284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1241

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1241-01	JPP-3.5-013025
Q1241-02	JPP-3.5-013025
Q1241-03	JPP-3.5-013025
Q1241-04	JPP-3.5-013025
Q1241-05	JPP-5.3-013025
Q1241-06	JPP-5.3-013025
Q1241-07	JPP-5.3-013025
Q1241-08	JPP-5.3-013025
Q1241-09	JPP-5.2-013025
Q1241-10	JPP-5.2-013025
Q1241-11	JPP-5.2-013025
Q1241-12	JPP-5.2-013025
Q1241-13	JPP-5.4-013025
Q1241-14	JPP-5.4-013025
Q1241-15	JPP-5.4-013025
Q1241-16	JPP-5.4-013025
Q1241-17	JPP-51.4-013025
Q1241-18	JPP-51.4-013025
Q1241-19	JPP-51.4-013025
Q1241-20	JPP-51.4-013025

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

Signature : _____

Date: 2/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

RU2 Engineering, LLC
Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Project # N/A
Chemtech Project # Q1241
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 01/30/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for JPP-5.2-013025 [2,4,6-Tribromophenol - 4% and 2-Fluorophenol - 12%], due to dirty and concentrated matrix as corrective action lab reanalyzed the sample but surrogate is failing therefore reported run is Final.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q1239-10MS} with File ID: BF141345.D recoveries met the requirements for all compounds except for 2-Chlorophenol[75%], Acenaphthylene[78%], Isophorone[75%] and Naphthalene[71%] due to matrix interference.

The MSD {Q1239-10MSD} with File ID: BF141346.D recoveries met the acceptable requirements except for Benzaldehyde[92%] due to matrix interference.

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The RPD for {Q1239-10MSD} with File ID: BF141346.D met criteria except for Benzo(k)fluoranthene[22%] due to difference in results of MS and MSD.

The Blank Spike for {PB166418BS} with File ID: BF141441.D met requirements for all samples except for Acetophenone[100%], Hexachlorocyclopentadiene[191%] but no positive hits in associated samples therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141336.D met the requirements except for 4-Nitrophenol and Pentachlorophenol but associated QC within limits therefore no corrective action taken.

The Continuous Calibration File ID BF141410.D met the requirements except for 4,6-Dinitro-2-methylphenol but no positive hit in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BF141531.D met the requirements except for Di-n-octyl phthalate but no positive hit in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples JPP-5.4-013025, JPP-51.4-013025 were initially diluted due to viscous and concentrated matrix.

Samples JPP-3.5-013025, JPP-5.4-013025 were diluted due to high concentrations.

E. Additional Comments:
For samples # JPP-3.5-013025, JPP-3.5-013025DL, JPP-5.4-013025 some compounds below Method detection limits, therefore it is not reported as Hit in Form-1.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

CHEMTECH PROJECT NUMBER: Q1241 MATRIX: Solid

METHOD: 8270E/3541

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141336.D met the requirements except for 4-Nitrophenol and Pentachlorophenol but associated QC within limits therefore no corrective action taken.

The Continuous Calibration File ID BF141410.D met the requirements except for 4,6-Dinitro-2-methylphenol but no positive hit in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BF141531.D met the requirements except for Di-n-octyl phthalate but no positive hit in associated sample therefore no corrective action taken.

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

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

(CONTINUED)

		NA	NO	YES
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for JPP-5.2-013025 [2,4,6-Tribromophenol - 4% and 2-Fluorophenol - 12%], due to dirty and concentrated matrix as corrective action lab reanalyzed the sample but surrogate is failing therefore reported run is Final.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The MS {Q1239-10MS} with File ID: BF141345.D recoveries met the requirements for all compounds except for 2-Chlorophenol[75%], Acenaphthylene[78%], Isophorone[75%] and Naphthalene[71%] due to matrix interference.			
	The MSD {Q1239-10MSD} with File ID: BF141346.D recoveries met the acceptable requirements except for Benzaldehyde[92%] due to matrix interference.			
	The Blank Spike for {PB166418BS} with File ID: BF141441.D met requirements for all samples except for Acetophenone[100%], Hexachlorocyclopentadiene[191%] but no positive hits in associated samples therefore no corrective action taken.			
	The RPD for {Q1239-10MSD} with File ID: BF141346.D met criteria except for Benzo(k)fluoranthene[22%] due to difference in results of MS and MSD.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Samples JPP-5.4-013025, JPP-51.4-013025 were initially diluted due to viscous and concentrated matrix.

Samples JPP-3.5-013025, JPP-5.4-013025 were diluted due to high concentrations.

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NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

(CONTINUED)

NA NO YES

For samples # JPP-3.5-013025 JPP-3.5-013025DL, JPP-5.4-013025 some compounds below Method detection limits, therefore it is not reported as Hit in Form-1.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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

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

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1241**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **02/14/2025**

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LAB CHRONICLE

OrderID:	Q1241	**OrderDate:**	1/30/2025 2:58:00 PM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1241-03	**JPP-3.5-013025**	**SOIL**			**01/30/25**			**01/30/25**
			SVOC-TCL BNA -20	8270E		01/31/25	02/07/25	
Q1241-03DL	**JPP-3.5-013025DL**	**SOIL**			**01/30/25**			**01/30/25**
			SVOC-TCL BNA -20	8270E		01/31/25	02/10/25	
Q1241-04	**JPP-3.5-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP BNA	8270E		02/03/25	02/04/25	
Q1241-07	**JPP-5.3-013025**	**SOIL**			**01/30/25**			**01/30/25**
			SVOC-TCL BNA -20	8270E		01/31/25	02/05/25	
Q1241-08	**JPP-5.3-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP BNA	8270E		02/03/25	02/04/25	
Q1241-11	**JPP-5.2-013025**	**SOIL**			**01/30/25**			**01/30/25**
			SVOC-TCL BNA -20	8270E		01/31/25	02/07/25	
Q1241-12	**JPP-5.2-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP BNA	8270E		02/03/25	02/04/25	
Q1241-15	**JPP-5.4-013025**	**SOIL**			**01/30/25**			**01/30/25**
			SVOC-TCL BNA -20	8270E		01/31/25	02/07/25	
Q1241-15DL	**JPP-5.4-013025DL**	**SOIL**			**01/30/25**			**01/30/25**
			SVOC-TCL BNA -20	8270E		01/31/25	02/10/25	
Q1241-16	**JPP-5.4-013025**	**TCLP**			**01/30/25**			**01/30/25**
			TCLP BNA	8270E		02/03/25	02/04/25	
Q1241-19	**JPP-51.4-013025**	**SOIL**			**01/30/25**			**01/30/25**
			SVOC-TCL BNA -20	8270E		01/31/25	02/07/25	
Q1241-20	**JPP-51.4-013025**	**TCLP**			**01/30/25**			**01/30/25**

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LAB CHRONICLE

TCLP BNA	8270E	02/03/25	02/04/25

Alliance TECHNICAL GROUP

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Hit Summary Sheet
SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**JPP-3.5-013025**								
Q1241-03	JPP-3.5-013025	SOIL	Naphthalene		380.000		100	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	2-Methylnaphthalene		190.000	J	100	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Acenaphthylene		130.000	J	110	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Acenaphthene		390.000		98.6	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Dibenzofuran		320.000		100	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Fluorene		520.000		100	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Phenanthrene		4,500.000	E	100	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Anthracene		1,200.000		100	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Carbazole		390.000		97.7	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Fluoranthene		5,400.000	E	99.4	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Pyrene		5,500.000	E	100	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzo(a)anthracene		3,400.000	E	98.2	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Chrysene		3,000.000		96.7	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzo(b)fluoranthene		3,400.000	E	98.6	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzo(k)fluoranthene		1,300.000		100	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzo(a)pyrene		2,900.000		110	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Indeno(1,2,3-cd)pyrene		1,400.000		95	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Dibenzo(a,h)anthracene		470.000		98.8	210	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzo(g,h,i)perylene		1,600.000		97.4	210	ug/Kg
			Total Svoc :		**36,390.00**				
Q1241-03	JPP-3.5-013025	SOIL	11H-Benzo[a]fluorene	*	96.500	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	4H-Cyclopenta[def]phenanthrene	*	290.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzene, [1-(2,4-cyclopentadien-1	*	150.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzo[b]naphtho[2,1-d]thiophene	*	92.800	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzo[e]pyrene	*	490.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Fluoranthene, 2-methyl-	*	250.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Naphthalene, 1,4-dimethyl-	*	130.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Naphthalene, 1,5-dimethyl-	*	94.100	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Naphthalene, 2,3,6-trimethyl-	*	120.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Naphthalene, 2,3-dimethyl-	*	170.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Naphthalene, 2-phenyl-	*	85.500	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Perylene	*	2,200.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Phenanthrene, 1-methyl-	*	130.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Phenanthrene, 2,5-dimethyl-	*	100.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Phenanthrene, 2-methyl-	*	220.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	Pyrene, 1-methyl-	*	180.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1241-03	JPP-3.5-013025	SOIL	Pyrene, 4-methyl-	*	150.000	J	0	0	ug/Kg
Q1241-03	JPP-3.5-013025	SOIL	1-Methylnaphthalene	*	160.000	J	100	210	ug/Kg
			Total Tics :		**5,428.90**				
			Total Concentration:		**41,818.90**				
Client ID :	**JPP-3.5-013025DL**								
Q1241-03DL	JPP-3.5-013025DL	SOIL	Fluorene		590.000	JD	520	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Phenanthrene		5,400.000	D	510	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Anthracene		1,400.000	D	510	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Fluoranthene		6,200.000	D	500	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Pyrene		4,800.000	D	500	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Benzo(a)anthracene		3,600.000	D	490	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Chrysene		3,200.000	D	480	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Benzo(b)fluoranthene		3,600.000	D	490	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Benzo(k)fluoranthene		1,800.000	D	500	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Benzo(a)pyrene		3,300.000	D	570	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Indeno(1,2,3-cd)pyrene		1,300.000	D	470	1000	ug/Kg
Q1241-03DL	JPP-3.5-013025DL	SOIL	Benzo(g,h,i)perylene		1,400.000	D	490	1000	ug/Kg
			Total Svoc :		**36,590.00**				
			Total Concentration:		**36,590.00**				
Client ID :	**JPP-5.3-013025**								
Q1241-07	JPP-5.3-013025	SOIL	Phenanthrene		650.000		95.5	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Anthracene		220.000		96	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Fluoranthene		1,500.000		92.9	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Pyrene		1,300.000		94.4	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Benzo(a)anthracene		790.000		91.8	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Chrysene		680.000		90.4	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J	100	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Benzo(b)fluoranthene		1,200.000		92.2	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Benzo(k)fluoranthene		390.000		93.9	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Benzo(a)pyrene		970.000		110	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Indeno(1,2,3-cd)pyrene		380.000		88.8	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Dibenzo(a,h)anthracene		120.000	J	92.3	190	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Benzo(g,h,i)perylene		430.000		91.1	190	ug/Kg
			Total Svoc :		**8,810.00**				
Q1241-07	JPP-5.3-013025	SOIL	Naphthalene, 2-phenyl-	*	130.000	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	n-Hexadecanoic acid	*	430.000	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Octadecanoic acid	*	80.000	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Phenanthrene, 2-methyl-	*	83.000	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	(S)-(+)-1,2-Propanediol	*	230.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1241-07	JPP-5.3-013025	SOIL	11H-Benzo[b]fluorene	*	77.300	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	1H-Indene, 2-phenyl-	*	92.900	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	120.000	AB	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	4H-Cyclopenta[def]phenanthrene	*	280.000	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Benzo[e]pyrene	*	790.000	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Benzophenone	*	220.000	J	0	0	ug/Kg
Q1241-07	JPP-5.3-013025	SOIL	Cyclopenta(def)phenanthrenone	*	98.200	J	0	0	ug/Kg
			Total Tics :		**2,631.40**				
			Total Concentration:		**11,441.40**				
Client ID :	**JPP-5.2-013025**								
Q1241-11	JPP-5.2-013025	SOIL	Naphthalene		110.000	J	93.1	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Acenaphthene		210.000		91.4	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Dibenzofuran		110.000	J	95.1	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Fluorene		160.000	J	96.4	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Phenanthrene		1,200.000		94.7	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Anthracene		350.000		95.1	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Fluoranthene		1,800.000		92.1	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Pyrene		1,800.000		93.5	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Benzo(a)anthracene		940.000		91	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Chrysene		830.000		89.6	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Bis(2-ethylhexyl)phthalate		130.000	J	100	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Benzo(b)fluoranthene		1,000.000		91.4	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Benzo(k)fluoranthene		430.000		93.1	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Benzo(a)pyrene		950.000		100	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Indeno(1,2,3-cd)pyrene		450.000		88	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Dibenzo(a,h)anthracene		130.000	J	91.5	190	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Benzo(g,h,i)perylene		510.000		90.3	190	ug/Kg
			Total Svoc :		**11,110.00**				
Q1241-11	JPP-5.2-013025	SOIL	(1S,4aS,4bS,7S,8aS,10aS)-7-Isopı	*	190.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	360.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	500.000	AB	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	180.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	4H-Cyclopenta[def]phenanthrene	*	480.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Benzophenone	*	240.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Decane, 1-iodo-	*	250.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Decane, 2,6,8-trimethyl-	*	200.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Naphtho[2,3-b]thiophene	*	270.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Nonadecane	*	380.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Octadecane	*	350.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Octadecane, 1-chloro-	*	220.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1241-11	JPP-5.2-013025	SOIL	Pentadecane	*	210.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Pentadecane, 2,6,10-trimethyl-	*	700.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Retene	*	610.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	s-Indacen-1(2H)-one, 3,5,6,7-tetra	*	1,200.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Tetradecane	*	370.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Tridecane	*	210.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Heneicosane	*	250.000	J	0	0	ug/Kg
Q1241-11	JPP-5.2-013025	SOIL	Hexadecane	*	300.000	J	0	0	ug/Kg
			Total Tics :		**7,470.00**				
			Total Concentration:		**18,580.00**				
Client ID :	**JPP-5.4-013025**								
Q1241-15	JPP-5.4-013025	SOIL	Acenaphthene		490.000		190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Dibenzofuran		220.000	J	190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Fluorene		400.000		200	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Phenanthrene		5,800.000		190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Anthracene		1,900.000		190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Fluoranthene		10,600.000	E	190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Pyrene		11,400.000	E	190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzo(a)anthracene		6,200.000	E	190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Chrysene		5,300.000		180	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzo(b)fluoranthene		6,500.000	E	190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzo(k)fluoranthene		3,400.000		190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzo(a)pyrene		6,400.000	E	210	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Indeno(1,2,3-cd)pyrene		2,900.000		180	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Dibenzo(a,h)anthracene		880.000		190	390	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzo(g,h,i)perylene		3,200.000		180	390	ug/Kg
			Total Svoc :		**65,590.00**				
Q1241-15	JPP-5.4-013025	SOIL	11H-Benzo[a]fluorene	*	400.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	11H-Benzo[b]fluorene	*	190.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	1-Isopropenylnaphthalene	*	160.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	4H-Cyclopenta[def]phenanthrene	*	450.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzo[b]naphtho[2,1-d]thiophene	*	160.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzo[c]phenanthrene	*	190.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzo[e]pyrene	*	1,500.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Benzophenone	*	470.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Dodecane	*	350.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Heptadecane, 9-octyl-	*	180.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Hexadecane	*	160.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Naphthalene, 2-phenyl-	*	170.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Perylene	*	5,800.000	J	0	0	ug/Kg

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

SDG No.: Q1241

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1241-15	JPP-5.4-013025	SOIL	Pyrene, 1-methyl-	*	270.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Pyrene, 2-methyl-	*	170.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Pyrene, 4-methyl-	*	300.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Phenanthrene, 1-methyl-	*	250.000	J	0	0	ug/Kg
Q1241-15	JPP-5.4-013025	SOIL	Phenanthrene, 2-methyl-	*	170.000	J	0	0	ug/Kg
			Total Tics :		**11,340.00**				
			Total Concentration:		**76,930.00**				
Client ID :	**JPP-5.4-013025DL**								
Q1241-15DL	JPP-5.4-013025DL	SOIL	Phenanthrene		9,000.000	D	970	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Anthracene		2,900.000	D	970	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Fluoranthene		17,800.000	D	940	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Pyrene		12,900.000	D	960	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Benzo(a)anthracene		8,900.000	D	930	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Chrysene		7,600.000	D	920	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Benzo(b)fluoranthene		10,700.000	D	940	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Benzo(k)fluoranthene		4,300.000	D	950	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Benzo(a)pyrene		9,500.000	D	1100	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Indeno(1,2,3-cd)pyrene		3,900.000	D	900	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Dibenzo(a,h)anthracene		1,100.000	JD	940	2000	ug/Kg
Q1241-15DL	JPP-5.4-013025DL	SOIL	Benzo(g,h,i)perylene		4,200.000	D	920	2000	ug/Kg
			Total Svoc :		**92,800.00**				
			Total Concentration:		**92,800.00**				
Client ID :	**JPP-51.4-013025**								
Q1241-19	JPP-51.4-013025	SOIL	Phenanthrene		1,400.000		180	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Anthracene		400.000		180	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Fluoranthene		2,400.000		180	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Pyrene		2,500.000		180	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Benzo(a)anthracene		1,600.000		170	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Chrysene		1,300.000		170	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Benzo(b)fluoranthene		1,700.000		170	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Benzo(k)fluoranthene		670.000		180	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Benzo(a)pyrene		1,400.000		200	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Indeno(1,2,3-cd)pyrene		630.000		170	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Dibenzo(a,h)anthracene		210.000	J	170	360	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Benzo(g,h,i)perylene		730.000		170	360	ug/Kg
			Total Svoc :		**14,940.00**				
Q1241-19	JPP-51.4-013025	SOIL	Anthracene, 2-methyl-	*	180.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Benzophenone	*	220.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	.alpha.-Pinene	*	430.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1241-19	JPP-51.4-013025	SOIL	11H-Benzo[b]fluorene	*	190.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	600.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	490.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	4H-Cyclopenta[def]phenanthrene	*	570.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Methyl dehydroabietate	*	200.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Phenanthrene, 1-methyl-	*	190.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Phenanthrene, 2,5-dimethyl-	*	160.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Pyrene, 1-methyl-	*	270.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Retene	*	300.000	J	0	0	ug/Kg
Q1241-19	JPP-51.4-013025	SOIL	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4	*	210.000	J	0	0	ug/Kg
			Total Tics :		**4,010.00**				
			Total Concentration:		**18,950.00**				

QC
SUMMARY

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

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB166418BL	PB166418BL	2-Fluorophenol	150	134	89		18	112
		Phenol-d6	150	129	86		15	107
		Nitrobenzene-d5	100	96.1	96		18	107
		2-Fluorobiphenyl	100	96.5	97		20	109
		2,4,6-Tribromophenol	150	147	98		10	116
		Terphenyl-d14	100	94.3	94		10	105
PB166418BS	PB166418BS	2-Fluorophenol	150	139	92		18	112
		Phenol-d6	150	133	89		15	107
		Nitrobenzene-d5	100	97.1	97		18	107
		2-Fluorobiphenyl	100	98.9	99		20	109
		2,4,6-Tribromophenol	150	160	106		10	116
		Terphenyl-d14	100	96.1	96		10	105
Q1239-10MS	357MS	2-Fluorophenol	150	80.0	53		18	112
		Phenol-d6	150	78.3	52		15	107
		Nitrobenzene-d5	100	54.3	54		18	107
		2-Fluorobiphenyl	100	53.2	53		20	109
		2,4,6-Tribromophenol	150	80.6	54		10	116
		Terphenyl-d14	100	46.0	46		10	105
Q1239-10MSD	357MSD	2-Fluorophenol	150	84.0	56		18	112
		Phenol-d6	150	82.0	55		15	107
		Nitrobenzene-d5	100	57.9	58		18	107
		2-Fluorobiphenyl	100	55.5	55		20	109
		2,4,6-Tribromophenol	150	84.1	56		10	116
		Terphenyl-d14	100	49.7	50		10	105
Q1241-03	JPP-3.5-013025	2-Fluorophenol	150	90.2	60		18	112
		Phenol-d6	150	89.1	59		15	107
		Nitrobenzene-d5	100	65.0	65		18	107
		2-Fluorobiphenyl	100	57.3	57		20	109
		2,4,6-Tribromophenol	150	79.0	53		10	116
		Terphenyl-d14	100	54.5	55		10	105
Q1241-03DL	JPP-3.5-013025DL	2-Fluorophenol	150	101	67		18	112
		Phenol-d6	150	100	67		15	107
		Nitrobenzene-d5	100	67.9	68		18	107
		2-Fluorobiphenyl	100	64.9	65		20	109
		2,4,6-Tribromophenol	150	78.9	53		10	116
		Terphenyl-d14	100	44.5	44		10	105
Q1241-07	JPP-5.3-013025	2-Fluorophenol	150	77.0	51		18	112
		Phenol-d6	150	86.8	58		15	107
		Nitrobenzene-d5	100	64.3	64		18	107
		2-Fluorobiphenyl	100	60.7	61		20	109
		2,4,6-Tribromophenol	150	63.1	42		10	116
		Terphenyl-d14	100	48.7	49		10	105
Q1241-11	JPP-5.2-013025	2-Fluorophenol	150	17.5	12	*	18	112
		Phenol-d6	150	74.0	49		15	107
		Nitrobenzene-d5	100	62.2	62		18	107
		2-Fluorobiphenyl	100	68.7	69		20	109
		2,4,6-Tribromophenol	150	5.35	4	*	10	116
		Terphenyl-d14	100	66.4	66		10	105
Q1241-15	JPP-5.4-013025	2-Fluorophenol	150	87.8	59		18	112
		Phenol-d6	150	87.7	58		15	107
		Nitrobenzene-d5	100	58.4	58		18	107

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Surrogate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q1241-15	JPP-5.4-013025	2-Fluorobiphenyl	100	65.2	65		20	109
		2,4,6-Tribromophenol	150	68.6	46		10	116
		Terphenyl-d14	100	64.6	65		10	105
Q1241-15DL	JPP-5.4-013025DL	2-Fluorophenol	150	122	81		18	112
		Phenol-d6	150	124	83		15	107
		Nitrobenzene-d5	100	83.8	84		18	107
		2-Fluorobiphenyl	100	92.2	92		20	109
		2,4,6-Tribromophenol	150	86.3	58		10	116
		Terphenyl-d14	100	64.5	64		10	105
Q1241-19	JPP-51.4-013025	2-Fluorophenol	150	81.4	54		18	112
		Phenol-d6	150	77.7	52		15	107
		Nitrobenzene-d5	100	52.9	53		18	107
		2-Fluorobiphenyl	100	62.9	63		20	109
		2,4,6-Tribromophenol	150	68.3	46		10	116
		Terphenyl-d14	100	67.7	68		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1239-10MS		**Client Sample ID: 357MS**						**DataFile:**	**BF141345.D**		
Benzaldehyde	1200	0	1000	ug/Kg	83				10	86	
Phenol	1200	0	880	ug/Kg	73				67	126	
bis(2-Chloroethyl)ether	1200	0	900	ug/Kg	75				54	125	
2-Chlorophenol	1200	0	900	ug/Kg	75	*			79	107	
2-Methylphenol	1200	0	860	ug/Kg	72				66	122	
2,2-oxybis(1-Chloropropane)	1200	0	880	ug/Kg	73				65	110	
Acetophenone	1200	0	990	ug/Kg	83				75	111	
3+4-Methylphenols	1200	0	920	ug/Kg	77				66	104	
N-Nitroso-di-n-propylamine	1200	0	900	ug/Kg	75				59	119	
Hexachloroethane	1200	0	860	ug/Kg	72				65	117	
Nitrobenzene	1200	0	840	ug/Kg	70				70	119	
Isophorone	1200	0	900	ug/Kg	75	*			76	122	
2-Nitrophenol	1200	0	900	ug/Kg	75				54	145	
2,4-Dimethylphenol	1200	0	1100	ug/Kg	92				44	135	
bis(2-Chloroethoxy)methane	1200	0	880	ug/Kg	73				68	112	
2,4-Dichlorophenol	1200	0	900	ug/Kg	75				72	118	
Naphthalene	1200	0	850	ug/Kg	71	*			72	110	
4-Chloroaniline	1200	0	210	ug/Kg	18				10	91	
Hexachlorobutadiene	1200	0	840	ug/Kg	70				66	114	
Caprolactam	1200	0	990	ug/Kg	83				51	134	
4-Chloro-3-methylphenol	1200	0	870	ug/Kg	73				57	132	
2-Methylnaphthalene	1200	0	840	ug/Kg	70				59	123	
Hexachlorocyclopentadiene	2400	0	3200	ug/Kg	133				10	175	
2,4,6-Trichlorophenol	1200	0	920	ug/Kg	77				72	117	
2,4,5-Trichlorophenol	1200	0	890	ug/Kg	74				72	117	
1,1-Biphenyl	1200	0	990	ug/Kg	83				75	113	
2-Chloronaphthalene	1200	0	850	ug/Kg	71				67	118	
2-Nitroaniline	1200	0	900	ug/Kg	75				69	127	
Dimethylphthalate	1200	0	910	ug/Kg	76				70	113	
Acenaphthylene	1200	0	940	ug/Kg	78	*			79	118	
2,6-Dinitrotoluene	1200	0	860	ug/Kg	72				70	125	
3-Nitroaniline	1200	0	530	ug/Kg	44				30	99	
Acenaphthene	1200	0	980	ug/Kg	82				70	121	
2,4-Dinitrophenol	2400	0	2200	ug/Kg	92				10	155	
4-Nitrophenol	2400	0	1600	ug/Kg	67				45	133	
Dibenzofuran	1200	0	870	ug/Kg	73				72	110	
2,4-Dinitrotoluene	1200	0	880	ug/Kg	73				55	128	
Diethylphthalate	1200	0	900	ug/Kg	75				70	112	
4-Chlorophenyl-phenylether	1200	0	850	ug/Kg	71				71	108	
Fluorene	1200	0	850	ug/Kg	71				68	116	
4-Nitroaniline	1200	0	800	ug/Kg	67				55	120	
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200	0	990	ug/Kg	83				73	118	
4-Bromophenyl-phenylether	1200	0	970	ug/Kg	81				65	121	
Hexachlorobenzene	1200	0	940	ug/Kg	78				67	118	
Atrazine	1200	0	1000	ug/Kg	83				79	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2400	0	1800	ug/Kg	75				47	128	
Phenanthrene	1200	0	940	ug/Kg	78				52	128	
Anthracene	1200	0	950	ug/Kg	79				62	124	
Carbazole	1200	0	850	ug/Kg	71				59	119	
Di-n-butylphthalate	1200	0	960	ug/Kg	80				69	118	
Fluoranthene	1200	0	840	ug/Kg	70				44	125	
Pyrene	1200	0	740	ug/Kg	62				26	142	
Butylbenzylphthalate	1200	0	860	ug/Kg	72				64	126	
3,3-Dichlorobenzidine	1200	0	670	ug/Kg	56				33	116	
Benzo(a)anthracene	1200	0	860	ug/Kg	72				71	114	
Chrysene	1200	0	910	ug/Kg	76				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	890	ug/Kg	74				42	169	
Di-n-octyl phthalate	1200	0	1000	ug/Kg	83				23	175	
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83				67	121	
Benzo(k)fluoranthene	1200	0	890	ug/Kg	74				57	134	
Benzo(a)pyrene	1200	0	990	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	720	ug/Kg	60				40	129	
Dibenz(a,h)anthracene	1200	0	730	ug/Kg	61				43	123	
Benzo(g,h,i)perylene	1200	0	640	ug/Kg	53				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	960	ug/Kg	80				69	124	
1,4-Dioxane	1200	0	900	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	930	ug/Kg	78				69	112	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1239-10MSD		**Client Sample ID: 357MSD**						**DataFile: BF141346.D**			
Benzaldehyde	1200	0	1100	ug/Kg	92	*	10		10	86	20
Phenol	1200	0	920	ug/Kg	77		5		67	126	20
bis(2-Chloroethyl)ether	1200	0	940	ug/Kg	78		4		54	125	20
2-Chlorophenol	1200	0	950	ug/Kg	79		5		79	107	20
2-Methylphenol	1200	0	900	ug/Kg	75		4		66	122	20
2,2-oxybis(1-Chloropropane)	1200	0	920	ug/Kg	77		5		65	110	20
Acetophenone	1200	0	1100	ug/Kg	92		10		75	111	20
3+4-Methylphenols	1200	0	970	ug/Kg	81		5		66	104	20
N-Nitroso-di-n-propylamine	1200	0	940	ug/Kg	78		4		59	119	20
Hexachloroethane	1200	0	910	ug/Kg	76		5		65	117	20
Nitrobenzene	1200	0	910	ug/Kg	76		8		70	119	20
Isophorone	1200	0	960	ug/Kg	80		6		76	122	20
2-Nitrophenol	1200	0	970	ug/Kg	81		8		54	145	20
2,4-Dimethylphenol	1200	0	1200	ug/Kg	100		8		44	135	20
bis(2-Chloroethoxy)methane	1200	0	950	ug/Kg	79		8		68	112	20
2,4-Dichlorophenol	1200	0	950	ug/Kg	79		5		72	118	20
Naphthalene	1200	0	900	ug/Kg	75		5		72	110	20
4-Chloroaniline	1200	0	240	ug/Kg	20		11		10	91	20
Hexachlorobutadiene	1200	0	890	ug/Kg	74		6		66	114	20
Caprolactam	1200	0	1100	ug/Kg	92		10		51	134	20
4-Chloro-3-methylphenol	1200	0	930	ug/Kg	78		7		57	132	20
2-Methylnaphthalene	1200	0	890	ug/Kg	74		6		59	123	20
Hexachlorocyclopentadiene	2400	0	3400	ug/Kg	142		7		10	175	20
2,4,6-Trichlorophenol	1200	0	970	ug/Kg	81		5		72	117	20
2,4,5-Trichlorophenol	1200	0	950	ug/Kg	79		7		72	117	20
1,1-Biphenyl	1200	0	1000	ug/Kg	83		0		75	113	20
2-Chloronaphthalene	1200	0	900	ug/Kg	75		5		67	118	20
2-Nitroaniline	1200	0	950	ug/Kg	79		5		69	127	20
Dimethylphthalate	1200	0	970	ug/Kg	81		6		70	113	20
Acenaphthylene	1200	0	990	ug/Kg	83		6		79	118	20
2,6-Dinitrotoluene	1200	0	910	ug/Kg	76		5		70	125	20
3-Nitroaniline	1200	0	550	ug/Kg	46		4		30	99	20
Acenaphthene	1200	0	1000	ug/Kg	83		1		70	121	20
2,4-Dinitrophenol	2400	0	2300	ug/Kg	96		4		10	155	20
4-Nitrophenol	2400	0	1700	ug/Kg	71		6		45	133	20
Dibenzofuran	1200	0	920	ug/Kg	77		5		72	110	20
2,4-Dinitrotoluene	1200	0	930	ug/Kg	78		7		55	128	20
Diethylphthalate	1200	0	950	ug/Kg	79		5		70	112	20
4-Chlorophenyl-phenylether	1200	0	900	ug/Kg	75		5		71	108	20
Fluorene	1200	0	900	ug/Kg	75		5		68	116	20
4-Nitroaniline	1200	0	870	ug/Kg	73		9		55	120	20
4,6-Dinitro-2-methylphenol	1200	0	1200	ug/Kg	100		8		10	160	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		10		73	118	20
4-Bromophenyl-phenylether	1200	0	1000	ug/Kg	83		2		65	121	20
Hexachlorobenzene	1200	0	990	ug/Kg	83		6		67	118	20
Atrazine	1200	0	1100	ug/Kg	92		10		79	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2400	0	2000	ug/Kg	83		10		47	128	20
Phenanthrene	1200	0	1000	ug/Kg	83		6		52	128	20
Anthracene	1200	0	1000	ug/Kg	83		5		62	124	20
Carbazole	1200	0	920	ug/Kg	77		8		59	119	20
Di-n-butylphthalate	1200	0	1000	ug/Kg	83		4		69	118	20
Fluoranthene	1200	0	920	ug/Kg	77		10		44	125	20
Pyrene	1200	0	810	ug/Kg	68		9		26	142	20
Butylbenzylphthalate	1200	0	930	ug/Kg	78		8		64	126	20
3,3-Dichlorobenzidine	1200	0	750	ug/Kg	63		12		33	116	20
Benzo(a)anthracene	1200	0	930	ug/Kg	78		8		71	114	20
Chrysene	1200	0	980	ug/Kg	82		8		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	970	ug/Kg	81		9		42	169	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92		10		23	175	20
Benzo(b)fluoranthene	1200	0	990	ug/Kg	83		0		67	121	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		22	*	57	134	20
Benzo(a)pyrene	1200	0	1100	ug/Kg	92		10		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	770	ug/Kg	64		6		40	129	20
Dibenz(a,h)anthracene	1200	0	780	ug/Kg	65		6		43	123	20
Benzo(g,h,i)perylene	1200	0	690	ug/Kg	58		9		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1000	ug/Kg	83		4		69	124	20
1,4-Dioxane	1200	0	950	ug/Kg	79		5		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83		6		69	112	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: 8270E **DataFile:** BF141441.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166418BS	Benzaldehyde	1700	1700	ug/Kg	100				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1700	ug/Kg	100		*		66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				46	141	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	580	ug/Kg	34				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	6300	ug/Kg	191		*		45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				37	128	
	4-Nitrophenol	3300	3200	ug/Kg	97				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1241

Client: RU2 Engineering, LLC

Analytical Method: 8270E **DataFile:** BF141441.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166418BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	710	ug/Kg	42				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166418BL

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: BF141440.D Lab Sample ID: PB166418BL

Instrument ID: BNA_F Date Extracted: 01/31/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/05/2025

Level: (low/med) LOW Time Analyzed: 12:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166418BS	PB166418BS	BF141441.D	02/05/2025
JPP-3.5-013025	Q1241-03	BF141518.D	02/07/2025
JPP-5.2-013025	Q1241-11	BF141521.D	02/07/2025
JPP-51.4-013025	Q1241-19	BF141524.D	02/07/2025
JPP-5.4-013025	Q1241-15	BF141525.D	02/07/2025
357MS	Q1239-10MS	BF141345.D	01/31/2025
357MSD	Q1239-10MSD	BF141346.D	01/31/2025
JPP-5.3-013025	Q1241-07	BF141433.D	02/05/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: BF141289.D DFTPP Injection Date: 01/29/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: BF141335.D DFTPP Injection Date: 01/31/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.6 (19.7) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141336.D	01/31/2025	17:19
357MS	Q1239-10MS	BF141345.D	01/31/2025	21:23
357MSD	Q1239-10MSD	BF141346.D	01/31/2025	21:50

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: BF141409.D DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.1 (18.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141410.D	02/04/2025	15:58
JPP-5.3-013025	Q1241-07	BF141433.D	02/05/2025	02:07

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: BF141434.D DFTPP Injection Date: 02/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.7
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	48.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.5 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141435.D	02/05/2025	10:02
PB166418BL	PB166418BL	BF141440.D	02/05/2025	12:13
PB166418BS	PB166418BS	BF141441.D	02/05/2025	12:39

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: BF141471.D DFTPP Injection Date: 02/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (18.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141472.D	02/06/2025	11:07
SSTDICC005	SSTDICC005	BF141473.D	02/06/2025	11:34
SSTDICC010	SSTDICC010	BF141474.D	02/06/2025	12:00
SSTDICC020	SSTDICC020	BF141475.D	02/06/2025	12:26
SSTDICCC040	SSTDICCC040	BF141476.D	02/06/2025	12:55
SSTDICC050	SSTDICC050	BF141477.D	02/06/2025	13:21
SSTDICC060	SSTDICC060	BF141478.D	02/06/2025	13:47
SSTDICC080	SSTDICC080	BF141479.D	02/06/2025	14:14

Raw Data: **BF141505.D**

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: BF141505.D DFTPP Injection Date: 02/07/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.3 (18.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141506.D	02/07/2025	14:33
JPP-3.5-013025	Q1241-03	BF141518.D	02/07/2025	19:54
JPP-5.2-013025	Q1241-11	BF141521.D	02/07/2025	21:13
JPP-51.4-013025	Q1241-19	BF141524.D	02/07/2025	22:33
JPP-5.4-013025	Q1241-15	BF141525.D	02/07/2025	23:00

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1241 SDG NO.: Q1241

Lab File ID: BF141530.D DFTPP Injection Date: 02/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.4 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141531.D	02/10/2025	11:34
JPP-3.5-013025DL	Q1241-03DL	BF141546.D	02/10/2025	20:19
JPP-5.4-013025DL	Q1241-15DL	BF141549.D	02/10/2025	21:38

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	140033	6.798	558386	8.08	299701	9.84
	UPPER LIMIT	280066	7.298	1116770	8.581	599402	10.339
	LOWER LIMIT	70016.5	6.298	279193	7.581	149851	9.339
	EPA SAMPLE NO.						
01	357MS	151192	6.80	601644	8.08	313664	9.84
02	357MSD	149445	6.80	587795	8.08	309142	9.84

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	493954	11.322	281629	13.968	286623	15.433
	UPPER LIMIT	987908	11.822	563258	14.468	573246	15.933
	LOWER LIMIT	246977	10.822	140815	13.468	143312	14.933
	EPA SAMPLE NO.						
01	357MS	473142	11.32	293043	13.97	307605	15.43
02	357MSD	457150	11.32	288493	13.97	294341	15.42

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	89972	6.792	349697	8.08	187729	9.83
	UPPER LIMIT	179944	7.292	699394	8.575	375458	10.328
	LOWER LIMIT	44986	6.292	174849	7.575	93864.5	9.328
	EPA SAMPLE NO.						
01	JPP-5.3-013025	80166	6.79	313710	8.08	169555	9.83

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	325046	11.316	235785	13.963	203742	15.421
	UPPER LIMIT	650092	11.816	471570	14.463	407484	15.921
	LOWER LIMIT	162523	10.816	117893	13.463	101871	14.921
	EPA SAMPLE NO.						
01	JPP-5.3-013025	249652	11.32	170048	13.96	132625	15.42

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	78610	6.792	301871	8.08	162758	9.83
	UPPER LIMIT	157220	7.292	603742	8.575	325516	10.328
	LOWER LIMIT	39305	6.292	150936	7.575	81379	9.328
	EPA SAMPLE NO.						
01	PB166418BL	76450	6.79	302478	8.07	163001	9.83
02	PB166418BS	69377	6.79	275008	8.08	148846	9.83

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	271503	11.316	168458	13.963	170248	15.427
	UPPER LIMIT	543006	11.816	336916	14.463	340496	15.927
	LOWER LIMIT	135752	10.816	84229	13.463	85124	14.927
	EPA SAMPLE NO.						
01	PB166418BL	280778	11.32	198135	13.96	160441	15.43
02	PB166418BS	260150	11.32	177509	13.96	152303	15.43

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/07/2025

Lab File ID: BF141506.D Time Analyzed: 14:33

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	91880	6.787	360290	8.08	198348	9.83
	UPPER LIMIT	183760	7.287	720580	8.575	396696	10.328
	LOWER LIMIT	45940	6.287	180145	7.575	99174	9.328
	EPA SAMPLE NO.						
01	JPP-3.5-013025	82982	6.79	313039	8.08	154685	9.83
02	JPP-5.2-013025	79798	6.79	308399	8.08	141432	9.83
03	JPP-5.4-013025	88460	6.79	334845	8.08	160965	9.83
04	JPP-51.4-013025	86637	6.79	320633	8.08	156448	9.83

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/07/2025

Lab File ID: BF141506.D Time Analyzed: 14:33

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	340922	11.316	238177	13.957	192868	15.416
	UPPER LIMIT	681844	11.816	476354	14.457	385736	15.916
	LOWER LIMIT	170461	10.816	119089	13.457	96434	14.916
	EPA SAMPLE NO.						
01	JPP-3.5-013025	230713	11.32	145185	13.97	116043	15.43
02	JPP-5.2-013025	218291	11.32	140468	13.96	106816	15.42
03	JPP-5.4-013025	239283	11.32	139382	13.97	114069	15.45
04	JPP-51.4-013025	243767	11.32	144012	13.97	115869	15.44

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2025

Lab File ID: BF141531.D Time Analyzed: 11:34

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	91504	6.792	356056	8.08	192109	9.83
	UPPER LIMIT	183008	7.292	712112	8.575	384218	10.327
	LOWER LIMIT	45752	6.292	178028	7.575	96054.5	9.327
	EPA SAMPLE NO.						
01	JPP-3.5-013025DL	76076	6.79	302314	8.07	158827	9.82
02	JPP-5.4-013025DL	77702	6.79	310551	8.07	156153	9.82

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

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

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

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

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG NO.: Q1241

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/10/2025

Lab File ID: BF141531.D Time Analyzed: 11:34

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	313129	11.316	193608	13.963	177316	15.439
	UPPER LIMIT	626258	11.816	387216	14.463	354632	15.939
	LOWER LIMIT	156565	10.816	96804	13.463	88658	14.939
	EPA SAMPLE NO.						
01	JPP-3.5-013025DL	223216	11.31	183040	13.95	164548	15.40
02	JPP-5.4-013025DL	212674	11.31	189599	13.95	157979	15.41

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

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

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

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **BF141518.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141518.D	1	01/31/25 10:20	02/07/25 19:54	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	400	U	220	400	ug/Kg
108-95-2	Phenol	210	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	100	210	ug/Kg
95-57-8	2-Chlorophenol	210	U	100	210	ug/Kg
95-48-7	2-Methylphenol	210	U	98.0	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	110	210	ug/Kg
98-86-2	Acetophenone	210	UQ	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	400	U	97.1	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	97.3	U	49.0	97.3	ug/Kg
67-72-1	Hexachloroethane	210	U	100	210	ug/Kg
98-95-3	Nitrobenzene	210	U	110	210	ug/Kg
78-59-1	Isophorone	210	U	100	210	ug/Kg
88-75-5	2-Nitrophenol	210	U	110	210	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	210	U	100	210	ug/Kg
120-83-2	2,4-Dichlorophenol	210	U	91.8	210	ug/Kg
91-20-3	Naphthalene	380		100	210	ug/Kg
106-47-8	4-Chloroaniline	210	U	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	210	U	100	210	ug/Kg
105-60-2	Caprolactam	400	U	110	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	210	U	94.3	210	ug/Kg
91-57-6	2-Methylnaphthalene	190	J	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	400	UQ	190	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	210	U	86.8	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	90.0	210	ug/Kg
92-52-4	1,1-Biphenyl	210	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	210	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	210	U	99.4	210	ug/Kg

Raw Data: **BF141518.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141518.D	1	01/31/25 10:20	02/07/25 19:54	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	J	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	210	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	210	U	110	210	ug/Kg
83-32-9	Acenaphthene	390		98.6	210	ug/Kg
51-28-5	2,4-Dinitrophenol	400	U	300	400	ug/Kg
100-02-7	4-Nitrophenol	400	U	140	400	ug/Kg
132-64-9	Dibenzofuran	320		100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	U	100	210	ug/Kg
84-66-2	Diethylphthalate	210	U	97.4	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	100	210	ug/Kg
86-73-7	Fluorene	520		100	210	ug/Kg
100-01-6	4-Nitroaniline	210	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	140	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	210	U	99.2	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	210	U	96.0	210	ug/Kg
118-74-1	Hexachlorobenzene	210	U	100	210	ug/Kg
1912-24-9	Atrazine	210	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	400	U	94.0	400	ug/Kg
85-01-8	Phenanthrene	4500	E	100	210	ug/Kg
120-12-7	Anthracene	1200		100	210	ug/Kg
86-74-8	Carbazole	390		97.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	210	U	100	210	ug/Kg
206-44-0	Fluoranthene	5400	E	99.4	210	ug/Kg
129-00-0	Pyrene	5500	E	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	400	U	120	400	ug/Kg
56-55-3	Benzo(a)anthracene	3400	E	98.2	210	ug/Kg
218-01-9	Chrysene	3000		96.7	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	130	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	3400	E	98.6	210	ug/Kg

Raw Data: **BF141518.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141518.D	1	01/31/25 10:20	02/07/25 19:54	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	2900		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		95.0	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	470		98.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		97.4	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	210	U	130	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	90.9	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.2		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	89.1		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.0		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.3		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.0		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	54.5		10 - 105	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83000	6.792			
1146-65-2	Naphthalene-d8	313000	8.075			
15067-26-2	Acenaphthene-d10	155000	9.827			
1517-22-2	Phenanthrene-d10	231000	11.316			
1719-03-5	Chrysene-d12	145000	13.968			
1520-96-3	Perylene-d12	116000	15.427			
TENTATIVE IDENTIFIED COMPOUNDS						
90-12-0	1-Methylnaphthalene	160	J		8.88	ug/Kg
000571-58-4	Naphthalene, 1,4-dimethyl-	130	J		9.41	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	170	J		9.49	ug/Kg
000571-61-9	Naphthalene, 1,5-dimethyl-	94.1	J		9.60	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	120	J		10.2	ug/Kg
002320-32-3	Benzene, [1-(2,4-cyclopentadien-1-	150	J		10.4	ug/Kg
000119-61-9	Benzophenone	320	J		10.5	ug/Kg

Raw Data: **BF141518.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141518.D	1	01/31/25 10:20	02/07/25 19:54	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000832-69-9	Phenanthrene, 1-methyl-	130	J		11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	220	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	290	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	85.5	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	100	J		12.4	ug/Kg
002381-21-7	Pyrene, 1-methyl-	180	J		13.0	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	250	J		13.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	96.5	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	150	J		13.2	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	92.8	J		13.7	ug/Kg
000192-97-2	Benzo[e]pyrene	490	J		15.1	ug/Kg
000198-55-0	Perylene	2200	J		15.3	ug/Kg

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

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

Sample Results: **BF141518.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 07 22:26:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	82982	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	313039	20.000	ng		0.00
39) Acenaphthene-d10	9.827	164	154685	20.000	ng		0.00
64) Phenanthrene-d10	11.316	188	230713	20.000	ng		0.00
76) Chrysene-d12	13.968	240	145185	20.000	ng		0.00
86) Perylene-d12	15.427	264	116043	20.000	ng		# 0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	477647	90.240	ng		0.00
7) Phenol-d6	6.434	99	595887	89.071	ng		0.00
23) Nitrobenzene-d5	7.351	82	390011	64.983	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	122782	79.016	ng		0.00
45) 2-Fluorobiphenyl	9.145	172	575557	57.325	ng		0.00
79) Terphenyl-d14	12.904	244	468984	54.532	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.092	128	153293	9.407	ng		99
37) 2-Methylnaphthalene	8.786	142	48965	4.618	ng		100
38) 1-Methylnaphthalene	8.880	142	39641	3.860	ng		99
49) Acenaphthylene	9.686	152	43315	3.284	ng		97
52) Acenaphthene	9.857	154	85756	9.671	ng		99
55) Dibenzofuran	10.033	168	103075	7.919	ng		99
58) Fluorene	10.374	166	129808	12.898	ng		98
71) Phenanthrene	11.345	178	1424600	112.176	ng		100
72) Anthracene	11.392	178	388759	30.452	ng		99
73) Carbazole	11.551	167	110467	9.617	ng		99
75) Fluoranthene	12.539	202	1785579	132.617	ng		99
78) Pyrene	12.768	202	1667025	134.882	ng		97
81) Benzo(a)anthracene	13.957	228	805622	83.476	ng		96
83) Chrysene	13.992	228	656570	73.679	ng		97
84) Bis(2-ethylhexyl)phtha...	13.945	149	11192	2.318	ng	#	91
87) Indeno(1,2,3-cd)pyrene	16.880	276	244912	34.157	ng		95
88) Benzo(b)fluoranthene	15.015	252	647460m	83.096	ng		
89) Benzo(k)fluoranthene	15.027	252	214416m	32.226	ng		
90) Benzo(a)pyrene	15.374	252	457027	72.489	ng		96
91) Dibenzo(a,h)anthracene	16.886	278	67072	11.544	ng	#	81
92) Benzo(g,h,i)perylene	17.321	276	235595	38.750	ng		98

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

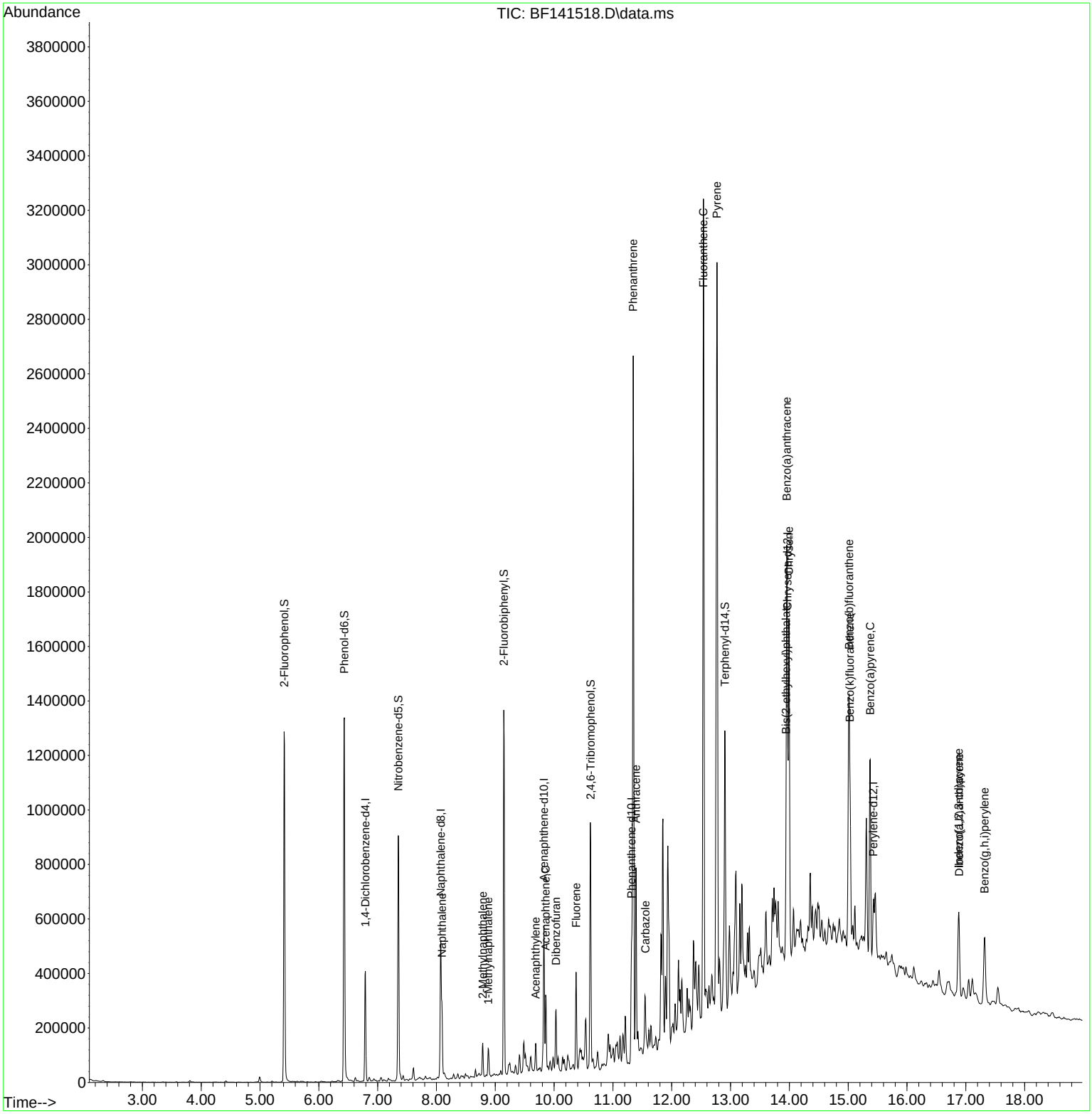
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

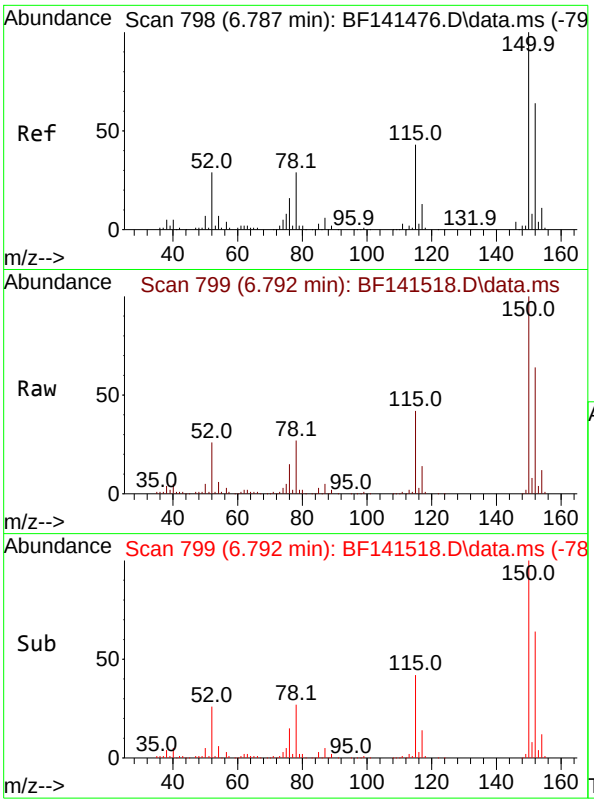
Quant Time: Feb 07 22:26:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

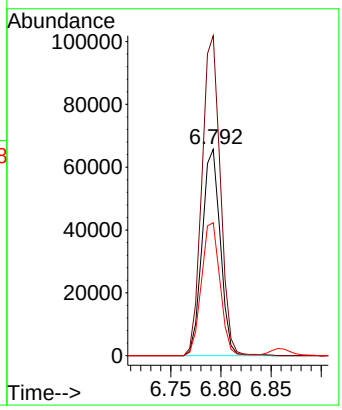




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:152 Resp: 8298

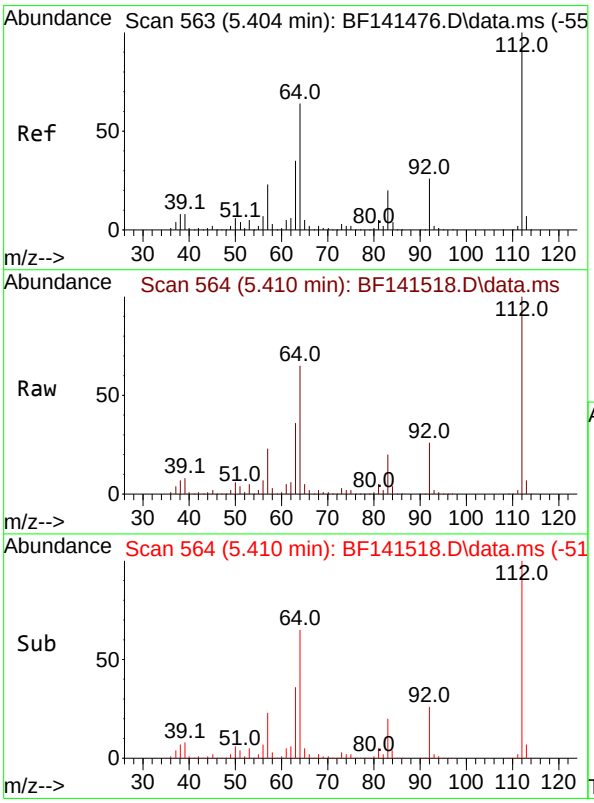
Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.0	187.4
115	64.4	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations
APPROVED

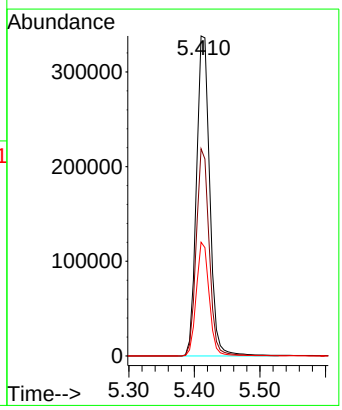
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

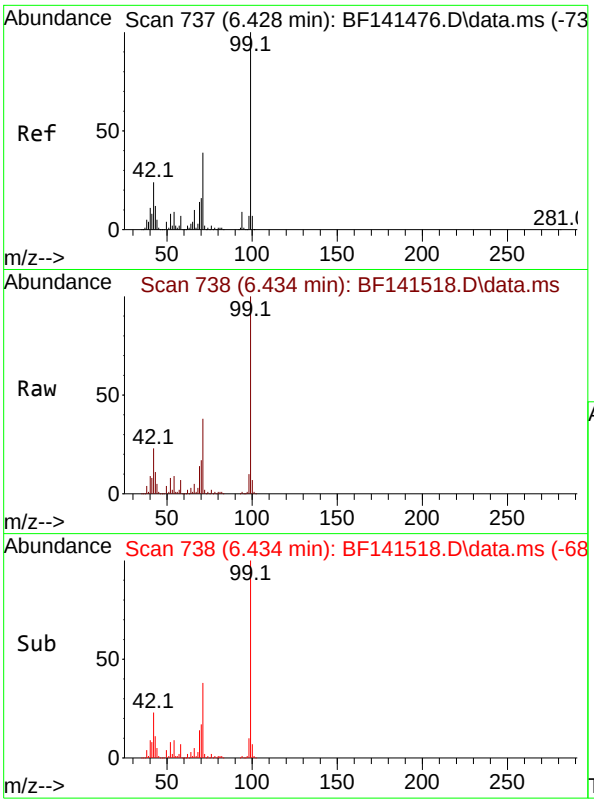


#5
2-Fluorophenol
Concen: 90.240 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:112 Resp: 477647

Ion	Ratio	Lower	Upper
112	100		
64	64.7	51.1	76.7
63	35.6	28.4	42.6

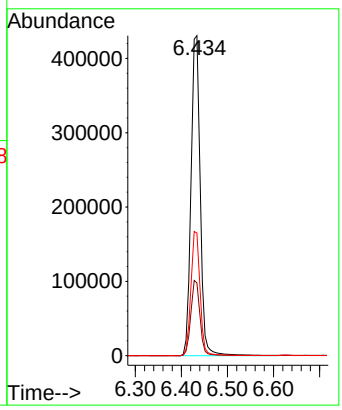




#7
Phenol-d6
Concen: 89.071 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 99 Resp: 59588

Ion	Ratio	Lower	Upper
99	100		
42	22.8	19.1	28.7
71	38.3	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

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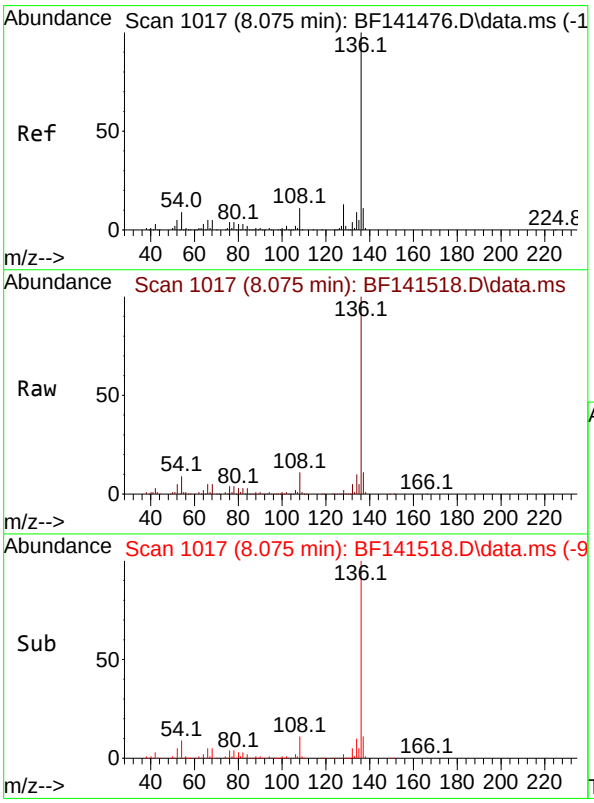
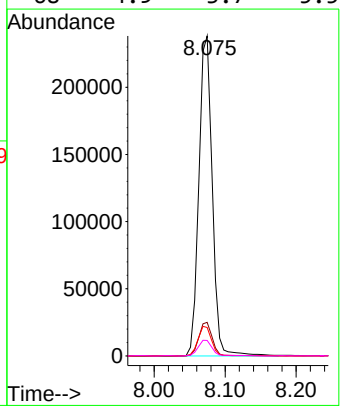
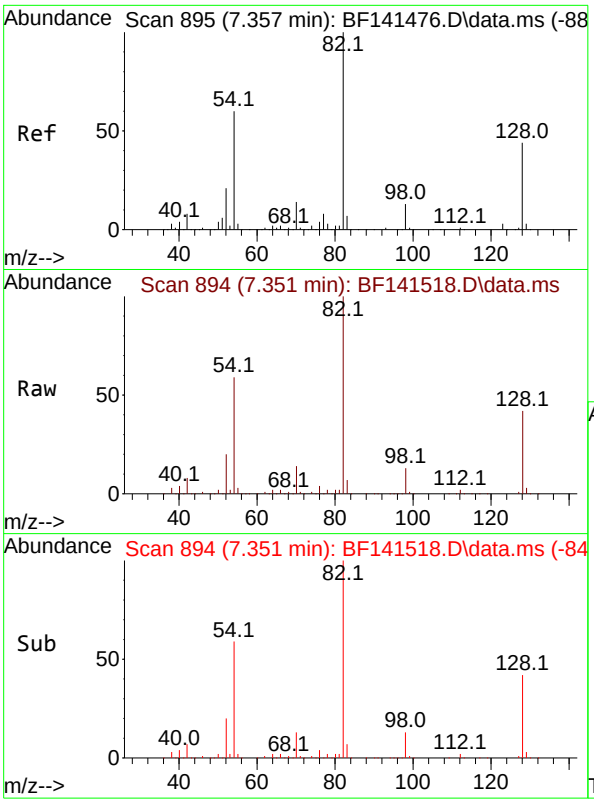


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:136 Resp: 313039

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.9	7.2	10.8
68	4.9	3.7	5.5





#23
Nitrobenzene-d5
Concen: 64.983 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion: 82 Resp: 39001

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	59.2	48.2	72.4

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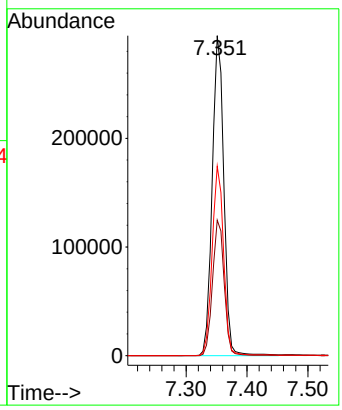
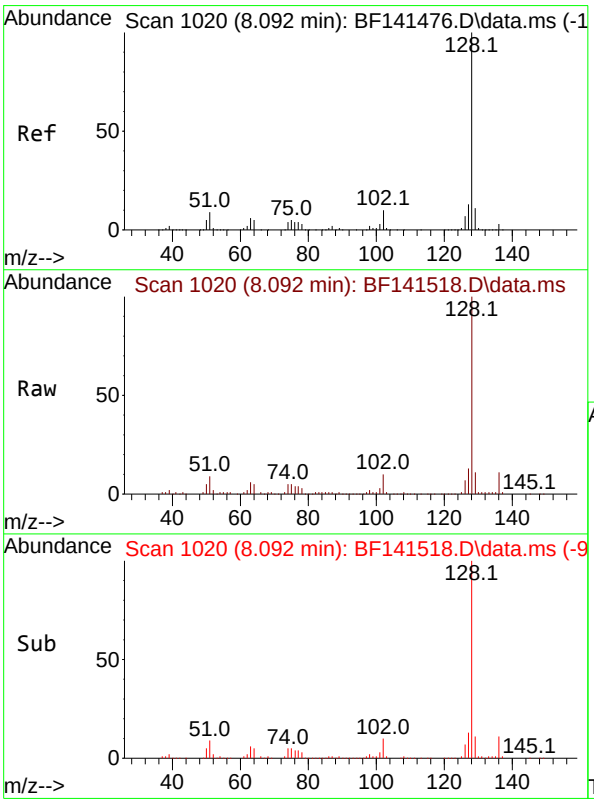
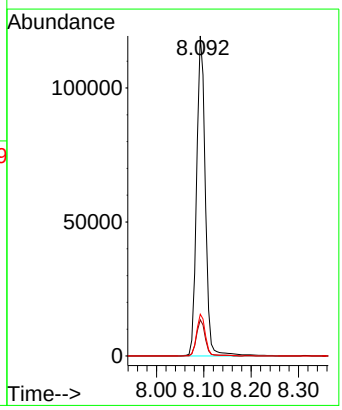


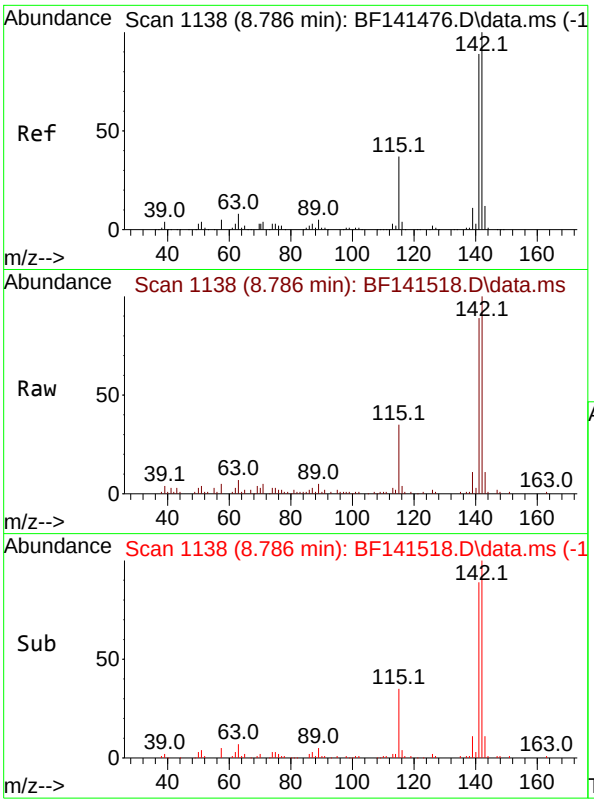


#31
Naphthalene
Concen: 9.407 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:128 Resp: 153293

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.1	10.7	16.1

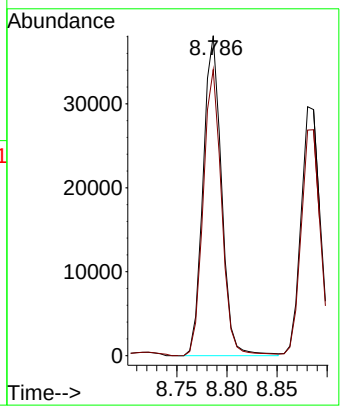




#37
2-Methylnaphthalene
Concen: 4.618 ng
RT: 8.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:142 Resp: 4896

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.2	106.8



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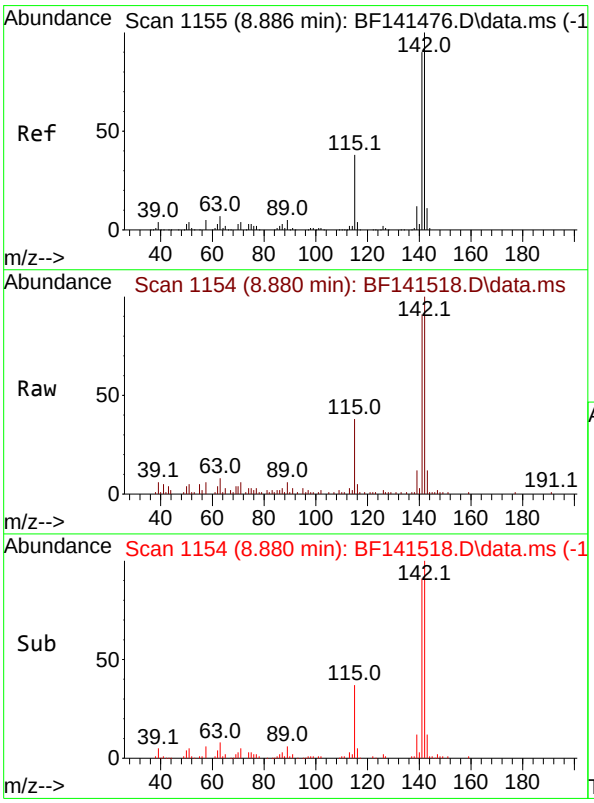
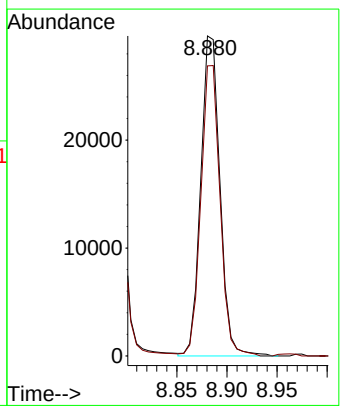
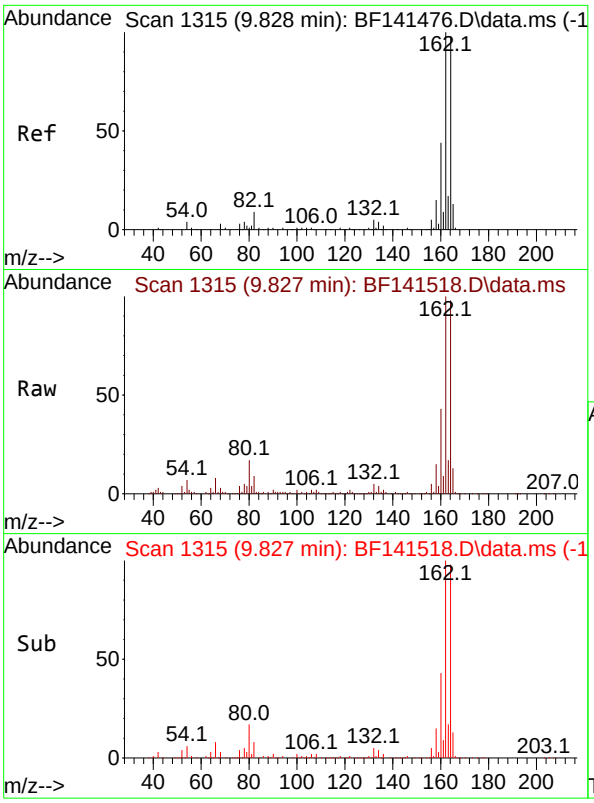


#38
1-Methylnaphthalene
Concen: 3.860 ng
RT: 8.880 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:142 Resp: 39641

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.1	108.1

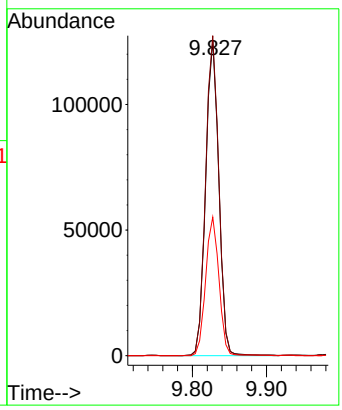




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:164 Resp: 15468

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	44.0	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
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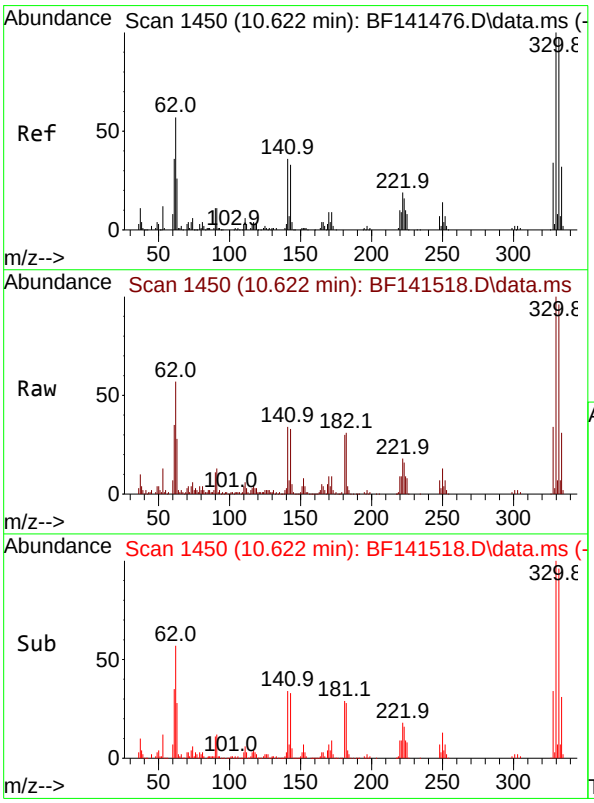
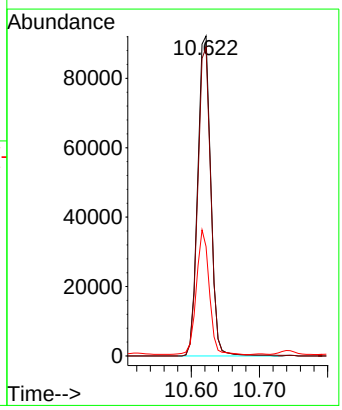
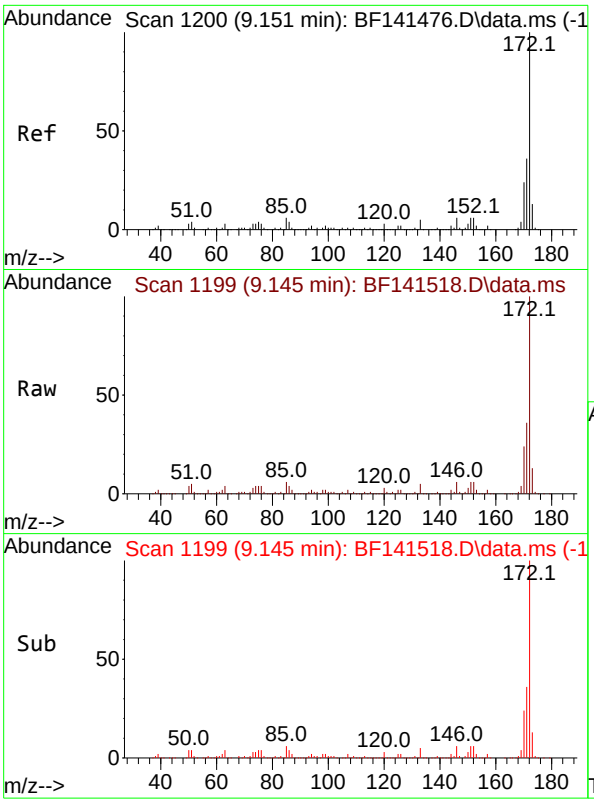


#42
2,4,6-Tribromophenol
Concen: 79.016 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:330 Resp: 122782

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.5	117.7
141	38.4	31.0	46.4

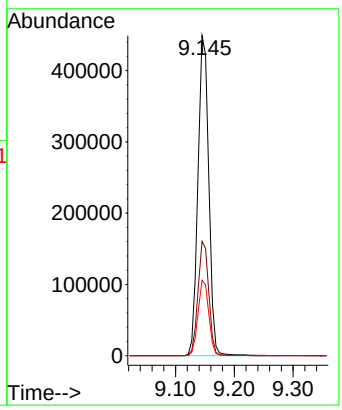




#45
2-Fluorobiphenyl
Concen: 57.325 ng
RT: 9.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:172 Resp: 57555

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.7	43.1
170	23.6	18.9	28.3



Instrument :
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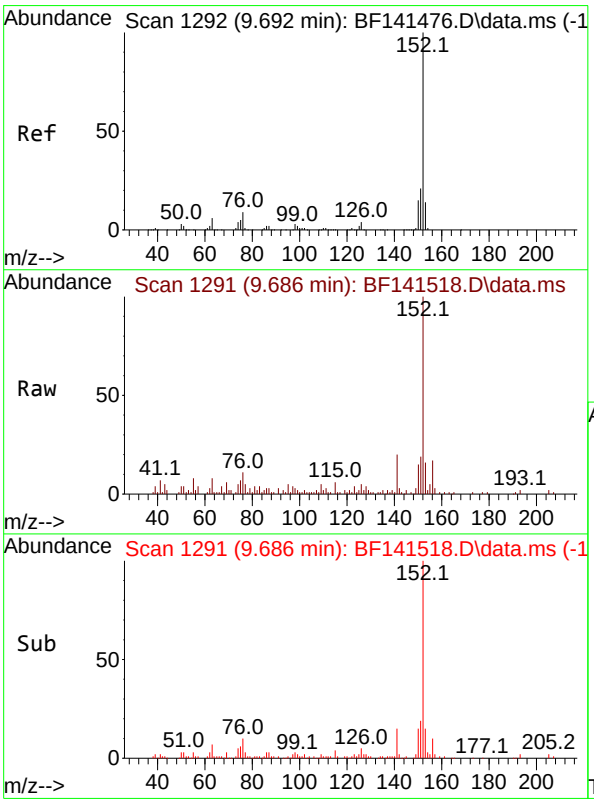
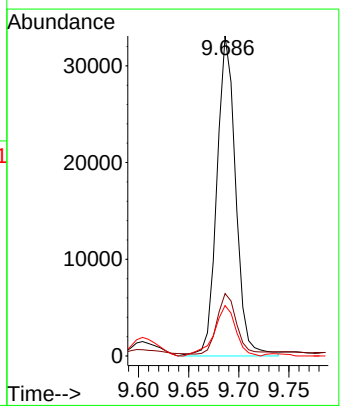
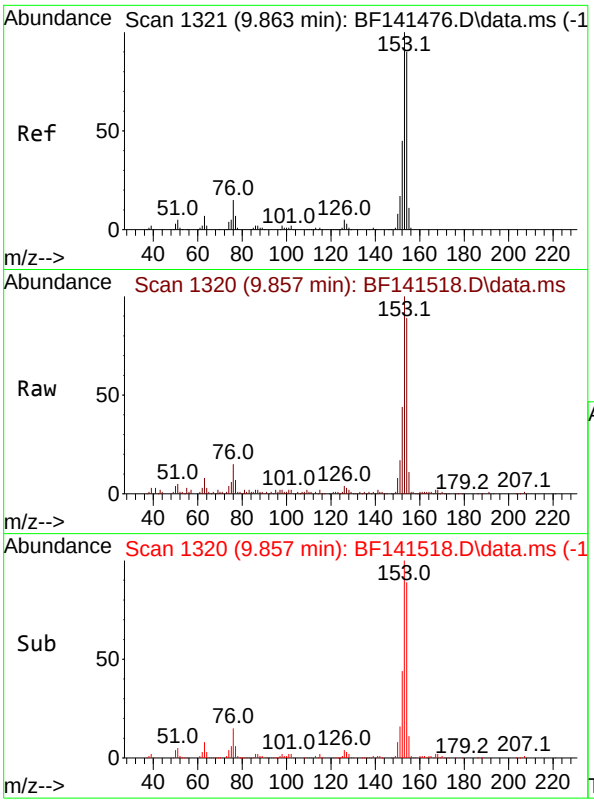


#49
Acenaphthylene
Concen: 3.284 ng
RT: 9.686 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:152 Resp: 43315

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.4	24.6
153	15.8	10.9	16.3

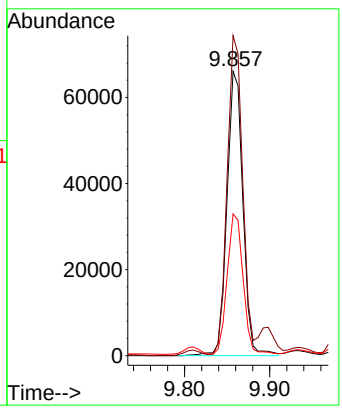




#52
Acenaphthene
Concen: 9.671 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:154 Resp: 8575

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.2	133.8
152	49.8	39.8	59.8



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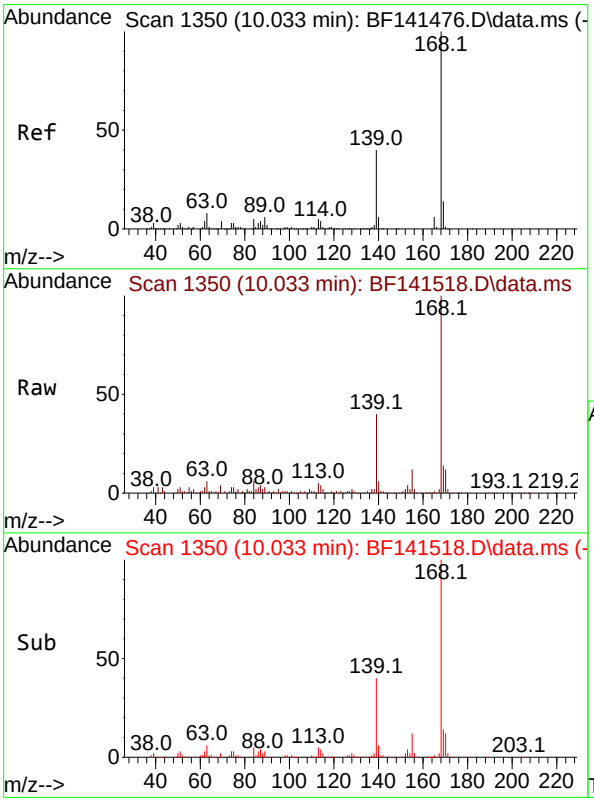
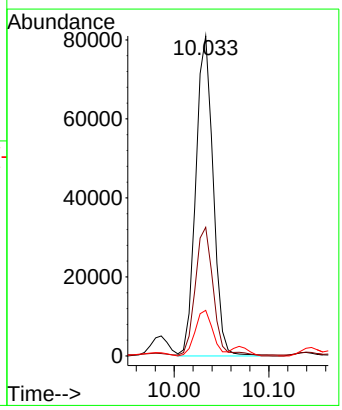
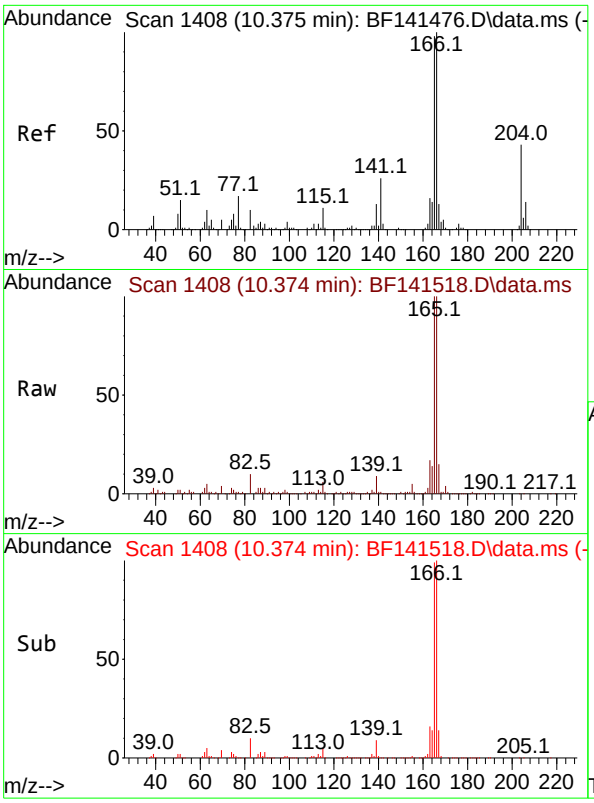


#55
Dibenzofuran
Concen: 7.919 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:168 Resp: 103075

Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.7	49.1
169	14.3	10.8	16.2

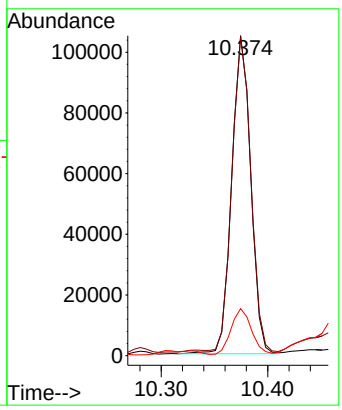




#58
Fluorene
Concen: 12.898 ng
RT: 10.374 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:166 Resp: 12980

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.2	117.2
167	14.7	10.7	16.1



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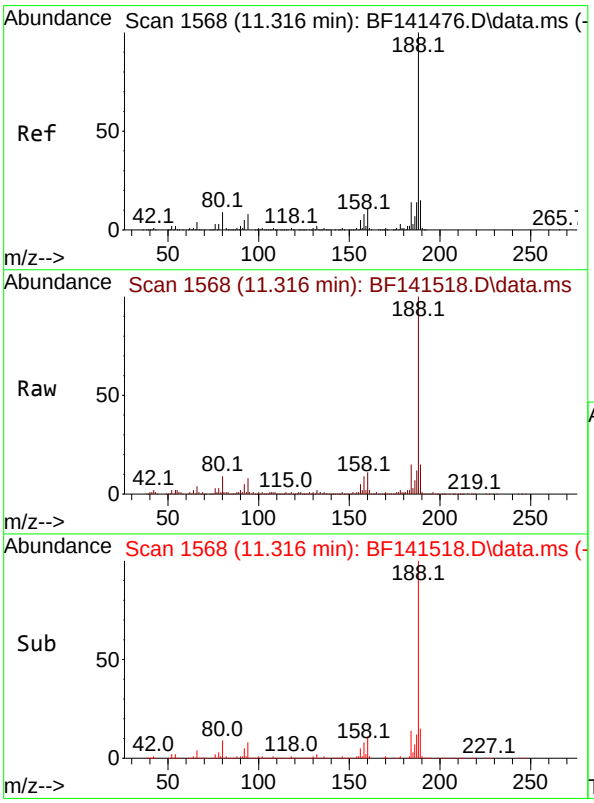
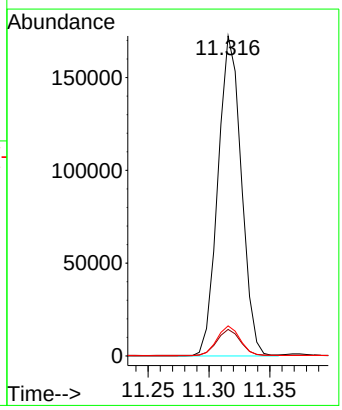
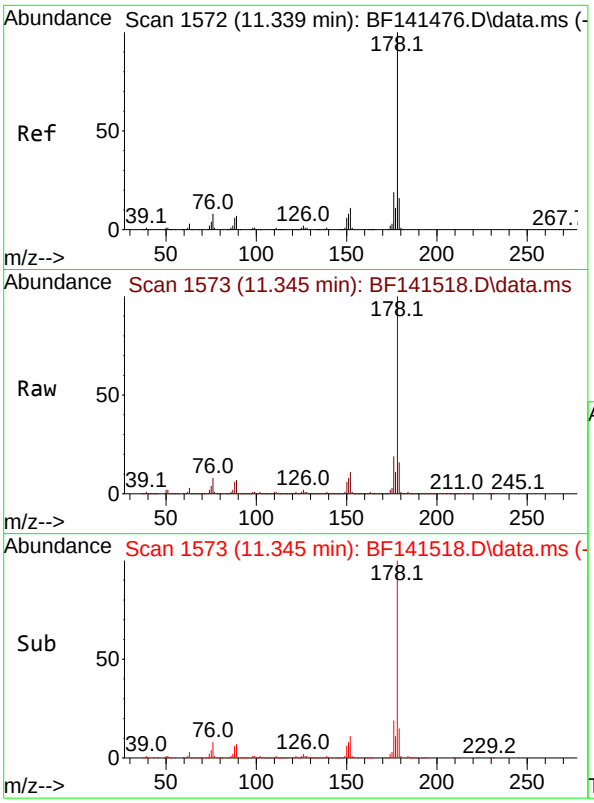


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:188 Resp: 230713

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.4	7.3	10.9

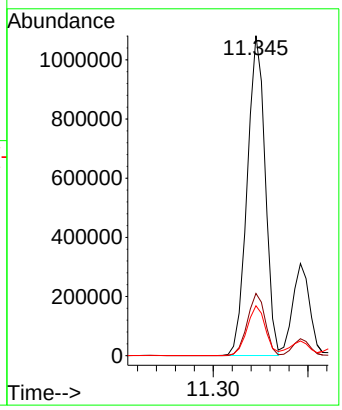




#71
Phenanthrene
Concen: 112.176 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:178 Resp: 142460

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.4	18.6



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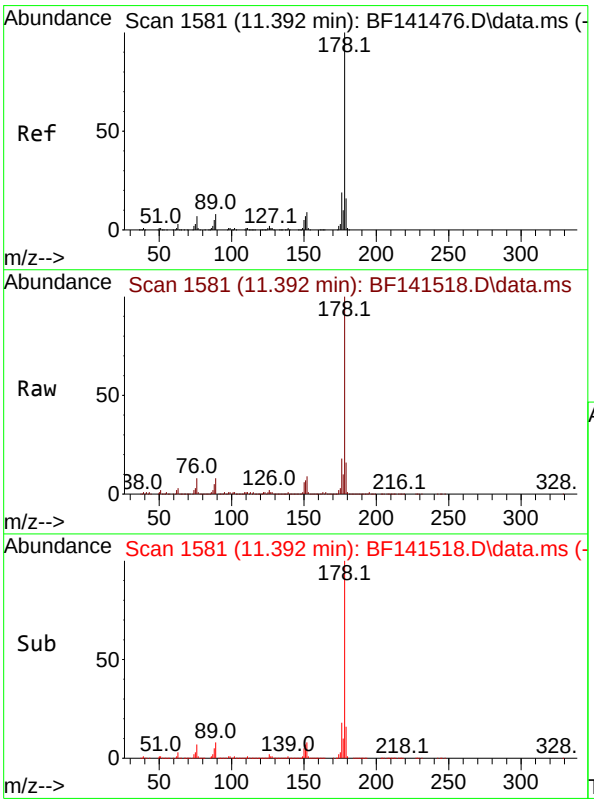
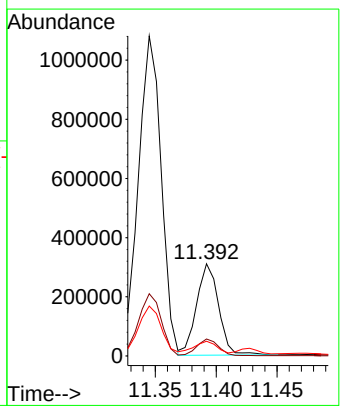
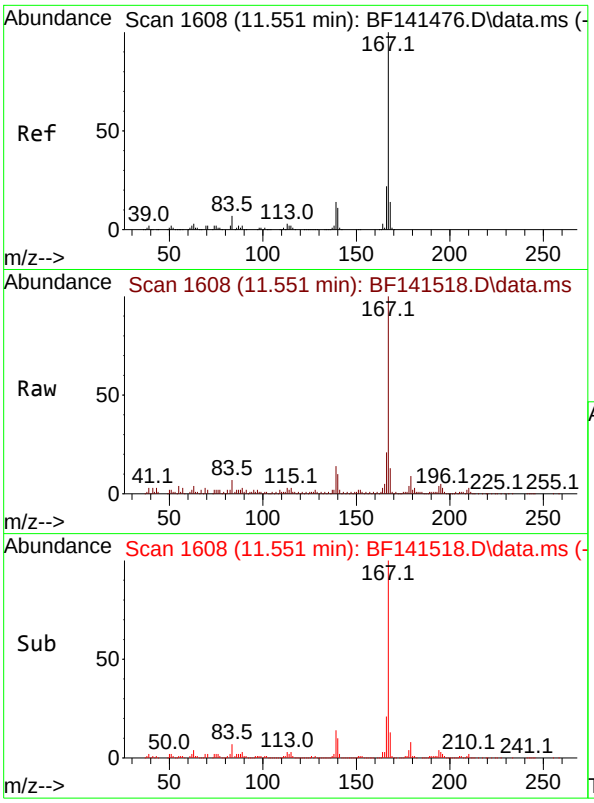


#72
Anthracene
Concen: 30.452 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:178 Resp: 388759

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.9	12.4	18.6

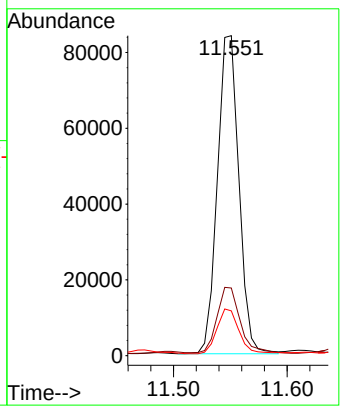




#73
Carbazole
Concen: 9.617 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:167 Resp: 11046

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.2
139	14.0	10.9	16.3



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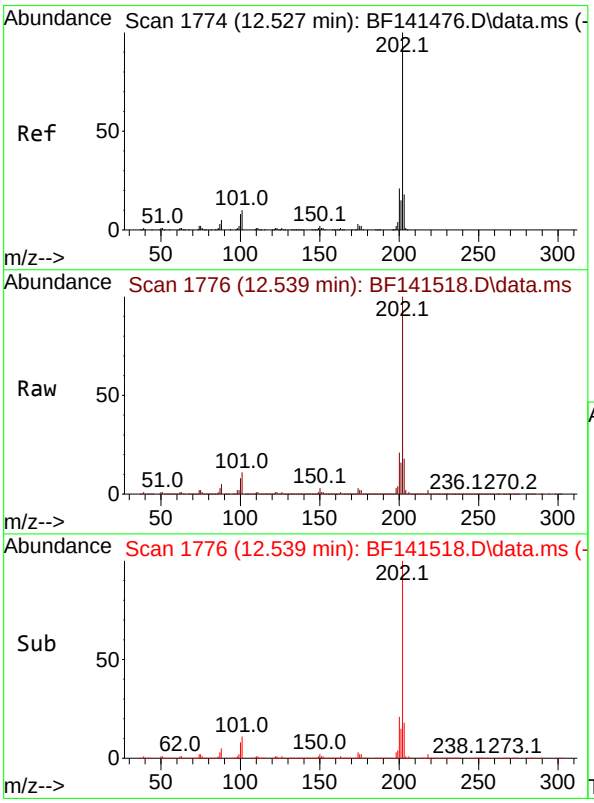
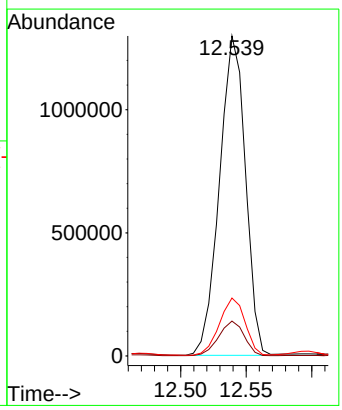
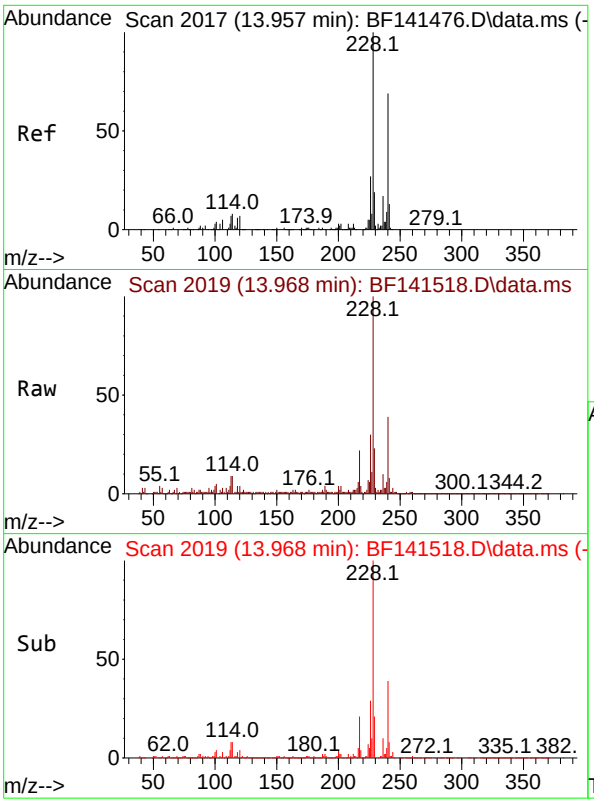


#75
Fluoranthene
Concen: 132.617 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:202 Resp: 1785579

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.2
203	18.1	0.0	37.6

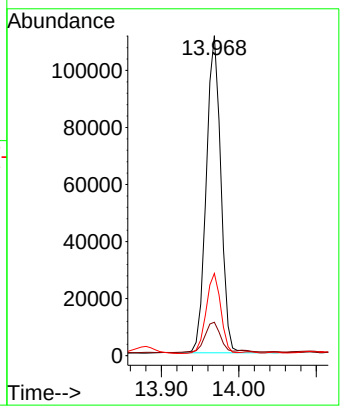




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:240 Resp: 14518

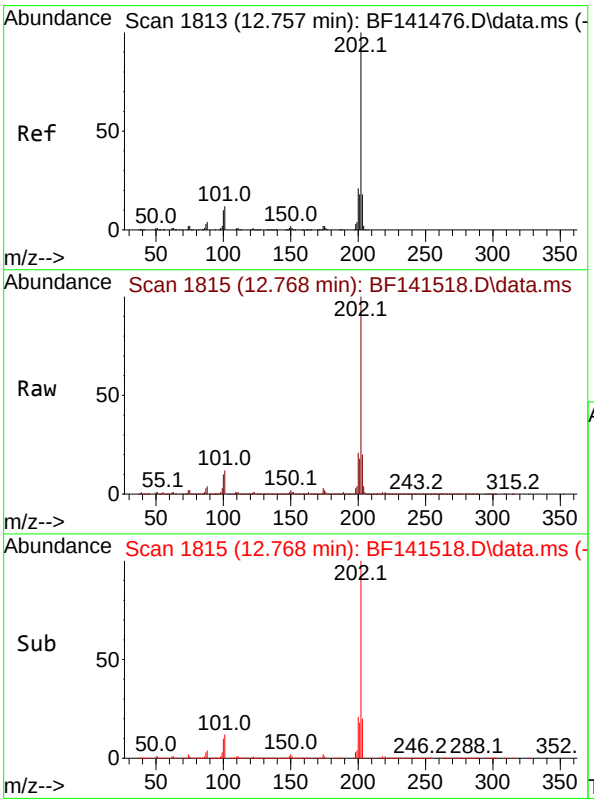
Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.0	12.0
236	25.7	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations
APPROVED

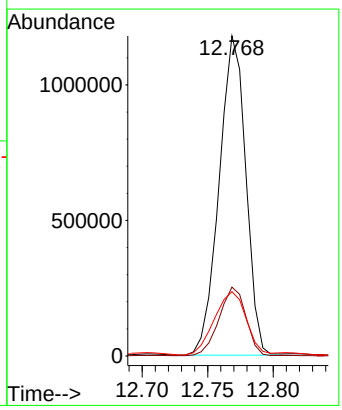
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

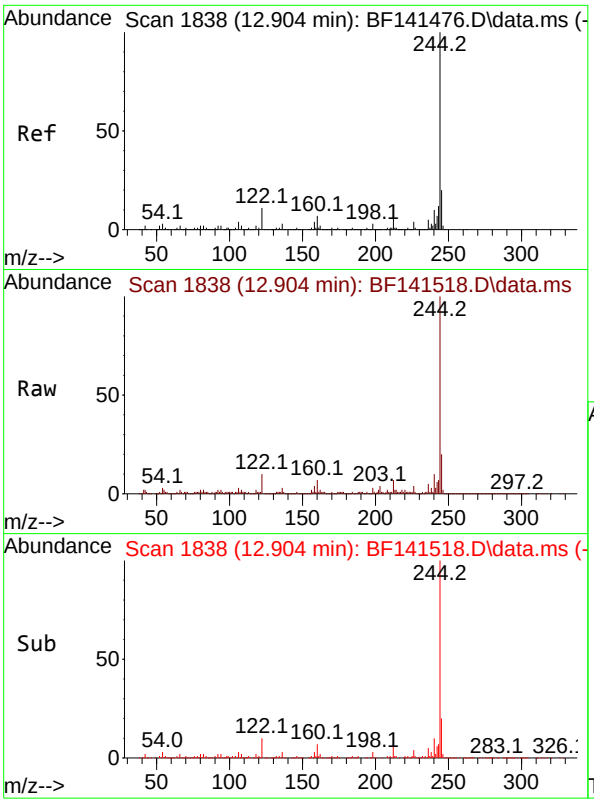


#78
Pyrene
Concen: 134.882 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:202 Resp: 1667025

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	20.1	14.3	21.5

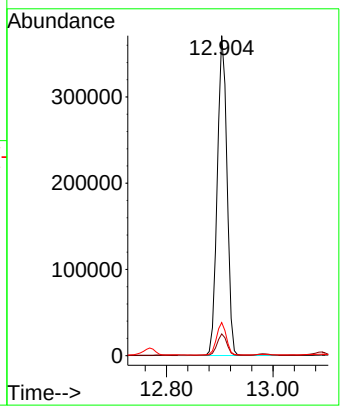




#79
Terphenyl-d14
Concen: 54.532 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:244 Resp: 46898

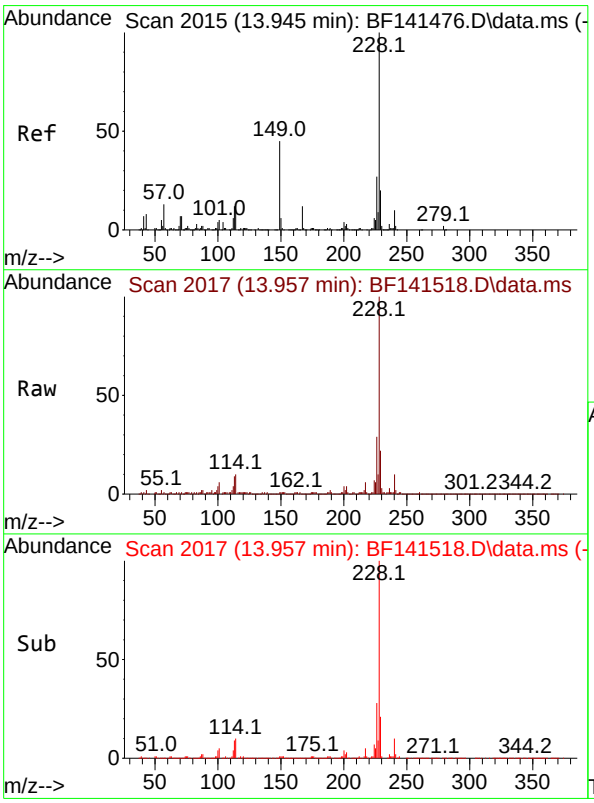
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.3	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations
APPROVED

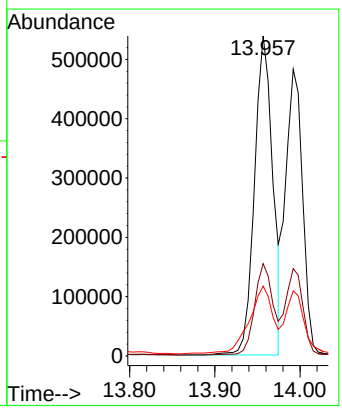
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

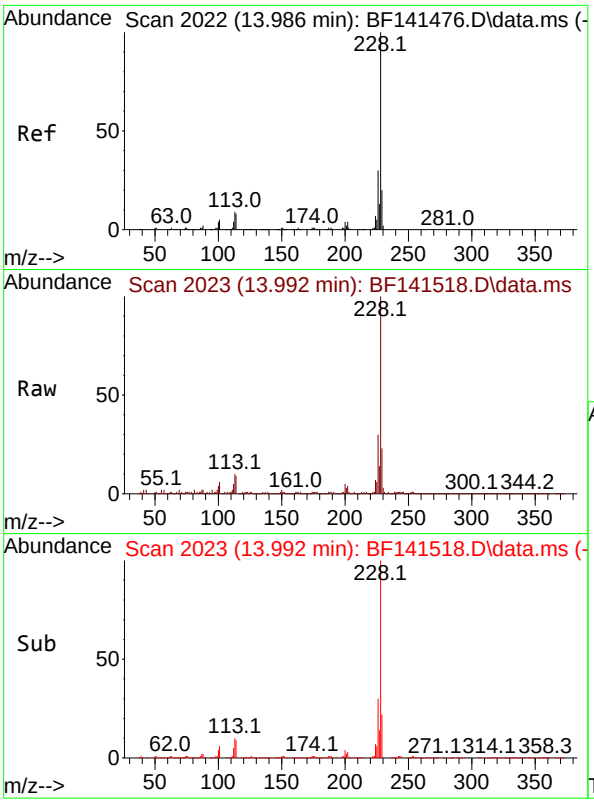


#81
Benzo(a)anthracene
Concen: 83.476 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:228 Resp: 805622

Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.8
229	21.8	15.8	23.6

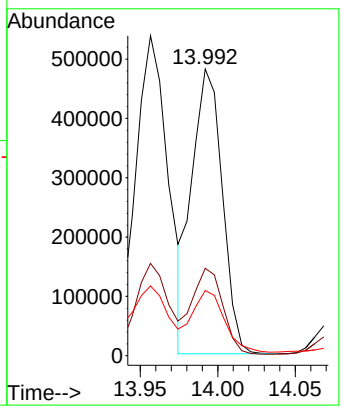




#83
Chrysene
Concen: 73.679 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:228 Resp: 65657

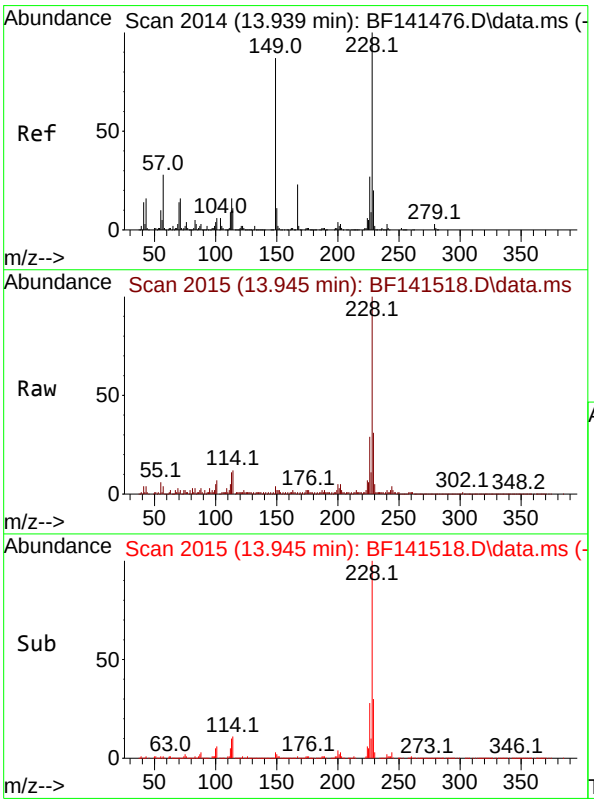
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	22.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations
APPROVED

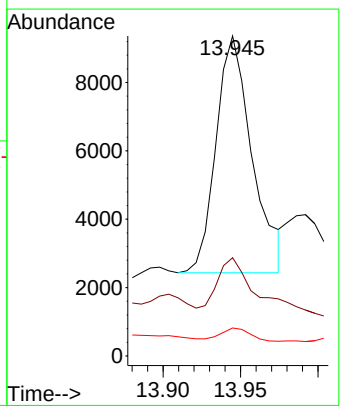
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

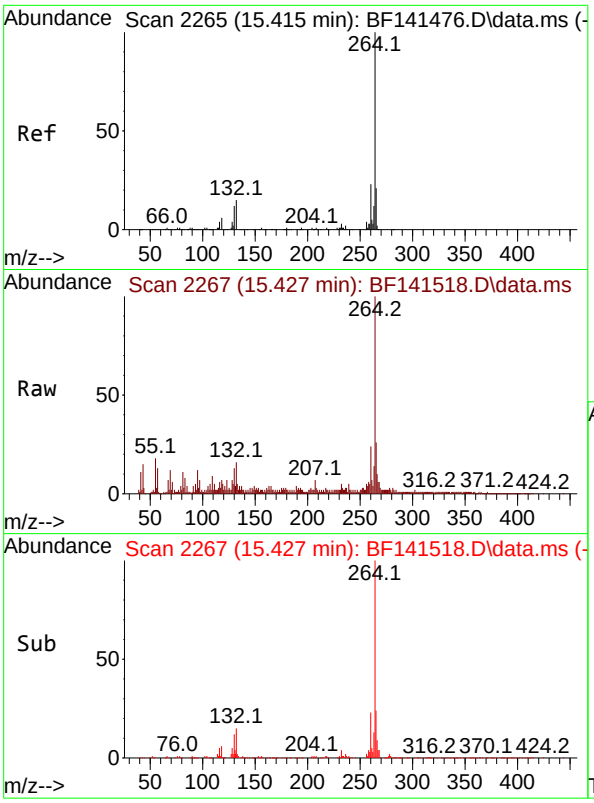


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.318 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:149 Resp: 11192

Ion	Ratio	Lower	Upper
149	100		
167	30.7	21.4	32.0
279	8.7	3.1	4.7#

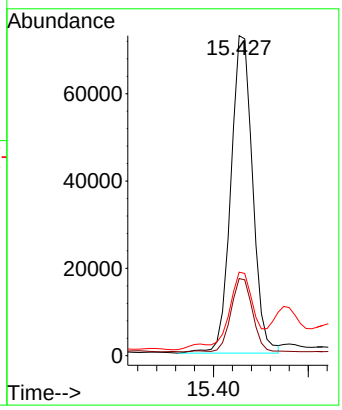




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:264 Resp: 11604

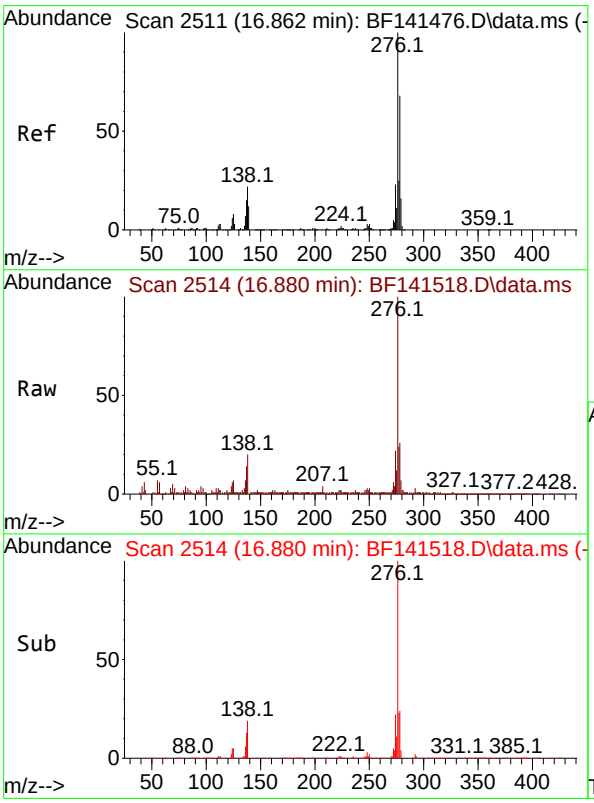
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	26.1	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations
APPROVED

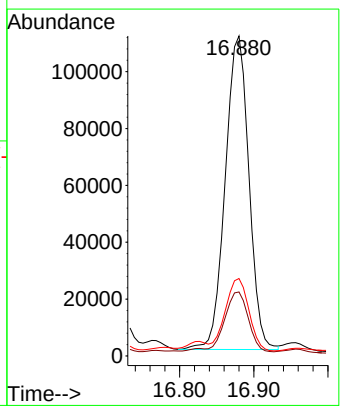
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

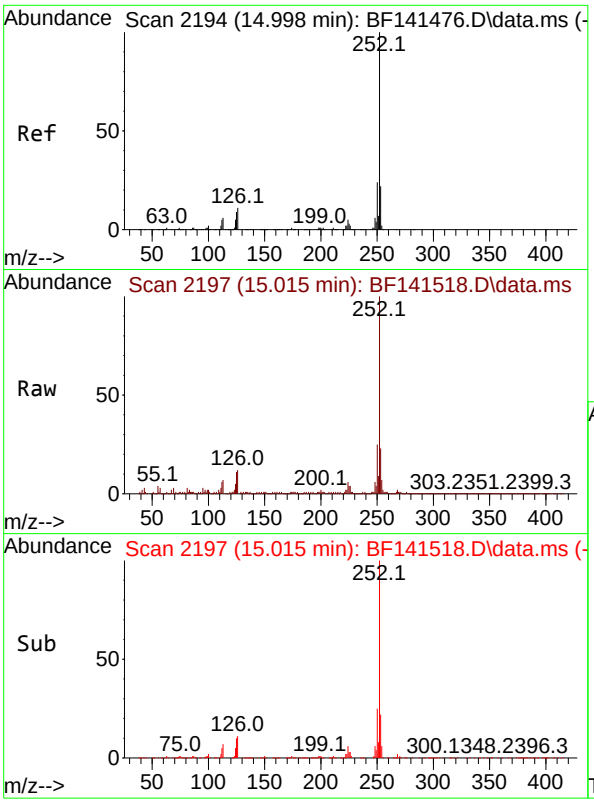


#87
Indeno(1,2,3-cd)pyrene
Concen: 34.157 ng
RT: 16.880 min Scan# 2514
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:276 Resp: 244912

Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.0	27.0
277	22.9	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 83.096 ng m
RT: 15.015 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

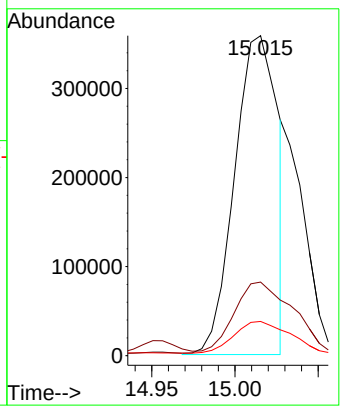
Tgt Ion:252 Resp: 64746

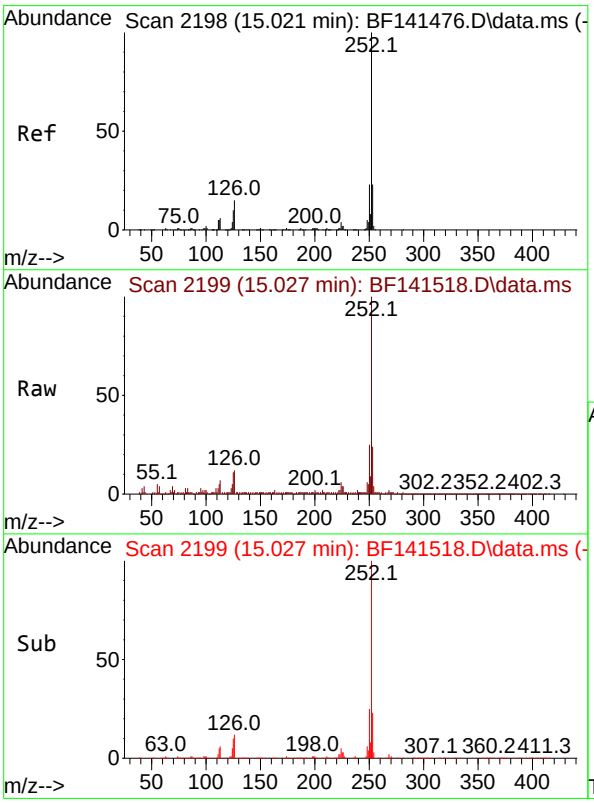
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.7	7.0	10.6

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

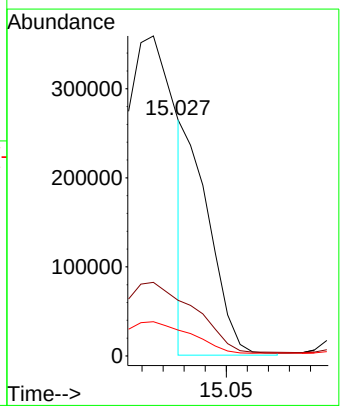


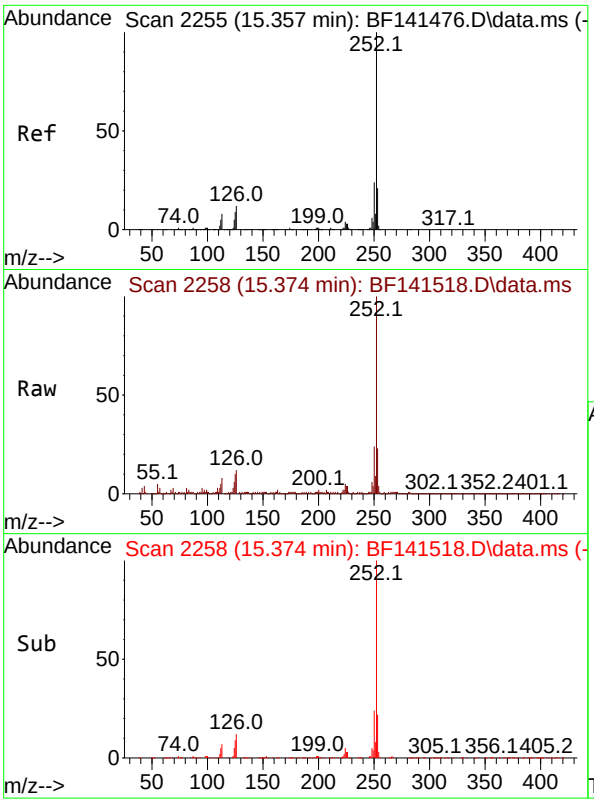


#89
Benzo(k)fluoranthene
Concen: 32.226 ng m
RT: 15.027 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:252 Resp: 214416

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.0	7.4	11.0

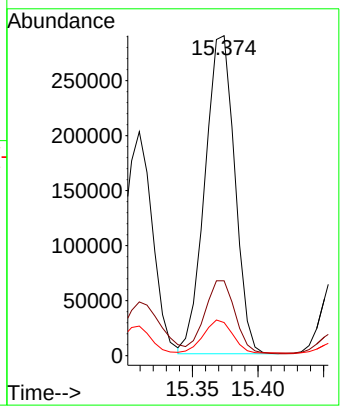




#90
Benzo(a)pyrene
Concen: 72.489 ng
RT: 15.374 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:252 Resp: 45702

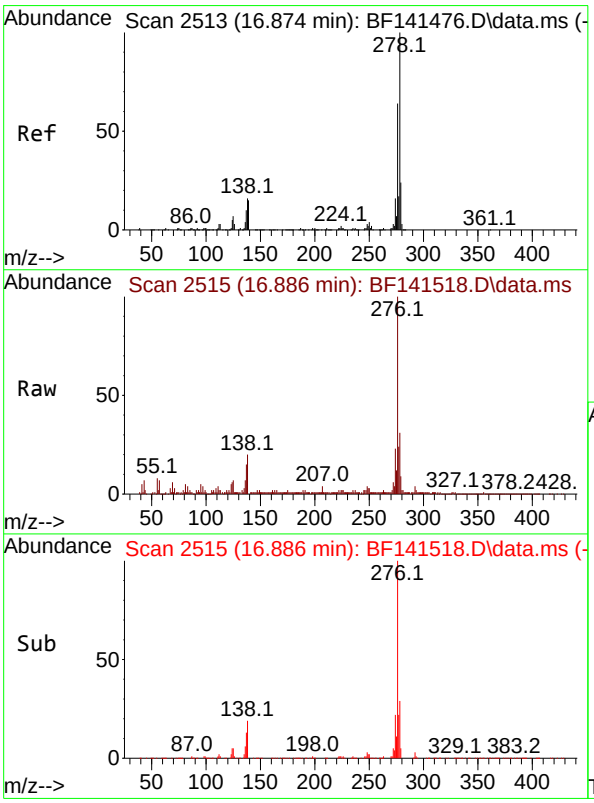
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	10.4	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations
APPROVED

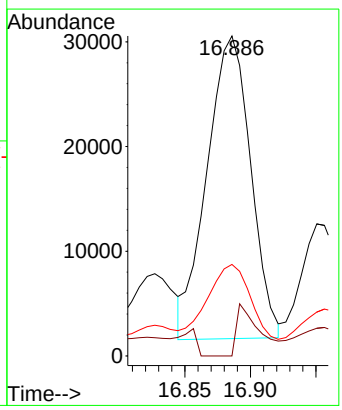
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

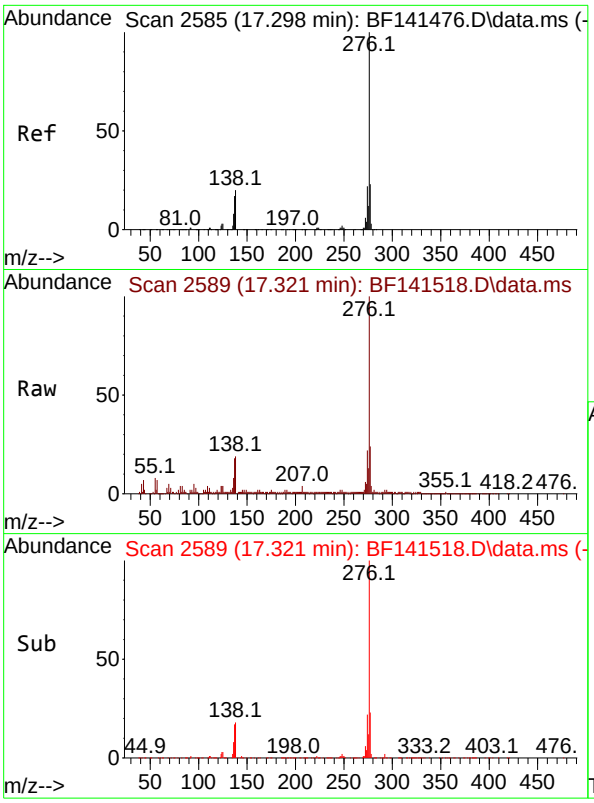


#91
Dibenzo(a,h)anthracene
Concen: 11.544 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:278 Resp: 67072

Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.8	17.6#
279	28.6	19.1	28.7

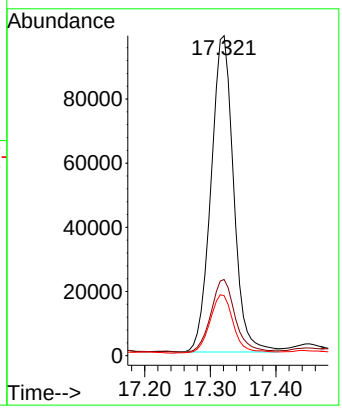




#92
Benzo(g,h,i)perylene
Concen: 38.750 ng
RT: 17.321 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:276 Resp: 23559

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	18.7	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

Sample Results: **BF141518.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141518.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	559	564	584	rVB	1284030	1774726	39.96%	3.526%
2	6.434	732	738	753	rBV	1334365	1877865	42.28%	3.731%
3	6.792	793	799	805	rVB	403530	520322	11.71%	1.034%
4	7.351	884	894	899	rBV	901132	1204430	27.12%	2.393%
5	7.610	932	938	944	rVB2	44784	70534	1.59%	0.140%
6	8.075	1010	1017	1025	rBV2	503108	987979	22.24%	1.963%
7	8.786	1134	1138	1145	rVB	123238	152723	3.44%	0.303%
8	8.880	1150	1154	1162	rVB	102776	141341	3.18%	0.281%
9	9.145	1194	1199	1208	rBV	1337035	1685718	37.95%	3.350%
10	9.345	1229	1233	1239	rVB	32847	48536	1.09%	0.096%
11	9.410	1239	1244	1249	rBV	70492	114844	2.59%	0.228%
12	9.486	1252	1257	1259	rBV	109823	149329	3.36%	0.297%
13	9.510	1259	1261	1266	rVB2	44528	53090	1.20%	0.105%
14	9.604	1272	1277	1282	rBV2	52397	84137	1.89%	0.167%
15	9.686	1287	1291	1296	rVB	99981	125060	2.82%	0.248%
16	9.827	1308	1315	1318	rBV	532720	724538	16.31%	1.440%
17	9.857	1318	1320	1325	rVV	278228	337561	7.60%	0.671%
18	9.933	1329	1333	1337	rVB	33580	47823	1.08%	0.095%
19	9.980	1337	1341	1345	rBV2	48104	72392	1.63%	0.144%
20	10.033	1345	1350	1354	rVV	223011	310523	6.99%	0.617%
21	10.069	1354	1356	1364	rVB	51506	64820	1.46%	0.129%
22	10.145	1365	1369	1371	rBV	49988	67061	1.51%	0.133%
23	10.169	1371	1373	1379	rVB	40510	55472	1.25%	0.110%
24	10.233	1380	1384	1391	rBV2	53708	111605	2.51%	0.222%
25	10.374	1403	1408	1413	rBV	356559	454568	10.23%	0.903%
26	10.439	1413	1419	1421	rBV	71353	129834	2.92%	0.258%
27	10.539	1431	1436	1441	rVB2	182673	287895	6.48%	0.572%
28	10.616	1444	1449	1454	rBV	893392	1171206	26.37%	2.327%
29	10.739	1466	1470	1477	rVB4	65311	110607	2.49%	0.220%
30	10.922	1495	1501	1504	rBV3	115121	203815	4.59%	0.405%
31	10.951	1504	1506	1509	rVB2	53210	53582	1.21%	0.106%
32	11.004	1513	1515	1518	rVB2	49142	53028	1.19%	0.105%
33	11.051	1518	1523	1525	rBV2	61186	100475	2.26%	0.200%
34	11.122	1531	1535	1539	rVB	93790	112663	2.54%	0.224%
35	11.169	1539	1543	1547	rVV3	102655	182561	4.11%	0.363%
36	11.210	1547	1550	1557	rVB	173990	238895	5.38%	0.475%

Sample Results: **BF141518.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.345	1563	1573	1577	rBV2	2596985	4038398	90.92%	8.024%
38	11.392	1577	1581	1585	rVV	686395	880036	19.81%	1.749%
39	11.427	1585	1587	1591	rVB2	71217	78556	1.77%	0.156%
40	11.545	1602	1607	1615	rBV2	208105	368408	8.29%	0.732%
41	11.610	1615	1618	1621	rVV	72493	93240	2.10%	0.185%
42	11.645	1621	1624	1630	rVB2	82670	120017	2.70%	0.238%
43	11.780	1643	1647	1649	rBV2	37849	63412	1.43%	0.126%
44	11.816	1649	1653	1656	rVV	417444	637639	14.36%	1.267%
45	11.851	1656	1659	1663	rVV	835459	1077581	24.26%	2.141%
46	11.892	1663	1666	1669	rVV	251733	350617	7.89%	0.697%
47	11.933	1669	1673	1681	rVB	724187	1449712	32.64%	2.881%
48	12.021	1681	1688	1691	rBV5	66660	161386	3.63%	0.321%
49	12.057	1691	1694	1698	rVV4	125729	182568	4.11%	0.363%
50	12.116	1700	1704	1707	rVV	277712	425741	9.59%	0.846%
51	12.174	1711	1714	1720	rVB2	194218	290666	6.54%	0.578%
52	12.263	1725	1729	1732	rBV	138175	185093	4.17%	0.368%
53	12.292	1732	1734	1737	rBV	65082	73607	1.66%	0.146%
54	12.368	1743	1747	1751	rBV	317059	517118	11.64%	1.028%
55	12.410	1751	1754	1759	rVV2	207609	344709	7.76%	0.685%
56	12.463	1759	1763	1768	rVB2	196497	286451	6.45%	0.569%
57	12.539	1770	1776	1781	rBV	3002909	4147206	93.37%	8.241%
58	12.633	1789	1792	1795	rBV2	82831	98898	2.23%	0.197%
59	12.768	1808	1815	1820	rBV	2723028	4441521	100.00%	8.826%
60	12.810	1820	1822	1828	rVB2	189820	278633	6.27%	0.554%
61	12.904	1830	1838	1845	rVB3	1018577	1762701	39.69%	3.503%
62	12.980	1846	1851	1858	rBV4	293832	600847	13.53%	1.194%
63	13.045	1859	1862	1863	rBV2	74184	89370	2.01%	0.178%
64	13.092	1863	1870	1874	rVB	451376	857623	19.31%	1.704%
65	13.157	1878	1881	1884	rVV2	274521	330335	7.44%	0.656%
66	13.192	1884	1887	1895	rVB3	331937	521660	11.75%	1.037%
67	13.292	1900	1904	1906	rBV	163701	214039	4.82%	0.425%
68	13.321	1906	1909	1913	rVB2	158708	191215	4.31%	0.380%
69	13.604	1954	1957	1961	rVB	191660	251636	5.67%	0.500%
70	13.710	1971	1975	1977	rBV2	232639	317632	7.15%	0.631%
71	13.739	1978	1980	1982	rVV	125357	131281	2.96%	0.261%
72	13.810	1990	1992	2001	rVB	189035	238403	5.37%	0.474%
73	13.957	2011	2017	2021	rBV2	1510776	2773787	62.45%	5.512%
74	13.992	2021	2023	2030	rVB	1230386	1557000	35.06%	3.094%
75	14.068	2034	2036	2040	rVB	139218	165493	3.73%	0.329%
76	14.357	2082	2085	2088	rVB	201234	227810	5.13%	0.453%

Sample Results: **BF141518.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.015	2191	2197	2205	rBV	907685	2092072	47.10%	4.157%
78	15.115	2211	2214	2218	rVB	144191	172986	3.89%	0.344%
79	15.309	2243	2247	2252	rVB	491121	766313	17.25%	1.523%
80	15.374	2253	2258	2263	rVB	714408	1109095	24.97%	2.204%
81	15.433	2264	2268	2270	rBV	181501	285612	6.43%	0.568%
82	16.880	2508	2514	2521	rVB2	309047	661867	14.90%	1.315%
83	17.321	2584	2589	2600	rVB	239346	534414	12.03%	1.062%

Sum of corrected areas: 50325962

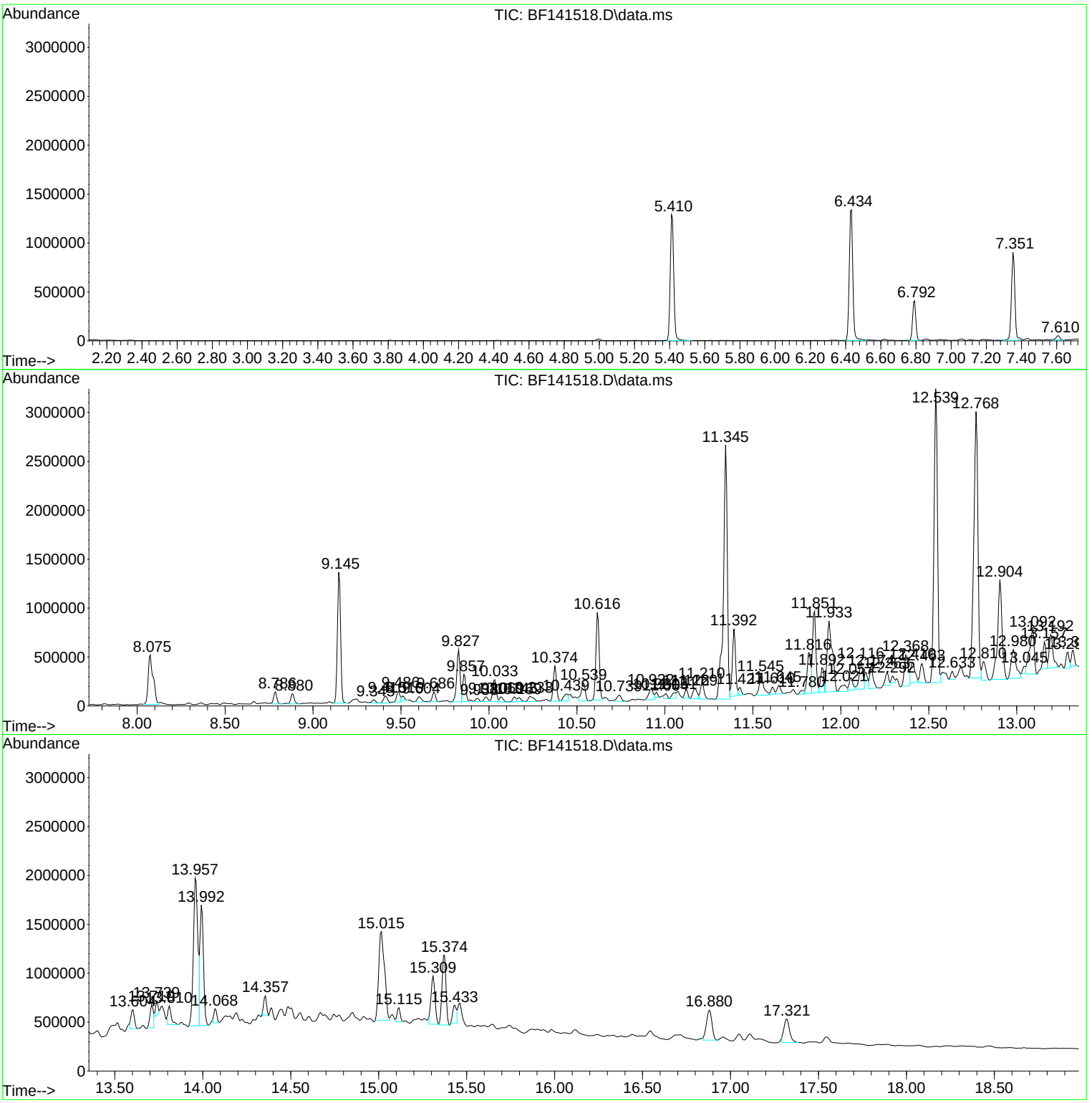
Sample Results: **BF141518.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

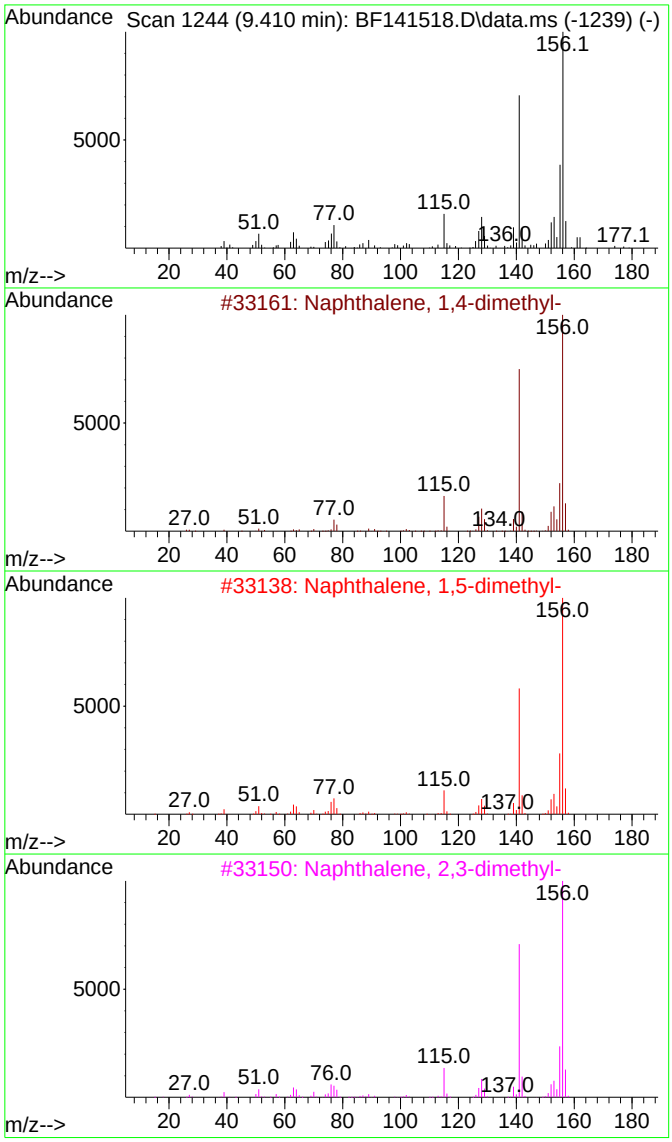
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

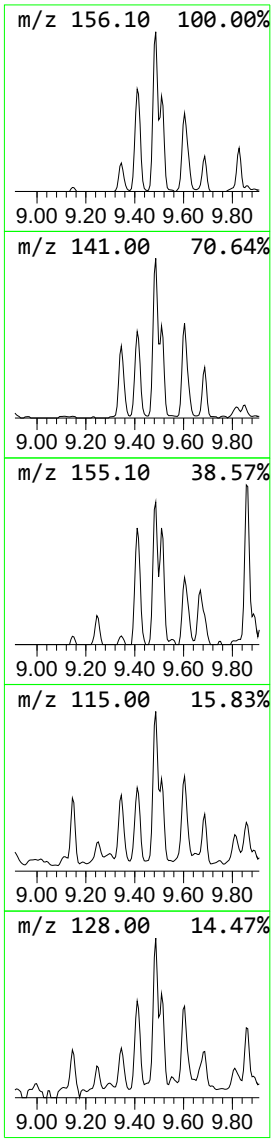
****

Peak Number 1 Naphthalene, 1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.410	3.17 ng	114844	Acenaphthene-d10	9.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

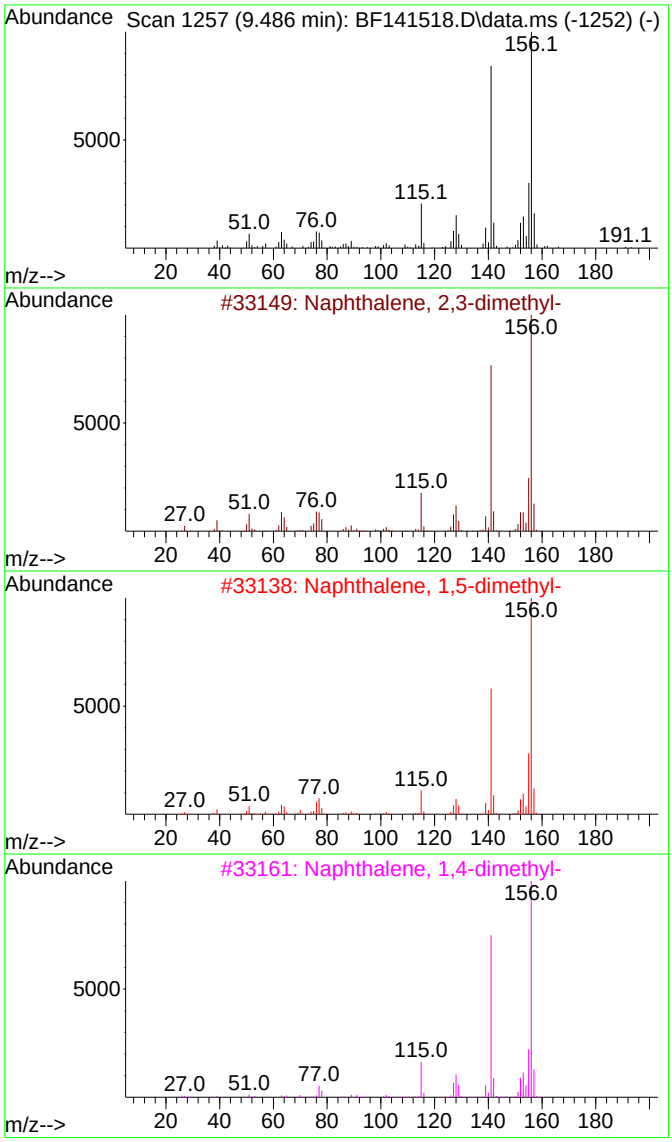
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

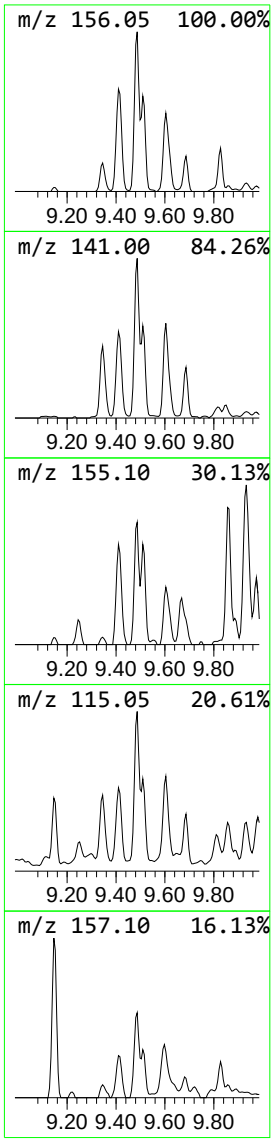
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.486	4.12 ng	149329	Acenaphthene-d10	9.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

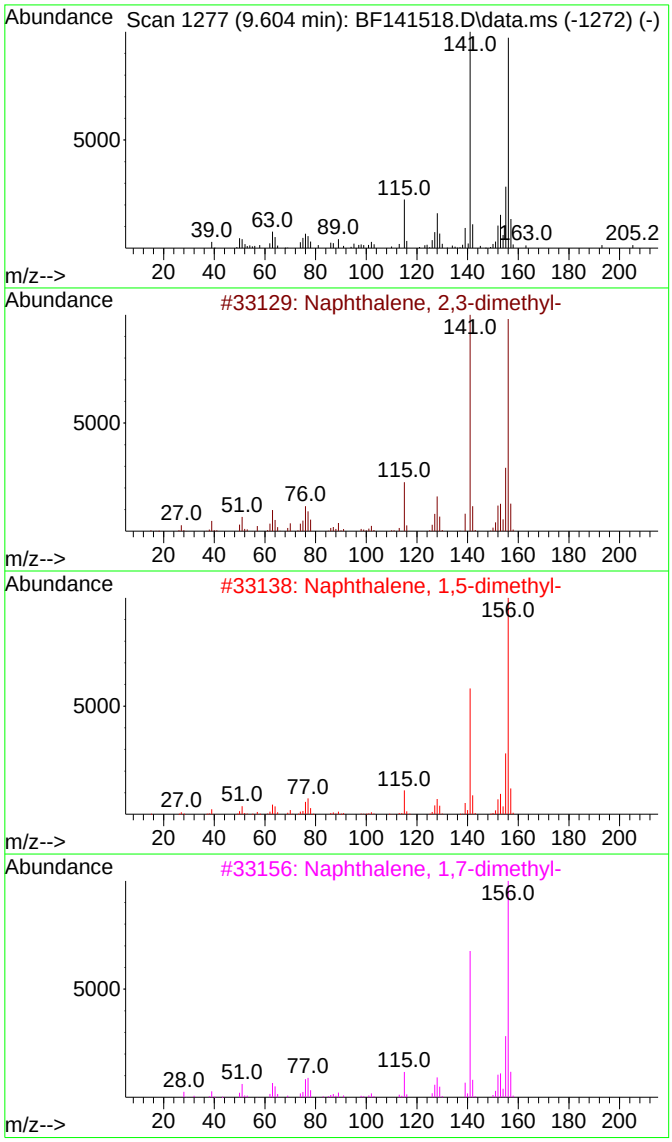
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

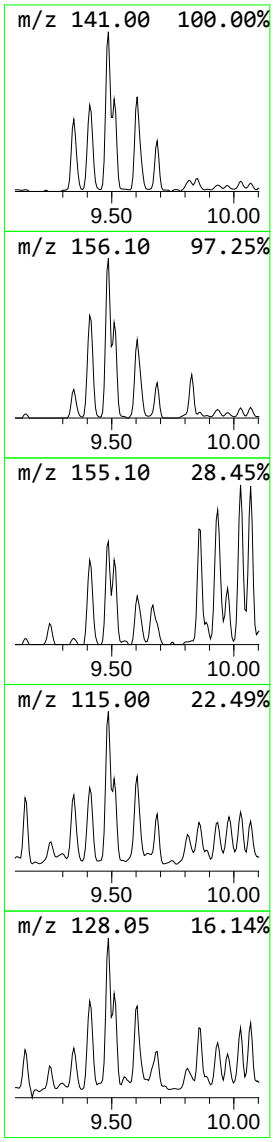
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.604	2.32 ng	84137	Acenaphthene-d10	9.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Sample Results: **BF141518.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

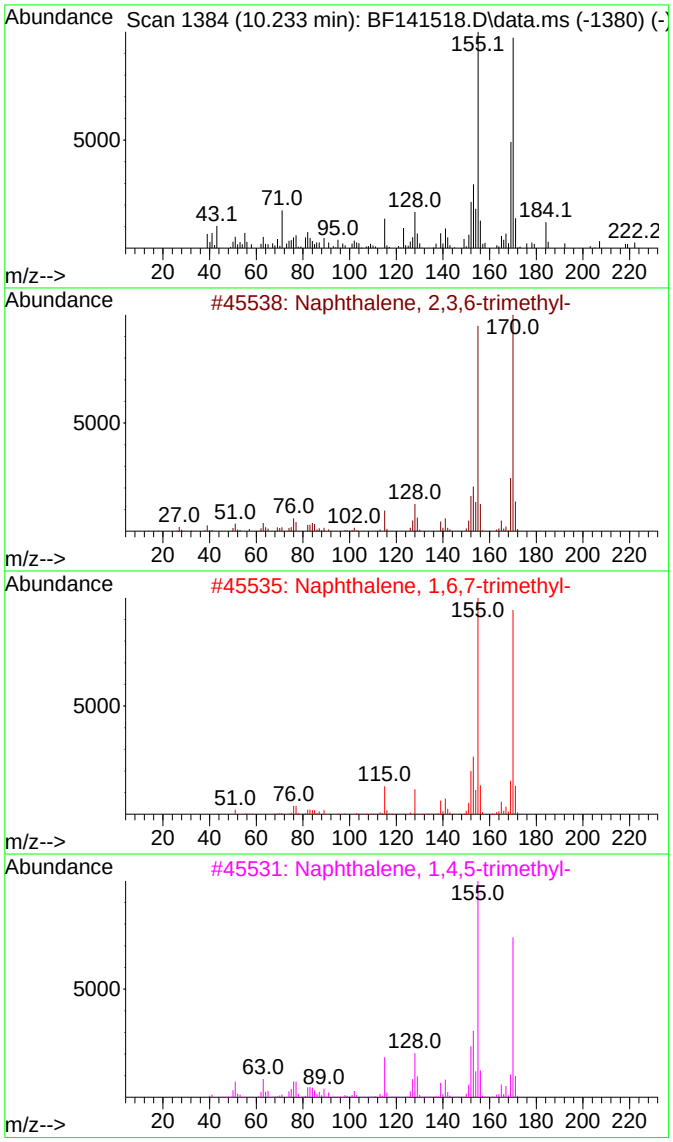
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

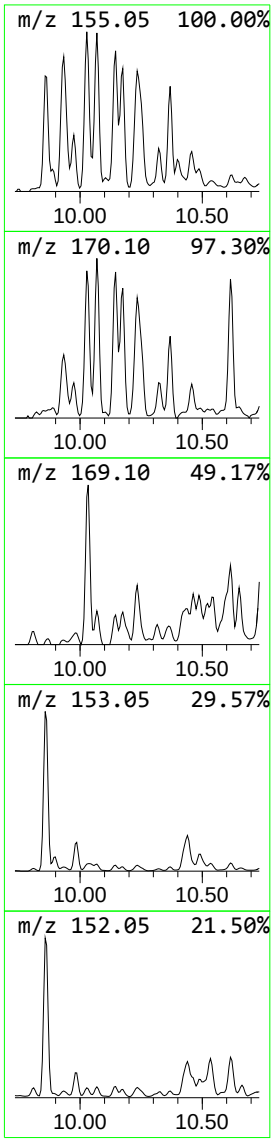
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.233	3.08 ng	111605	Acenaphthene-d10	9.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

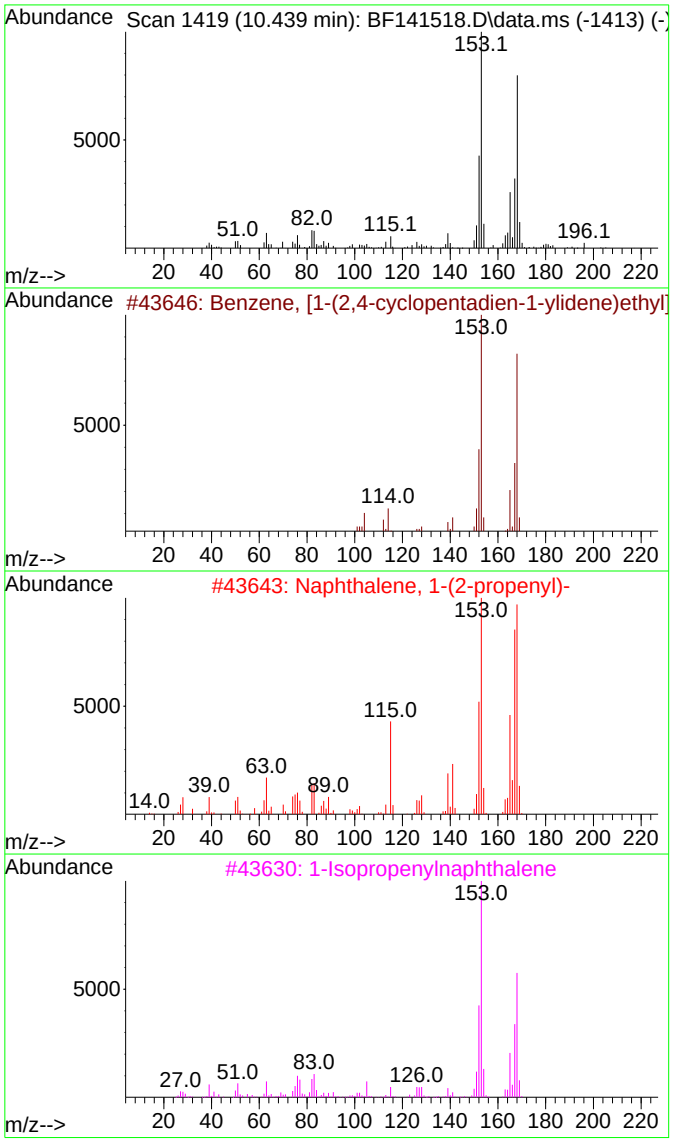
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

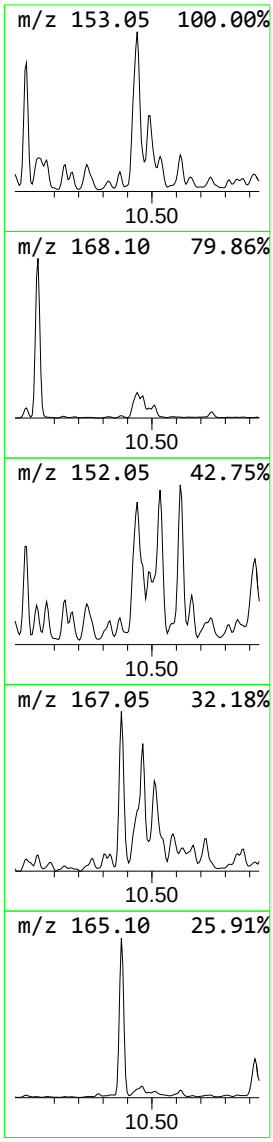
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, [1-(2,4-cyclopenta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.439	3.58 ng	129834	Acenaphthene-d10	9.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5	4-Methylthio-2,6-xylenol	168	C9H12OS	007379-49-9	50





Sample Results: **BF141518.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

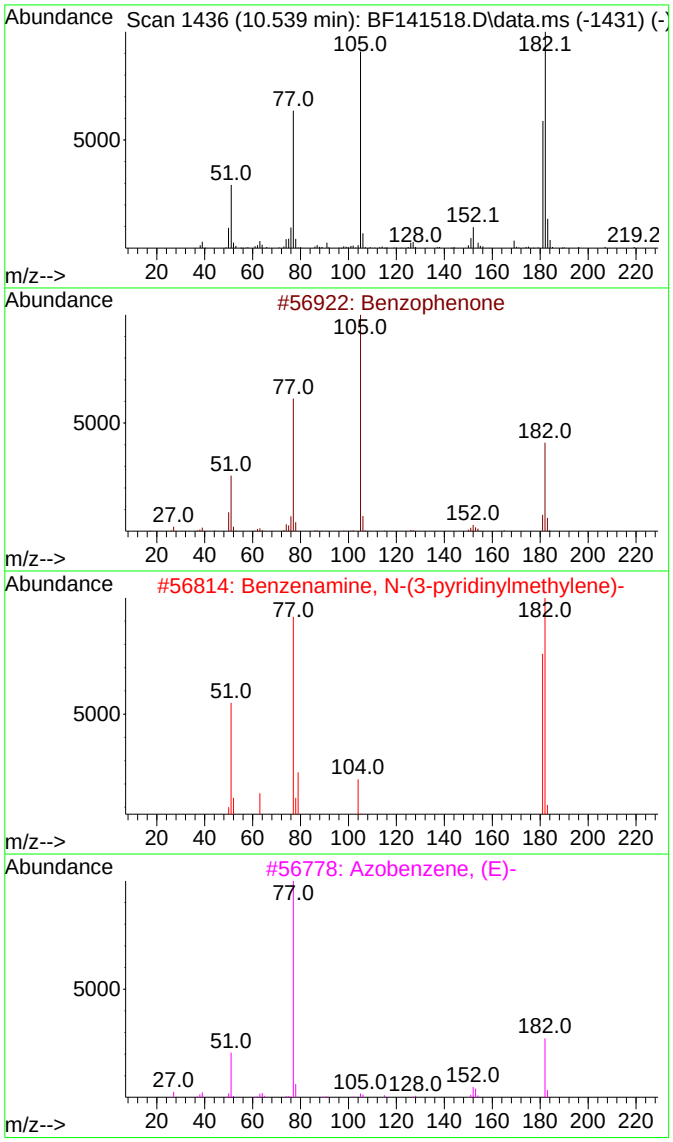
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

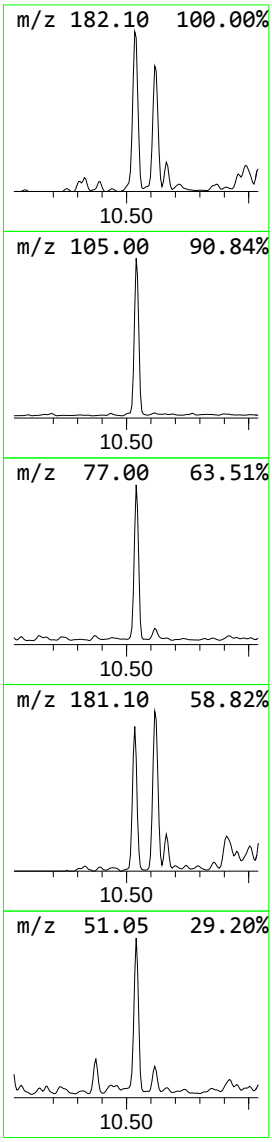
****

Peak Number 6 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	7.95 ng	287895	Acenaphthene-d10	9.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	64
3	Azobenzene, (E)-	182	C12H10N2	017082-12-1	50
4	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	49
5	Azobenzene	182	C12H10N2	000103-33-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

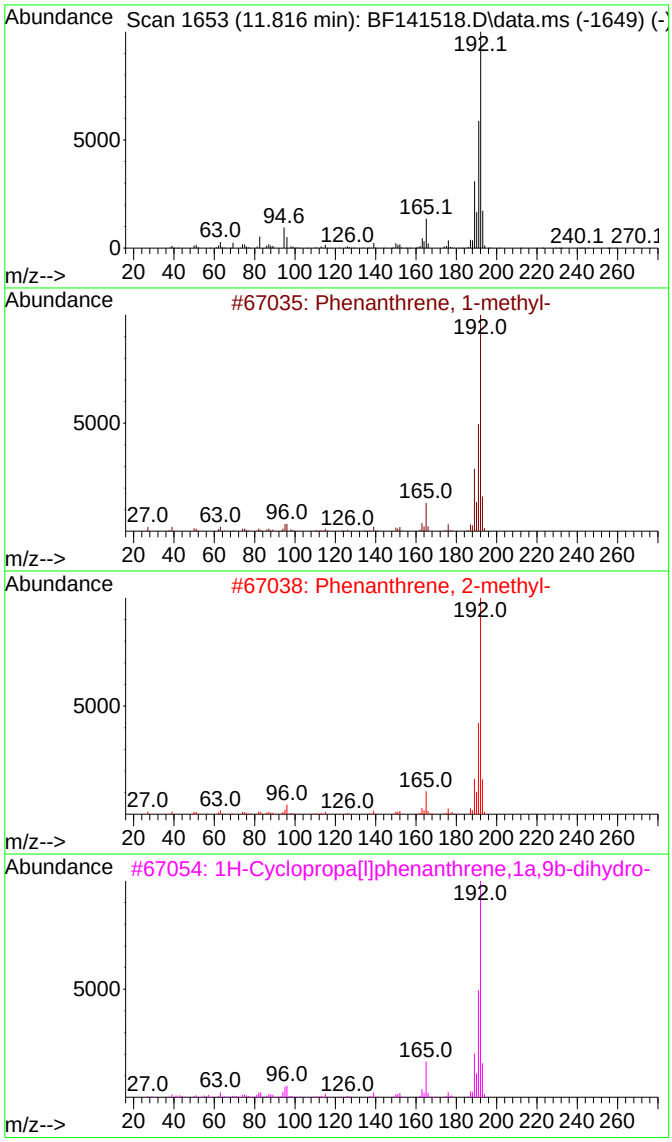
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

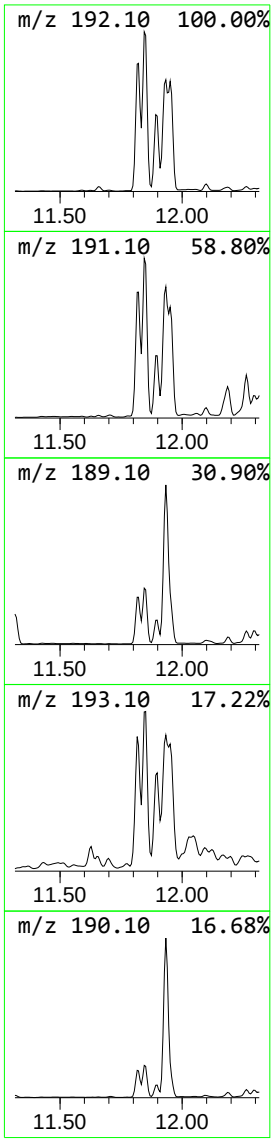
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	3.16 ng	637639	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

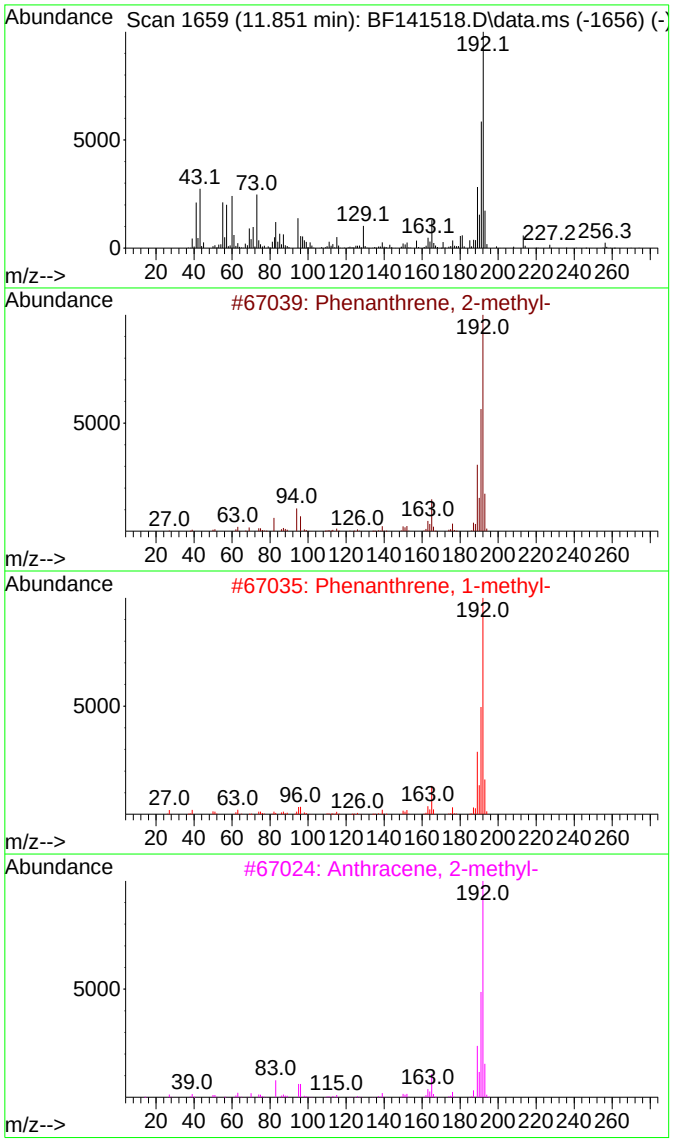
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

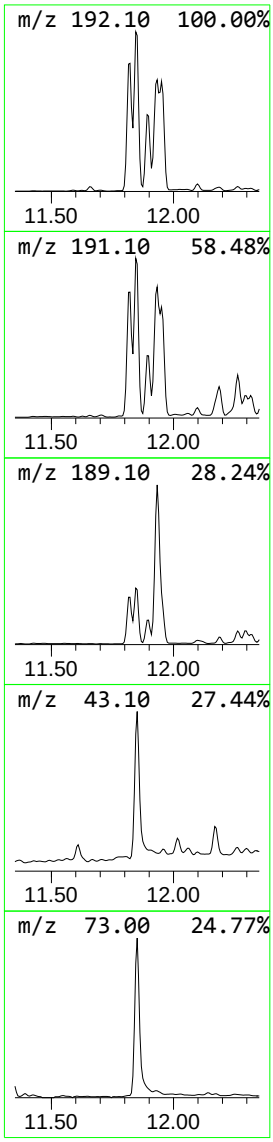
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	5.34 ng	1077580	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

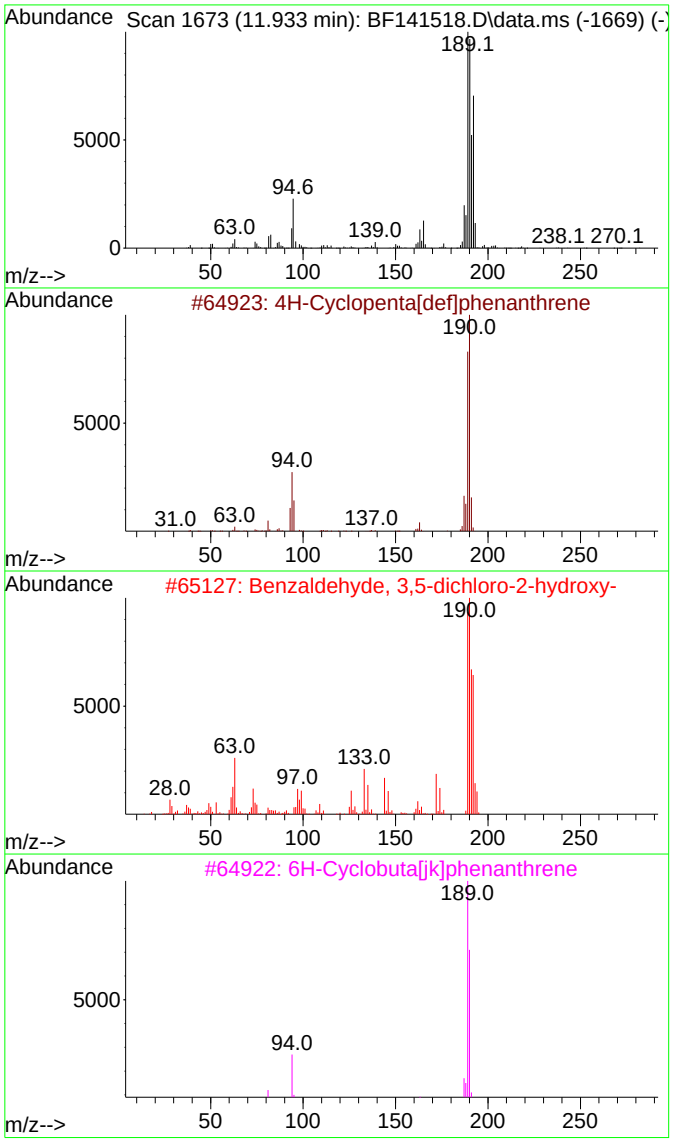
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

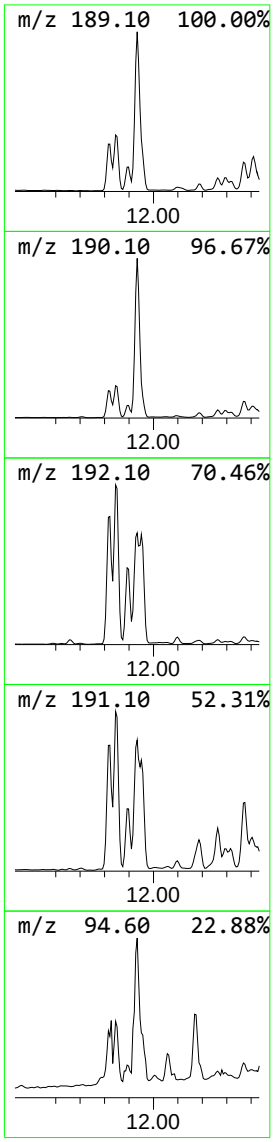
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	7.18 ng	1449710	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	3-Bromo-2-thiophenecarbaldehyde	190	C5H3BrOS	000930-96-1	50
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30





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Acq On : 07 Feb 2025 19:54
Operator : RC/JU
Sample : Q1241-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

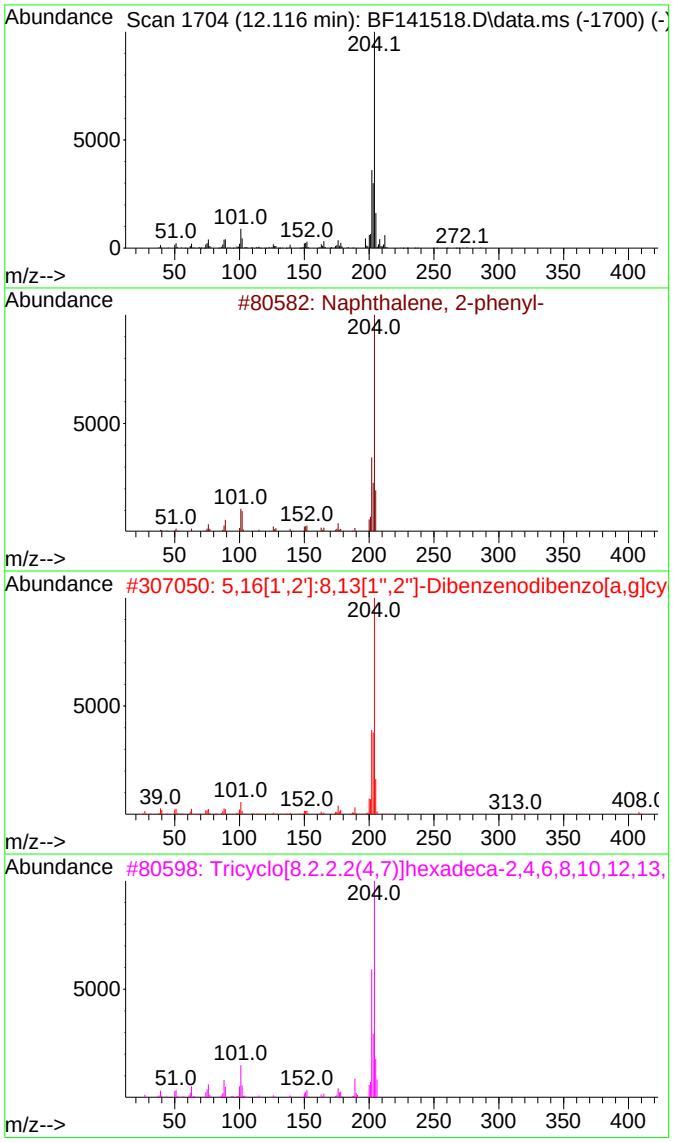
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

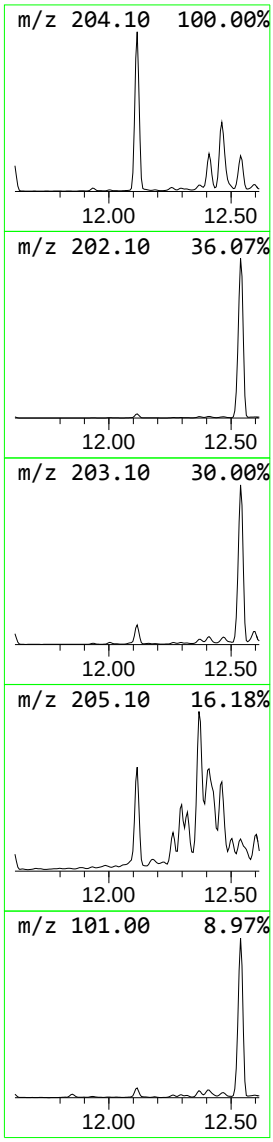
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	2.11 ng	425741	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

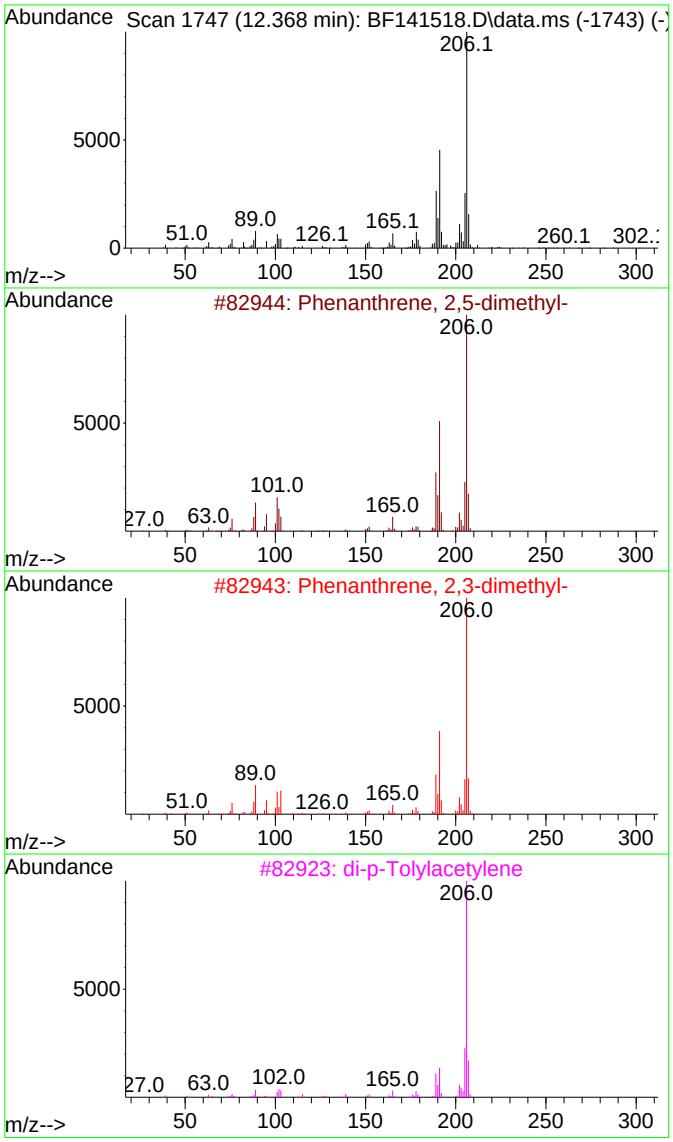
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

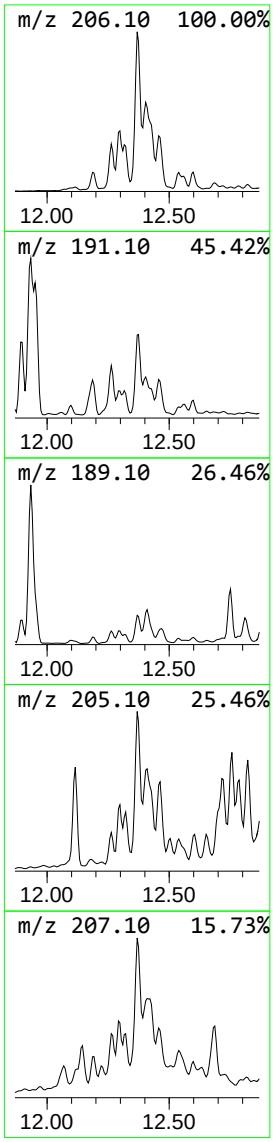
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	2.56 ng	517118	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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ClientSampleId :
JPP-3.5-013025

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

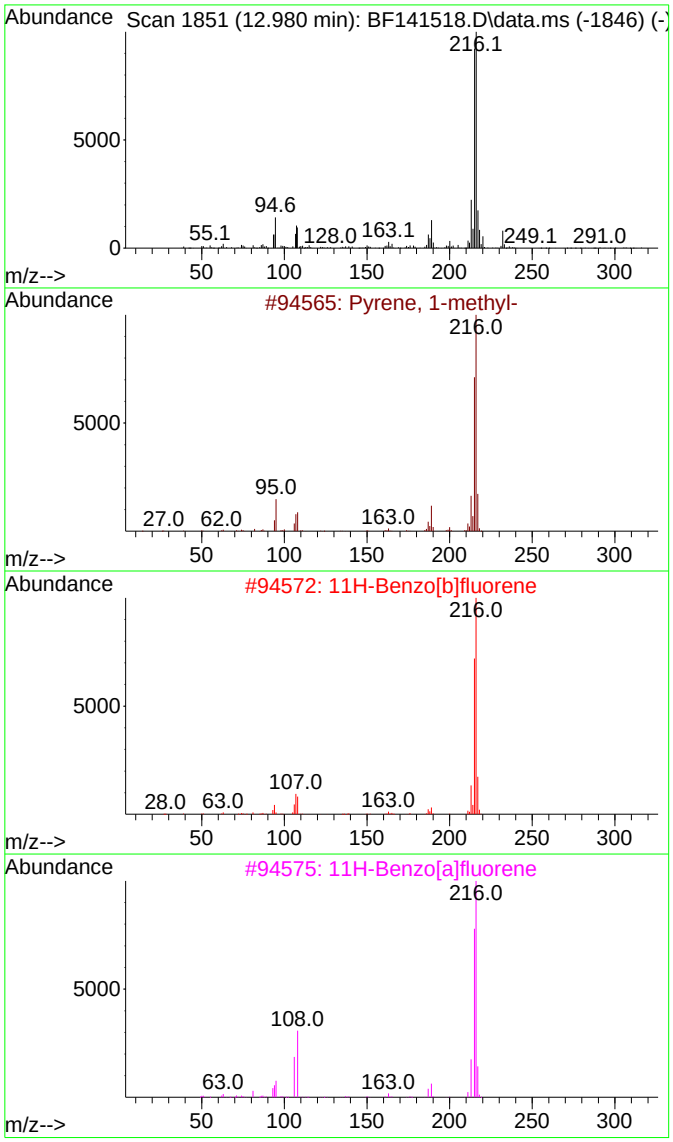
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

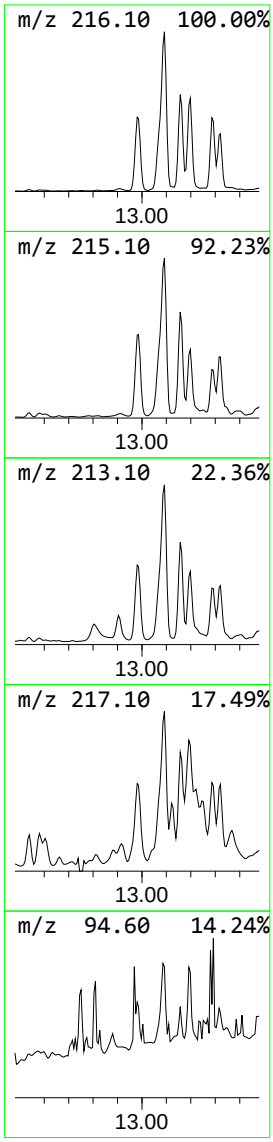
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.980	4.33 ng	600847	Chrysene-d12	13.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Sample : Q1241-03
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ClientSampleId :
JPP-3.5-013025

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

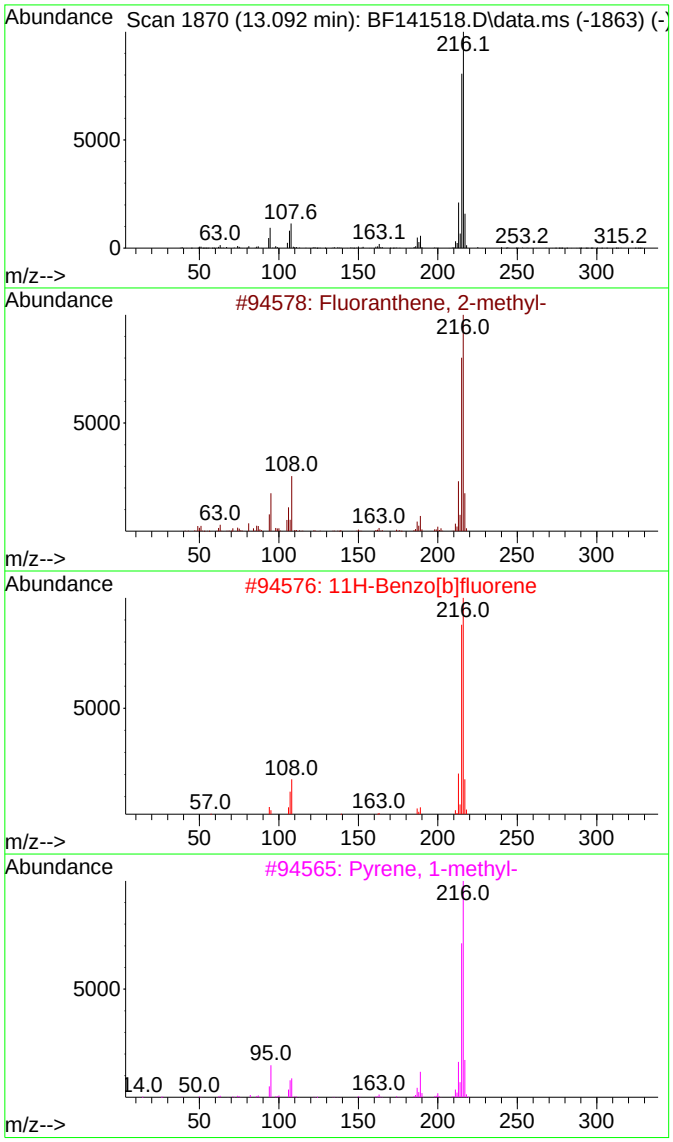
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

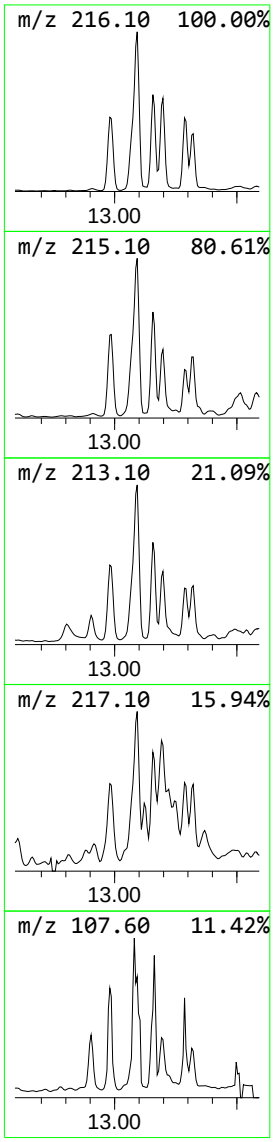
****

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	6.18 ng	857623	Chrysene-d12	13.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	3-Trifluoromethylcinnamic acid	216	C10H7F3O2	000779-89-5	64





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Sample : Q1241-03
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Instrument :
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ClientSampleId :
JPP-3.5-013025

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

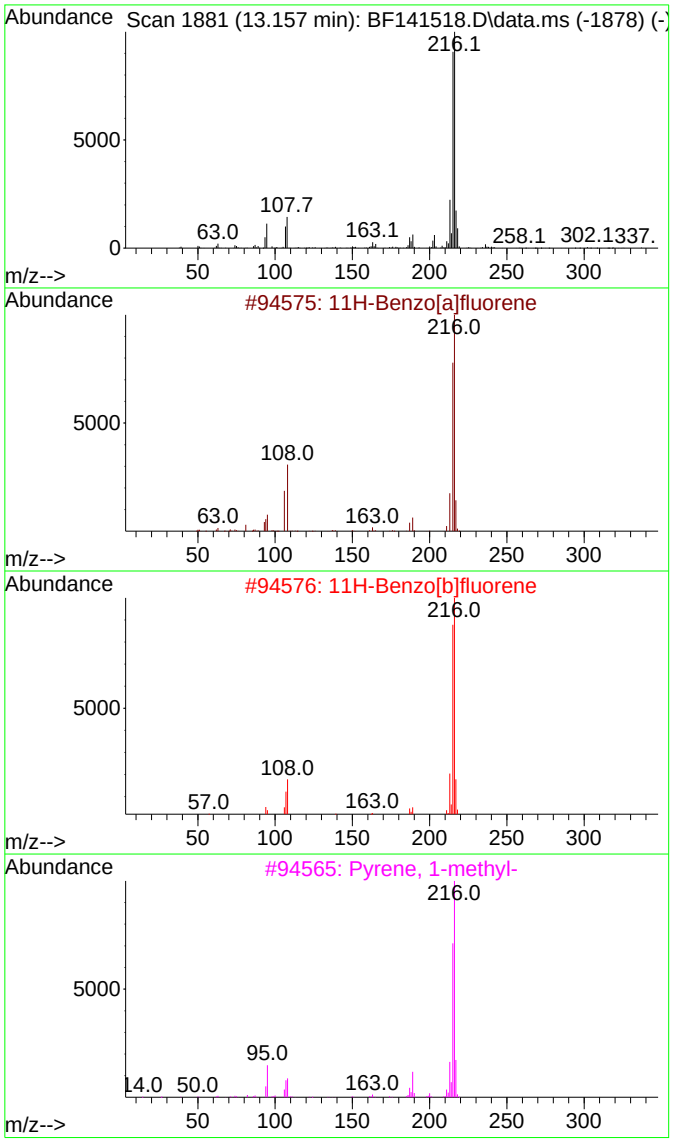
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

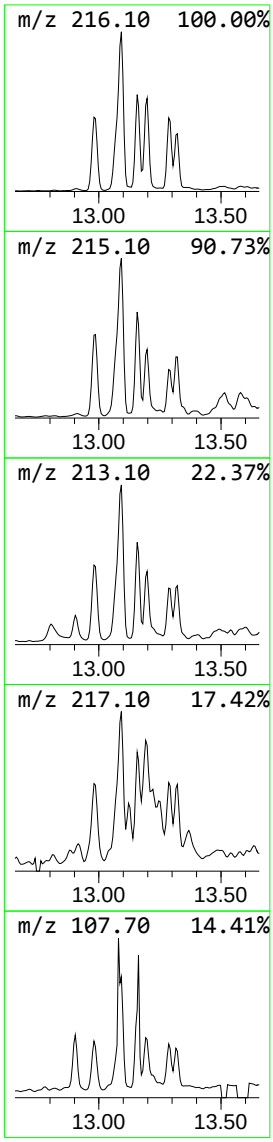
****

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.157	2.38 ng	330335	Chrysene-d12	13.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

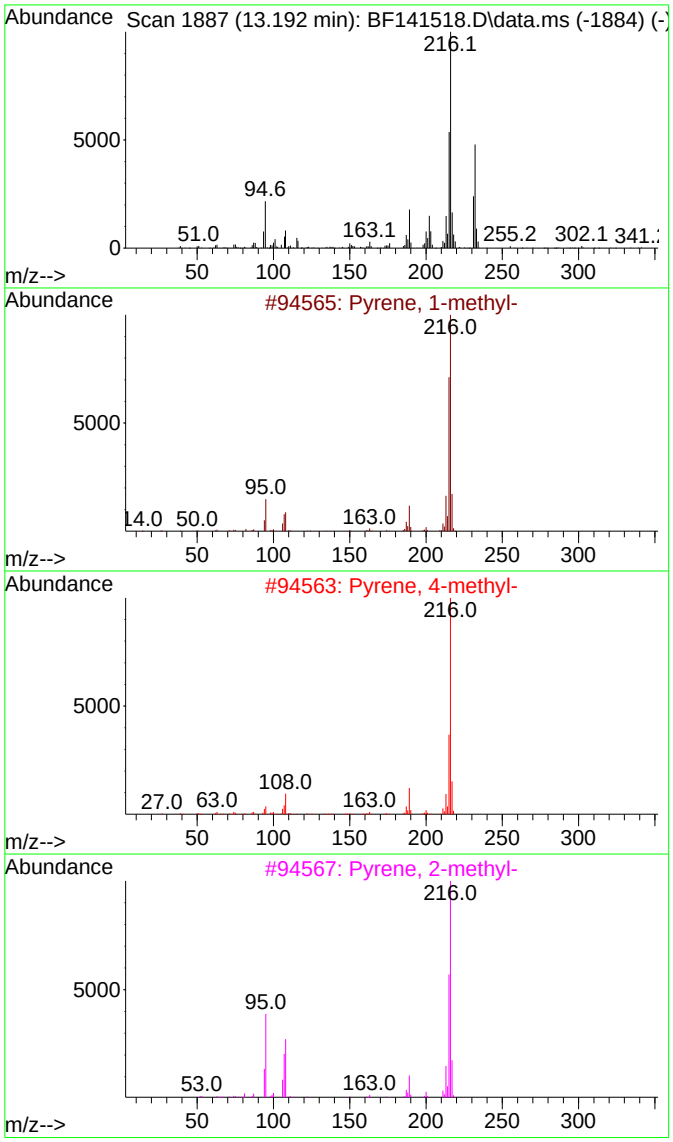
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

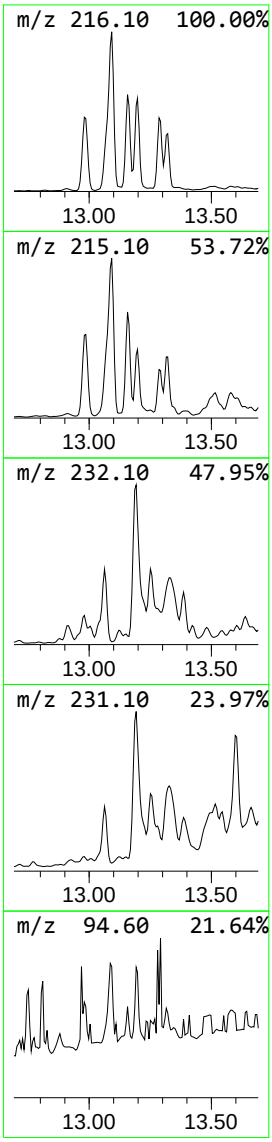
****

Peak Number 15 Pyrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	3.76 ng	521660	Chrysene-d12	13.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55





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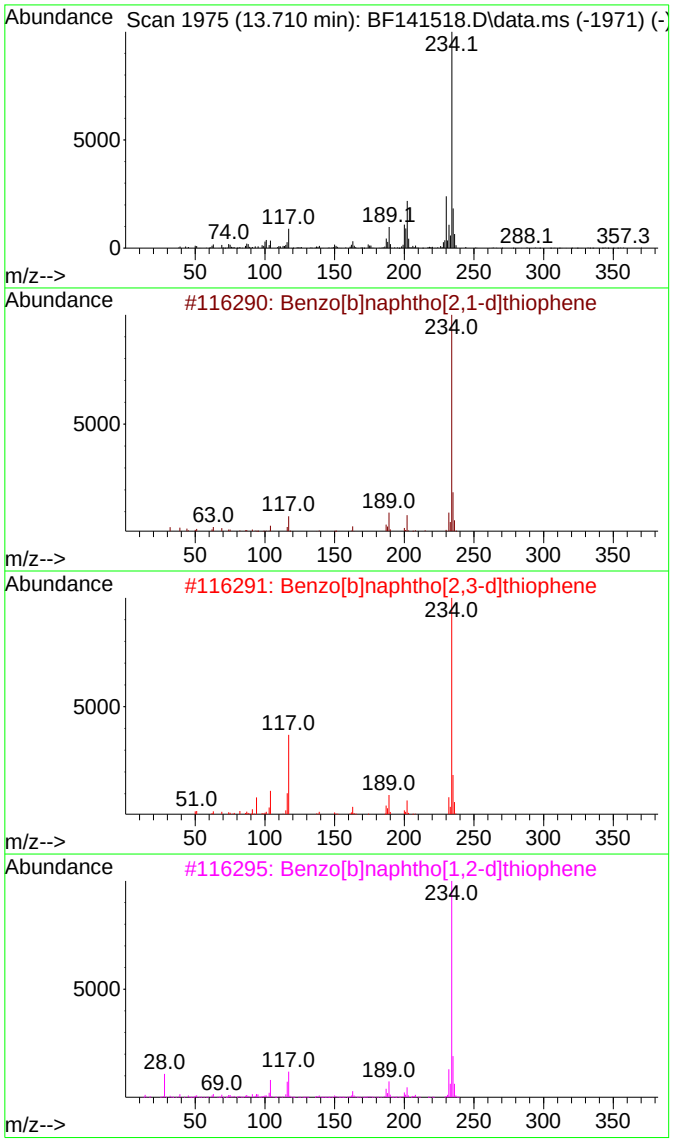
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

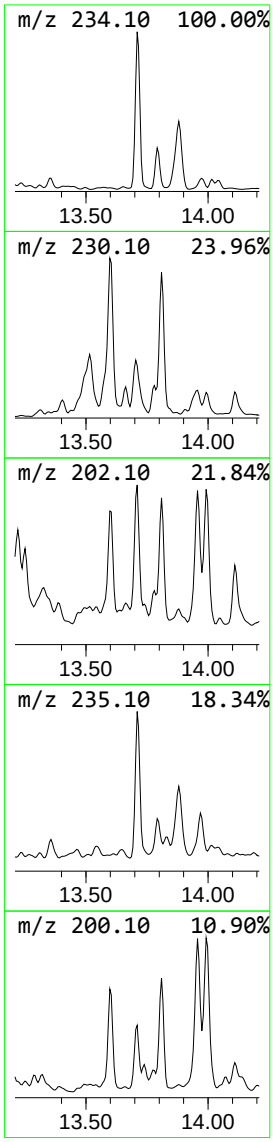
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.710	2.29 ng	317632	Chrysene-d12	13.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	58
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	43





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

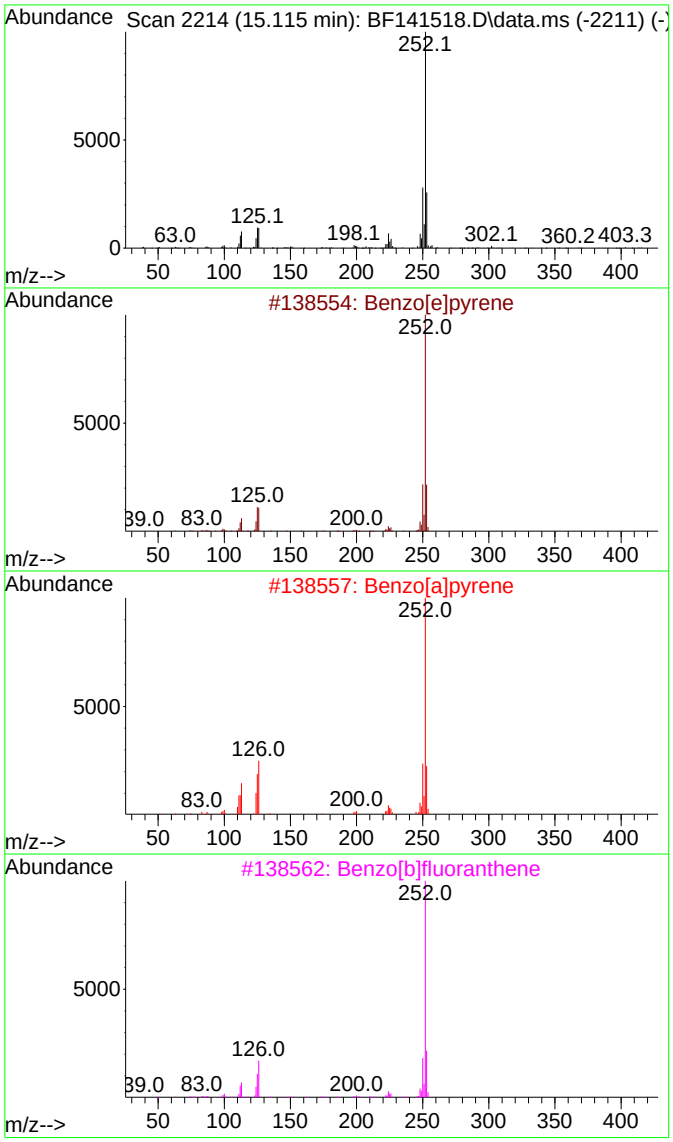
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

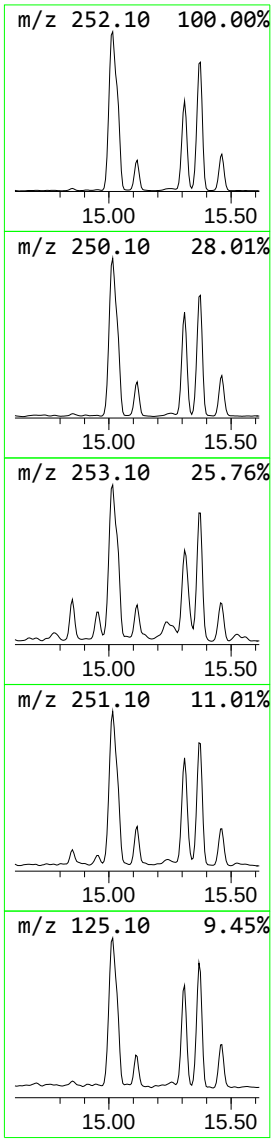
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.115	12.11 ng	172986	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Sample Results: **BF141518.D**

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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

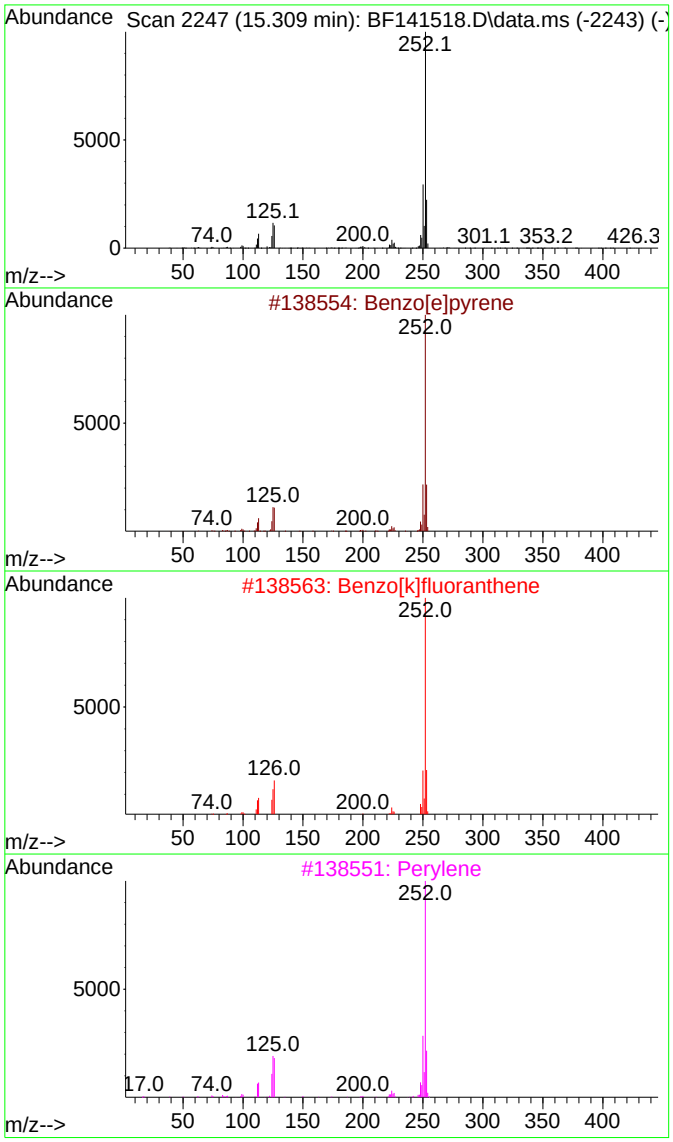
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

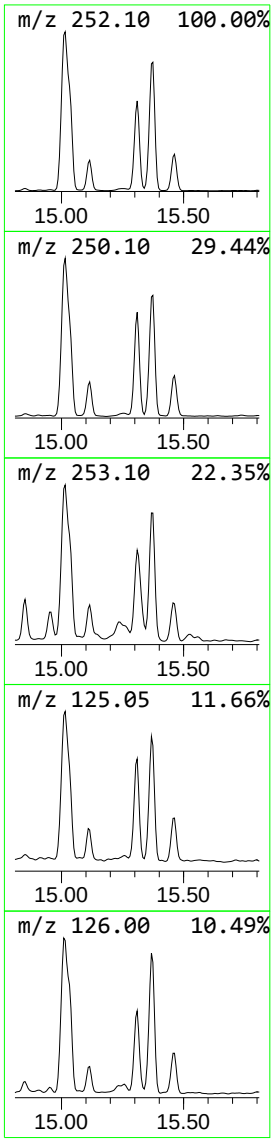
****

Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	53.66 ng	766313	Perylene-d12	15.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	96





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Naphthalene, 2,...	9.486	4.1	ng	149329	3	9.827	724538	20.0
Naphthalene, 1,...	9.604	2.3	ng	84137	3	9.827	724538	20.0
Naphthalene, 2,...	10.233	3.1	ng	111605	3	9.827	724538	20.0
Benzene, [1-(2,...	10.439	3.6	ng	129834	3	9.827	724538	20.0
Benzophenone	10.539	8.0	ng	287895	3	9.827	724538	20.0
Phenanthrene, 1...	11.816	3.2	ng	637639	4	11.316	4038400	20.0
Phenanthrene, 2...	11.851	5.3	ng	1077580	4	11.316	4038400	20.0
4H-Cyclopenta[d...	11.933	7.2	ng	1449710	4	11.316	4038400	20.0
Naphthalene, 2-...	12.116	2.1	ng	425741	4	11.316	4038400	20.0
Phenanthrene, 2...	12.368	2.6	ng	517118	4	11.316	4038400	20.0
Pyrene, 1-methyl-	12.980	4.3	ng	600847	5	13.968	2773790	20.0
Fluoranthene, 2...	13.092	6.2	ng	857623	5	13.968	2773790	20.0
11H-Benzo[a]flu...	13.157	2.4	ng	330335	5	13.968	2773790	20.0
Pyrene, 4-methyl-	13.192	3.8	ng	521660	5	13.968	2773790	20.0
Benzo[b]naphtho...	13.710	2.3	ng	317632	5	13.968	2773790	20.0
Benzo[e]pyrene	15.115	12.1	ng	172986	6	15.427	285612	20.0
Perylene	15.310	53.7	ng	766313	6	15.427	285612	20.0

Raw Data: **BF141546.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025DL	SDG No.:	Q1241
Lab Sample ID:	Q1241-03DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141546.D	5	01/31/25 10:20	02/10/25 20:19	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2000	UD	1100	2000	ug/Kg
108-95-2	Phenol	1000	UD	500	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000	UD	510	1000	ug/Kg
95-57-8	2-Chlorophenol	1000	UD	510	1000	ug/Kg
95-48-7	2-Methylphenol	1000	UD	490	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000	UD	550	1000	ug/Kg
98-86-2	Acetophenone	1000	UDQ	530	1000	ug/Kg
65794-96-9	3+4-Methylphenols	2000	UD	490	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	490	UD	250	490	ug/Kg
67-72-1	Hexachloroethane	1000	UD	500	1000	ug/Kg
98-95-3	Nitrobenzene	1000	UD	550	1000	ug/Kg
78-59-1	Isophorone	1000	UD	510	1000	ug/Kg
88-75-5	2-Nitrophenol	1000	UD	570	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	1000	UD	570	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000	UD	520	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	1000	UD	460	1000	ug/Kg
91-20-3	Naphthalene	1000	UD	500	1000	ug/Kg
106-47-8	4-Chloroaniline	1000	UD	500	1000	ug/Kg
87-68-3	Hexachlorobutadiene	1000	UD	510	1000	ug/Kg
105-60-2	Caprolactam	2000	UD	530	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000	UD	470	1000	ug/Kg
91-57-6	2-Methylnaphthalene	1000	UD	500	1000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	UDQ	950	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000	UD	430	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000	UD	450	1000	ug/Kg
92-52-4	1,1-Biphenyl	1000	UD	530	1000	ug/Kg
91-58-7	2-Chloronaphthalene	1000	UD	510	1000	ug/Kg
88-74-4	2-Nitroaniline	1000	UD	580	1000	ug/Kg
131-11-3	Dimethylphthalate	1000	UD	500	1000	ug/Kg

Raw Data: **BF141546.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025DL	SDG No.:	Q1241
Lab Sample ID:	Q1241-03DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141546.D	5	01/31/25 10:20	02/10/25 20:19	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1000	UD	530	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000	UD	510	1000	ug/Kg
99-09-2	3-Nitroaniline	1000	UD	540	1000	ug/Kg
83-32-9	Acenaphthene	1000	UD	490	1000	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	UD	1500	2000	ug/Kg
100-02-7	4-Nitrophenol	2000	UD	710	2000	ug/Kg
132-64-9	Dibenzofuran	1000	UD	510	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000	UD	520	1000	ug/Kg
84-66-2	Diethylphthalate	1000	UD	490	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000	UD	520	1000	ug/Kg
86-73-7	Fluorene	590	JD	520	1000	ug/Kg
100-01-6	4-Nitroaniline	1000	UD	650	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000	UD	710	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000	UD	500	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000	UD	480	1000	ug/Kg
118-74-1	Hexachlorobenzene	1000	UD	520	1000	ug/Kg
1912-24-9	Atrazine	1000	UD	560	1000	ug/Kg
87-86-5	Pentachlorophenol	2000	UD	470	2000	ug/Kg
85-01-8	Phenanthrene	5400	D	510	1000	ug/Kg
120-12-7	Anthracene	1400	D	510	1000	ug/Kg
86-74-8	Carbazole	1000	UD	490	1000	ug/Kg
84-74-2	Di-n-butylphthalate	1000	UD	510	1000	ug/Kg
206-44-0	Fluoranthene	6200	D	500	1000	ug/Kg
129-00-0	Pyrene	4800	D	500	1000	ug/Kg
85-68-7	Butylbenzylphthalate	1000	UD	590	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000	UD	600	2000	ug/Kg
56-55-3	Benzo(a)anthracene	3600	D	490	1000	ug/Kg
218-01-9	Chrysene	3200	D	480	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000	UD	550	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	2000	UD	670	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	3600	D	490	1000	ug/Kg

Raw Data: **BF141546.D**

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025DL	SDG No.:	Q1241
Lab Sample ID:	Q1241-03DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141546.D	5	01/31/25 10:20	02/10/25 20:19	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800	D	500	1000	ug/Kg
50-32-8	Benzo(a)pyrene	3300	D	570	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300	D	470	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000	UD	490	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400	D	490	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000	UD	530	1000	ug/Kg
123-91-1	1,4-Dioxane	1000	UD	670	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000	UD	450	1000	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		18 - 112	67%	SPK: 150
13127-88-3	Phenol-d6	100		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.9		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.9		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.9		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	44.5		10 - 105	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	76100	6.787			
1146-65-2	Naphthalene-d8	302000	8.069			
15067-26-2	Acenaphthene-d10	159000	9.822			
1517-22-2	Phenanthrene-d10	223000	11.31			
1719-03-5	Chrysene-d12	183000	13.951			
1520-96-3	Perylene-d12	165000	15.404			

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

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

Sample Results: **BF141546.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141546.D
Acq On : 10 Feb 2025 20:19
Operator : RC/JU
Sample : Q1241-03DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

Quant Time: Feb 11 00:09:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	76076	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	302314	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	158827	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	223216	20.000	ng		0.00
76) Chrysene-d12	13.951	240	183040	20.000	ng		-0.01
86) Perylene-d12	15.404	264	164548	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	98059	20.208	ng		0.00
7) Phenol-d6	6.422	99	123171	20.082	ng		-0.02
23) Nitrobenzene-d5	7.345	82	78731	13.583	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	25174	15.778	ng		-0.02
45) 2-Fluorobiphenyl	9.139	172	133807	12.979	ng		-0.01
79) Terphenyl-d14	12.892	244	96439	8.895	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.087	128	31997	2.033	ng		99
52) Acenaphthene	9.851	154	19368	2.127	ng		97
58) Fluorene	10.369	166	29838	2.887	ng		96
71) Phenanthrene	11.333	178	330203	26.874	ng		99
72) Anthracene	11.381	178	87525	7.086	ng		98
75) Fluoranthene	12.522	202	397571	30.520	ng		99
78) Pyrene	12.751	202	370301	23.765	ng		99
81) Benzo(a)anthracene	13.939	228	218530	17.960	ng		97
83) Chrysene	13.974	228	177676	15.815	ng		97
87) Indeno(1,2,3-cd)pyrene	16.833	276	64598	6.354	ng		96
88) Benzo(b)fluoranthene	14.986	252	198364m	17.954	ng		
89) Benzo(k)fluoranthene	14.998	252	86035m	9.119	ng		
90) Benzo(a)pyrene	15.339	252	144649	16.180	ng	#	95
91) Dibenzo(a,h)anthracene	16.845	278	18360	2.229	ng	#	84
92) Benzo(g,h,i)perylene	17.268	276	59314	6.880	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141546.D
Acq On : 10 Feb 2025 20:19
Operator : RC/JU
Sample : Q1241-03DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 11 00:09:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Manual Integrations APPROVED

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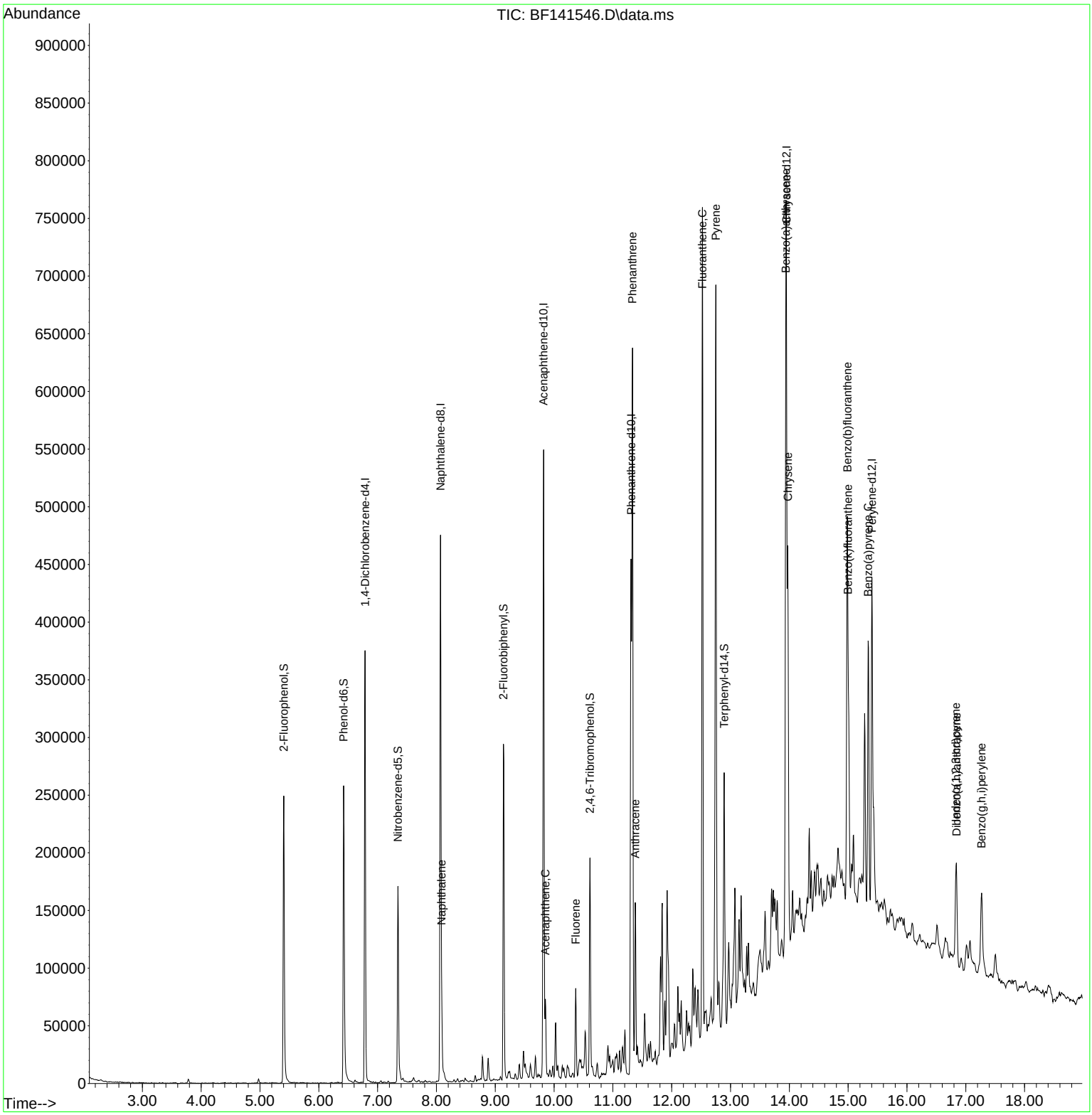
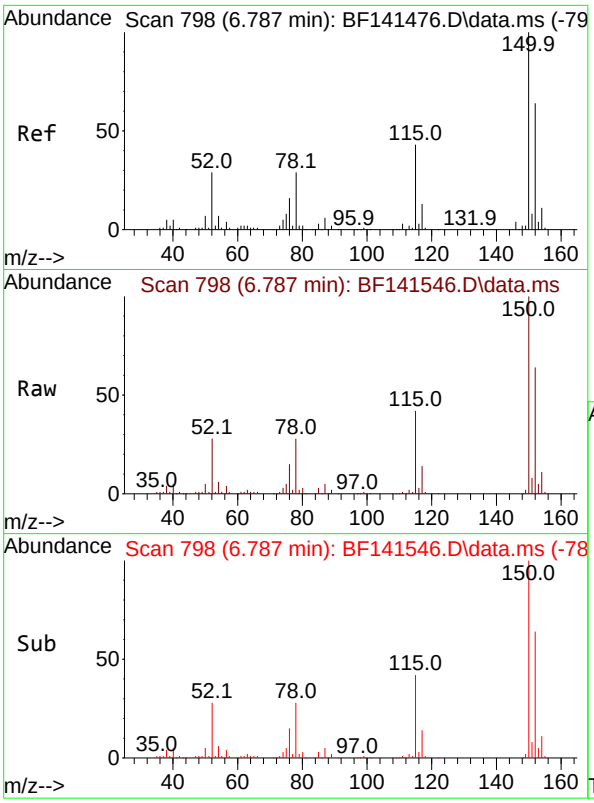
Supervised By :Jagrut Upadhyay 02/11/2025

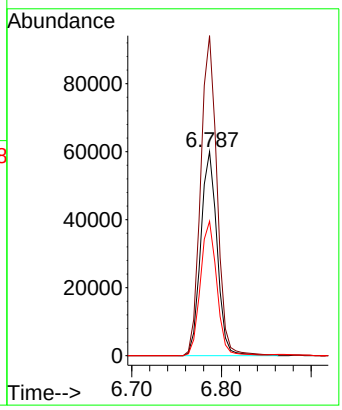




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:152 Resp: 7607

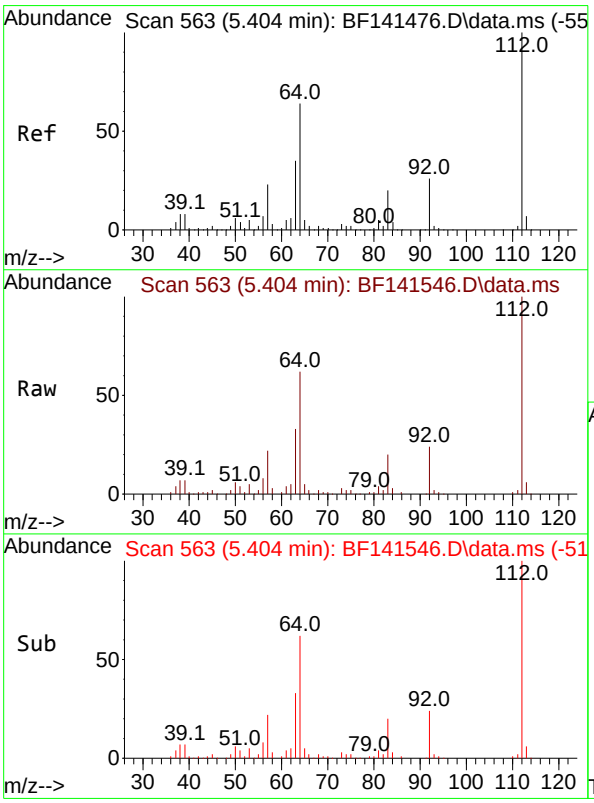
Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.0	187.4
115	65.8	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Manual Integrations
APPROVED

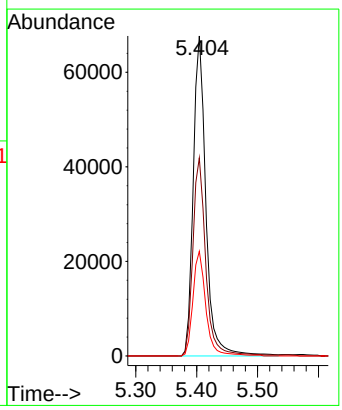
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

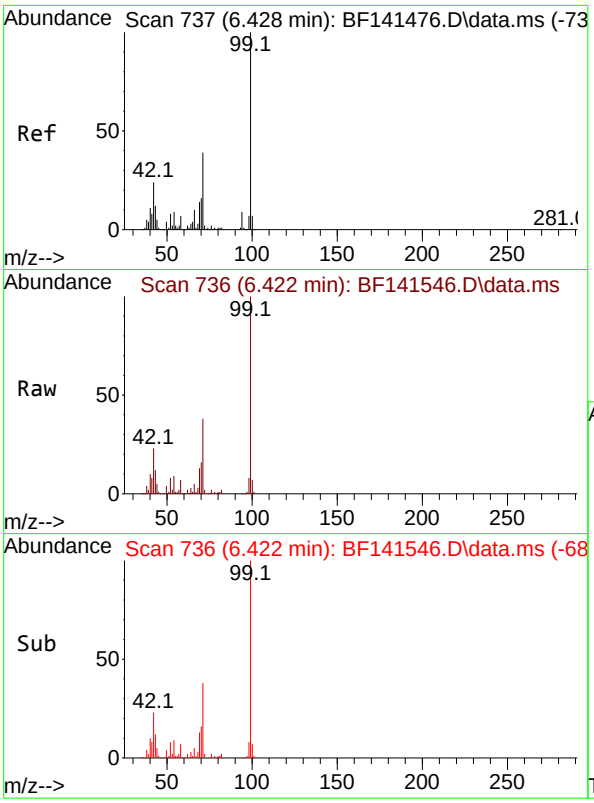


#5
2-Fluorophenol
Concen: 20.208 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:112 Resp: 98059

Ion	Ratio	Lower	Upper
112	100		
64	61.9	51.1	76.7
63	32.7	28.4	42.6

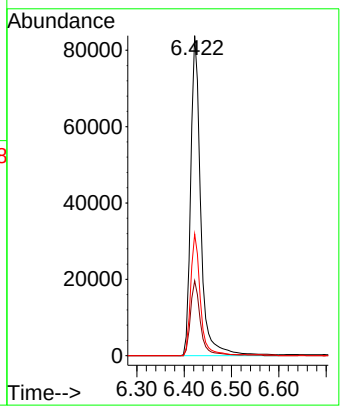




#7
Phenol-d6
Concen: 20.082 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion: 99 Resp: 12317

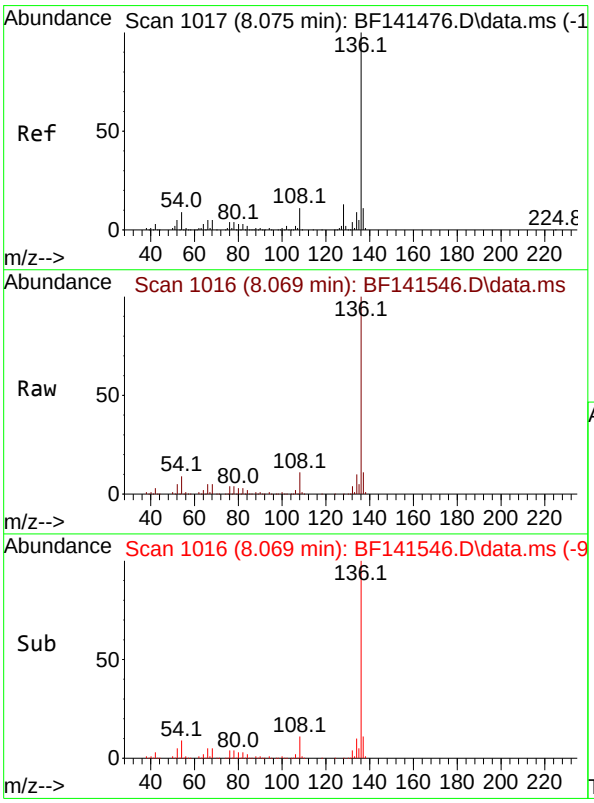
Ion	Ratio	Lower	Upper
99	100		
42	23.4	19.1	28.7
71	38.0	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Manual Integrations
APPROVED

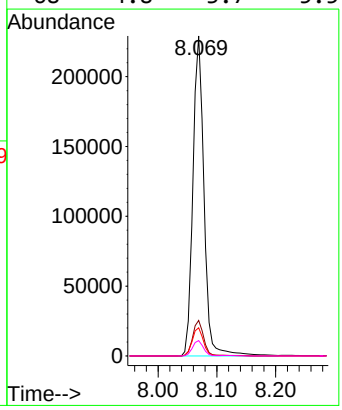
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

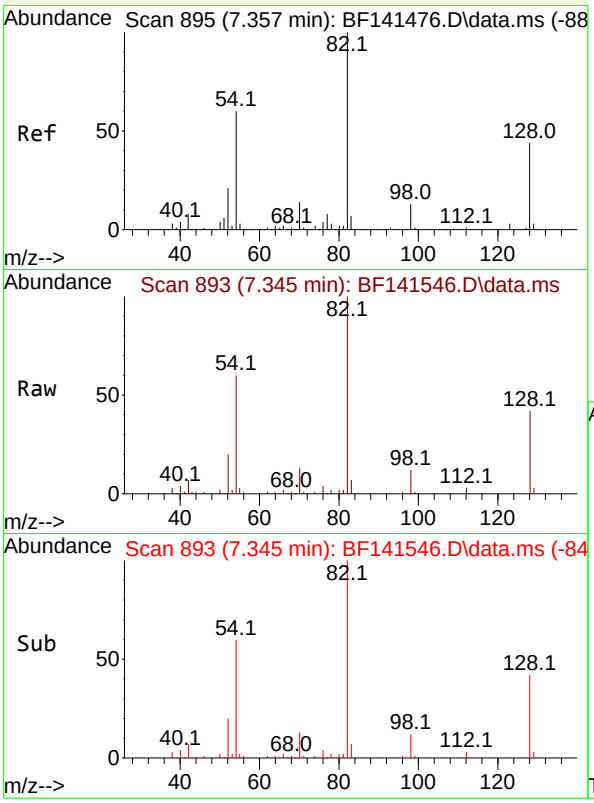


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:136 Resp: 302314

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5

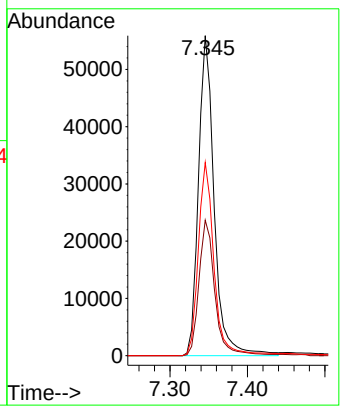




#23
Nitrobenzene-d5
Concen: 13.583 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion: 82 Resp: 7873

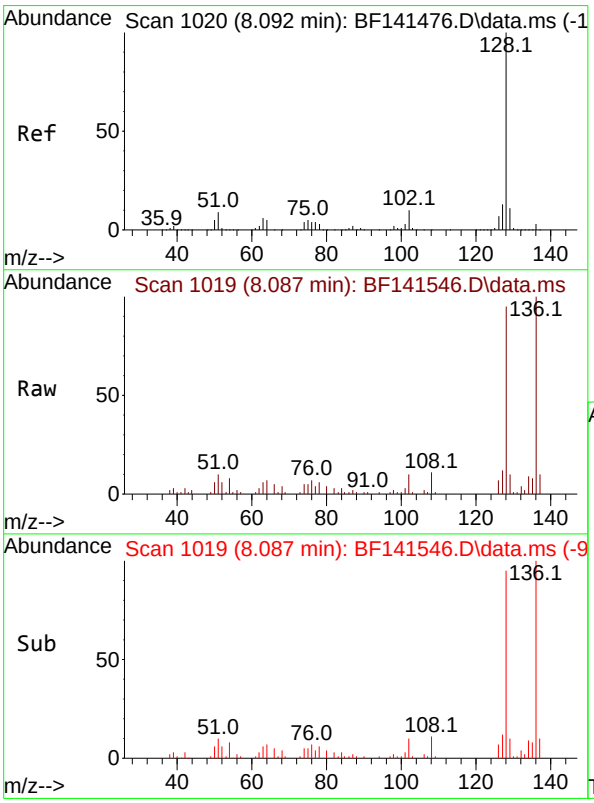
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	60.3	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Manual Integrations
APPROVED

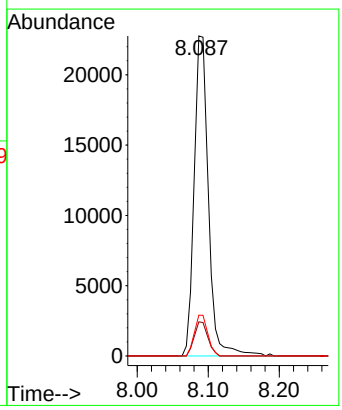
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

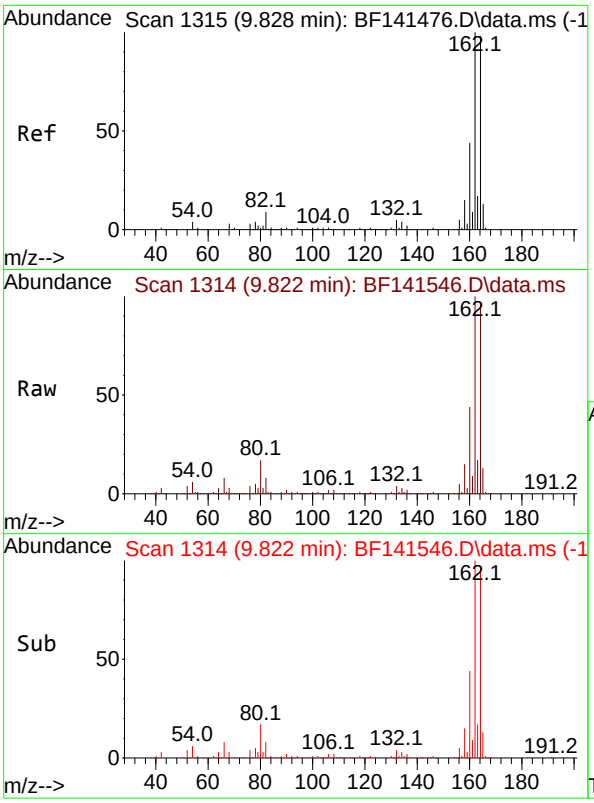


#31
Naphthalene
Concen: 2.033 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:128 Resp: 31997

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.7	10.7	16.1

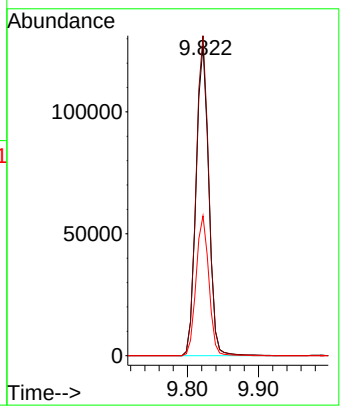




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:164 Resp: 15882

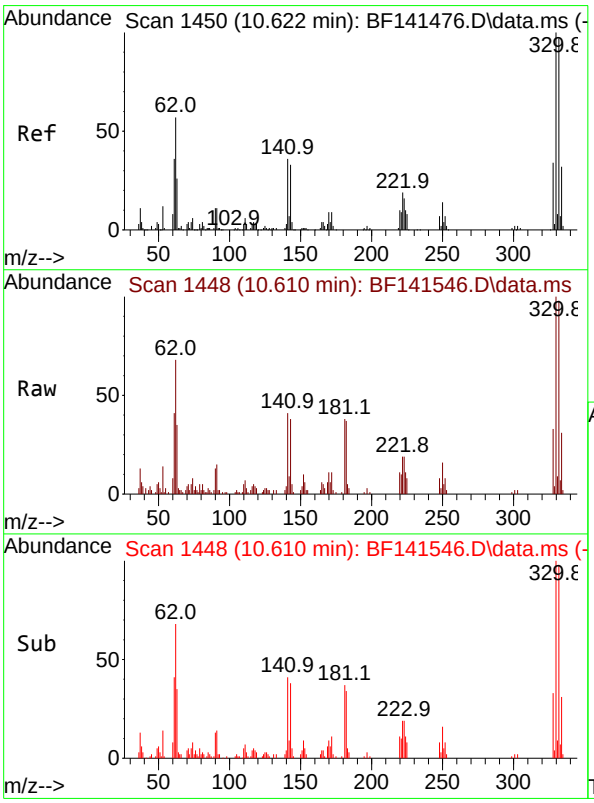
Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.3	121.9
160	45.1	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Manual Integrations
APPROVED

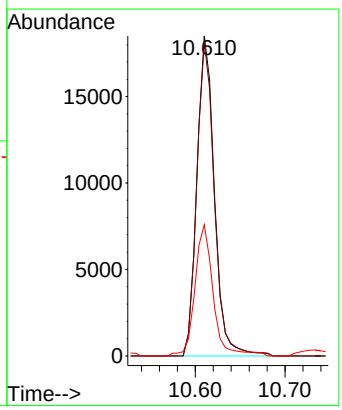
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

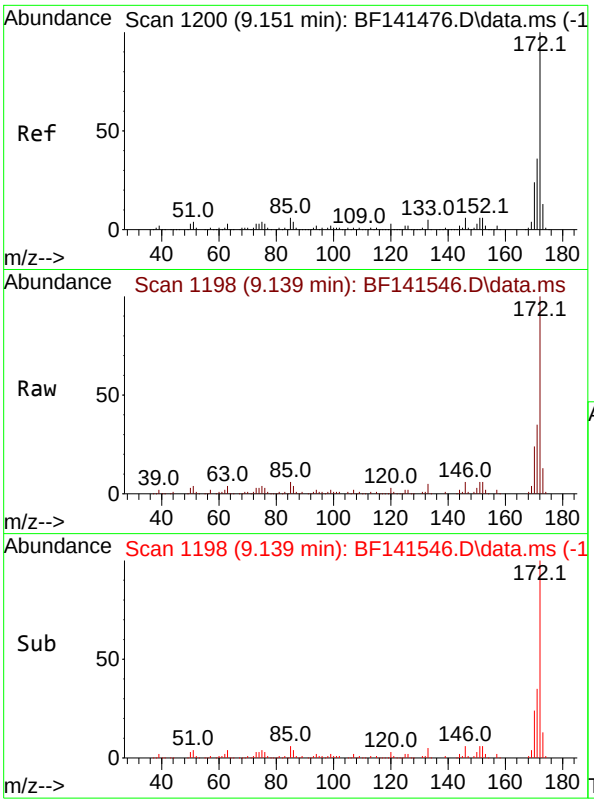


#42
2,4,6-Tribromophenol
Concen: 15.778 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:330 Resp: 25174

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.5	117.7
141	42.5	31.0	46.4

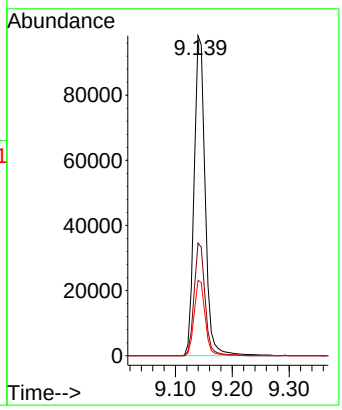




#45
2-Fluorobiphenyl
Concen: 12.979 ng
RT: 9.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:172 Resp: 13380

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	23.6	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

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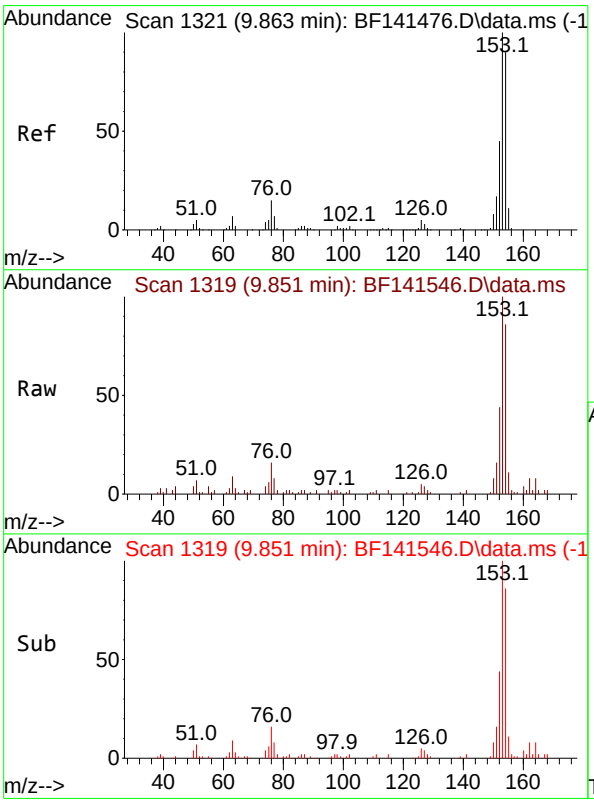
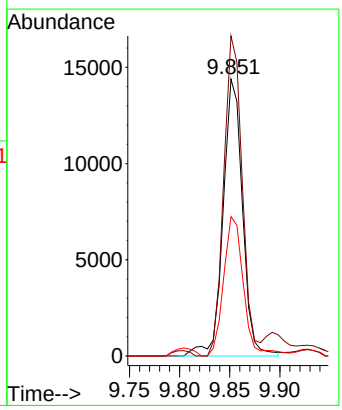
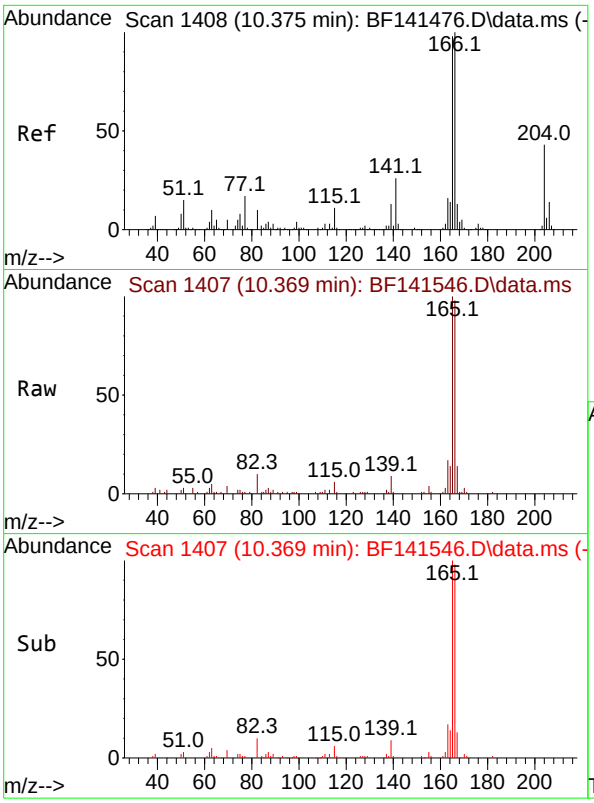


#52
Acenaphthene
Concen: 2.127 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:154 Resp: 19368

Ion	Ratio	Lower	Upper
154	100		
153	115.6	89.2	133.8
152	50.3	39.8	59.8





#58
Fluorene
Concen: 2.887 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:166 Resp: 2983

Ion	Ratio	Lower	Upper
166	100		
165	102.0	78.2	117.2
167	13.9	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

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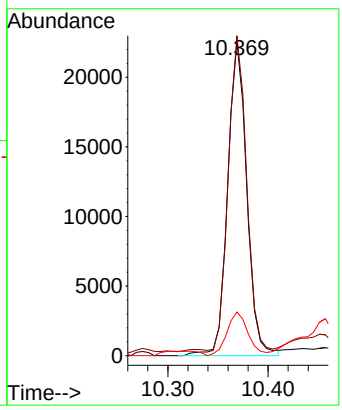
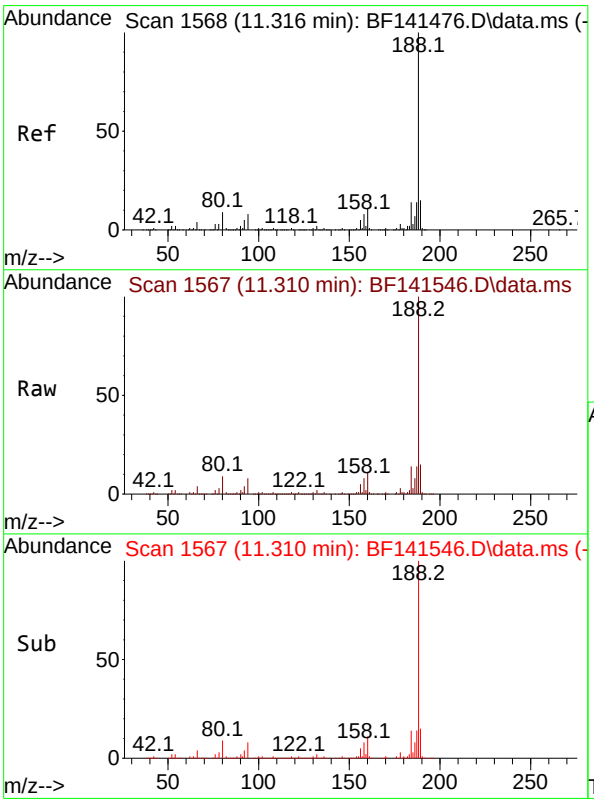
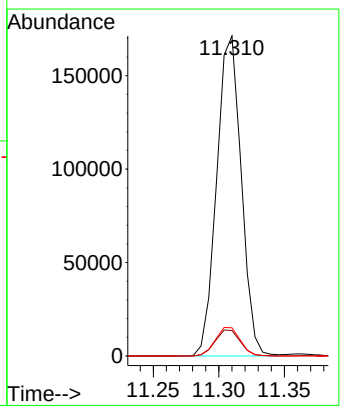


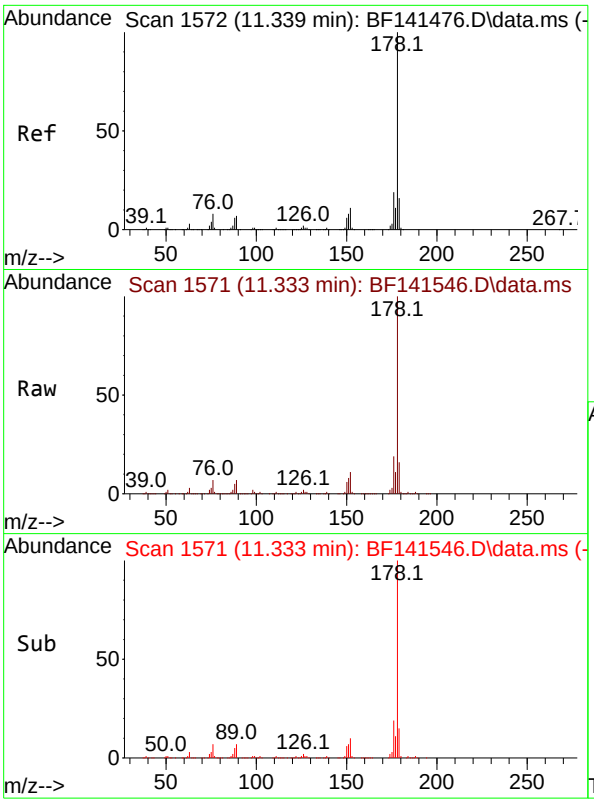


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:188 Resp: 223216

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.6	10.0
80	8.8	7.3	10.9

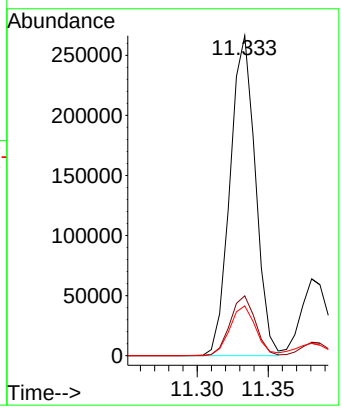




#71
Phenanthrene
Concen: 26.874 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:178 Resp: 33020

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.5	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
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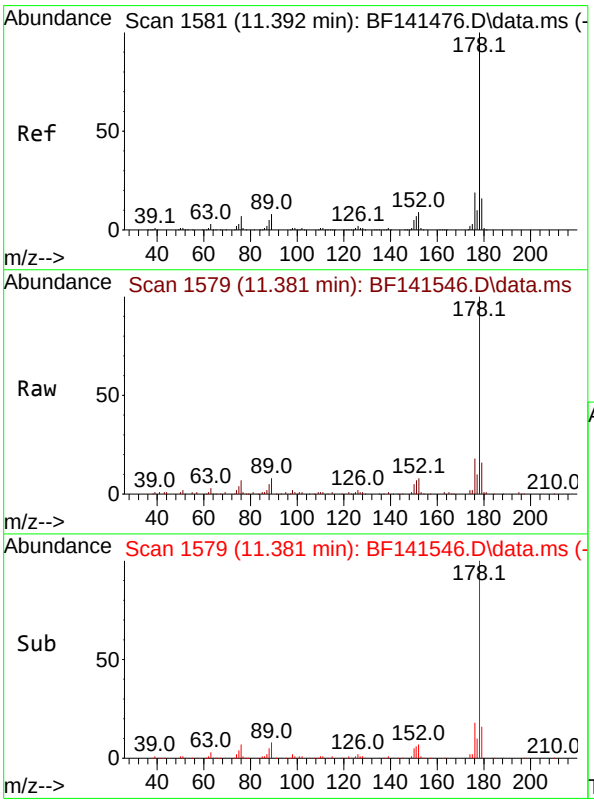
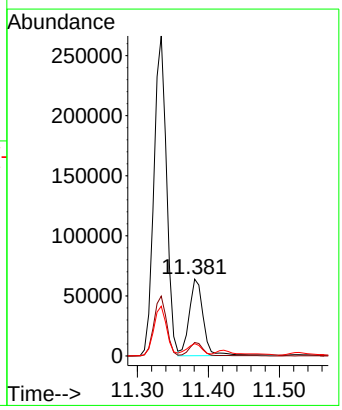
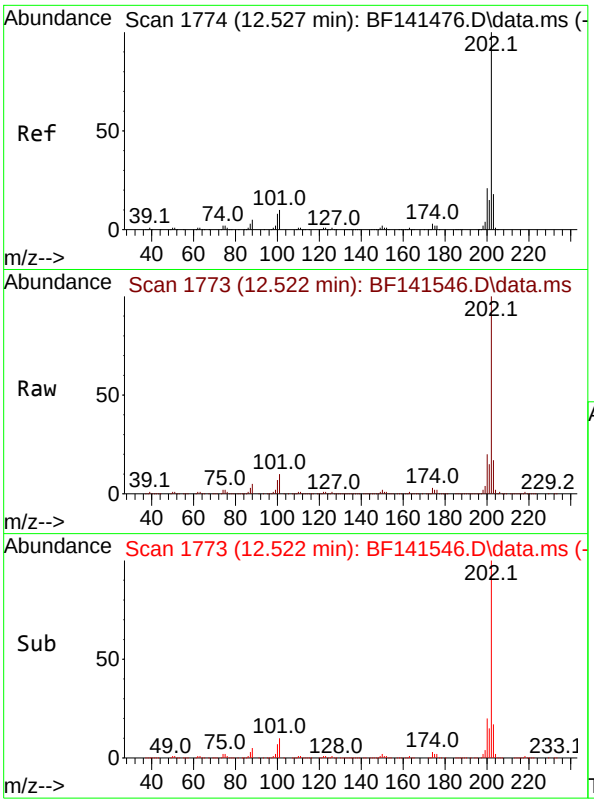


#72
Anthracene
Concen: 7.086 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:178 Resp: 87525

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	16.1	12.4	18.6

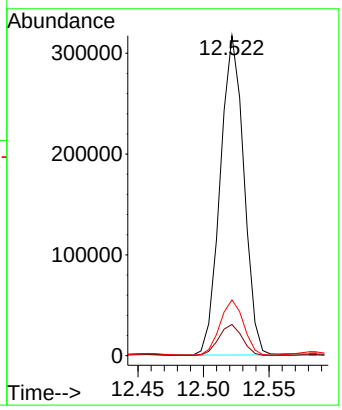




#75
Fluoranthene
Concen: 30.520 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:202 Resp: 39757

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.2
203	17.4	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
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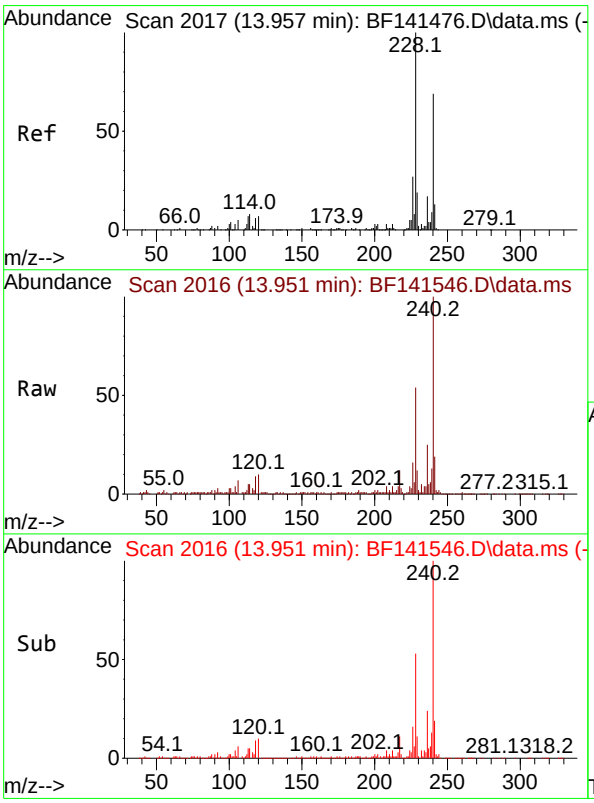
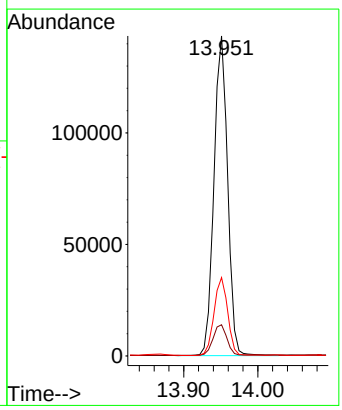
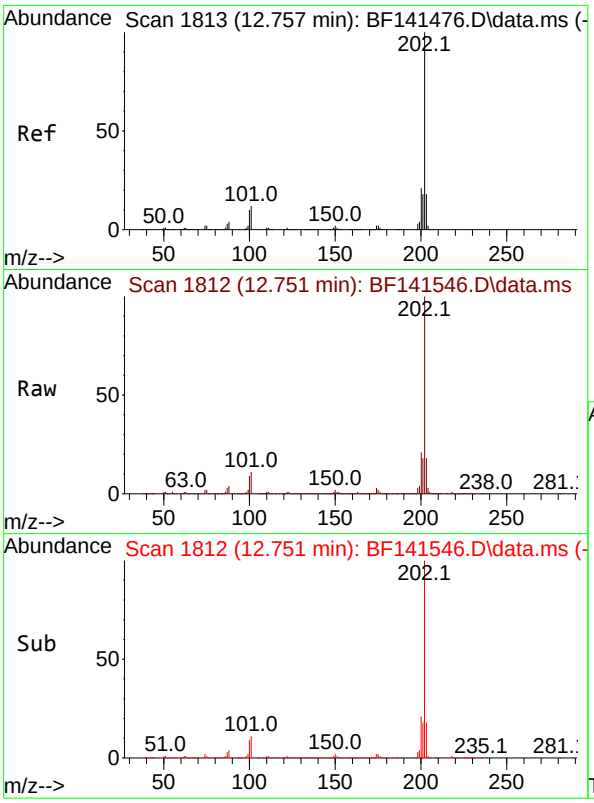


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:240 Resp: 183040

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	24.5	19.8	29.8

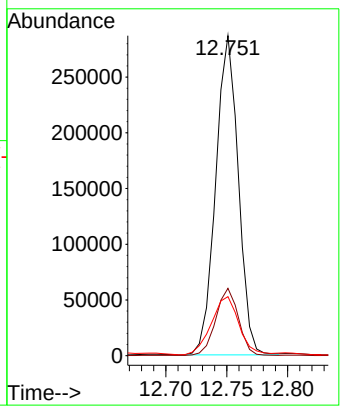




#78
Pyrene
Concen: 23.765 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:202 Resp: 37030

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	18.5	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

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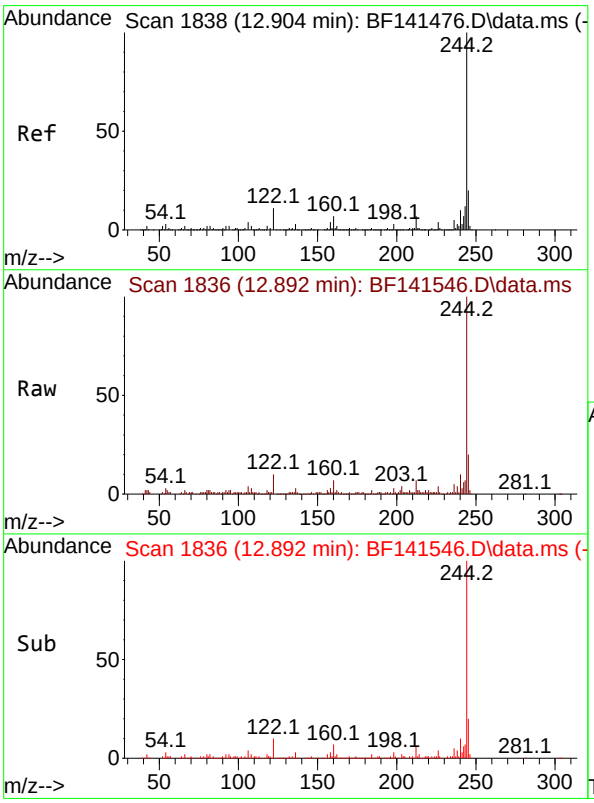
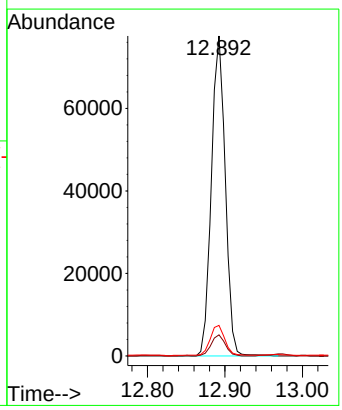
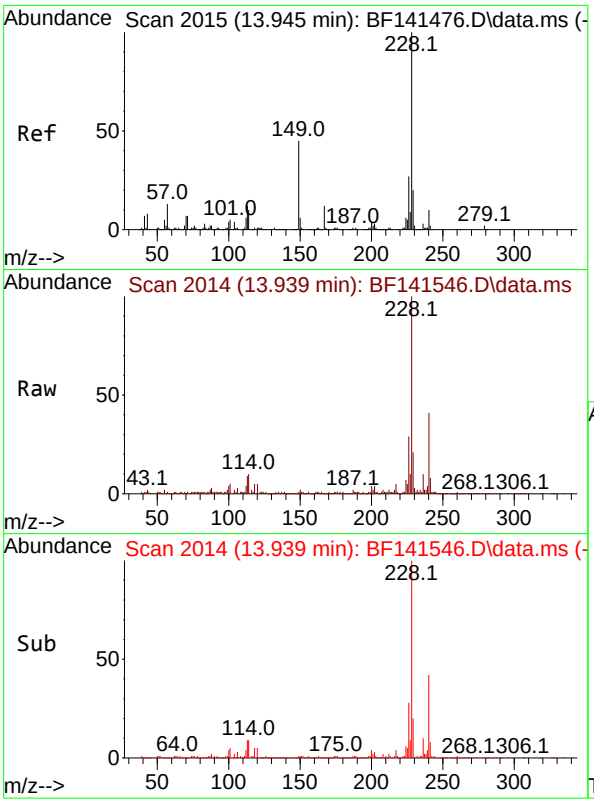


#79
Terphenyl-d14
Concen: 8.895 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:244 Resp: 96439

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	9.6	8.4	12.6





#81
Benzo(a)anthracene
Concen: 17.960 ng
RT: 13.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:228 Resp: 21853

Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.8
229	21.2	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

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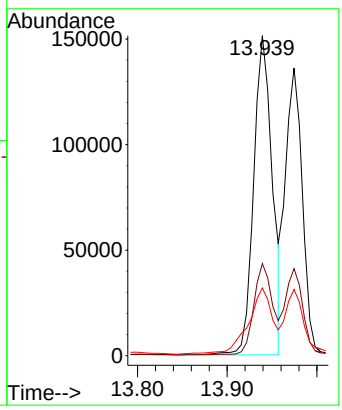
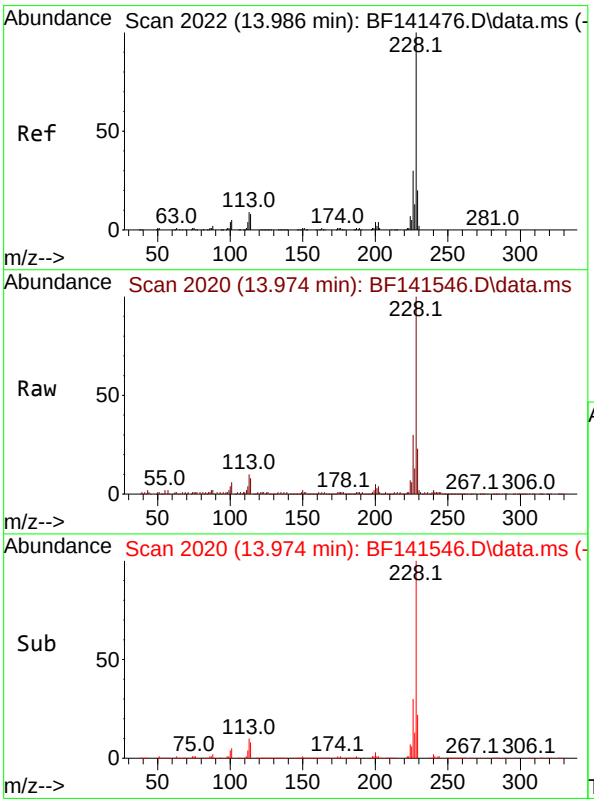
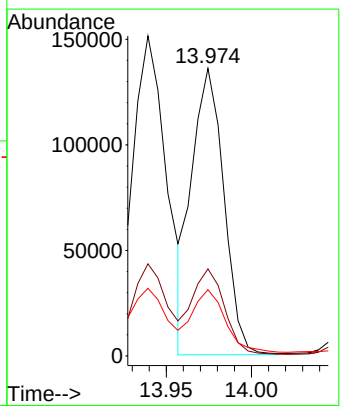


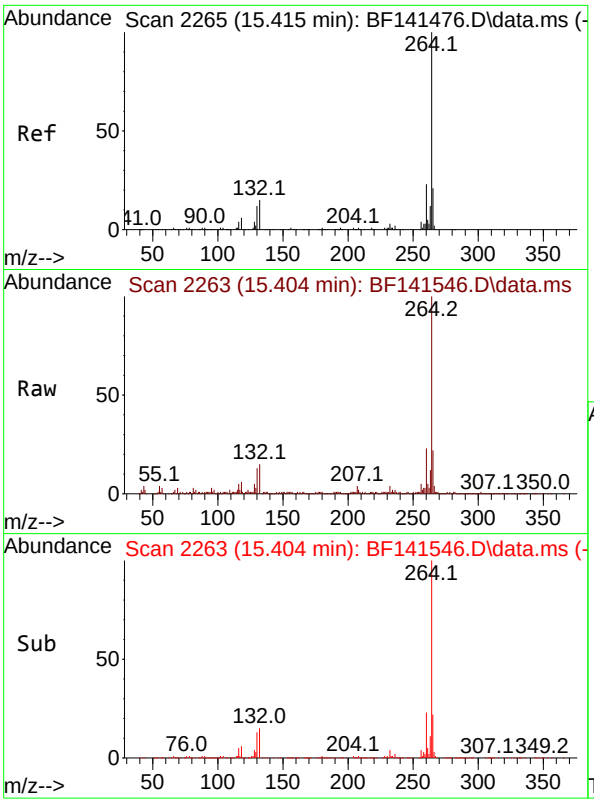


#83
Chrysene
Concen: 15.815 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:228 Resp: 177676

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	23.0	15.7	23.5

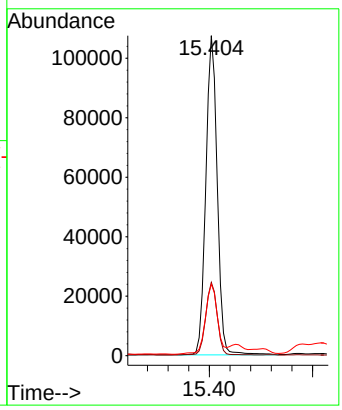




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:264 Resp: 16454

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	22.4	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

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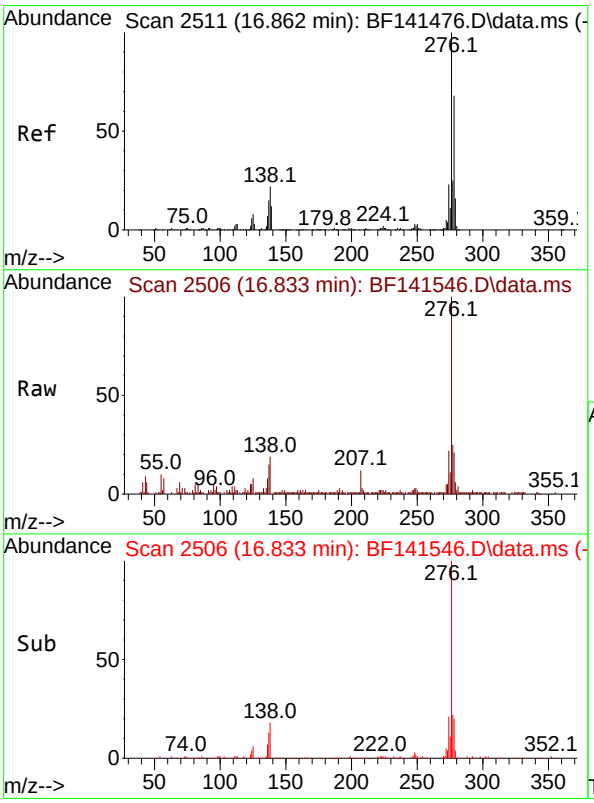
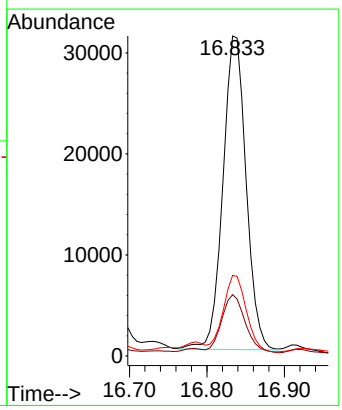
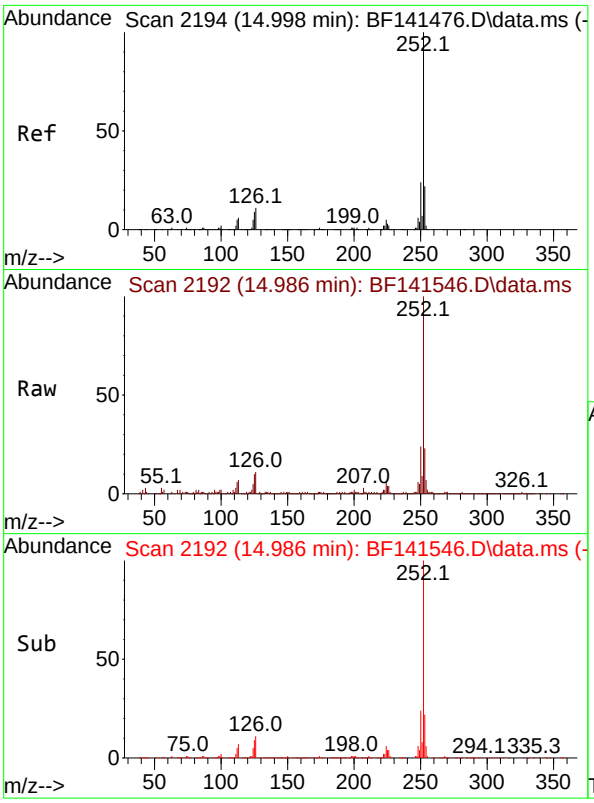


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.354 ng
RT: 16.833 min Scan# 2506
Delta R.T. -0.041 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:276 Resp: 64598

Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.0	27.0
277	24.8	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 17.954 ng m
RT: 14.986 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:252 Resp: 19836

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.0	7.0	10.6

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Manual Integrations
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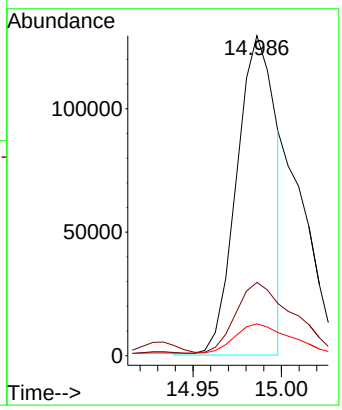
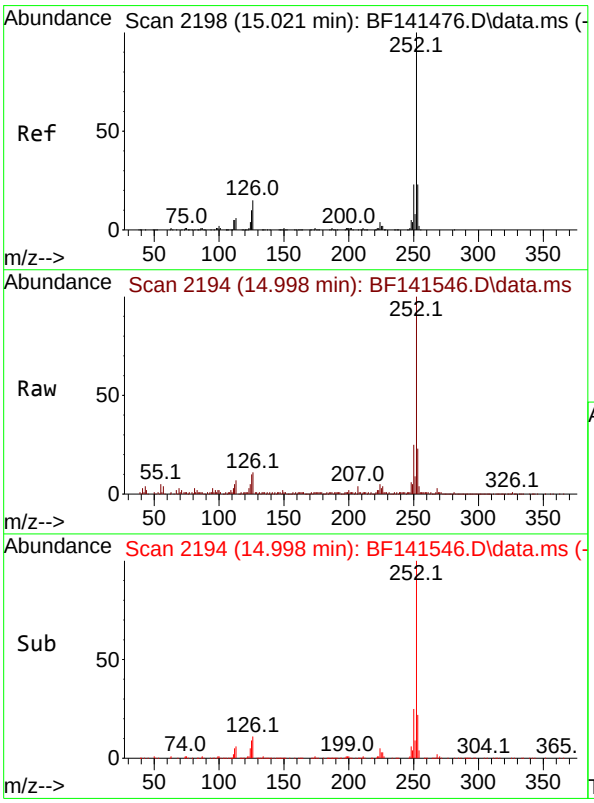
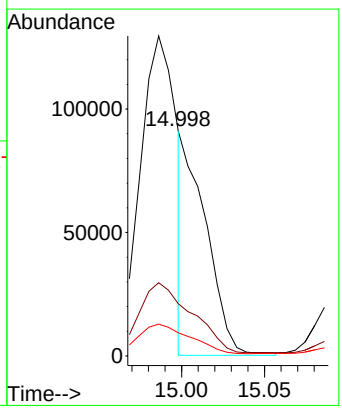


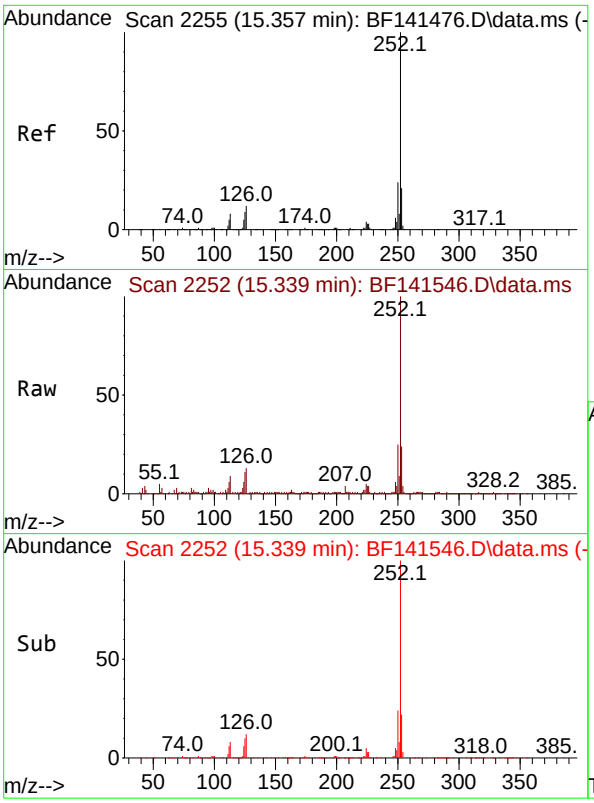


#89
Benzo(k)fluoranthene
Concen: 9.119 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.035 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:252 Resp: 86035

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	10.3	7.4	11.0





#90
Benzo(a)pyrene
Concen: 16.180 ng
RT: 15.339 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:252 Resp: 14464

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	11.4	7.4	11.2#

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

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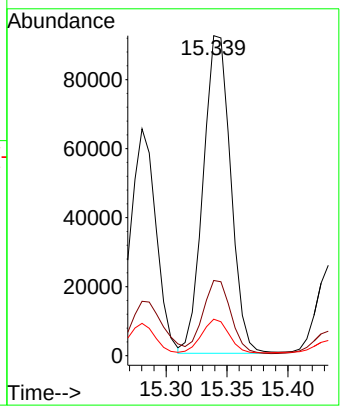
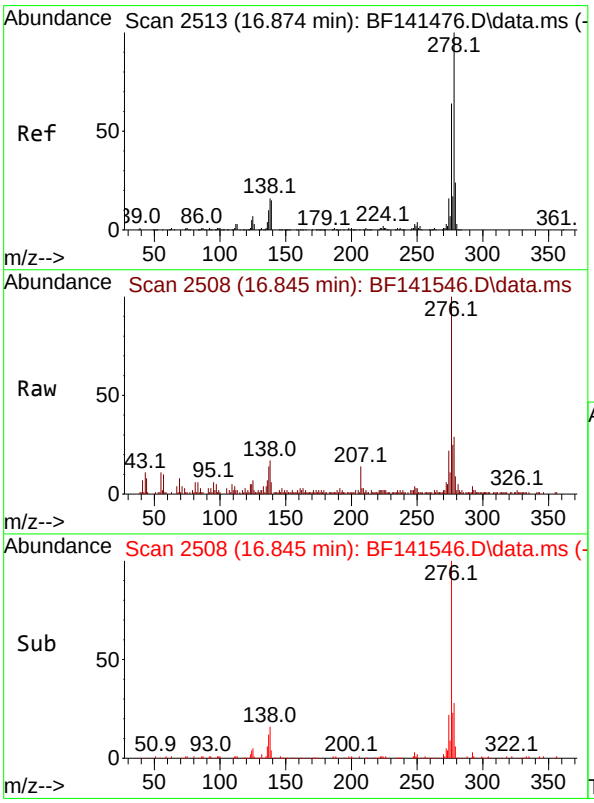
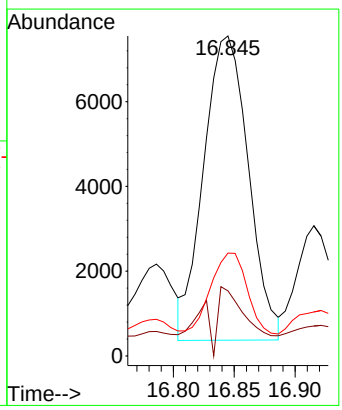


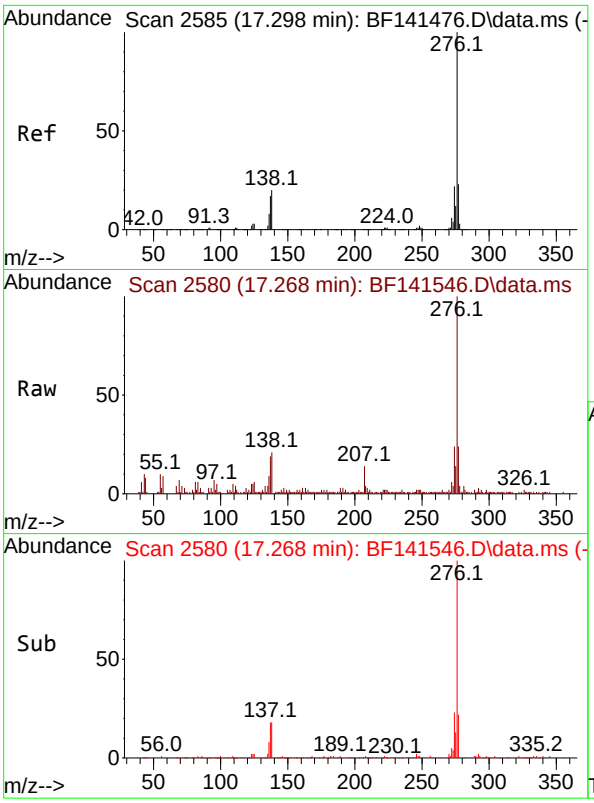


#91
Dibenzo(a,h)anthracene
Concen: 2.229 ng
RT: 16.845 min Scan# 2508
Delta R.T. -0.047 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:278 Resp: 18360

Ion	Ratio	Lower	Upper
278	100		
139	20.4	11.8	17.6#
279	32.1	19.1	28.7#

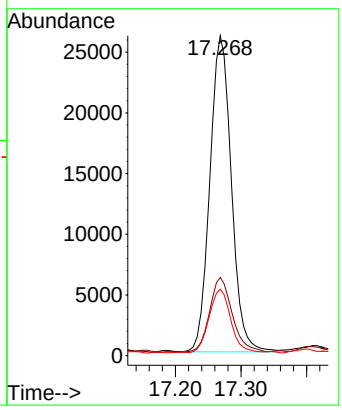




#92
Benzo(g,h,i)perylene
Concen: 6.880 ng
RT: 17.268 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:276 Resp: 5931

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	20.8	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

Raw Data: **BF141433.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141433.D	1	01/31/25 10:20	02/05/25 02:07	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	380	U	210	380	ug/Kg
108-95-2	Phenol	190	U	94.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	95.2	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	94.9	190	ug/Kg
95-48-7	2-Methylphenol	190	U	91.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	UQ	98.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	380	U	90.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	91.0	U	45.8	91.0	ug/Kg
67-72-1	Hexachloroethane	190	U	94.4	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	96.2	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	97.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	85.8	190	ug/Kg
91-20-3	Naphthalene	190	U	93.9	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	93.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	94.7	190	ug/Kg
105-60-2	Caprolactam	380	U	98.7	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	88.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	93.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	81.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	84.1	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	99.4	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	94.7	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	92.9	190	ug/Kg

Raw Data: **BF141433.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141433.D	1	01/31/25 10:20	02/05/25 02:07	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	98.4	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	94.6	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	190	U	92.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	380	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	380	U	130	380	ug/Kg
132-64-9	Dibenzofuran	190	U	96.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	98.0	190	ug/Kg
84-66-2	Diethylphthalate	190	U	91.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	97.3	190	ug/Kg
86-73-7	Fluorene	190	U	97.2	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	92.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	89.7	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	96.6	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	380	U	87.9	380	ug/Kg
85-01-8	Phenanthrene	650		95.5	190	ug/Kg
120-12-7	Anthracene	220		96.0	190	ug/Kg
86-74-8	Carbazole	190	U	91.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	95.9	190	ug/Kg
206-44-0	Fluoranthene	1500		92.9	190	ug/Kg
129-00-0	Pyrene	1300		94.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380	U	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	790		91.8	190	ug/Kg
218-01-9	Chrysene	680		90.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	380	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		92.2	190	ug/Kg

Raw Data: **BF141433.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141433.D	1	01/31/25 10:20	02/05/25 02:07	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	390		93.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	970		110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	380		88.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	J	92.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	430		91.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	98.7	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	130	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	84.9	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.0		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	86.8		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.3		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.7		20 - 109	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	63.1		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	48.7		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	80200	6.793			
1146-65-2	Naphthalene-d8	314000	8.075			
15067-26-2	Acenaphthene-d10	170000	9.828			
1517-22-2	Phenanthrene-d10	250000	11.316			
1719-03-5	Chrysene-d12	170000	13.963			
1520-96-3	Perylene-d12	133000	15.416			
TENTATIVE IDENTIFIED COMPOUNDS						
004254-15-3	(S)-(+)-1,2-Propanediol	230	J		3.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	AB		4.99	ug/Kg
000119-61-9	Benzophenone	220	J		10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	83.0	J		11.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	430	J		11.9	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	92.9	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	280	J		11.9	ug/Kg

Raw Data: **BF141433.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141433.D	1	01/31/25 10:20	02/05/25 02:07	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000612-94-2	Naphthalene, 2-phenyl-	130	J		12.1	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	98.2	J		12.5	ug/Kg
000057-11-4	Octadecanoic acid	80.0	J		12.6	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	77.3	J		13.1	ug/Kg
000192-97-2	Benzo[e]pyrene	790	J		15.3	ug/Kg

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

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

Sample Results: **BF141433.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 05 02:46:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.793	152	80166	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	313710	20.000	ng		#-0.01
39) Acenaphthene-d10	9.828	164	169555	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	249652	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	170048	20.000	ng		#-0.01
86) Perylene-d12	15.416	264	132625	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	401888	76.963	ng		0.00
7) Phenol-d6	6.434	99	576328	86.759	ng		0.00
23) Nitrobenzene-d5	7.351	82	382400	64.259	ng		-0.02
42) 2,4,6-Tribromophenol	10.622	330	98060	63.084	ng		-0.01
45) 2-Fluorobiphenyl	9.151	172	668759	60.709	ng		-0.01
79) Terphenyl-d14	12.904	244	537146	48.714	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.339	178	230901	17.206	ng		99
72) Anthracene	11.392	178	74607	5.674	ng		99
75) Fluoranthene	12.533	202	507589	38.307	ng		98
78) Pyrene	12.763	202	549605	33.671	ng		99
81) Benzo(a)anthracene	13.951	228	245477	20.920	ng		96
83) Chrysene	13.986	228	193486	17.992	ng		97
84) Bis(2-ethylhexyl)phtha...	13.945	149	33795	4.672	ng	#	98
87) Indeno(1,2,3-cd)pyrene	16.857	276	85433m	9.981	ng		
88) Benzo(b)fluoranthene	14.998	252	262259m	31.437	ng		
89) Benzo(k)fluoranthene	15.016	252	76310m	10.326	ng		
90) Benzo(a)pyrene	15.357	252	181316	25.719	ng		96
91) Dibenzo(a,h)anthracene	16.868	278	20998	3.049	ng	#	77
92) Benzo(g,h,i)perylene	17.298	276	80443	11.234	ng		95

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

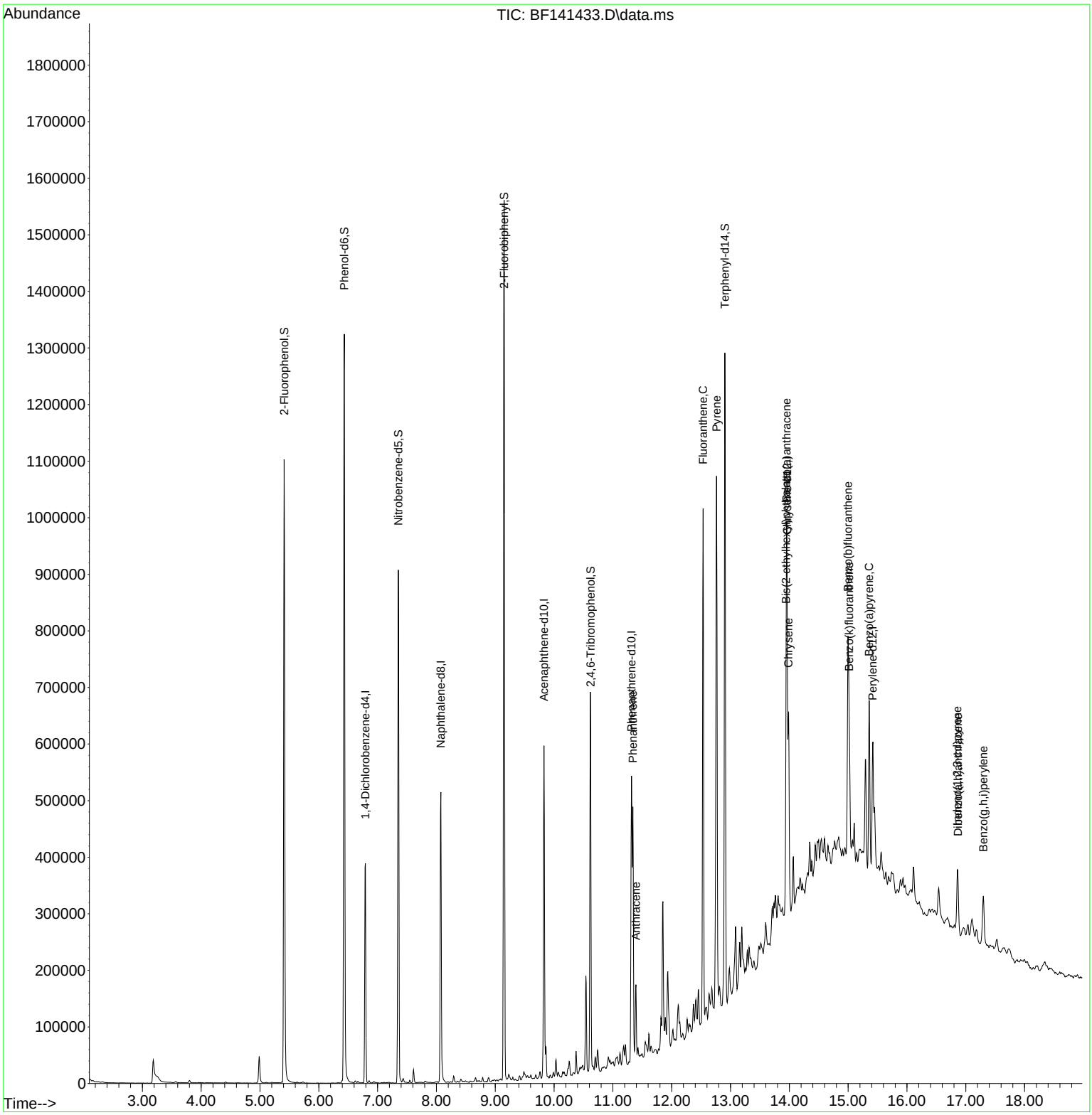
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

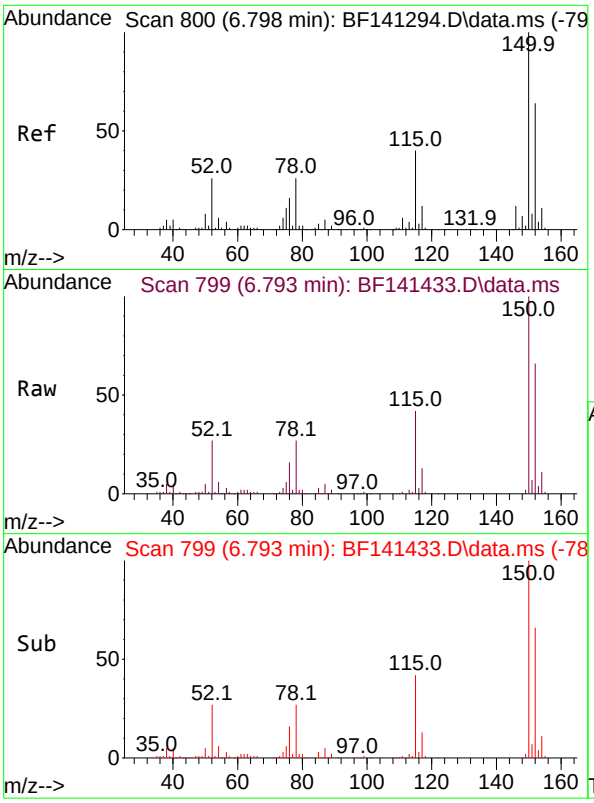
Quant Time: Feb 05 02:46:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

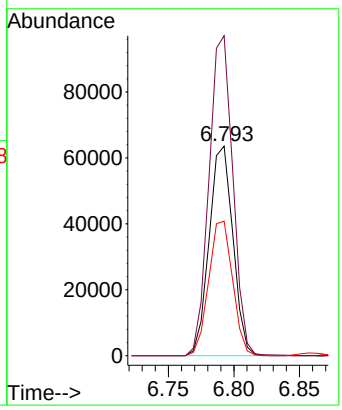




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:152 Resp: 8016

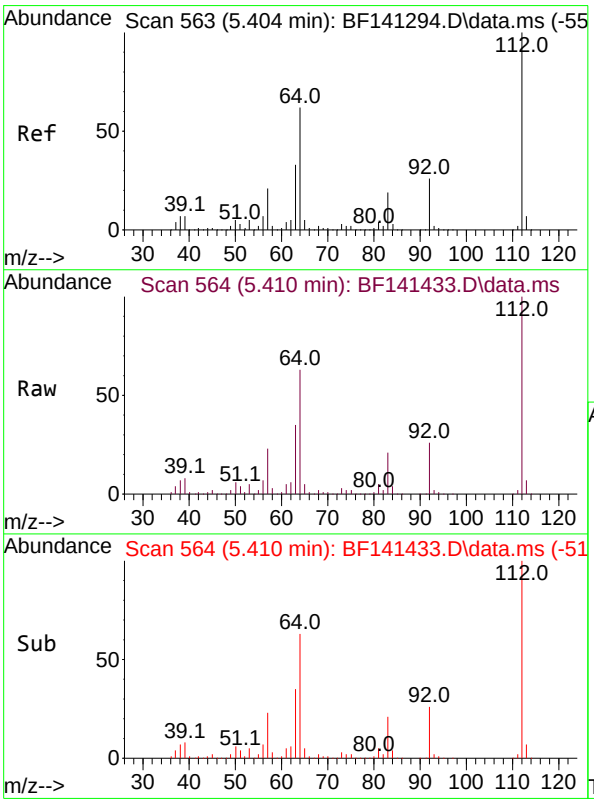
Ion	Ratio	Lower	Upper
152	100		
150	152.6	125.9	188.9
115	64.1	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Manual Integrations
APPROVED

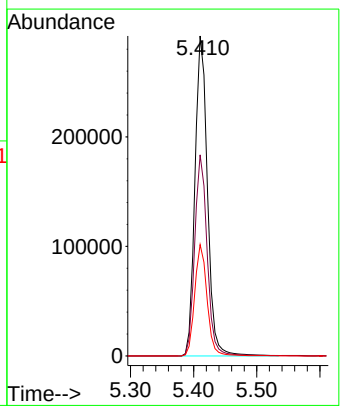
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

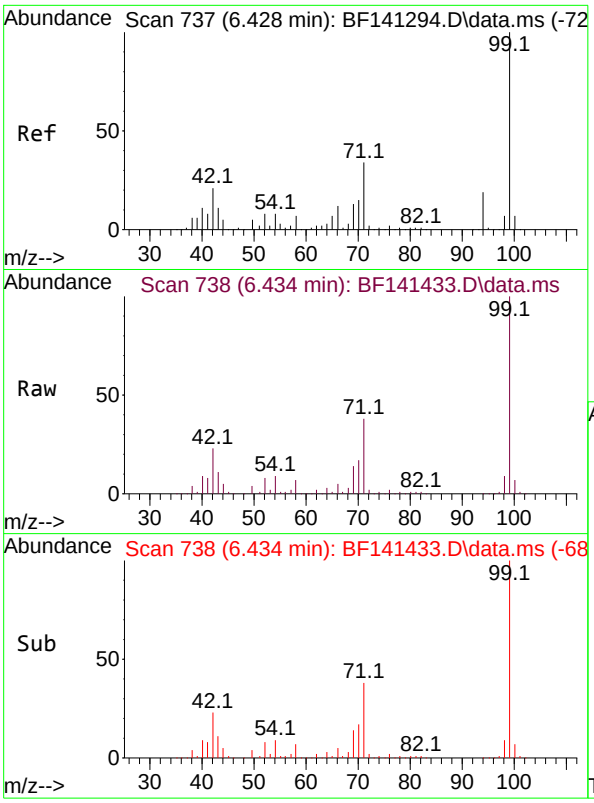


#5
2-Fluorophenol
Concen: 76.963 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:112 Resp: 401888

Ion	Ratio	Lower	Upper
112	100		
64	62.9	49.8	74.8
63	34.8	26.1	39.1

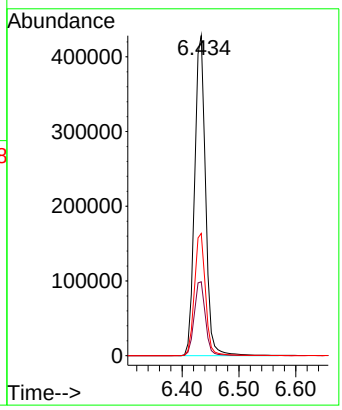




#7
Phenol-d6
Concen: 86.759 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion: 99 Resp: 57632

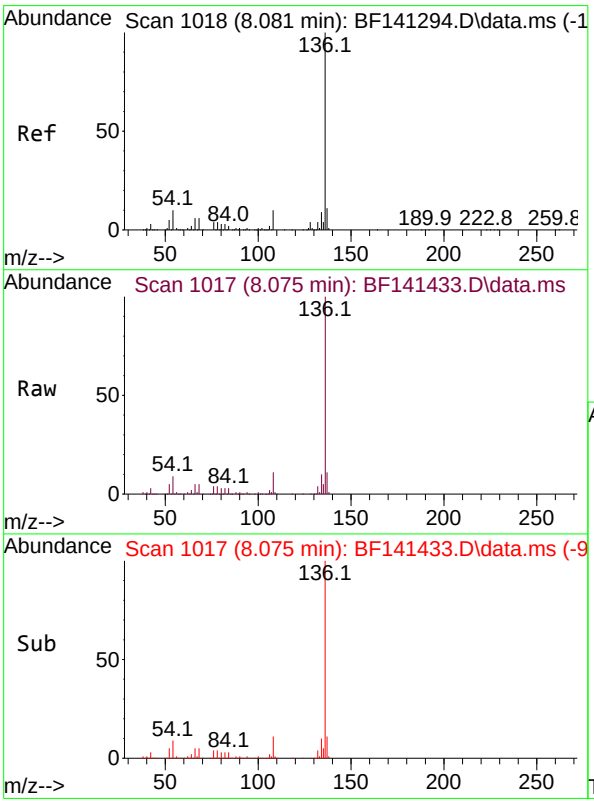
Ion	Ratio	Lower	Upper
99	100		
42	23.1	17.1	25.7
71	38.2	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Manual Integrations
APPROVED

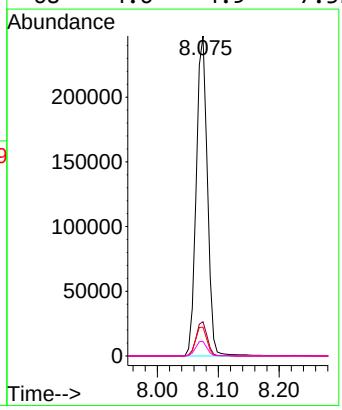
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

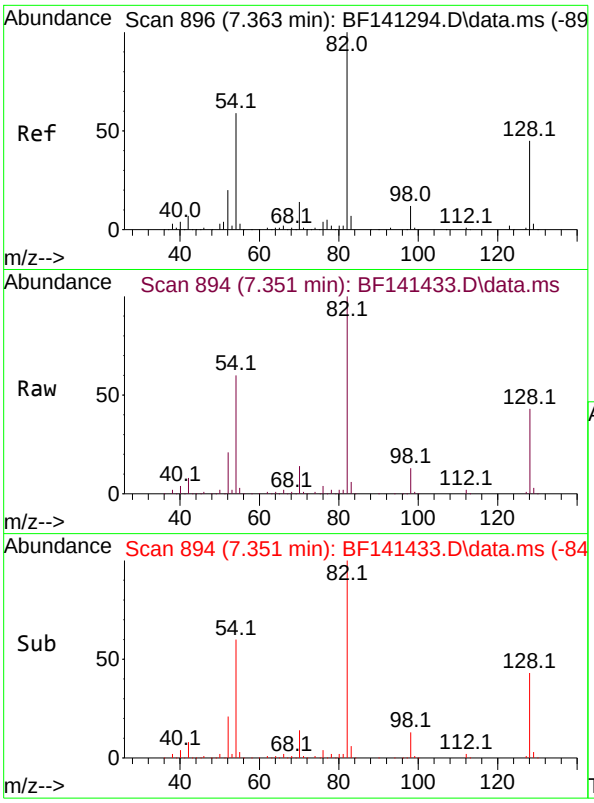


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:136 Resp: 313710

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	7.8	11.8
68	4.6	4.9	7.3#

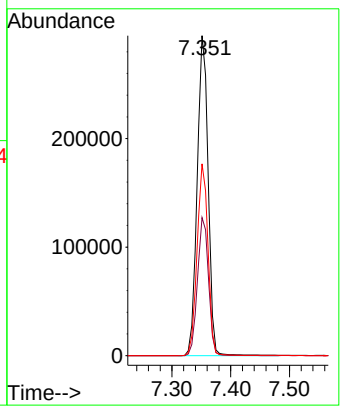




#23
Nitrobenzene-d5
Concen: 64.259 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion: 82 Resp: 38240

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.7	53.5
54	59.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

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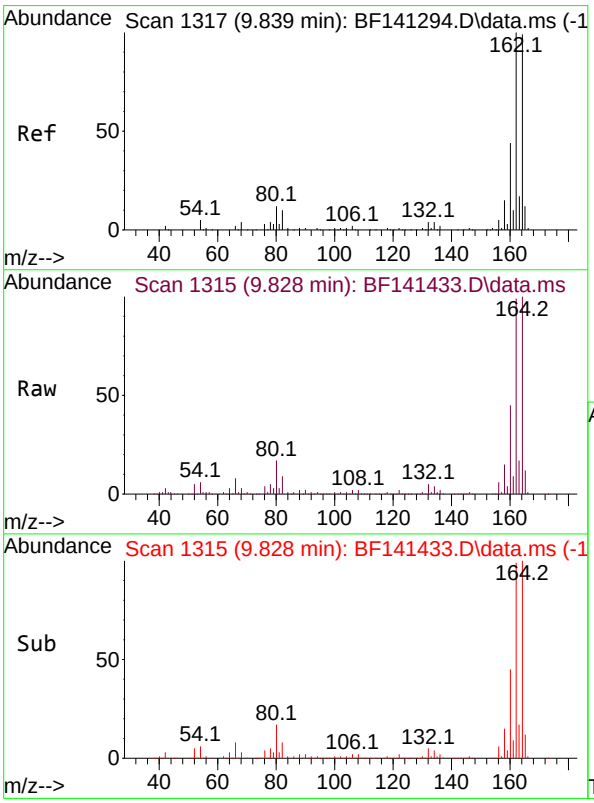
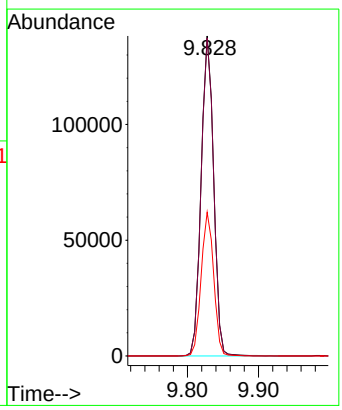
Supervised By :mohammad ahmed 02/05/2025

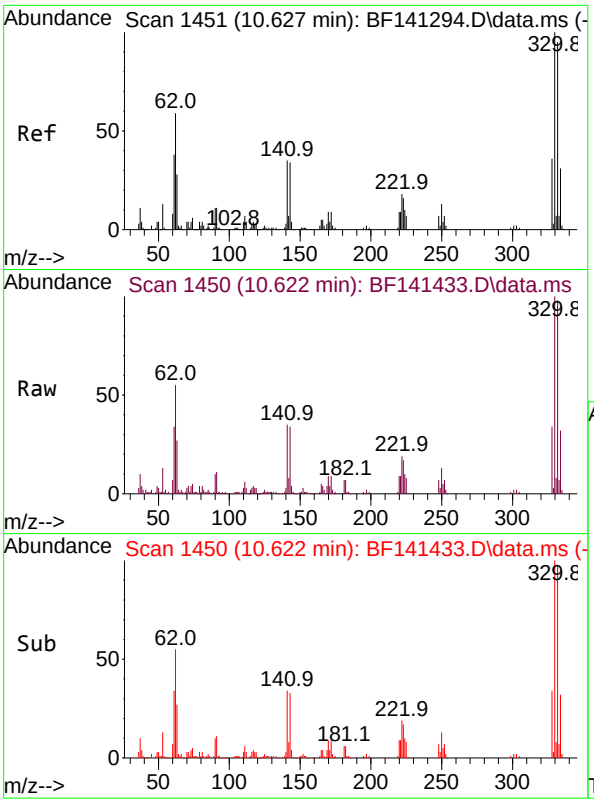


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:164 Resp: 169555

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.6	121.0
160	44.9	35.8	53.6

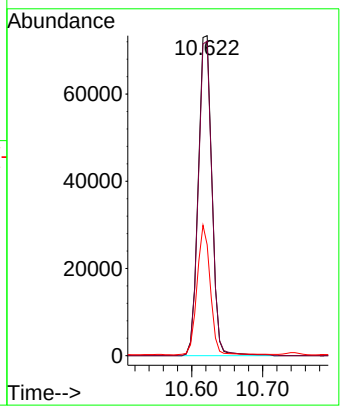




#42
2,4,6-Tribromophenol
Concen: 63.084 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:330 Resp: 9806

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.1	114.1
141	39.1	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

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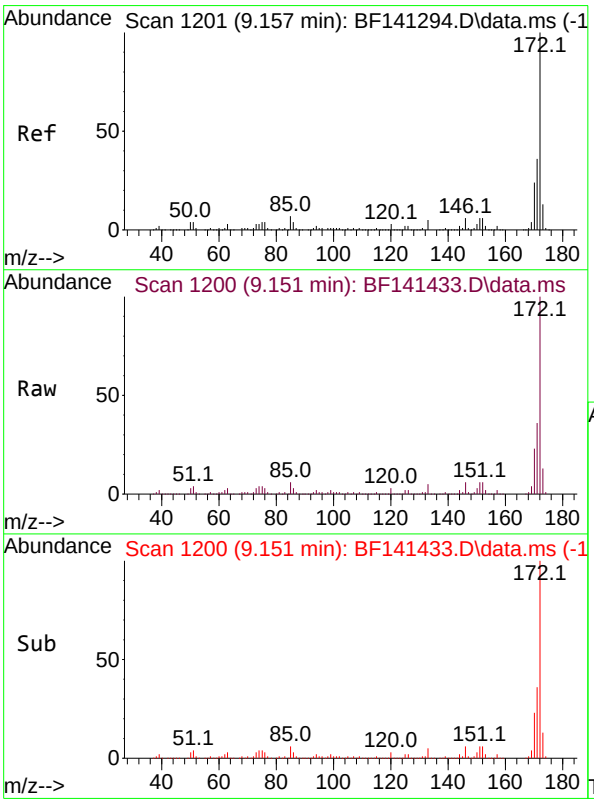
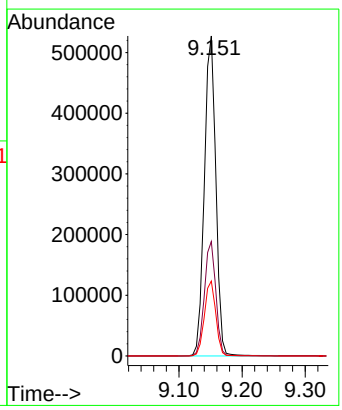
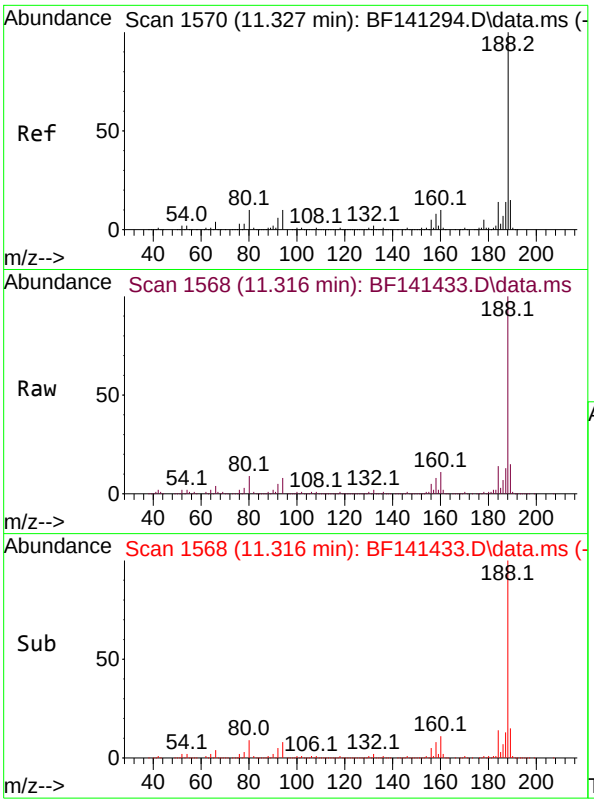


#45
2-Fluorobiphenyl
Concen: 60.709 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:172 Resp: 668759

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.4	19.0	28.6

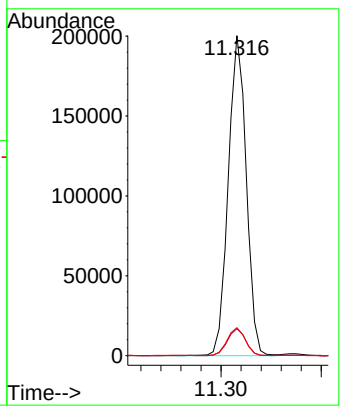




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:188 Resp: 24965

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.8	11.6
80	8.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

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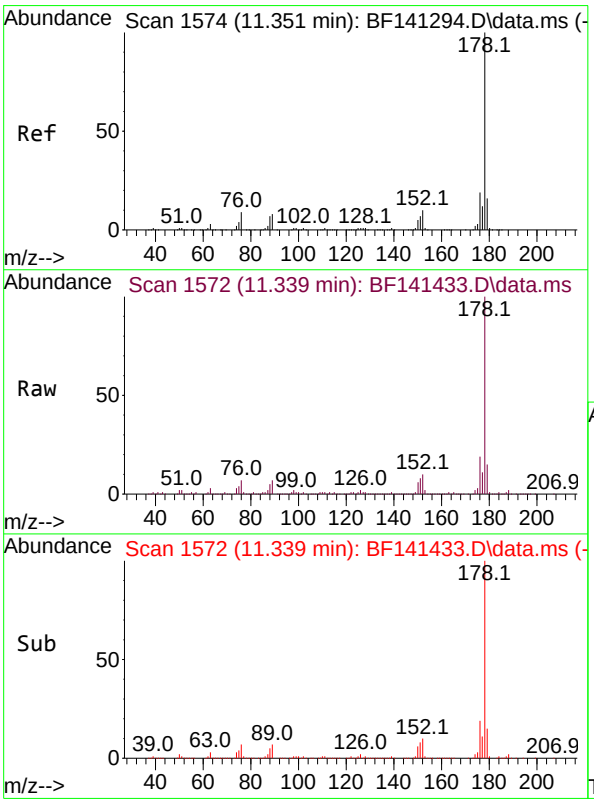
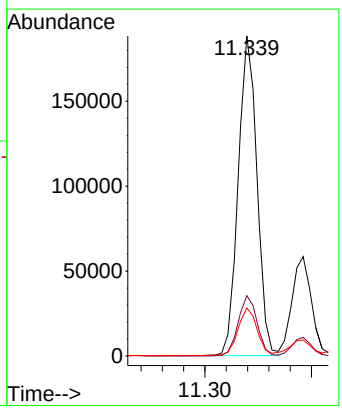
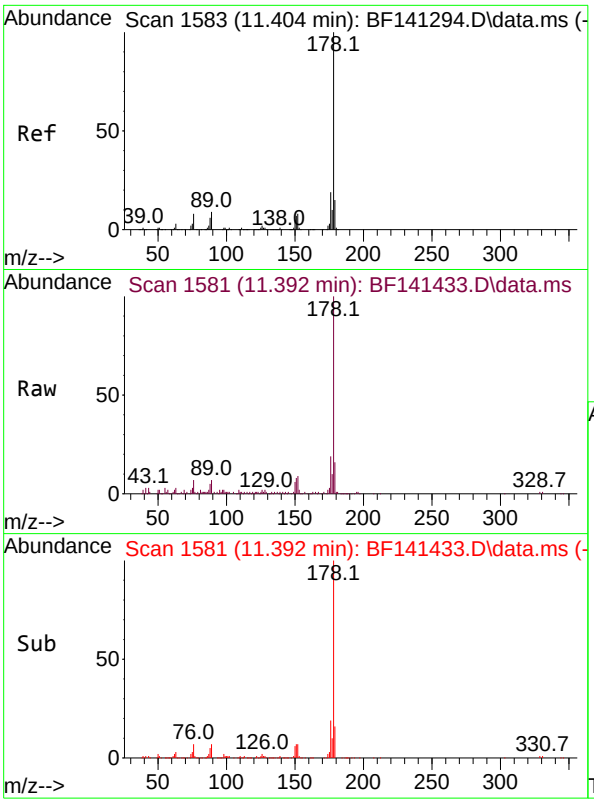


#71
Phenanthrene
Concen: 17.206 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:178 Resp: 230901

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.0	12.5	18.7

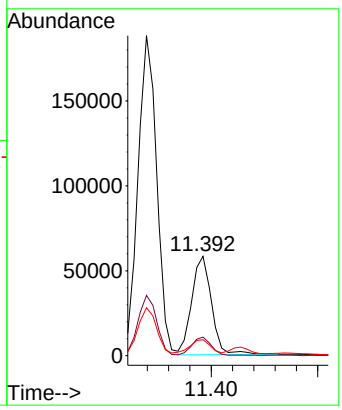




#72
Anthracene
Concen: 5.674 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:178 Resp: 7460

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	16.1	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
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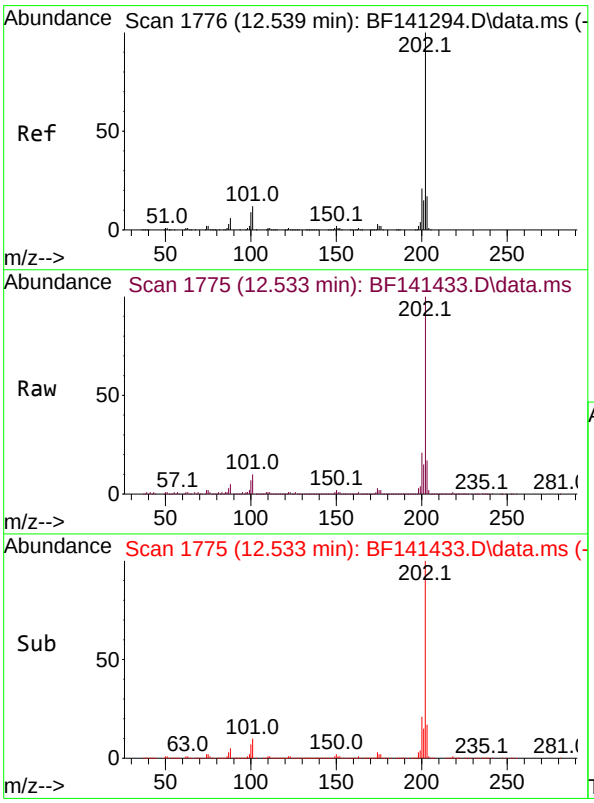
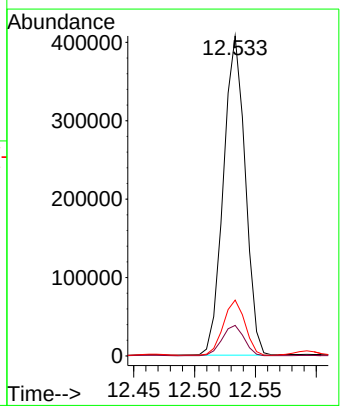
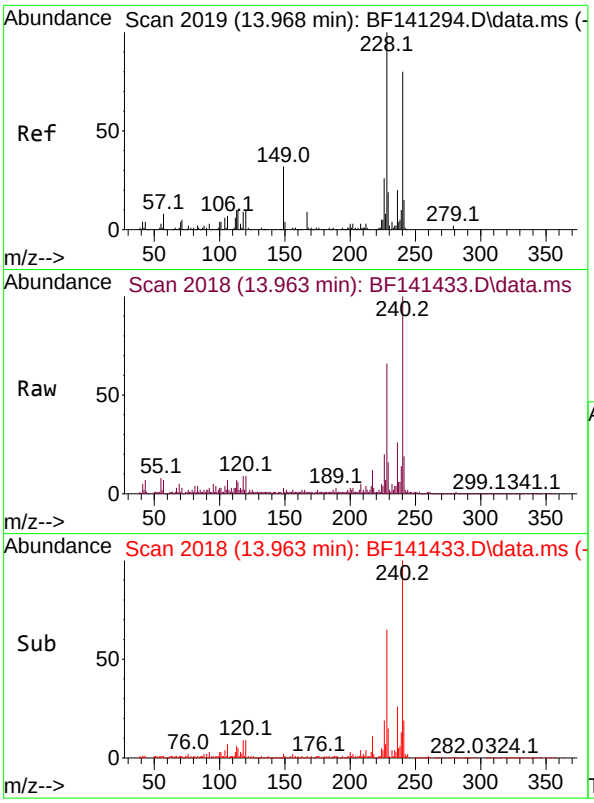


#75
Fluoranthene
Concen: 38.307 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:202 Resp: 507589

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.7
203	17.5	0.0	37.5

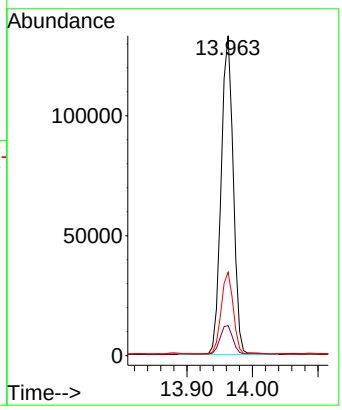




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:240 Resp: 17004

Ion	Ratio	Lower	Upper
240	100		
120	9.4	10.0	15.0
236	26.0	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

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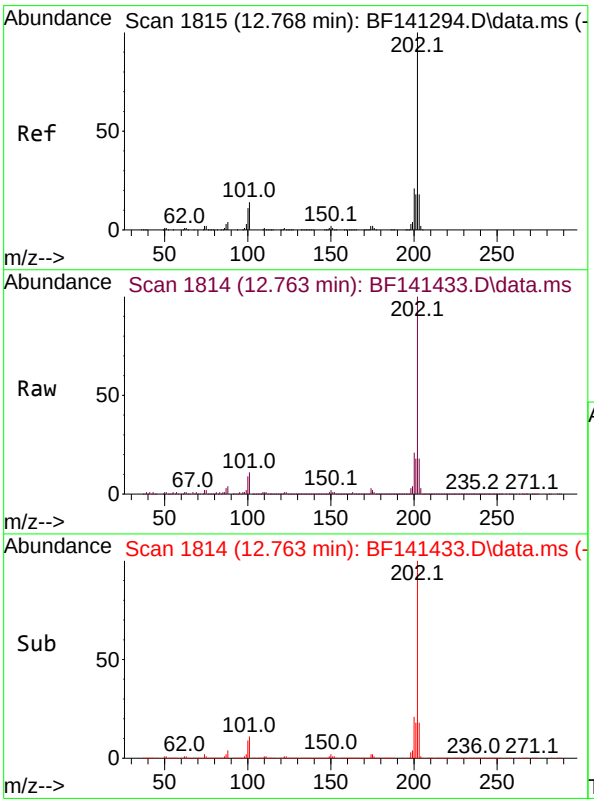
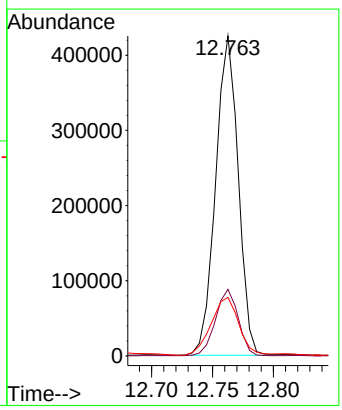
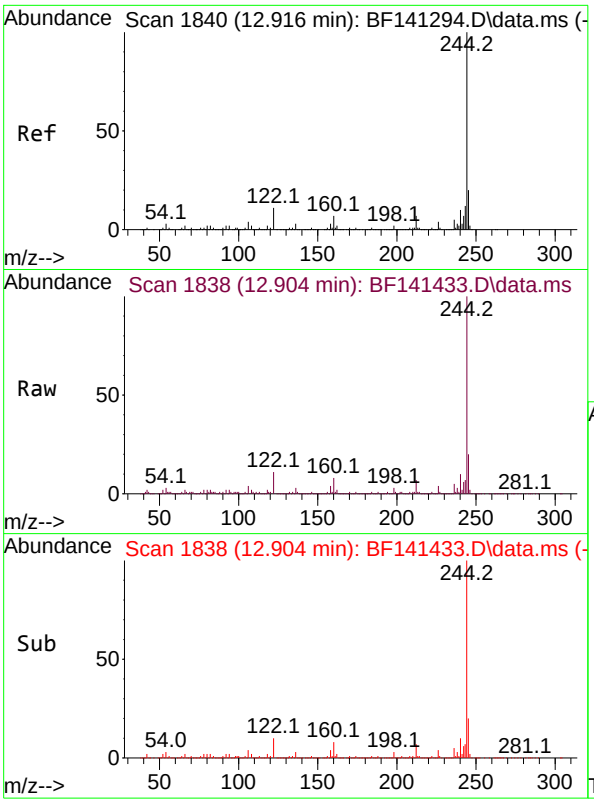


#78
Pyrene
Concen: 33.671 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:202 Resp: 549605

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.3	14.3	21.5

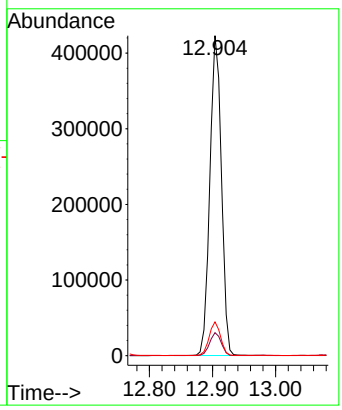




#79
Terphenyl-d14
Concen: 48.714 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:244 Resp: 53714

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.6	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Manual Integrations
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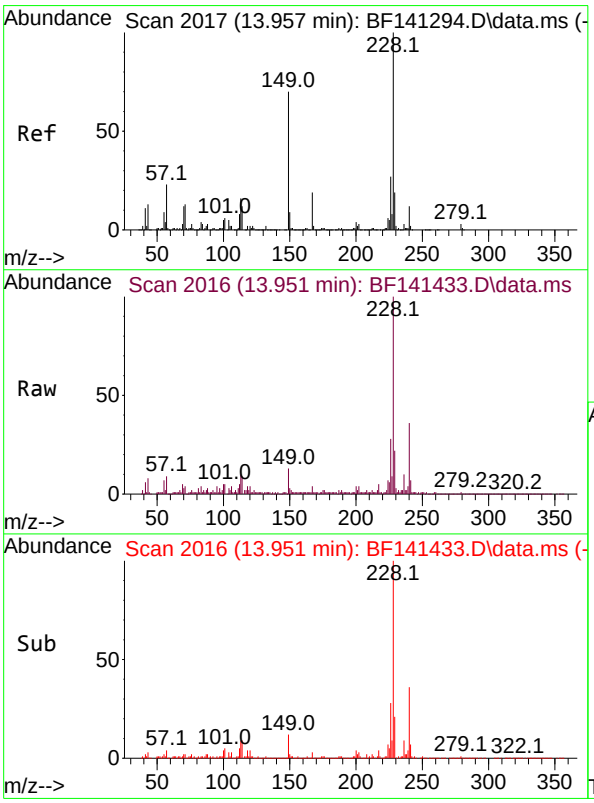
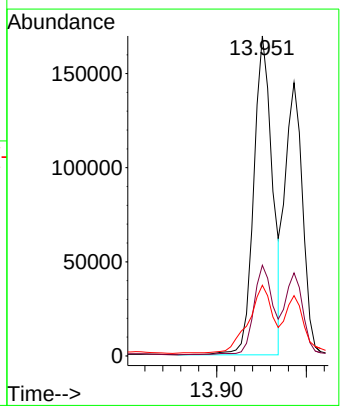
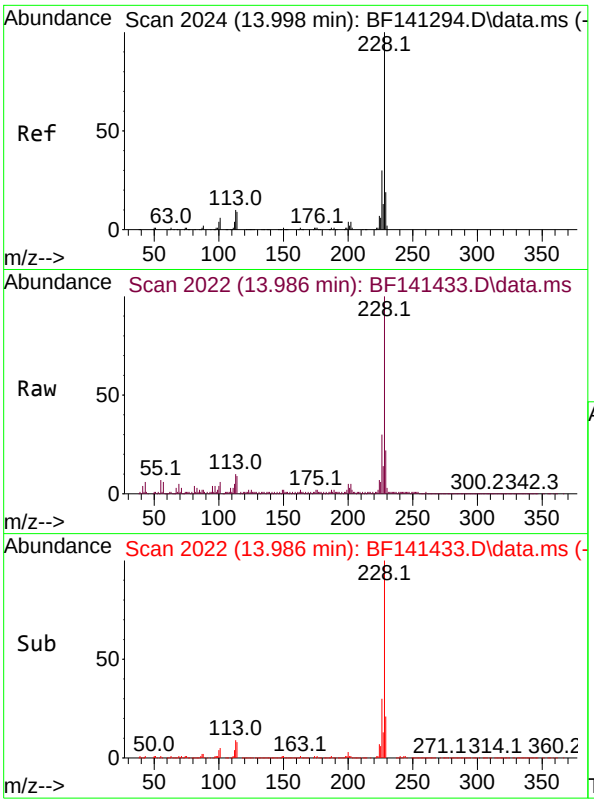


#81
Benzo(a)anthracene
Concen: 20.920 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:228 Resp: 245477

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.4	32.2
229	22.1	15.5	23.3

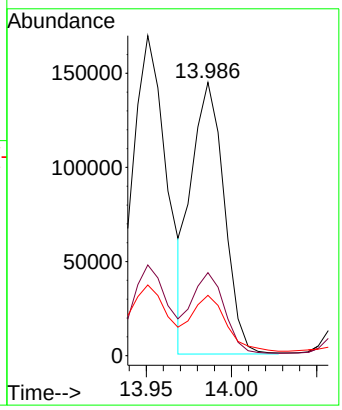




#83
Chrysene
Concen: 17.992 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:228 Resp: 19348

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	22.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
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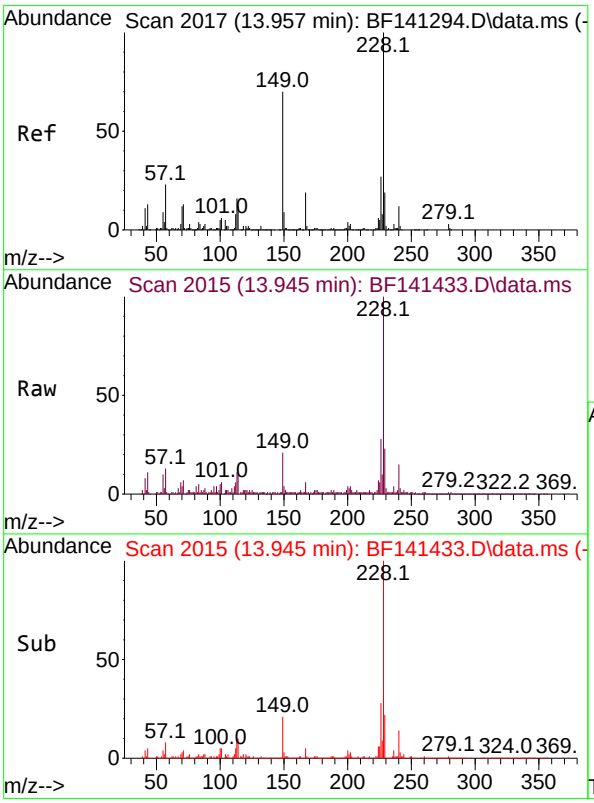
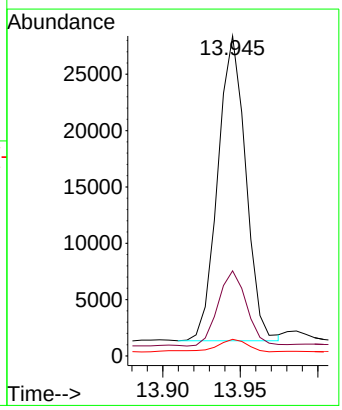
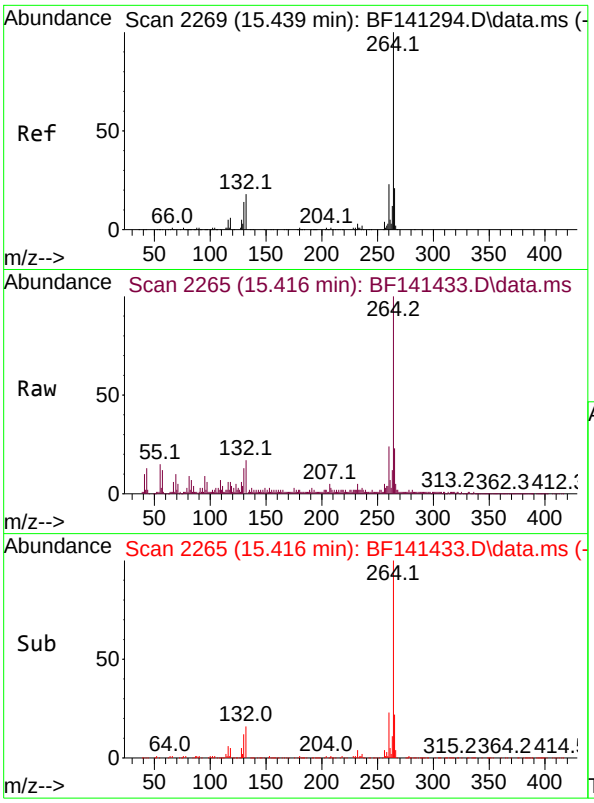


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.672 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:149 Resp: 33795

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.8	32.8
279	5.2	3.3	4.9#

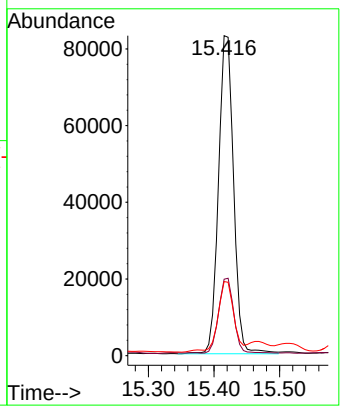




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:264 Resp: 13262

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	23.1	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
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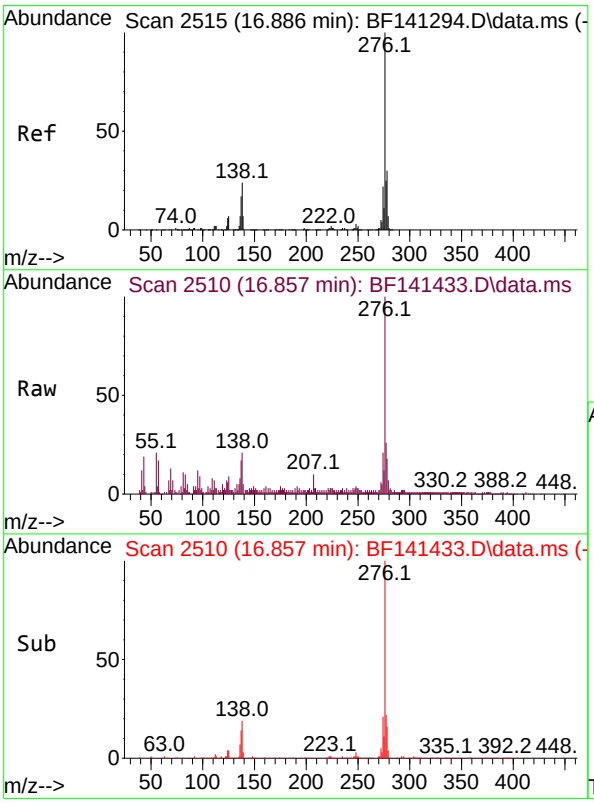
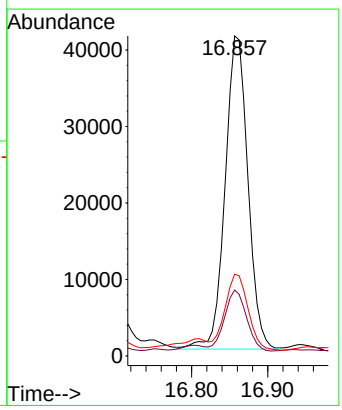
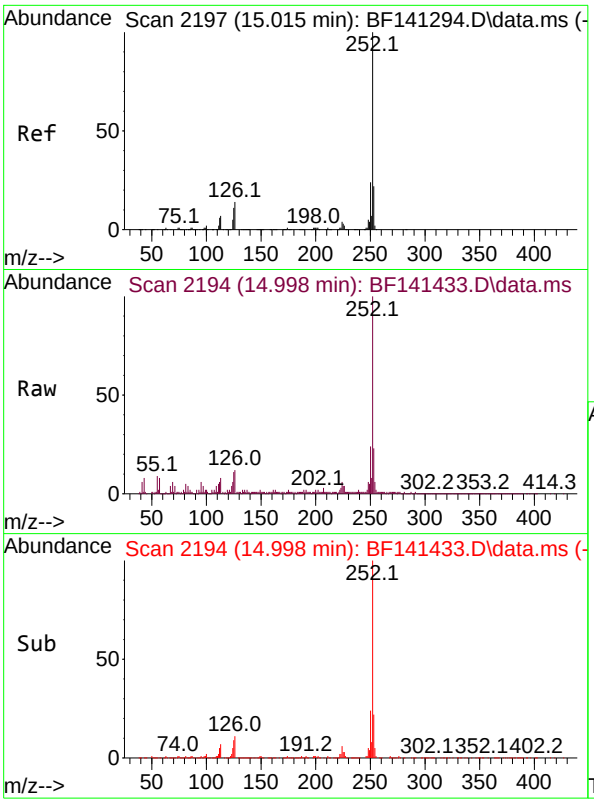


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.981 ng m
RT: 16.857 min Scan# 2510
Delta R.T. -0.041 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:276 Resp: 85433

Ion	Ratio	Lower	Upper
276	100		
138	3.7	21.7	32.5#
277	4.3	20.3	30.5#

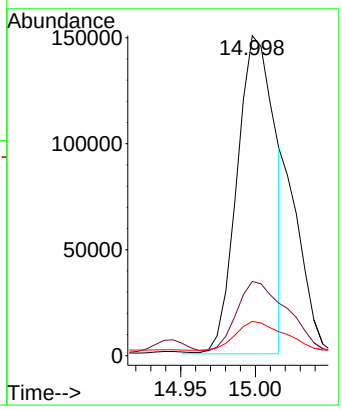




#88
Benzo(b)fluoranthene
Concen: 31.437 ng m
RT: 14.998 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:252 Resp: 26225

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	10.7	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

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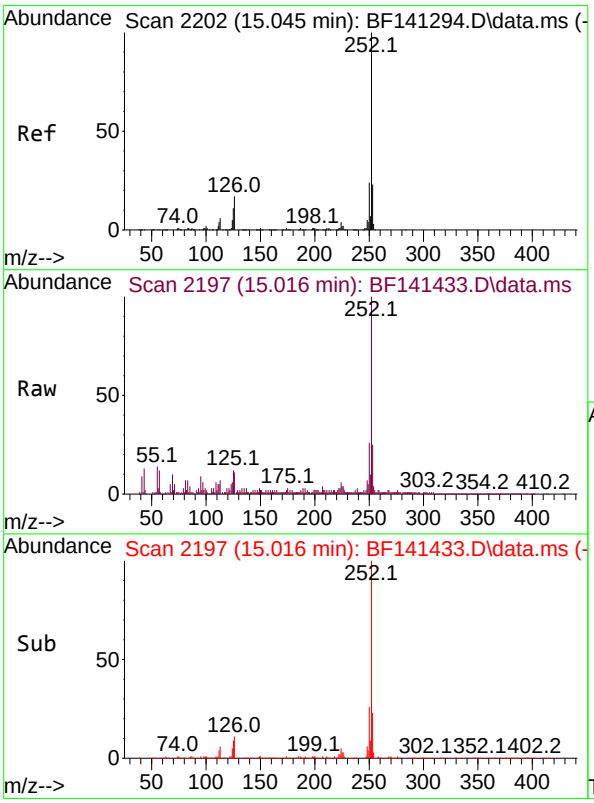
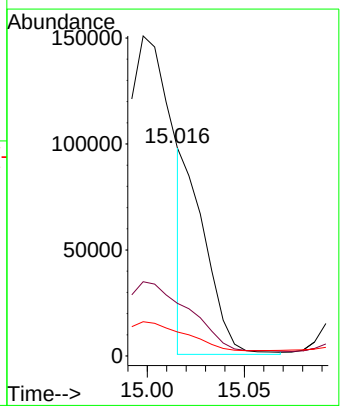
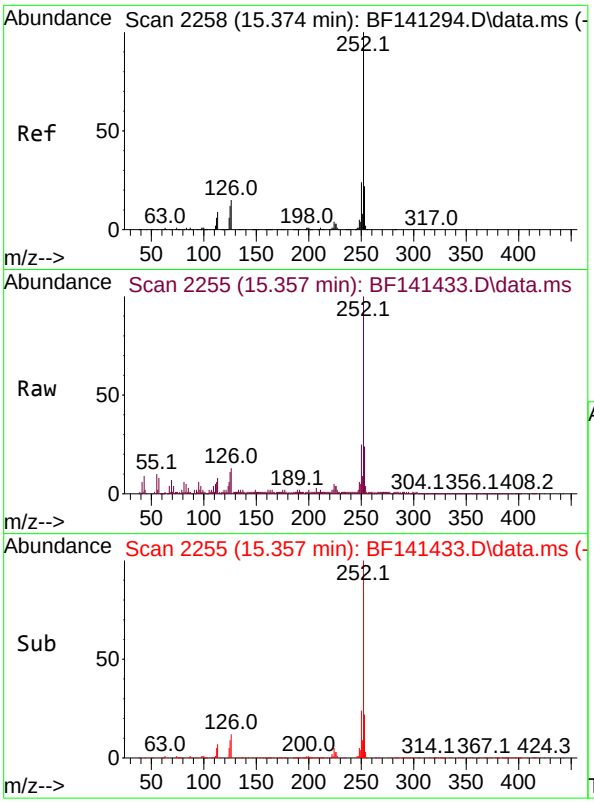


#89
Benzo(k)fluoranthene
Concen: 10.326 ng m
RT: 15.016 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:252 Resp: 76310

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.6	26.4
125	11.6	8.4	12.6

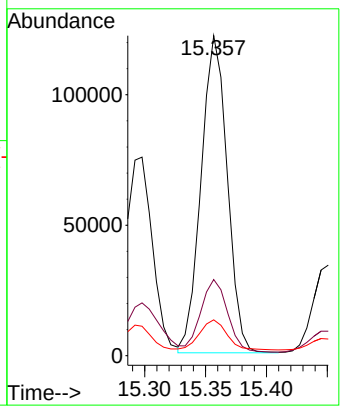




#90
Benzo(a)pyrene
Concen: 25.719 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:252 Resp: 18131

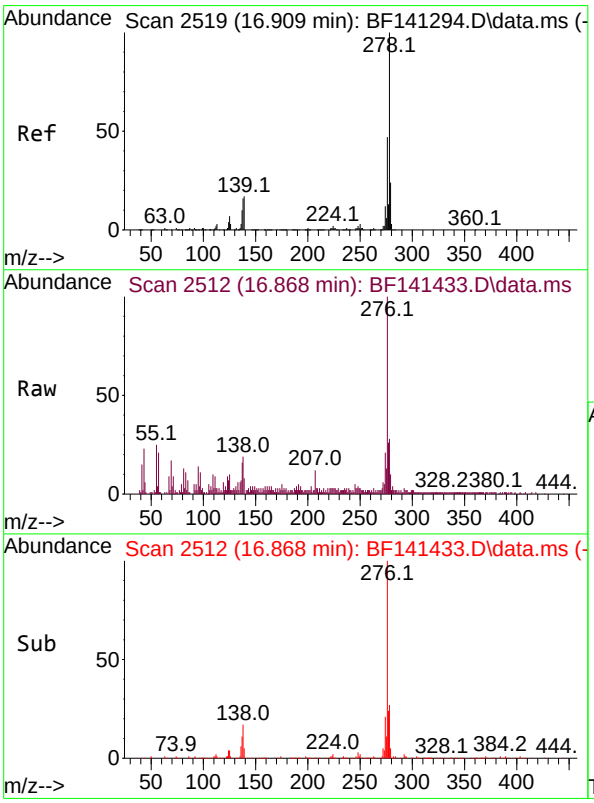
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	11.2	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Manual Integrations
APPROVED

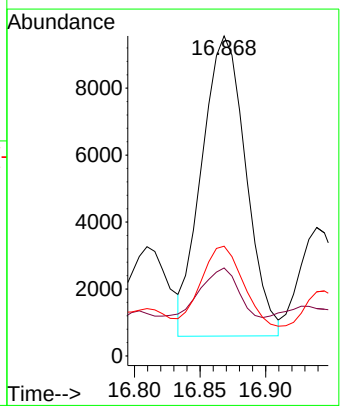
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

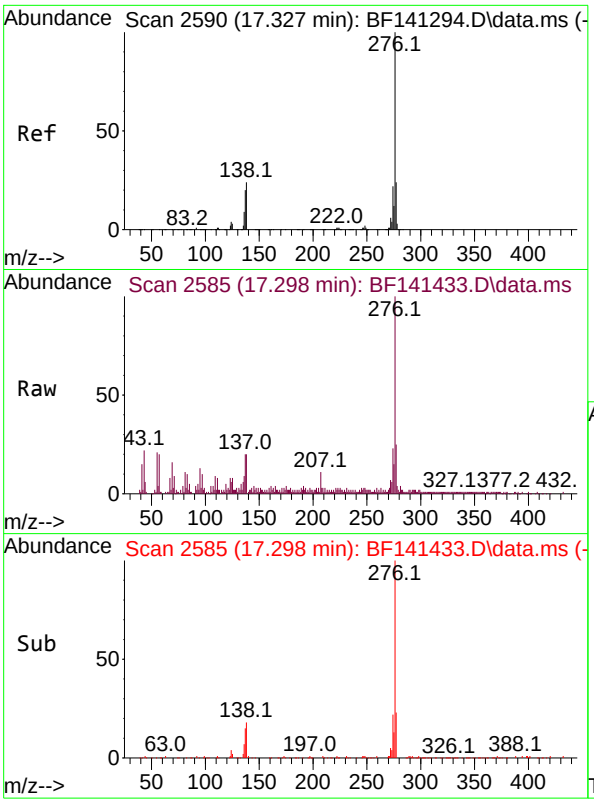


#91
Dibenzo(a,h)anthracene
Concen: 3.049 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.053 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:278 Resp: 20998

Ion	Ratio	Lower	Upper
278	100		
139	27.5	13.9	20.9#
279	34.3	18.8	28.2#

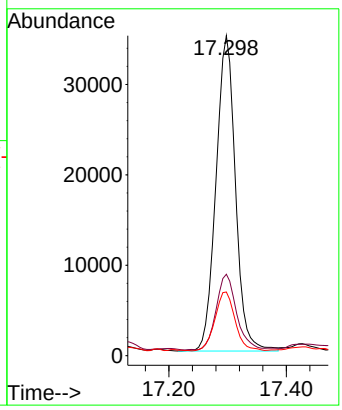




#92
Benzo(g,h,i)perylene
Concen: 11.234 ng
RT: 17.298 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF141433.D
Acq: 05 Feb 2025 02:07

Tgt Ion:276 Resp: 8044

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.2	28.8
138	19.9	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

Sample Results: **BF141433.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141433.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.187	175	186	214	rBV	40996	147733	7.48%	0.729%
2	4.987	483	492	504	rBV	47003	77477	3.92%	0.382%
3	5.410	559	564	592	rVB	1101235	1506223	76.22%	7.432%
4	6.434	732	738	759	rVB	1322471	1797061	90.94%	8.867%
5	6.793	793	799	804	rBV	388129	494663	25.03%	2.441%
6	7.351	888	894	899	rBV	906736	1168552	59.13%	5.766%
7	7.610	931	938	948	rBV	22934	30785	1.56%	0.152%
8	8.075	1010	1017	1033	rBV	513080	686308	34.73%	3.387%
9	9.151	1194	1200	1205	rBV	1555466	1976085	100.00%	9.751%
10	9.486	1249	1257	1260	rBV2	14717	30327	1.53%	0.150%
11	9.828	1308	1315	1319	rBV	587769	749263	37.92%	3.697%
12	9.857	1319	1320	1325	rVB	53090	51568	2.61%	0.254%
13	10.034	1345	1350	1354	rBV	29553	39776	2.01%	0.196%
14	10.257	1386	1388	1392	rVB	24690	29437	1.49%	0.145%
15	10.375	1404	1408	1413	rVB	39927	49083	2.48%	0.242%
16	10.539	1431	1436	1441	rVB	167964	215732	10.92%	1.065%
17	10.616	1444	1449	1455	rBV	670007	872057	44.13%	4.303%
18	10.698	1460	1463	1466	rVV2	25071	32996	1.67%	0.163%
19	10.739	1466	1470	1477	rVB2	37412	64477	3.26%	0.318%
20	10.922	1497	1501	1504	rBV3	15513	24250	1.23%	0.120%
21	11.057	1519	1524	1525	rBV3	13960	21803	1.10%	0.108%
22	11.122	1531	1535	1539	rVB2	21359	26712	1.35%	0.132%
23	11.180	1539	1545	1548	rBV4	33090	65454	3.31%	0.323%
24	11.210	1548	1550	1557	rVB	35090	47165	2.39%	0.233%
25	11.316	1563	1568	1570	rBV	506149	669627	33.89%	3.304%
26	11.339	1570	1572	1576	rVV	448032	502008	25.40%	2.477%
27	11.392	1576	1581	1584	rVV	130329	176358	8.92%	0.870%
28	11.428	1584	1587	1591	rVB2	14966	19972	1.01%	0.099%
29	11.551	1604	1608	1615	rBV2	25767	63333	3.20%	0.313%
30	11.610	1615	1618	1622	rVV	31371	38925	1.97%	0.192%
31	11.816	1649	1653	1655	rBV	55799	73396	3.71%	0.362%
32	11.851	1655	1659	1663	rVV	260050	376573	19.06%	1.858%
33	11.892	1663	1666	1669	rVV2	53543	82006	4.15%	0.405%
34	11.933	1669	1673	1681	rVB	132345	245902	12.44%	1.213%
35	12.110	1698	1703	1707	rBV2	58373	114505	5.79%	0.565%
36	12.369	1744	1747	1750	rBV	41836	54989	2.78%	0.271%

Sample Results: **BF141433.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.410	1751	1754	1758	rVV3	43664	64880	3.28%	0.320%
38	12.457	1758	1762	1767	rVB2	61984	86737	4.39%	0.428%
39	12.533	1770	1775	1780	rBV	908485	1142865	57.83%	5.639%
40	12.633	1789	1792	1796	rBV	40962	70774	3.58%	0.349%
41	12.763	1807	1814	1820	rBV	940780	1416136	71.66%	6.988%
42	12.904	1831	1838	1845	rVB	1148583	1544577	78.16%	7.622%
43	13.086	1867	1869	1873	rVB	110697	123991	6.27%	0.612%
44	13.157	1878	1881	1884	rVV	52090	62317	3.15%	0.307%
45	13.192	1884	1887	1891	rVV	71099	94185	4.77%	0.465%
46	13.957	2011	2017	2020	rBV3	683802	1215117	61.49%	5.996%
47	14.998	2190	2194	2203	rVB	374674	791284	40.04%	3.905%
48	15.298	2241	2245	2250	rVB	192683	314234	15.90%	1.551%
49	15.357	2251	2255	2261	rVB	288501	414430	20.97%	2.045%
50	15.421	2262	2266	2269	rBV	193043	301838	15.27%	1.489%

Sum of corrected areas: 20265946

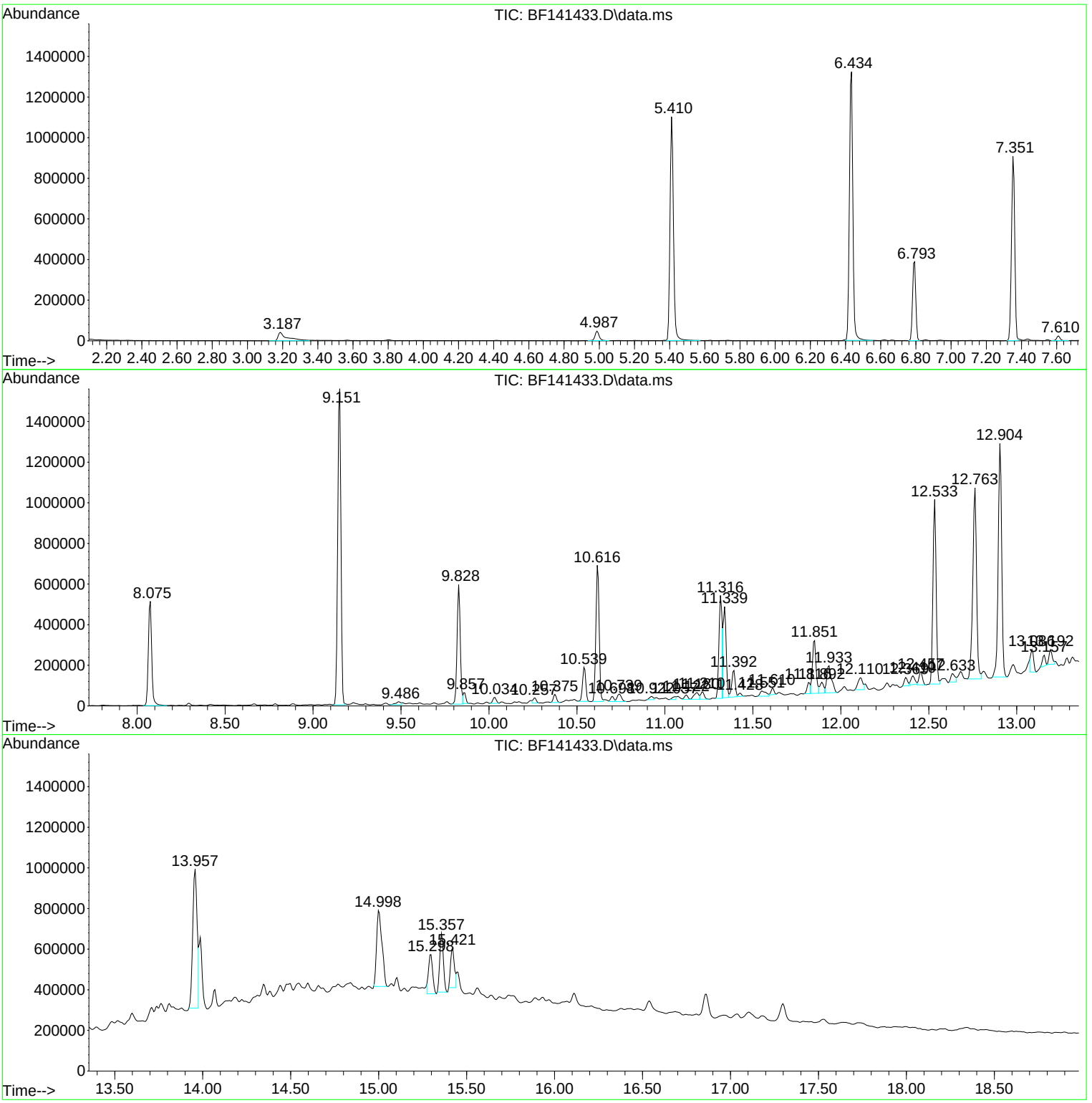
Sample Results: **BF141433.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

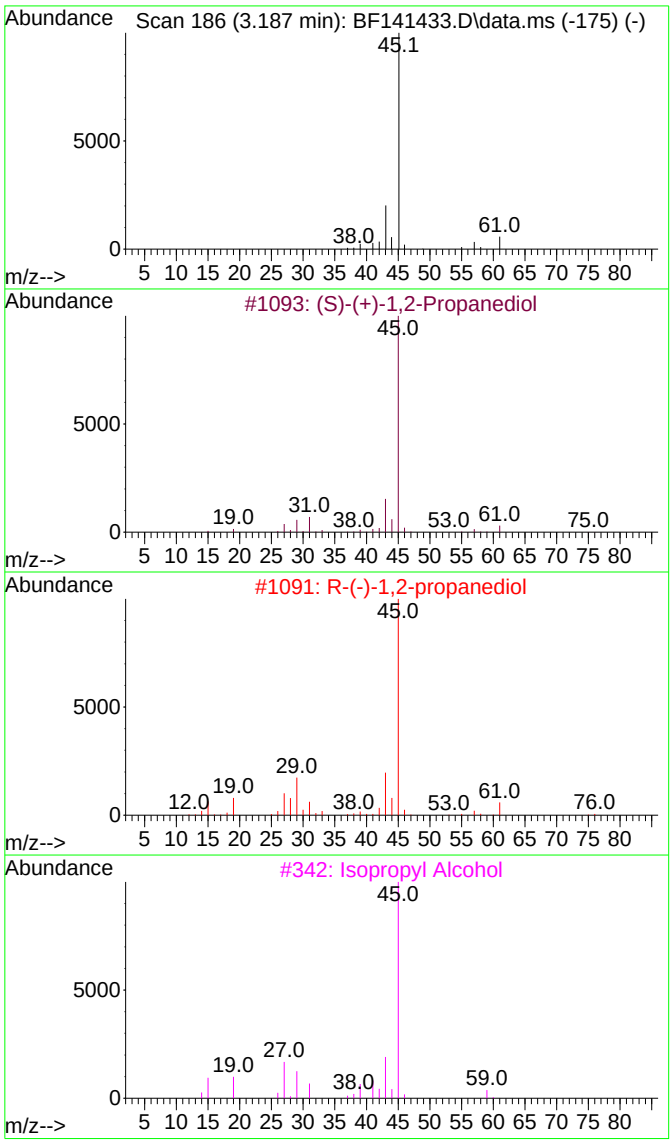
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

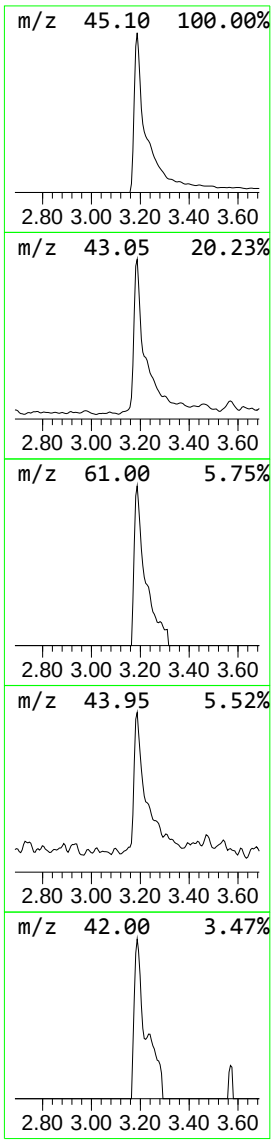
****

Peak Number 1 (S)-(+)-1,2-Propanediol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.187	5.97 ng	147733	1,4-Dichlorobenzene-d4	6.793

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	64
2	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	64
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
4	Propylene Glycol	76	C3H8O2	000057-55-6	9
5	Formamide	45	CH3NO	000075-12-7	5





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

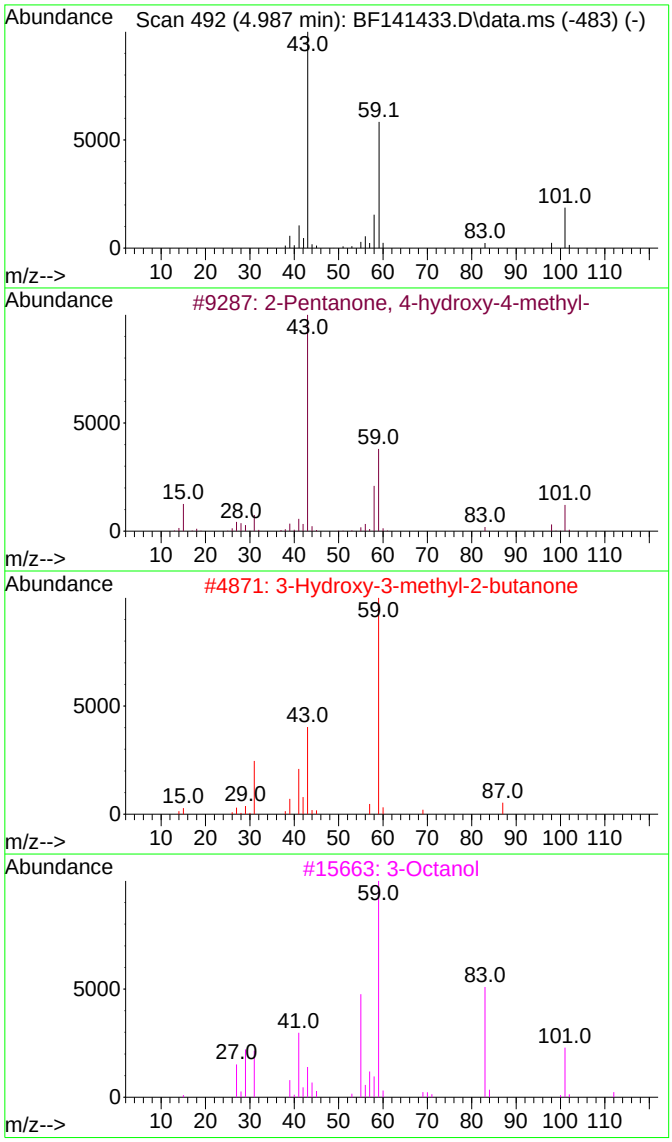
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

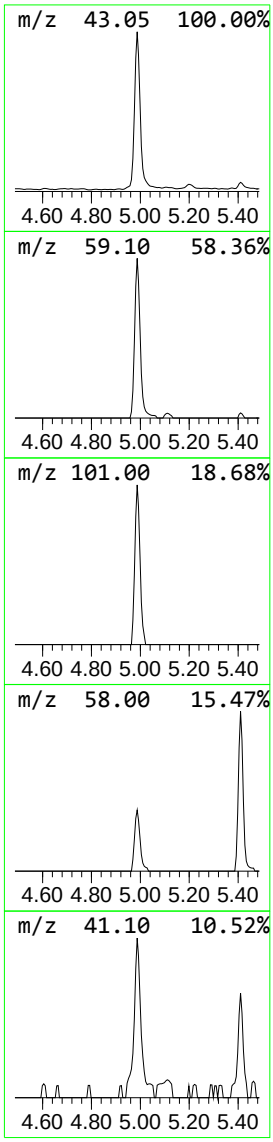
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.987	3.13 ng	77477	1,4-Dichlorobenzene-d4	6.793

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	38
3	3-Octanol	130	C8H18O	000589-98-0	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

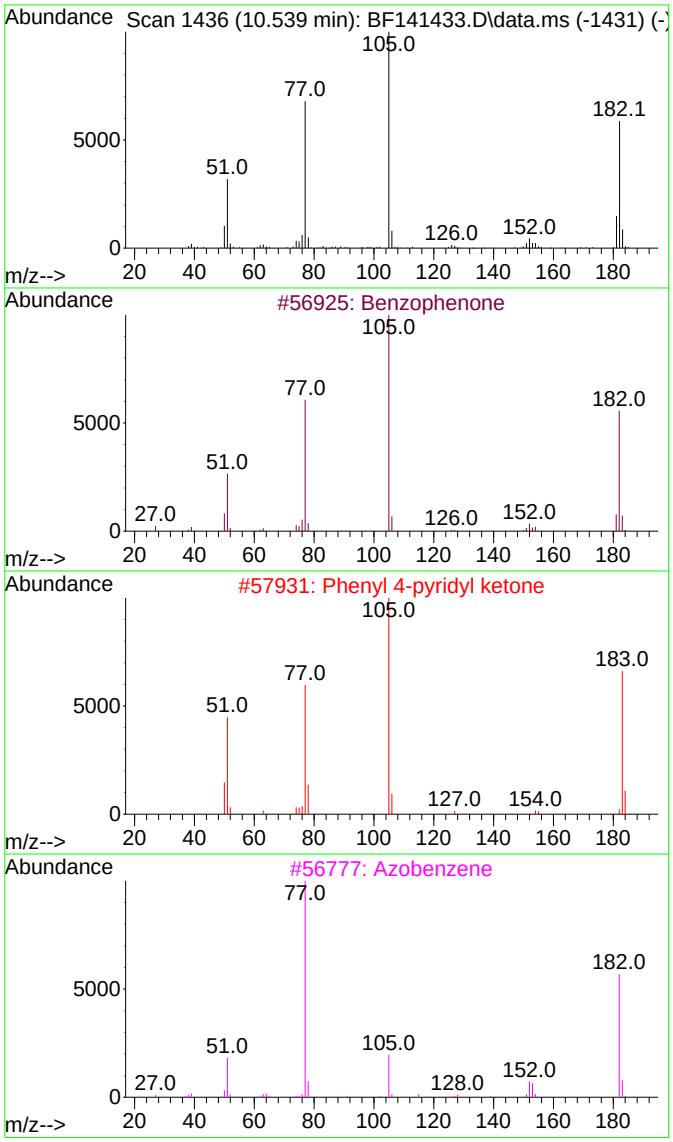
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

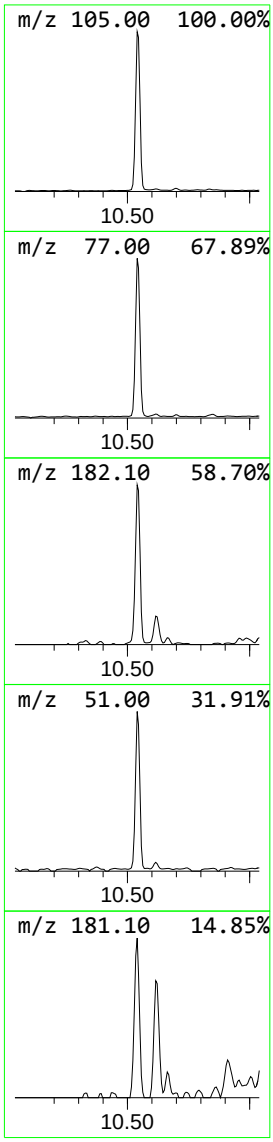
****

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	5.76 ng	215732	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	64
3	Azobenzene	182	C12H10N2	000103-33-3	52
4	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

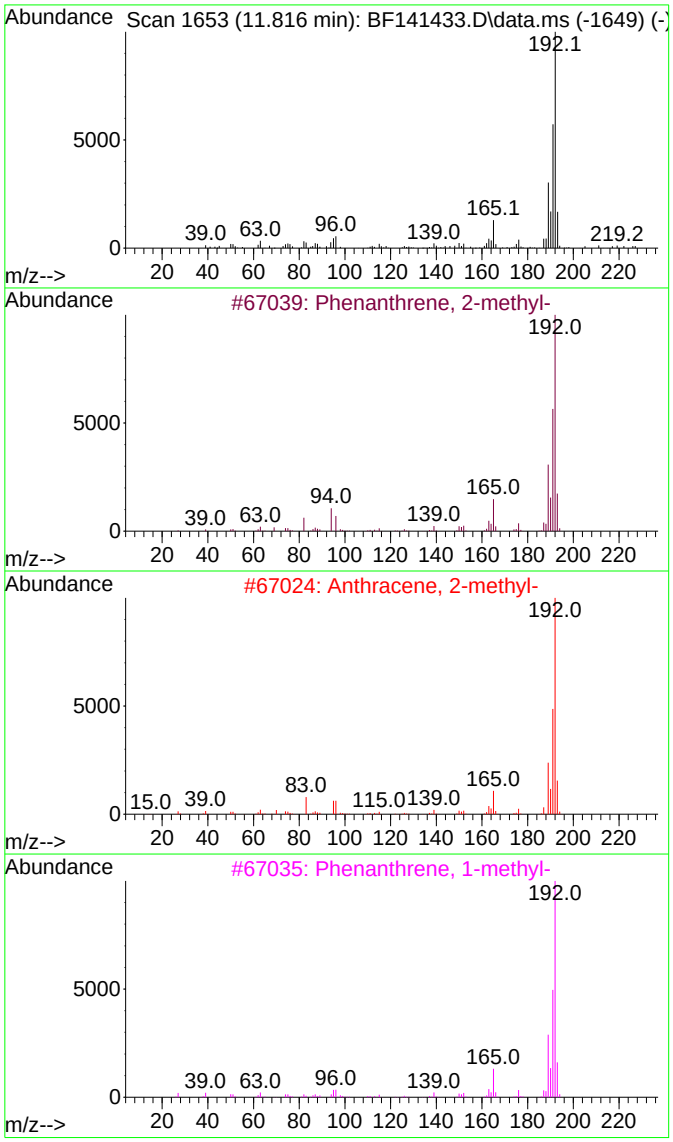
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

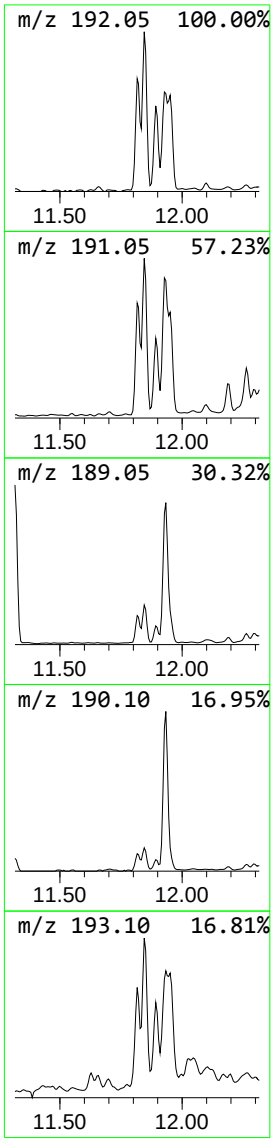
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	2.19 ng	73396	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

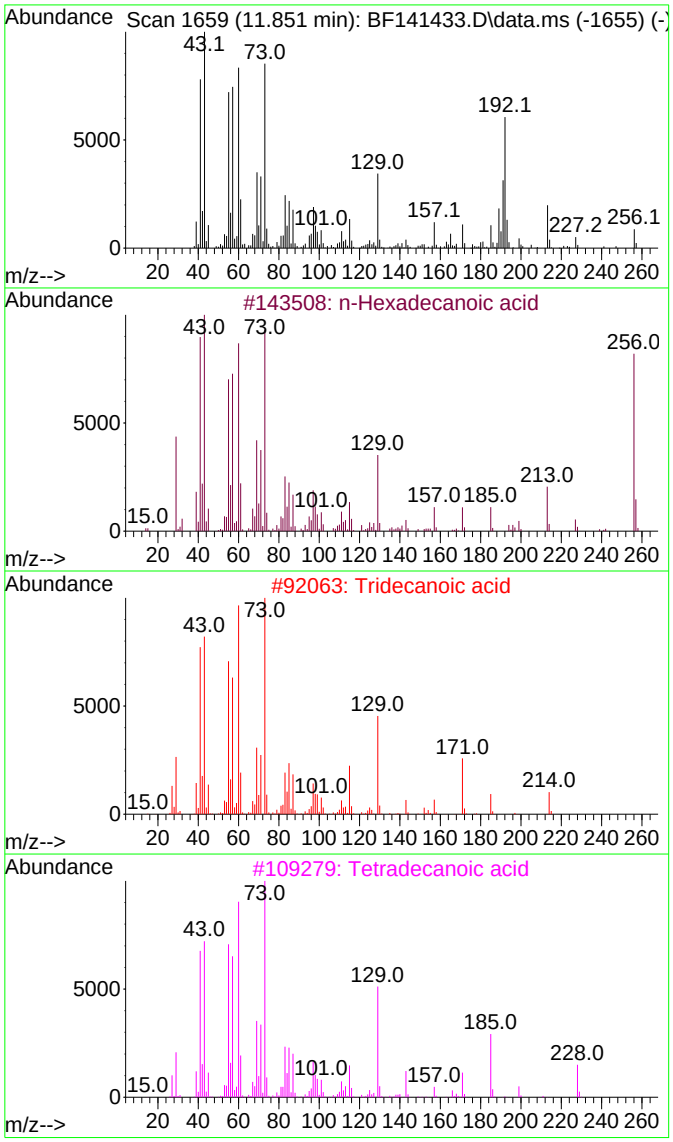
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

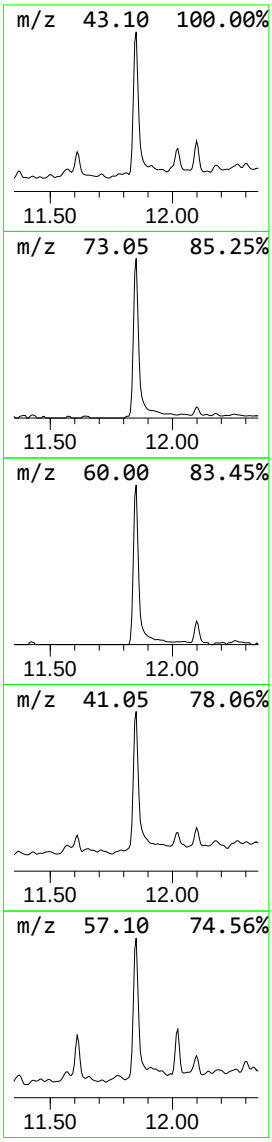
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	11.25 ng	376573	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

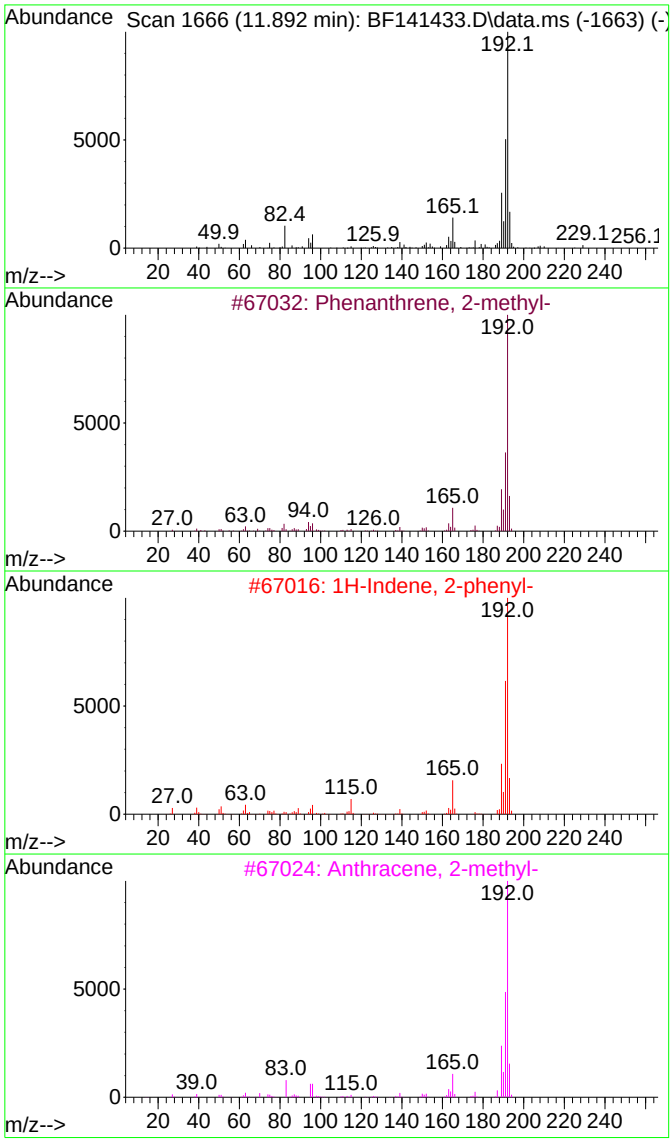
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

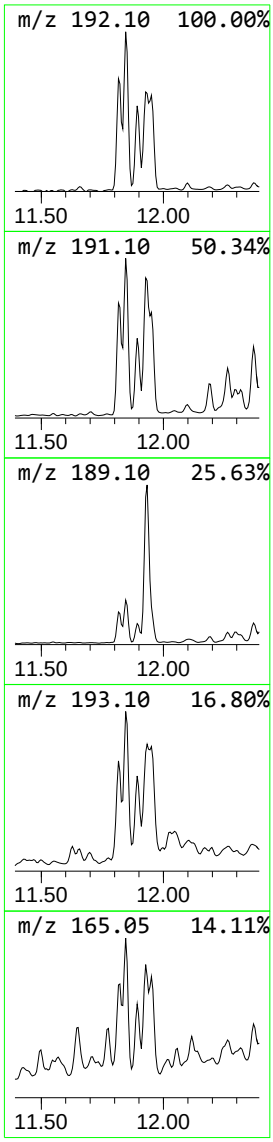
****

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	2.45 ng	82006	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Sample Results: **BF141433.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

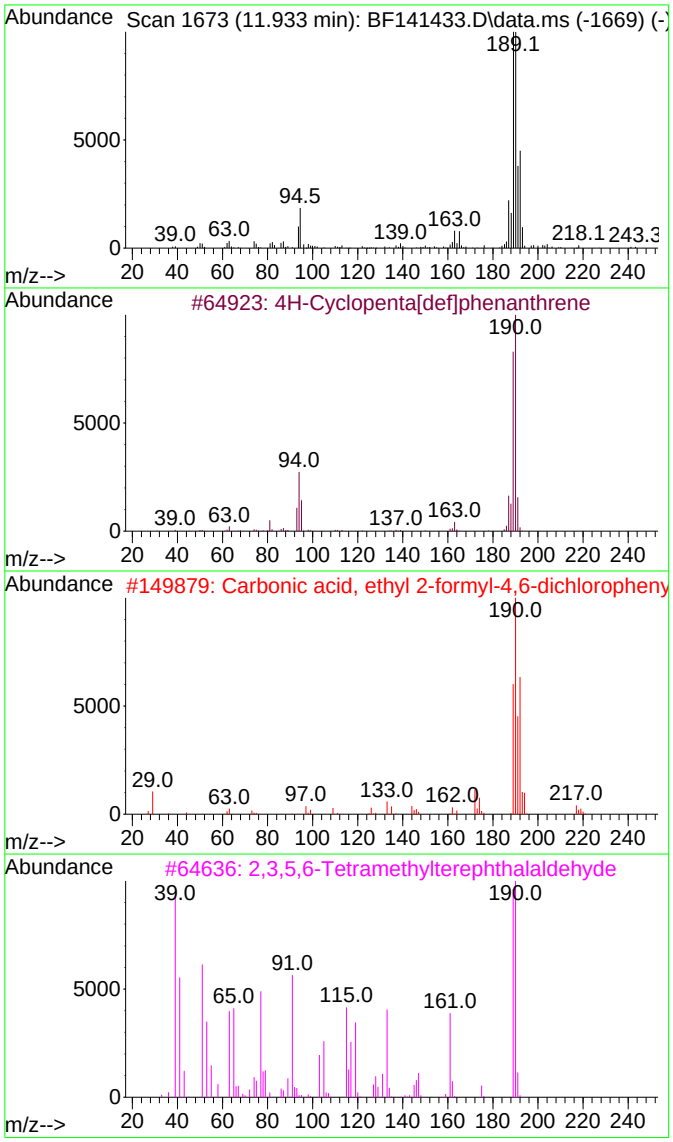
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

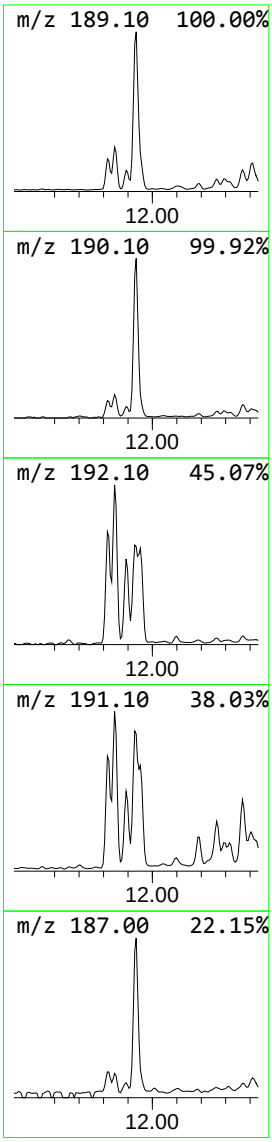
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	7.34 ng	245902	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





Sample Results: **BF141433.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

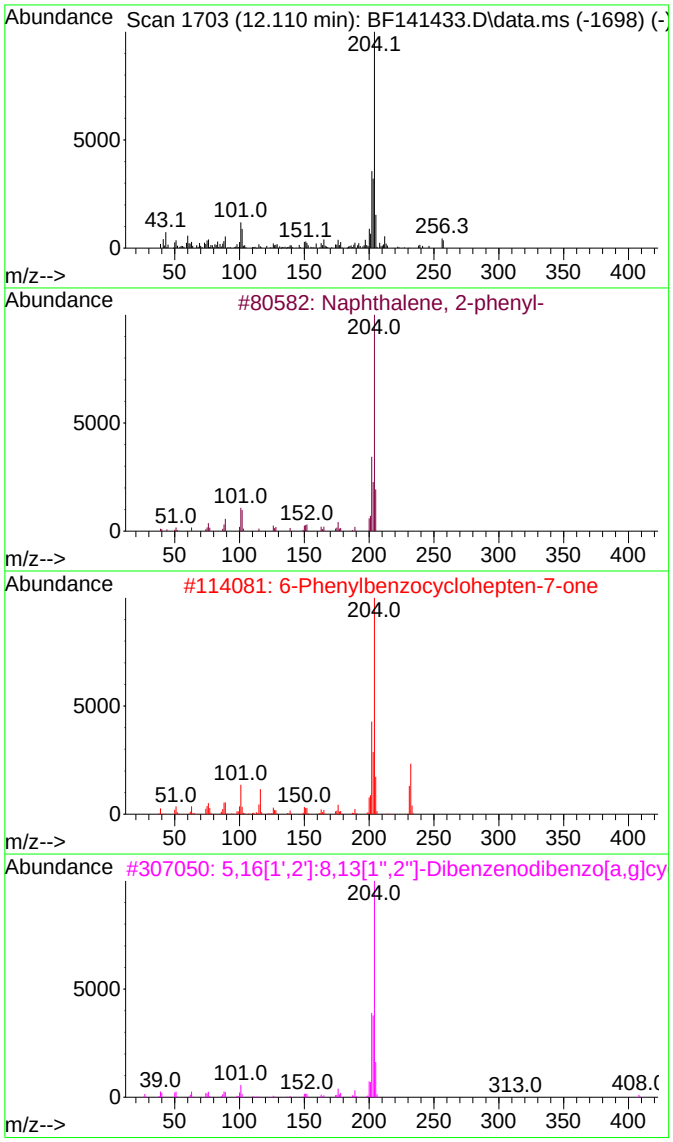
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

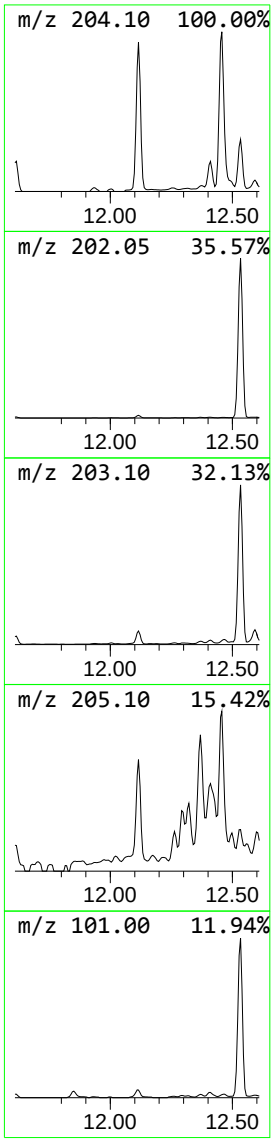
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	3.42 ng	114505	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

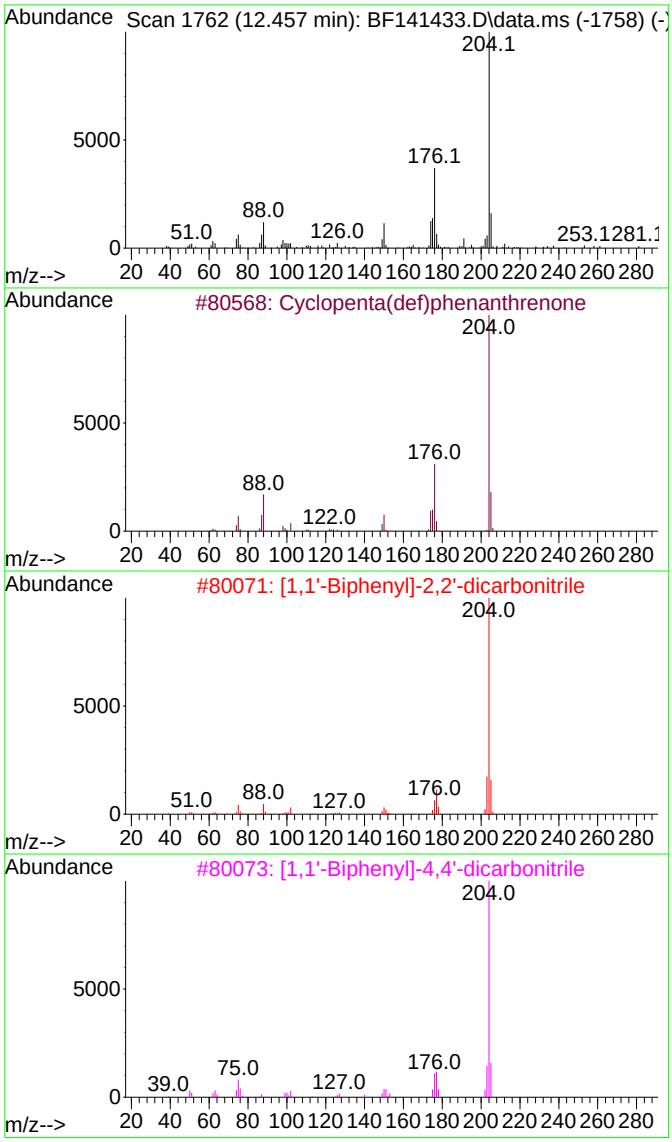
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

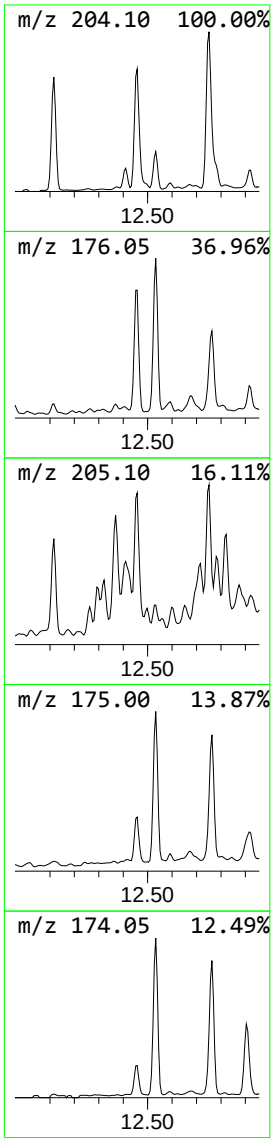
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	2.59 ng	86737	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

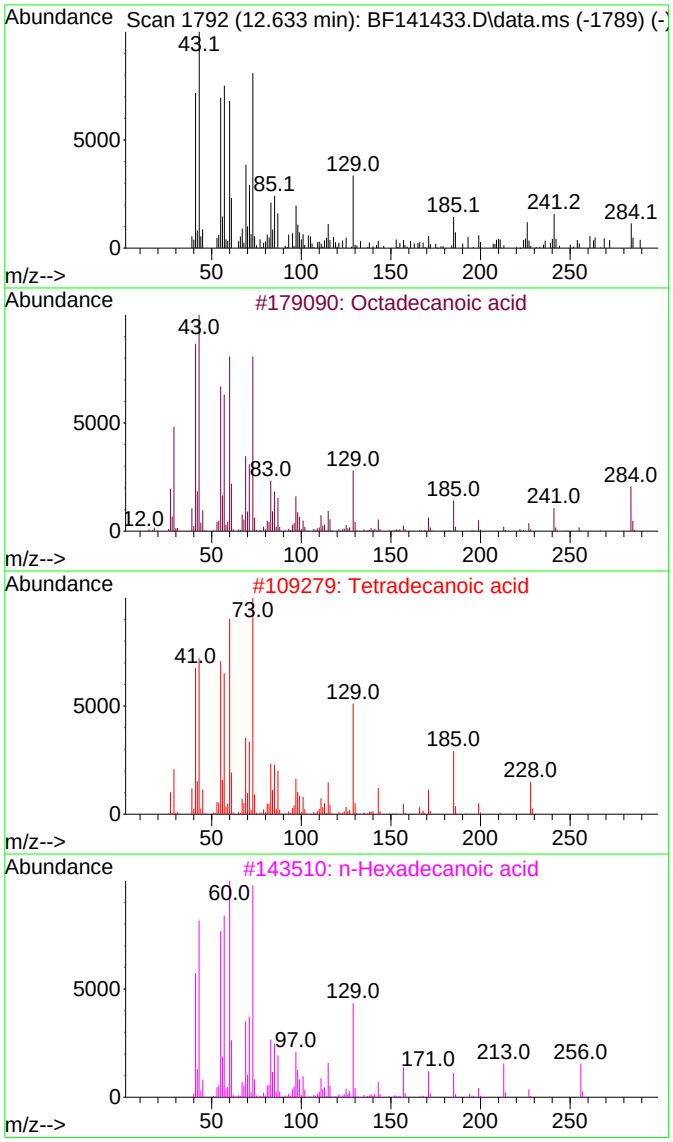
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

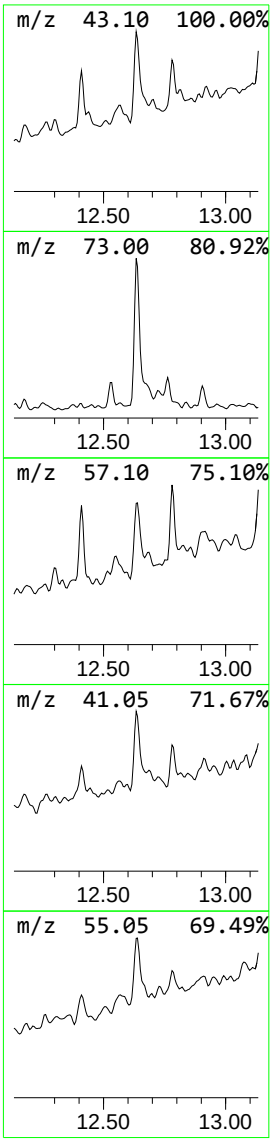
****

Peak Number 10 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	2.11 ng	70774	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
5	Tridecanoic acid	214	C13H26O2	000638-53-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

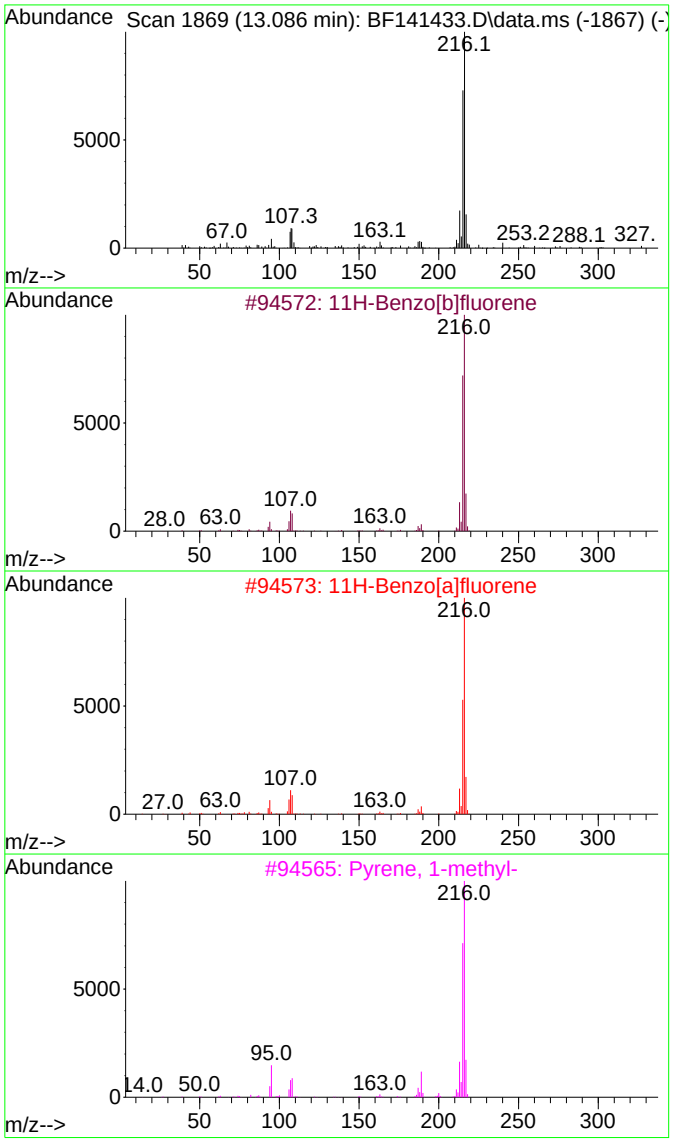
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

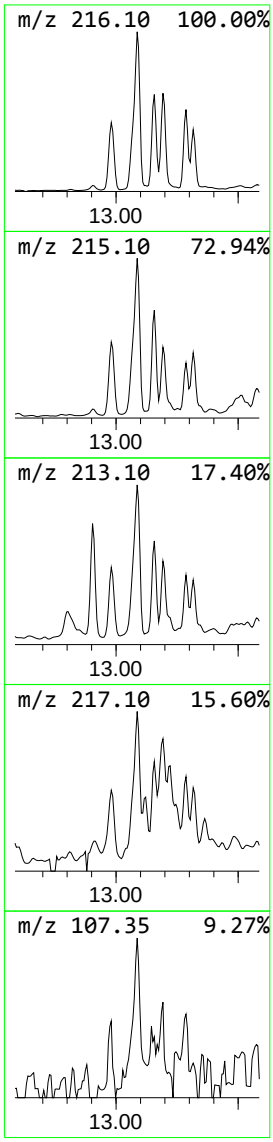
****

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	2.04 ng	123991	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

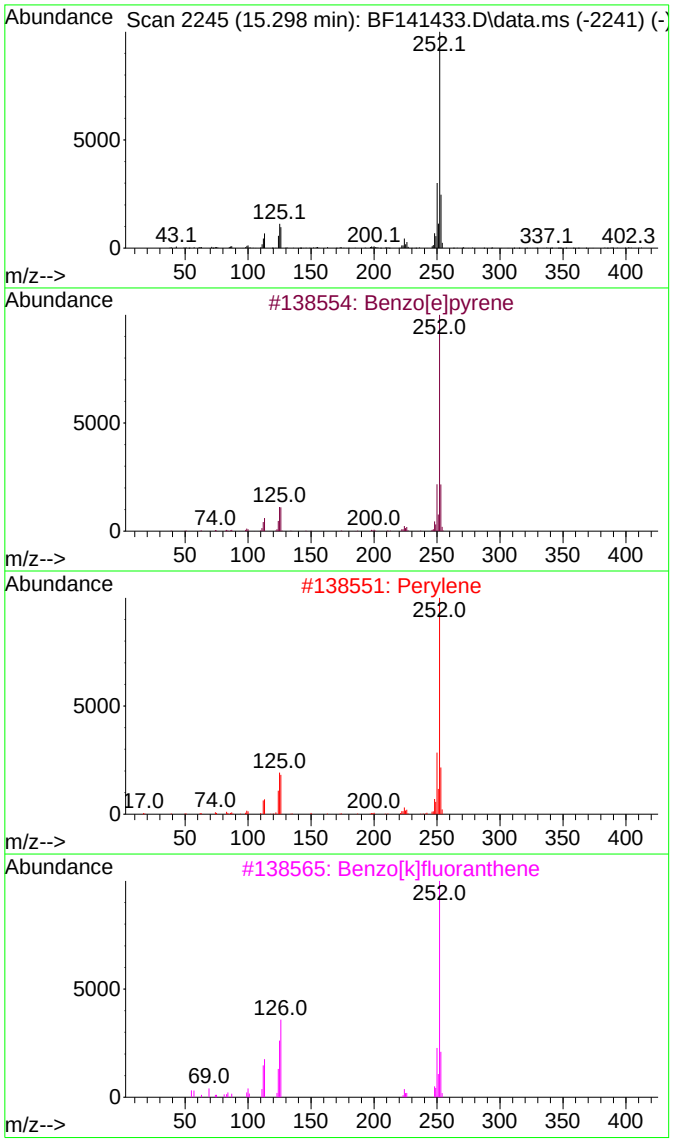
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

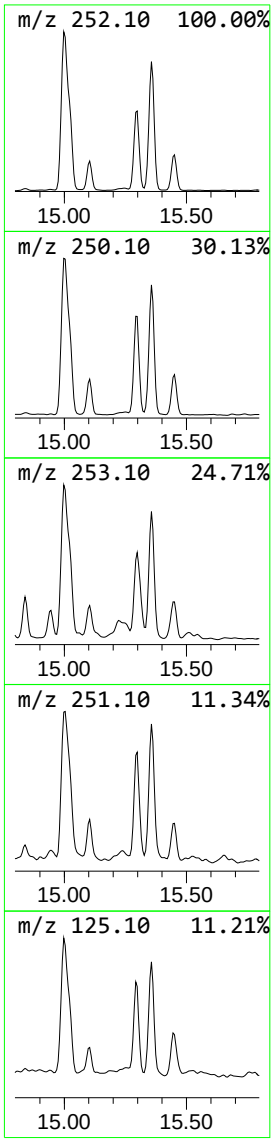
****

Peak Number 12 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	20.82 ng	314234	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Sample Results: **BF141433.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141433.D
Acq On : 05 Feb 2025 02:07
Operator : RC/JU
Sample : Q1241-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.3-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(S)-(+)-1,2-Pro...	3.187	6.0	ng	147733	1	6.793	494663	20.0
2-Pentanone, 4-...	4.987	3.1	ng	77477	1	6.793	494663	20.0
Benzophenone	10.539	5.8	ng	215732	3	9.828	749263	20.0
Phenanthrene, 2...	11.816	2.2	ng	73396	4	11.316	669627	20.0
n-Hexadecanoic ...	11.851	11.3	ng	376573	4	11.316	669627	20.0
1H-Indene, 2-ph...	11.892	2.5	ng	82006	4	11.316	669627	20.0
4H-Cyclopenta[d...	11.933	7.3	ng	245902	4	11.316	669627	20.0
Naphthalene, 2-...	12.110	3.4	ng	114505	4	11.316	669627	20.0
Cyclopenta(def)...	12.457	2.6	ng	86737	4	11.316	669627	20.0
Octadecanoic acid	12.633	2.1	ng	70774	4	11.316	669627	20.0
11H-Benzo[b]flu...	13.086	2.0	ng	123991	5	13.963	1215120	20.0
Benzo[e]pyrene	15.298	20.8	ng	314234	6	15.416	301838	20.0

Raw Data: **BF141521.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141521.D	1	01/31/25 10:20	02/07/25 21:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	210	370	ug/Kg
108-95-2	Phenol	190	U	93.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	94.3	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	94.1	190	ug/Kg
95-48-7	2-Methylphenol	190	U	90.8	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	UQ	97.9	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	89.9	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.2	U	45.4	90.2	ug/Kg
67-72-1	Hexachloroethane	190	U	93.5	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	95.3	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	96.7	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	85.1	190	ug/Kg
91-20-3	Naphthalene	110	J	93.1	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	93.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	93.9	190	ug/Kg
105-60-2	Caprolactam	370	U	97.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	87.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	93.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	80.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	83.4	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	98.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	93.9	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	92.1	190	ug/Kg

Raw Data: **BF141521.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141521.D	1	01/31/25 10:20	02/07/25 21:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	97.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	93.8	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	210		91.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	370	U	130	370	ug/Kg
132-64-9	Dibenzofuran	110	J	95.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	97.1	190	ug/Kg
84-66-2	Diethylphthalate	190	U	90.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	96.5	190	ug/Kg
86-73-7	Fluorene	160	J	96.4	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	92.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	88.9	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	95.8	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	87.1	370	ug/Kg
85-01-8	Phenanthrene	1200		94.7	190	ug/Kg
120-12-7	Anthracene	350		95.1	190	ug/Kg
86-74-8	Carbazole	190	U	90.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	95.0	190	ug/Kg
206-44-0	Fluoranthene	1800		92.1	190	ug/Kg
129-00-0	Pyrene	1800		93.5	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	U	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	940		91.0	190	ug/Kg
218-01-9	Chrysene	830		89.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	J	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		91.4	190	ug/Kg

Raw Data: **BF141521.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141521.D	1	01/31/25 10:20	02/07/25 21:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	430		93.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	950		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	450		88.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	J	91.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	510		90.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	97.8	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	84.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	17.5	*	18 - 112	12%	SPK: 150
13127-88-3	Phenol-d6	74.0		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.2		18 - 107	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.7		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	5.35	*	10 - 116	4%	SPK: 150
1718-51-0	Terphenyl-d14	66.4		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79800	6.792			
1146-65-2	Naphthalene-d8	308000	8.075			
15067-26-2	Acenaphthene-d10	141000	9.828			
1517-22-2	Phenanthrene-d10	218000	11.316			
1719-03-5	Chrysene-d12	140000	13.963			
1520-96-3	Perylene-d12	107000	15.421			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	500	AB		4.99	ug/Kg
000629-50-5	Tridecane	210	J		8.66	ug/Kg
000629-59-4	Tetradecane	370	J		9.23	ug/Kg
003386-33-2	Octadecane, 1-chloro-	220	J		9.54	ug/Kg
000544-76-3	Hexadecane	300	J		9.76	ug/Kg
000629-92-5	Nonadecane	380	J		10.3	ug/Kg
062108-26-3	Decane, 2,6,8-trimethyl-	200	J		10.5	ug/Kg

Raw Data: **BF141521.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141521.D	1	01/31/25 10:20	02/07/25 21:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000119-61-9	Benzophenone	240	J		10.5	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	700	J		10.7	ug/Kg
000593-45-3	Octadecane	350	J		11.2	ug/Kg
000268-77-9	Naphtho[2,3-b]thiophene	270	J		11.2	ug/Kg
002050-77-3	Decane, 1-iodo-	250	J		11.6	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	360	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	480	J		11.9	ug/Kg
000629-62-9	Pentadecane	210	J		12.0	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	180	J		12.1	ug/Kg
002221-95-6	(1S,4aS,4bS,7S,8aS,10aS)-7-Isoprop	190	J		12.2	ug/Kg
038754-94-8	s-Indacen-1(2H)-one, 3,5,6,7-tetra	1200	J		12.3	ug/Kg
000629-94-7	Heneicosane	250	J		12.4	ug/Kg
000483-65-8	Retene	610	J		13.0	ug/Kg

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

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 07 22:27:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	79798	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	308399	20.000	ng		0.00
39) Acenaphthene-d10	9.828	164	141432	20.000	ng		0.00
64) Phenanthrene-d10	11.316	188	218291	20.000	ng		0.00
76) Chrysene-d12	13.963	240	140468	20.000	ng		0.00
86) Perylene-d12	15.421	264	106816	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	88842	17.454	ng		0.00
7) Phenol-d6	6.428	99	476222	74.024	ng		-0.01
23) Nitrobenzene-d5	7.351	82	368037	62.245	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	7602	5.351	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	630781	68.712	ng		0.00
79) Terphenyl-d14	12.904	244	552444	66.394	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.092	128	45870	2.857	ng		99
52) Acenaphthene	9.857	154	45357	5.594	ng		99
55) Dibenzofuran	10.033	168	36271	3.048	ng	#	95
58) Fluorene	10.375	166	38897	4.227	ng	#	97
71) Phenanthrene	11.339	178	391909	32.616	ng		100
72) Anthracene	11.392	178	113705	9.413	ng		99
73) Carbazole	11.551	167	23356	2.149	ng	#	92
75) Fluoranthene	12.533	202	619098	48.598	ng		99
78) Pyrene	12.763	202	568355	47.531	ng		99
81) Benzo(a)anthracene	13.951	228	233053	24.959	ng		98
83) Chrysene	13.986	228	189598	21.991	ng		96
84) Bis(2-ethylhexyl)phtha...	13.945	149	15604m	3.340	ng		
87) Indeno(1,2,3-cd)pyrene	16.868	276	79111	11.986	ng		94
88) Benzo(b)fluoranthene	15.004	252	198351m	27.656	ng		
89) Benzo(k)fluoranthene	15.015	252	69515m	11.351	ng		
90) Benzo(a)pyrene	15.357	252	146369	25.221	ng	#	93
91) Dibenzo(a,h)anthracene	16.874	278	19042	3.561	ng	#	75
92) Benzo(g,h,i)perylene	17.304	276	76046	13.588	ng		97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 07 22:27:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Manual Integrations APPROVED

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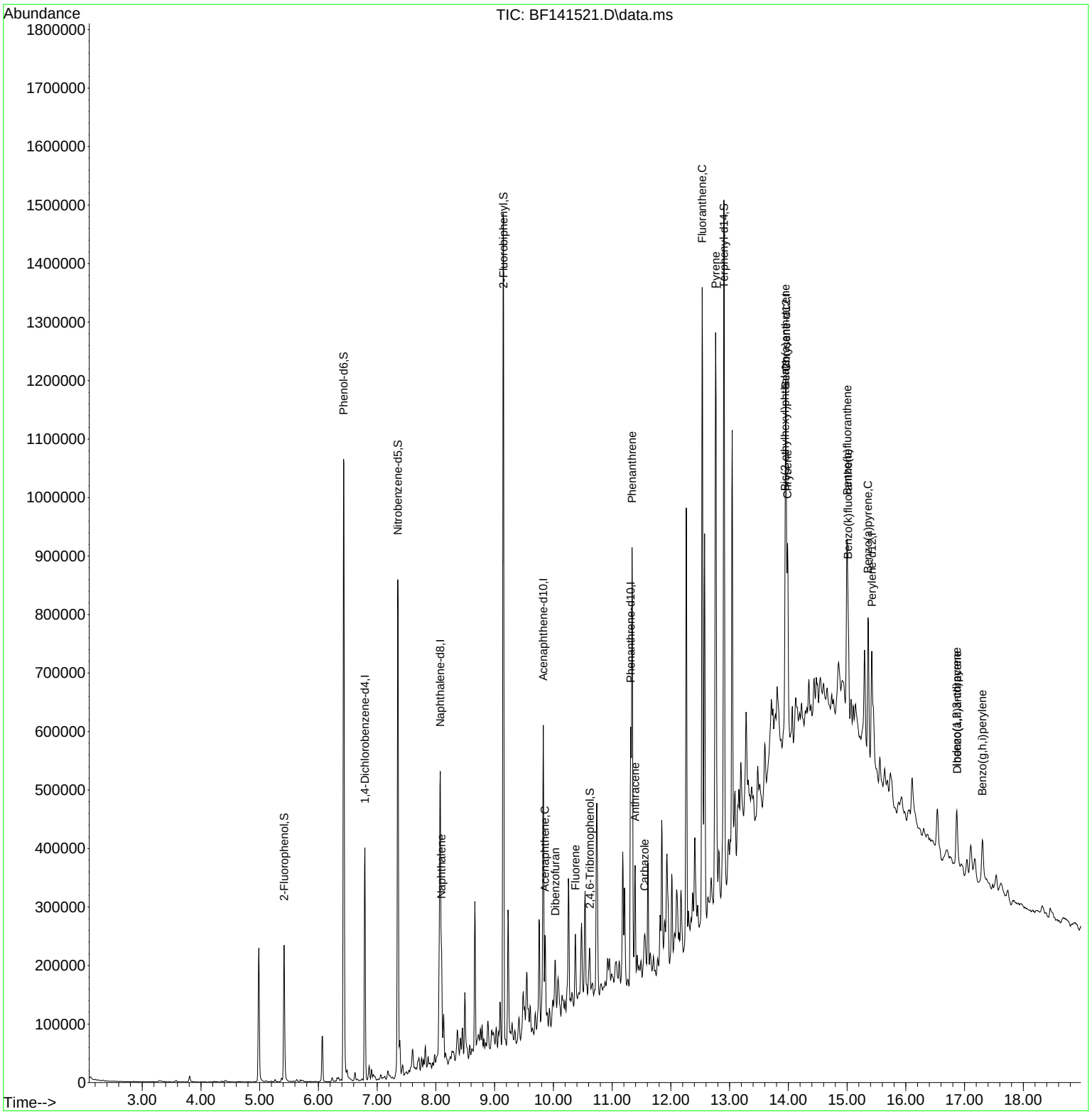
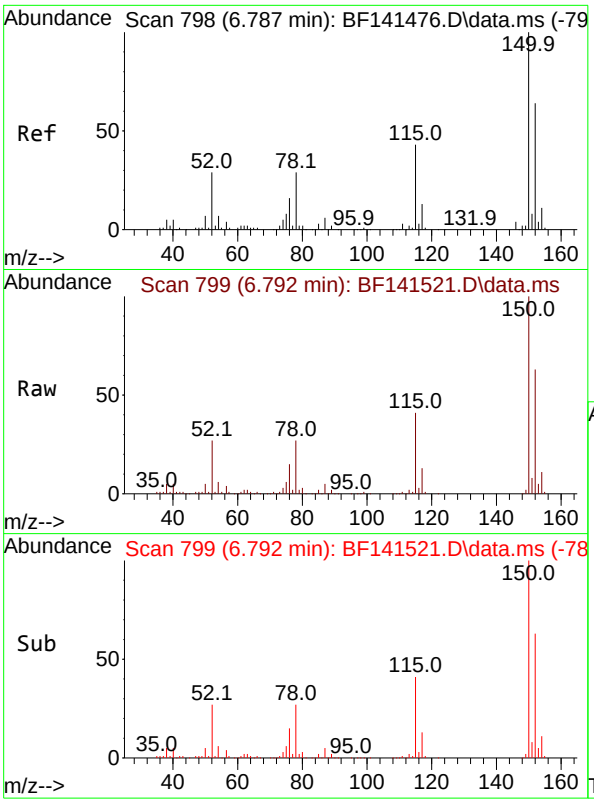
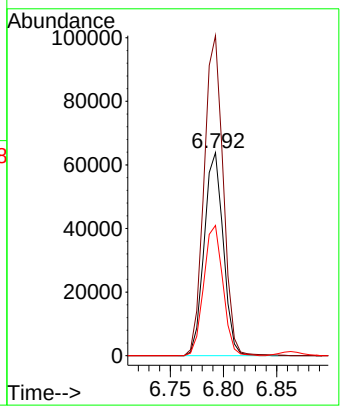




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:152 Resp: 7979

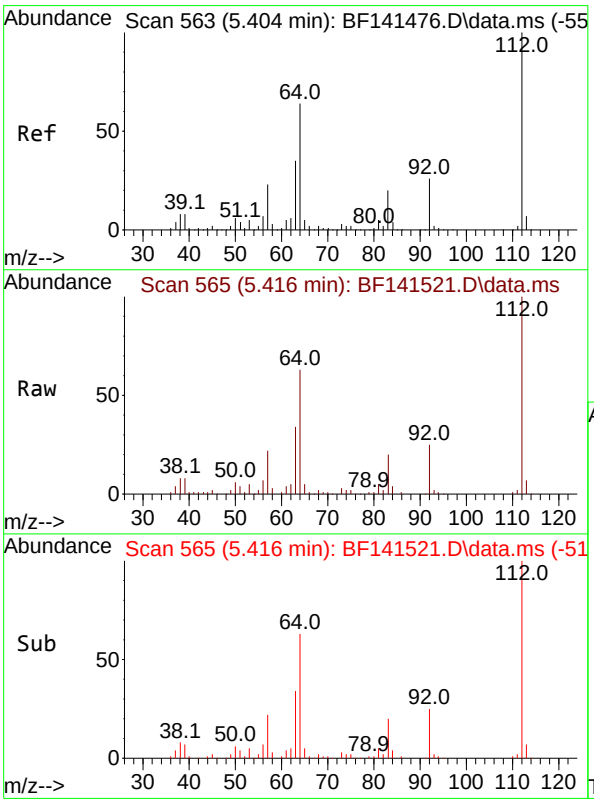
Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.0	187.4
115	64.1	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Manual Integrations
APPROVED

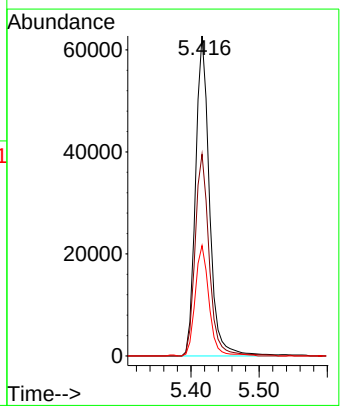
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

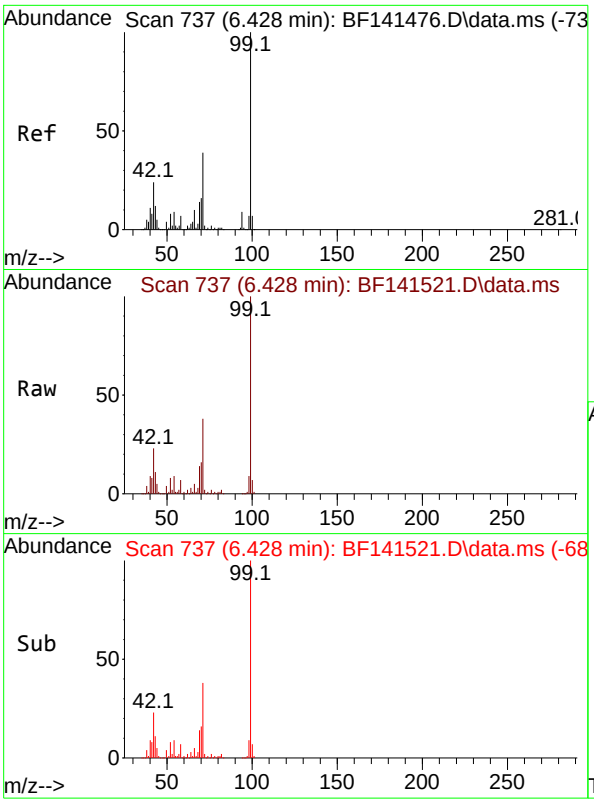


#5
2-Fluorophenol
Concen: 17.454 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:112 Resp: 88842

Ion	Ratio	Lower	Upper
112	100		
64	63.0	51.1	76.7
63	34.5	28.4	42.6

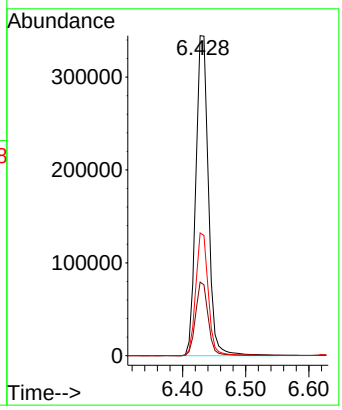




#7
Phenol-d6
Concen: 74.024 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion: 99 Resp: 47622

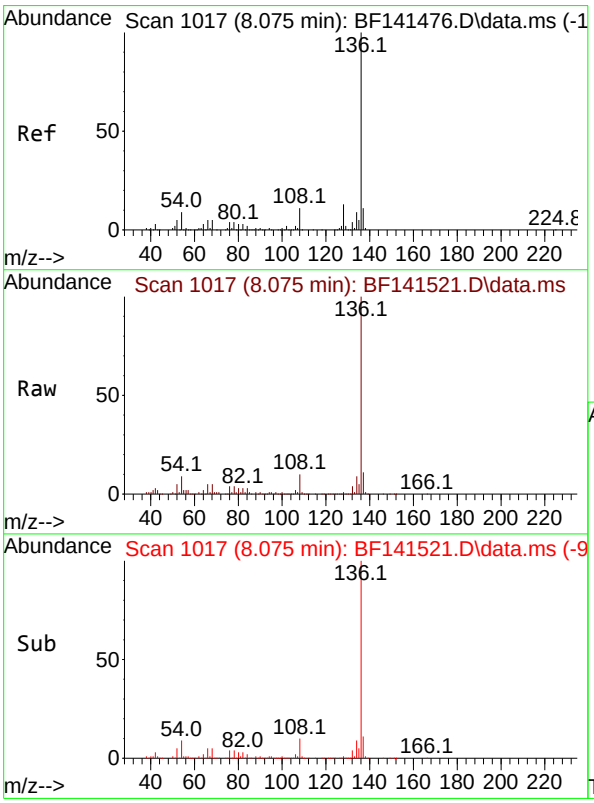
Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.1	28.7
71	38.4	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Manual Integrations
APPROVED

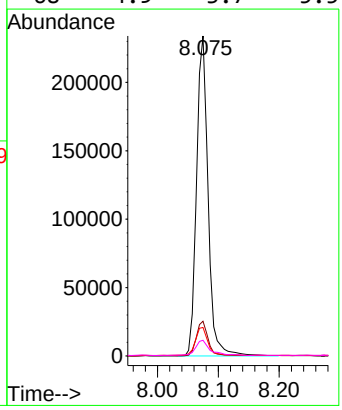
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

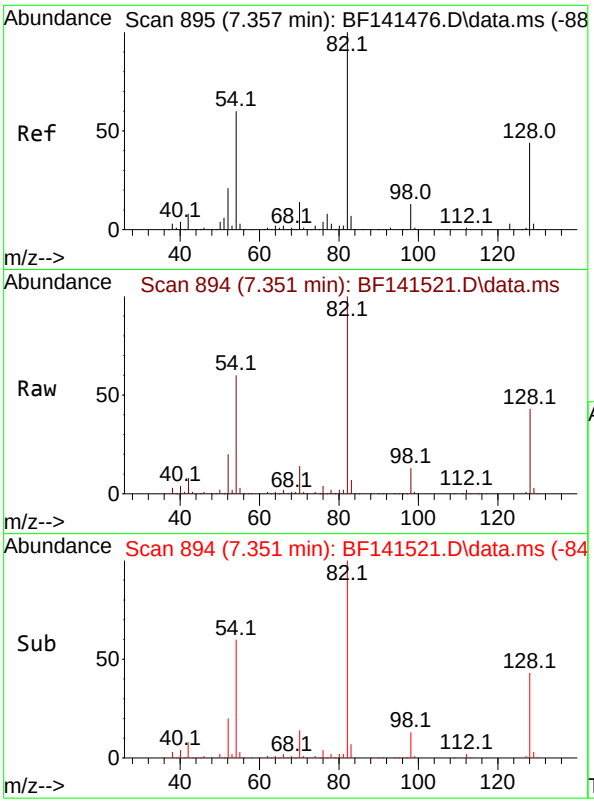


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:136 Resp: 308399

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.9	7.2	10.8
68	4.9	3.7	5.5





#23
Nitrobenzene-d5
Concen: 62.245 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

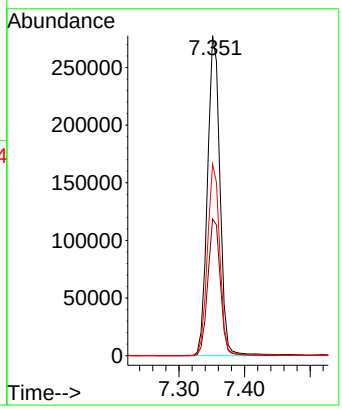
Tgt Ion: 82 Resp: 36803

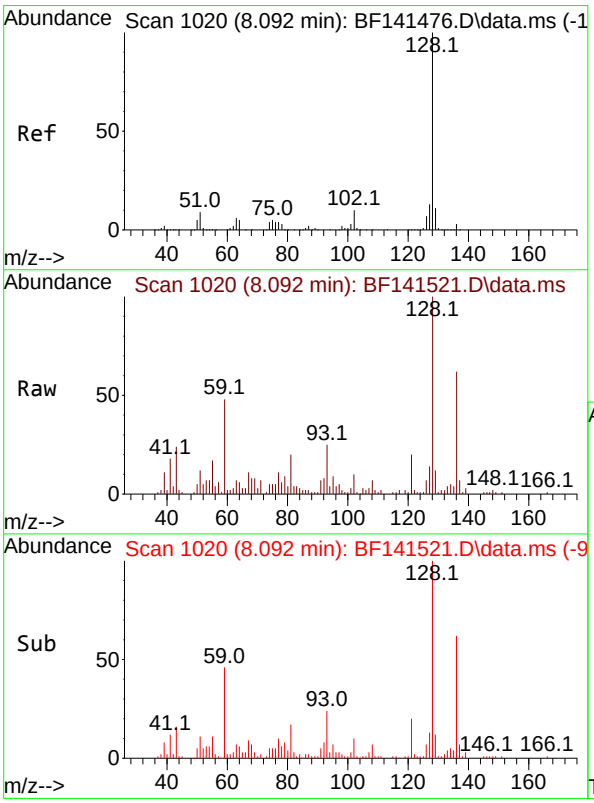
Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	59.9	48.2	72.4

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

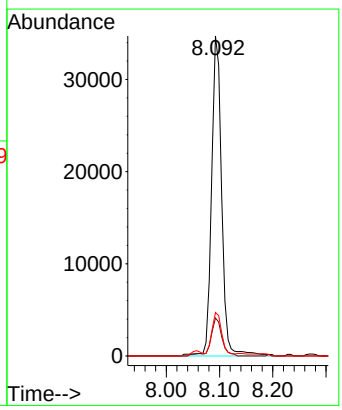


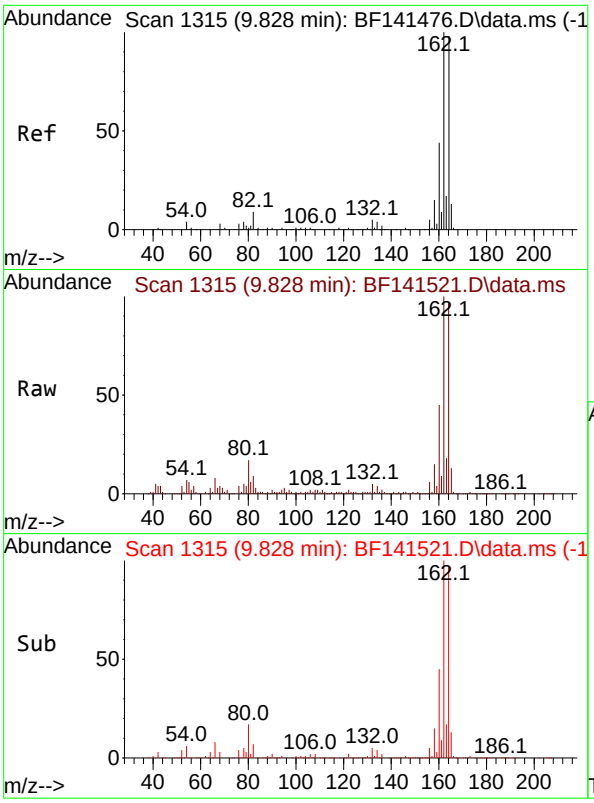


#31
Naphthalene
Concen: 2.857 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:128 Resp: 45870

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	13.6	10.7	16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

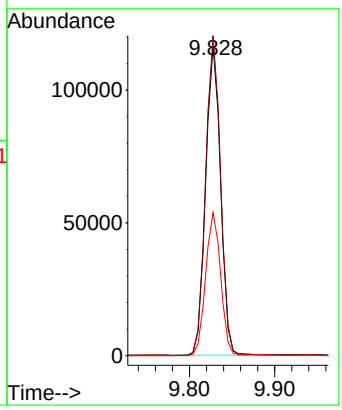
Tgt Ion:164 Resp: 14143

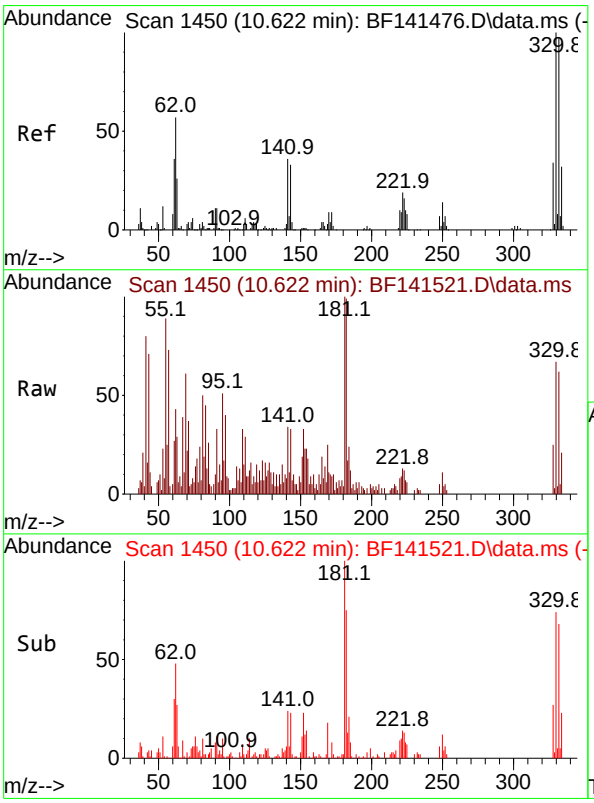
Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.3	121.9
160	46.3	35.9	53.9

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

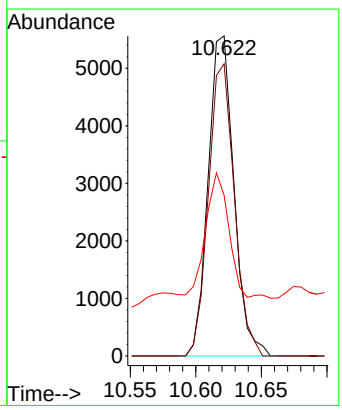


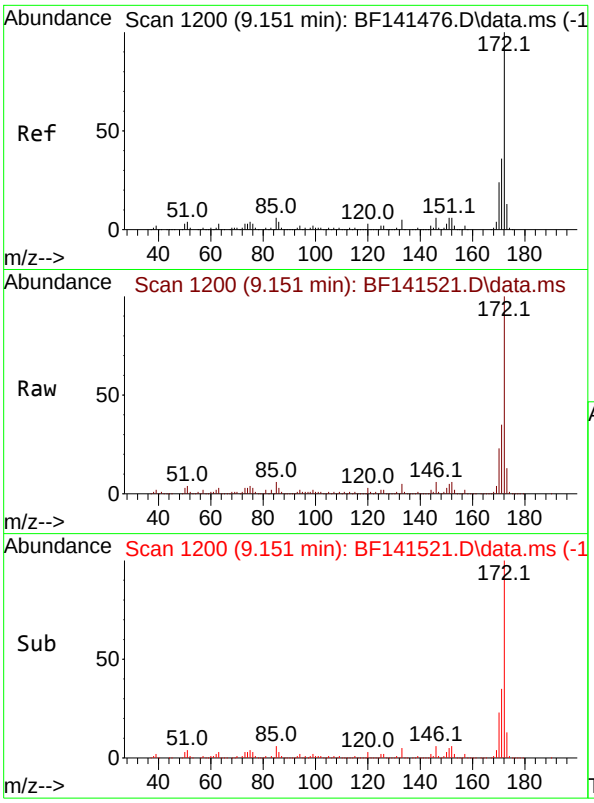


#42
2,4,6-Tribromophenol
Concen: 5.351 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:330 Resp: 7602

Ion	Ratio	Lower	Upper
330	100		
332	91.8	78.5	117.7
141	35.8	31.0	46.4

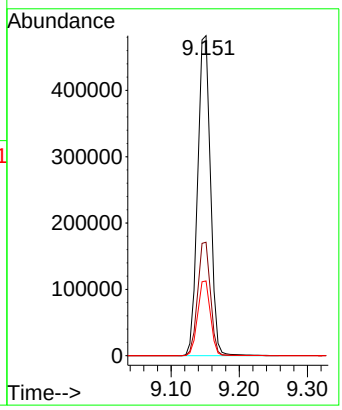




#45
2-Fluorobiphenyl
Concen: 68.712 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:172 Resp: 63078

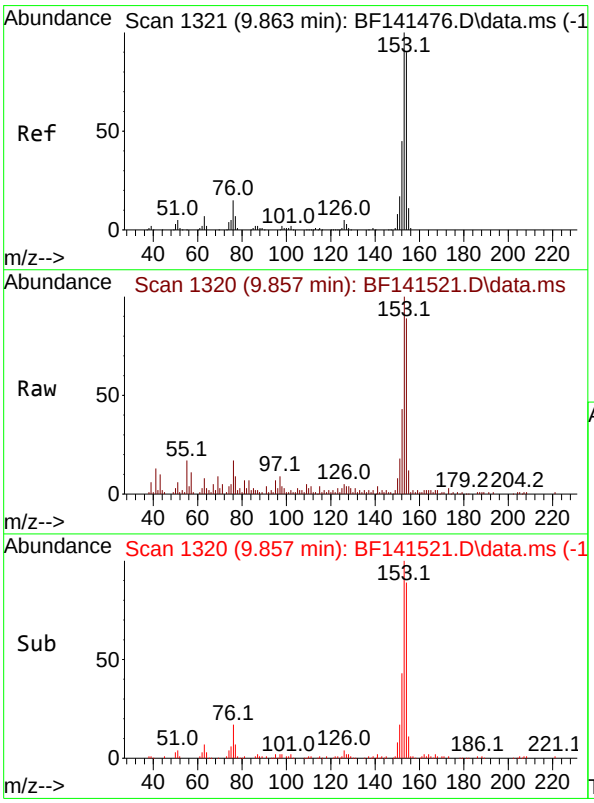
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.3	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Manual Integrations
APPROVED

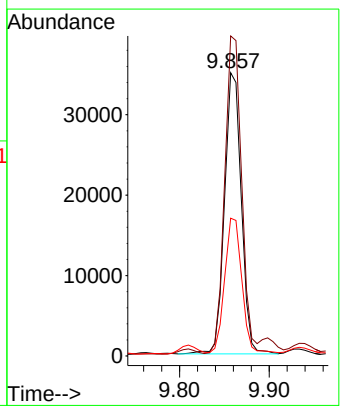
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

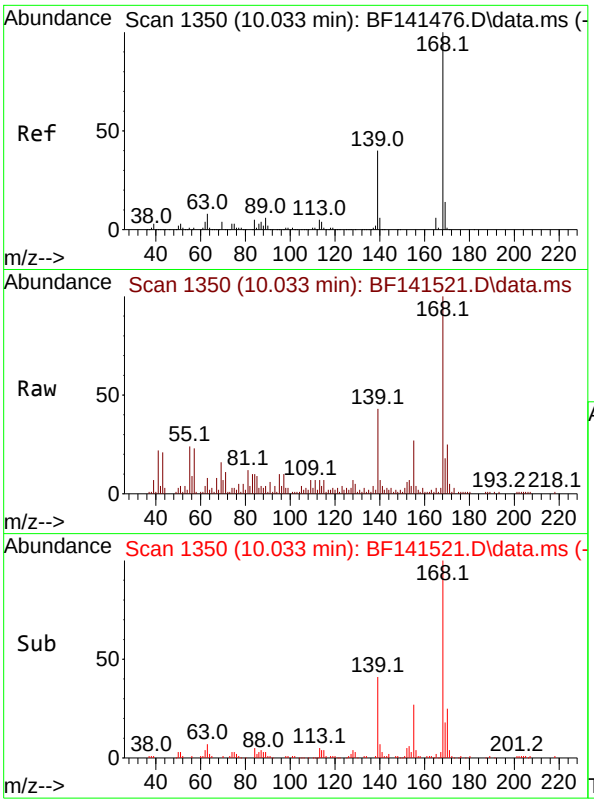


#52
Acenaphthene
Concen: 5.594 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:154 Resp: 45357

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.2	133.8
152	48.7	39.8	59.8

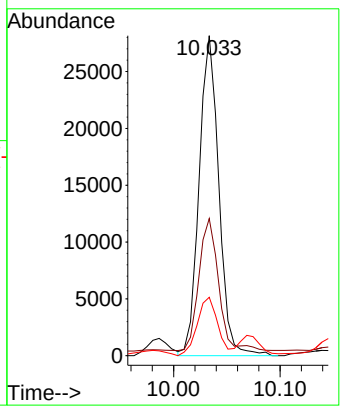




#55
Dibenzofuran
Concen: 3.048 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:168 Resp: 3627

Ion	Ratio	Lower	Upper
168	100		
139	42.9	32.7	49.1
169	18.3	10.8	16.2#



Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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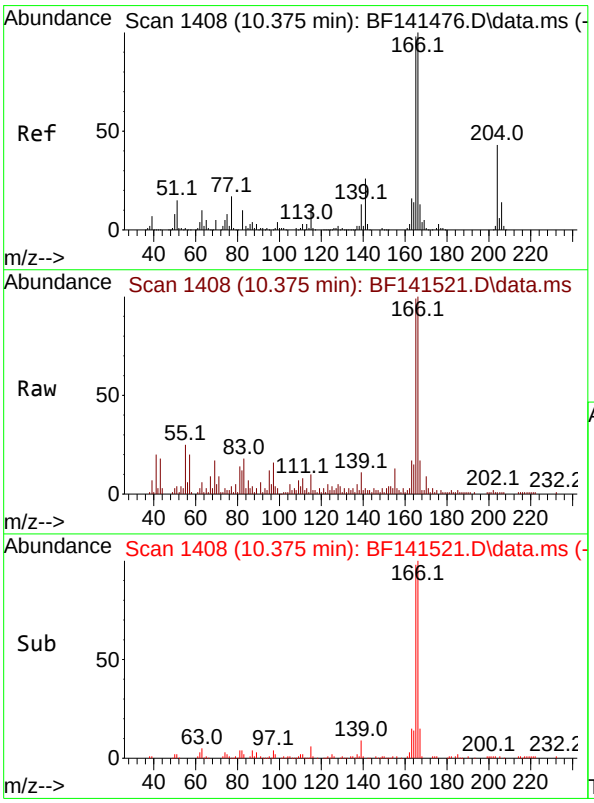
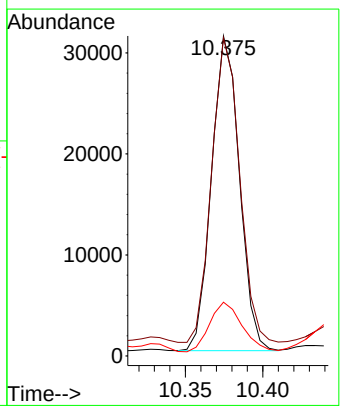
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

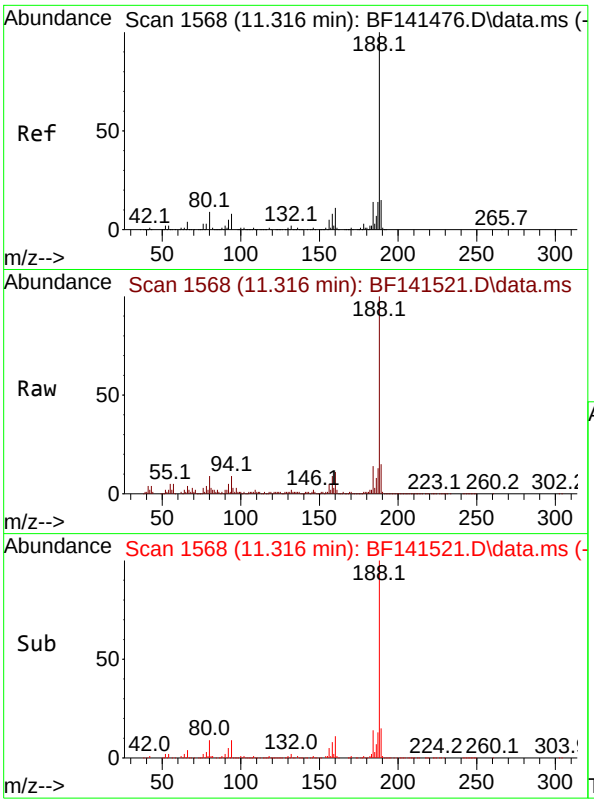


#58
Fluorene
Concen: 4.227 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:166 Resp: 38897

Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.2	117.2
167	16.8	10.7	16.1#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:188 Resp: 21829

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.2	7.3	10.9

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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Reviewed By :Rahul Chavli 02/10/2025
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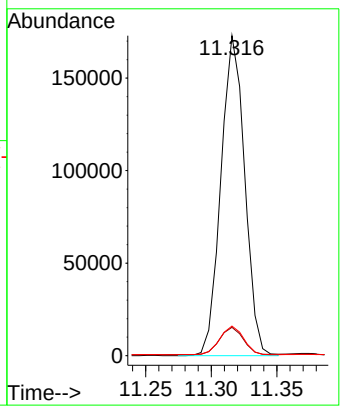
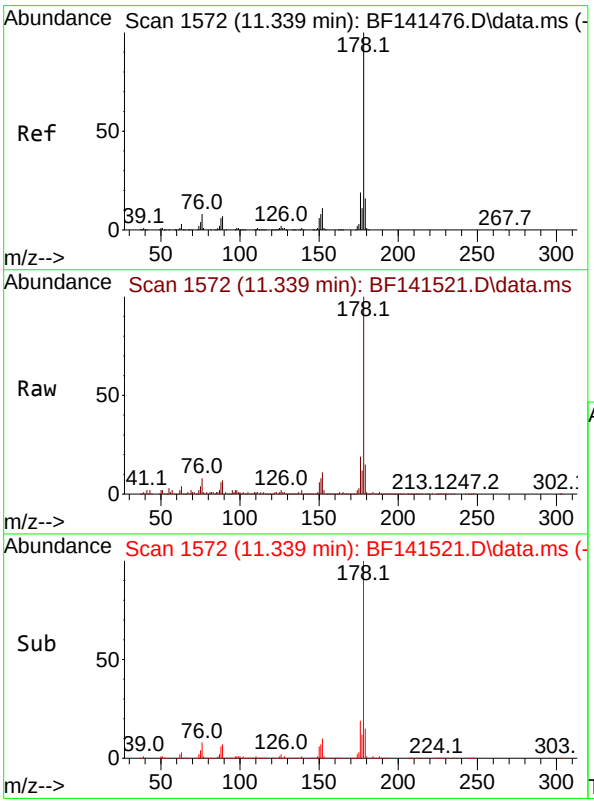
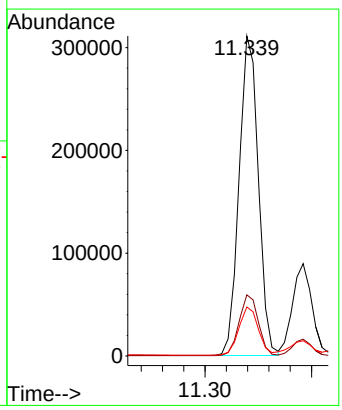


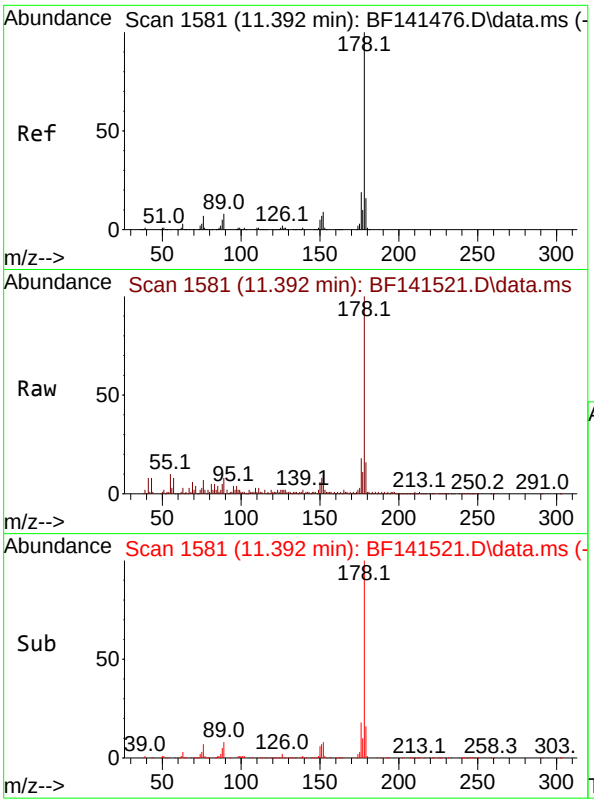


#71
Phenanthrene
Concen: 32.616 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:178 Resp: 391909

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.3	12.4	18.6

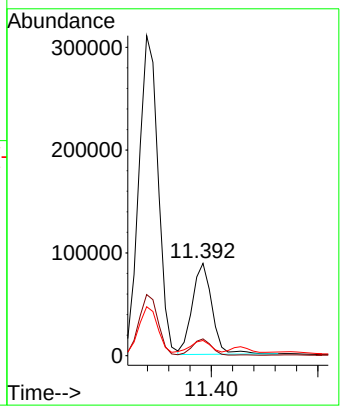




#72
Anthracene
Concen: 9.413 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:178 Resp: 11370

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	16.4	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
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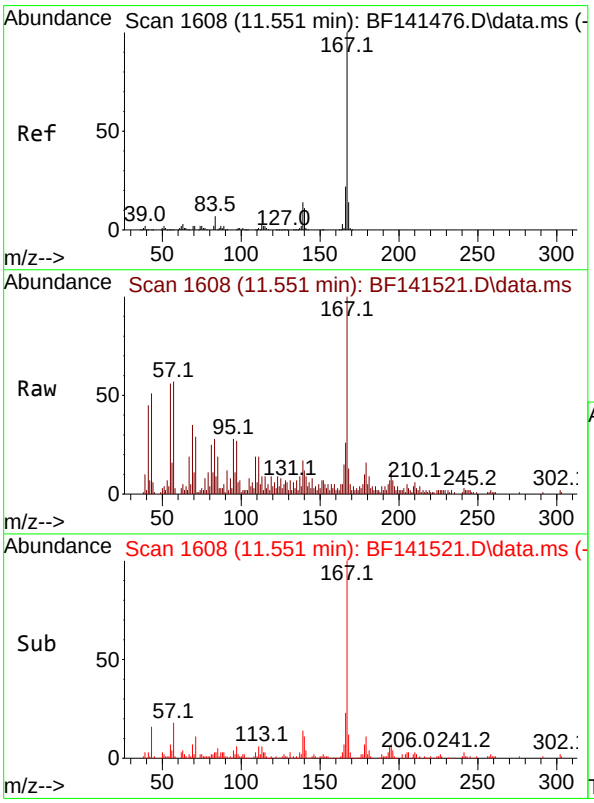
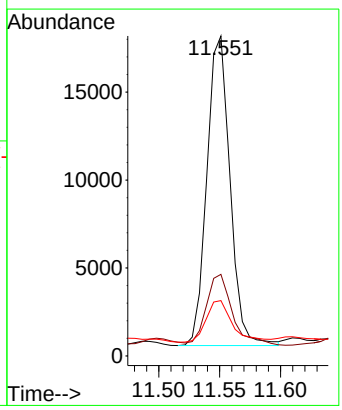
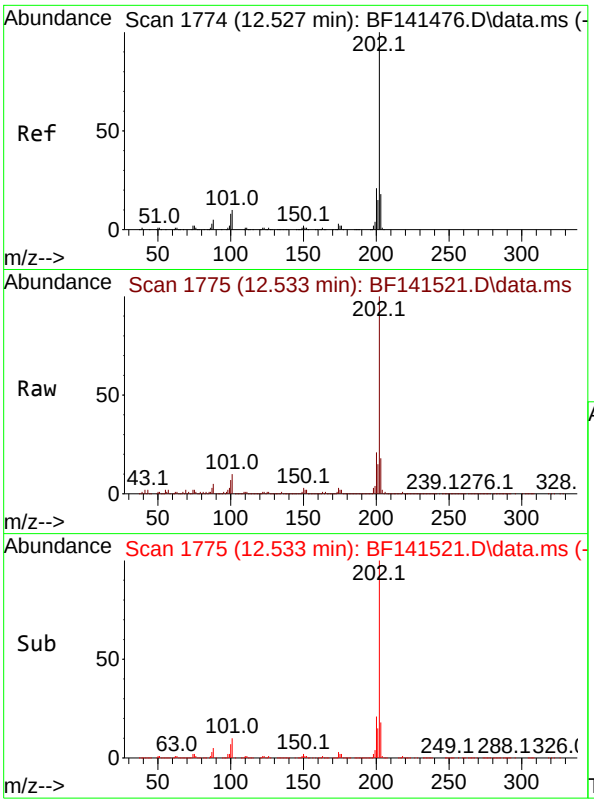


#73
Carbazole
Concen: 2.149 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:167 Resp: 23356

Ion	Ratio	Lower	Upper
167	100		
166	25.5	17.4	26.2
139	17.3	10.9	16.3#





#75
Fluoranthene
Concen: 48.598 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:202 Resp: 619098

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.9	0.0	37.6

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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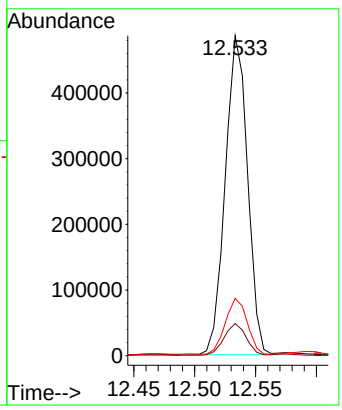
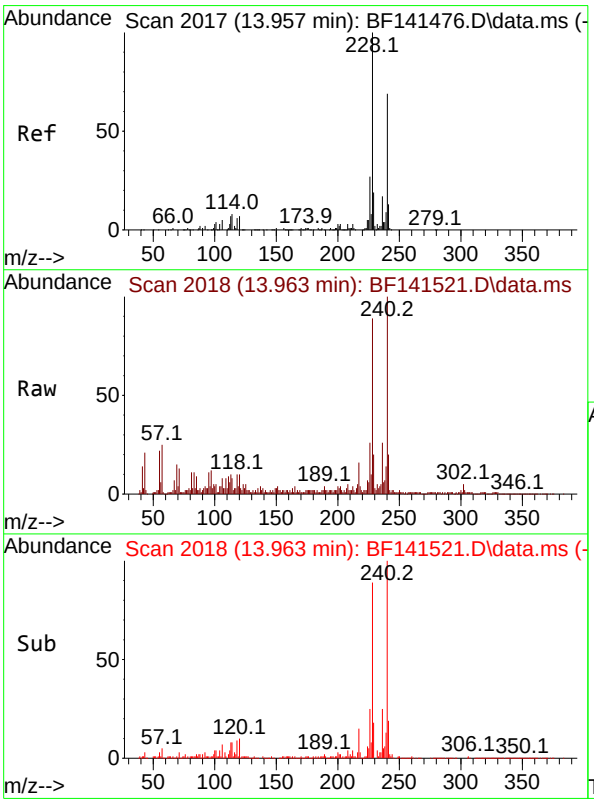
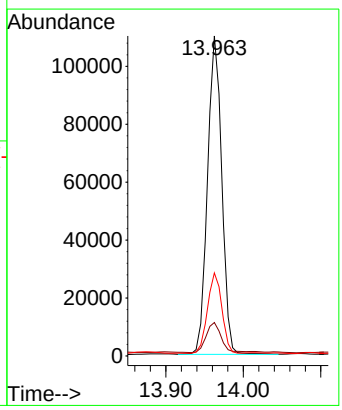


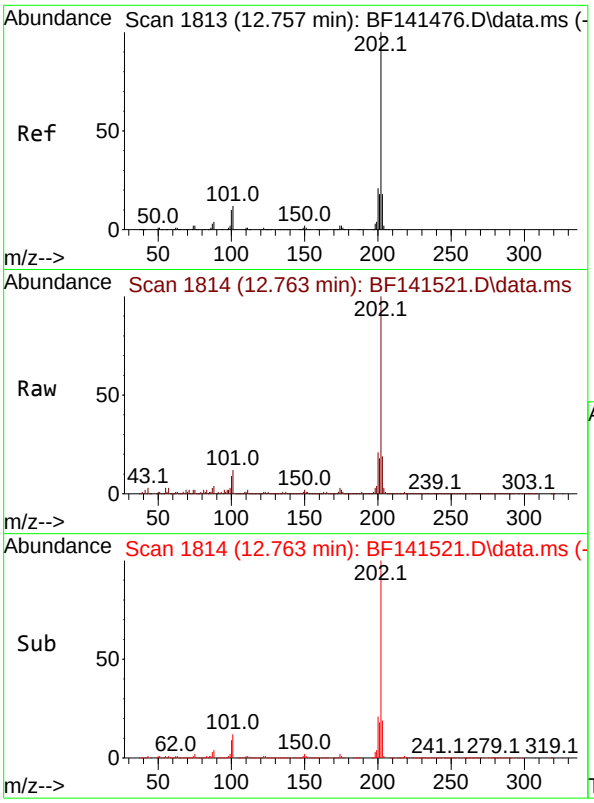


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:240 Resp: 140468

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.0	12.0
236	26.0	19.8	29.8

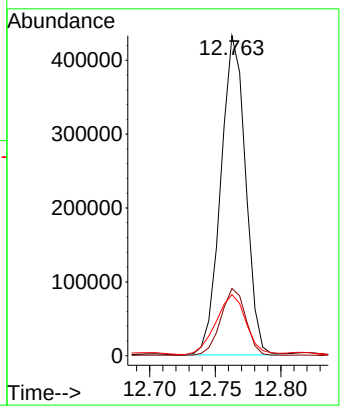




#78
Pyrene
Concen: 47.531 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:202 Resp: 56835

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	19.1	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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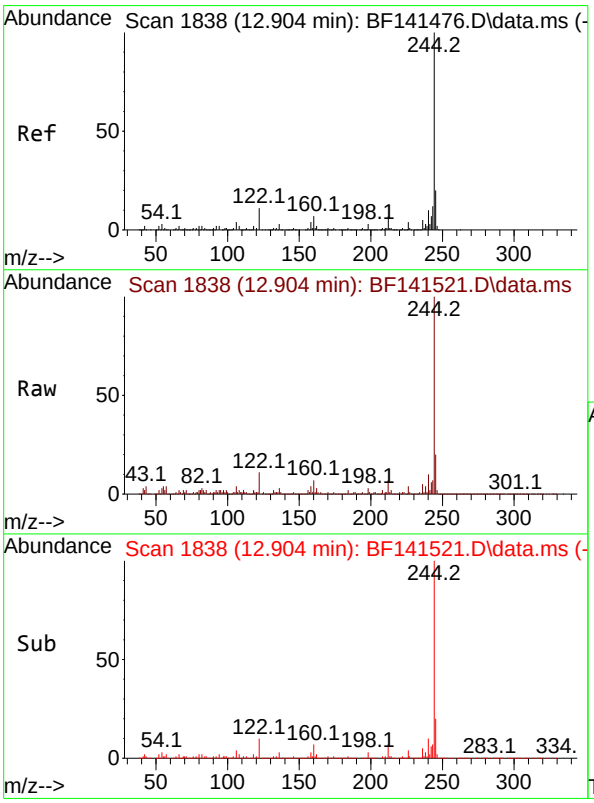
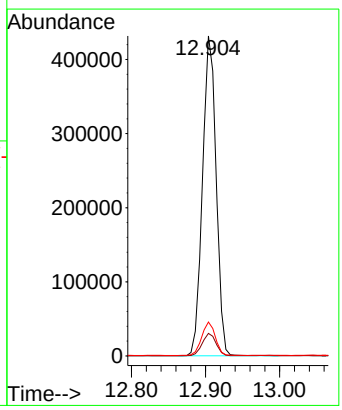
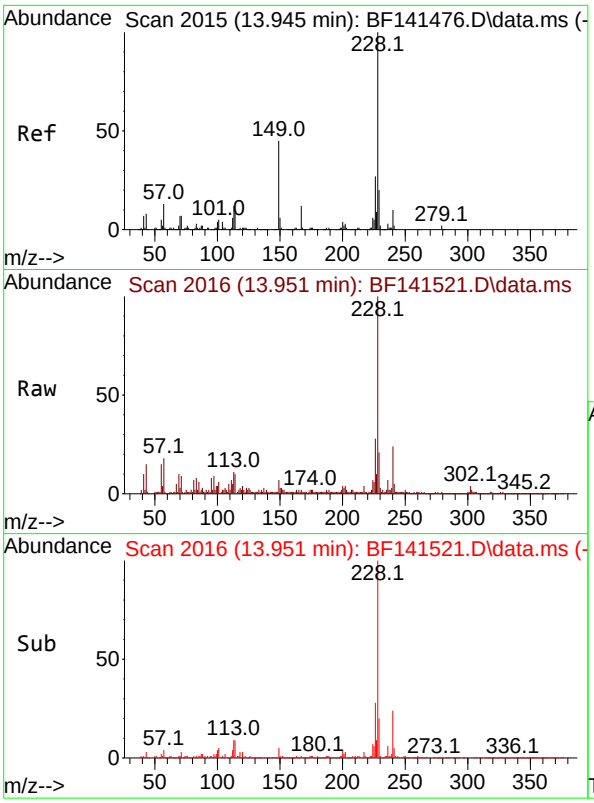


#79
Terphenyl-d14
Concen: 66.394 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:244 Resp: 552444

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.6	8.4	12.6

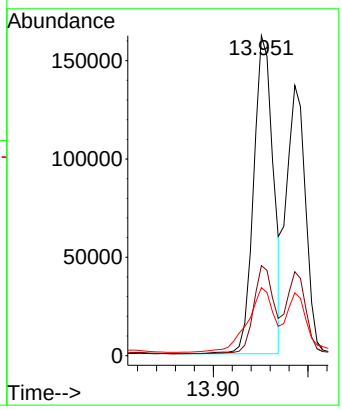




#81
Benzo(a)anthracene
Concen: 24.959 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:228 Resp: 23305

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	21.2	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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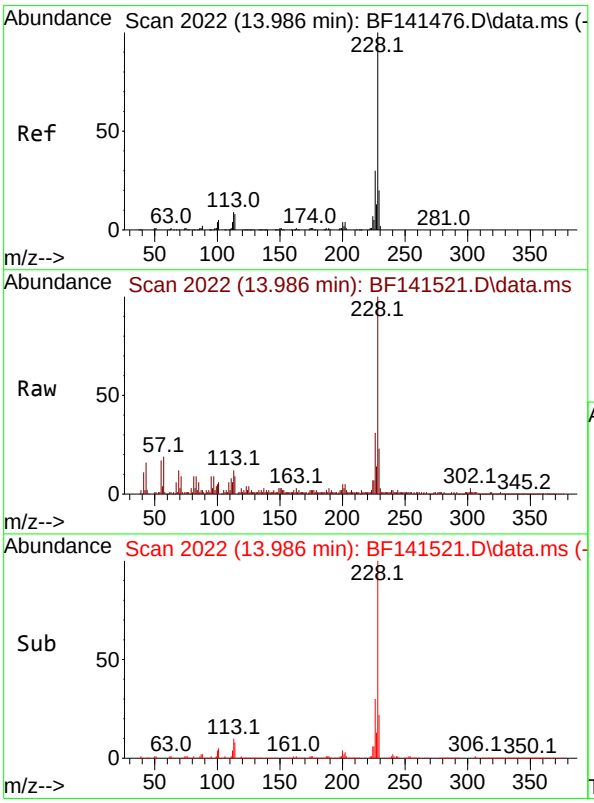
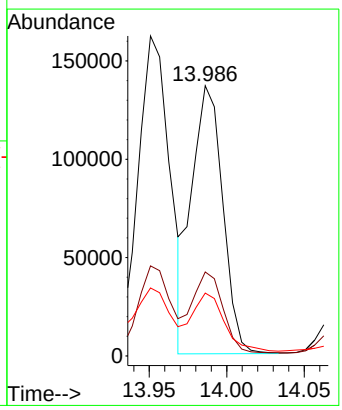
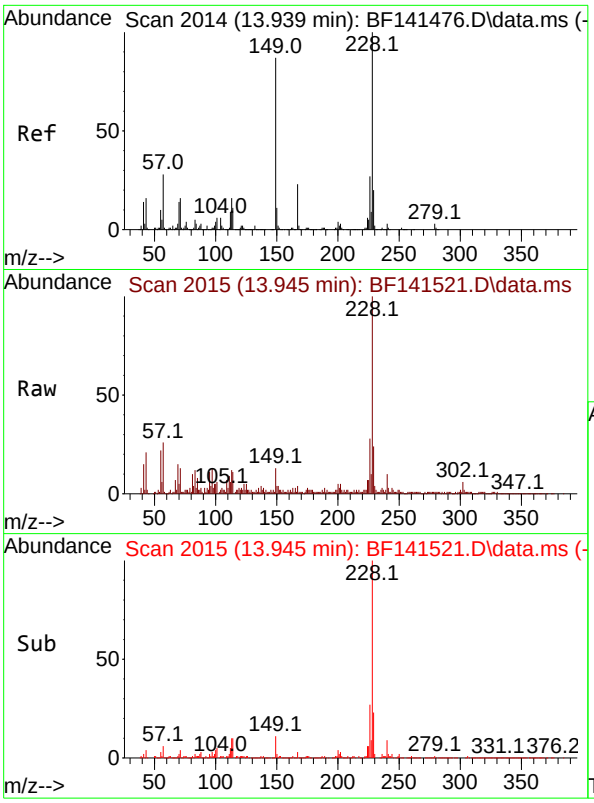


#83
Chrysene
Concen: 21.991 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:228 Resp: 189598

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	23.3	15.7	23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.340 ng m
RT: 13.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:149 Resp: 1560

Ion	Ratio	Lower	Upper
149	100		
167	31.6	21.4	32.0
279	7.0	3.1	4.7

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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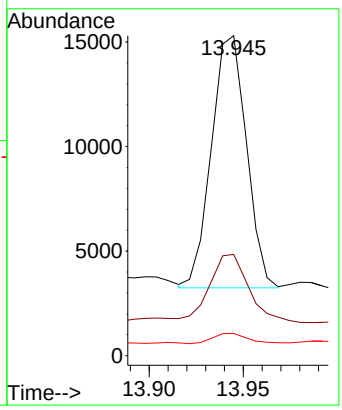
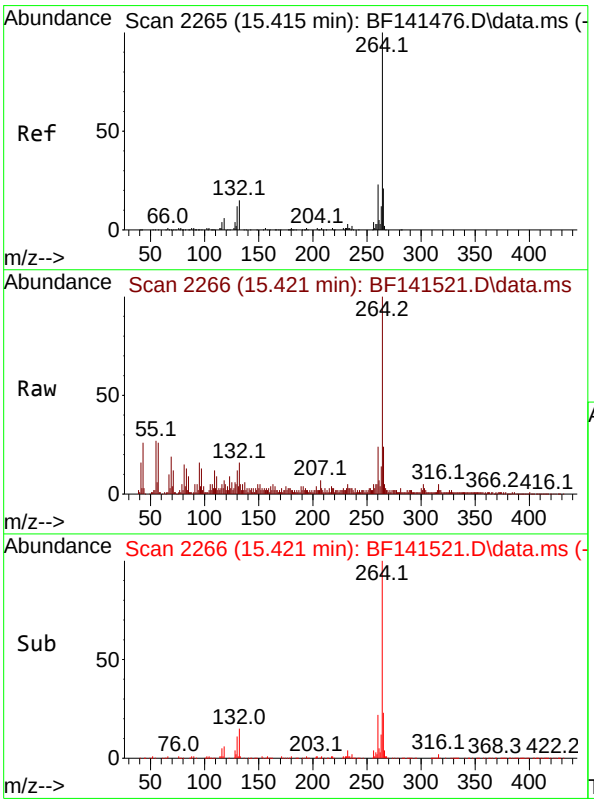
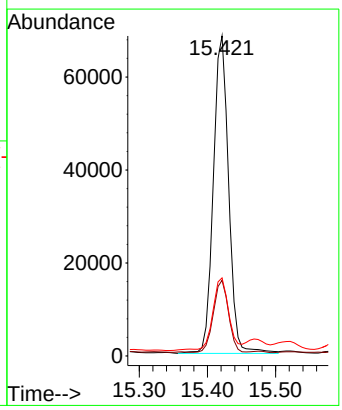


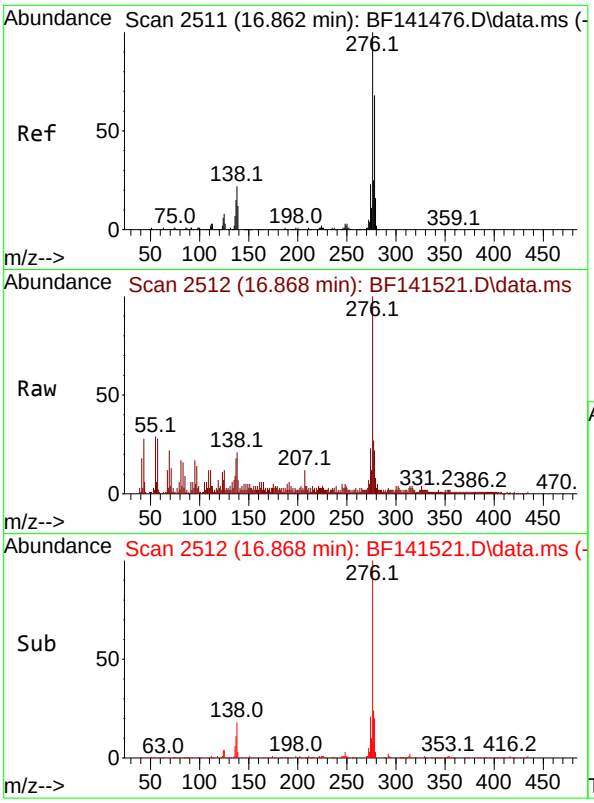


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:264 Resp: 106816

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	24.4	17.0	25.4

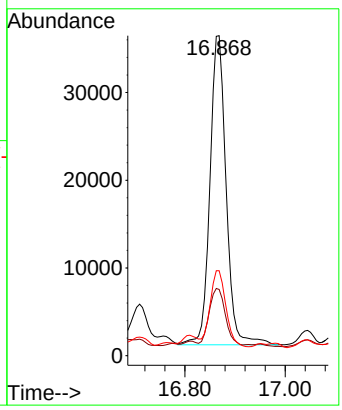




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.986 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:276 Resp: 7911

Ion	Ratio	Lower	Upper
276	100		
138	18.1	18.0	27.0
277	24.1	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
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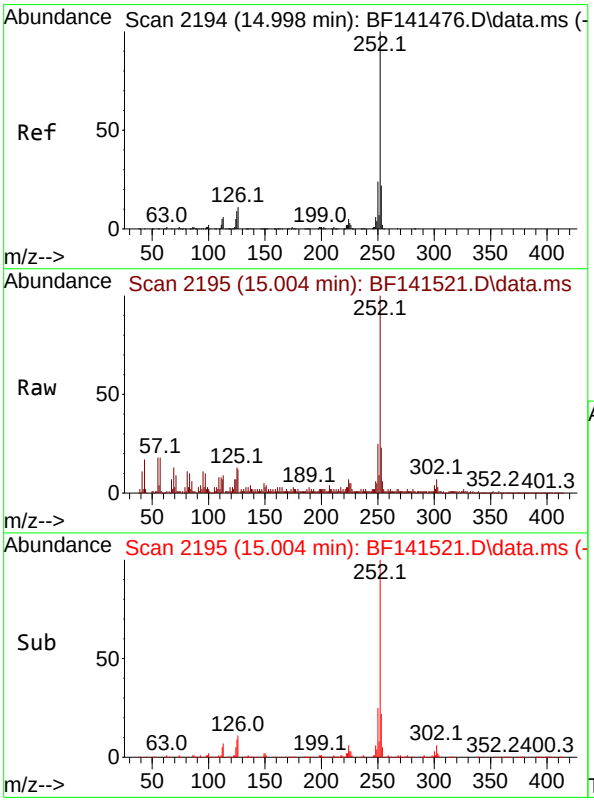
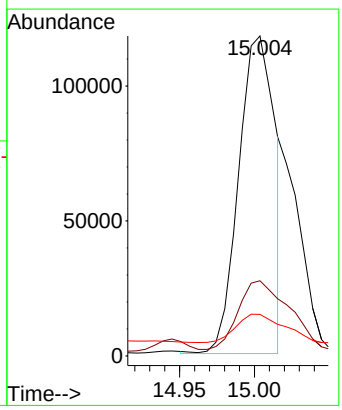
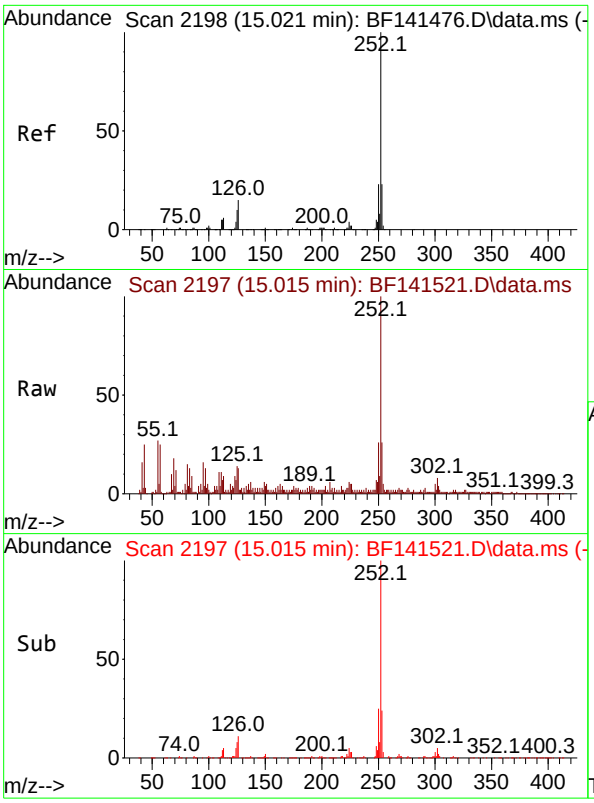


#88
Benzo(b)fluoranthene
Concen: 27.656 ng m
RT: 15.004 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:252 Resp: 198351

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.0	7.0	10.6#

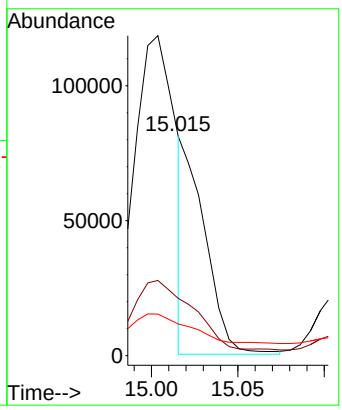




#89
Benzo(k)fluoranthene
Concen: 11.351 ng m
RT: 15.015 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:252 Resp: 6951

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	14.4	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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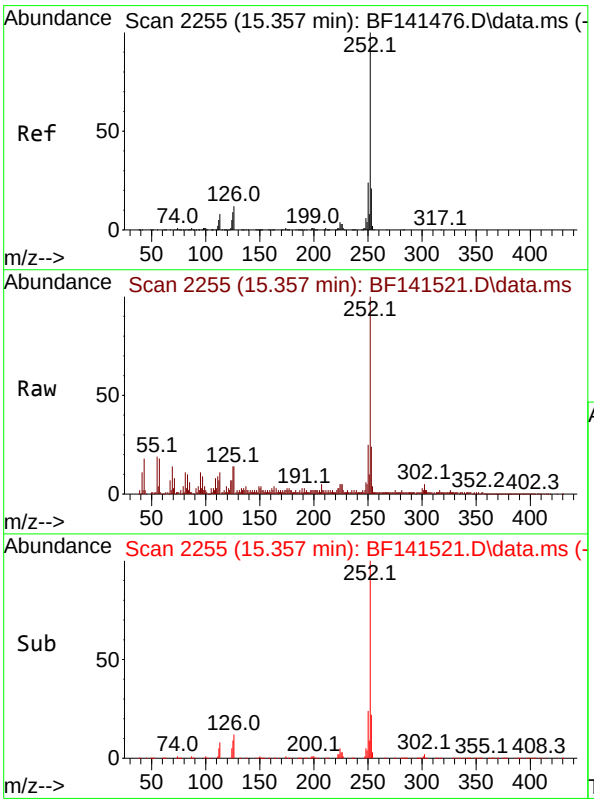
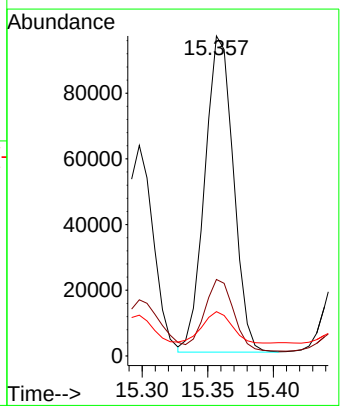
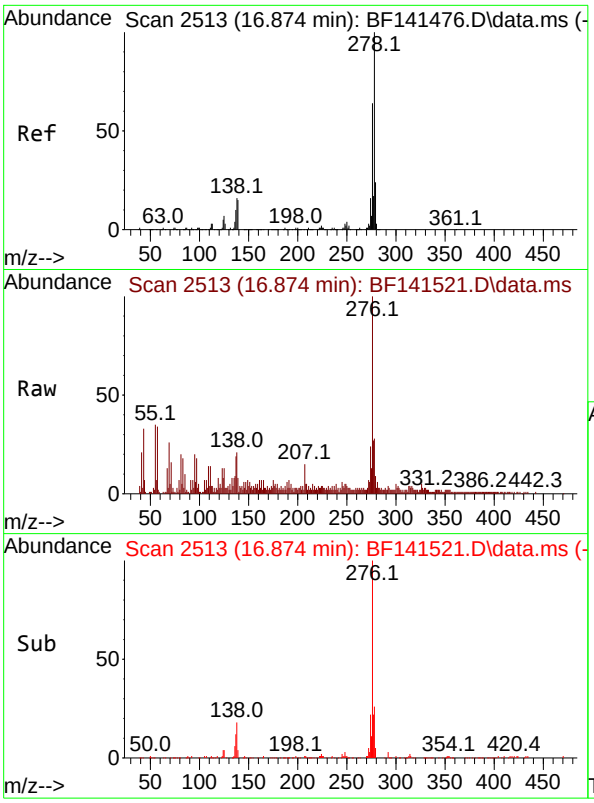


#90
Benzo(a)pyrene
Concen: 25.221 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:252 Resp: 146369

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	13.9	7.4	11.2#

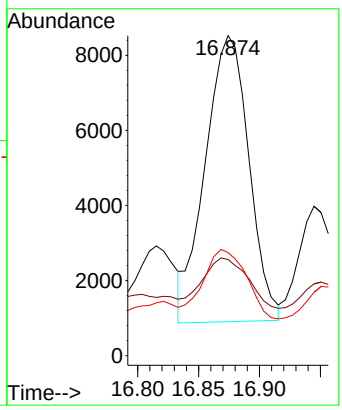




#91
Dibenzo(a,h)anthracene
Concen: 3.561 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:278 Resp: 1904

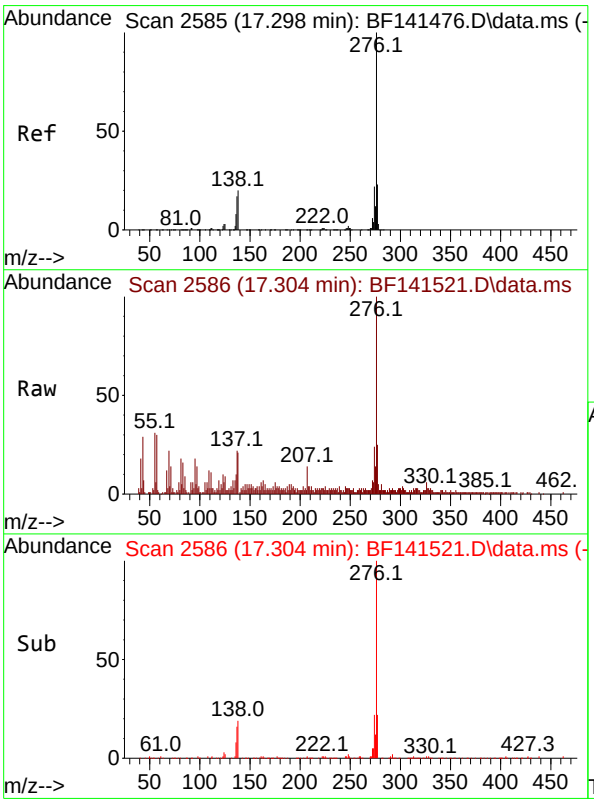
Ion	Ratio	Lower	Upper
278	100		
139	30.1	11.8	17.6#
279	32.2	19.1	28.7#



Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Manual Integrations
APPROVED

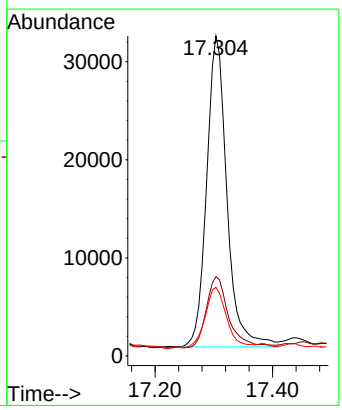
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 13.588 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:276 Resp: 76046

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	21.4	15.9	23.9



Sample Results: **BF141521.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141521.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.987	482	492	509	rBV	228955	331799	17.99%	1.300%
2	5.416	560	565	579	rVB	233096	326230	17.69%	1.278%
3	6.069	663	676	683	rBV	78030	107296	5.82%	0.420%
4	6.428	732	737	745	rBV	1062314	1470175	79.71%	5.761%
5	6.487	745	747	763	rVB3	18632	39676	2.15%	0.155%
6	6.622	765	770	775	rBV2	13539	19417	1.05%	0.076%
7	6.792	794	799	805	rBV	397386	502721	27.26%	1.970%
8	6.863	805	811	815	rBV3	23666	36073	1.96%	0.141%
9	7.181	860	865	870	rBV4	14073	27549	1.49%	0.108%
10	7.351	883	894	898	rBV	853480	1151553	62.43%	4.512%
11	7.387	898	900	904	rVV	61942	72078	3.91%	0.282%
12	7.434	904	908	912	rVB5	17569	28286	1.53%	0.111%
13	7.604	932	937	941	rVB4	30862	47106	2.55%	0.185%
14	7.710	949	955	959	rVB4	21017	40780	2.21%	0.160%
15	7.757	959	963	966	rBV2	21107	29650	1.61%	0.116%
16	7.822	970	974	978	rVB4	34980	45326	2.46%	0.178%
17	7.869	978	982	984	rBV3	17028	20406	1.11%	0.080%
18	7.981	997	1001	1004	rBV	18757	23813	1.29%	0.093%
19	8.075	1004	1017	1024	rVV3	501939	1115143	60.46%	4.370%
20	8.134	1024	1027	1030	rVV	86183	114555	6.21%	0.449%
21	8.163	1030	1032	1039	rVB6	18894	33508	1.82%	0.131%
22	8.363	1060	1066	1072	rBV5	52211	112968	6.12%	0.443%
23	8.416	1072	1075	1078	rVV3	32309	42306	2.29%	0.166%
24	8.451	1078	1081	1084	rVV2	47241	56553	3.07%	0.222%
25	8.492	1084	1088	1099	rVB	113027	187438	10.16%	0.734%
26	8.575	1099	1102	1105	rBV2	23007	29513	1.60%	0.116%
27	8.663	1113	1117	1121	rBV	255480	311796	16.90%	1.222%
28	8.757	1131	1133	1136	rVV	19418	19611	1.06%	0.077%
29	8.786	1136	1138	1141	rVB	36334	32316	1.75%	0.127%
30	8.886	1151	1155	1161	rVB2	47322	67325	3.65%	0.264%
31	8.951	1162	1166	1168	rBV2	31253	46995	2.55%	0.184%
32	9.028	1176	1179	1183	rVB	34516	42752	2.32%	0.168%
33	9.069	1183	1186	1187	rBV2	26558	27886	1.51%	0.109%
34	9.092	1187	1190	1194	rVB	73225	85634	4.64%	0.336%
35	9.145	1194	1199	1205	rBV	1421252	1844478	100.00%	7.227%
36	9.228	1209	1213	1219	rBV	231146	330717	17.93%	1.296%

Sample Results: **BF141521.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.416	1241	1245	1249	rVB3	38342	57818	3.13%	0.227%
38	9.486	1253	1257	1259	rVV2	77637	112051	6.07%	0.439%
39	9.545	1263	1267	1271	rVV4	106445	194378	10.54%	0.762%
40	9.604	1275	1277	1281	rVB2	43299	53079	2.88%	0.208%
41	9.692	1288	1292	1296	rBV3	36790	55644	3.02%	0.218%
42	9.757	1297	1303	1307	rVV	185790	266427	14.44%	1.044%
43	9.828	1308	1315	1318	rVV	507084	674489	36.57%	2.643%
44	9.857	1318	1320	1325	rVB	136890	167761	9.10%	0.657%
45	9.933	1330	1333	1337	rVB	31258	37988	2.06%	0.149%
46	9.992	1339	1343	1345	rBV3	35721	56683	3.07%	0.222%
47	10.033	1346	1350	1354	rVV	94681	156350	8.48%	0.613%
48	10.080	1354	1358	1366	rVB5	66205	140272	7.60%	0.550%
49	10.145	1366	1369	1376	rBV4	35948	84630	4.59%	0.332%
50	10.257	1381	1388	1392	rBV	226732	338932	18.38%	1.328%
51	10.375	1404	1408	1414	rBV	120512	177357	9.62%	0.695%
52	10.480	1421	1426	1431	rBV	118108	179410	9.73%	0.703%
53	10.539	1432	1436	1440	rBV	169680	213810	11.59%	0.838%
54	10.739	1465	1470	1477	rVB	328029	567476	30.77%	2.224%
55	11.180	1541	1545	1548	rBV	209696	286330	15.52%	1.122%
56	11.210	1548	1550	1557	rVB	166318	215681	11.69%	0.845%
57	11.316	1564	1568	1570	rBV	441450	610002	33.07%	2.390%
58	11.339	1570	1572	1577	rVV	738033	881674	47.80%	3.455%
59	11.392	1577	1581	1584	rVB	182531	232531	12.61%	0.911%
60	11.610	1614	1618	1622	rVB	174312	200779	10.89%	0.787%
61	11.816	1650	1653	1655	rBV	81383	99239	5.38%	0.389%
62	11.845	1655	1658	1663	rVB	223925	288762	15.66%	1.131%
63	11.933	1669	1673	1681	rVB2	187452	391171	21.21%	1.533%
64	12.016	1684	1687	1691	rVB	134249	169995	9.22%	0.666%
65	12.098	1698	1701	1707	rVB3	84744	143976	7.81%	0.564%
66	12.174	1711	1714	1720	rVB3	105824	156707	8.50%	0.614%
67	12.263	1724	1729	1733	rBV	746319	946085	51.29%	3.707%
68	12.410	1750	1754	1760	rVB3	134141	205254	11.13%	0.804%
69	12.533	1770	1775	1779	rBV	1083832	1465290	79.44%	5.742%
70	12.574	1779	1782	1788	rVB	658435	836833	45.37%	3.279%
71	12.763	1808	1814	1820	rBV	972288	1542417	83.62%	6.044%
72	12.904	1834	1838	1846	rVB	1170537	1591352	86.28%	6.236%
73	13.045	1858	1862	1866	rBV	701657	851383	46.16%	3.336%
74	13.957	2012	2017	2021	rBV2	577974	1045275	56.67%	4.096%
75	15.004	2191	2195	2202	rVB	306602	642103	34.81%	2.516%
76	15.357	2252	2255	2261	rVB	239053	361555	19.60%	1.417%

Sample Results: **BF141521.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 25520377

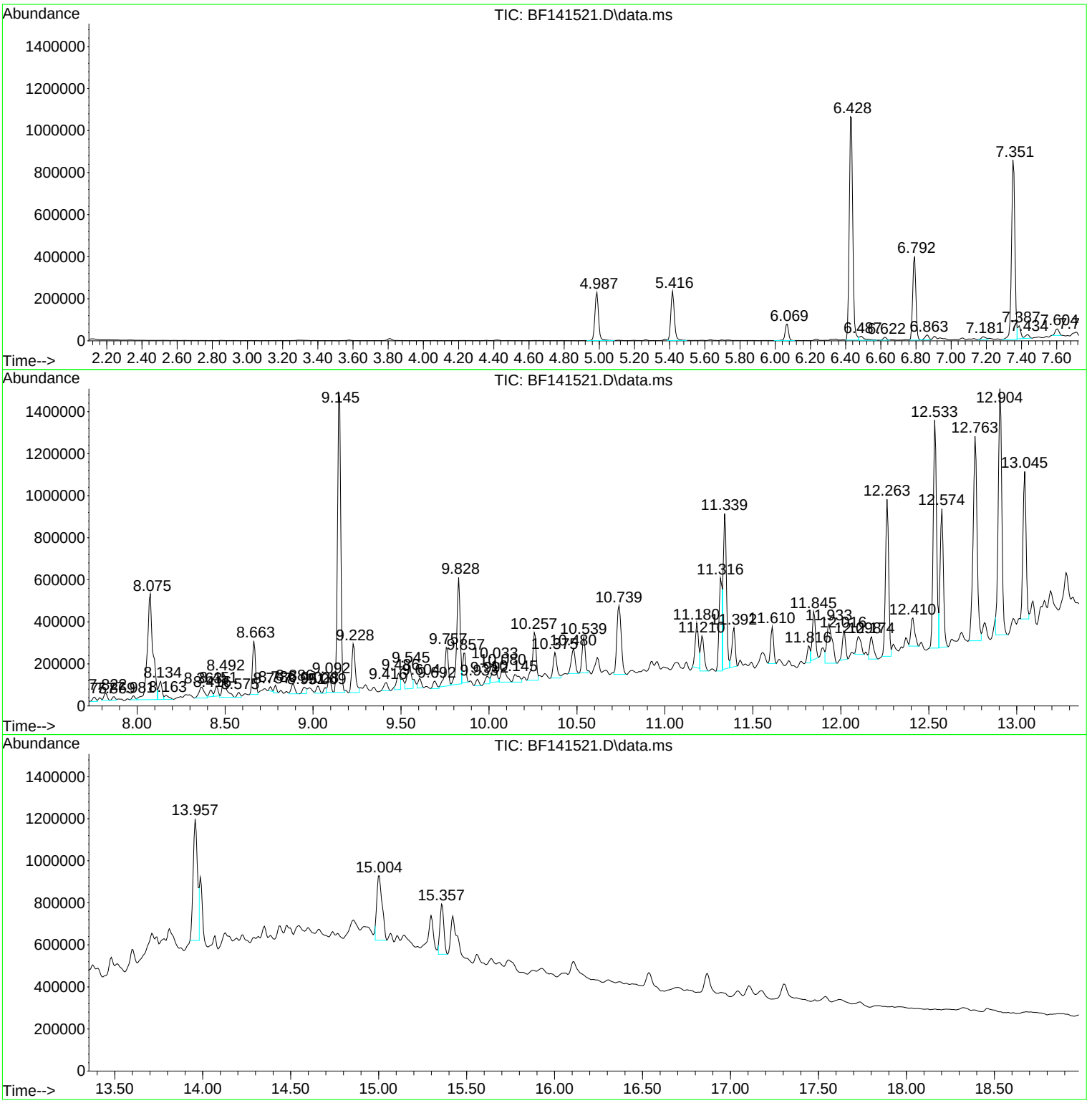
Sample Results: **BF141521.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

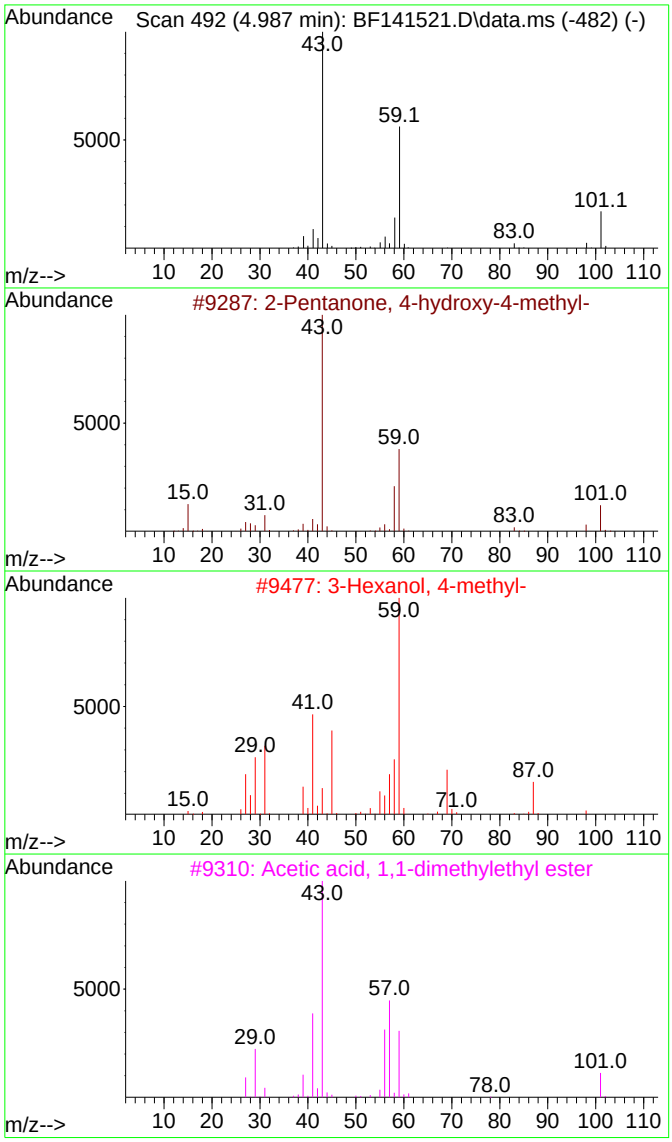
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

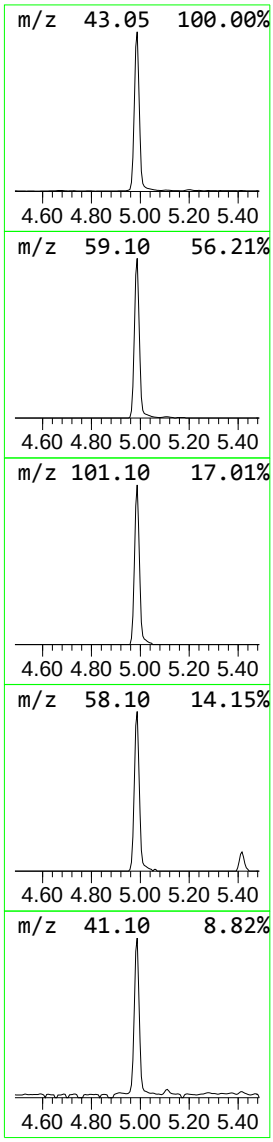
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.987	13.20 ng	331799	1,4-Dichlorobenzene-d4	6.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

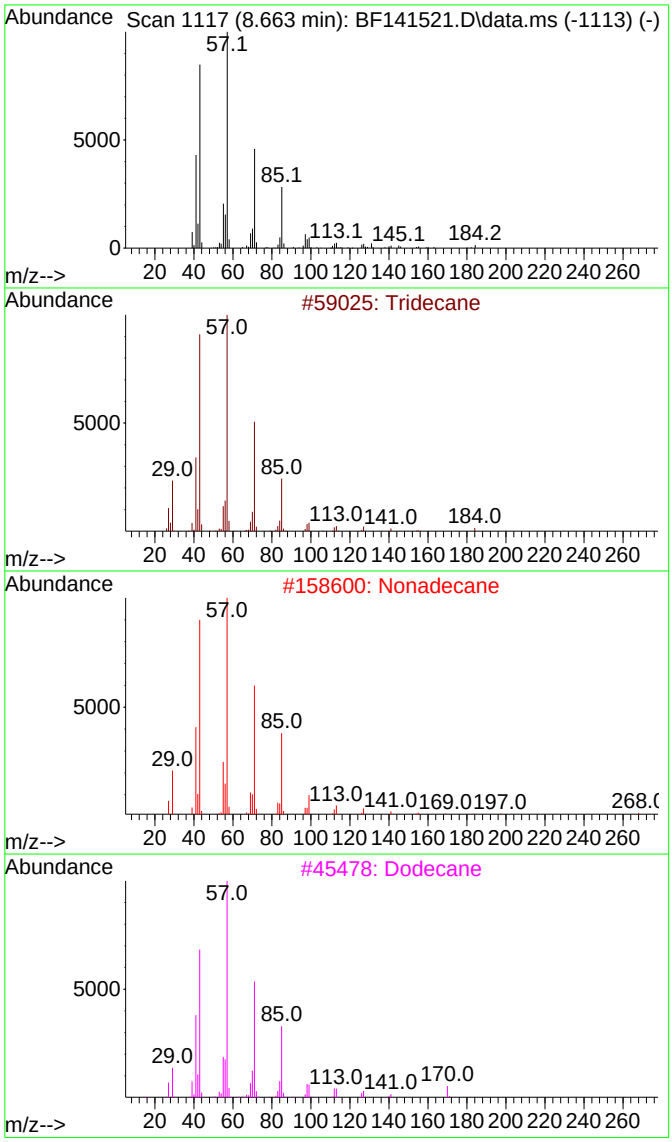
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

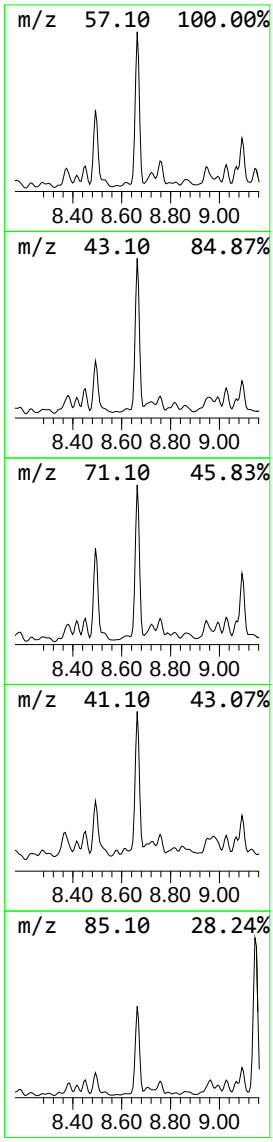
****

Peak Number 2 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.663	5.59 ng	311796	Naphthalene-d8	8.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Nonadecane	268	C19H40	000629-92-5	90
3	Dodecane	170	C12H26	000112-40-3	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

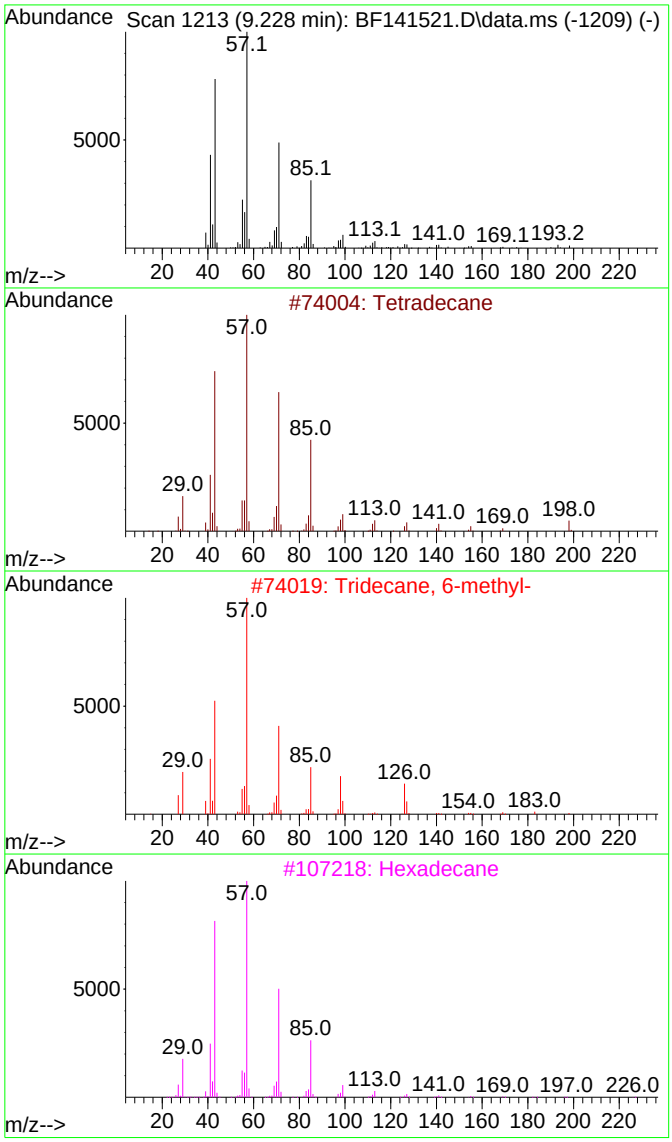
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

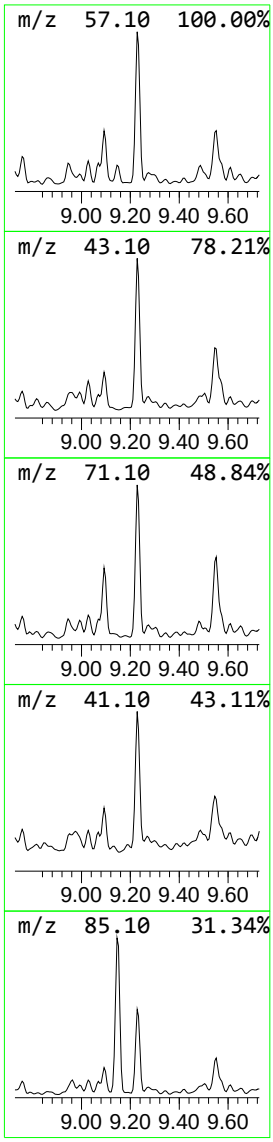
****

Peak Number 3 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.228	9.81 ng	330717	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	94
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Dodecane	170	C12H26	000112-40-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

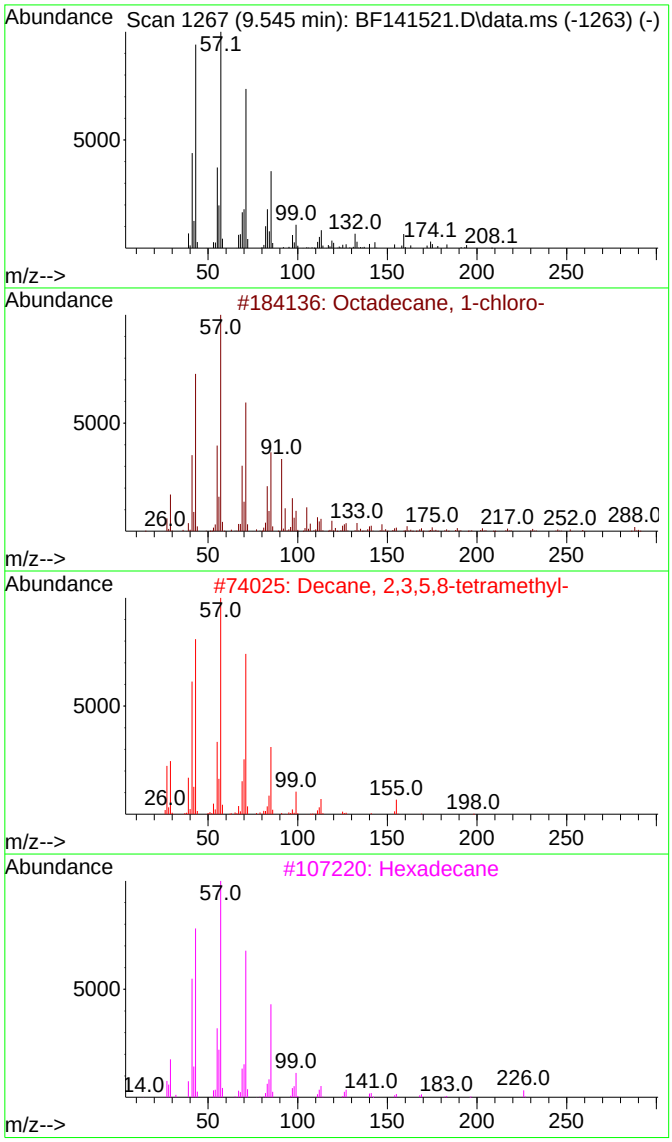
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

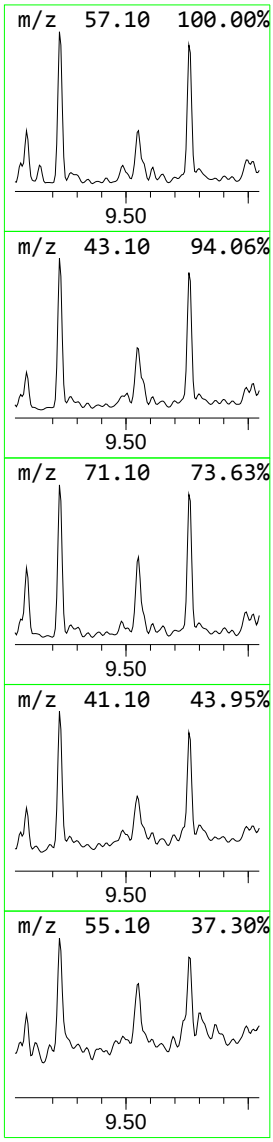
****

Peak Number 4 Octadecane, 1-chloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.545	5.76 ng	194378	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	86
2	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

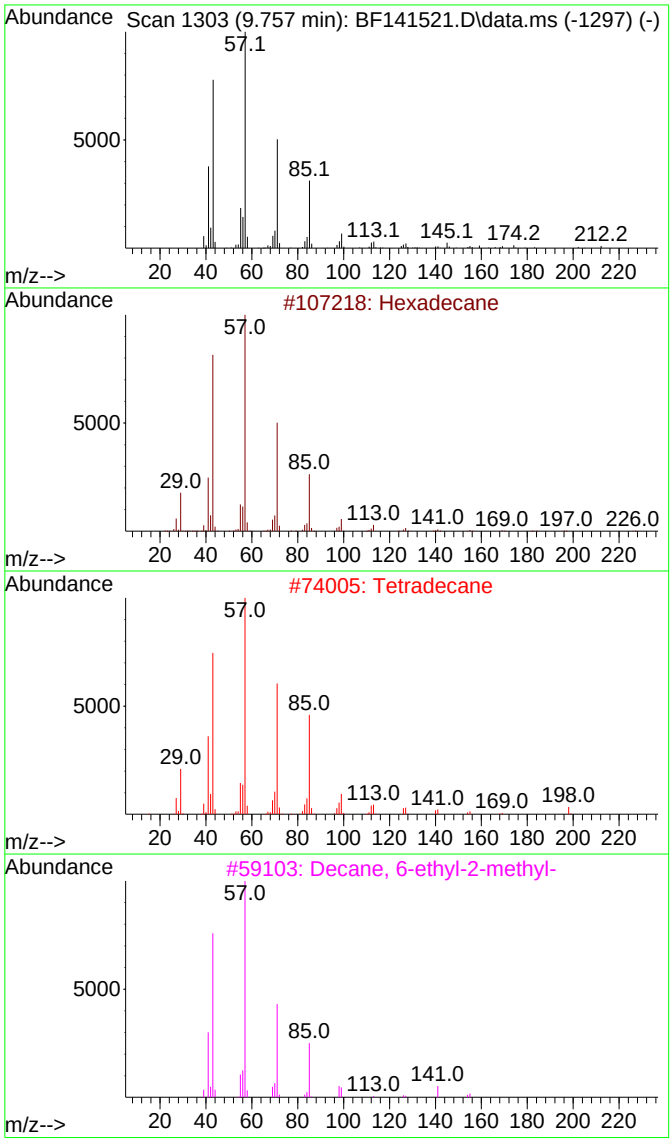
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

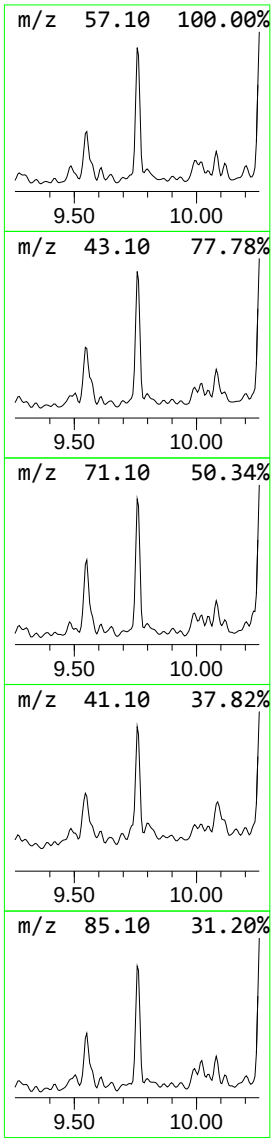
****

Peak Number 5 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.757	7.90 ng	266427	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	83
4	Heptadecane	240	C17H36	000629-78-7	80
5	Tridecane	184	C13H28	000629-50-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

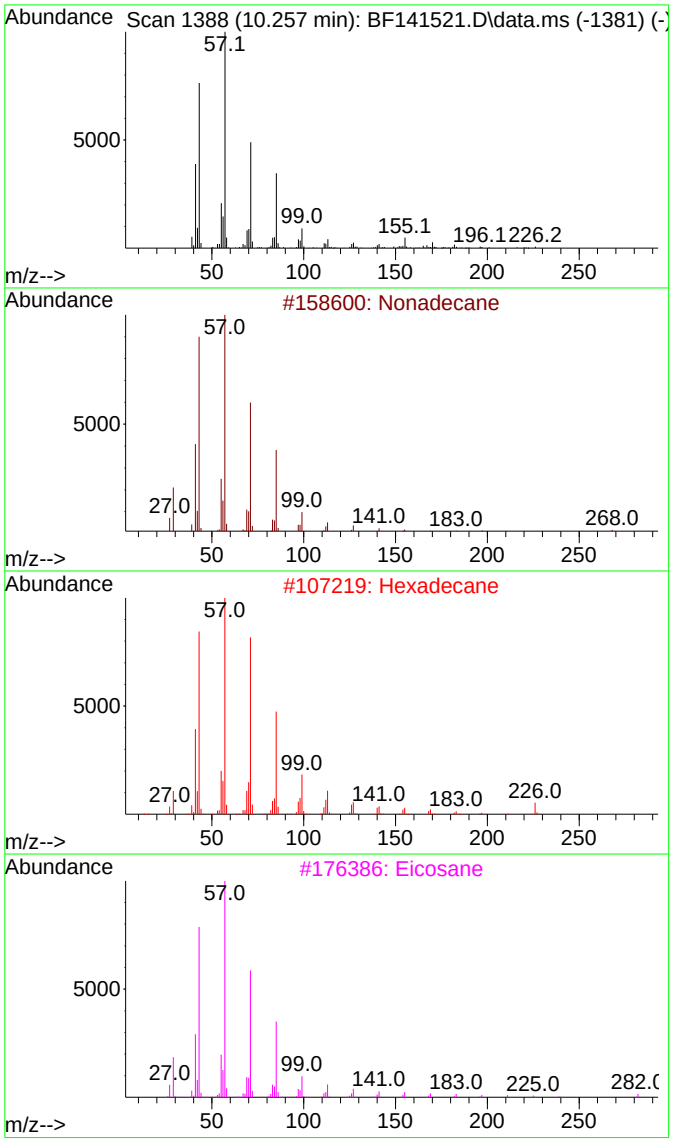
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

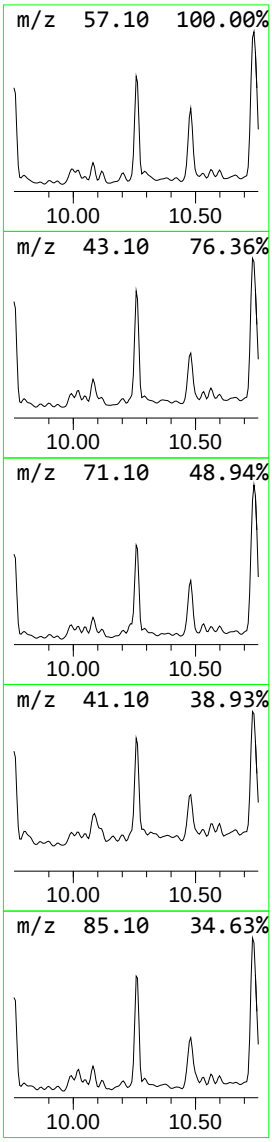
****

Peak Number 6 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.257	10.05 ng	338932	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Hexadecane	226	C16H34	000544-76-3	89
3	Eicosane	282	C20H42	000112-95-8	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Tridecane	184	C13H28	000629-50-5	86





Sample Results: **BF141521.D**

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Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

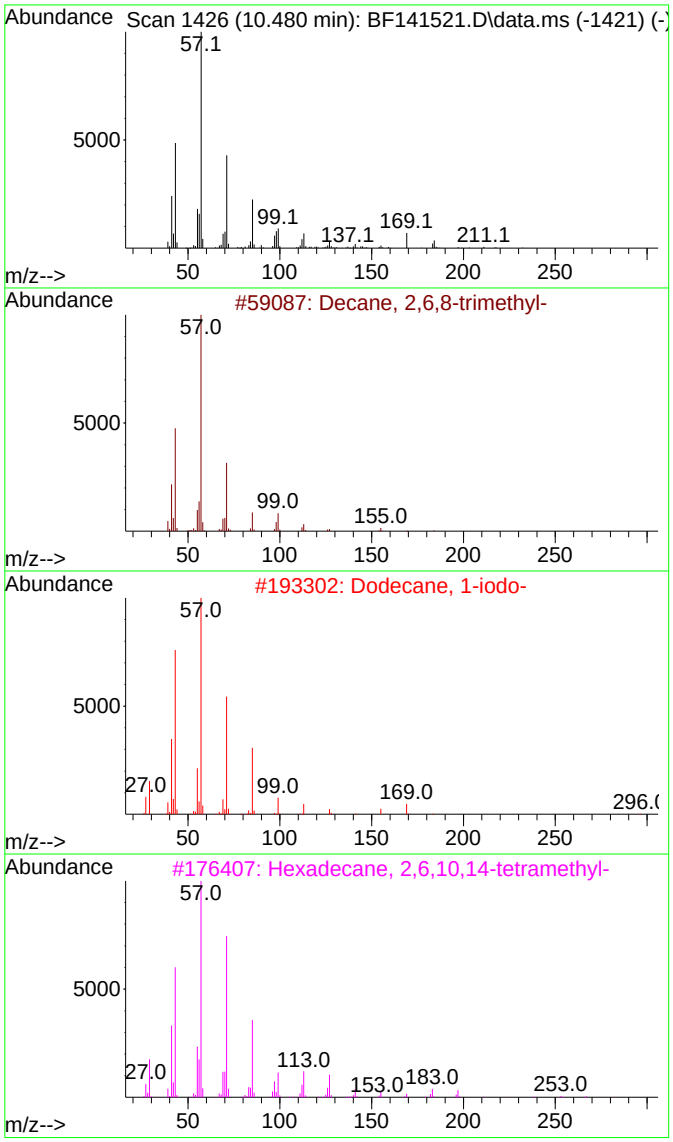
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

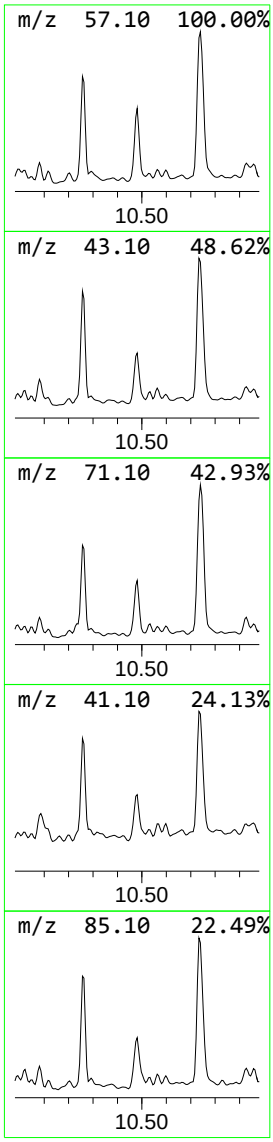
****

Peak Number 7 Decane, 2,6,8-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.480	5.32 ng	179410	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	76
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72
5	Tridecane	184	C13H28	000629-50-5	72





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Acq On : 07 Feb 2025 21:13
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Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

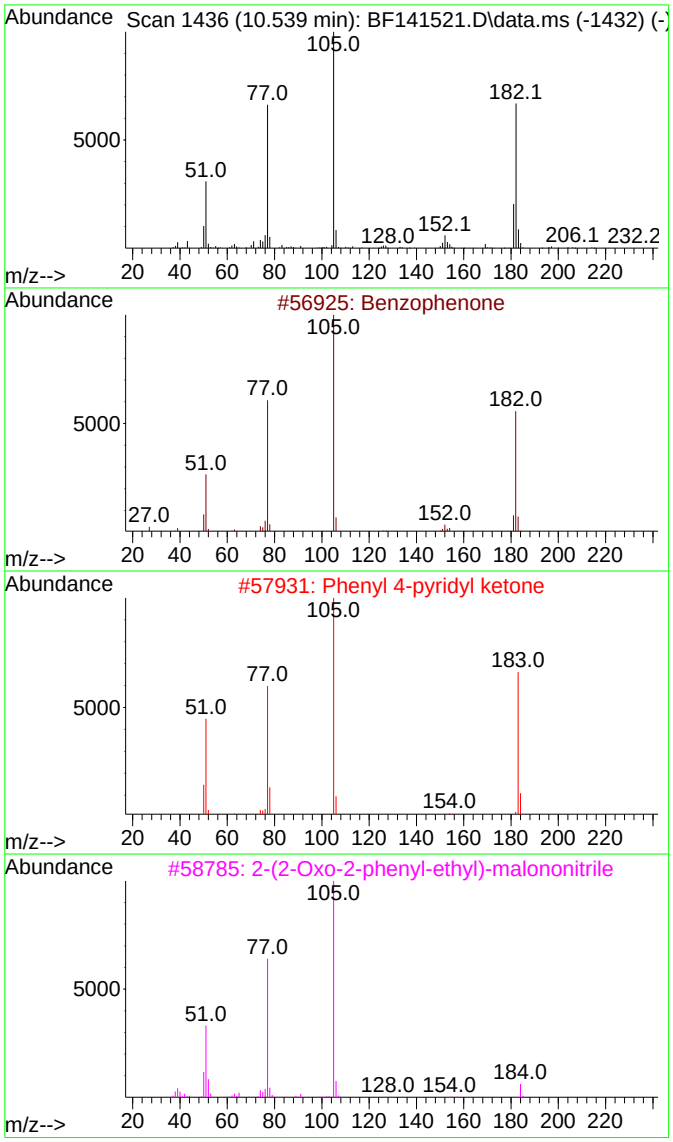
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

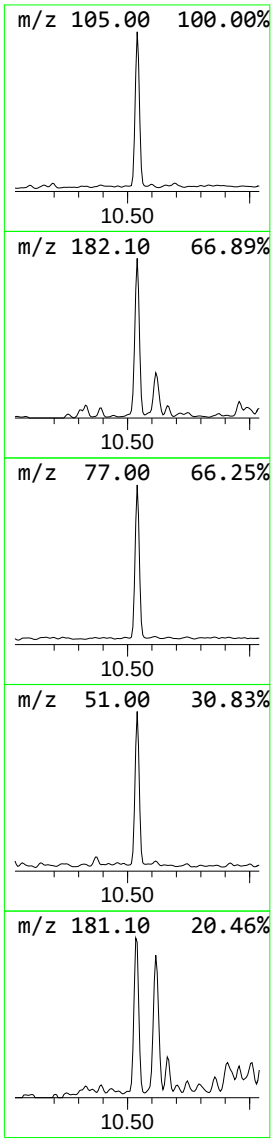
****

Peak Number 8 Benzophenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	6.34 ng	213810	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	60
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	49
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	46
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	43





Sample Results: **BF141521.D**

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Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

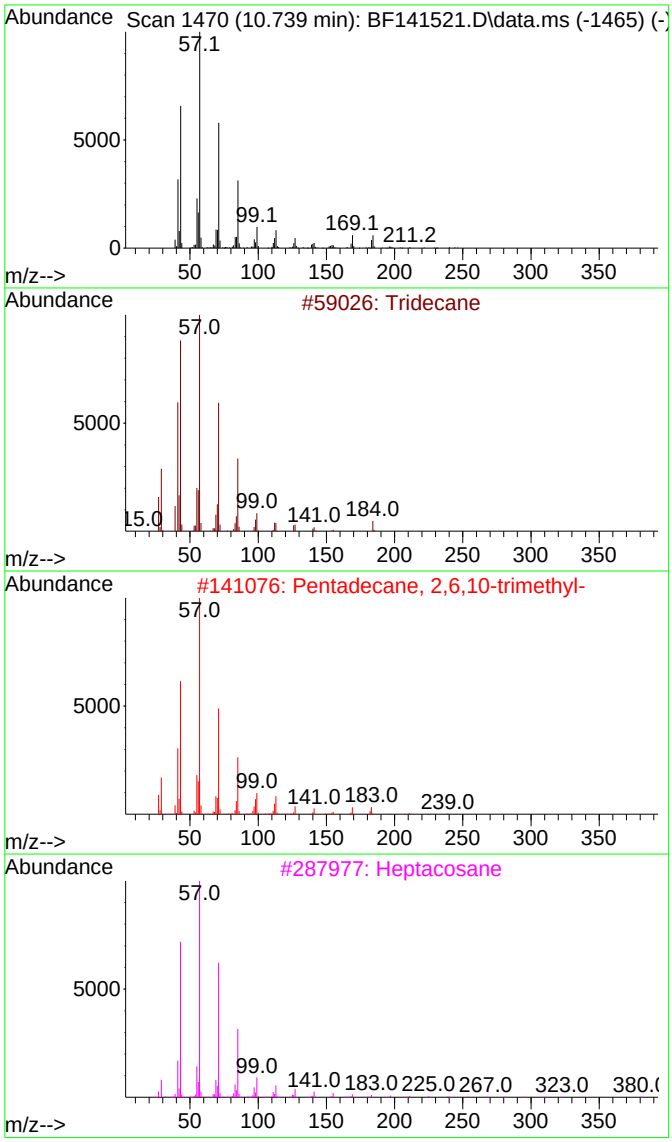
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

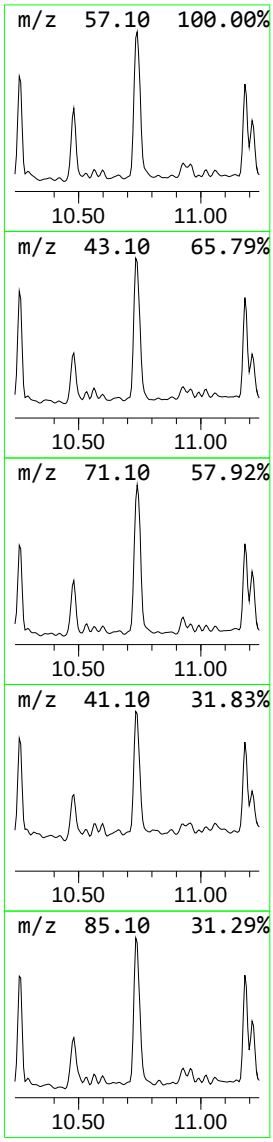
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pentadecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.739	18.61 ng	567476	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
3	Heptacosane	380	C27H56	000593-49-7	83
4	Dodecane	170	C12H26	000112-40-3	83
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





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Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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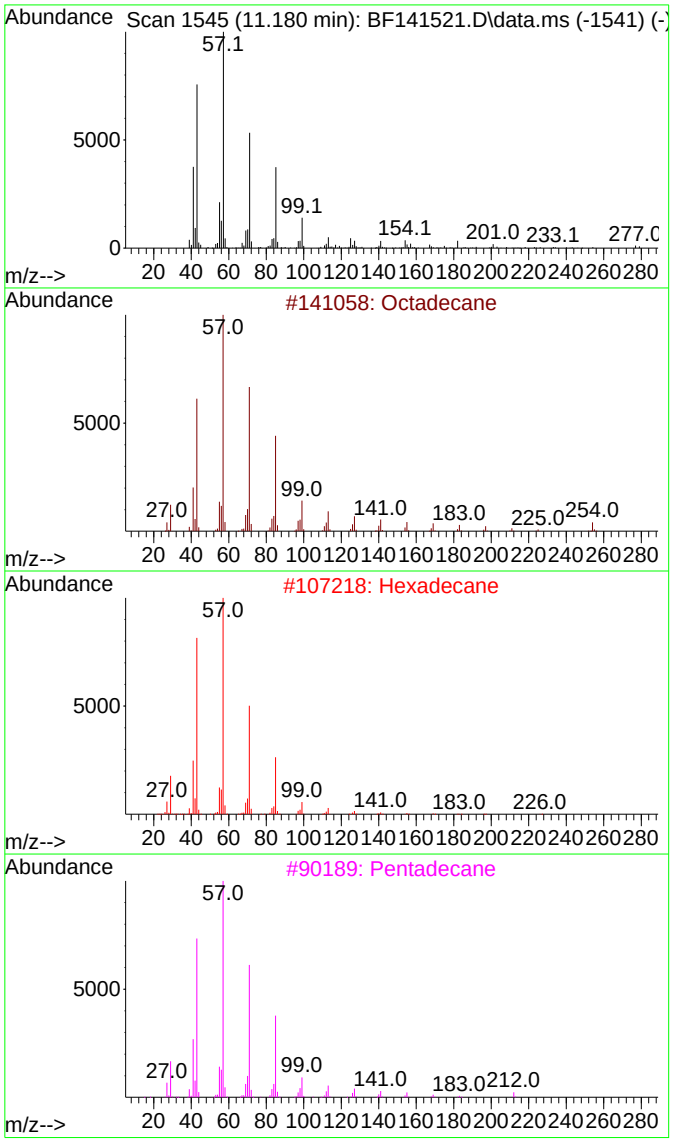
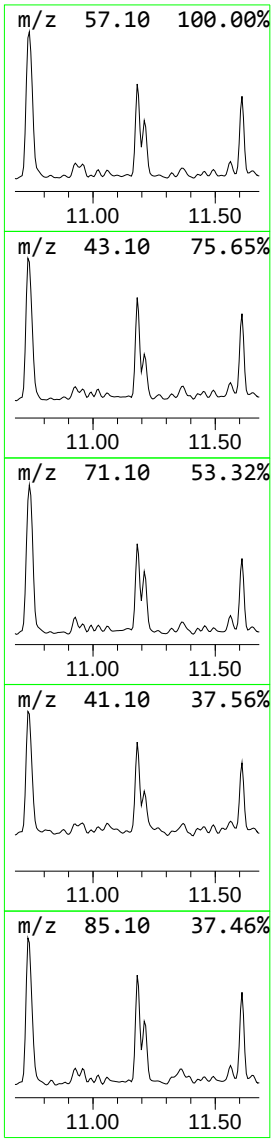
Peak Number 10 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.180	9.39 ng	286330	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Hexadecane	226	C16H34	000544-76-3	93
3	Pentadecane	212	C15H32	000629-62-9	87
4	Nonadecane	268	C19H40	000629-92-5	87
5	Heptadecane	240	C17H36	000629-78-7	87





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Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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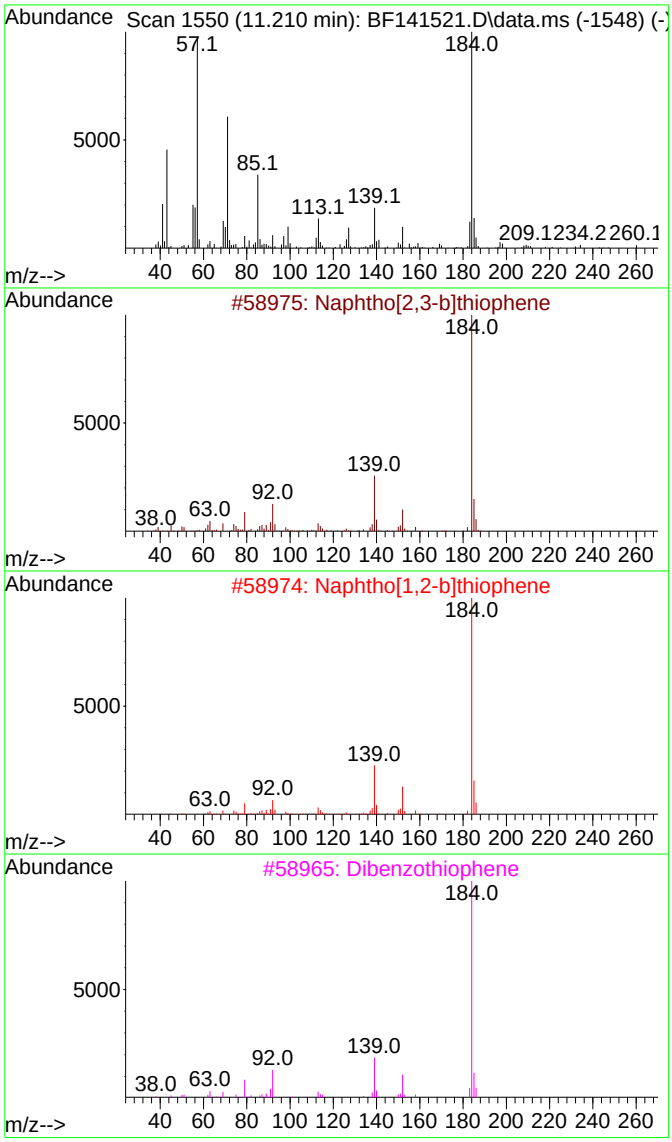
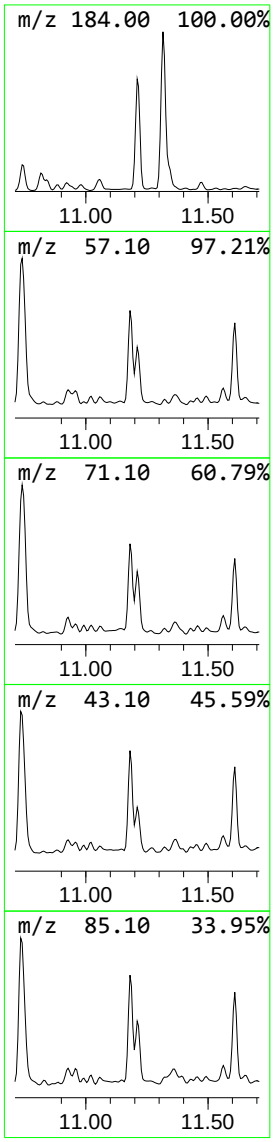
Peak Number 11 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	7.07 ng	215681	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	55
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	55
3	Dibenzothiophene	184	C12H8S	000132-65-0	53
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	49
5	1,2-Dihydro-5,6-acenaphthylenedi...	184	C12H12N2	003176-86-1	38





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Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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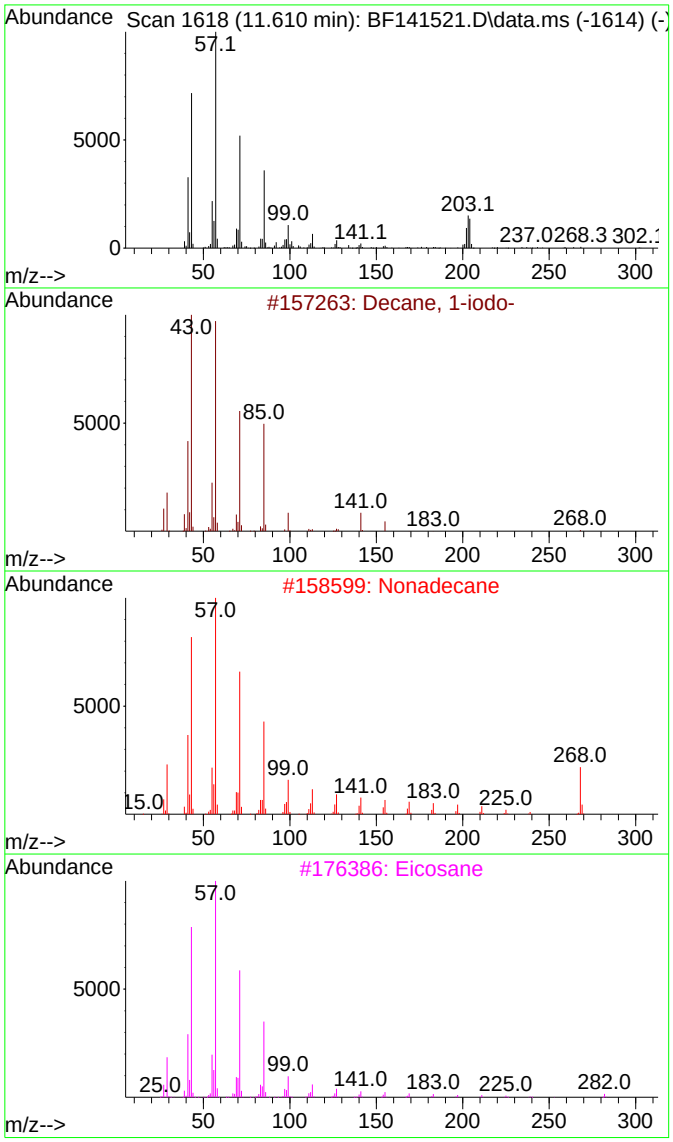
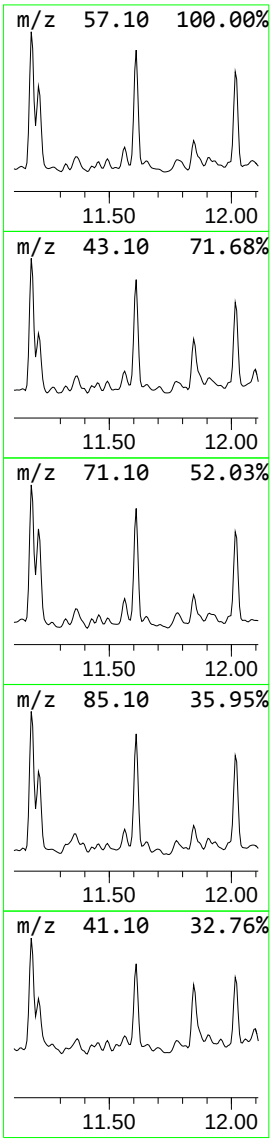
Peak Number 12 Decane, 1-iodo- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	6.58 ng	200779	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1-iodo-	268	C10H21I	002050-77-3	83
2	Nonadecane	268	C19H40	000629-92-5	68
3	Eicosane	282	C20H42	000112-95-8	68
4	Octacosane	394	C28H58	000630-02-4	64
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	64





Sample Results: **BF141521.D**

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Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.2-013025

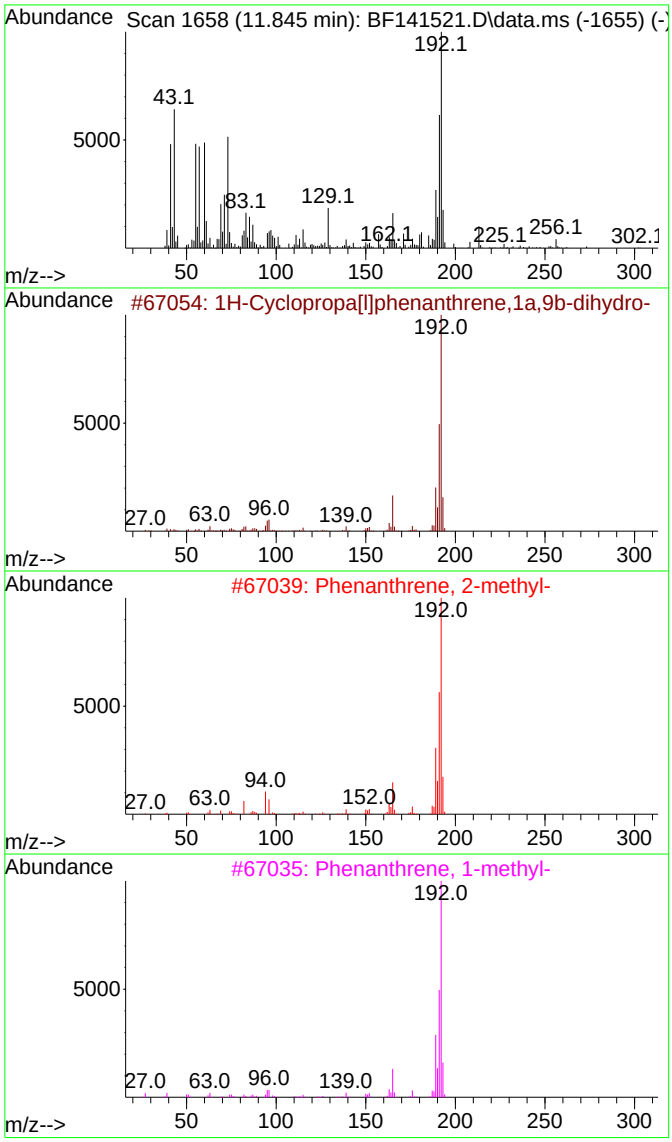
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

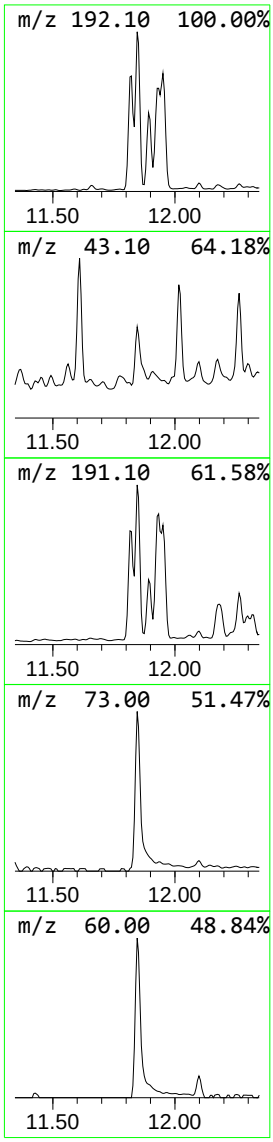
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	9.47 ng	288762	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91





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Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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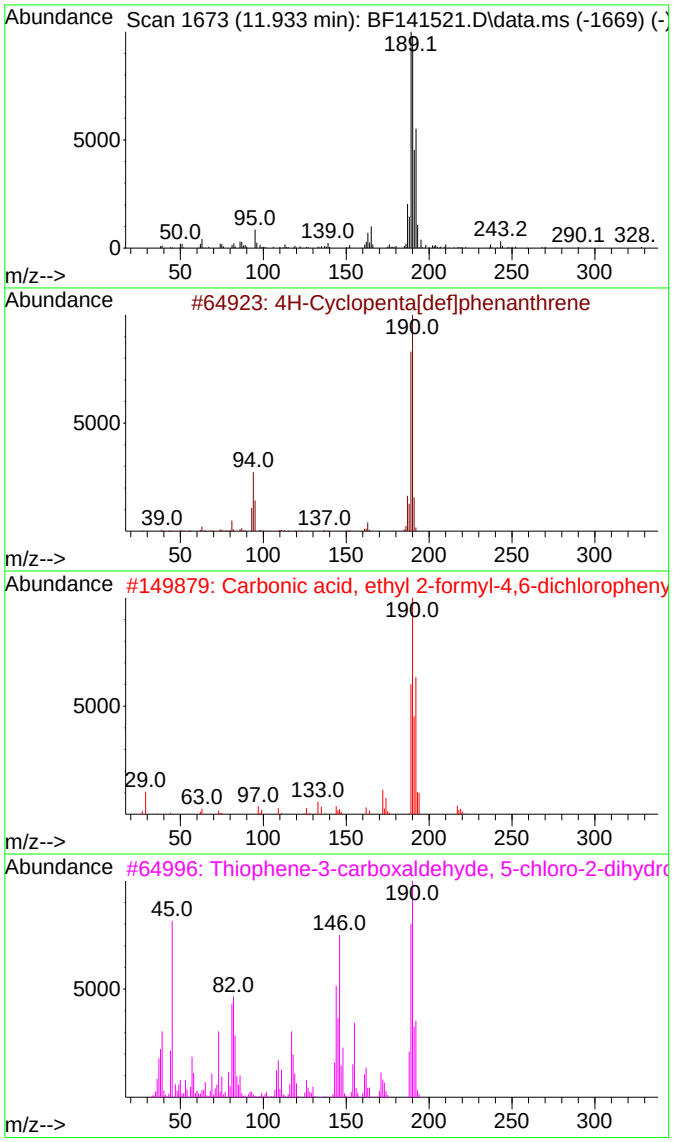
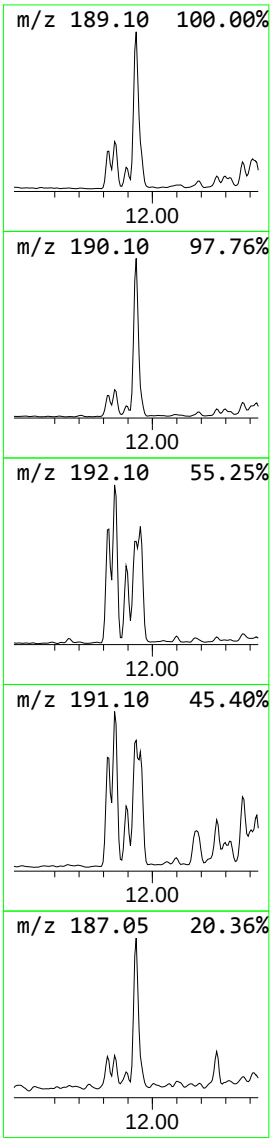
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	12.83 ng	391171	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





Sample Results: **BF141521.D**

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Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

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BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

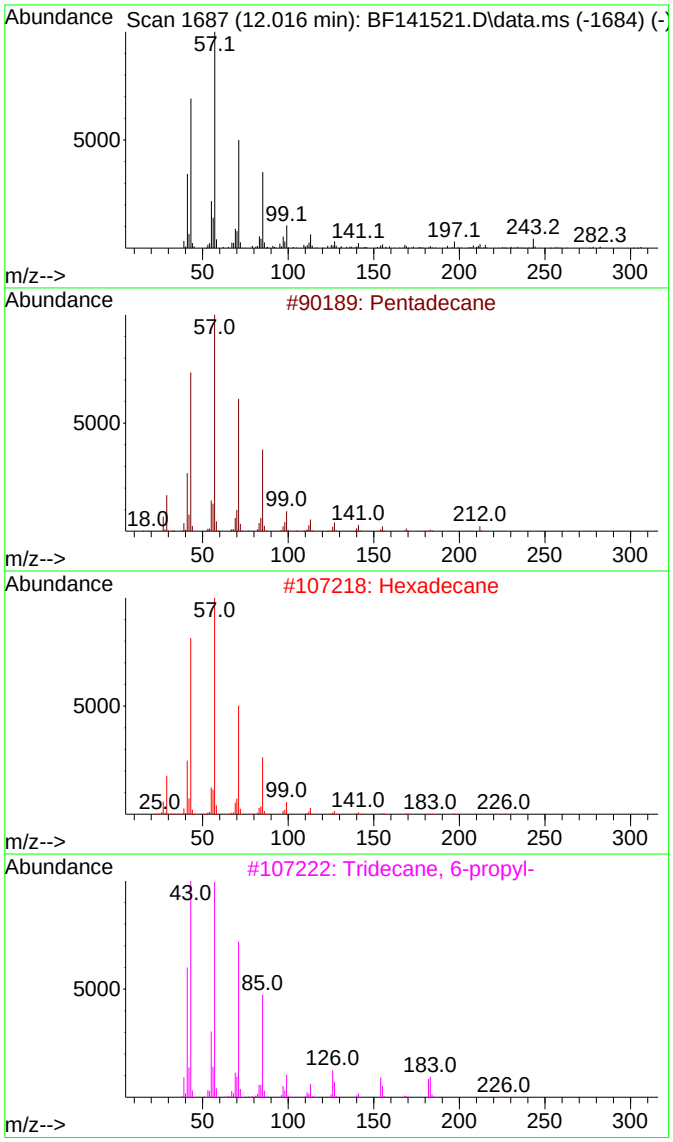
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

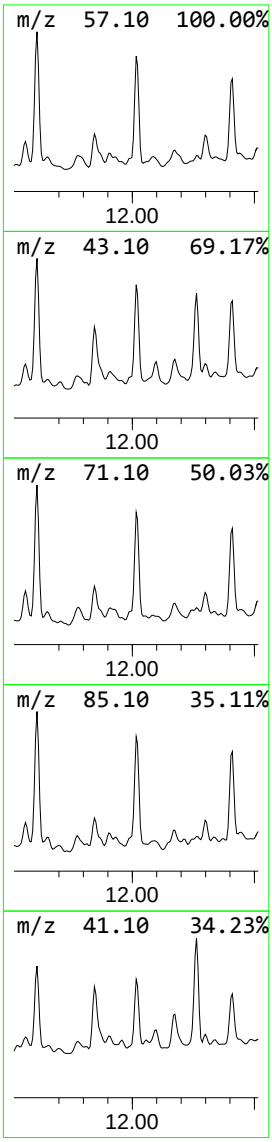
****

Peak Number 15 Pentadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	5.57 ng	169995	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Hexadecane	226	C16H34	000544-76-3	93
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
5	1-Iodoundecane	282	C11H23I	004282-44-4	87





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Sample : Q1241-11
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ALS Vial : 17 Sample Multiplier: 1

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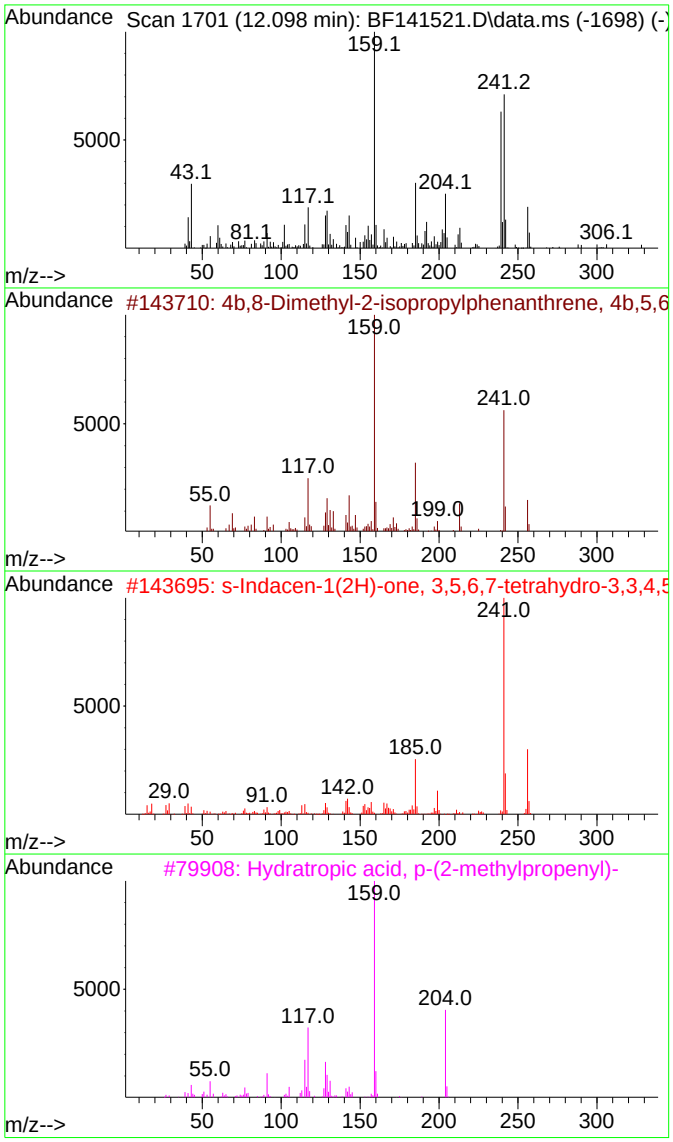
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

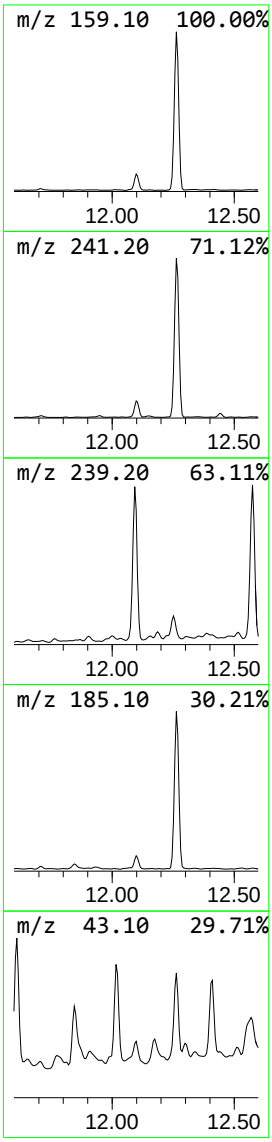
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 4b,8-Dimethyl-2-isopropylph... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	4.72 ng	143976	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	83
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	35
3	Hydratropic acid, p-(2-methylpro...	204	C13H16O2	075625-99-9	30
4	5-Amino-1-phenylpyrazole	159	C9H9N3	000826-85-7	18
5	Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

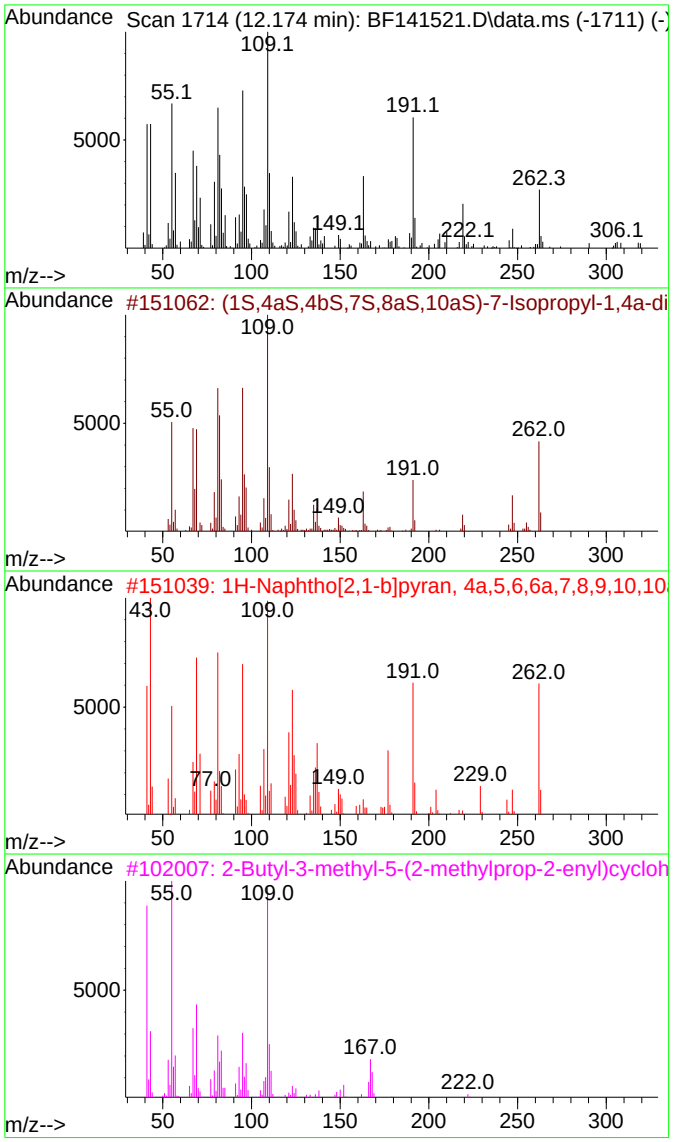
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

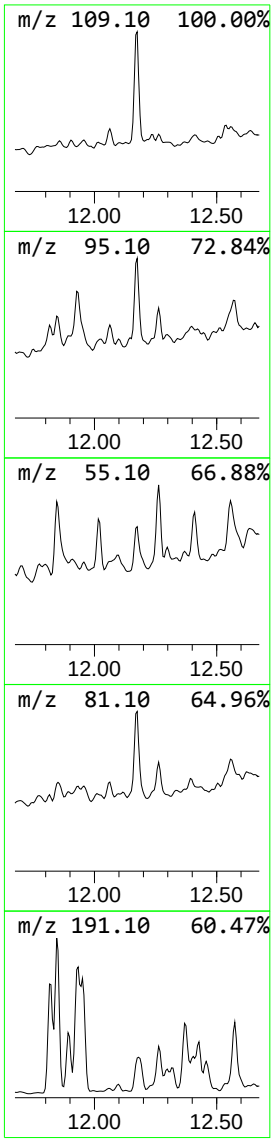
****

Peak Number 17 (1S,4aS,4bS,7S,8aS,10aS)-7-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.175	5.14 ng	156707	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1S,4aS,4bS,7S,8aS,10aS)-7-Isopr...	262	C19H34	002221-95-6	90
2	1H-Naphtho[2,1-b]pyran, 4a,5,6,6...	262	C18H30O	005153-92-4	55
3	2-Butyl-3-methyl-5-(2-methylprop...	222	C15H26O	1000281-10-7	41
4	Methoxy(methyl)chlorosilane	110	C2H7ClOSi	018151-27-4	38
5	1H-Indene, 2-butyl-5-hexyloctahy...	264	C19H36	055044-33-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

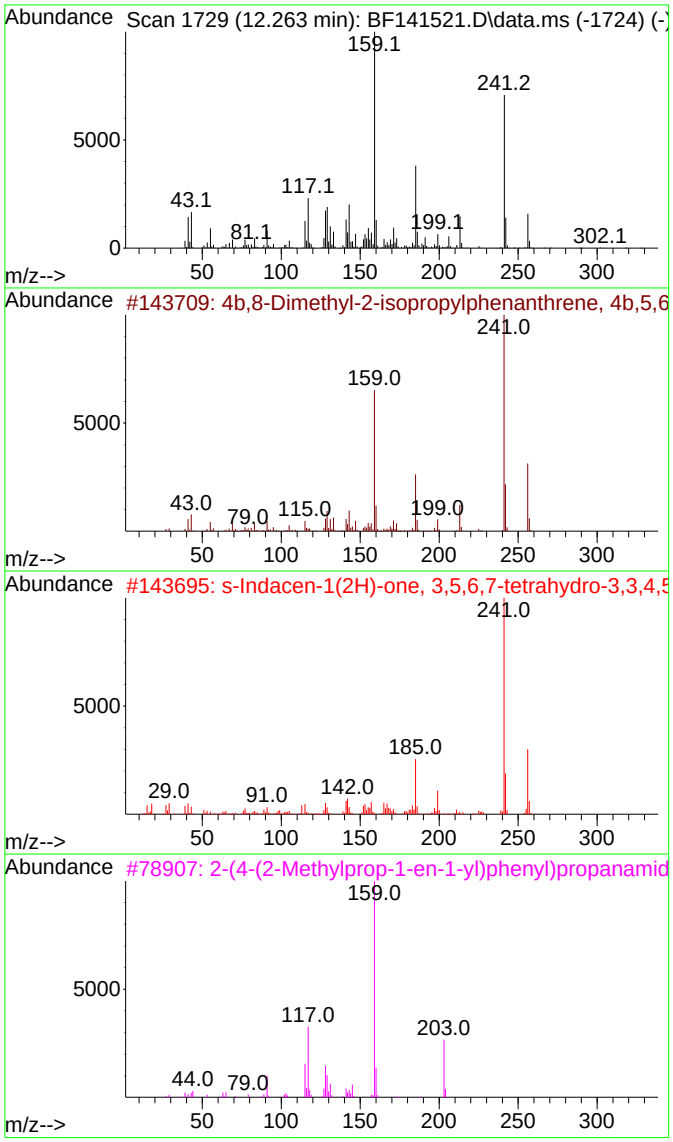
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

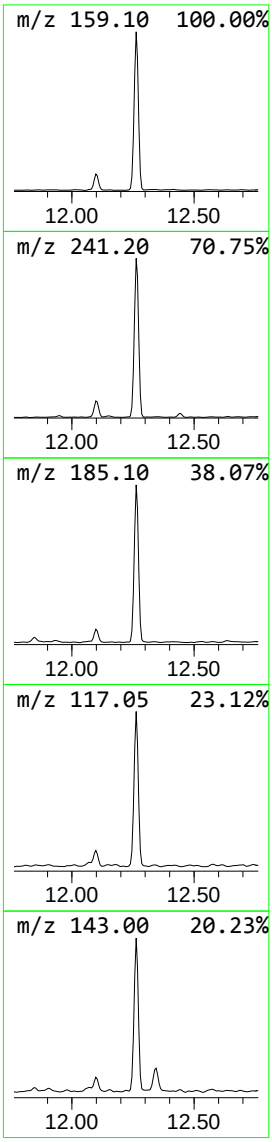
****

Peak Number 18 s-Indacen-1(2H)-one, 3,5,6,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	31.02 ng	946085	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	96
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	60
3	2-(4-(2-Methylprop-1-en-1-yl)phe...	203	C13H17NO	1000466-09-8	42
4	2-Phenylpropionic acid, 4'-(2-me...	218	C14H18O2	1010454-94-3	27
5	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

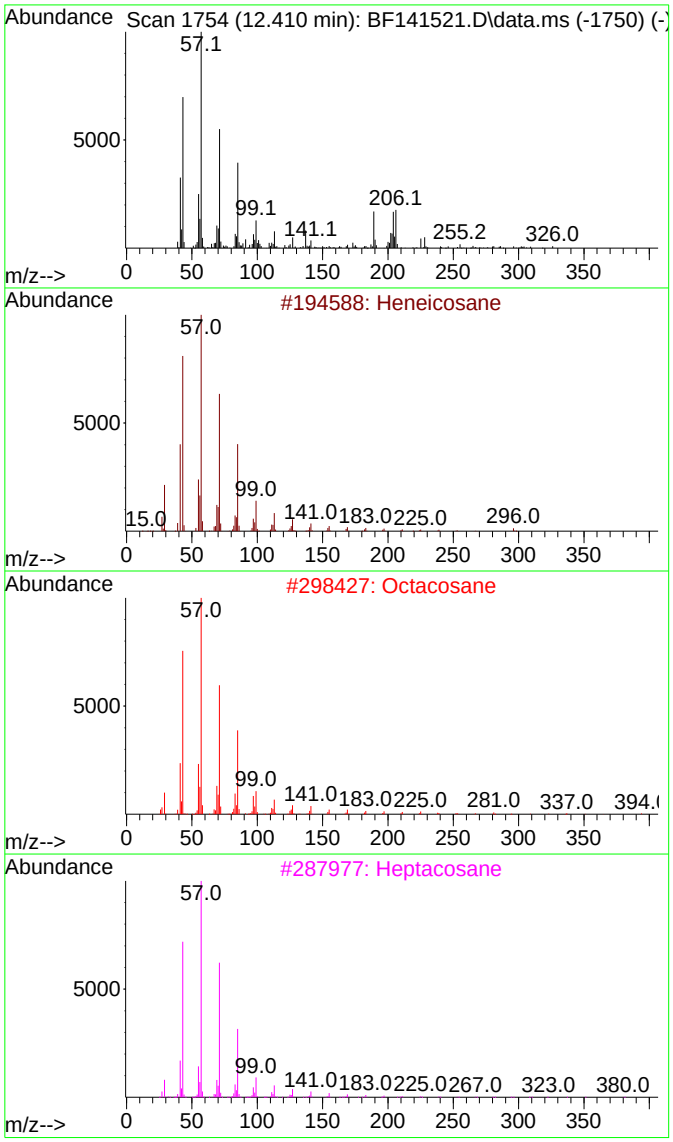
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

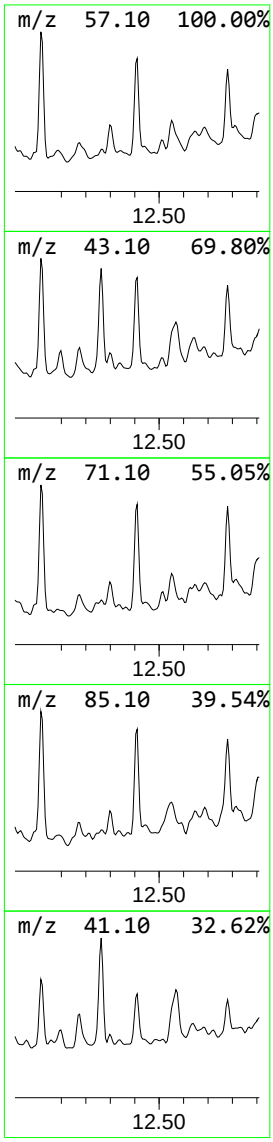
****

Peak Number 19 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	6.73 ng	205254	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Octacosane	394	C28H58	000630-02-4	70
3	Heptacosane	380	C27H56	000593-49-7	70
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	70
5	Pentadecane	212	C15H32	000629-62-9	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

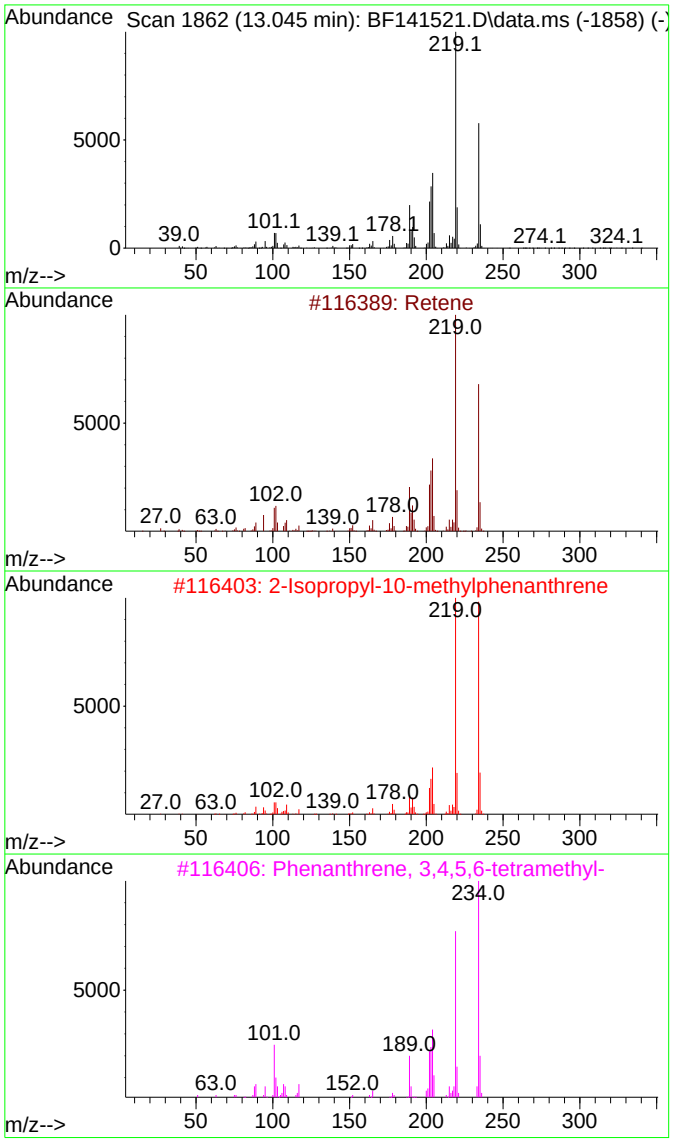
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

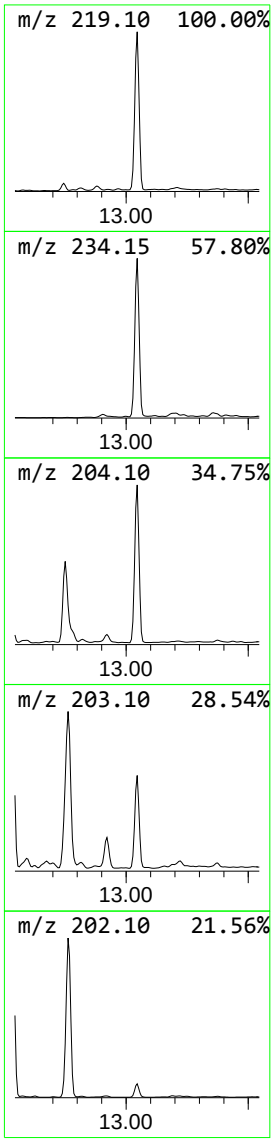
****

Peak Number 20 Retene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	16.29 ng	851383	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	64
4	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	49
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	49





Sample Results: **BF141521.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141521.D
Acq On : 07 Feb 2025 21:13
Operator : RC/JU
Sample : Q1241-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.987	13.2	ng	331799	1	6.792	502721	20.0
Tridecane	8.663	5.6	ng	311796	2	8.075	1115140	20.0
Tetradecane	9.228	9.8	ng	330717	3	9.828	674489	20.0
Octadecane, 1-c...	9.545	5.8	ng	194378	3	9.828	674489	20.0
Hexadecane	9.757	7.9	ng	266427	3	9.828	674489	20.0
Nonadecane	10.257	10.1	ng	338932	3	9.828	674489	20.0
Decane, 2,6,8-t...	10.480	5.3	ng	179410	3	9.828	674489	20.0
Benzophenone	10.539	6.3	ng	213810	3	9.828	674489	20.0
Pentadecane, 2,...	10.739	18.6	ng	567476	4	11.316	610002	20.0
Octadecane	11.180	9.4	ng	286330	4	11.316	610002	20.0
Naphtho[2,3-b]t...	11.210	7.1	ng	215681	4	11.316	610002	20.0
Decane, 1-iodo-	11.610	6.6	ng	200779	4	11.316	610002	20.0
1H-Cyclopropa[l...	11.845	9.5	ng	288762	4	11.316	610002	20.0
4H-Cyclopenta[d...	11.933	12.8	ng	391171	4	11.316	610002	20.0
Pentadecane	12.016	5.6	ng	169995	4	11.316	610002	20.0
4b,8-Dimethyl-2...	12.098	4.7	ng	143976	4	11.316	610002	20.0
(1S,4aS,4bS,7S,...	12.175	5.1	ng	156707	4	11.316	610002	20.0
s-Indacen-1(2H)...	12.263	31.0	ng	946085	4	11.316	610002	20.0
Heneicosane	12.410	6.7	ng	205254	4	11.316	610002	20.0
Retene	13.045	16.3	ng	851383	5	13.963	1045280	20.0

Raw Data: **BF141525.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141525.D	2	01/31/25 10:20	02/07/25 23:00	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	760	U	420	760	ug/Kg
108-95-2	Phenol	390	U	190	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	390	U	190	390	ug/Kg
95-57-8	2-Chlorophenol	390	U	190	390	ug/Kg
95-48-7	2-Methylphenol	390	U	190	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	390	U	210	390	ug/Kg
98-86-2	Acetophenone	390	UQ	200	390	ug/Kg
65794-96-9	3+4-Methylphenols	760	U	180	760	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	92.9	180	ug/Kg
67-72-1	Hexachloroethane	390	U	190	390	ug/Kg
98-95-3	Nitrobenzene	390	U	210	390	ug/Kg
78-59-1	Isophorone	390	U	200	390	ug/Kg
88-75-5	2-Nitrophenol	390	U	220	390	ug/Kg
105-67-9	2,4-Dimethylphenol	390	U	210	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	390	U	200	390	ug/Kg
120-83-2	2,4-Dichlorophenol	390	U	170	390	ug/Kg
91-20-3	Naphthalene	390	U	190	390	ug/Kg
106-47-8	4-Chloroaniline	390	U	190	390	ug/Kg
87-68-3	Hexachlorobutadiene	390	U	190	390	ug/Kg
105-60-2	Caprolactam	760	U	200	760	ug/Kg
59-50-7	4-Chloro-3-methylphenol	390	U	180	390	ug/Kg
91-57-6	2-Methylnaphthalene	390	U	190	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	760	UQ	360	760	ug/Kg
88-06-2	2,4,6-Trichlorophenol	390	U	160	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	390	U	170	390	ug/Kg
92-52-4	1,1-Biphenyl	390	U	200	390	ug/Kg
91-58-7	2-Chloronaphthalene	390	U	190	390	ug/Kg
88-74-4	2-Nitroaniline	390	U	220	390	ug/Kg
131-11-3	Dimethylphthalate	390	U	190	390	ug/Kg

Raw Data: **BF141525.D**

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141525.D	2	01/31/25 10:20	02/07/25 23:00	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	390	U	200	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	390	U	190	390	ug/Kg
99-09-2	3-Nitroaniline	390	U	210	390	ug/Kg
83-32-9	Acenaphthene	490		190	390	ug/Kg
51-28-5	2,4-Dinitrophenol	760	U	560	760	ug/Kg
100-02-7	4-Nitrophenol	760	U	270	760	ug/Kg
132-64-9	Dibenzofuran	220	J	190	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	390	U	200	390	ug/Kg
84-66-2	Diethylphthalate	390	U	180	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	390	U	200	390	ug/Kg
86-73-7	Fluorene	400		200	390	ug/Kg
100-01-6	4-Nitroaniline	390	U	250	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	760	U	270	760	ug/Kg
86-30-6	n-Nitrosodiphenylamine	390	U	190	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	390	U	180	390	ug/Kg
118-74-1	Hexachlorobenzene	390	U	200	390	ug/Kg
1912-24-9	Atrazine	390	U	210	390	ug/Kg
87-86-5	Pentachlorophenol	760	U	180	760	ug/Kg
85-01-8	Phenanthrene	5800		190	390	ug/Kg
120-12-7	Anthracene	1900		190	390	ug/Kg
86-74-8	Carbazole	390	U	190	390	ug/Kg
84-74-2	Di-n-butylphthalate	390	U	190	390	ug/Kg
206-44-0	Fluoranthene	10600	E	190	390	ug/Kg
129-00-0	Pyrene	11400	E	190	390	ug/Kg
85-68-7	Butylbenzylphthalate	390	U	220	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	760	U	230	760	ug/Kg
56-55-3	Benzo(a)anthracene	6200	E	190	390	ug/Kg
218-01-9	Chrysene	5300		180	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	390	U	210	390	ug/Kg
117-84-0	Di-n-octyl phthalate	760	U	250	760	ug/Kg
205-99-2	Benzo(b)fluoranthene	6500	E	190	390	ug/Kg

Raw Data: **BF141525.D**

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141525.D	2	01/31/25 10:20	02/07/25 23:00	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	3400		190	390	ug/Kg
50-32-8	Benzo(a)pyrene	6400	E	210	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		180	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	880		190	390	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3200		180	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	200	390	ug/Kg
123-91-1	1,4-Dioxane	390	U	250	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	390	U	170	390	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.8		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	87.7		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.4		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.2		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.6		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	64.6		10 - 105	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88500	6.792			
1146-65-2	Naphthalene-d8	335000	8.075			
15067-26-2	Acenaphthene-d10	161000	9.828			
1517-22-2	Phenanthrene-d10	239000	11.322			
1719-03-5	Chrysene-d12	139000	13.974			
1520-96-3	Perylene-d12	114000	15.451			
TENTATIVE IDENTIFIED COMPOUNDS						
000544-76-3	Hexadecane	160	J		9.23	ug/Kg
000112-40-3	Dodecane	350	J		10.3	ug/Kg
001855-47-6	1-Isopropenylnaphthalene	160	J		10.4	ug/Kg
000119-61-9	Benzophenone	470	J		10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	170	J		11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	250	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	450	J		11.9	ug/Kg

Raw Data: **BF141525.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141525.D	2	01/31/25 10:20	02/07/25 23:00	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000612-94-2	Naphthalene, 2-phenyl-	170	J		12.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	270	J		13.0	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	400	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	190	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	300	J		13.2	ug/Kg
003442-78-2	Pyrene, 2-methyl-	170	J		13.3	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	180	J		13.5	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	160	J		13.7	ug/Kg
000195-19-7	Benzo[c]phenanthrene	190	J		14.1	ug/Kg
000192-97-2	Benzo[e]pyrene	1500	J		15.1	ug/Kg
000198-55-0	Perylene	5800	J		15.3	ug/Kg

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

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

Sample Results: **BF141525.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 08 00:33:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	88460	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	334845	20.000	ng		0.00
39) Acenaphthene-d10	9.828	164	160965	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	239283	20.000	ng		0.00
76) Chrysene-d12	13.974	240	139382	20.000	ng		0.01
86) Perylene-d12	15.451	264	114069	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	247692	43.898	ng		0.00
7) Phenol-d6	6.434	99	312879	43.872	ng		0.00
23) Nitrobenzene-d5	7.351	82	187463	29.201	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	55426	34.278	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	340669	32.606	ng		0.00
79) Terphenyl-d14	12.904	244	266854	32.321	ng		0.00
Target Compounds							Qvalue
52) Acenaphthene	9.863	154	58352	6.324	ng		98
55) Dibenzofuran	10.033	168	38184	2.819	ng	#	97
58) Fluorene	10.375	166	54478	5.202	ng	#	99
71) Phenanthrene	11.345	178	991499	75.276	ng		99
72) Anthracene	11.398	178	332071	25.080	ng		100
73) Carbazole	11.551	167	25750	2.161	ng	#	92
75) Fluoranthene	12.545	202	1927136	138.004	ng		99
78) Pyrene	12.774	202	1759024	148.251	ng		99
81) Benzo(a)anthracene	13.963	228	750173	80.967	ng		97
83) Chrysene	13.998	228	589064	68.856	ng		97
84) Bis(2-ethylhexyl)phtha...	13.951	149	11998	2.588	ng	#	95
87) Indeno(1,2,3-cd)pyrene	16.904	276	263652	37.407	ng		96
88) Benzo(b)fluoranthene	15.033	252	646107m	84.357	ng		
89) Benzo(k)fluoranthene	15.045	252	291452m	44.563	ng		
90) Benzo(a)pyrene	15.392	252	515107	83.114	ng		96
91) Dibenzo(a,h)anthracene	16.909	278	65113	11.401	ng	#	88
92) Benzo(g,h,i)perylene	17.345	276	250508	41.916	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 08 00:33:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
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QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
JPP-5.4-013025

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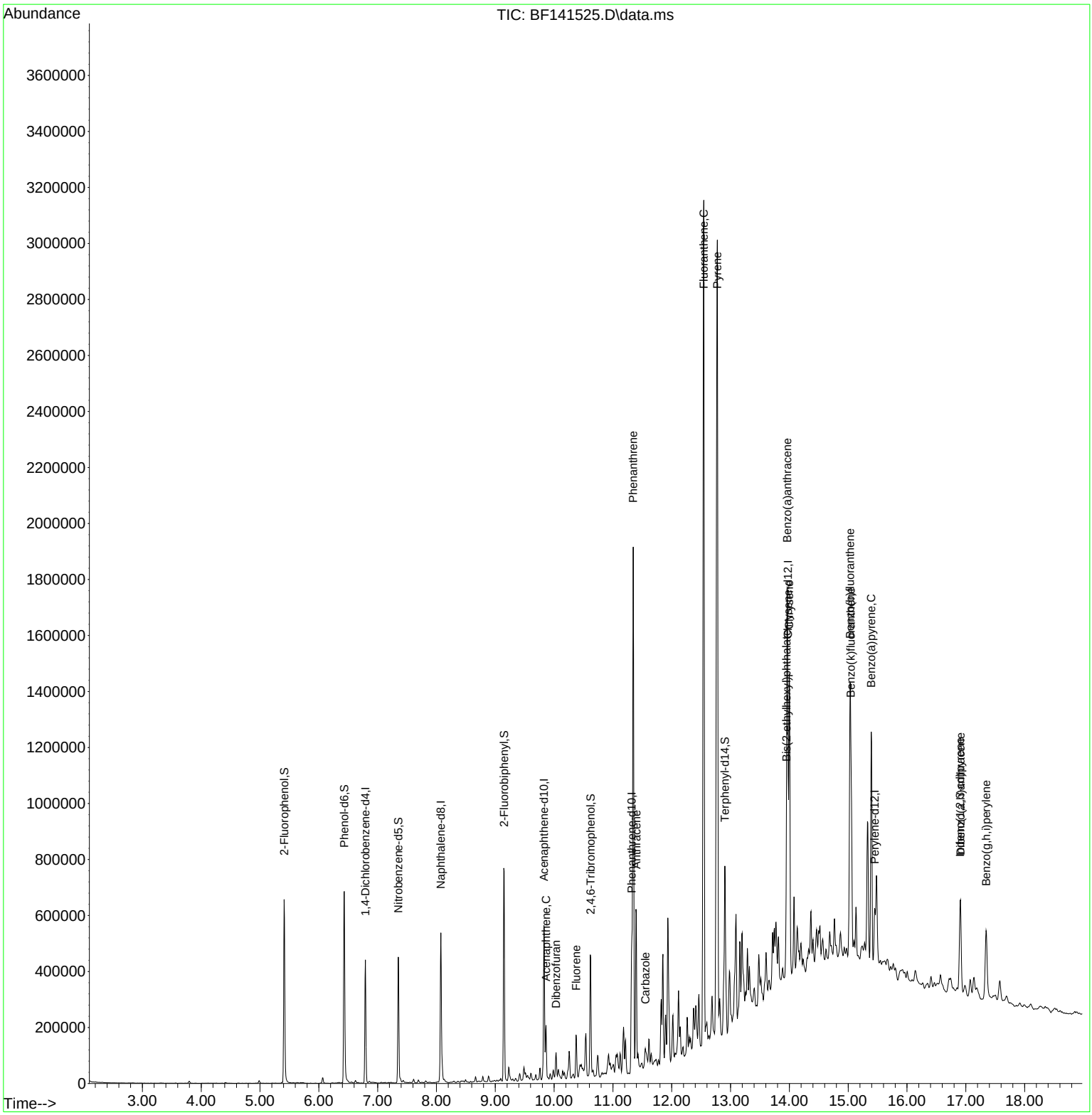
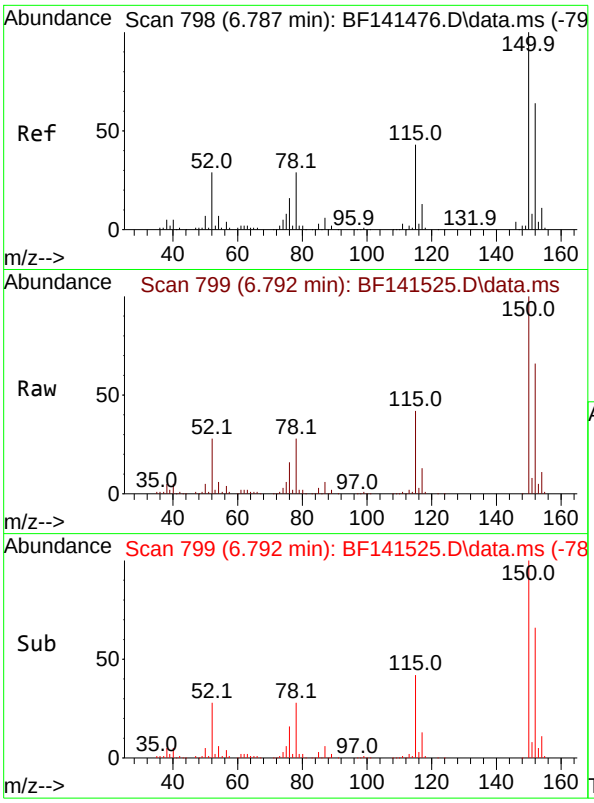
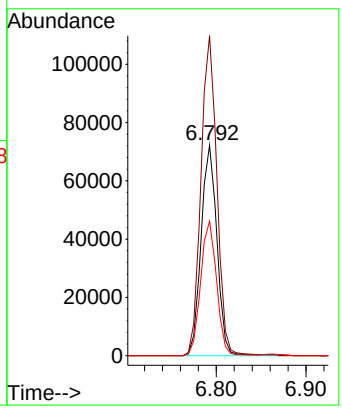




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:152 Resp: 8846

Ion	Ratio	Lower	Upper
152	100		
150	152.0	125.0	187.4
115	63.9	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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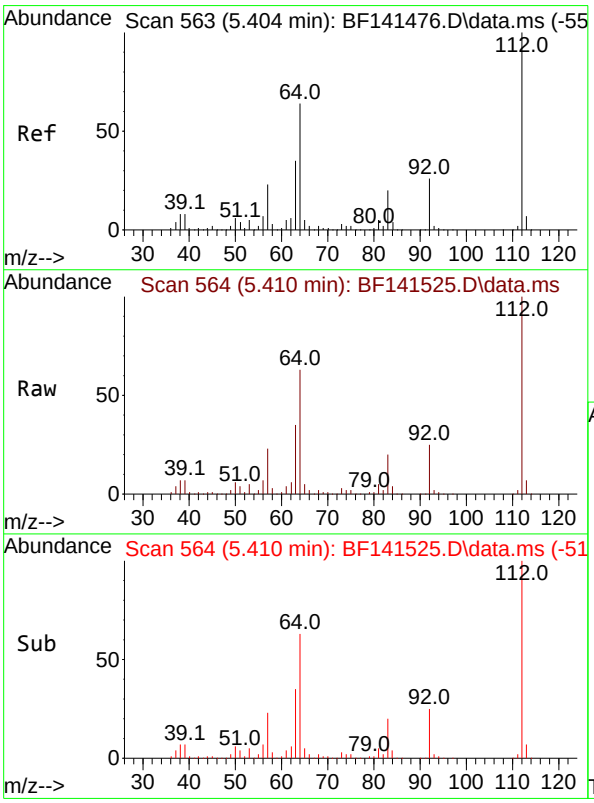
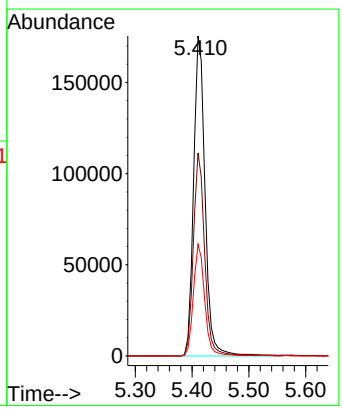
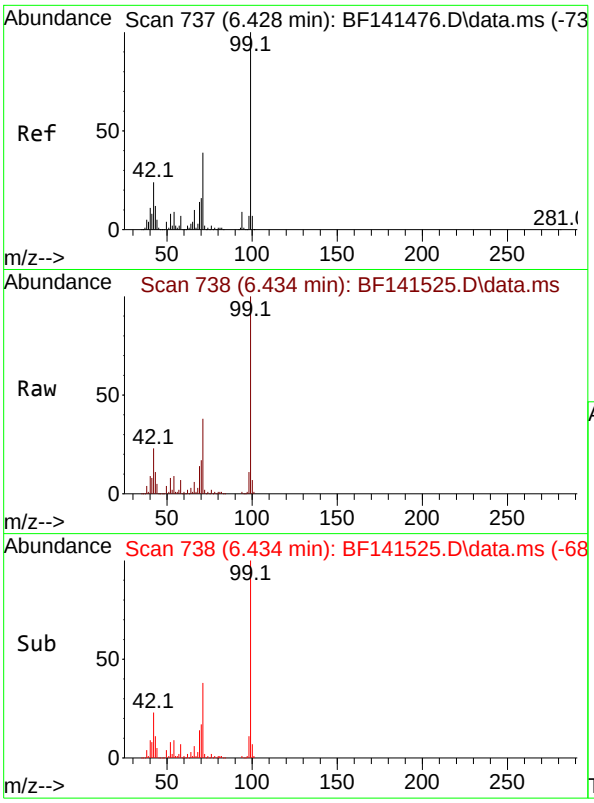


#5
2-Fluorophenol
Concen: 43.898 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:112 Resp: 247692

Ion	Ratio	Lower	Upper
112	100		
64	63.4	51.1	76.7
63	34.9	28.4	42.6

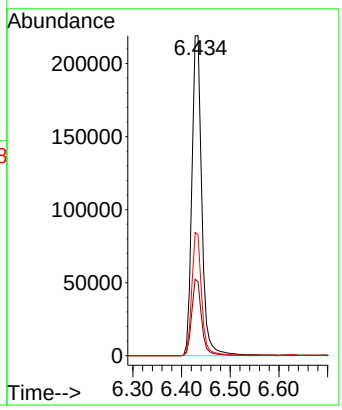




#7
Phenol-d6
Concen: 43.872 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion: 99 Resp: 31287

Ion	Ratio	Lower	Upper
99	100		
42	23.1	19.1	28.7
71	37.8	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
APPROVED

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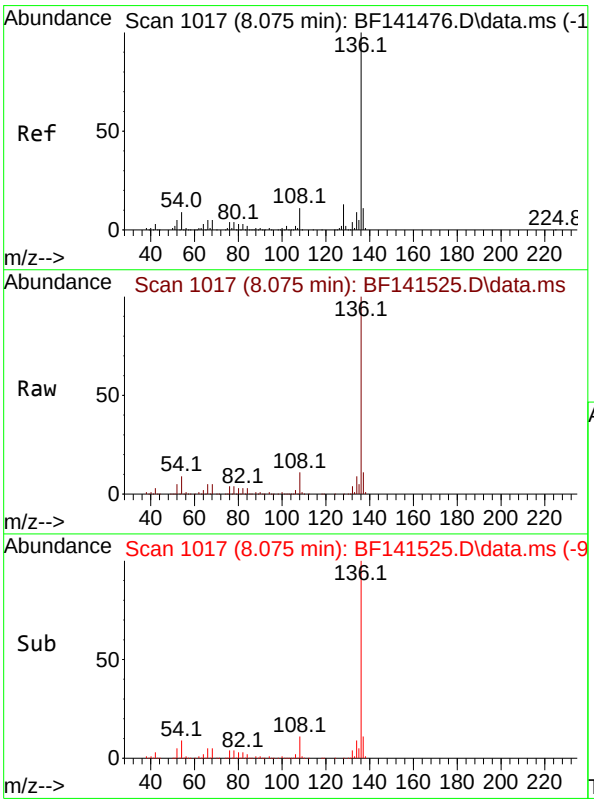
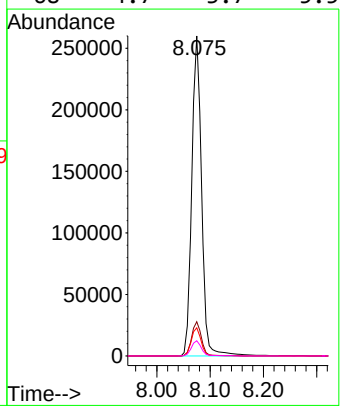
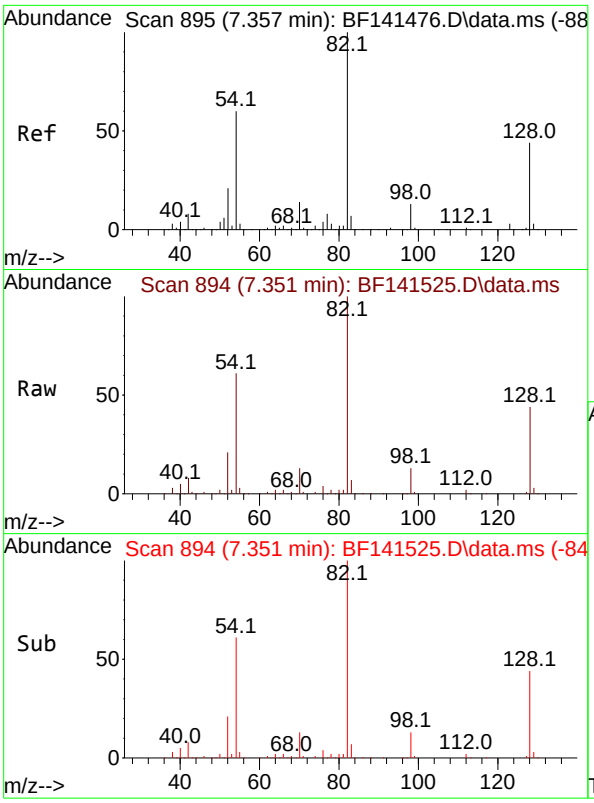


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:136 Resp: 334845

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.8	7.2	10.8
68	4.7	3.7	5.5





#23
Nitrobenzene-d5
Concen: 29.201 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion: 82 Resp: 18746

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.8	52.2
54	61.2	48.2	72.4

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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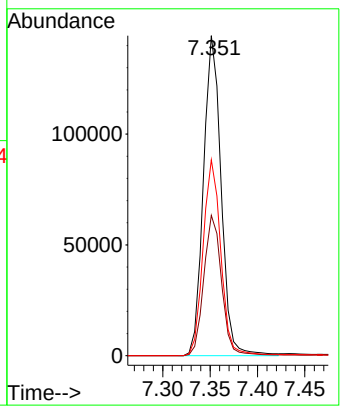
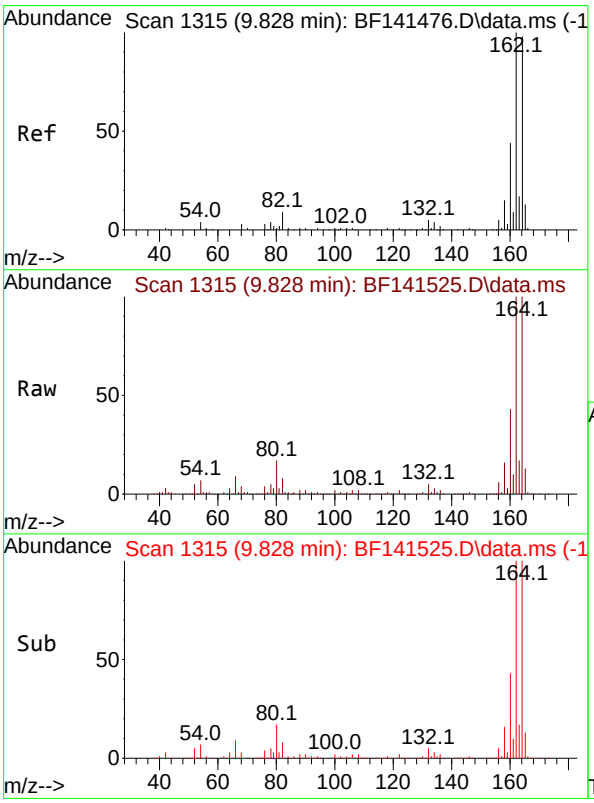
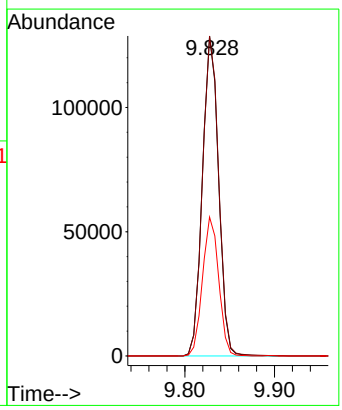


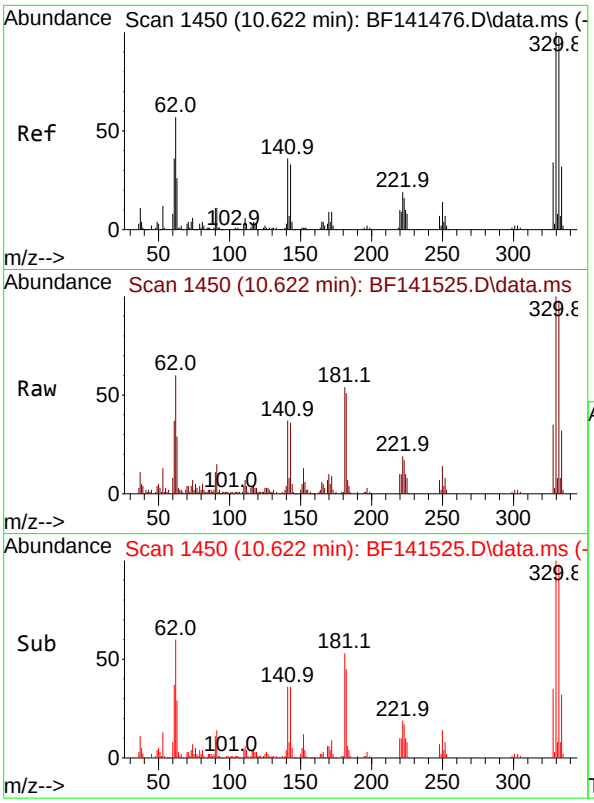


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:164 Resp: 160965

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.3	121.9
160	43.4	35.9	53.9

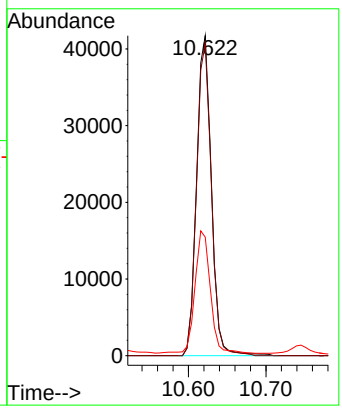




#42
2,4,6-Tribromophenol
Concen: 34.278 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:330 Resp: 5542

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.5	117.7
141	40.0	31.0	46.4



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
APPROVED

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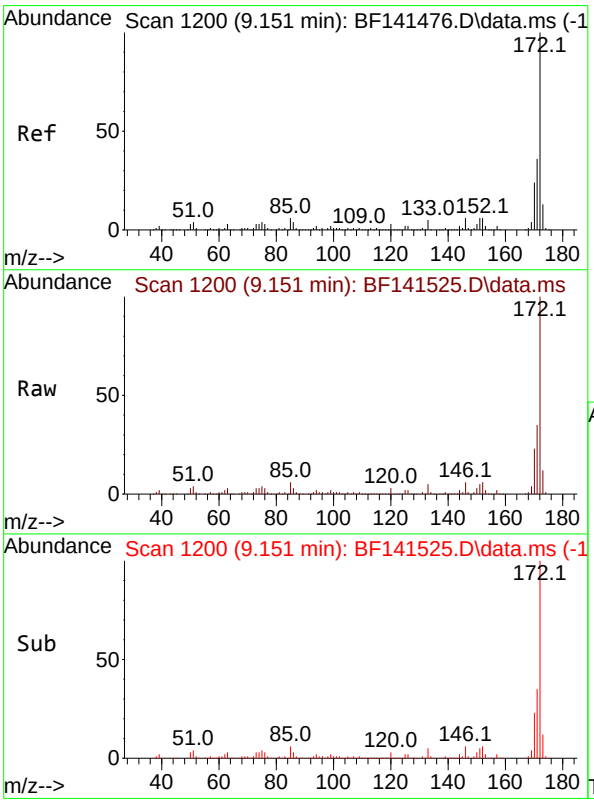
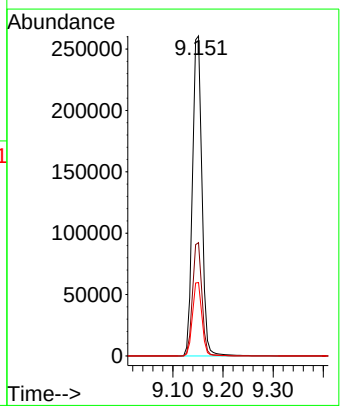
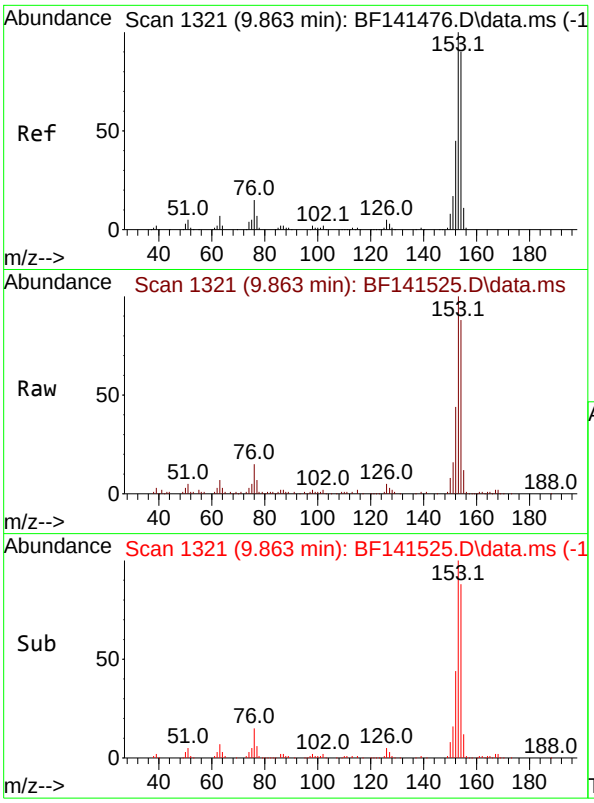


#45
2-Fluorobiphenyl
Concen: 32.606 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:172 Resp: 340669

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.0	18.9	28.3





#52
Acenaphthene
Concen: 6.324 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:154 Resp: 5835

Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.2	133.8
152	50.0	39.8	59.8

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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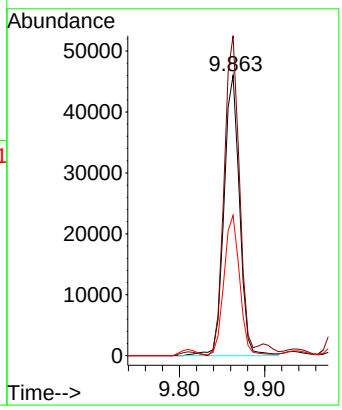
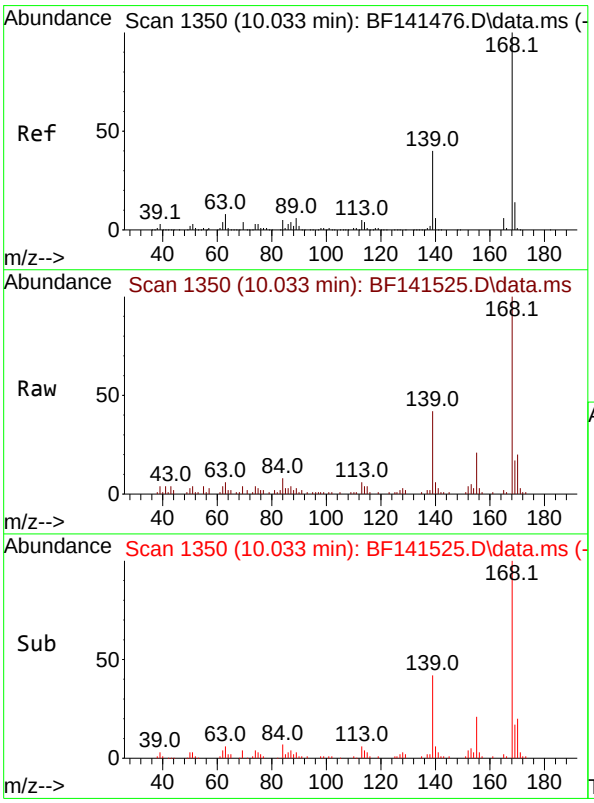
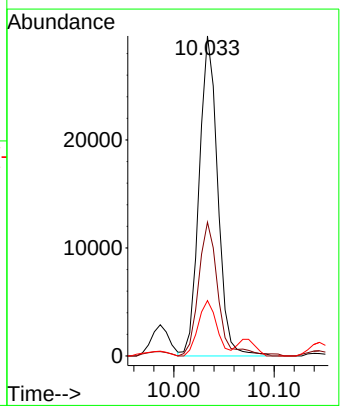


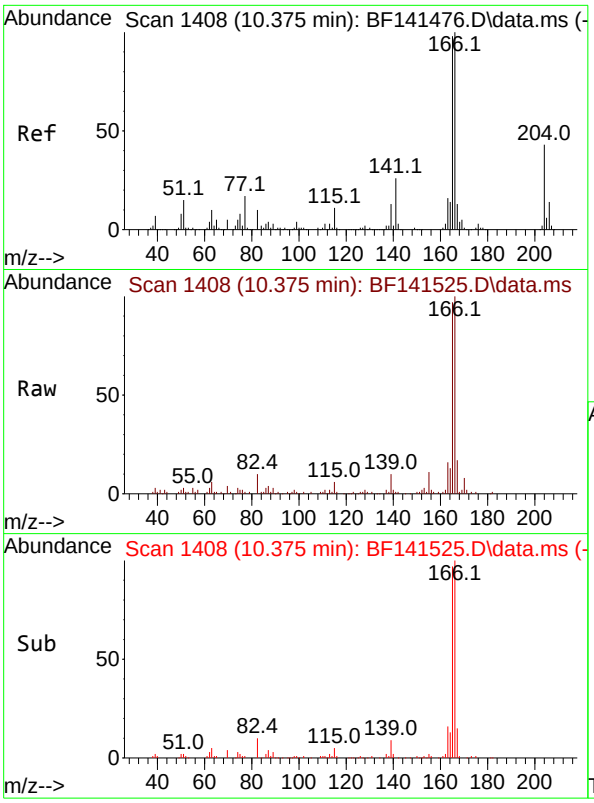


#55
Dibenzofuran
Concen: 2.819 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:168 Resp: 38184

Ion	Ratio	Lower	Upper
168	100		
139	41.8	32.7	49.1
169	17.3	10.8	16.2#

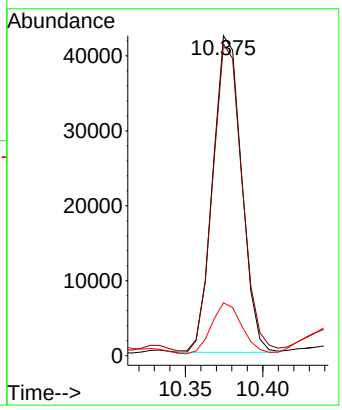




#58
Fluorene
Concen: 5.202 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:166 Resp: 5447

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.2	117.2
167	16.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

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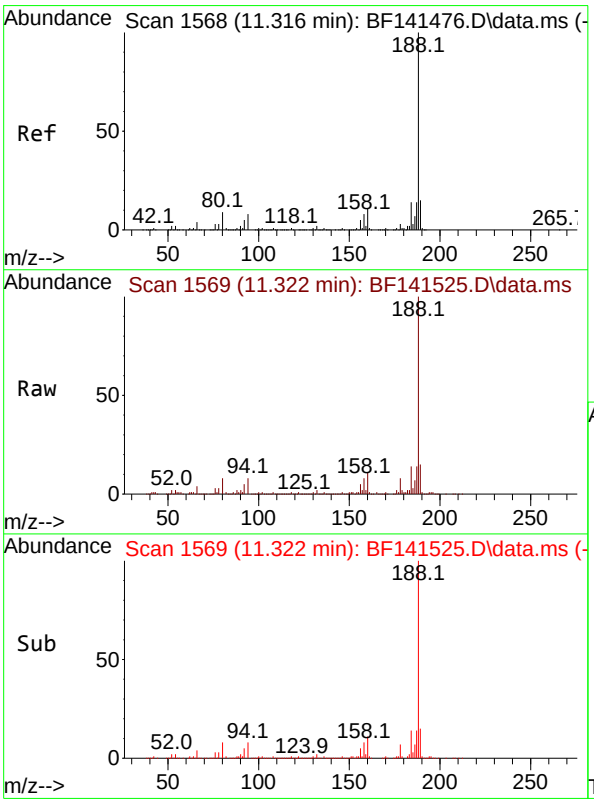
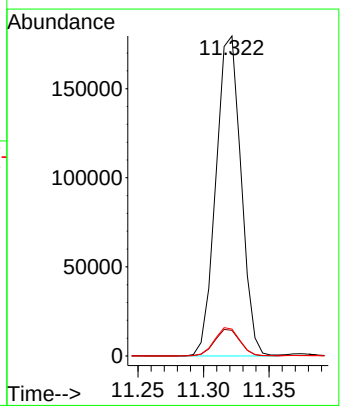
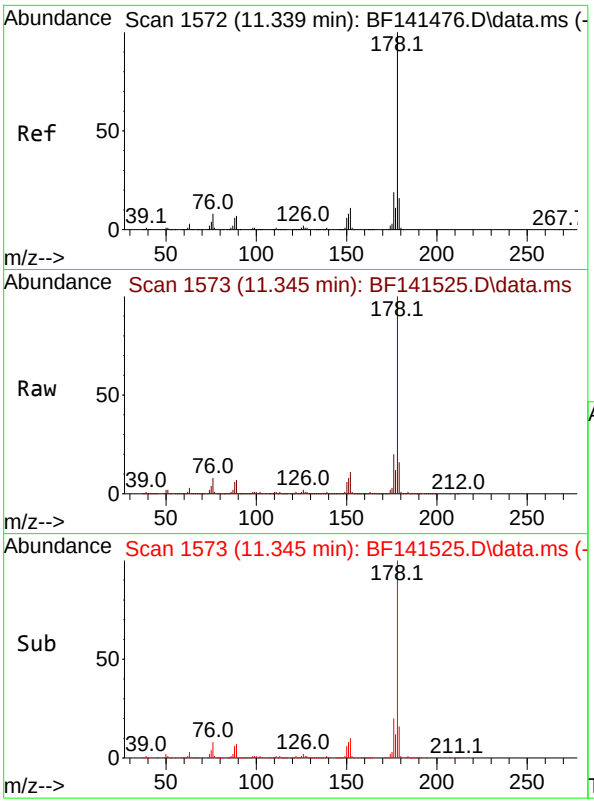


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:188 Resp: 239283

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.6	10.0
80	8.4	7.3	10.9

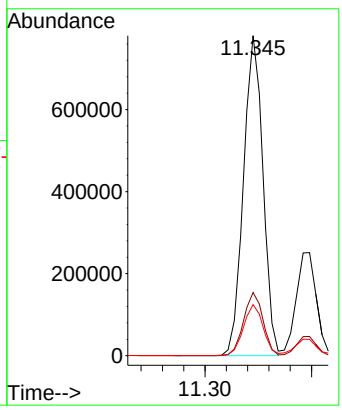




#71
Phenanthrene
Concen: 75.276 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:178 Resp: 99149

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	15.9	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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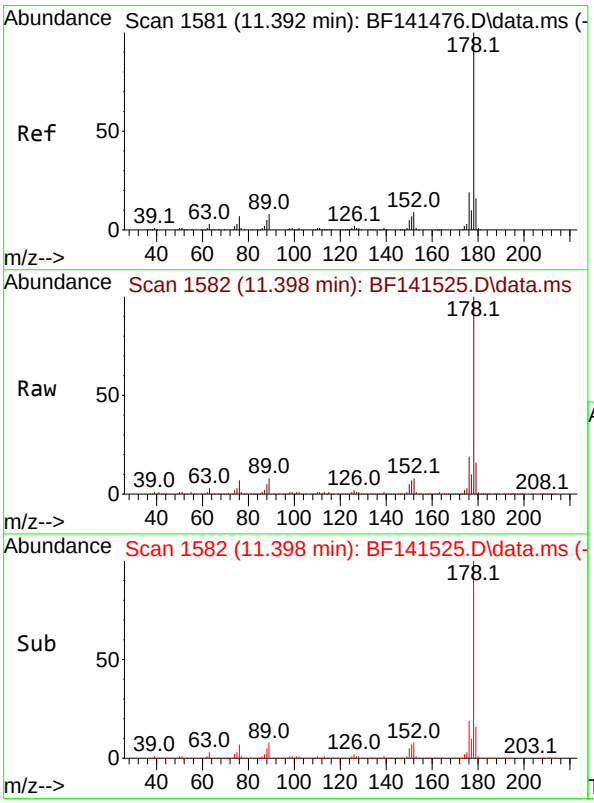
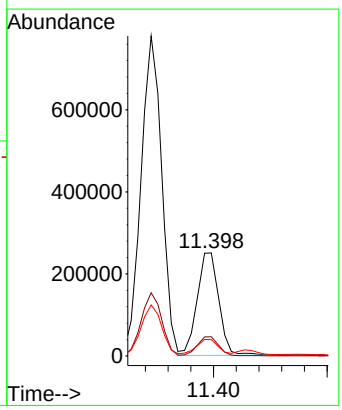
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

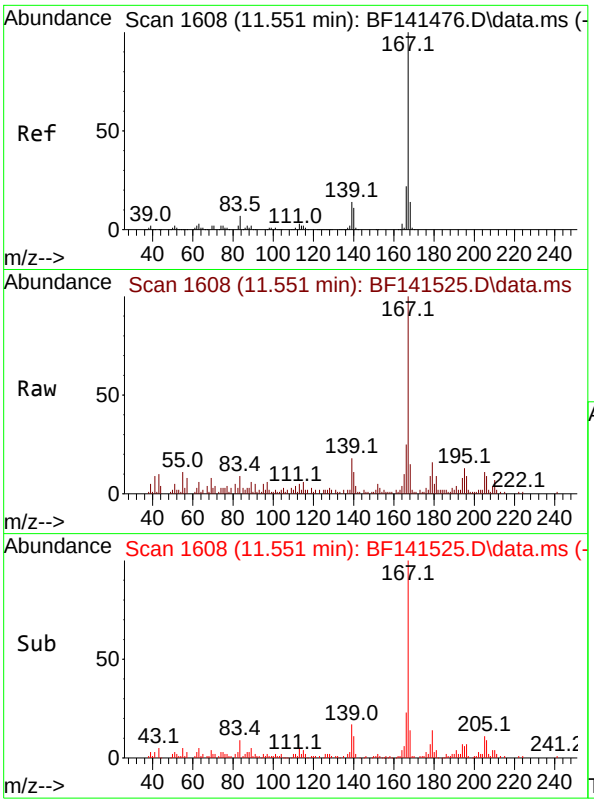


#72
Anthracene
Concen: 25.080 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:178 Resp: 332071

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.8	12.4	18.6

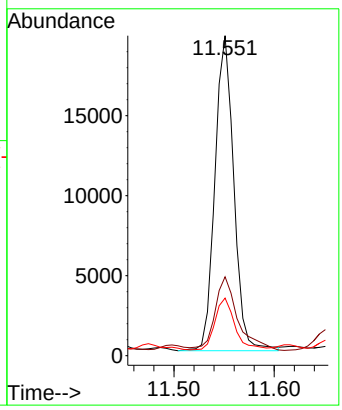




#73
Carbazole
Concen: 2.161 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:167 Resp: 2575

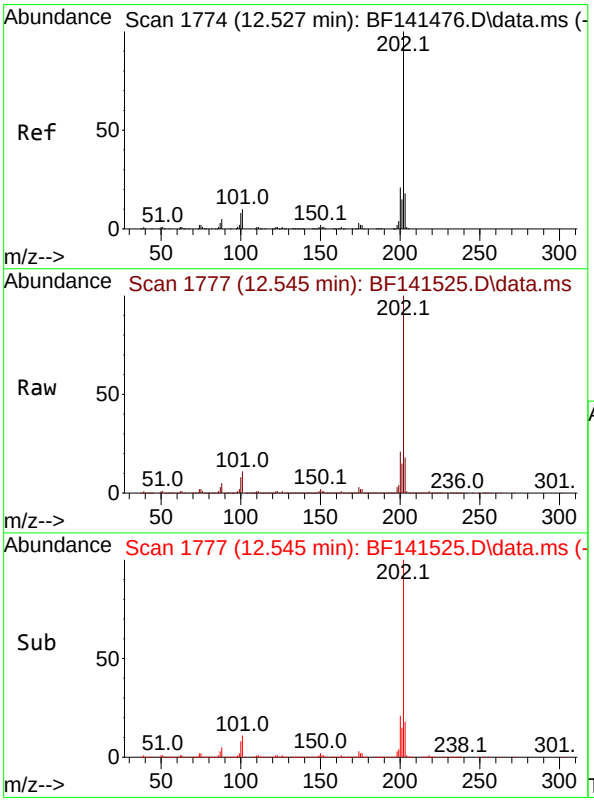
Ion	Ratio	Lower	Upper
167	100		
166	24.6	17.4	26.2
139	18.0	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
APPROVED

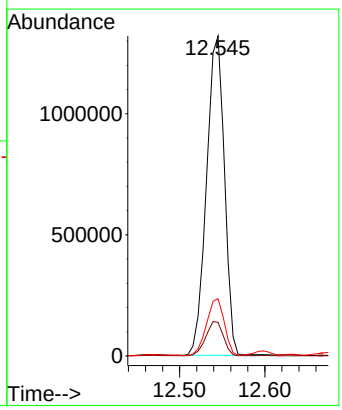
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

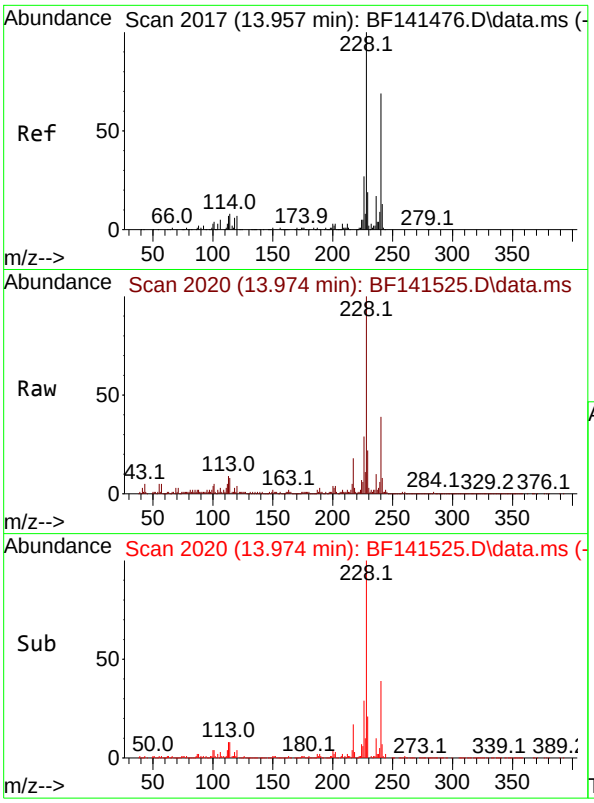


#75
Fluoranthene
Concen: 138.004 ng
RT: 12.545 min Scan# 1777
Delta R.T. 0.012 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:202 Resp: 1927136

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.9	0.0	37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Tgt Ion:240 Resp: 13938

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.0	12.0
236	25.7	19.8	29.8

Manual Integrations
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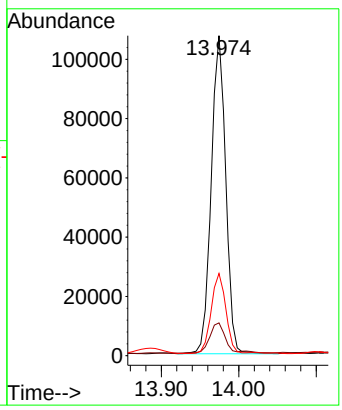
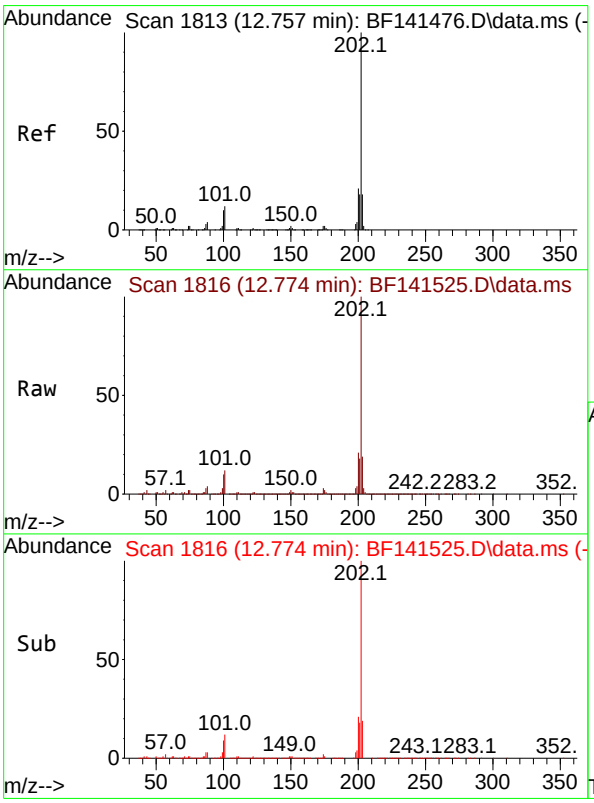
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

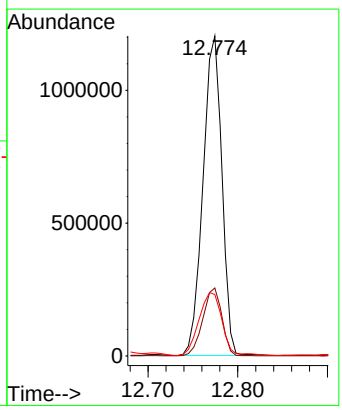


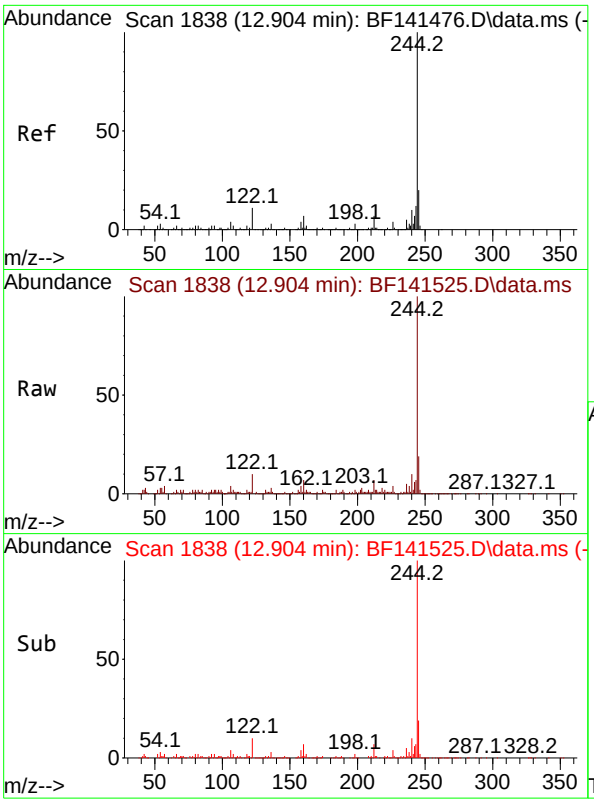


#78
Pyrene
Concen: 148.251 ng
RT: 12.774 min Scan# 1816
Delta R.T. 0.012 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:202 Resp: 1759024

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	19.2	14.3	21.5

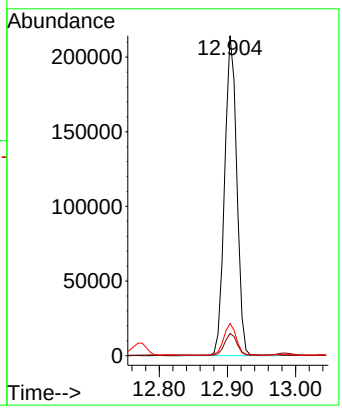




#79
Terphenyl-d14
Concen: 32.321 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:244 Resp: 26685

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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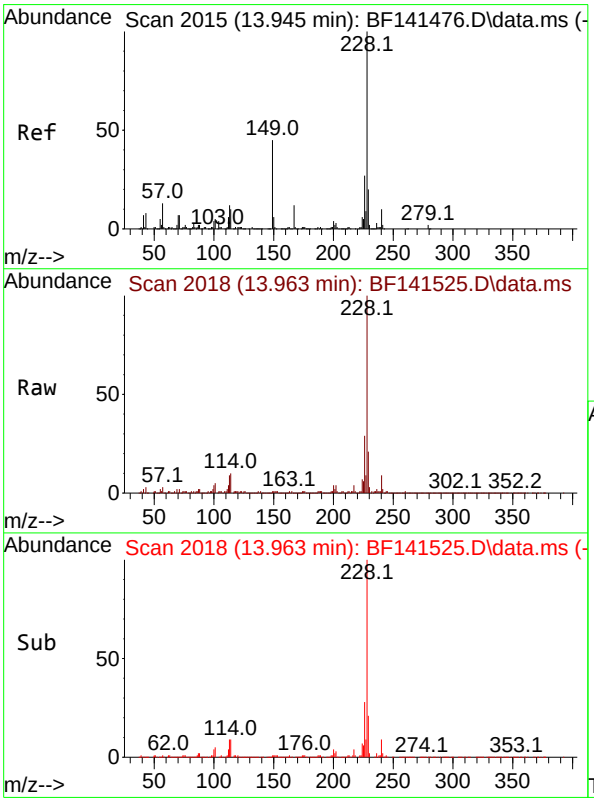
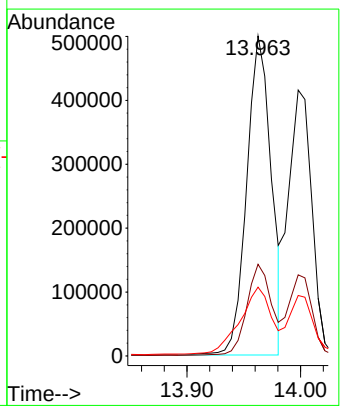
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

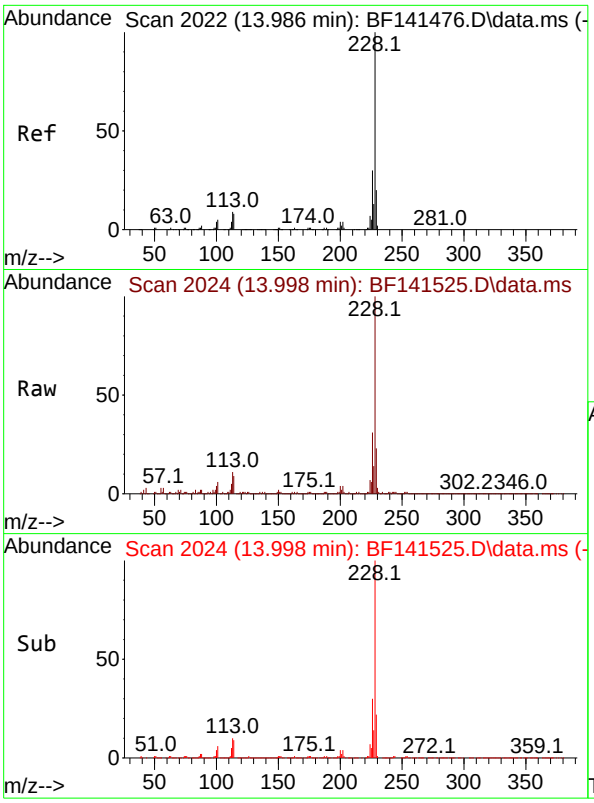


#81
Benzo(a)anthracene
Concen: 80.967 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:228 Resp: 750173

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.8
229	21.5	15.8	23.6





#83
Chrysene
Concen: 68.856 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

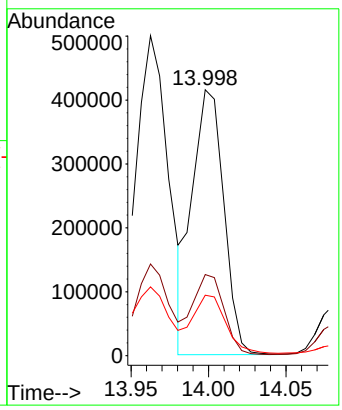
Tgt Ion:228 Resp: 58906

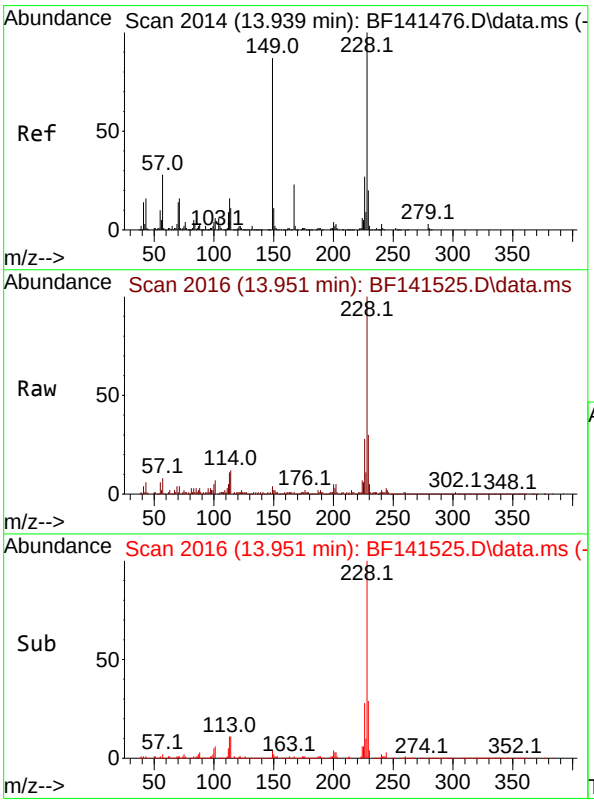
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	22.7	15.7	23.5

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

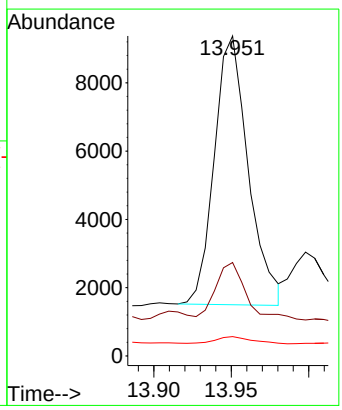


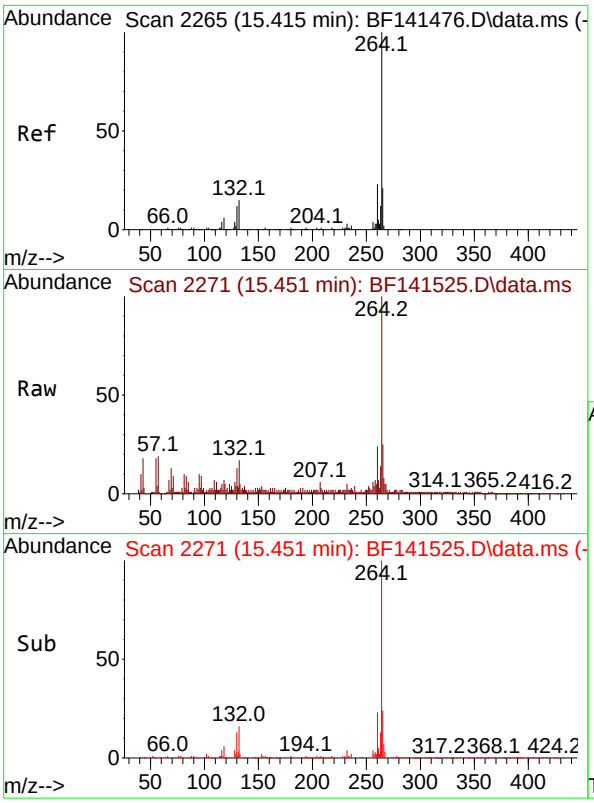


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.588 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:149 Resp: 11998

Ion	Ratio	Lower	Upper
149	100		
167	29.2	21.4	32.0
279	6.0	3.1	4.7#

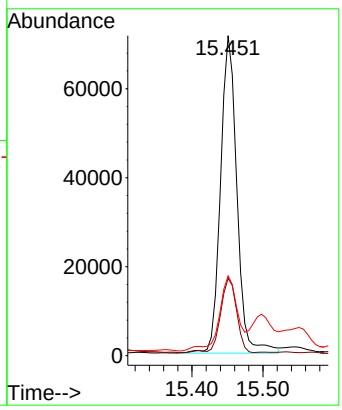




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:264 Resp: 11406

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	25.0	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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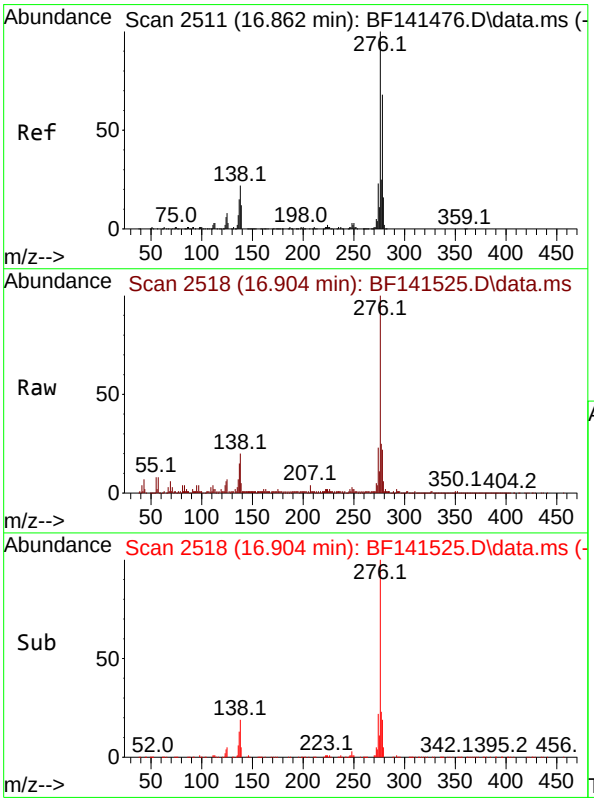
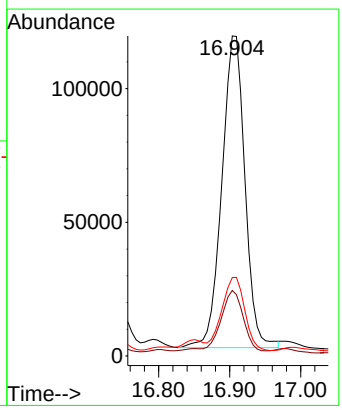
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

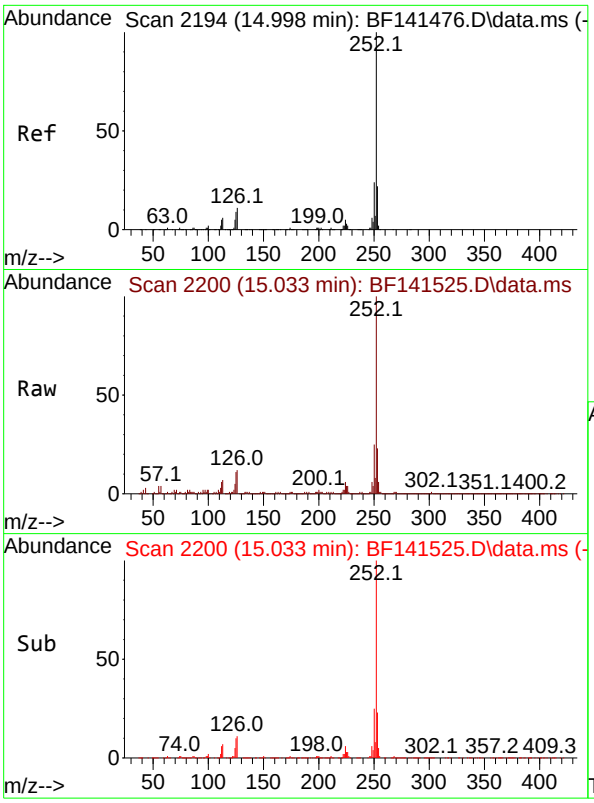


#87
Indeno(1,2,3-cd)pyrene
Concen: 37.407 ng
RT: 16.904 min Scan# 2518
Delta R.T. 0.030 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:276 Resp: 263652

Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.0	27.0
277	23.2	20.4	30.6

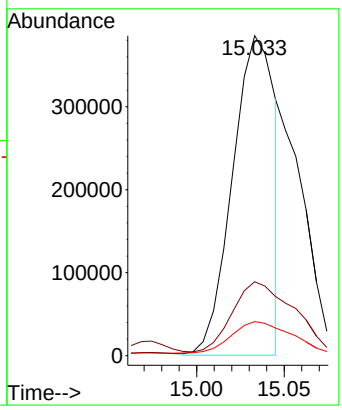




#88
Benzo(b)fluoranthene
Concen: 84.357 ng m
RT: 15.033 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:252 Resp: 64610

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	10.6	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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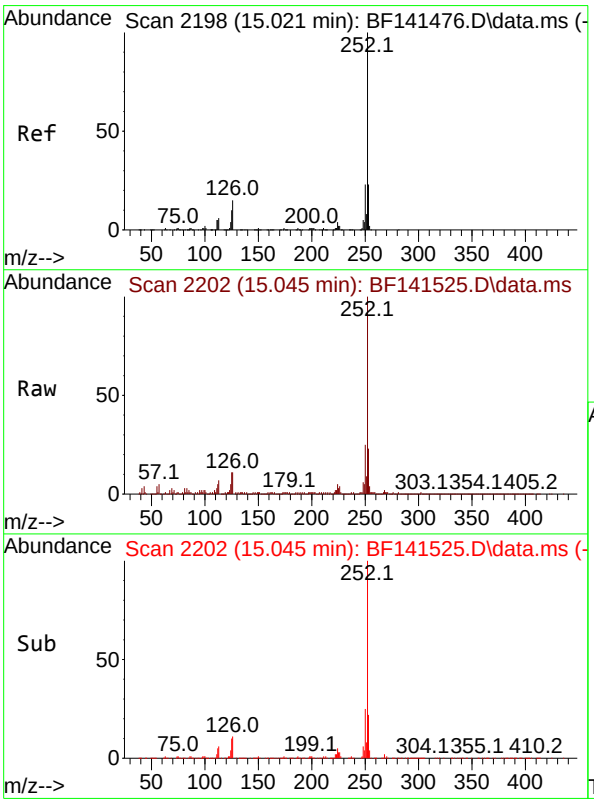
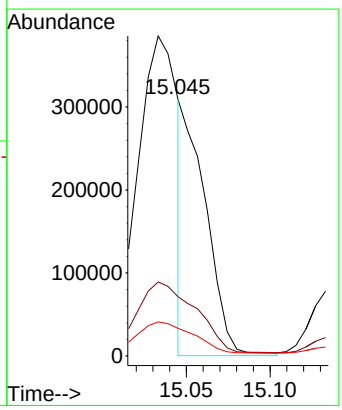
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

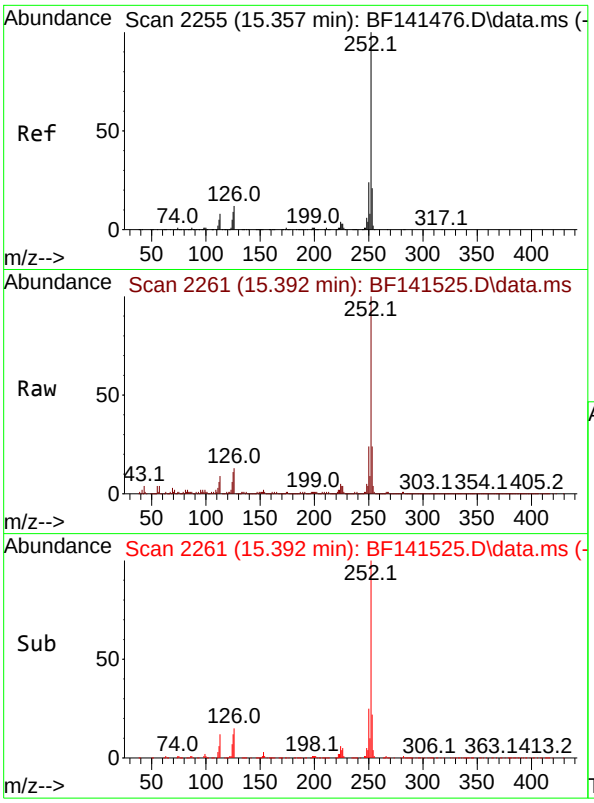


#89
Benzo(k)fluoranthene
Concen: 44.563 ng m
RT: 15.045 min Scan# 2202
Delta R.T. 0.012 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:252 Resp: 291452

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.8	7.4	11.0

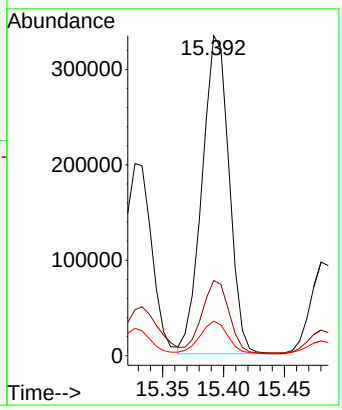




#90
Benzo(a)pyrene
Concen: 83.114 ng
RT: 15.392 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:252 Resp: 51510

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	10.8	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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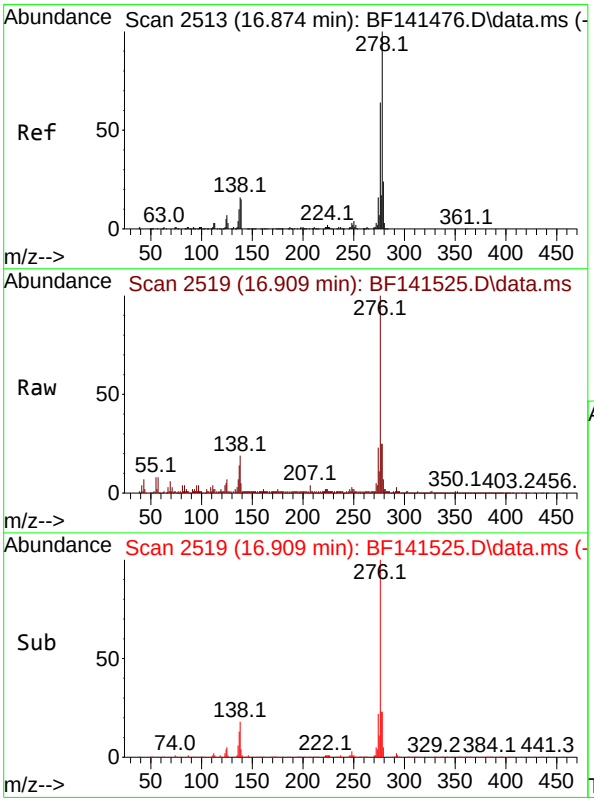
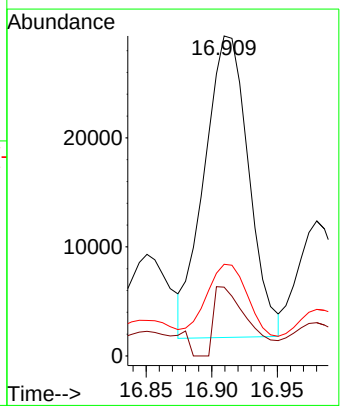
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

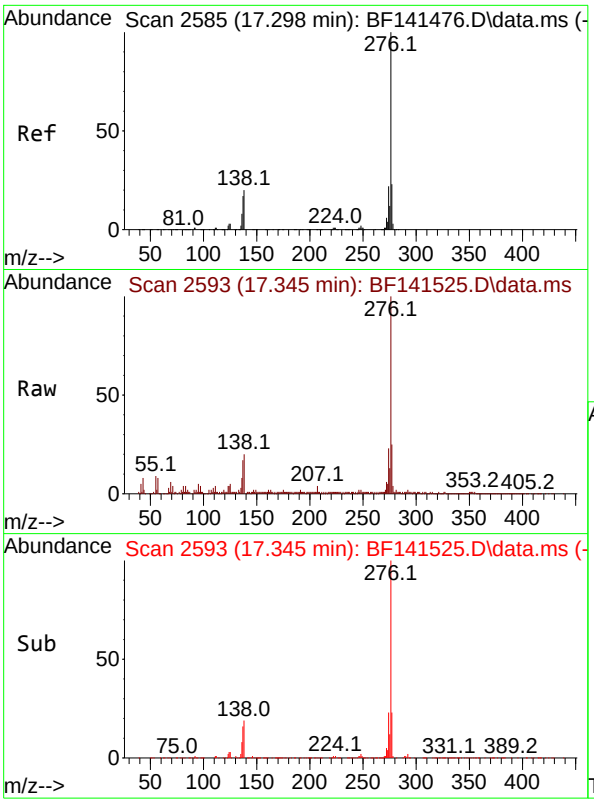


#91
Dibenzo(a,h)anthracene
Concen: 11.401 ng
RT: 16.909 min Scan# 2519
Delta R.T. 0.018 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:278 Resp: 65113

Ion	Ratio	Lower	Upper
278	100		
139	21.5	11.8	17.6#
279	28.7	19.1	28.7

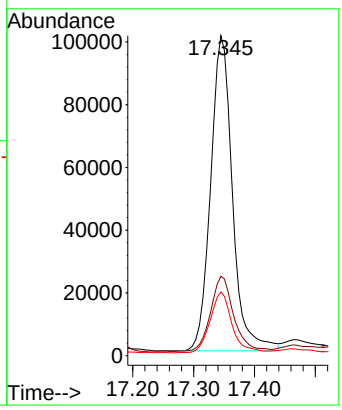




#92
Benzo(g,h,i)perylene
Concen: 41.916 ng
RT: 17.345 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:276 Resp: 25050

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	19.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Manual Integrations
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Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

Sample Results: **BF141525.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141525.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	559	564	580	rVB	654244	898888	18.62%	2.216%
2	6.434	732	738	754	rBV	682882	987222	20.45%	2.434%
3	6.792	794	799	806	rBV	439676	542298	11.23%	1.337%
4	7.351	884	894	904	rBV	449839	599098	12.41%	1.477%
5	8.075	1010	1017	1025	rBV	533060	763826	15.82%	1.883%
6	9.145	1194	1199	1209	rBV	760462	984548	20.40%	2.427%
7	9.228	1209	1213	1222	rBV2	47087	76622	1.59%	0.189%
8	9.486	1253	1257	1260	rBV	44666	63517	1.32%	0.157%
9	9.763	1299	1304	1308	rVB	41434	52791	1.09%	0.130%
10	9.828	1308	1315	1318	rBV	550660	716900	14.85%	1.767%
11	9.863	1318	1321	1326	rVB	186364	224817	4.66%	0.554%
12	10.033	1345	1350	1354	rVV	91071	121542	2.52%	0.300%
13	10.075	1354	1357	1365	rVB4	31916	52987	1.10%	0.131%
14	10.257	1380	1388	1393	rBV2	98225	162774	3.37%	0.401%
15	10.375	1403	1408	1414	rBV	153806	210812	4.37%	0.520%
16	10.439	1414	1419	1421	rBV	43169	74219	1.54%	0.183%
17	10.539	1431	1436	1442	rVB2	151883	220919	4.58%	0.545%
18	10.616	1444	1449	1455	rBV	430658	595754	12.34%	1.469%
19	10.739	1465	1470	1477	rVB2	77757	135936	2.82%	0.335%
20	10.927	1495	1502	1505	rBV3	69546	135558	2.81%	0.334%
21	11.057	1519	1524	1525	rBV2	61331	88617	1.84%	0.218%
22	11.122	1532	1535	1539	rVB	67320	83504	1.73%	0.206%
23	11.180	1539	1545	1548	rVV3	164112	280866	5.82%	0.692%
24	11.216	1548	1551	1557	rVB	120376	163447	3.39%	0.403%
25	11.345	1563	1573	1577	rBV2	1881258	3015153	62.46%	7.433%
26	11.392	1577	1581	1585	rVV	572285	761762	15.78%	1.878%
27	11.427	1585	1587	1593	rVB2	47705	62139	1.29%	0.153%
28	11.551	1603	1608	1615	rBV4	67094	165311	3.42%	0.408%
29	11.610	1615	1618	1622	rVV	94681	131780	2.73%	0.325%
30	11.651	1622	1625	1630	rVB4	39524	57278	1.19%	0.141%
31	11.822	1649	1654	1656	rBV	232070	327962	6.79%	0.809%
32	11.851	1656	1659	1663	rVV	387454	488330	10.12%	1.204%
33	11.898	1663	1667	1669	rVV	166148	214987	4.45%	0.530%
34	11.933	1669	1673	1681	rVB	512739	875543	18.14%	2.159%
35	12.022	1681	1688	1692	rBV	164850	262607	5.44%	0.647%
36	12.116	1698	1704	1707	rBV	223804	325396	6.74%	0.802%

Sample Results: **BF141525.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.145	1707	1709	1713	rVB	98730	98974	2.05%	0.244%
38	12.263	1725	1729	1732	rBV2	128016	164963	3.42%	0.407%
39	12.369	1743	1747	1751	rBV	142181	232944	4.83%	0.574%
40	12.410	1751	1754	1759	rVV4	144990	247775	5.13%	0.611%
41	12.463	1759	1763	1768	rVB	184728	257404	5.33%	0.635%
42	12.545	1770	1777	1781	rBV	3020104	4436917	91.91%	10.939%
43	12.598	1781	1786	1789	rVB2	58976	113986	2.36%	0.281%
44	12.686	1797	1801	1808	rVB2	134476	199605	4.13%	0.492%
45	12.774	1808	1816	1820	rBV	2834489	4827276	100.00%	11.901%
46	12.816	1820	1823	1829	rVB2	130535	181565	3.76%	0.448%
47	12.904	1830	1838	1845	rBV3	601195	1150208	23.83%	2.836%
48	12.980	1846	1851	1856	rBV2	217841	438310	9.08%	1.081%
49	13.092	1863	1870	1874	rVB	373142	647306	13.41%	1.596%
50	13.157	1878	1881	1884	rVV	240559	305067	6.32%	0.752%
51	13.198	1884	1888	1895	rVB2	248600	490920	10.17%	1.210%
52	13.286	1900	1903	1906	rVV2	205185	279641	5.79%	0.689%
53	13.321	1906	1909	1917	rVB2	129562	208310	4.32%	0.514%
54	13.480	1932	1936	1940	rBV2	178241	296779	6.15%	0.732%
55	13.604	1954	1957	1962	rVB	134441	182155	3.77%	0.449%
56	13.716	1972	1976	1978	rBV2	182098	253989	5.26%	0.626%
57	13.816	1990	1993	2000	rVB	154348	198094	4.10%	0.488%
58	13.963	2012	2018	2022	rBV2	1375241	2520513	52.21%	6.214%
59	13.998	2022	2024	2031	rVB	1070214	1402653	29.06%	3.458%
60	14.080	2034	2038	2042	rVB	254257	314625	6.52%	0.776%
61	14.368	2084	2087	2090	rVB	149932	179373	3.72%	0.442%
62	15.033	2194	2200	2209	rBV	971603	2280250	47.24%	5.622%
63	15.133	2214	2217	2222	rVB	173996	217292	4.50%	0.536%
64	15.327	2246	2250	2256	rVB	487089	809175	16.76%	1.995%
65	15.392	2256	2261	2266	rVB	814519	1227170	25.42%	3.025%
66	15.451	2268	2271	2273	rBV	156357	215969	4.47%	0.532%
67	16.909	2513	2519	2526	rVB2	329058	695361	14.40%	1.714%
68	17.345	2588	2593	2609	rVB	239155	561509	11.63%	1.384%

Sum of corrected areas: 40561788

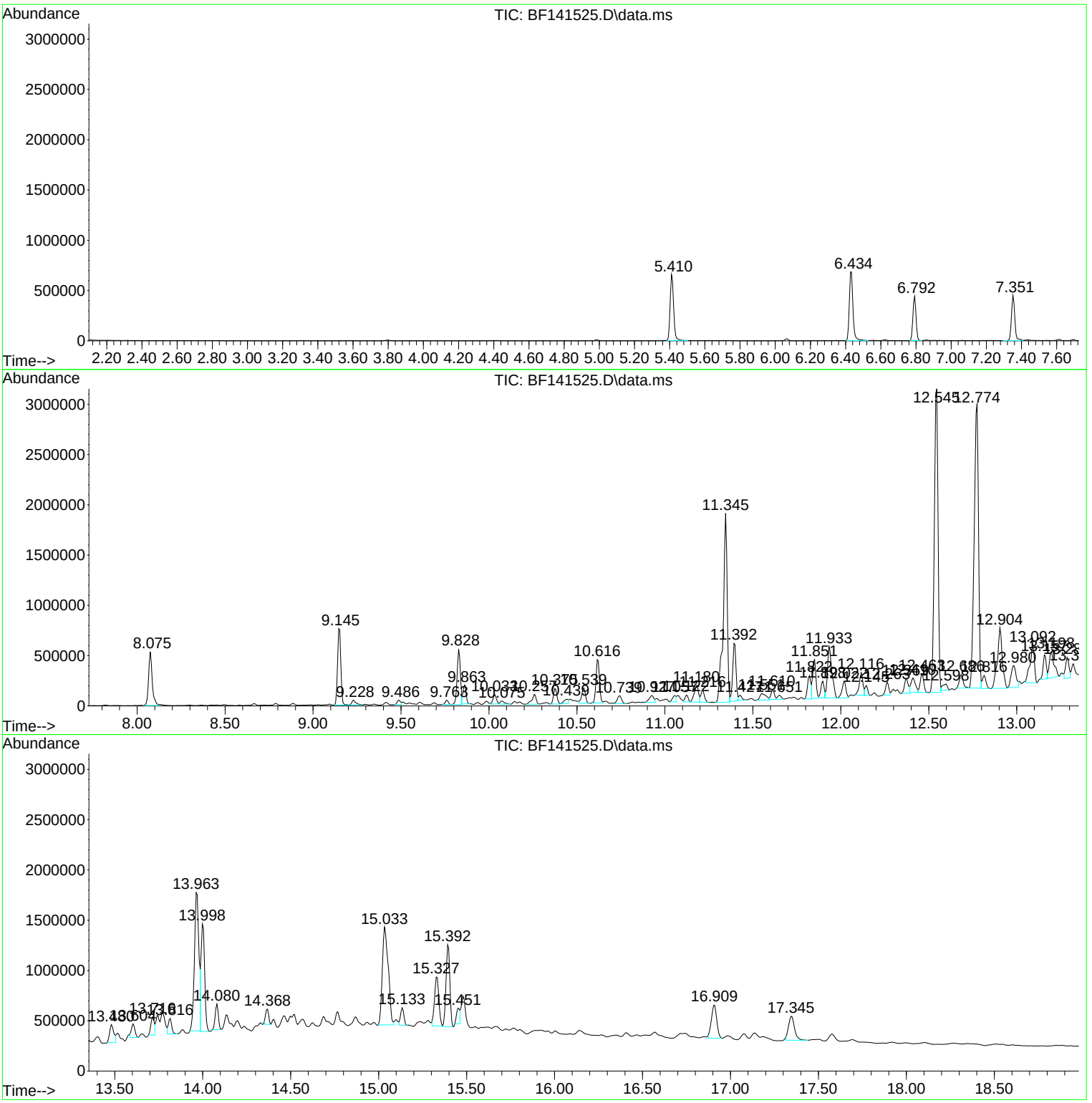
Sample Results: **BF141525.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

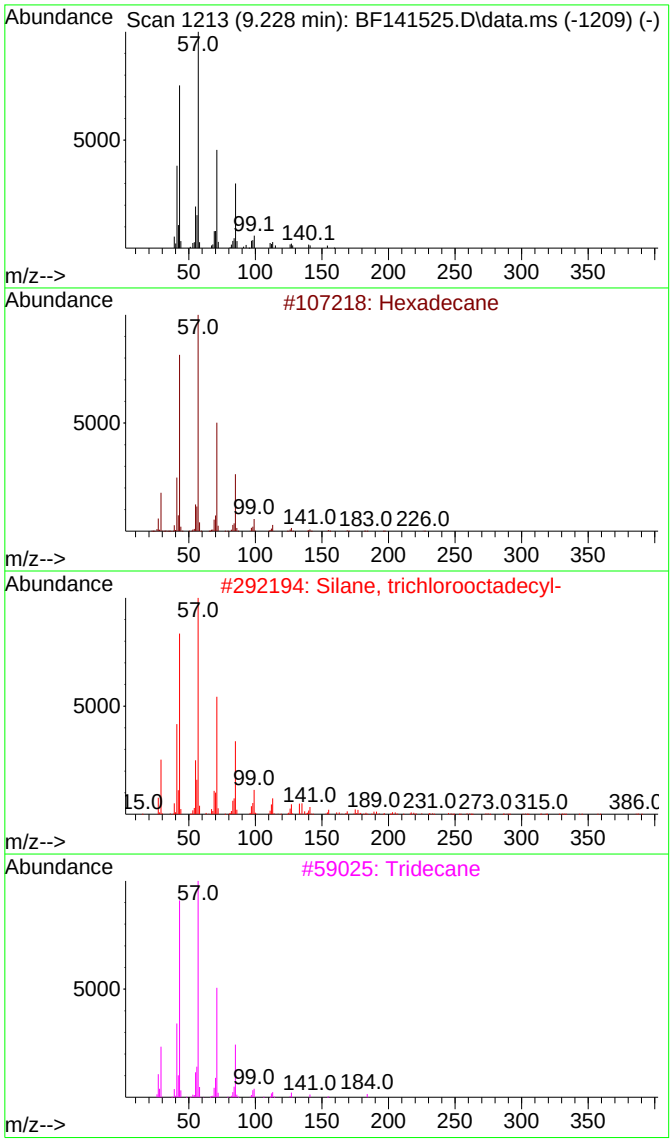
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

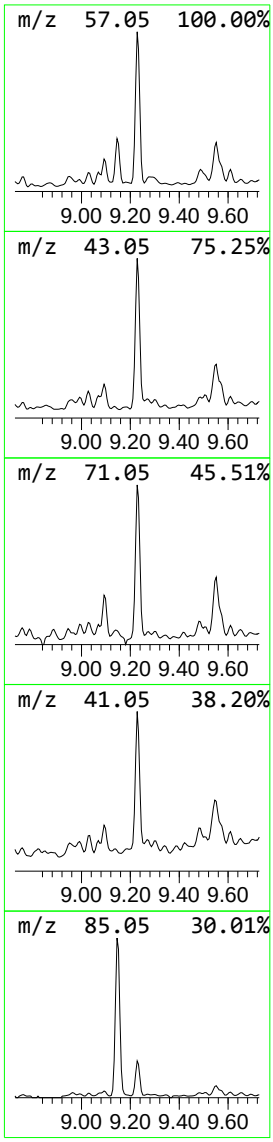
****

Peak Number 1 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.228	2.14 ng	76622	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	90
3	Tridecane	184	C13H28	000629-50-5	86
4	Nonadecane	268	C19H40	000629-92-5	80
5	Eicosane	282	C20H42	000112-95-8	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

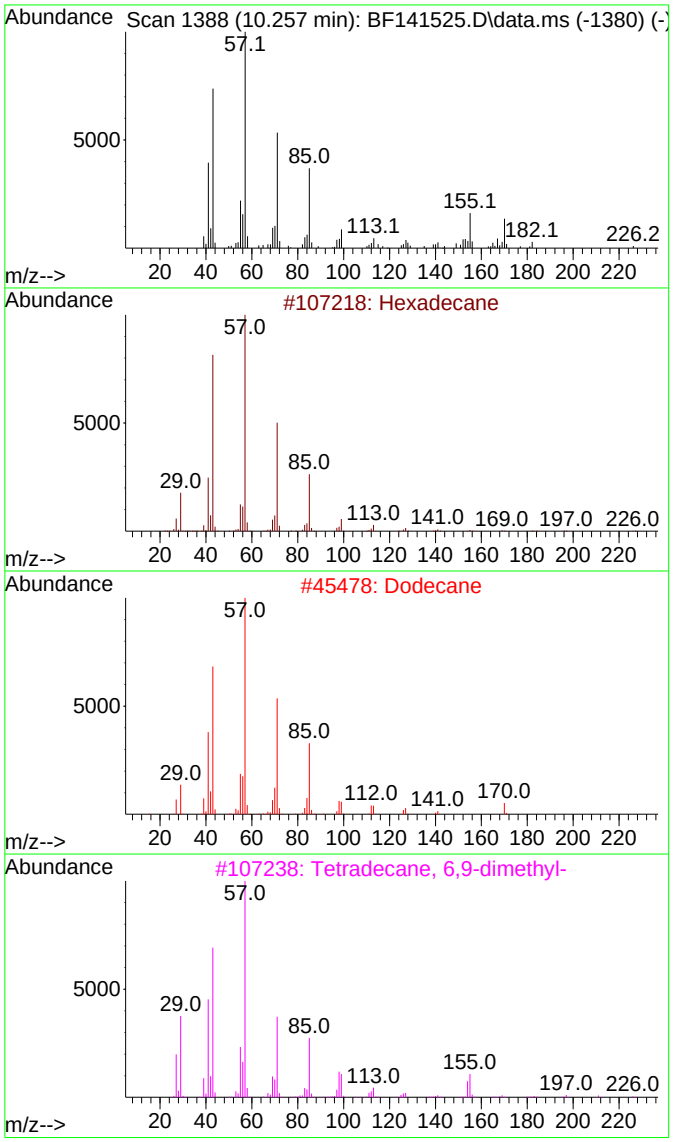
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

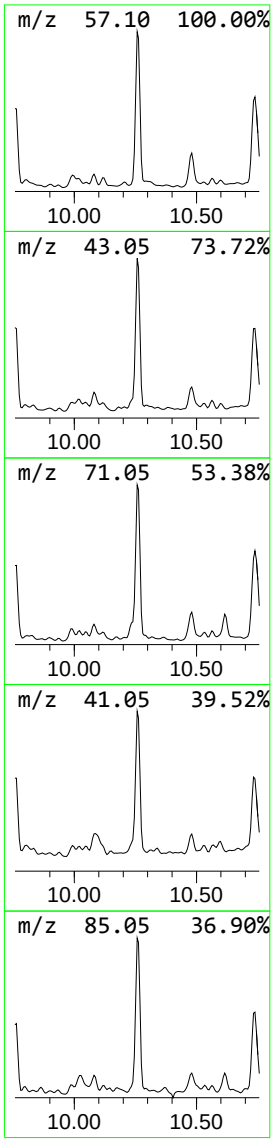
****

Peak Number 2 Dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.257	4.54 ng	162774	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Dodecane	170	C12H26	000112-40-3	76
3	Tetradecane, 6,9-dimethyl-	226	C16H34	055045-13-1	74
4	Undecane	156	C11H24	001120-21-4	70
5	Nonadecane	268	C19H40	000629-92-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

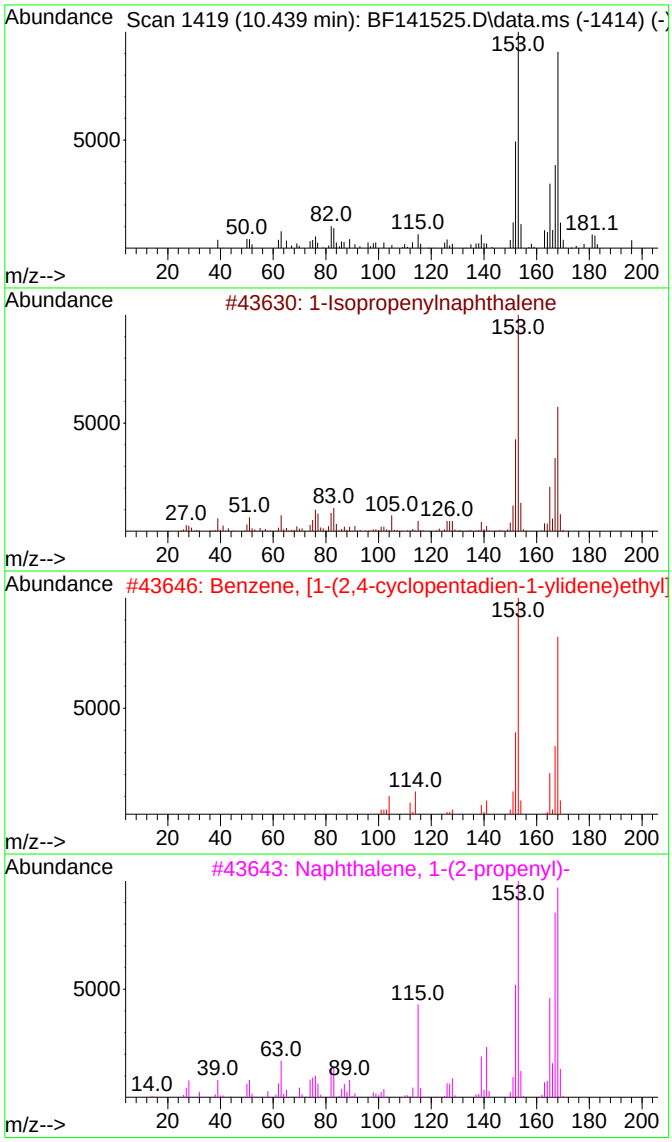
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

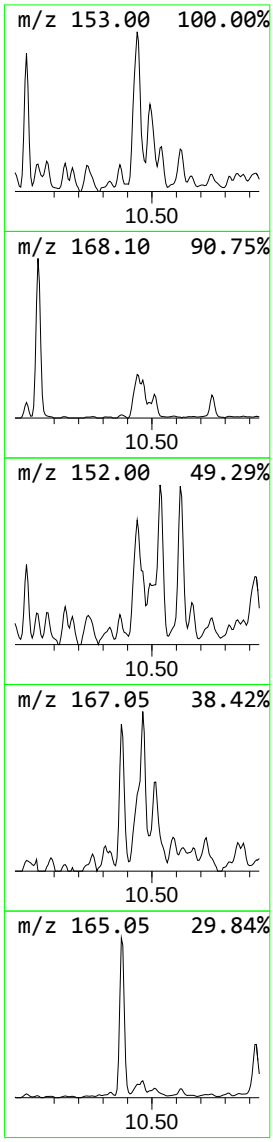
****

Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.439	2.07 ng	74219	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	4-Methoxy-2-methyl-1-(methylthio...	168	C9H12OS	022583-04-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

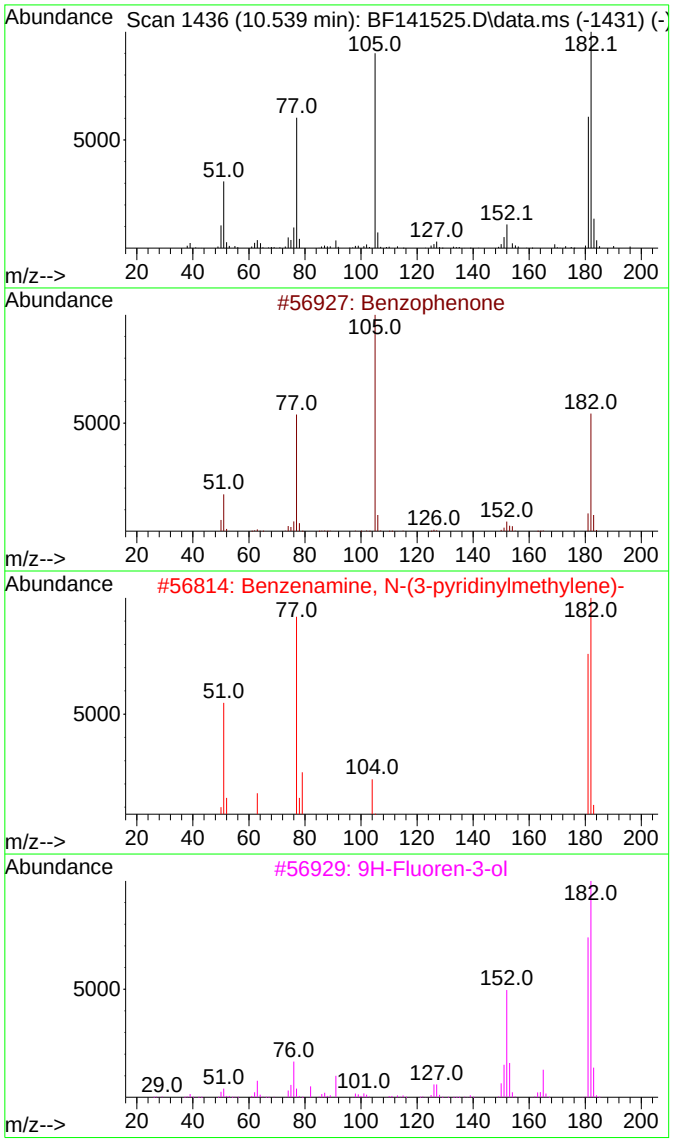
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

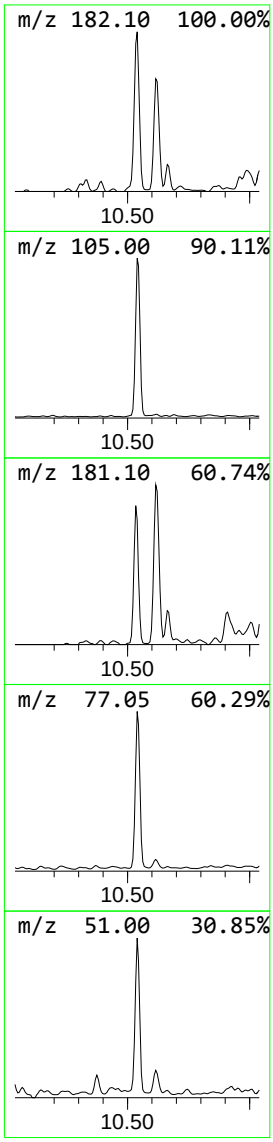
****

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	6.16 ng	220919	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	87
2	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	64
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	52
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	50
5	Azobenzene	182	C12H10N2	000103-33-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

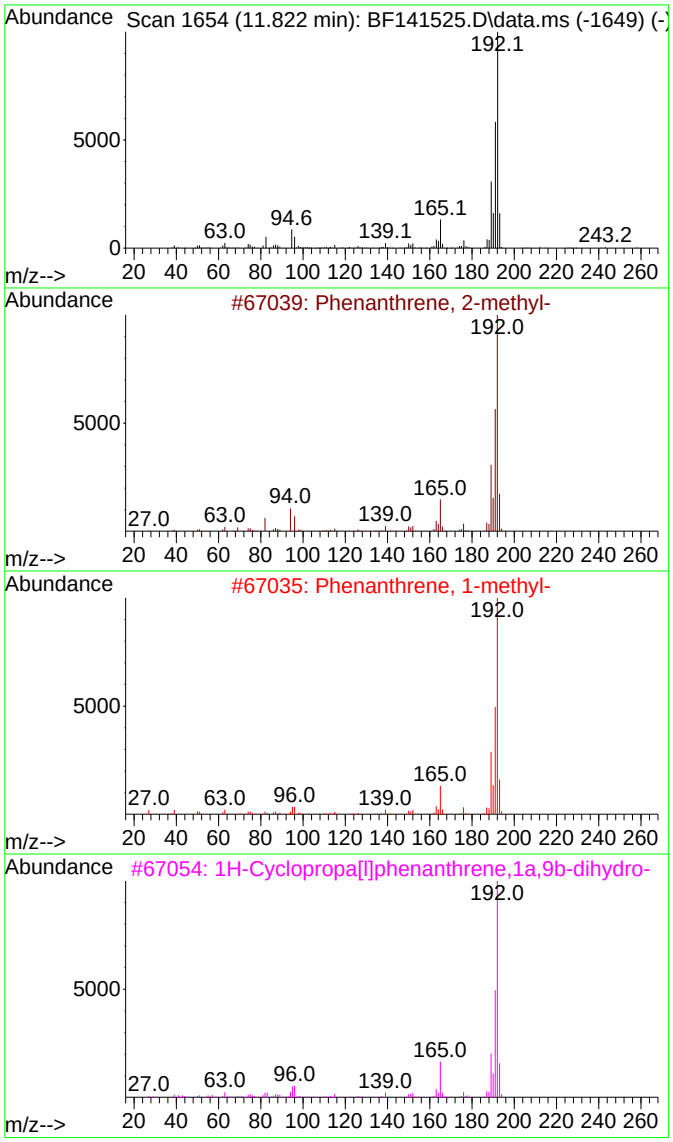
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

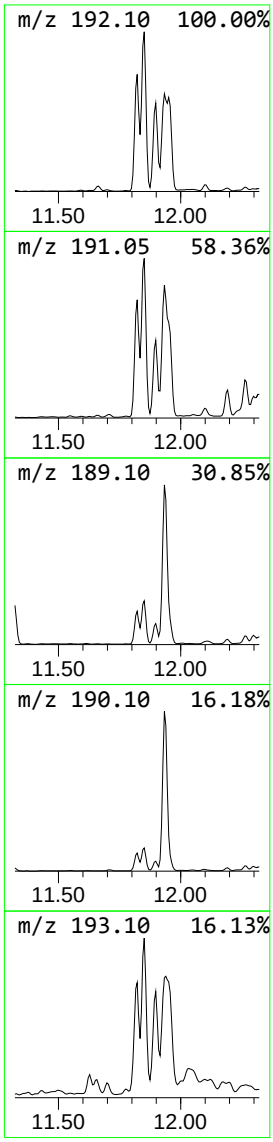
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	2.18 ng	327962	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

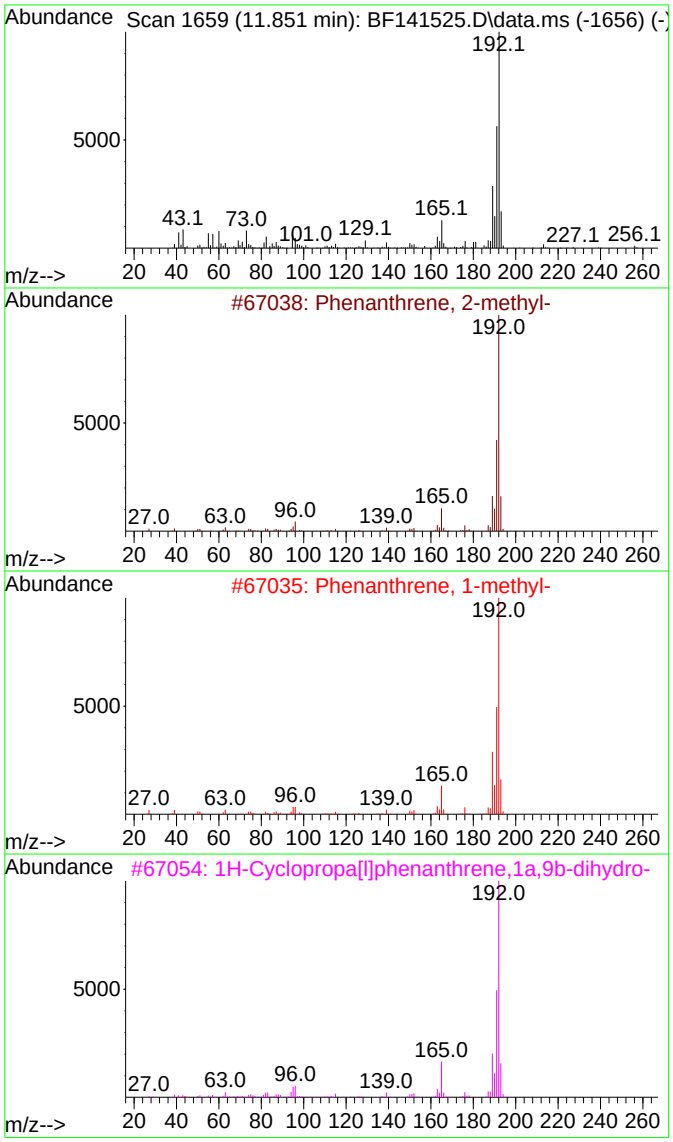
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

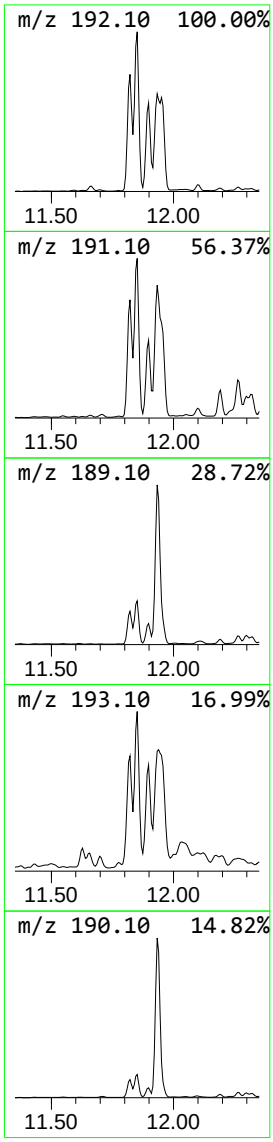
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	3.24 ng	488330	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Sample Results: **BF141525.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

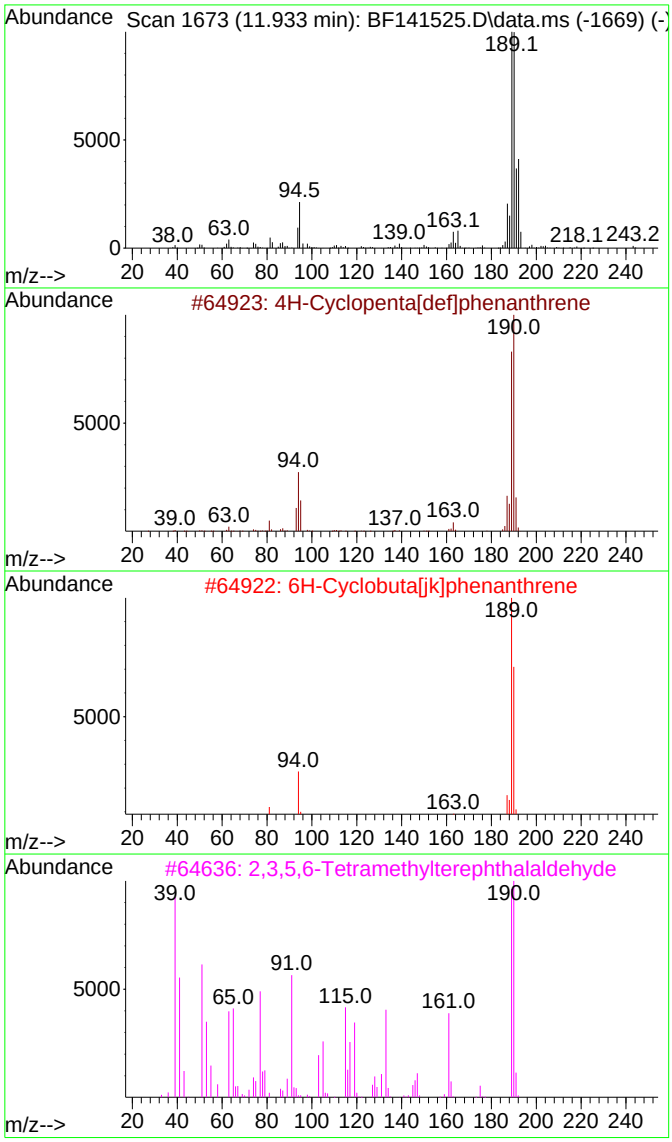
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

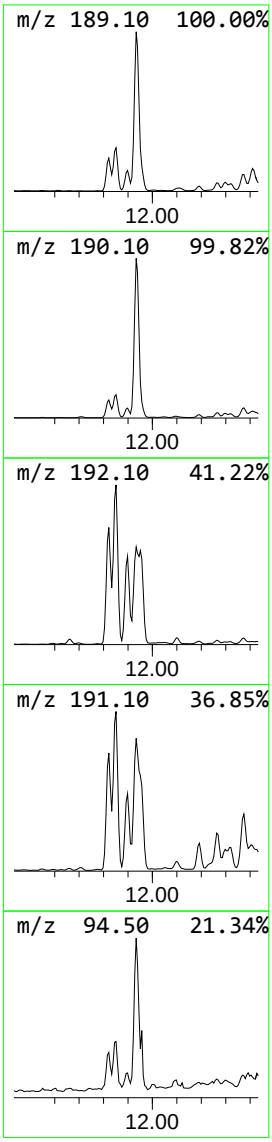
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	5.81 ng	875543	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

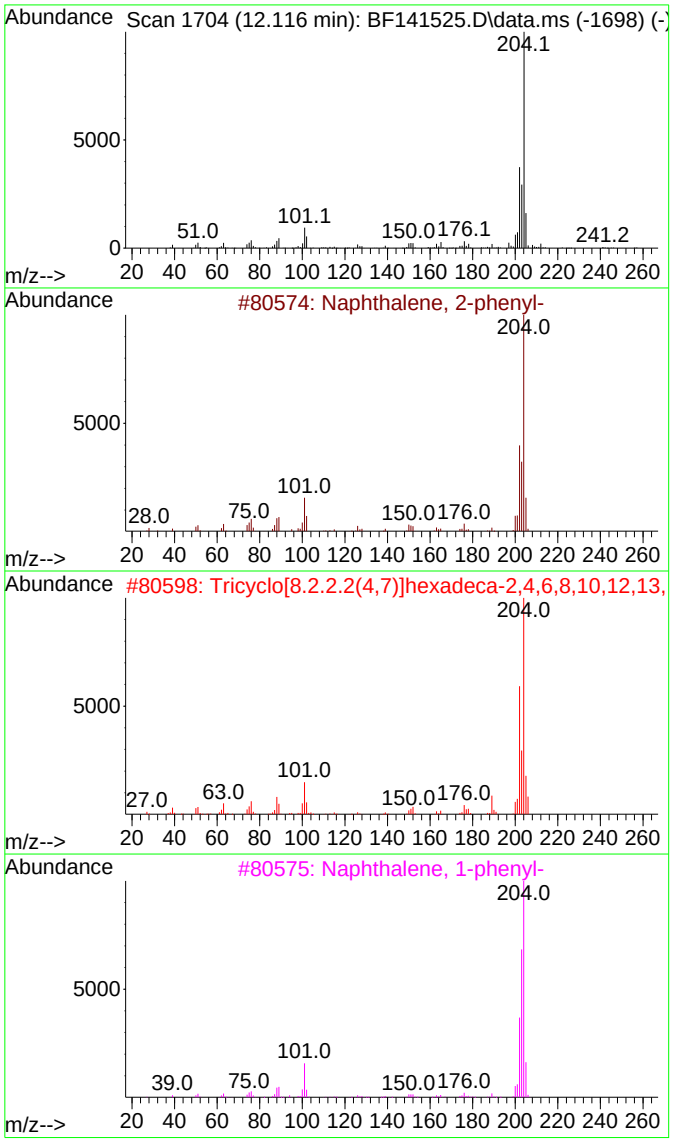
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

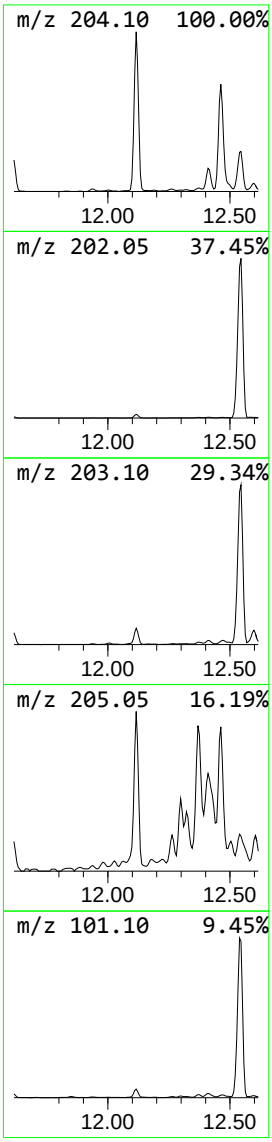
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	2.16 ng	325396	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	58





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Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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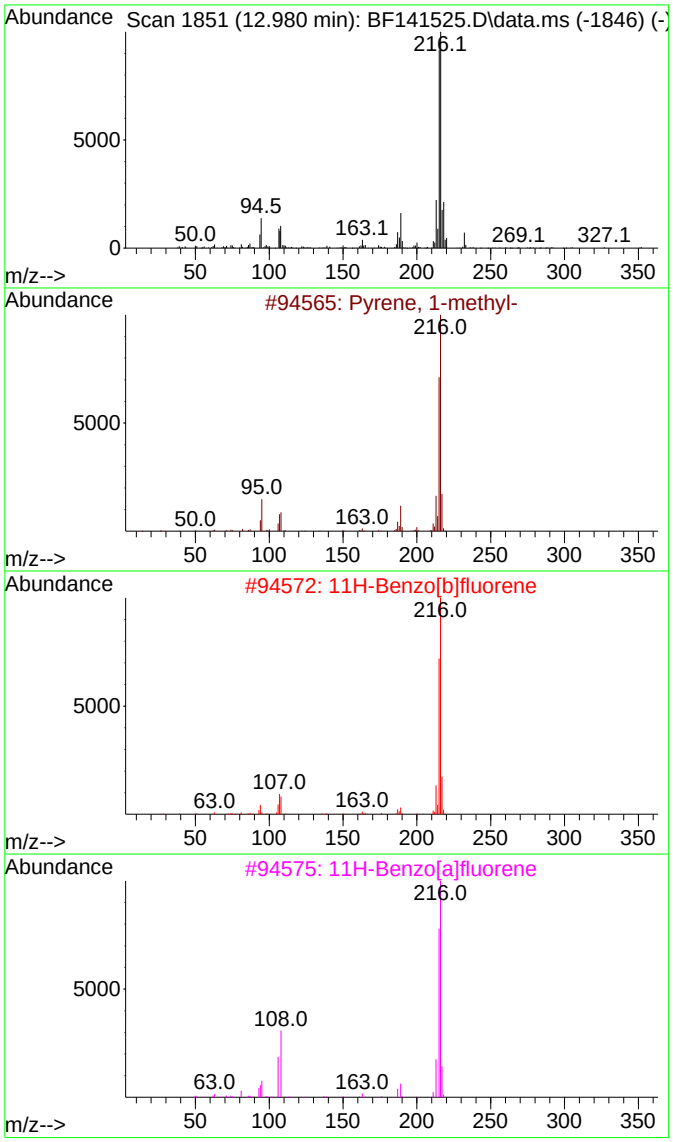
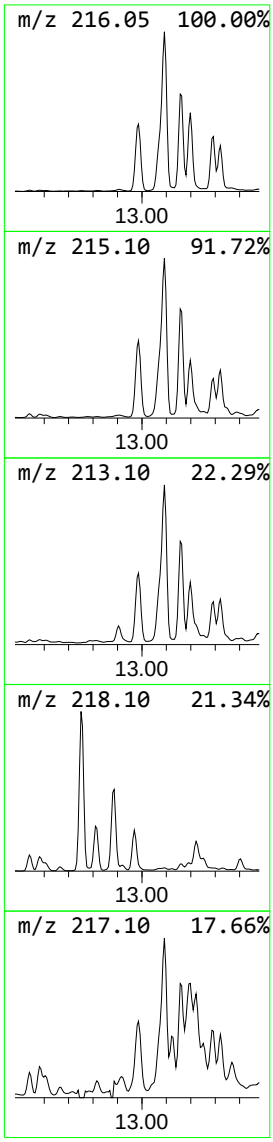
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.980	3.48 ng	438310	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Acq On : 07 Feb 2025 23:00
Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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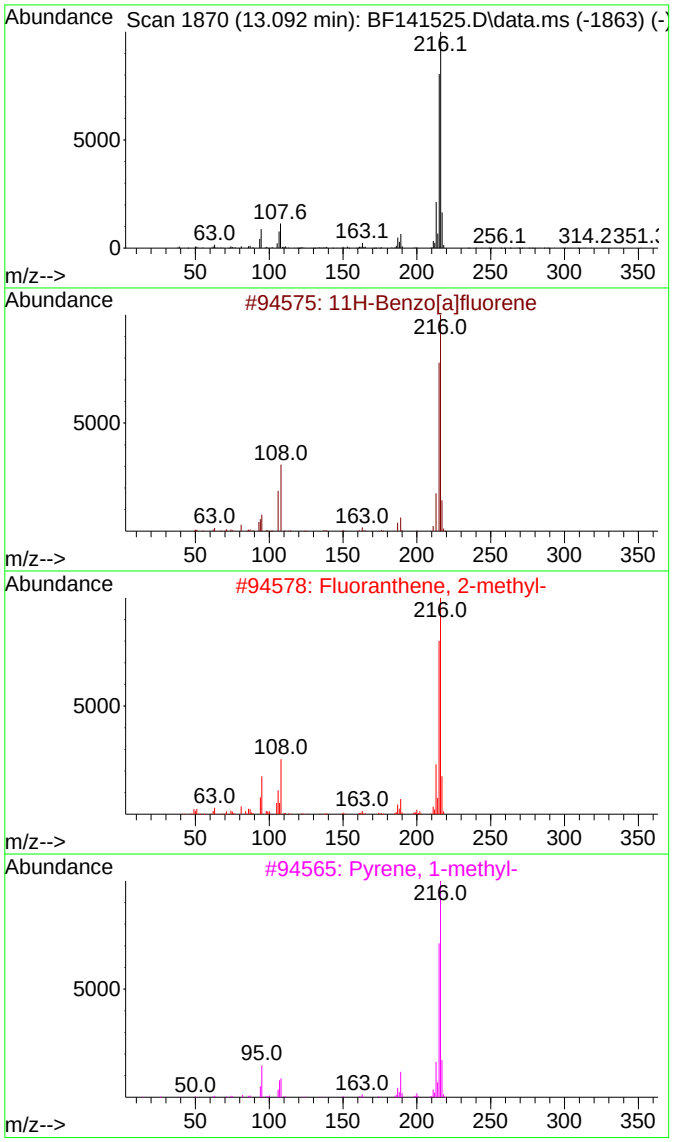
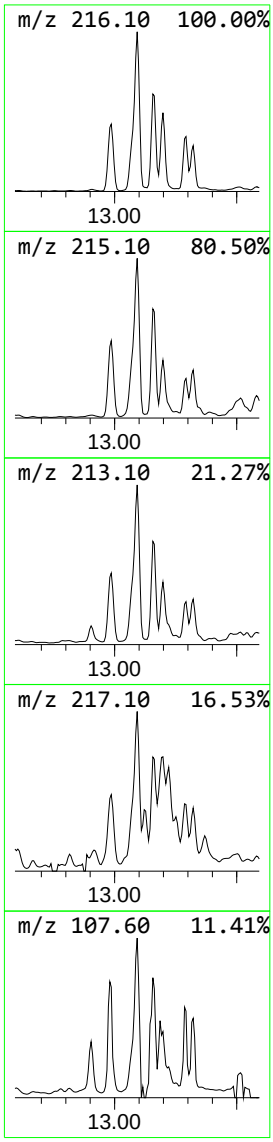
Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	5.14 ng	647306	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Acq On : 07 Feb 2025 23:00
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Sample : Q1241-15 2X
Misc :
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Instrument :
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ClientSampleId :
JPP-5.4-013025

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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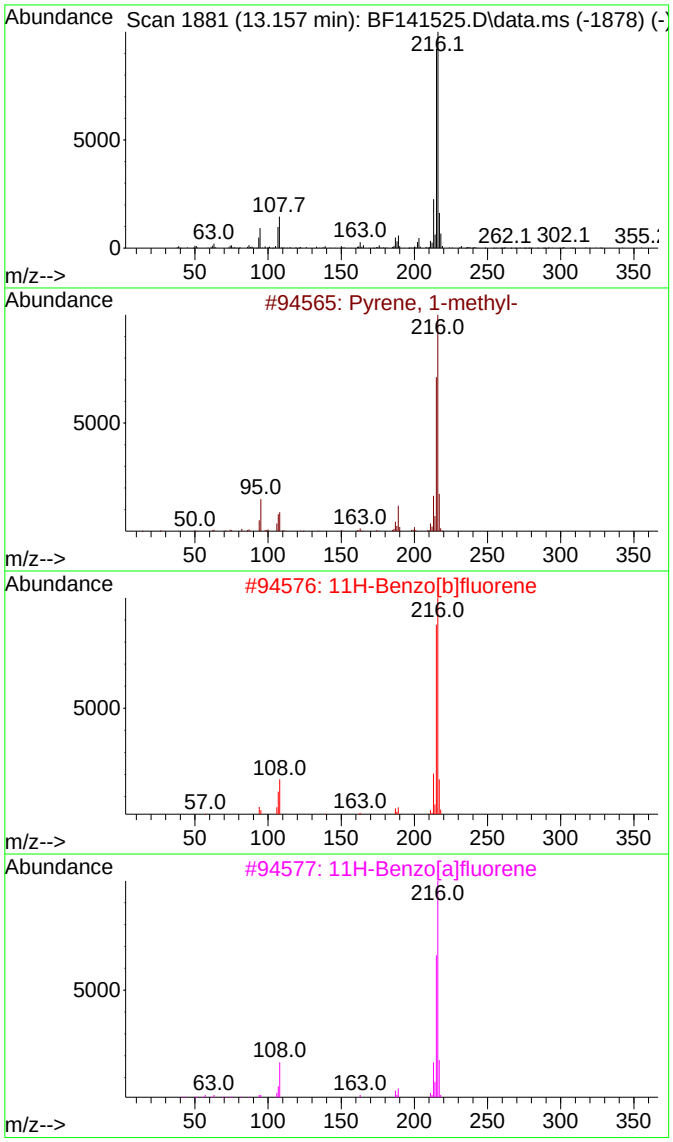
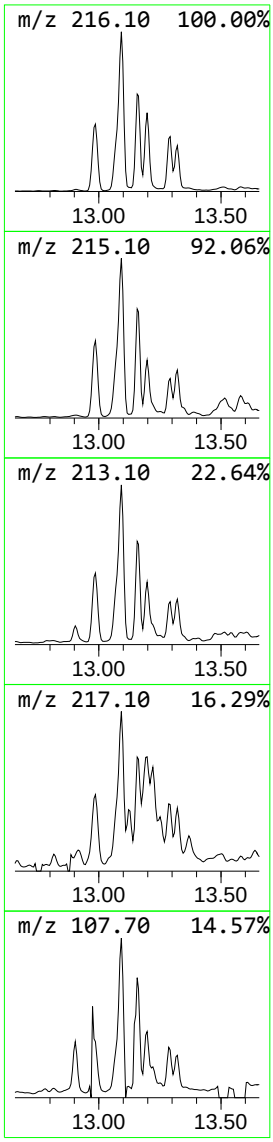
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.157	2.42 ng	305067	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





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Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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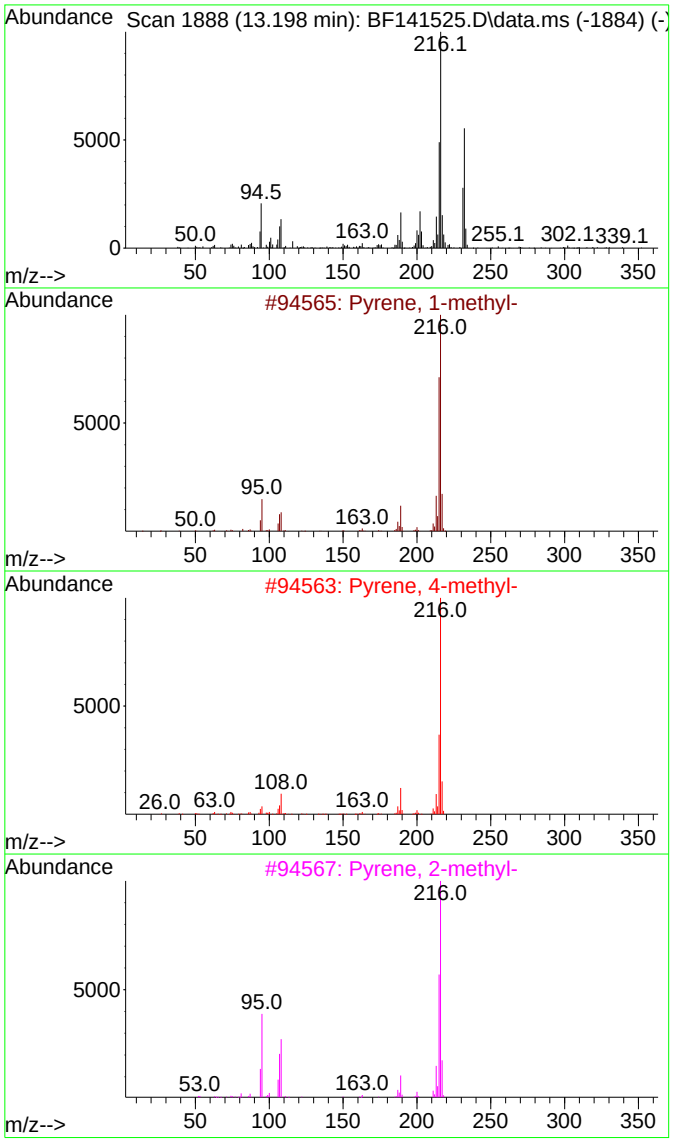
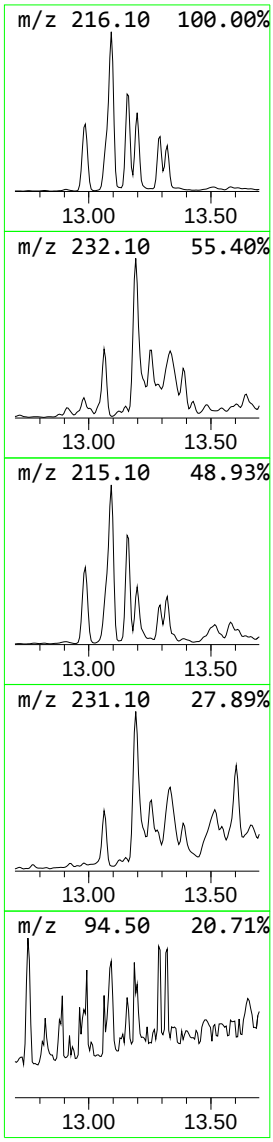
Peak Number 12 Pyrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	3.90 ng	490920	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55





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Acq On : 07 Feb 2025 23:00
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Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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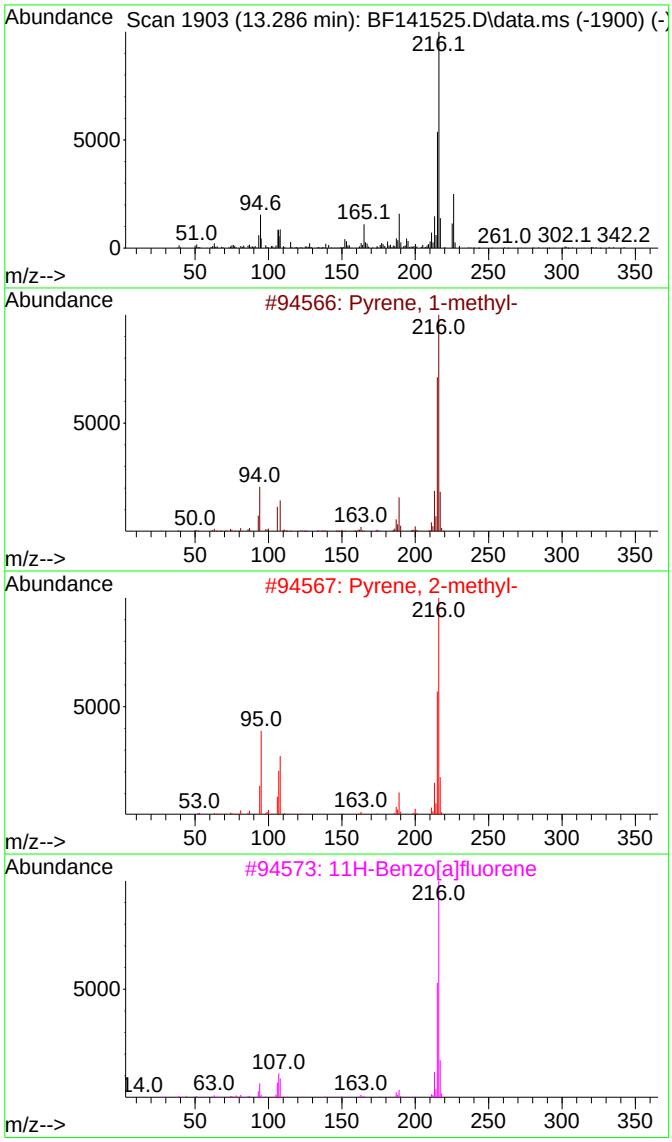
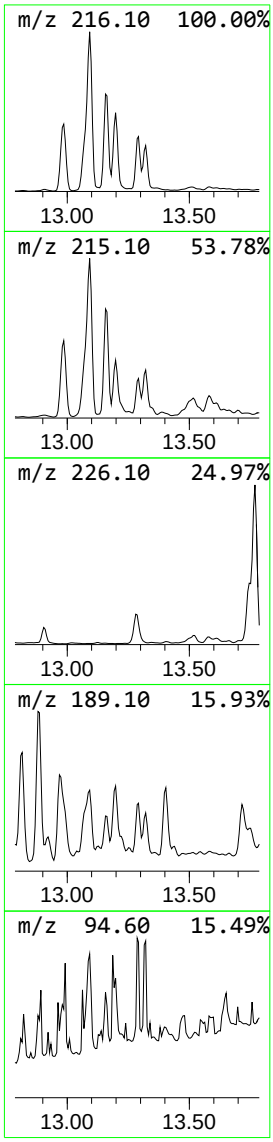
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	2.22 ng	279641	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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Sample : Q1241-15 2X
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.4-013025

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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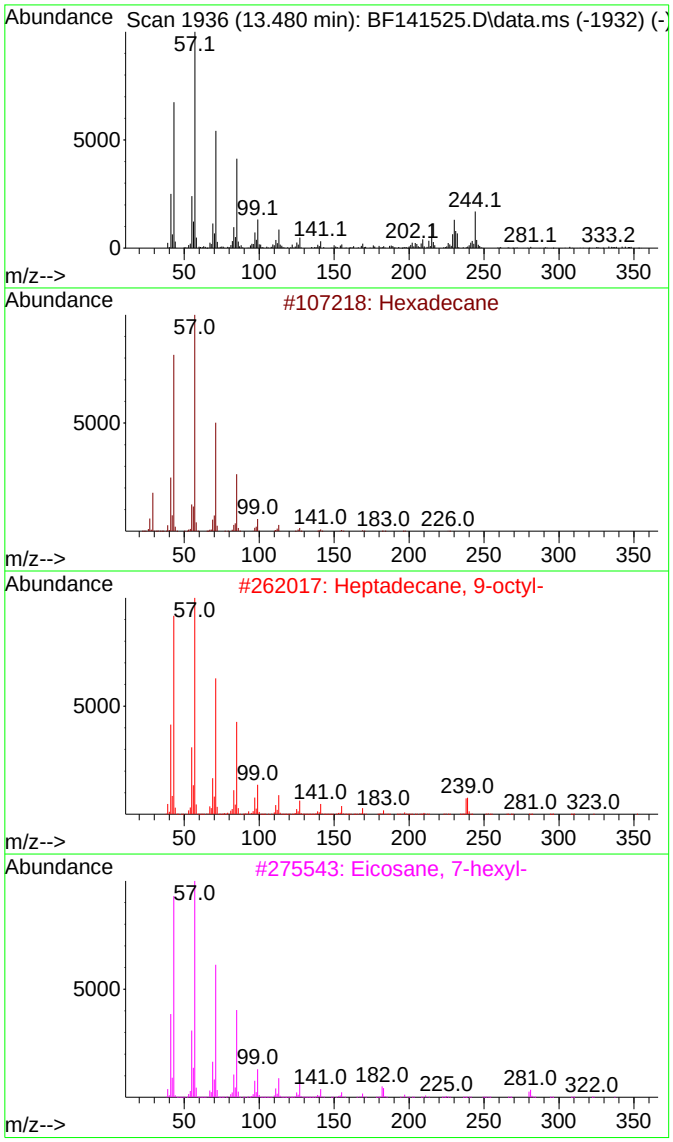
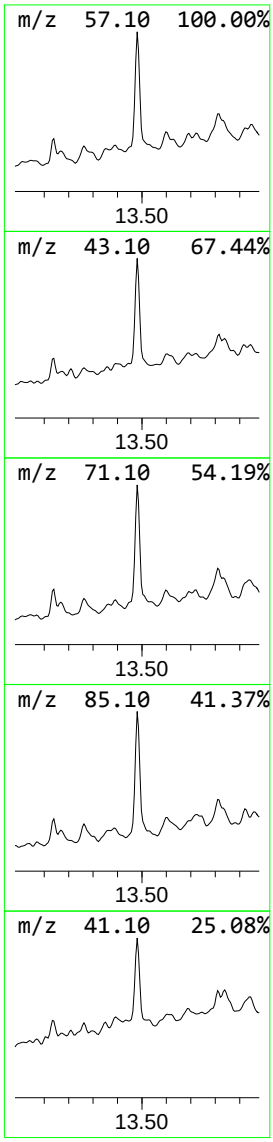
Peak Number 14 Heptadecane, 9-octyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.480	2.35 ng	296779	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	70
4	Tetracosane	338	C24H50	000646-31-1	70
5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	62





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Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

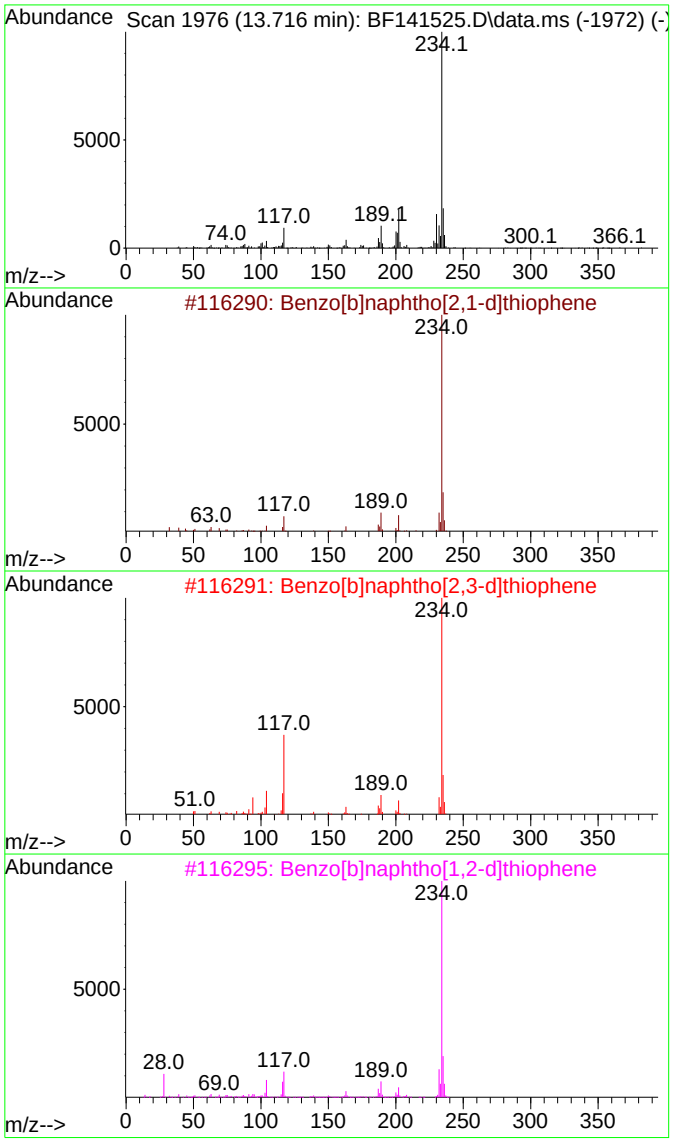
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

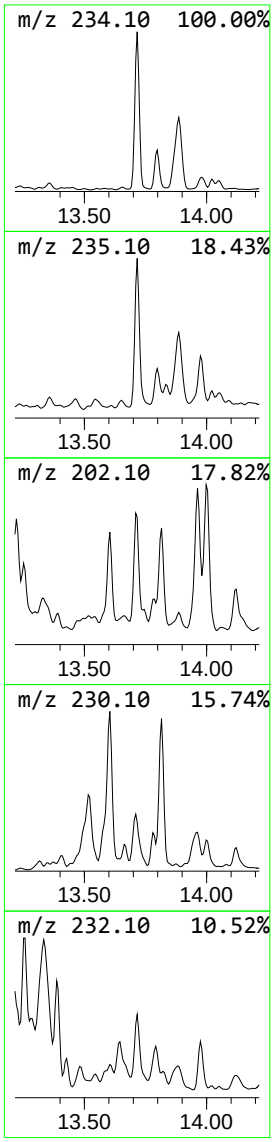
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	2.02 ng	253989	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76
4	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	53
5	Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	50





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Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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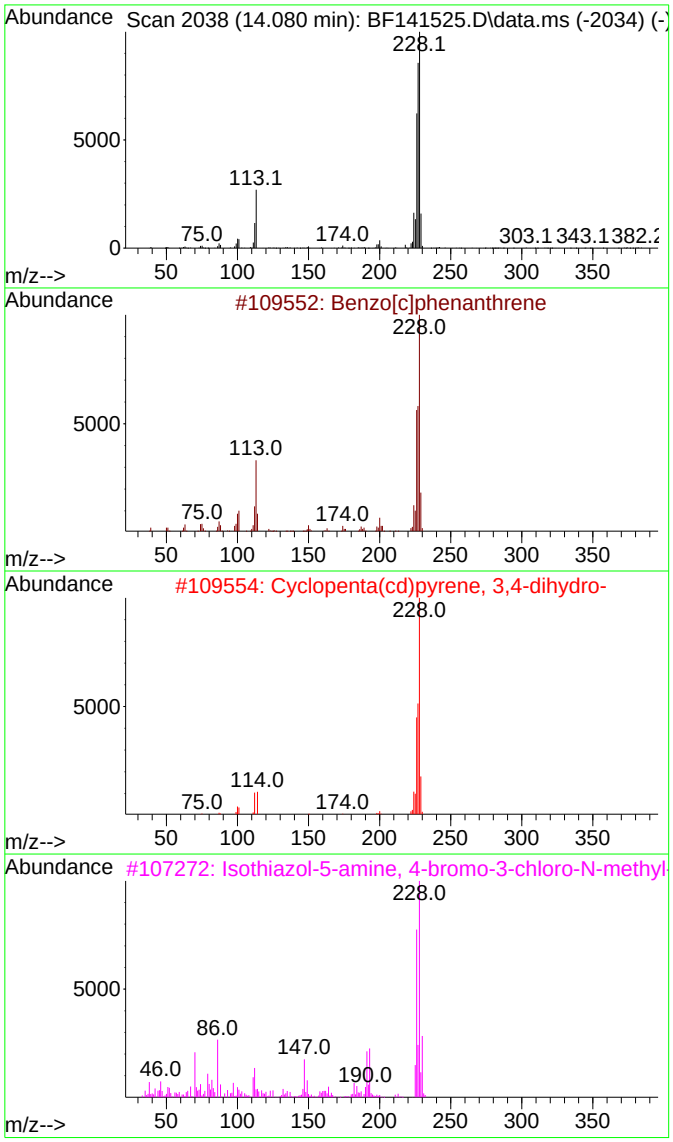
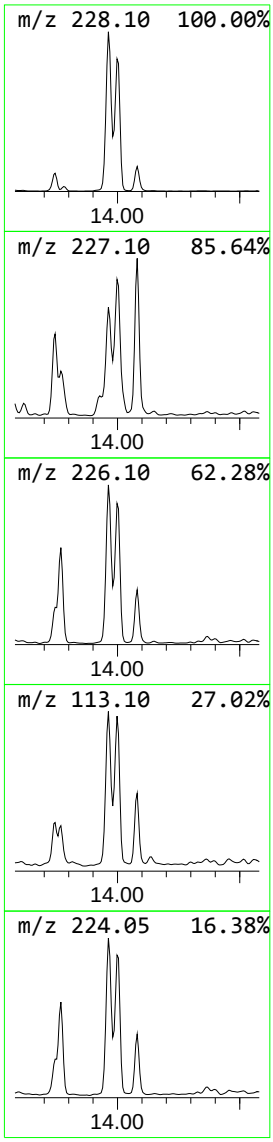
Peak Number 16 Benzo[c]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.080	2.50 ng	314625	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	68
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Benz[a]anthracene	228	C18H12	000056-55-3	43





Sample Results: **BF141525.D**

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Operator : RC/JU
Sample : Q1241-15 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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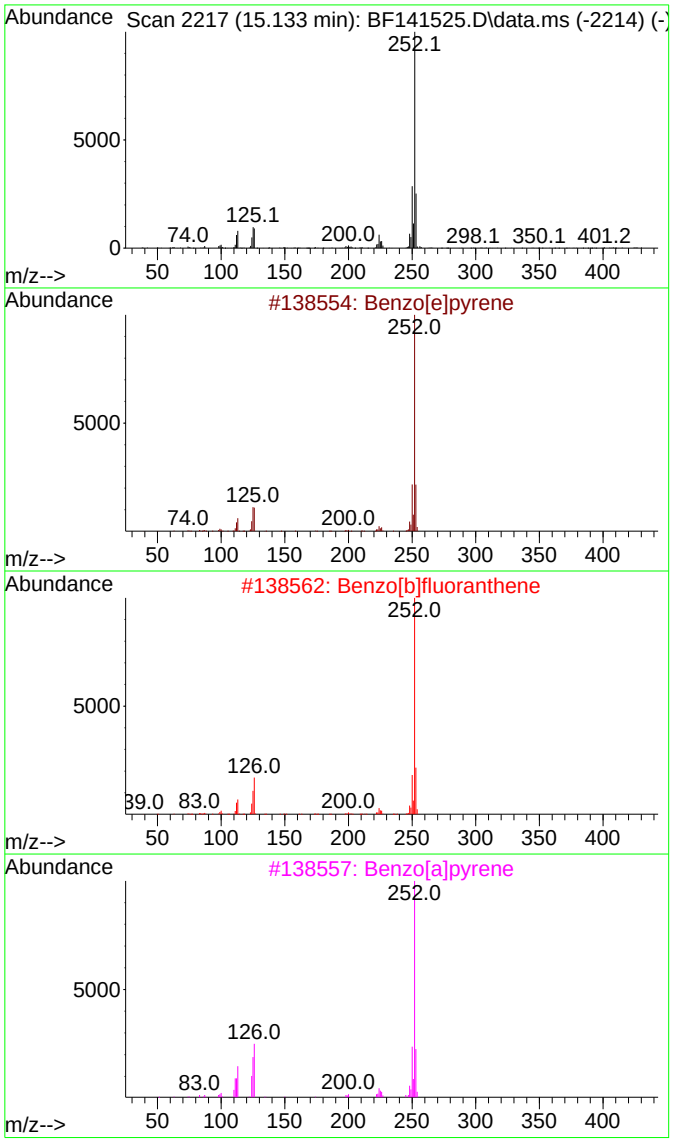
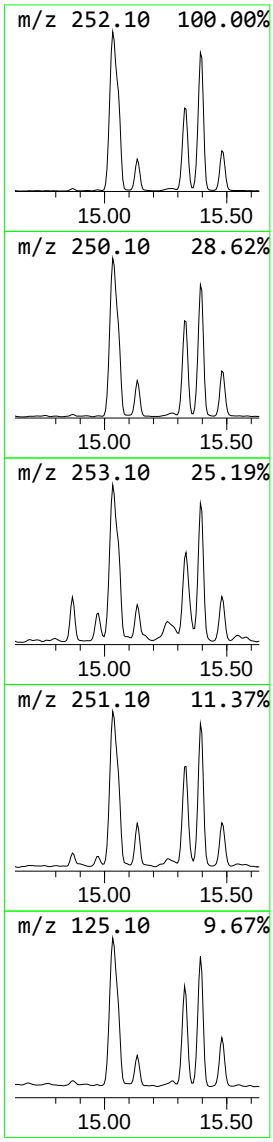
Peak Number 17 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.133	20.12 ng	217292	Perylene-d12	15.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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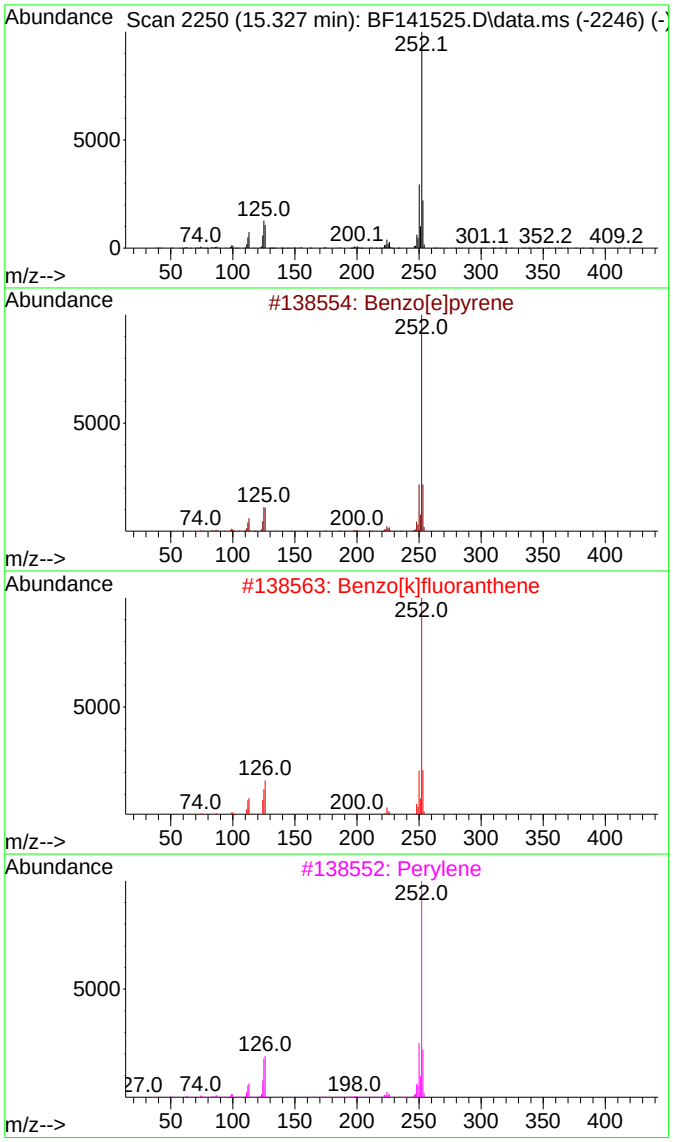
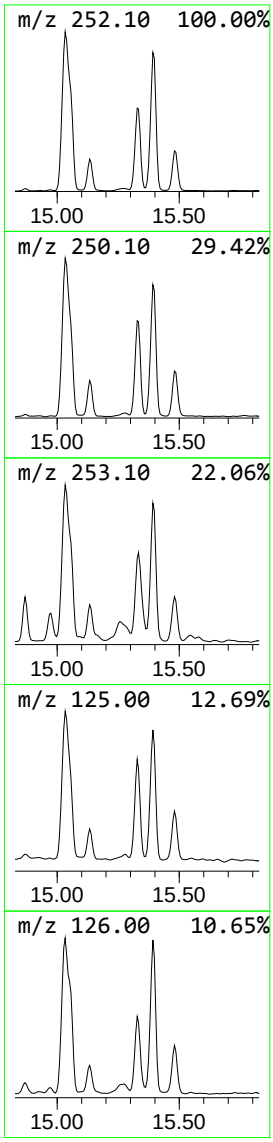
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.327	74.93 ng	809175	Perylene-d12	15.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexadecane	9.228	2.1	ng	76622	3	9.828	716900	20.0
Dodecane	10.257	4.5	ng	162774	3	9.828	716900	20.0
1-Isopropenylna...	10.439	2.1	ng	74219	3	9.828	716900	20.0
Benzophenone	10.539	6.2	ng	220919	3	9.828	716900	20.0
Phenanthrene, 2...	11.822	2.2	ng	327962	4	11.322	3015150	20.0
Phenanthrene, 1...	11.851	3.2	ng	488330	4	11.322	3015150	20.0
4H-Cyclopenta[d...	11.933	5.8	ng	875543	4	11.322	3015150	20.0
Naphthalene, 2-...	12.116	2.2	ng	325396	4	11.322	3015150	20.0
Pyrene, 1-methyl-	12.980	3.5	ng	438310	5	13.974	2520510	20.0
11H-Benzo[a]flu...	13.092	5.1	ng	647306	5	13.974	2520510	20.0
11H-Benzo[b]flu...	13.157	2.4	ng	305067	5	13.974	2520510	20.0
Pyrene, 4-methyl-	13.198	3.9	ng	490920	5	13.974	2520510	20.0
Pyrene, 2-methyl-	13.286	2.2	ng	279641	5	13.974	2520510	20.0
Heptadecane, 9-...	13.480	2.4	ng	296779	5	13.974	2520510	20.0
Benzo[b]naphtho...	13.716	2.0	ng	253989	5	13.974	2520510	20.0
Benzo[c]phenant...	14.080	2.5	ng	314625	5	13.974	2520510	20.0
Benzo[e]pyrene	15.133	20.1	ng	217292	6	15.451	215969	20.0
Perylene	15.327	74.9	ng	809175	6	15.451	215969	20.0

Raw Data: **BF141549.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025DL	SDG No.:	Q1241
Lab Sample ID:	Q1241-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141549.D	10	01/31/25 10:20	02/10/25 21:38	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	3800	UD	2100	3800	ug/Kg
108-95-2	Phenol	2000	UD	960	2000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000	UD	970	2000	ug/Kg
95-57-8	2-Chlorophenol	2000	UD	960	2000	ug/Kg
95-48-7	2-Methylphenol	2000	UD	930	2000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000	UD	1000	2000	ug/Kg
98-86-2	Acetophenone	2000	UDQ	1000	2000	ug/Kg
65794-96-9	3+4-Methylphenols	3800	UD	920	3800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	920	UD	460	920	ug/Kg
67-72-1	Hexachloroethane	2000	UD	960	2000	ug/Kg
98-95-3	Nitrobenzene	2000	UD	1000	2000	ug/Kg
78-59-1	Isophorone	2000	UD	980	2000	ug/Kg
88-75-5	2-Nitrophenol	2000	UD	1100	2000	ug/Kg
105-67-9	2,4-Dimethylphenol	2000	UD	1100	2000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000	UD	990	2000	ug/Kg
120-83-2	2,4-Dichlorophenol	2000	UD	870	2000	ug/Kg
91-20-3	Naphthalene	2000	UD	950	2000	ug/Kg
106-47-8	4-Chloroaniline	2000	UD	950	2000	ug/Kg
87-68-3	Hexachlorobutadiene	2000	UD	960	2000	ug/Kg
105-60-2	Caprolactam	3800	UD	1000	3800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000	UD	890	2000	ug/Kg
91-57-6	2-Methylnaphthalene	2000	UD	950	2000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3800	UDQ	1800	3800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000	UD	820	2000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000	UD	850	2000	ug/Kg
92-52-4	1,1-Biphenyl	2000	UD	1000	2000	ug/Kg
91-58-7	2-Chloronaphthalene	2000	UD	960	2000	ug/Kg
88-74-4	2-Nitroaniline	2000	UD	1100	2000	ug/Kg
131-11-3	Dimethylphthalate	2000	UD	940	2000	ug/Kg

Raw Data: **BF141549.D**

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025DL	SDG No.:	Q1241
Lab Sample ID:	Q1241-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141549.D	10	01/31/25 10:20	02/10/25 21:38	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2000	UD	1000	2000	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000	UD	960	2000	ug/Kg
99-09-2	3-Nitroaniline	2000	UD	1000	2000	ug/Kg
83-32-9	Acenaphthene	2000	UD	940	2000	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	UD	2800	3800	ug/Kg
100-02-7	4-Nitrophenol	3800	UD	1300	3800	ug/Kg
132-64-9	Dibenzofuran	2000	UD	970	2000	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000	UD	990	2000	ug/Kg
84-66-2	Diethylphthalate	2000	UD	920	2000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000	UD	990	2000	ug/Kg
86-73-7	Fluorene	2000	UD	990	2000	ug/Kg
100-01-6	4-Nitroaniline	2000	UD	1200	2000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3800	UD	1300	3800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000	UD	940	2000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000	UD	910	2000	ug/Kg
118-74-1	Hexachlorobenzene	2000	UD	980	2000	ug/Kg
1912-24-9	Atrazine	2000	UD	1100	2000	ug/Kg
87-86-5	Pentachlorophenol	3800	UD	890	3800	ug/Kg
85-01-8	Phenanthrene	9000	D	970	2000	ug/Kg
120-12-7	Anthracene	2900	D	970	2000	ug/Kg
86-74-8	Carbazole	2000	UD	930	2000	ug/Kg
84-74-2	Di-n-butylphthalate	2000	UD	970	2000	ug/Kg
206-44-0	Fluoranthene	17800	D	940	2000	ug/Kg
129-00-0	Pyrene	12900	D	960	2000	ug/Kg
85-68-7	Butylbenzylphthalate	2000	UD	1100	2000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3800	UD	1100	3800	ug/Kg
56-55-3	Benzo(a)anthracene	8900	D	930	2000	ug/Kg
218-01-9	Chrysene	7600	D	920	2000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000	UD	1000	2000	ug/Kg
117-84-0	Di-n-octyl phthalate	3800	UD	1300	3800	ug/Kg
205-99-2	Benzo(b)fluoranthene	10700	D	940	2000	ug/Kg

Raw Data: **BF141549.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025DL	SDG No.:	Q1241
Lab Sample ID:	Q1241-15DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141549.D	10	01/31/25 10:20	02/10/25 21:38	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	4300	D	950	2000	ug/Kg
50-32-8	Benzo(a)pyrene	9500	D	1100	2000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3900	D	900	2000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100	JD	940	2000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4200	D	920	2000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000	UD	1000	2000	ug/Kg
123-91-1	1,4-Dioxane	2000	UD	1300	2000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000	UD	860	2000	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	122		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	124		15 - 107	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.8		18 - 107	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.2		20 - 109	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.3		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	64.5		10 - 105	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	77700	6.787			
1146-65-2	Naphthalene-d8	311000	8.069			
15067-26-2	Acenaphthene-d10	156000	9.822			
1517-22-2	Phenanthrene-d10	213000	11.31			
1719-03-5	Chrysene-d12	190000	13.951			
1520-96-3	Perylene-d12	158000	15.409			

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

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

Sample Results: **BF141549.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141549.D
Acq On : 10 Feb 2025 21:38
Operator : RC/JU
Sample : Q1241-15DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

Quant Time: Feb 11 00:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	77702	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	310551	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	156153	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	212674	20.000	ng	0.00
76) Chrysene-d12	13.951	240	189599	20.000	ng	-0.01
86) Perylene-d12	15.409	264	157979	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	60386	12.184	ng	0.00
7) Phenol-d6	6.422	99	77872	12.431	ng	-0.02
23) Nitrobenzene-d5	7.345	82	49873	8.376	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	13545	8.635	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	93422	9.217	ng	-0.01
79) Terphenyl-d14	12.892	244	72393	6.446	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	273123	23.330	ng	99
72) Anthracene	11.380	178	89005	7.563	ng	99
75) Fluoranthene	12.521	202	573178	46.181	ng	100
78) Pyrene	12.751	202	543660	33.684	ng	99
81) Benzo(a)anthracene	13.939	228	292761	23.229	ng	98
83) Chrysene	13.974	228	230725	19.826	ng	97
87) Indeno(1,2,3-cd)pyrene	16.839	276	98091	10.049	ng	97
88) Benzo(b)fluoranthene	14.992	252	294816m	27.793	ng	
89) Benzo(k)fluoranthene	15.004	252	102102m	11.272	ng	
90) Benzo(a)pyrene	15.345	252	212861	24.800	ng	96
91) Dibenzo(a,h)anthracene	16.851	278	22279m	2.817	ng	
92) Benzo(g,h,i)perylene	17.274	276	90272	10.906	ng	98

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

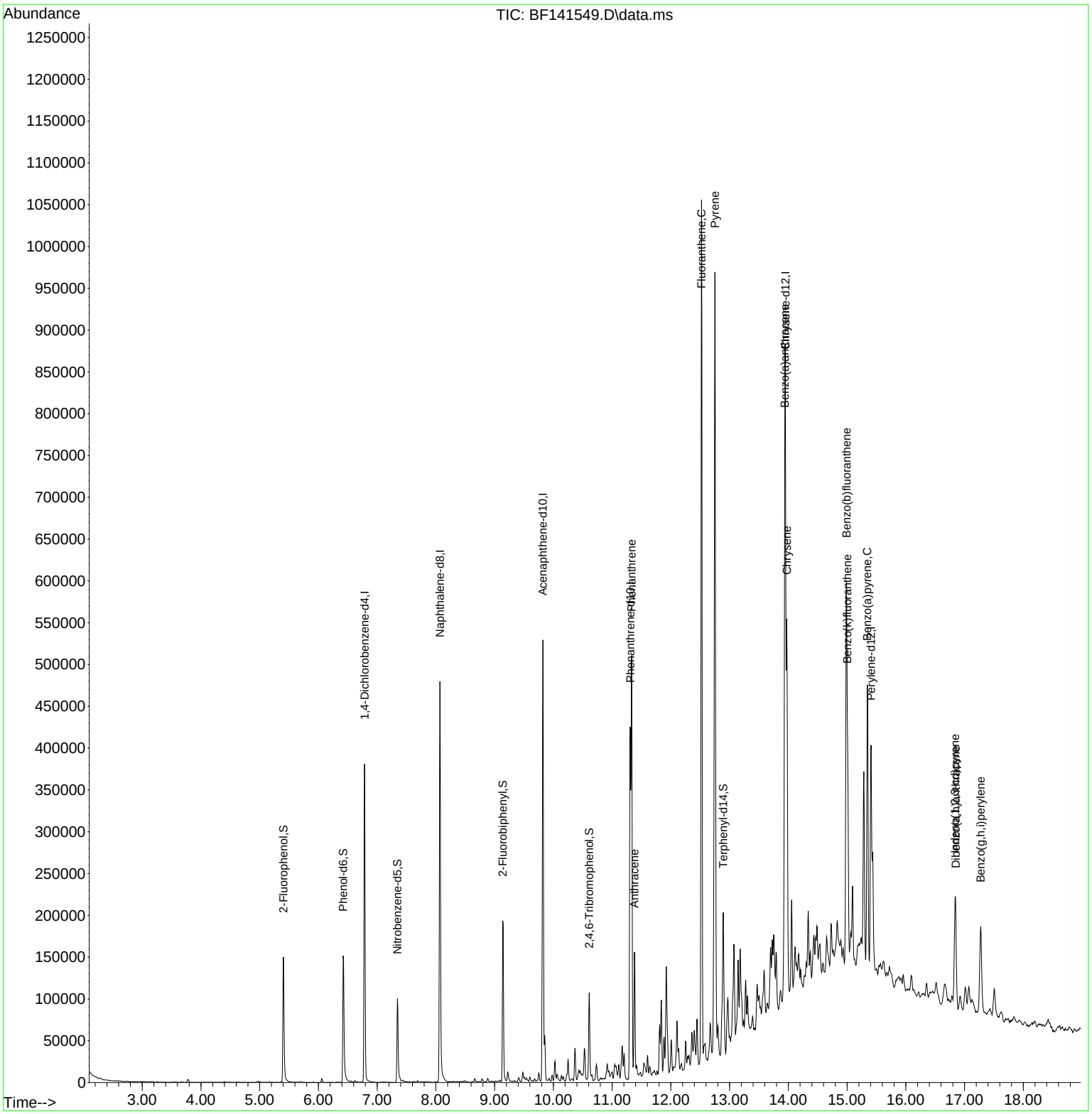
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141549.D
Acq On : 10 Feb 2025 21:38
Operator : RC/JU
Sample : Q1241-15DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

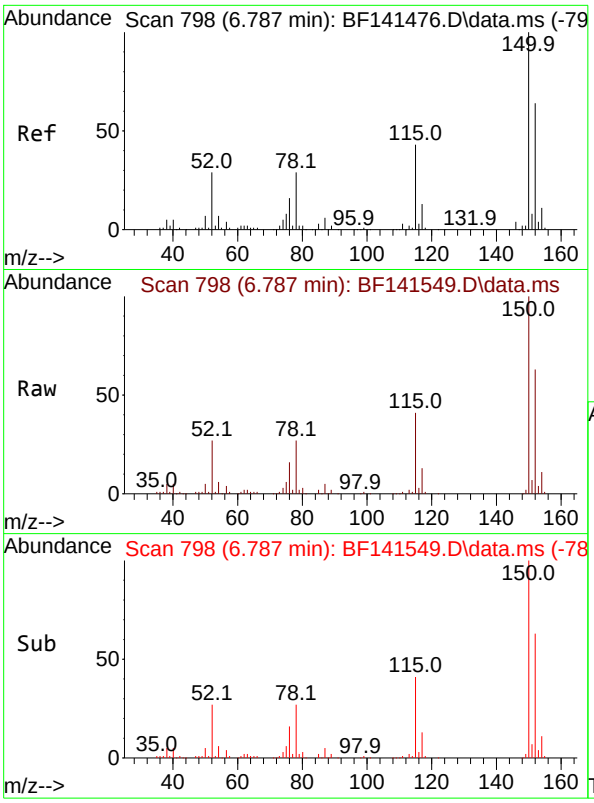
Quant Time: Feb 11 00:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

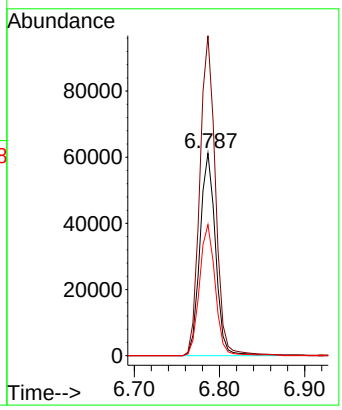
Tgt Ion:152 Resp: 7770

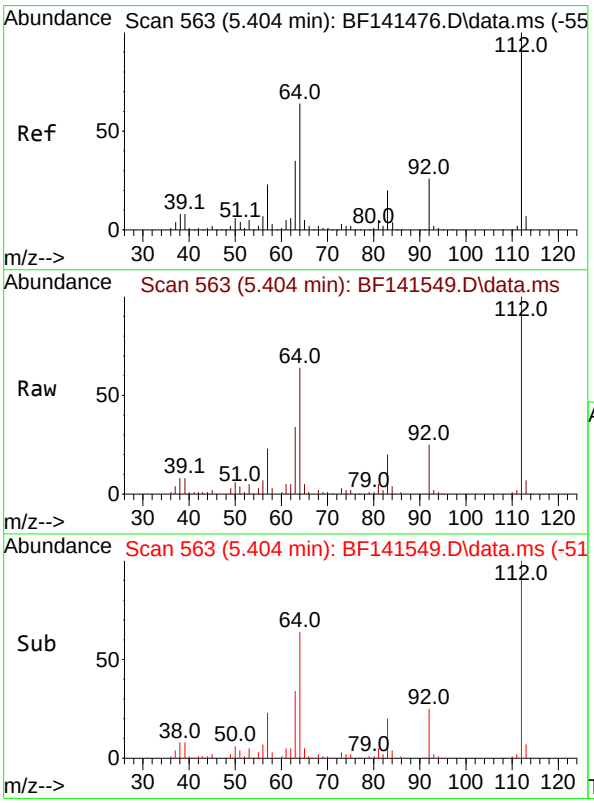
Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.0	187.4
115	64.7	53.6	80.4

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

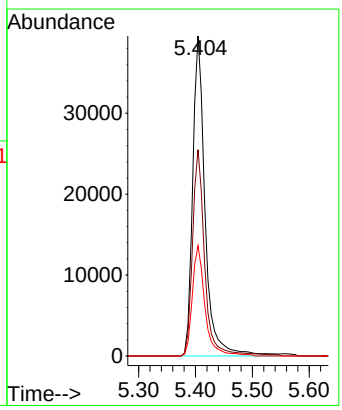


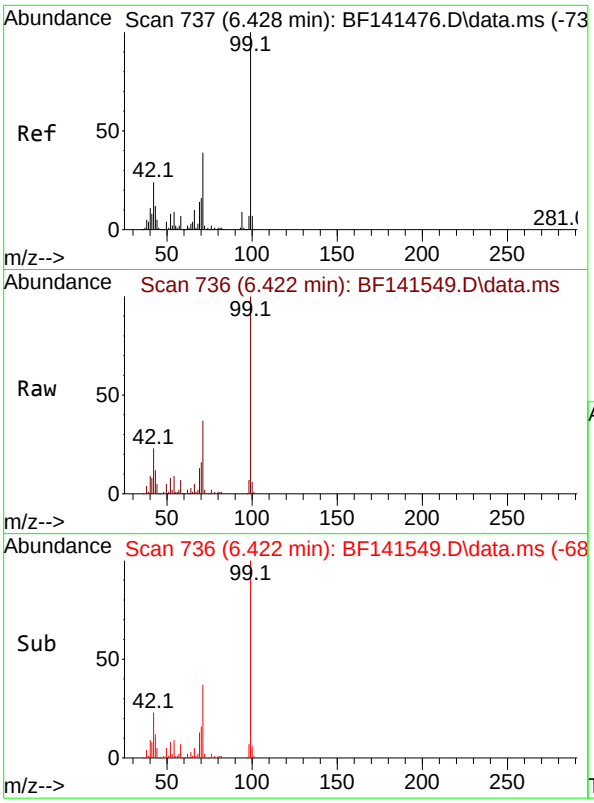


#5
2-Fluorophenol
Concen: 12.184 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:112 Resp: 60386

Ion	Ratio	Lower	Upper
112	100		
64	64.5	51.1	76.7
63	34.4	28.4	42.6

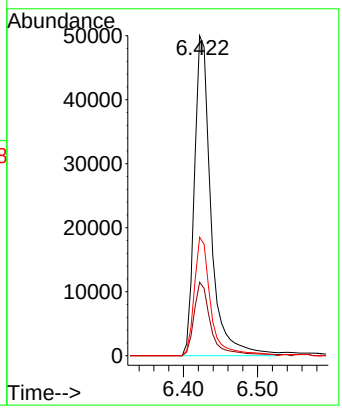




#7
Phenol-d6
Concen: 12.431 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion: 99 Resp: 7787

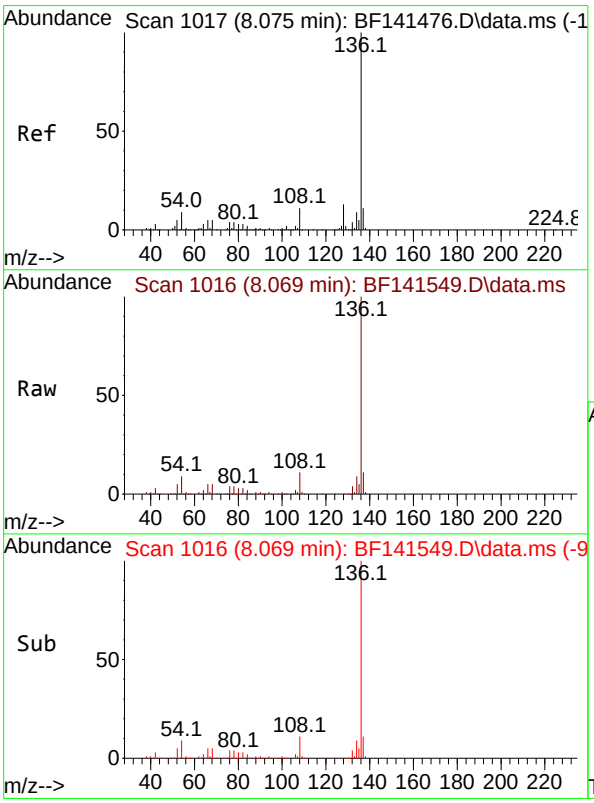
Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.1	28.7
71	37.0	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
APPROVED

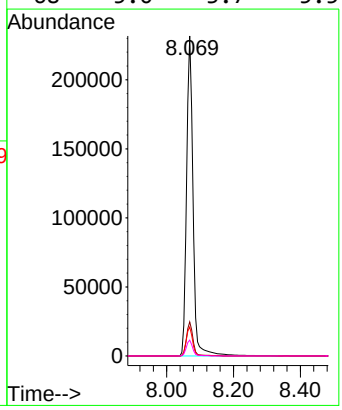
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

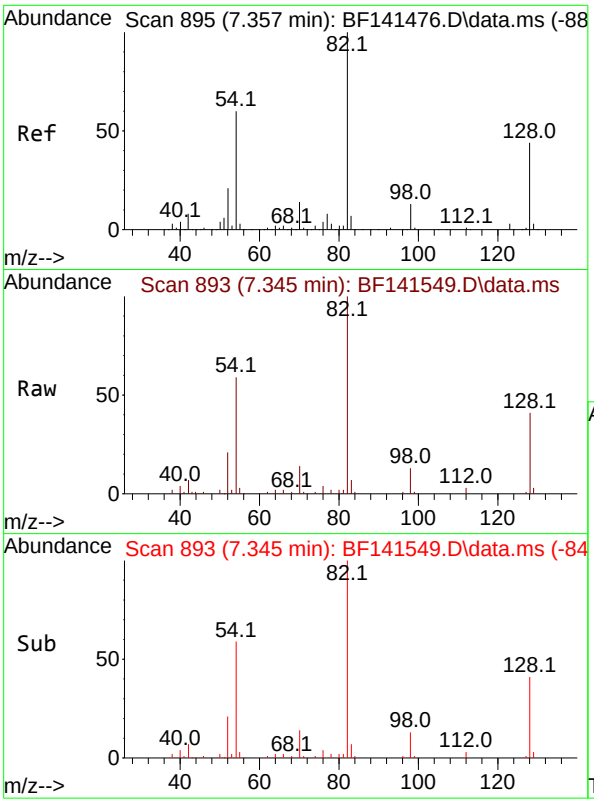


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:136 Resp: 310551

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.1	7.2	10.8
68	5.0	3.7	5.5

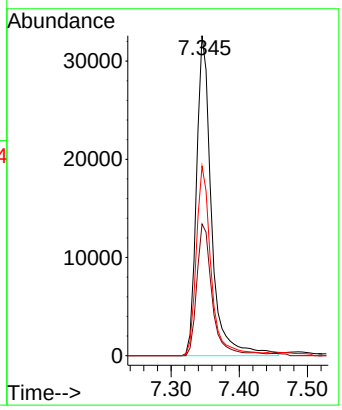




#23
Nitrobenzene-d5
Concen: 8.376 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion: 82 Resp: 4987

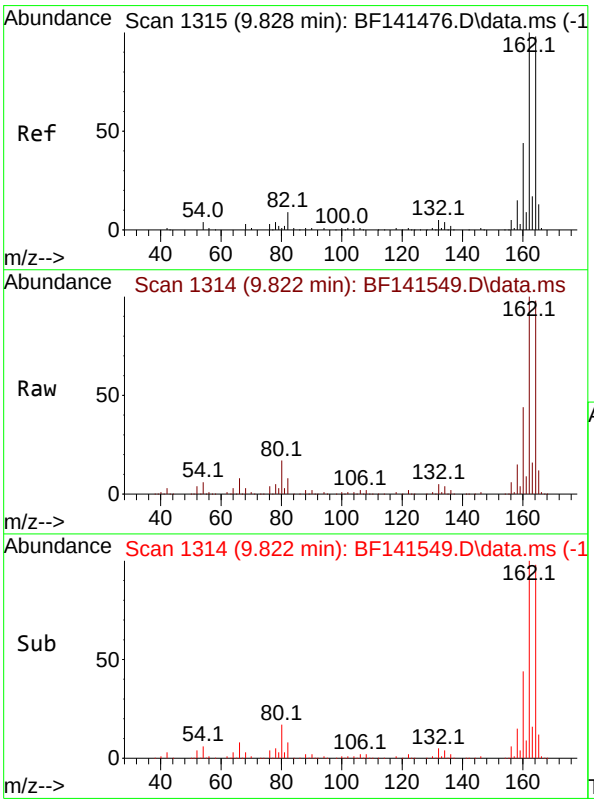
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.8	52.2
54	59.3	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
APPROVED

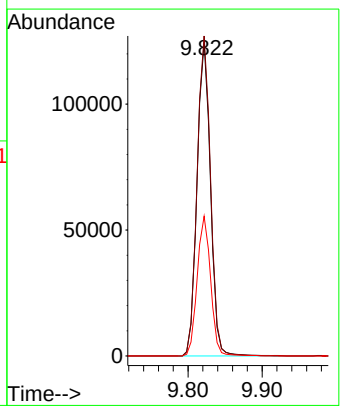
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

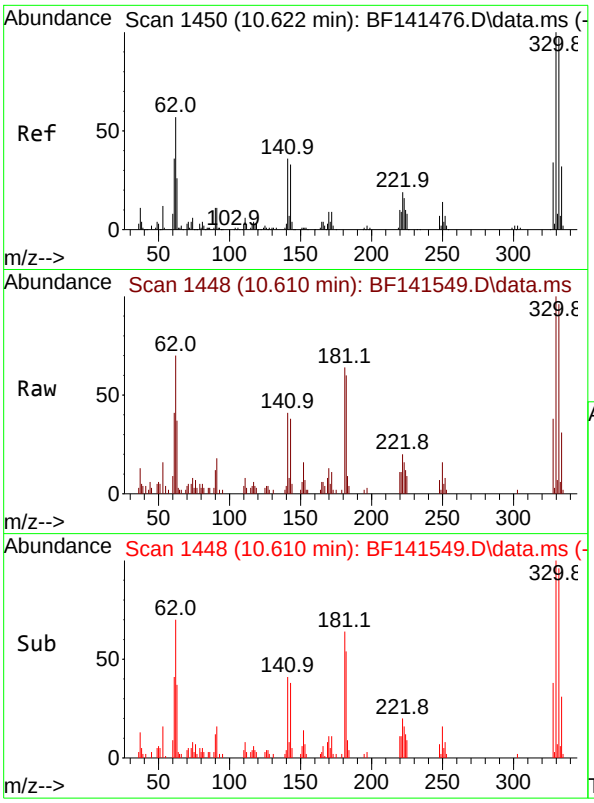


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:164 Resp: 156153

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.3	121.9
160	44.5	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 8.635 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

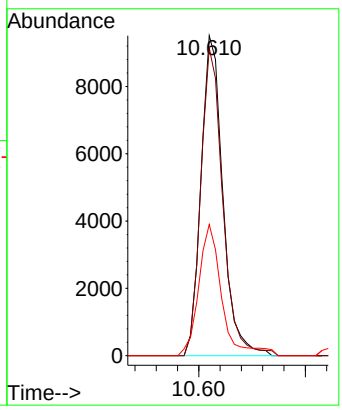
Tgt Ion:330 Resp: 1354

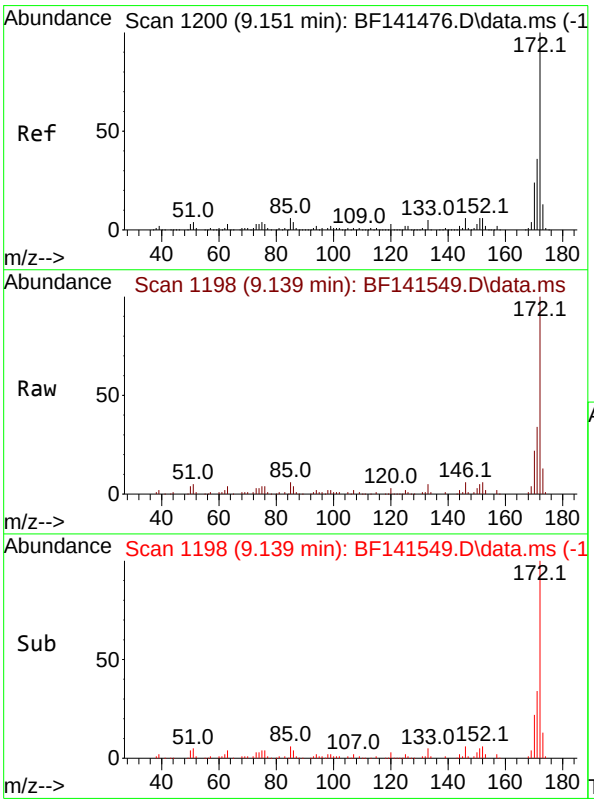
Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.5	117.7
141	43.2	31.0	46.4

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

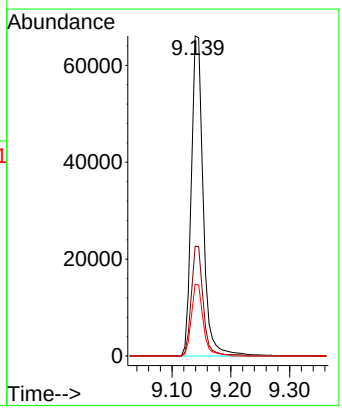


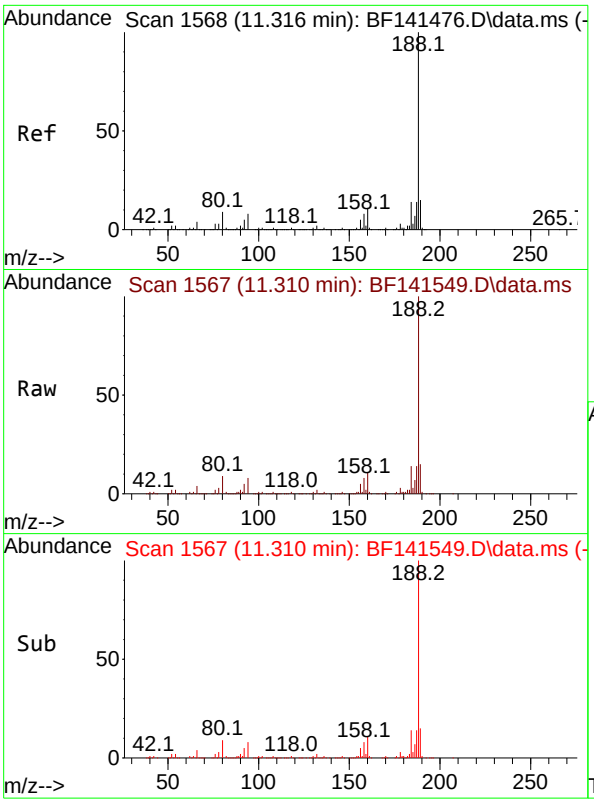


#45
2-Fluorobiphenyl
Concen: 9.217 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:172 Resp: 93422

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.7	43.1
170	22.4	18.9	28.3

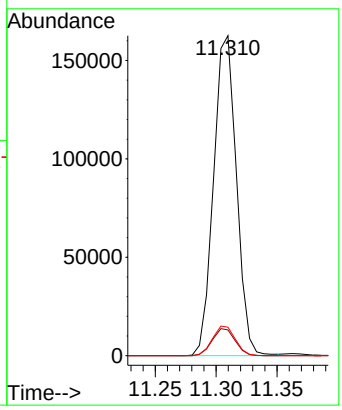




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:188 Resp: 21267

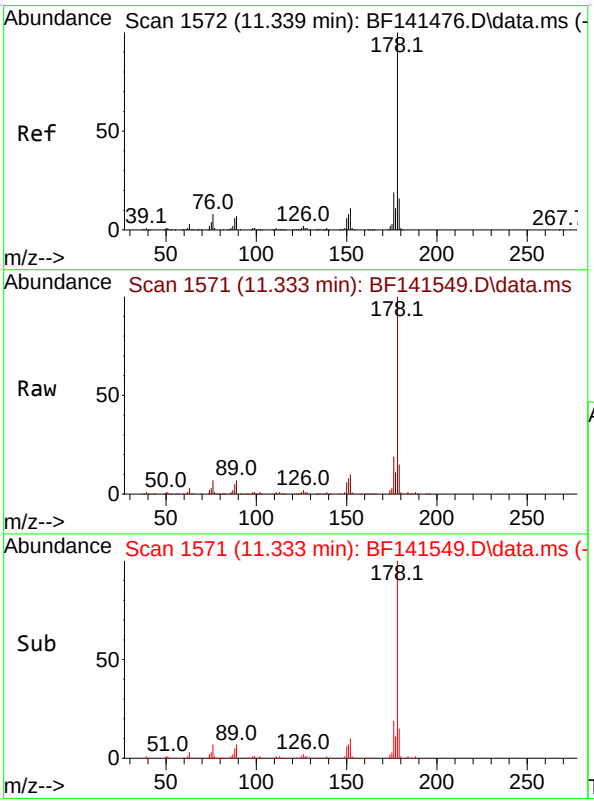
Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.6	10.0
80	8.9	7.3	10.9



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
APPROVED

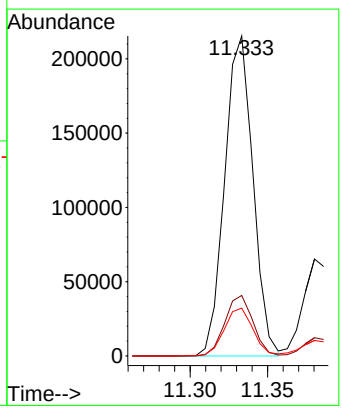
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

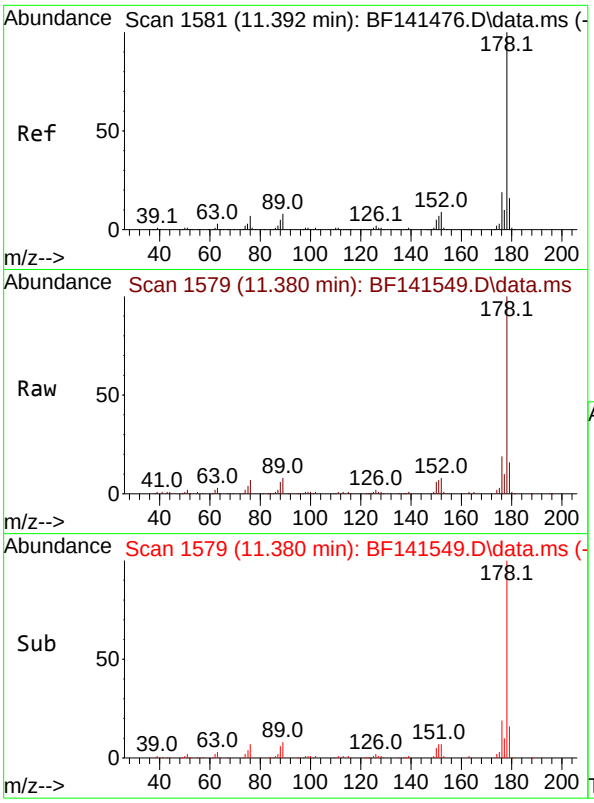


#71
Phenanthrene
Concen: 23.330 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:178 Resp: 273123

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.0	12.4	18.6

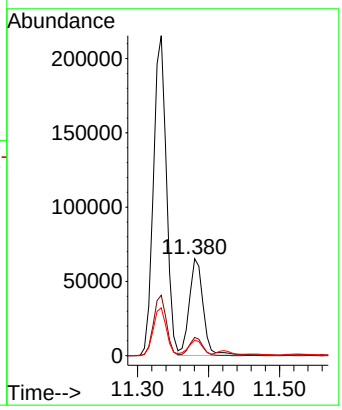




#72
Anthracene
Concen: 7.563 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:178 Resp: 8900

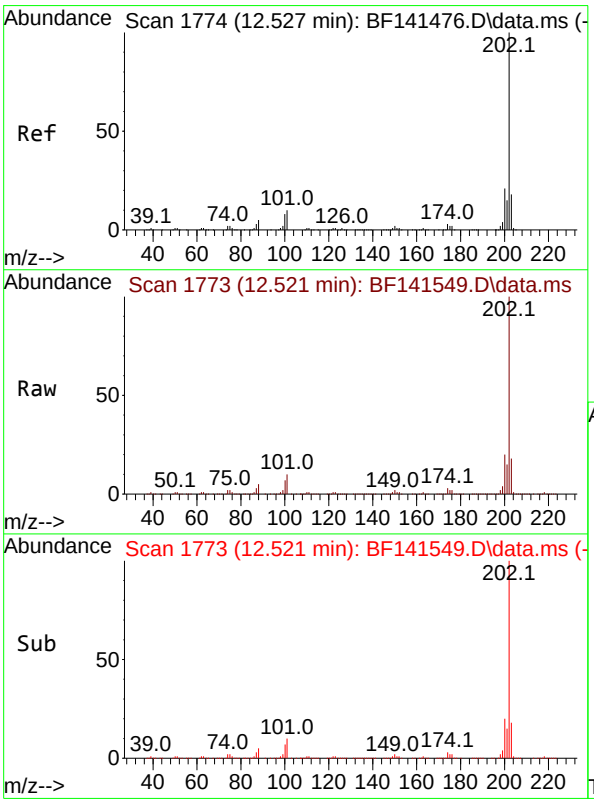
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	16.0	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
APPROVED

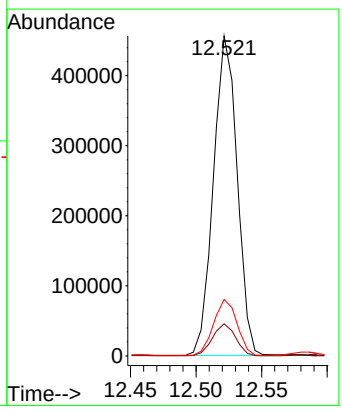
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

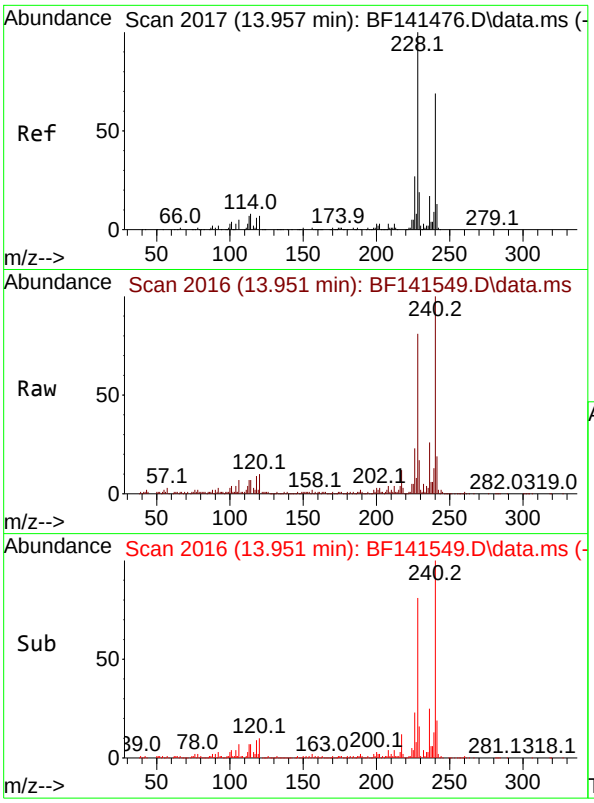


#75
Fluoranthene
Concen: 46.181 ng
RT: 12.521 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:202 Resp: 573178

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.6	0.0	37.6

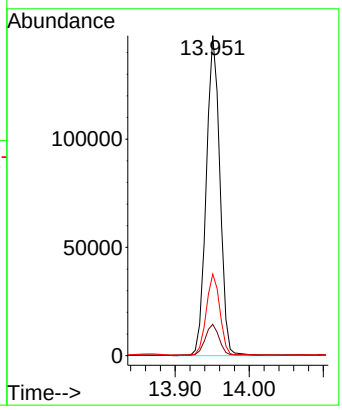




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:240 Resp: 189599

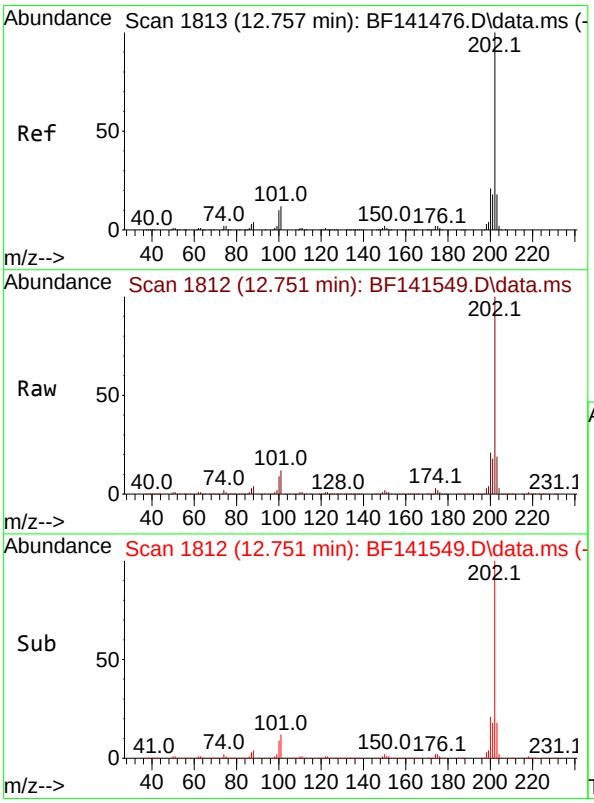
Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.5	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
APPROVED

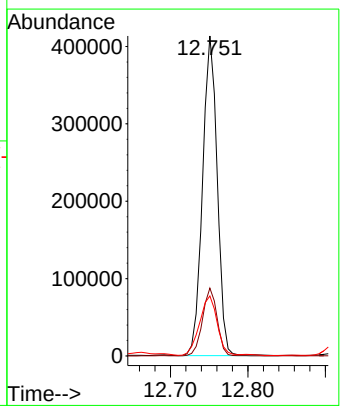
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

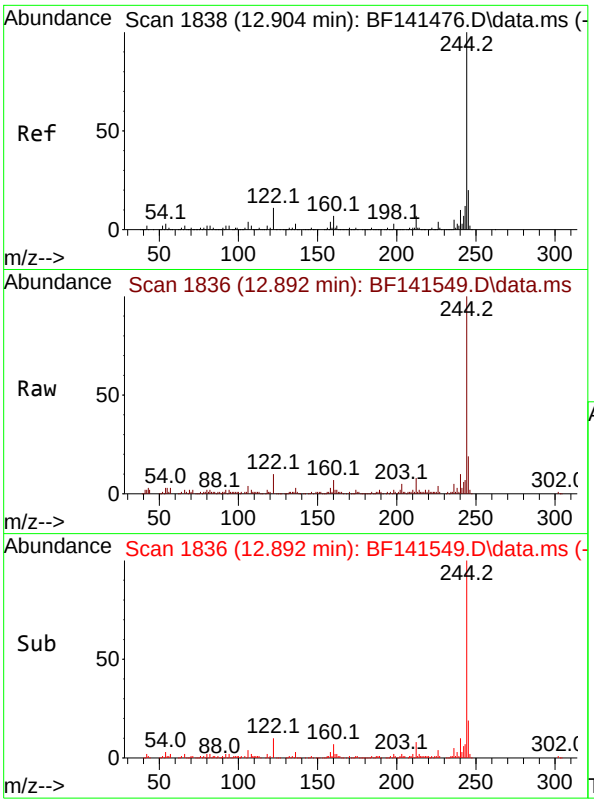


#78
Pyrene
Concen: 33.684 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:202 Resp: 543660

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.7	14.3	21.5

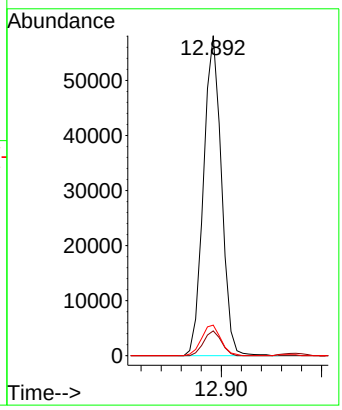




#79
Terphenyl-d14
Concen: 6.446 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:244 Resp: 7239

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.6	8.4
122	9.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
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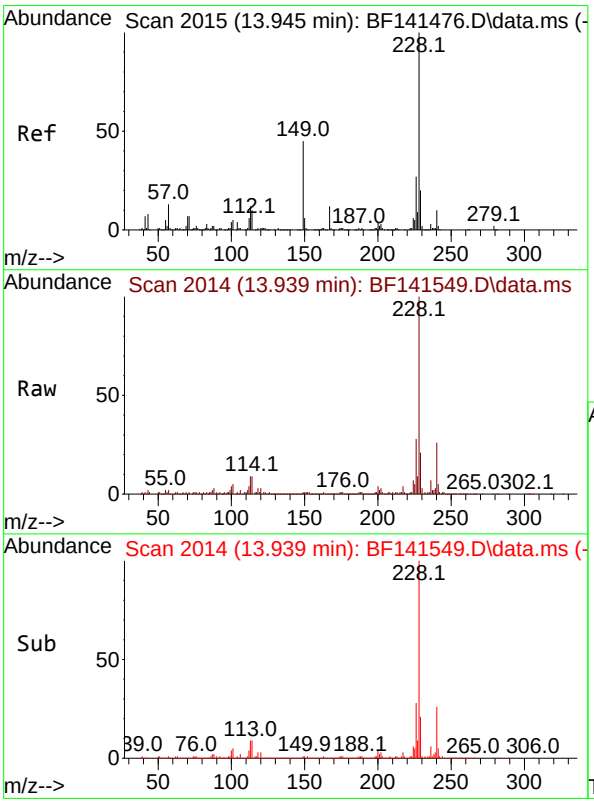
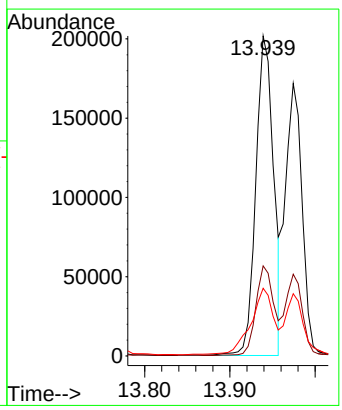
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

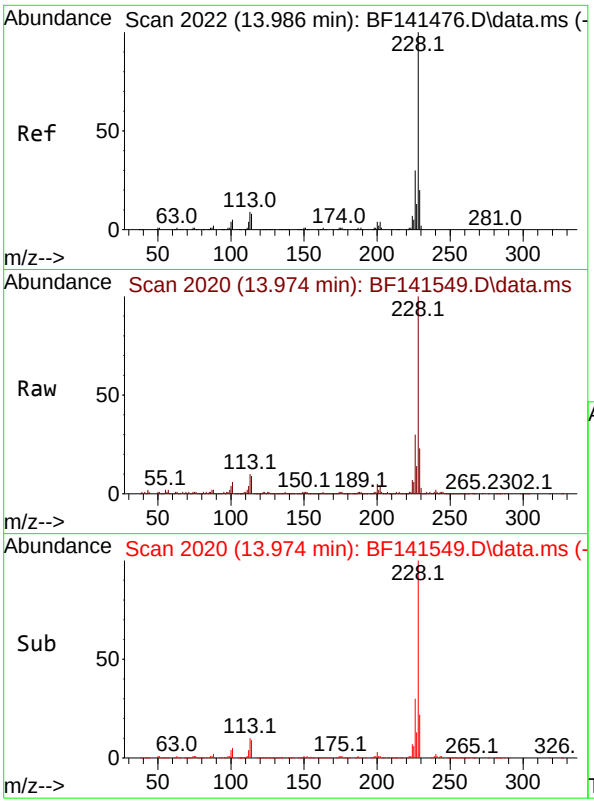


#81
Benzo(a)anthracene
Concen: 23.229 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:228 Resp: 292761

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.8
229	21.2	15.8	23.6

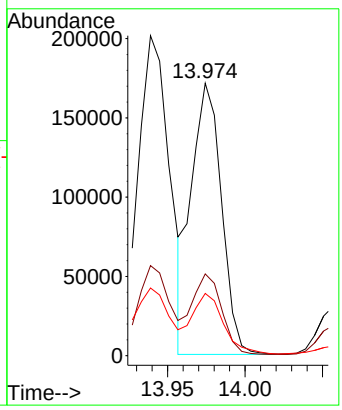




#83
Chrysene
Concen: 19.826 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:228 Resp: 23072

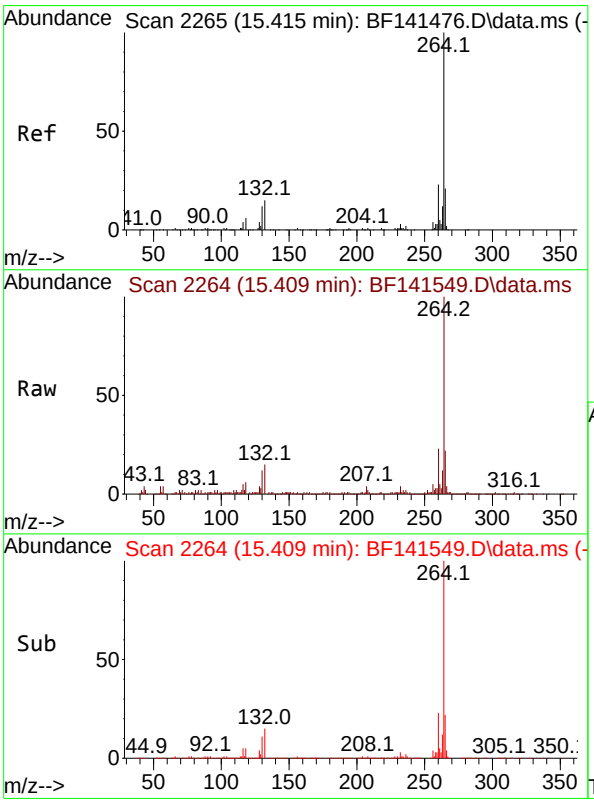
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	22.9	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
APPROVED

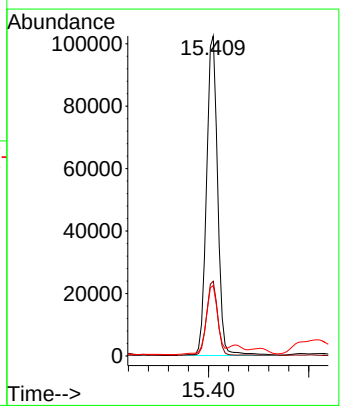
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

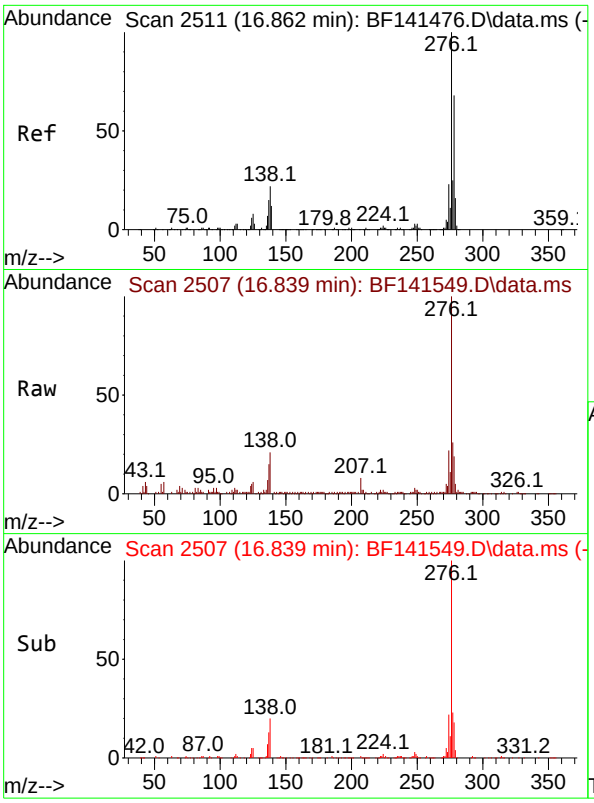


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:264 Resp: 157979

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	22.0	17.0	25.4

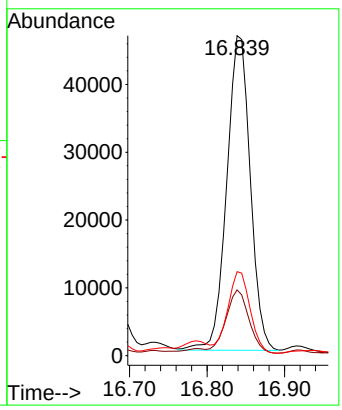




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.049 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:276 Resp: 9809

Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.0	27.0
277	24.8	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
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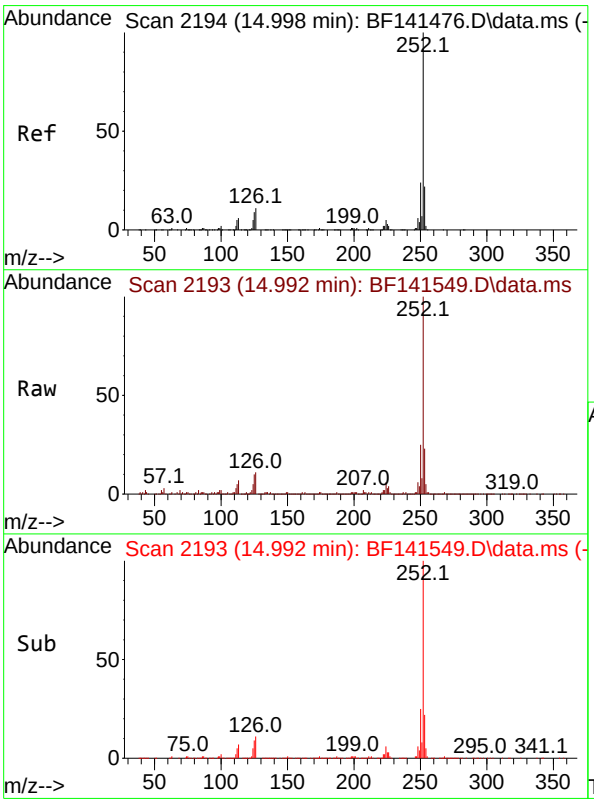
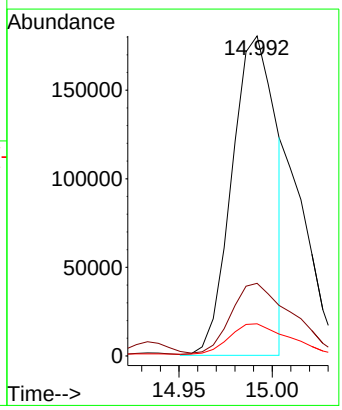
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

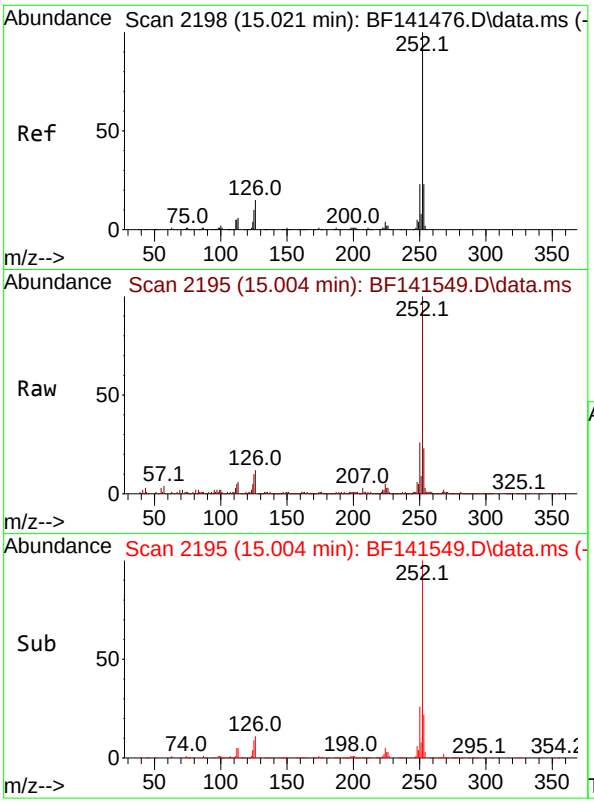


#88
Benzo(b)fluoranthene
Concen: 27.793 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:252 Resp: 294816

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.0	7.0	10.6

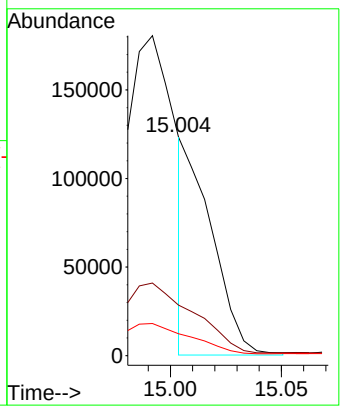




#89
Benzo(k)fluoranthene
Concen: 11.272 ng m
RT: 15.004 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:252 Resp: 10210

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.0	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
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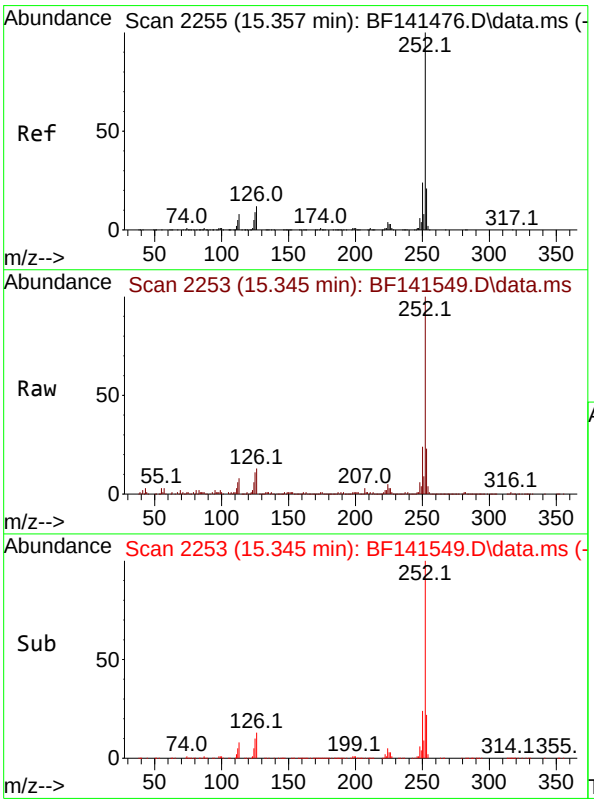
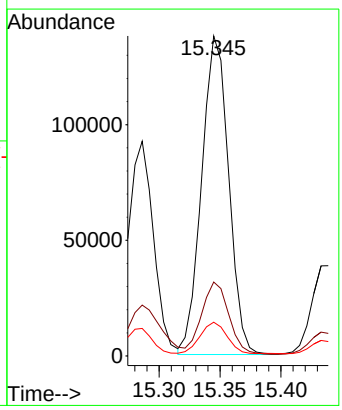
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

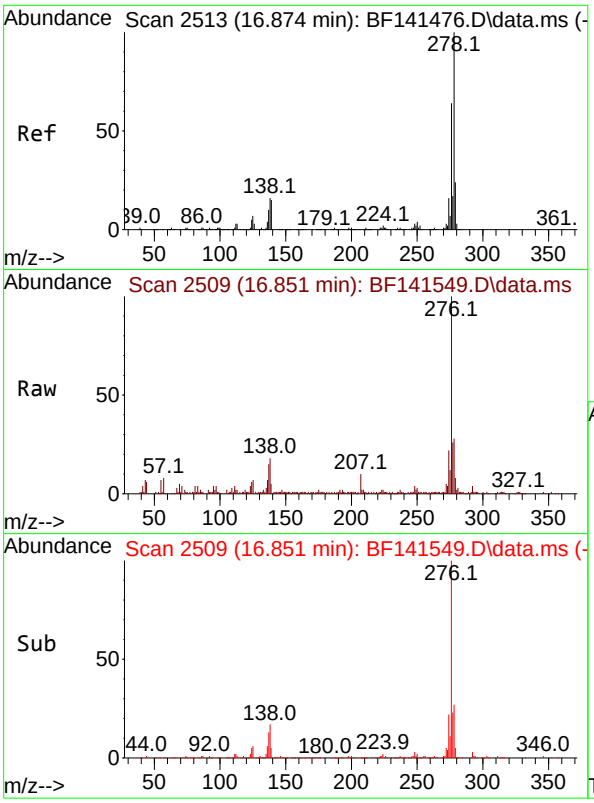


#90
Benzo(a)pyrene
Concen: 24.800 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:252 Resp: 212861

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	10.6	7.4	11.2





#91
Dibenzo(a,h)anthracene
Concen: 2.817 ng m
RT: 16.851 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:278 Resp: 2227

Ion	Ratio	Lower	Upper
278	100		
139	19.0	11.8	17.6
279	27.9	19.1	28.7

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Manual Integrations
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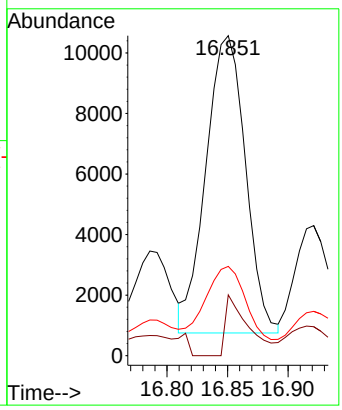
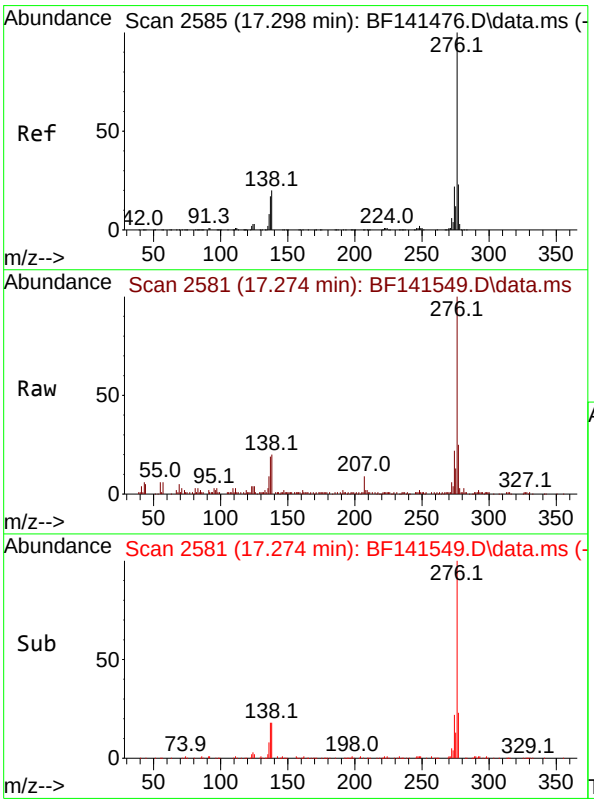
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

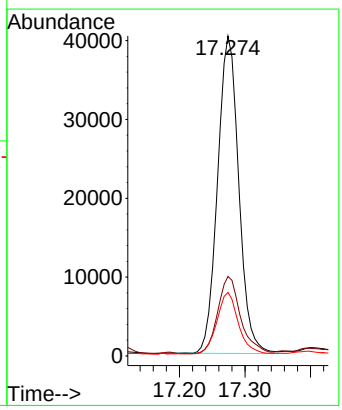




#92
Benzo(g,h,i)perylene
Concen: 10.906 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:276 Resp: 90272

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	19.9	15.9	23.9



Raw Data: **BF141524.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141524.D	2	01/31/25 10:20	02/07/25 22:33	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	710	U	390	710	ug/Kg
108-95-2	Phenol	360	U	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	360	U	180	360	ug/Kg
95-57-8	2-Chlorophenol	360	U	180	360	ug/Kg
95-48-7	2-Methylphenol	360	U	170	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	360	U	190	360	ug/Kg
98-86-2	Acetophenone	360	UQ	190	360	ug/Kg
65794-96-9	3+4-Methylphenols	710	U	170	710	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	86.4	170	ug/Kg
67-72-1	Hexachloroethane	360	U	180	360	ug/Kg
98-95-3	Nitrobenzene	360	U	190	360	ug/Kg
78-59-1	Isophorone	360	U	180	360	ug/Kg
88-75-5	2-Nitrophenol	360	U	200	360	ug/Kg
105-67-9	2,4-Dimethylphenol	360	U	200	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	360	U	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol	360	U	160	360	ug/Kg
91-20-3	Naphthalene	360	U	180	360	ug/Kg
106-47-8	4-Chloroaniline	360	U	180	360	ug/Kg
87-68-3	Hexachlorobutadiene	360	U	180	360	ug/Kg
105-60-2	Caprolactam	710	U	190	710	ug/Kg
59-50-7	4-Chloro-3-methylphenol	360	U	170	360	ug/Kg
91-57-6	2-Methylnaphthalene	360	U	180	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	710	UQ	330	710	ug/Kg
88-06-2	2,4,6-Trichlorophenol	360	U	150	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	360	U	160	360	ug/Kg
92-52-4	1,1-Biphenyl	360	U	190	360	ug/Kg
91-58-7	2-Chloronaphthalene	360	U	180	360	ug/Kg
88-74-4	2-Nitroaniline	360	U	200	360	ug/Kg
131-11-3	Dimethylphthalate	360	U	180	360	ug/Kg

Raw Data: **BF141524.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141524.D	2	01/31/25 10:20	02/07/25 22:33	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	360	U	190	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	360	U	180	360	ug/Kg
99-09-2	3-Nitroaniline	360	U	190	360	ug/Kg
83-32-9	Acenaphthene	360	U	170	360	ug/Kg
51-28-5	2,4-Dinitrophenol	710	U	520	710	ug/Kg
100-02-7	4-Nitrophenol	710	U	250	710	ug/Kg
132-64-9	Dibenzofuran	360	U	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	360	U	180	360	ug/Kg
84-66-2	Diethylphthalate	360	U	170	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	360	U	180	360	ug/Kg
86-73-7	Fluorene	360	U	180	360	ug/Kg
100-01-6	4-Nitroaniline	360	U	230	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	710	U	250	710	ug/Kg
86-30-6	n-Nitrosodiphenylamine	360	U	170	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	360	U	170	360	ug/Kg
118-74-1	Hexachlorobenzene	360	U	180	360	ug/Kg
1912-24-9	Atrazine	360	U	200	360	ug/Kg
87-86-5	Pentachlorophenol	710	U	170	710	ug/Kg
85-01-8	Phenanthrene	1400		180	360	ug/Kg
120-12-7	Anthracene	400		180	360	ug/Kg
86-74-8	Carbazole	360	U	170	360	ug/Kg
84-74-2	Di-n-butylphthalate	360	U	180	360	ug/Kg
206-44-0	Fluoranthene	2400		180	360	ug/Kg
129-00-0	Pyrene	2500		180	360	ug/Kg
85-68-7	Butylbenzylphthalate	360	U	210	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	710	U	210	710	ug/Kg
56-55-3	Benzo(a)anthracene	1600		170	360	ug/Kg
218-01-9	Chrysene	1300		170	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	360	U	200	360	ug/Kg
117-84-0	Di-n-octyl phthalate	710	U	240	710	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		170	360	ug/Kg

Raw Data: **BF141524.D**

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141524.D	2	01/31/25 10:20	02/07/25 22:33	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	670		180	360	ug/Kg
50-32-8	Benzo(a)pyrene	1400		200	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	630		170	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	J	170	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	730		170	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	190	360	ug/Kg
123-91-1	1,4-Dioxane	360	U	240	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	360	U	160	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	81.4		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	77.7		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.9		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.9		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.3		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	67.7		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	86600	6.792			
1146-65-2	Naphthalene-d8	321000	8.075			
15067-26-2	Acenaphthene-d10	156000	9.828			
1517-22-2	Phenanthrene-d10	244000	11.316			
1719-03-5	Chrysene-d12	144000	13.968			
1520-96-3	Perylene-d12	116000	15.439			
TENTATIVE IDENTIFIED COMPOUNDS						
000080-56-8	.alpha.-Pinene	430	J		6.06	ug/Kg
000119-61-9	Benzophenone	220	J		10.5	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	190	J		11.8	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	600	J		11.8	ug/Kg
000613-12-7	Anthracene, 2-methyl-	180	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	570	J		11.9	ug/Kg
006572-60-7	Tricyclo[8.2.2.2(4,7)]hexadeca-2,4	210	J		12.1	ug/Kg

Raw Data: **BF141524.D**

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141524.D	2	01/31/25 10:20	02/07/25 22:33	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	490	J		12.3	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	160	J		12.4	ug/Kg
000483-65-8	Retene	300	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	190	J		13.1	ug/Kg
002381-21-7	Pyrene, 1-methyl-	270	J		13.2	ug/Kg
001235-74-1	Methyl dehydroabietate	200	J		13.4	ug/Kg

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

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

Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 08 00:32:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	86637	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	320633	20.000	ng		0.00
39) Acenaphthene-d10	9.828	164	156448	20.000	ng		0.00
64) Phenanthrene-d10	11.316	188	243767	20.000	ng		0.00
76) Chrysene-d12	13.968	240	144012	20.000	ng		0.00
86) Perylene-d12	15.439	264	115869	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	224859	40.689	ng		0.00
7) Phenol-d6	6.428	99	271285	38.840	ng		-0.01
23) Nitrobenzene-d5	7.351	82	162742	26.474	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	53673	34.152	ng		0.00
45) 2-Fluorobiphenyl	9.145	172	319202	31.434	ng		0.00
79) Terphenyl-d14	12.904	244	288829	33.858	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.339	178	266348	19.850	ng		99
72) Anthracene	11.392	178	75247	5.579	ng		99
75) Fluoranthene	12.533	202	483563	33.992	ng		100
78) Pyrene	12.763	202	429747	35.055	ng		99
81) Benzo(a)anthracene	13.957	228	214302	22.386	ng		97
83) Chrysene	13.992	228	164556	18.617	ng		97
87) Indeno(1,2,3-cd)pyrene	16.886	276	63369	8.851	ng		94
88) Benzo(b)fluoranthene	15.015	252	183586m	23.597	ng		
89) Benzo(k)fluoranthene	15.033	252	62092m	9.346	ng		
90) Benzo(a)pyrene	15.374	252	125004	19.857	ng	#	92
91) Dibenzo(a,h)anthracene	16.898	278	17013	2.933	ng	#	75
92) Benzo(g,h,i)perylene	17.327	276	62398	10.279	ng		96

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

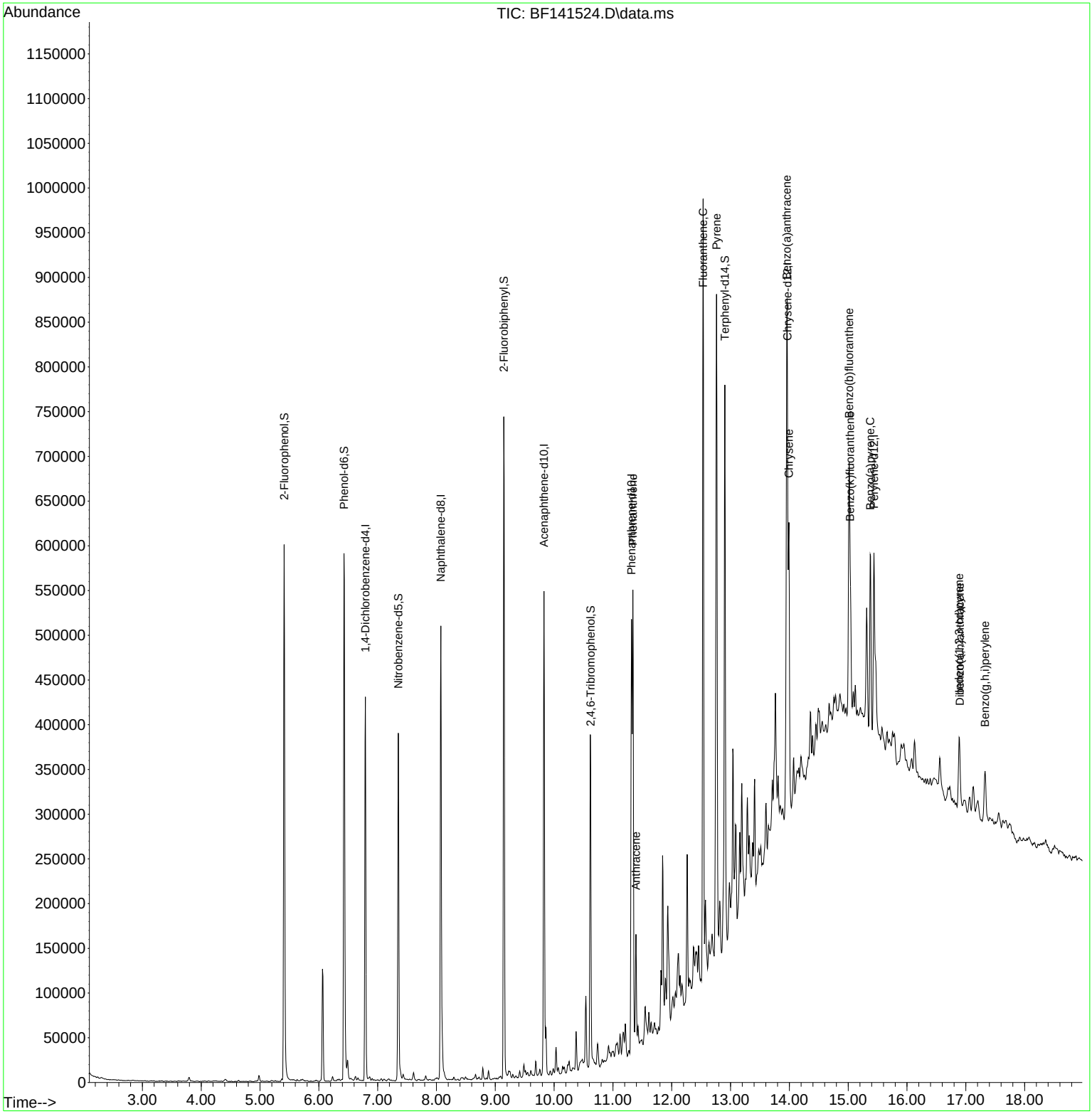
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

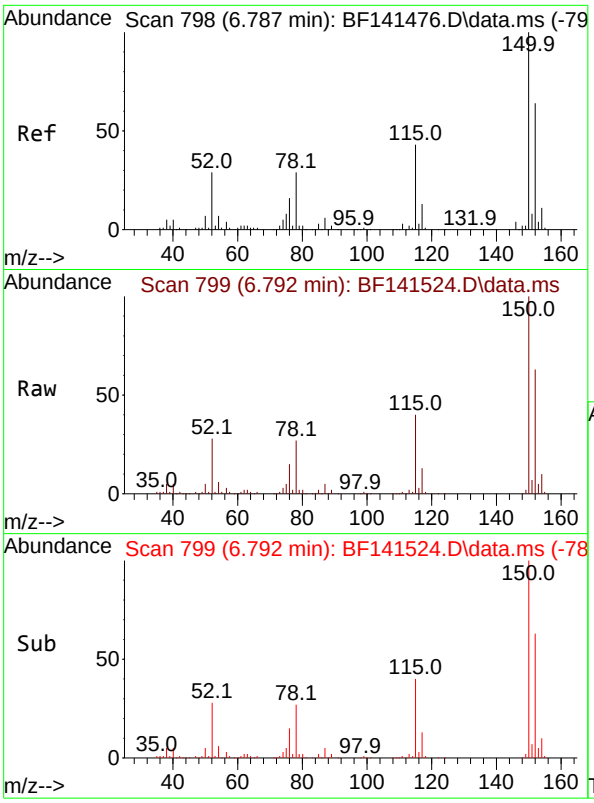
Quant Time: Feb 08 00:32:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

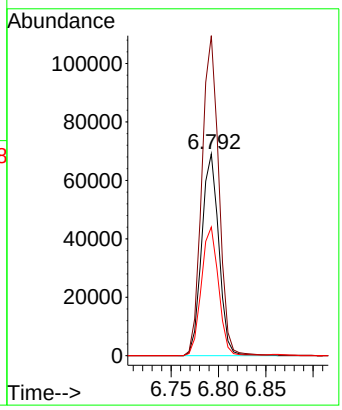




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:152 Resp: 8663

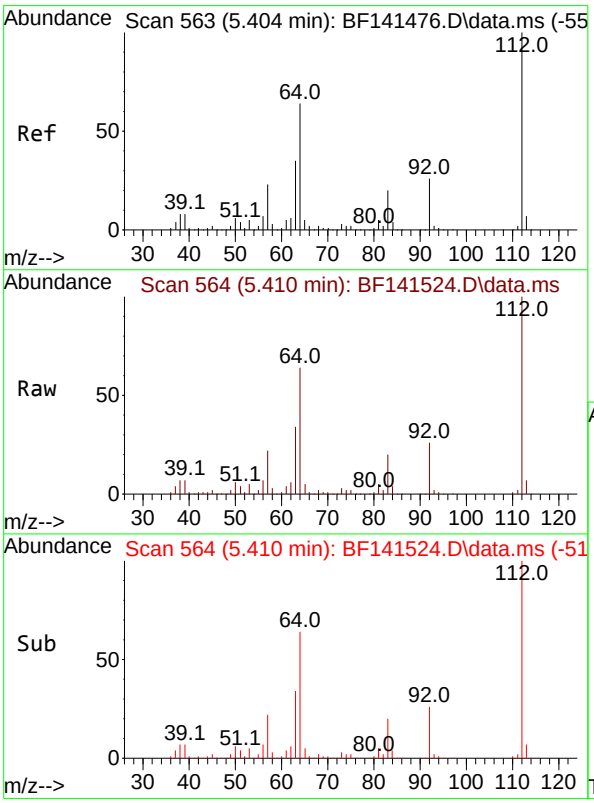
Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.0	187.4
115	63.8	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Manual Integrations
APPROVED

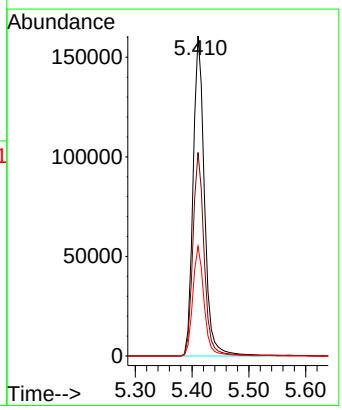
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

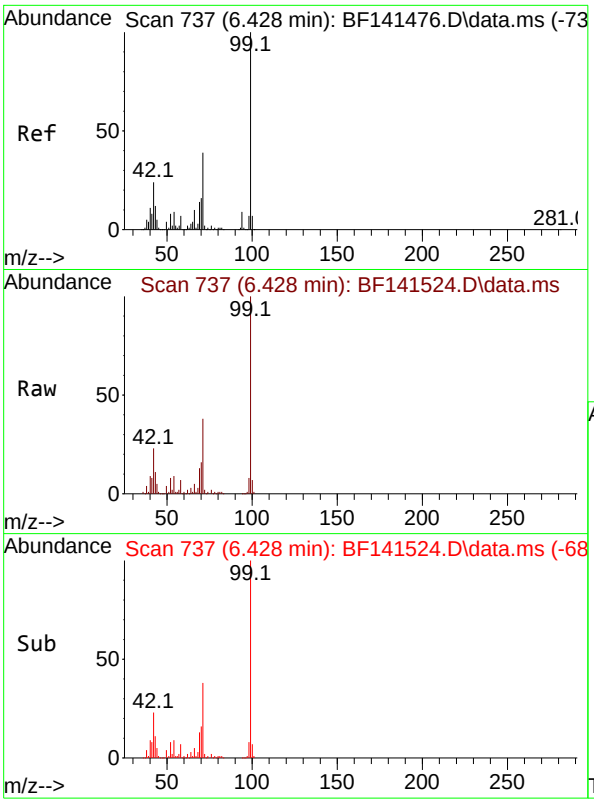


#5
2-Fluorophenol
Concen: 40.689 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:112 Resp: 224859

Ion	Ratio	Lower	Upper
112	100		
64	63.6	51.1	76.7
63	34.2	28.4	42.6

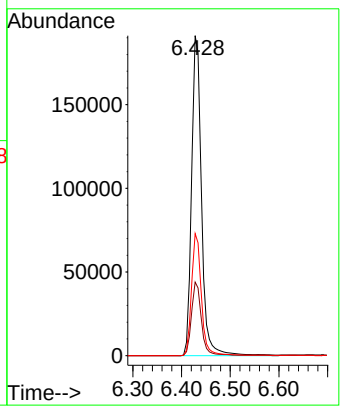




#7
Phenol-d6
Concen: 38.840 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion: 99 Resp: 27128

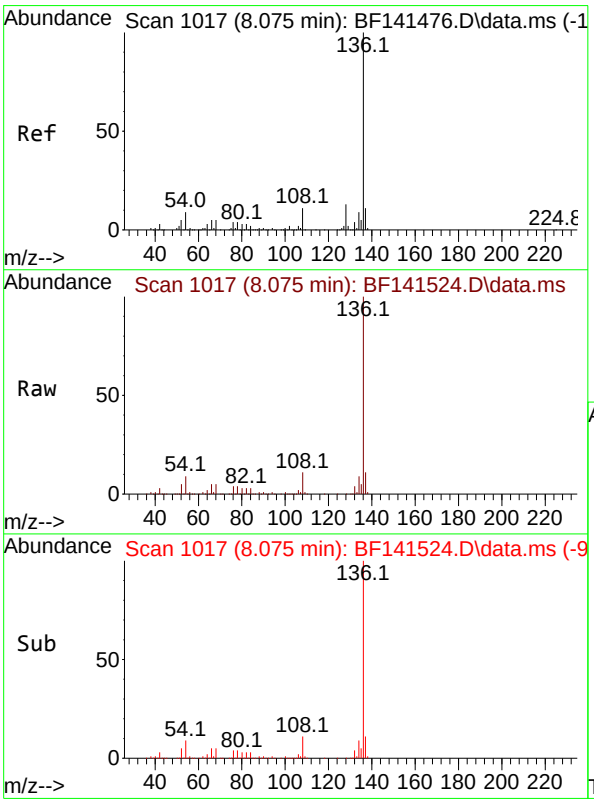
Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.1	28.7
71	38.1	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Manual Integrations
APPROVED

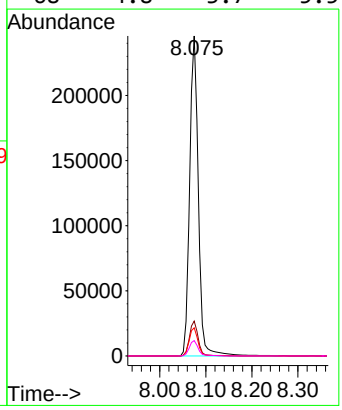
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

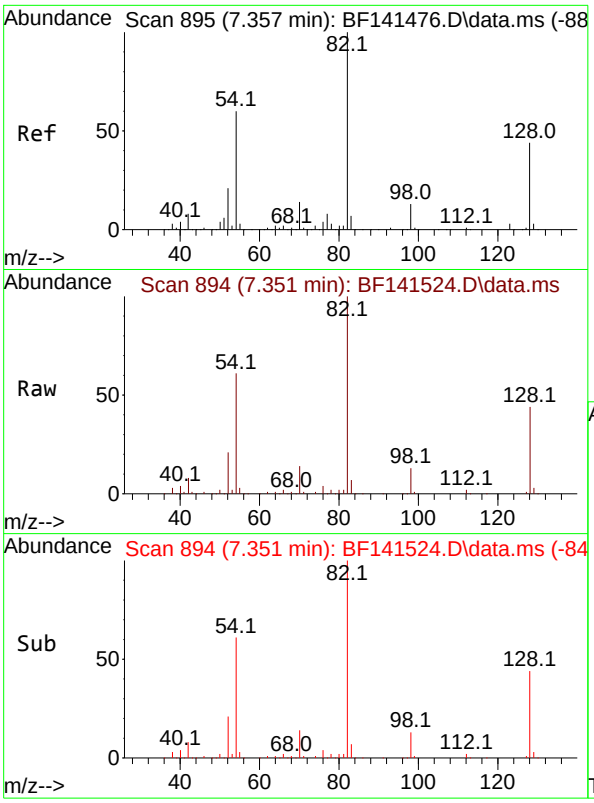


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:136 Resp: 320633

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5

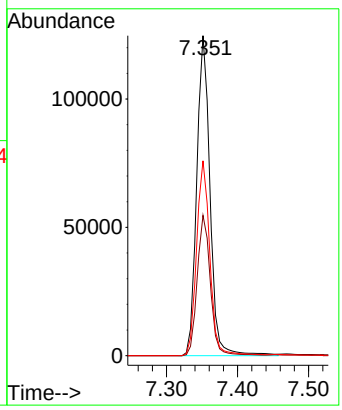




#23
Nitrobenzene-d5
Concen: 26.474 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion: 82 Resp: 16274

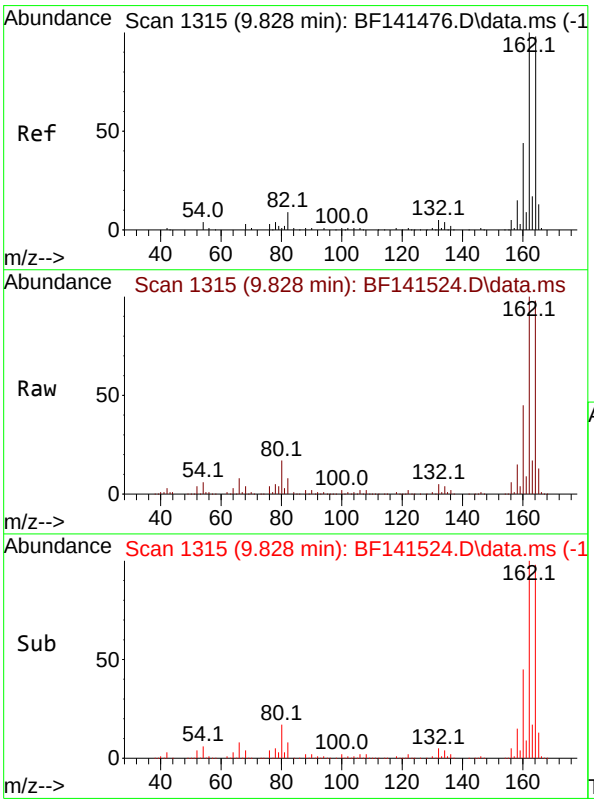
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.8	52.2
54	60.9	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Manual Integrations
APPROVED

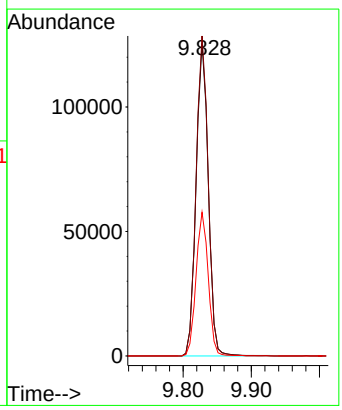
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

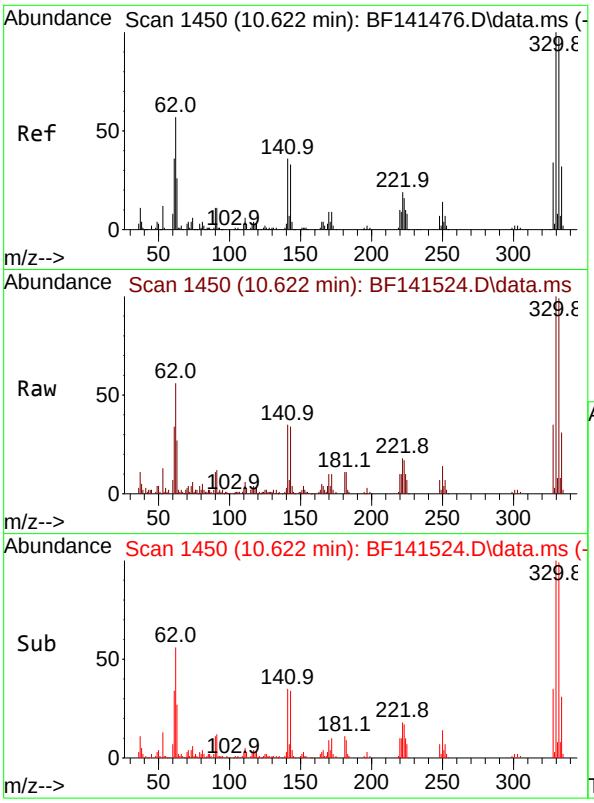


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:164 Resp: 156448

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.3	121.9
160	46.0	35.9	53.9

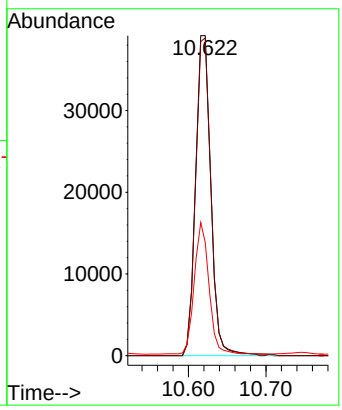




#42
2,4,6-Tribromophenol
Concen: 34.152 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:330 Resp: 5367

Ion	Ratio	Lower	Upper
330	100		
332	99.0	78.5	117.7
141	38.9	31.0	46.4



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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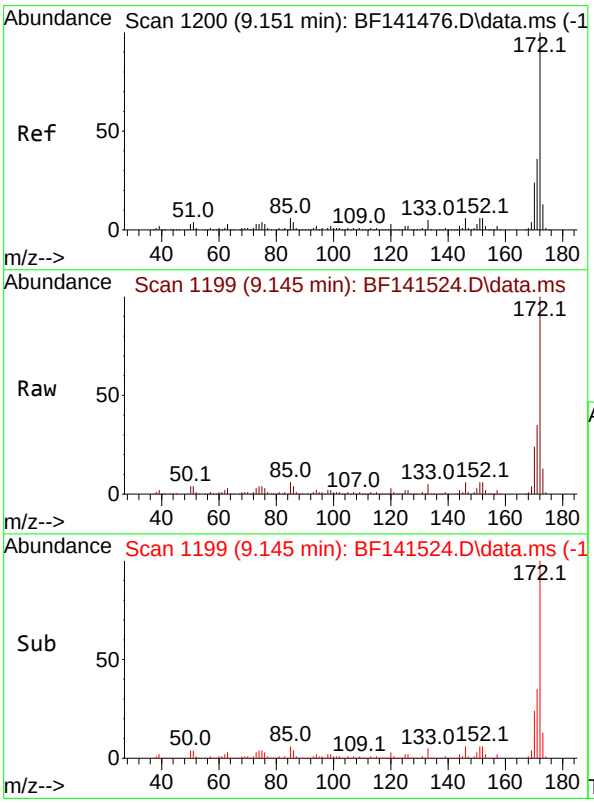
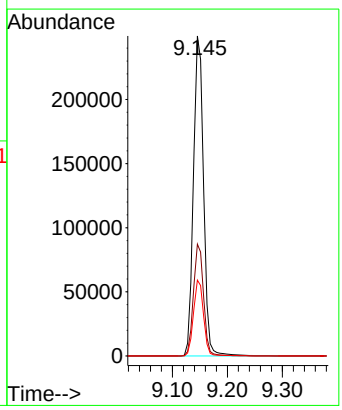
Supervised By :mohammad ahmed 02/12/2025

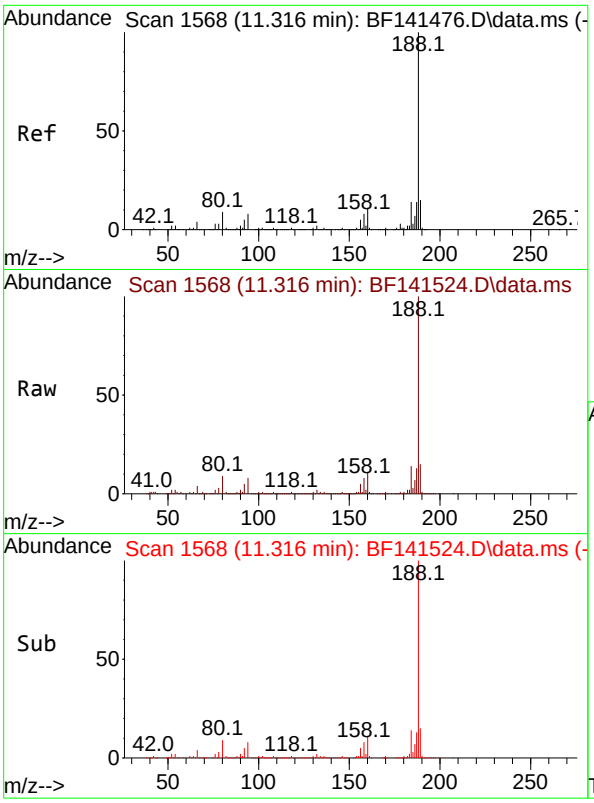


#45
2-Fluorobiphenyl
Concen: 31.434 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:172 Resp: 319202

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.7	43.1
170	23.7	18.9	28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:188 Resp: 24376

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.2	7.3	10.9

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Manual Integrations
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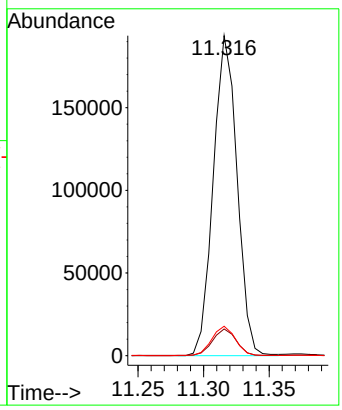
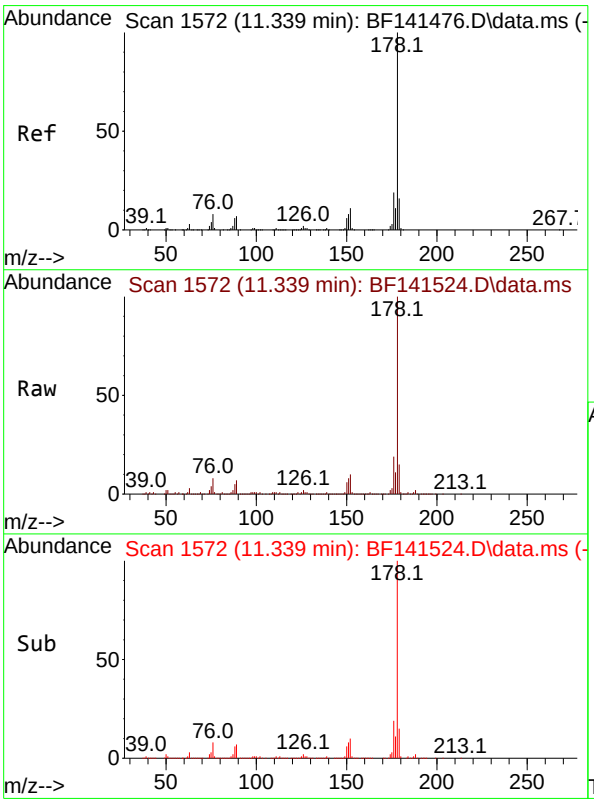
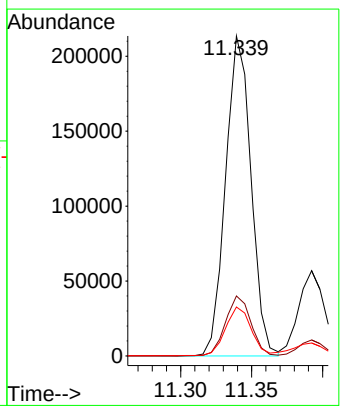


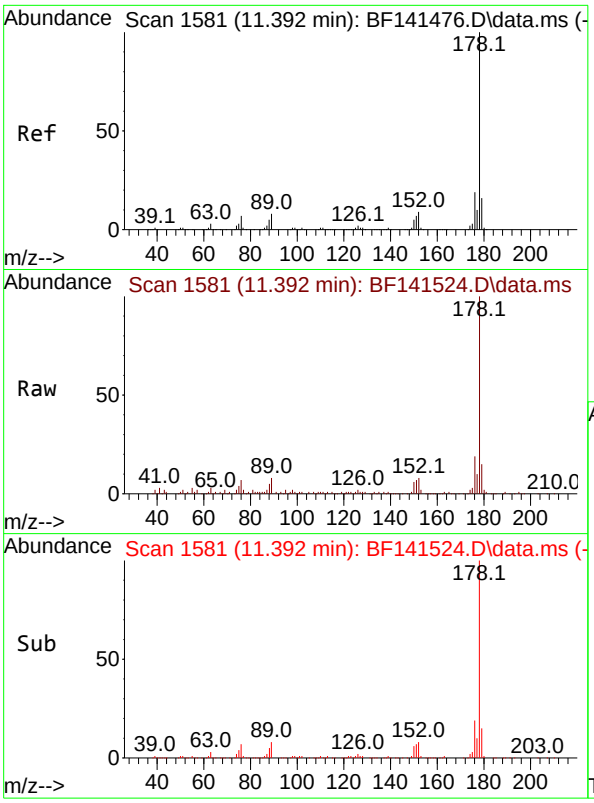


#71
Phenanthrene
Concen: 19.850 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:178 Resp: 266348

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.3	12.4	18.6





#72
Anthracene
Concen: 5.579 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:178 Resp: 7524

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.2	12.4	18.6

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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Reviewed By :Anahy Claudio 02/10/2025
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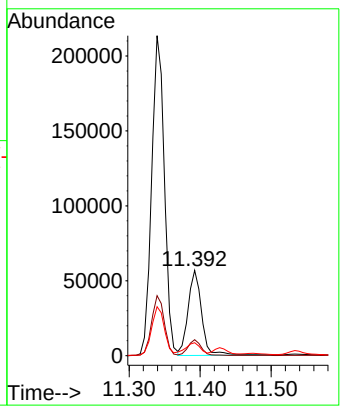
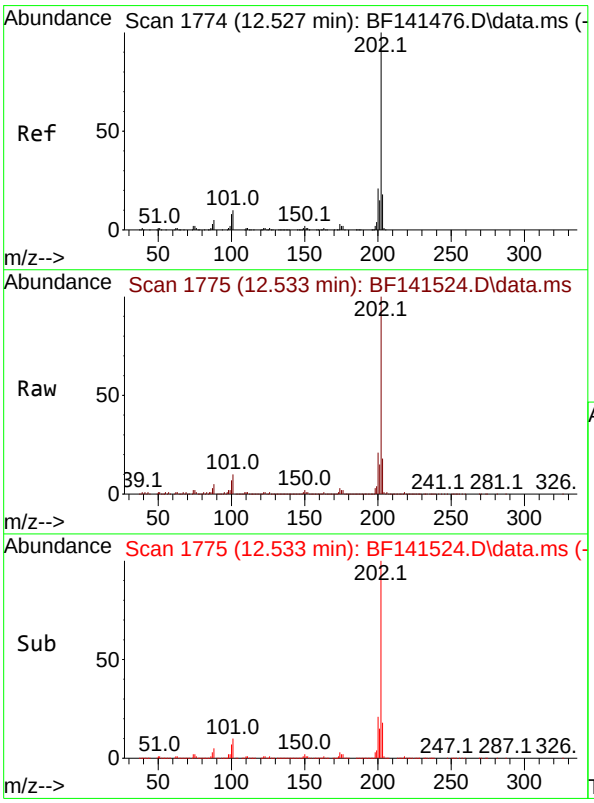
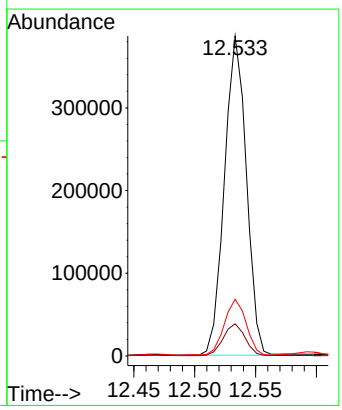


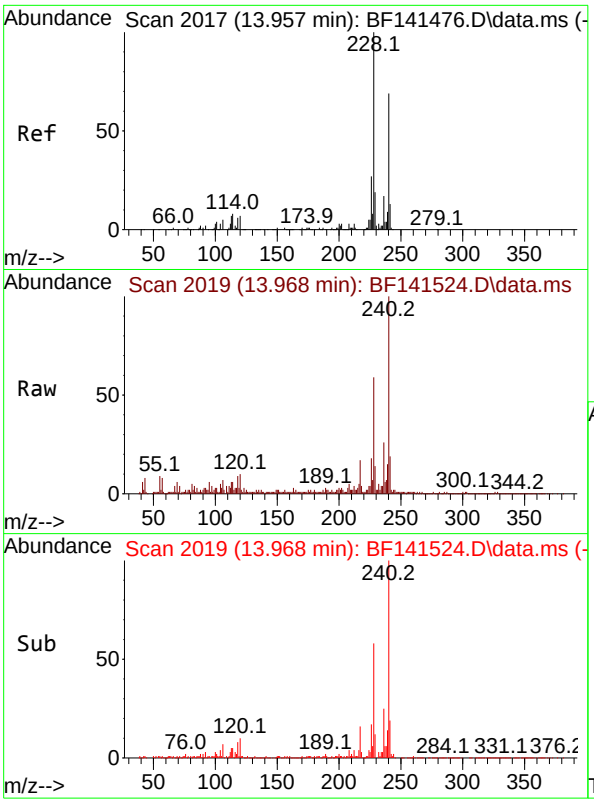


#75
Fluoranthene
Concen: 33.992 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:202 Resp: 483563

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.7	0.0	37.6

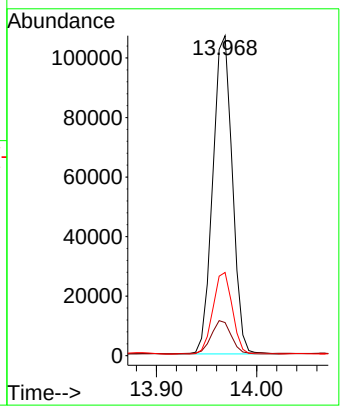




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:240 Resp: 14401

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.0	12.0
236	26.0	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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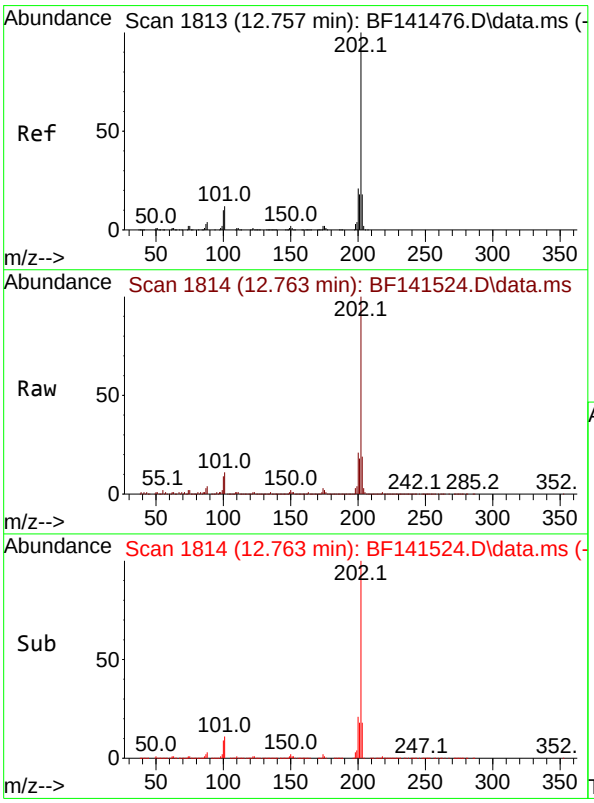
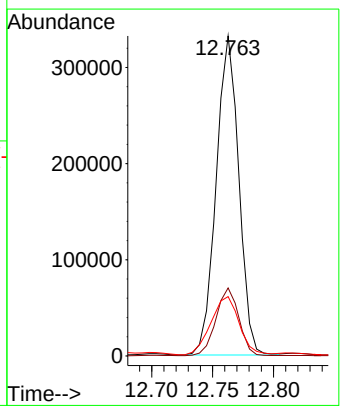
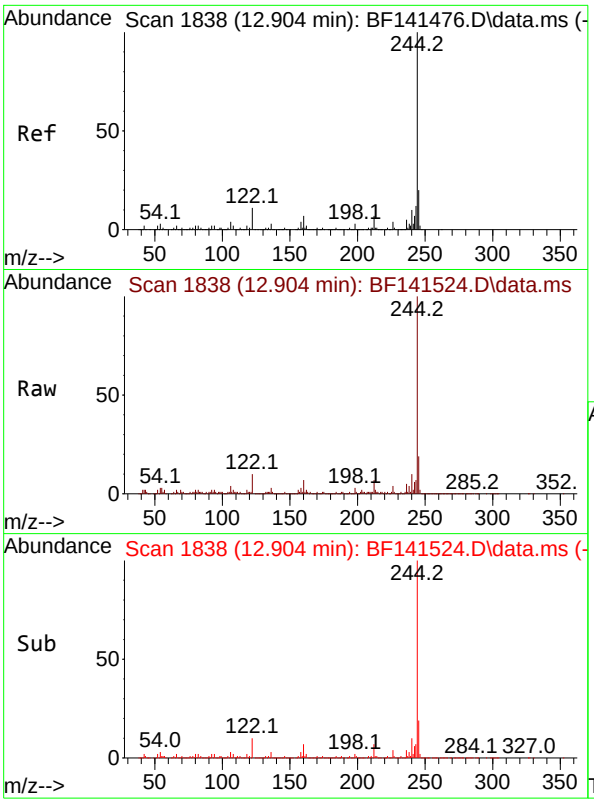


#78
Pyrene
Concen: 35.055 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:202 Resp: 429747

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.6	14.3	21.5

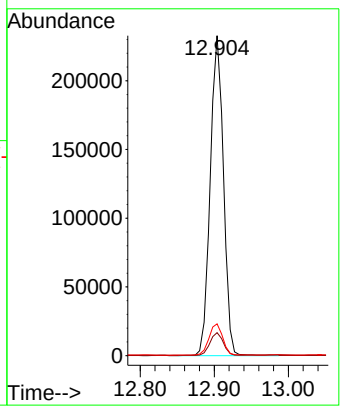




#79
Terphenyl-d14
Concen: 33.858 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:244 Resp: 28882

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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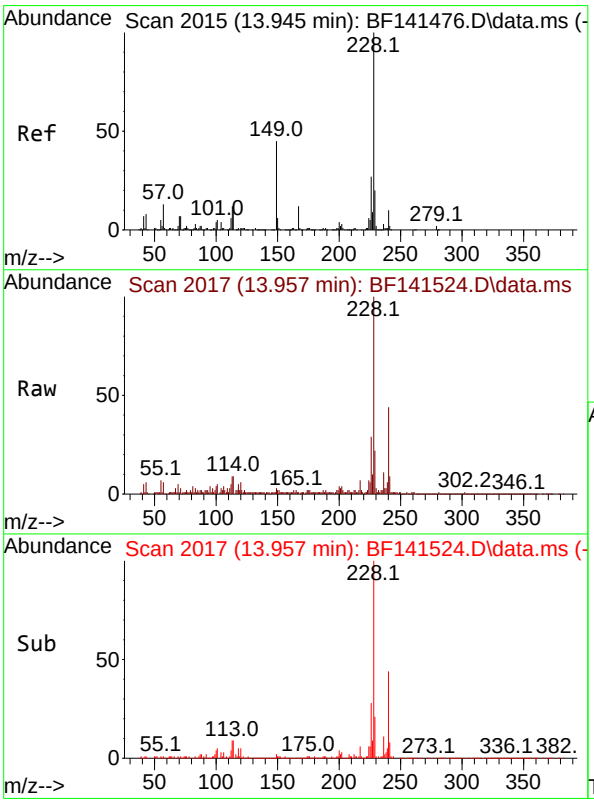
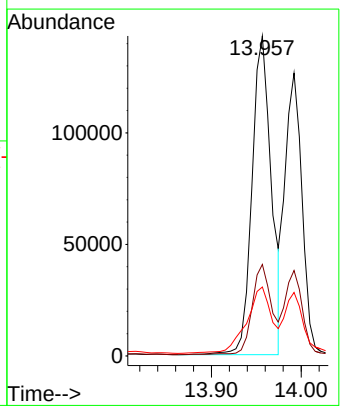
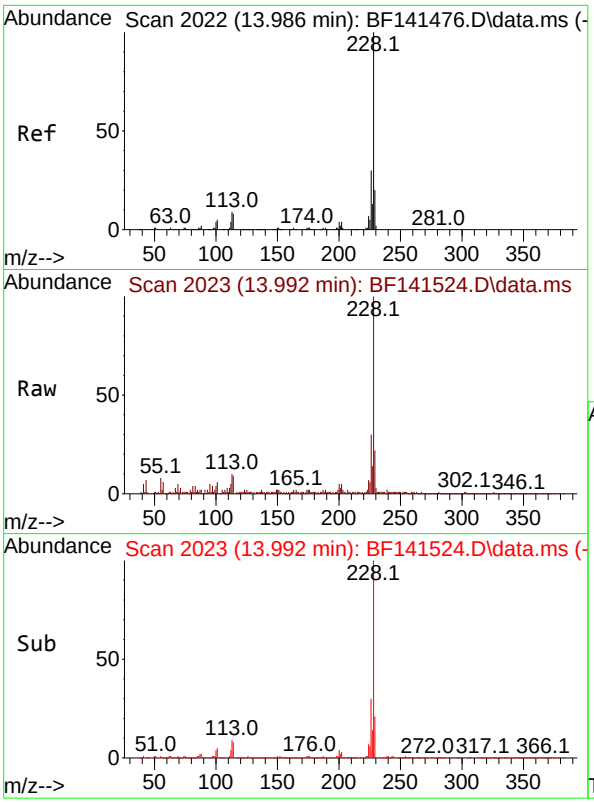


#81
Benzo(a)anthracene
Concen: 22.386 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:228 Resp: 214302

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.8
229	21.6	15.8	23.6

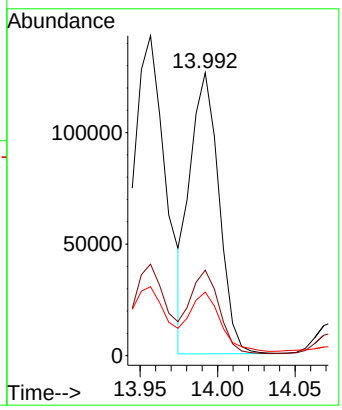




#83
Chrysene
Concen: 18.617 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:228 Resp: 16455

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	22.4	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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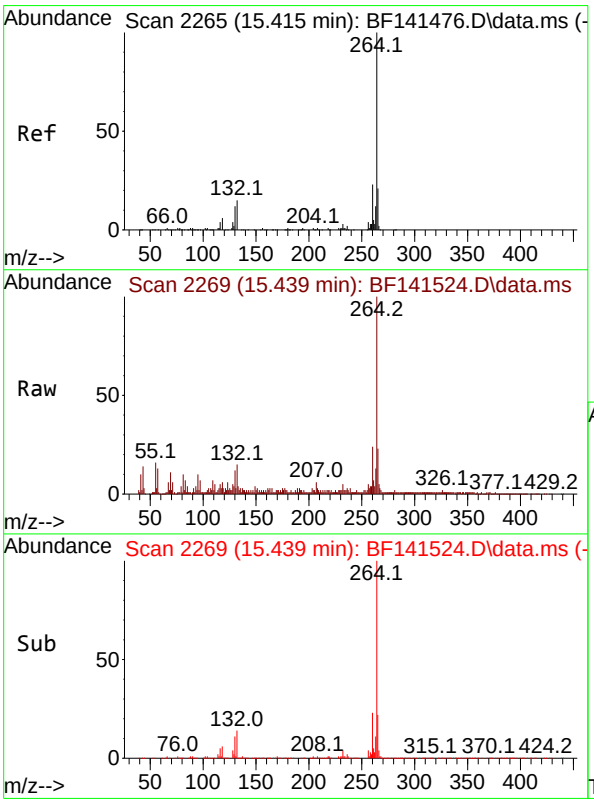
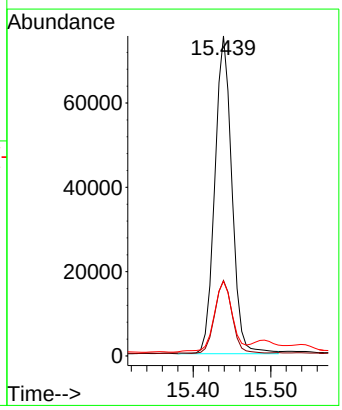
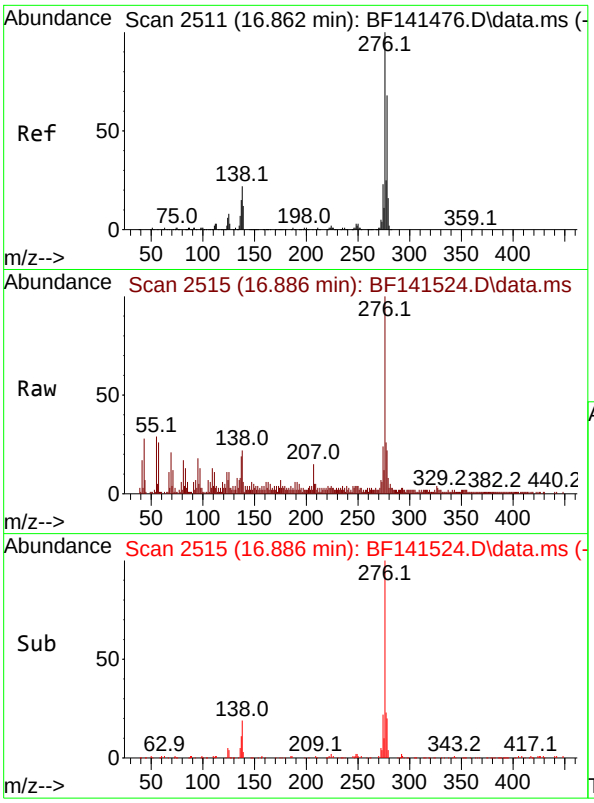


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.024 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:264 Resp: 115869

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	23.4	17.0	25.4

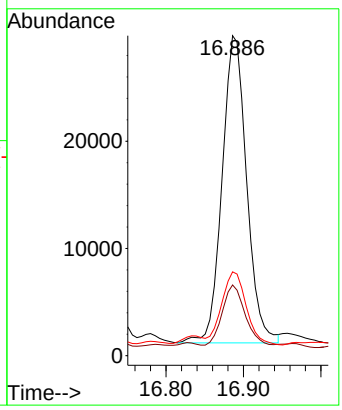




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.851 ng
RT: 16.886 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:276 Resp: 6336

Ion	Ratio	Lower	Upper
276	100		
138	18.1	18.0	27.0
277	23.8	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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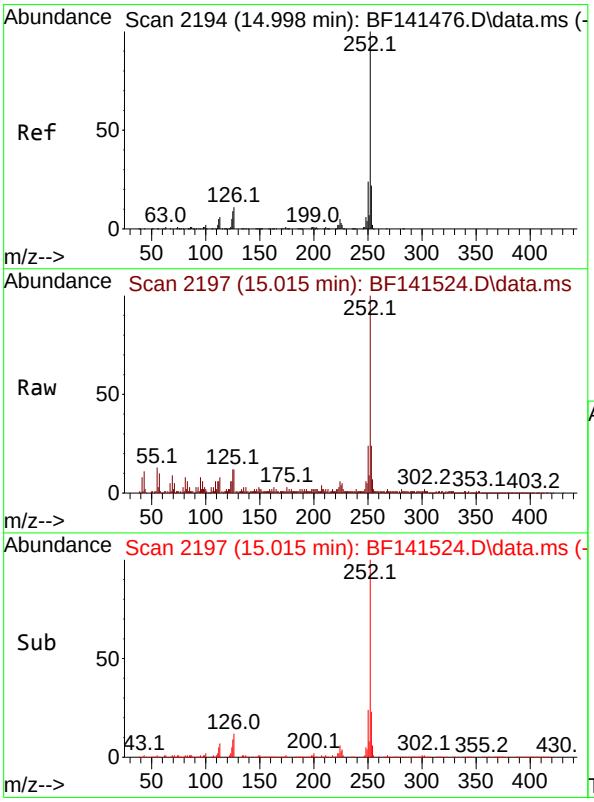
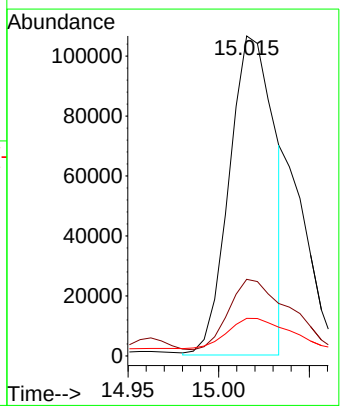
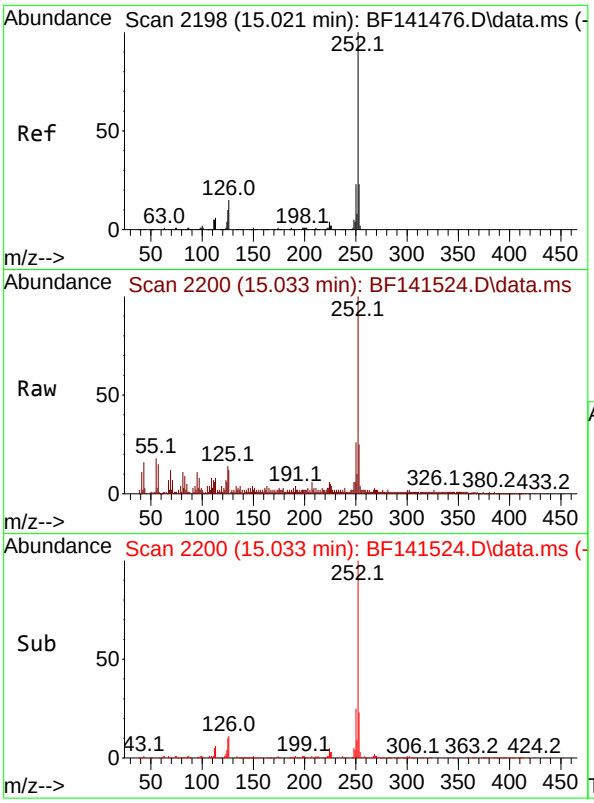


#88
Benzo(b)fluoranthene
Concen: 23.597 ng m
RT: 15.015 min Scan# 2197
Delta R.T. 0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:252 Resp: 183586

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.8	7.0	10.6#

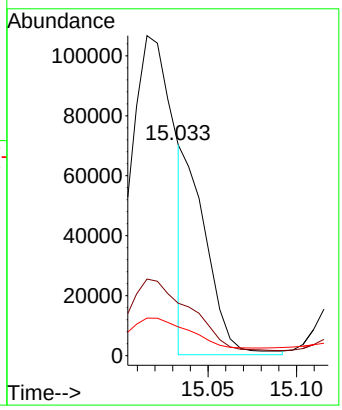




#89
Benzo(k)fluoranthene
Concen: 9.346 ng m
RT: 15.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:252 Resp: 6209

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	13.7	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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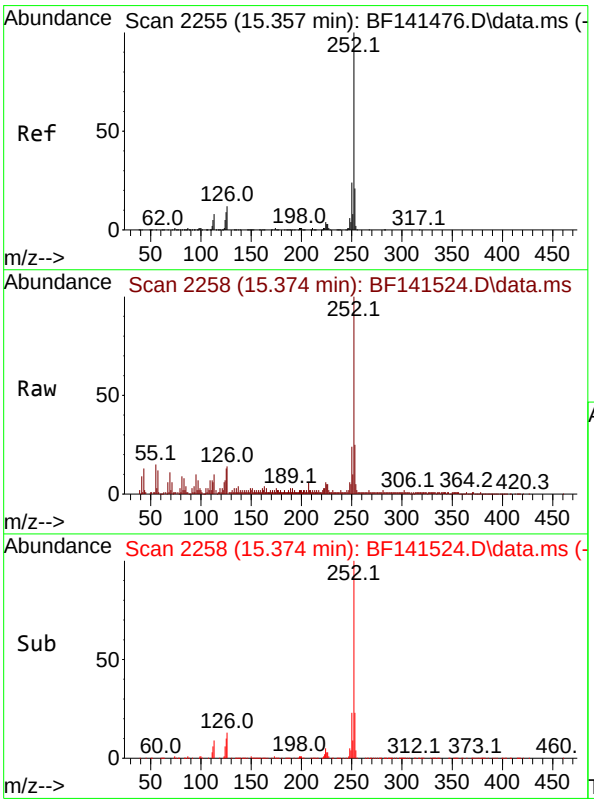
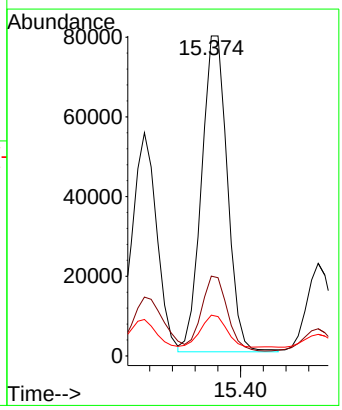
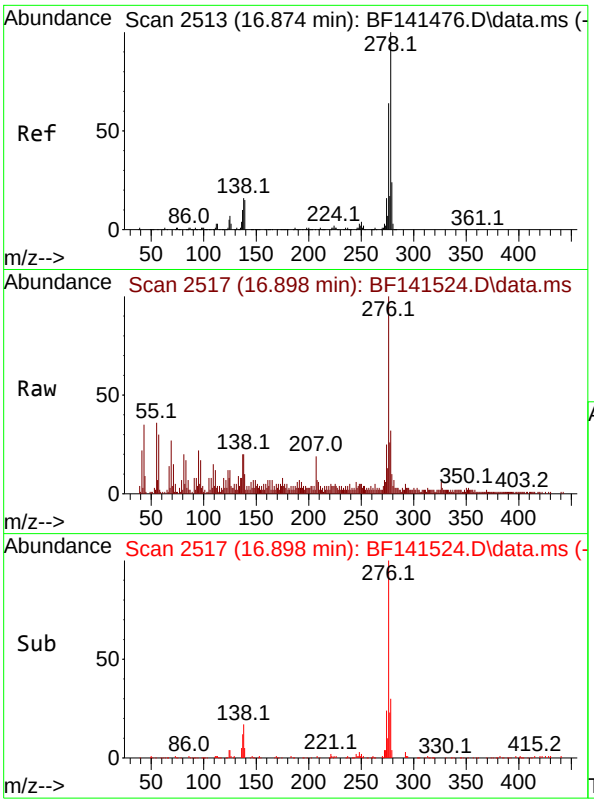


#90
Benzo(a)pyrene
Concen: 19.857 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:252 Resp: 125004

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	12.7	7.4	11.2#

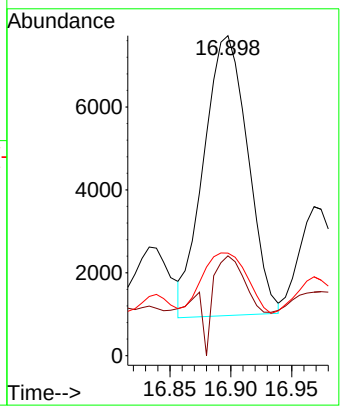




#91
Dibenzo(a,h)anthracene
Concen: 2.933 ng
RT: 16.898 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:278 Resp: 1701

Ion	Ratio	Lower	Upper
278	100		
139	31.2	11.8	17.6#
279	32.0	19.1	28.7#



Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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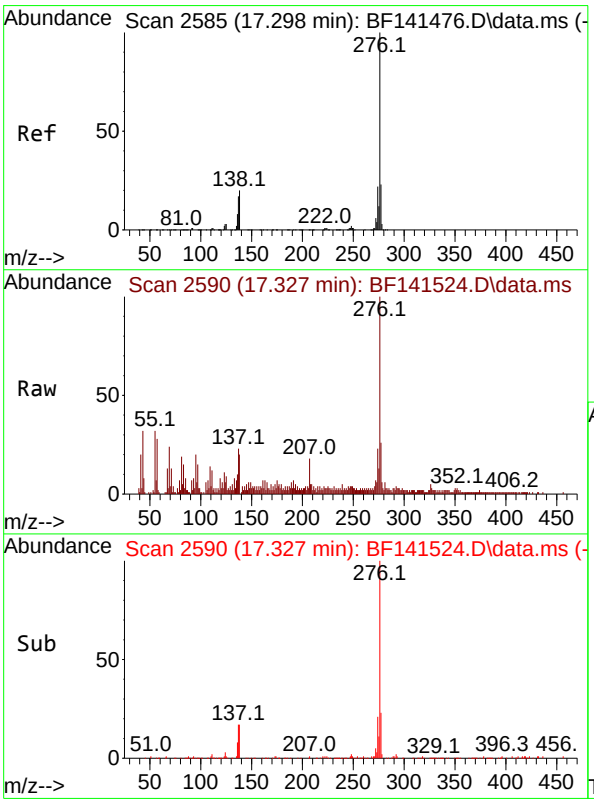
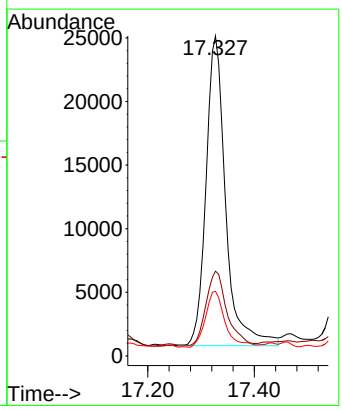


#92
Benzo(g,h,i)perylene
Concen: 10.279 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:276 Resp: 62398

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	20.2	15.9	23.9



Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141524.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	559	564	583	rVB	598508	820094	70.86%	5.268%
2	6.063	670	675	683	rVB	125298	162822	14.07%	1.046%
3	6.428	732	737	745	rBV	588311	827013	71.46%	5.312%
4	6.487	745	747	754	rVB	21035	29021	2.51%	0.186%
5	6.792	794	799	806	rBV	428810	537346	46.43%	3.451%
6	7.351	885	894	905	rBV	388939	515403	44.53%	3.310%
7	7.610	932	938	947	rVB5	9024	16540	1.43%	0.106%
8	8.075	1010	1017	1037	rVB	507472	720989	62.30%	4.631%
9	8.663	1106	1117	1121	rBV4	5995	12374	1.07%	0.079%
10	8.786	1134	1138	1145	rBV	12842	16838	1.45%	0.108%
11	8.886	1151	1155	1162	rVB	9783	12898	1.11%	0.083%
12	9.145	1194	1199	1209	rBV	740165	935520	80.84%	6.009%
13	9.486	1251	1257	1260	rBV	14396	21242	1.84%	0.136%
14	9.686	1287	1291	1296	rBV	15723	19938	1.72%	0.128%
15	9.828	1307	1315	1319	rBV	541566	692011	59.79%	4.445%
16	9.857	1319	1320	1329	rVB	53535	56508	4.88%	0.363%
17	10.033	1345	1350	1354	rVV2	28669	38481	3.33%	0.247%
18	10.375	1404	1408	1413	rVB	43533	57463	4.97%	0.369%
19	10.445	1414	1420	1421	rBV2	9183	15669	1.35%	0.101%
20	10.539	1432	1436	1443	rVB2	79746	105476	9.11%	0.677%
21	10.616	1444	1449	1461	rVV	371868	513466	44.37%	3.298%
22	10.739	1465	1470	1477	rVB3	25892	46750	4.04%	0.300%
23	10.927	1498	1502	1505	rBV4	12490	18622	1.61%	0.120%
24	11.057	1520	1524	1525	rBV3	11088	14220	1.23%	0.091%
25	11.122	1532	1535	1539	rVV	22587	25716	2.22%	0.165%
26	11.175	1539	1544	1547	rVV3	25460	51183	4.42%	0.329%
27	11.210	1547	1550	1556	rVB	36530	53753	4.64%	0.345%
28	11.316	1563	1568	1570	rBV	485265	648133	56.00%	4.163%
29	11.339	1570	1572	1577	rVV	514454	599411	51.79%	3.850%
30	11.392	1577	1581	1585	rVV	125314	168523	14.56%	1.082%
31	11.427	1585	1587	1591	rVB2	19551	23162	2.00%	0.149%
32	11.551	1602	1608	1615	rBV2	42326	104413	9.02%	0.671%
33	11.610	1615	1618	1622	rVV	23967	30997	2.68%	0.199%
34	11.816	1649	1653	1655	rBV	66739	87634	7.57%	0.563%
35	11.845	1655	1658	1663	rVV	192059	273554	23.64%	1.757%
36	11.892	1663	1666	1669	rVV	51394	83339	7.20%	0.535%

Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.933	1669	1673	1681	rVB2	128104	257570	22.26%	1.654%
38	12.116	1698	1704	1707	rBV3	48963	93808	8.11%	0.603%
39	12.263	1724	1729	1733	rBV	164972	222601	19.23%	1.430%
40	12.369	1744	1747	1751	rBV	42839	70494	6.09%	0.453%
41	12.457	1760	1762	1767	rVB4	38956	46627	4.03%	0.299%
42	12.533	1770	1775	1779	rBV	874035	1111175	96.01%	7.137%
43	12.574	1779	1782	1788	rVB3	77944	117708	10.17%	0.756%
44	12.763	1807	1814	1820	rBV	740205	1157319	100.00%	7.434%
45	12.904	1830	1838	1845	rBV	629776	947272	81.85%	6.084%
46	13.039	1858	1861	1865	rBV	163239	215704	18.64%	1.385%
47	13.086	1867	1869	1873	rVB	105017	131694	11.38%	0.846%
48	13.157	1878	1881	1883	rVV	69723	79149	6.84%	0.508%
49	13.192	1884	1887	1894	rVB3	125712	194241	16.78%	1.248%
50	13.286	1900	1903	1906	rBV2	78370	98518	8.51%	0.633%
51	13.410	1921	1924	1928	rVB	117724	142740	12.33%	0.917%
52	13.963	2012	2018	2021	rBV2	555458	1012830	87.52%	6.505%
53	15.015	2193	2197	2206	rVB	273386	569447	49.20%	3.658%
54	15.374	2255	2258	2264	rVB	196273	297600	25.71%	1.912%
55	15.439	2265	2269	2284	rVB2	203461	445890	38.53%	2.864%

Sum of corrected areas: 15568909

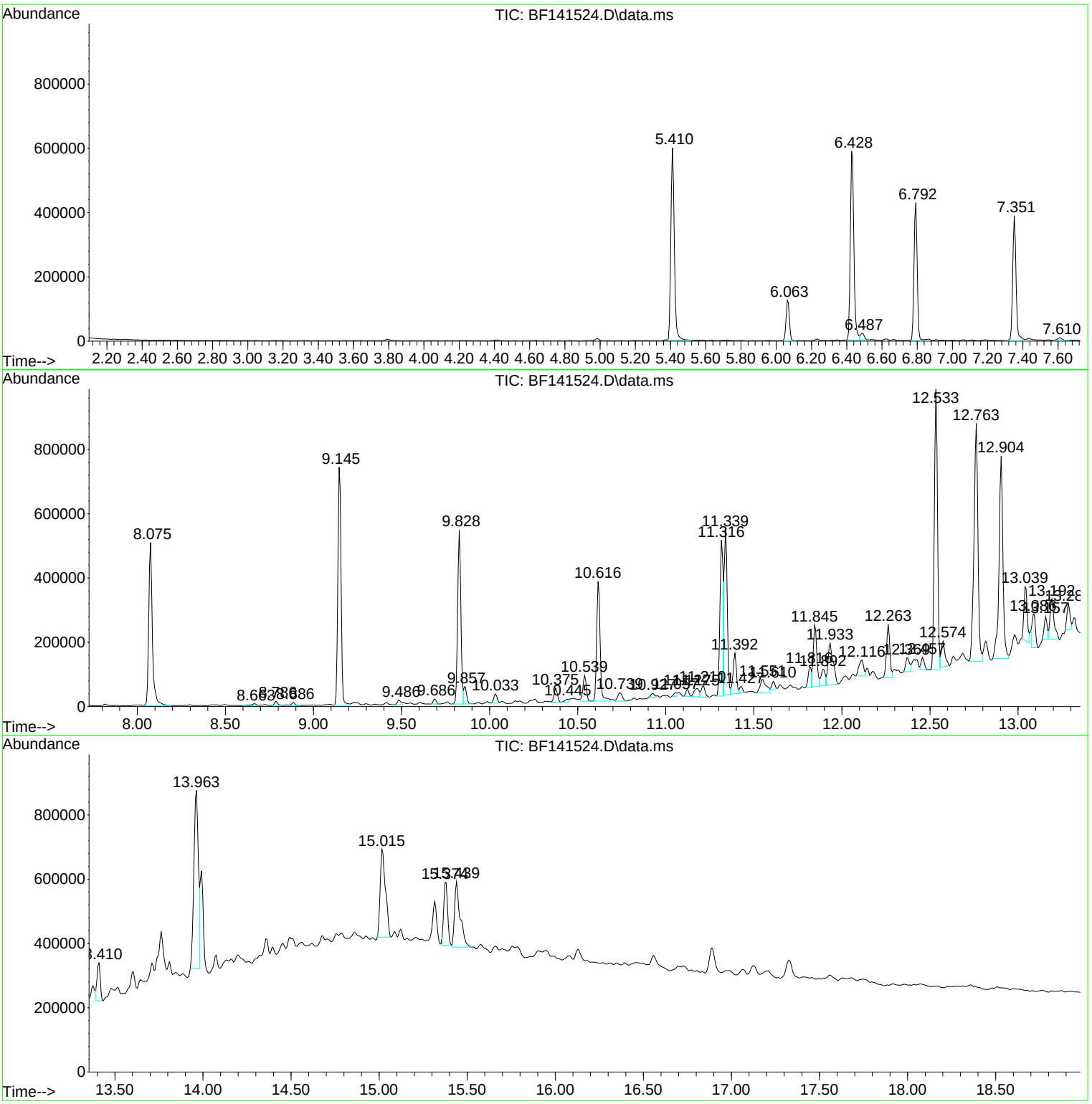
Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

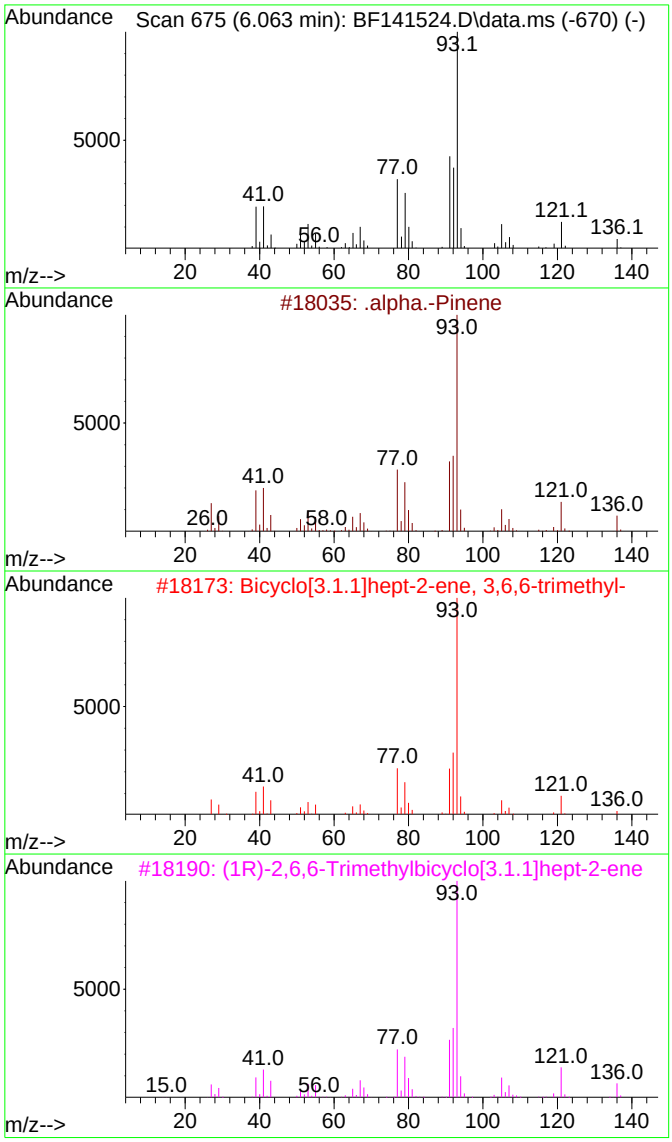
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

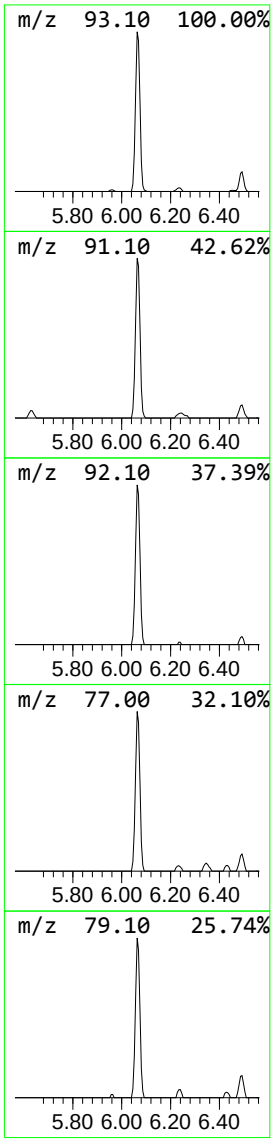
****

Peak Number 1 .alpha.-Pinene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.063	6.06 ng	162822	1,4-Dichlorobenzene-d4	6.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	95
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	91
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
5	3-Carene	136	C10H16	013466-78-9	91





Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

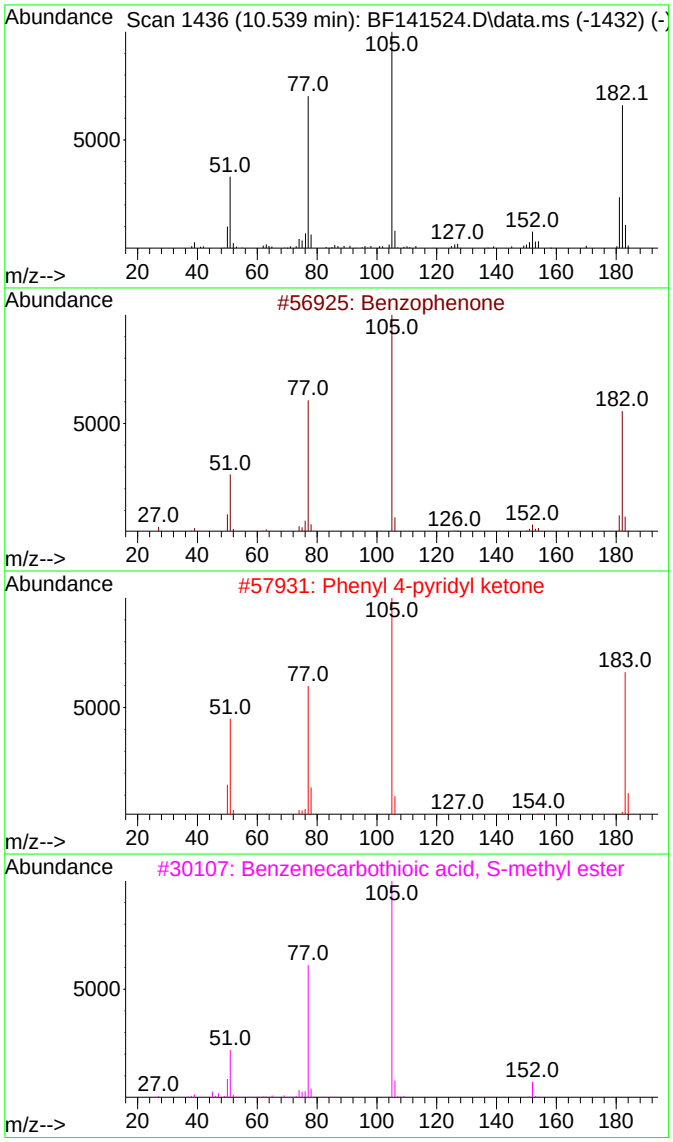
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

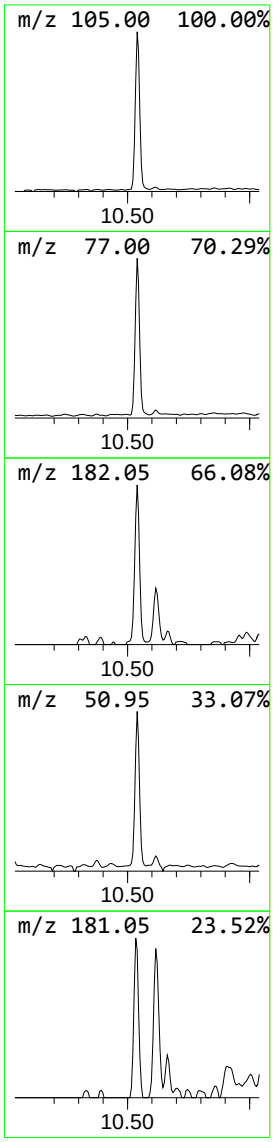
****

Peak Number 2 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	3.05 ng	105476	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
4	Benzoylformic acid	150	C8H6O3	000611-73-4	45
5	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

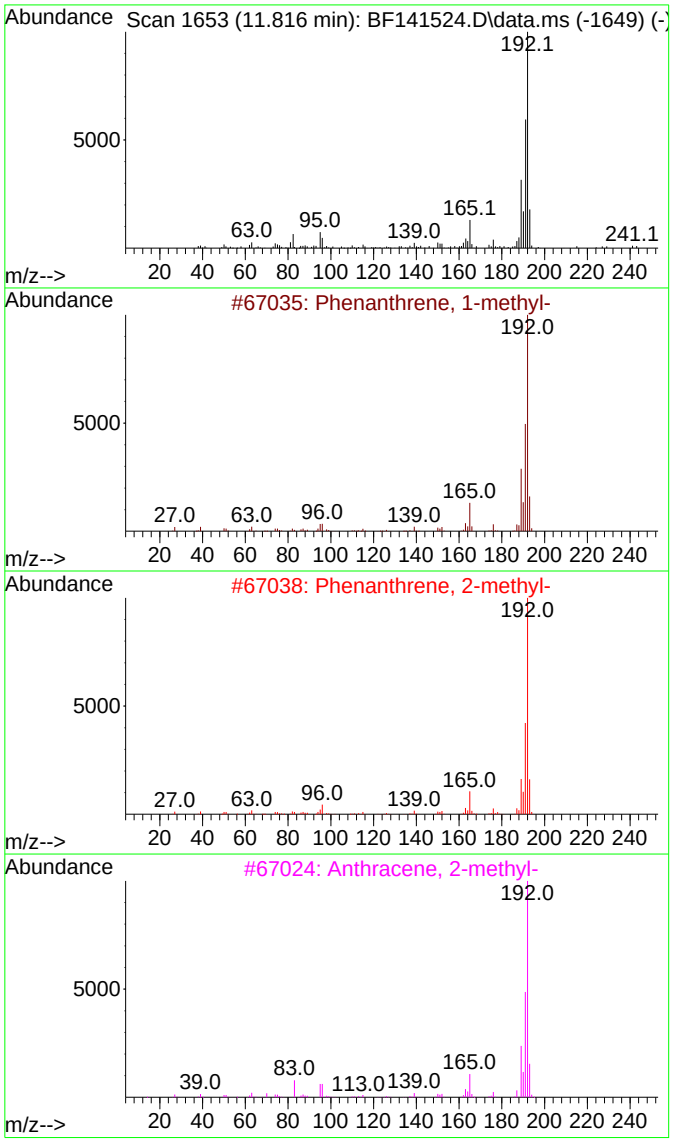
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

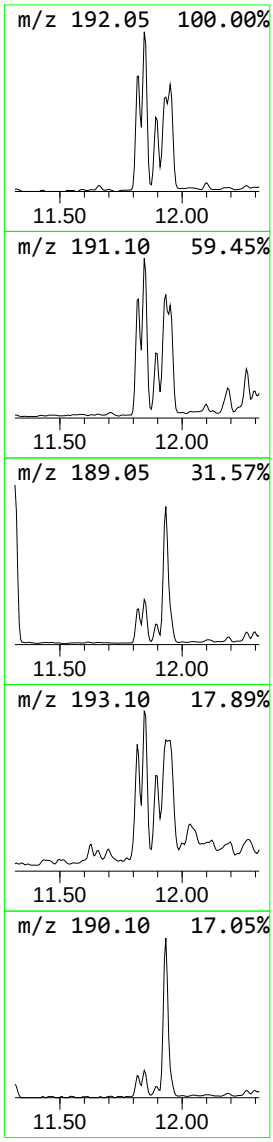
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	2.70 ng	87634	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

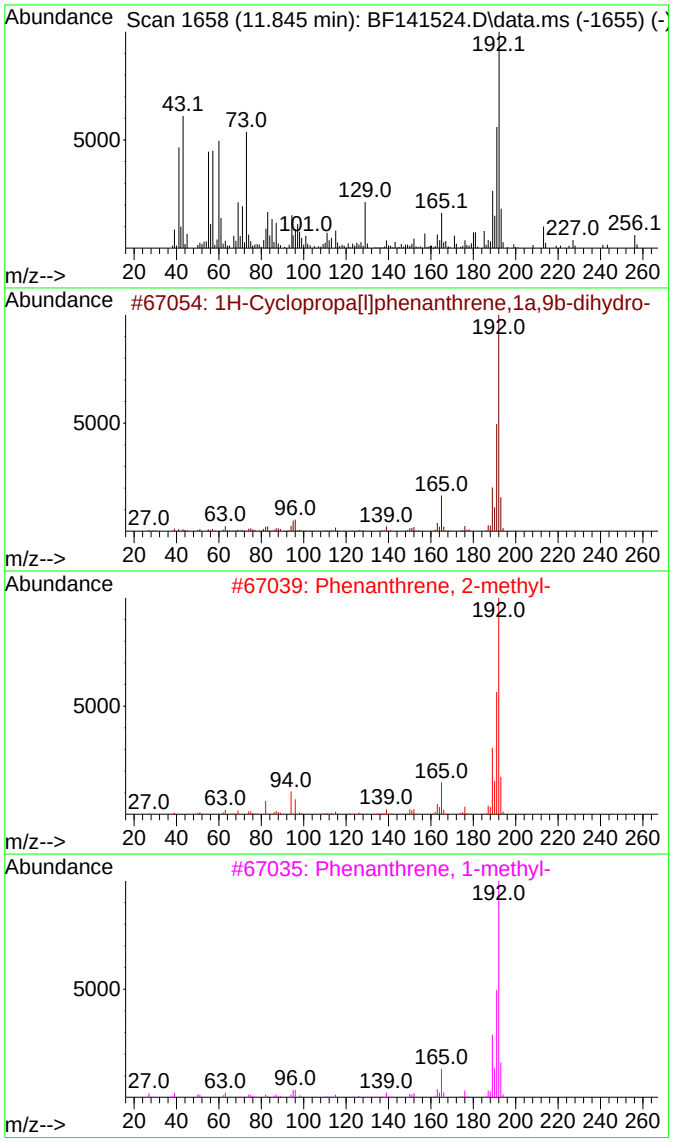
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

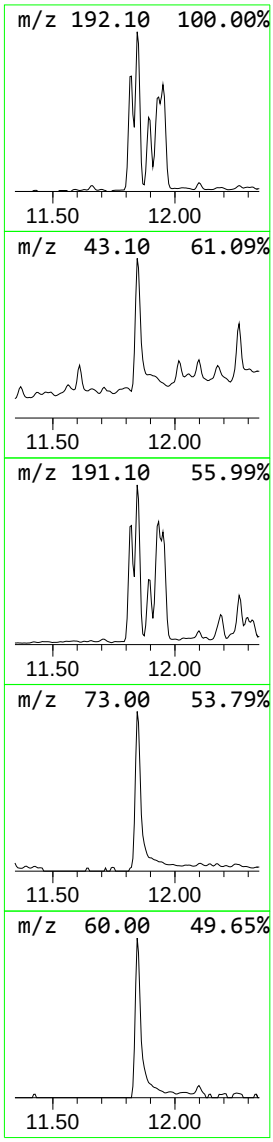
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	8.44 ng	273554	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

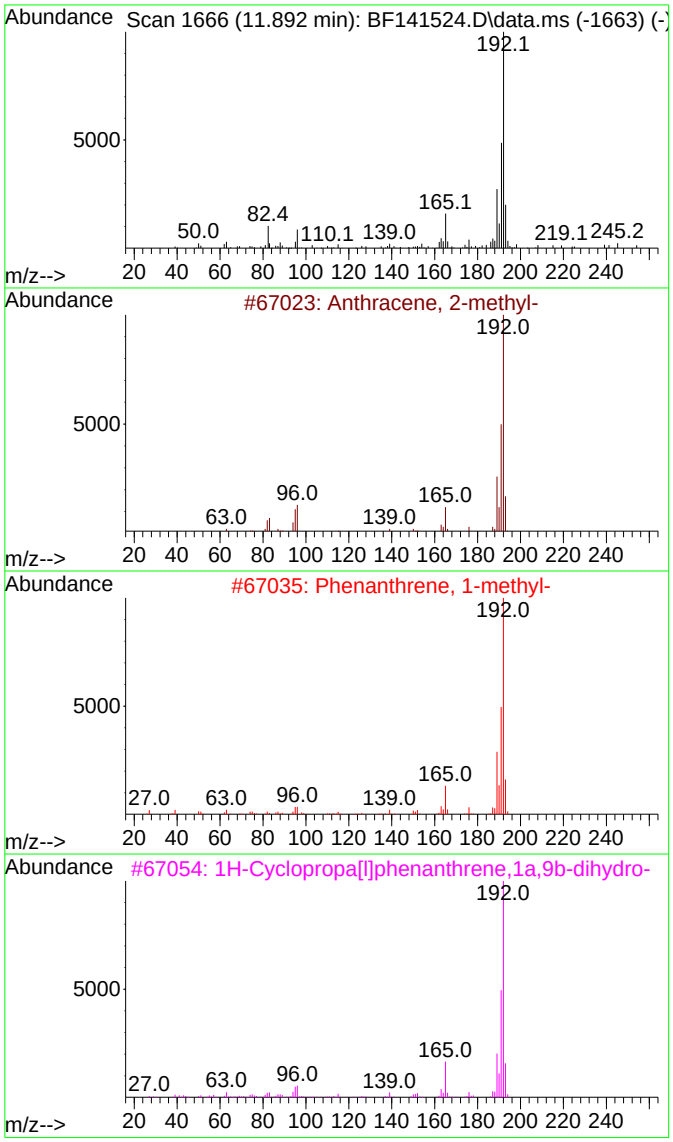
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

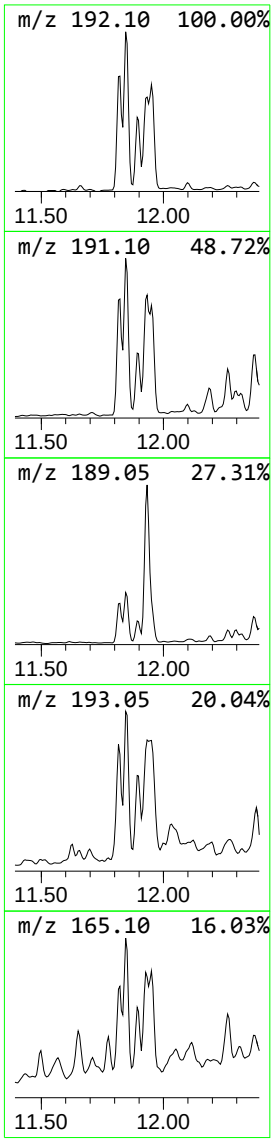
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	2.57 ng	83339	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87





Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

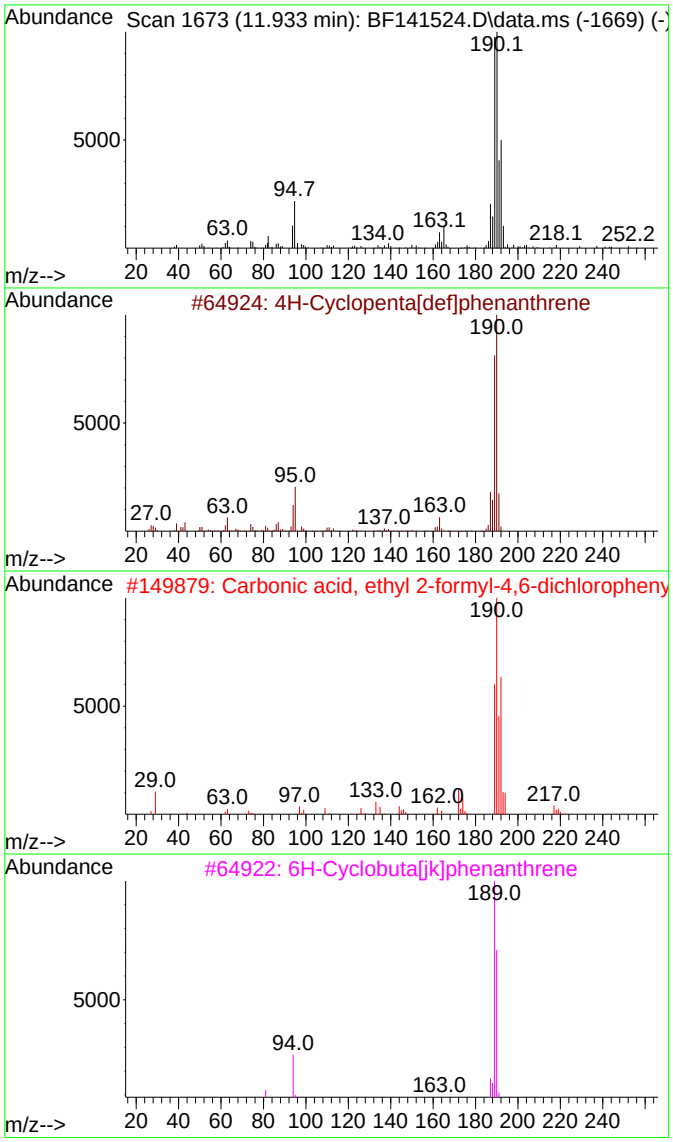
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

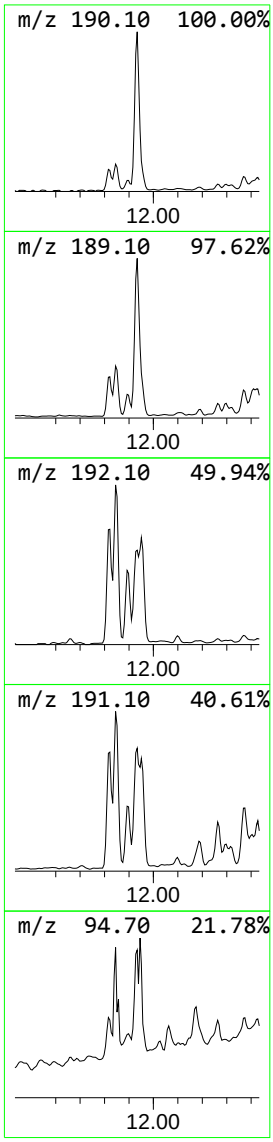
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	7.95 ng	257570	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

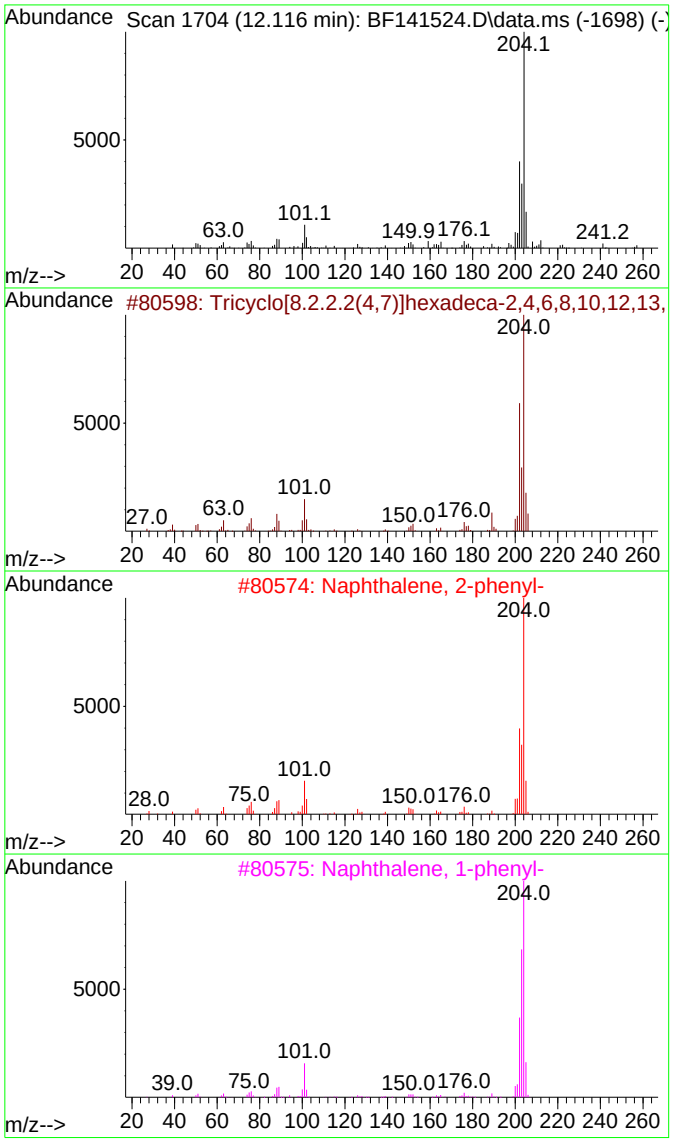
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

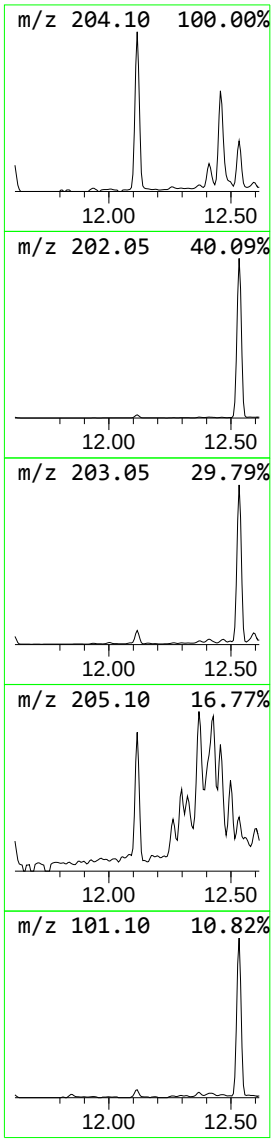
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	2.89 ng	93808	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

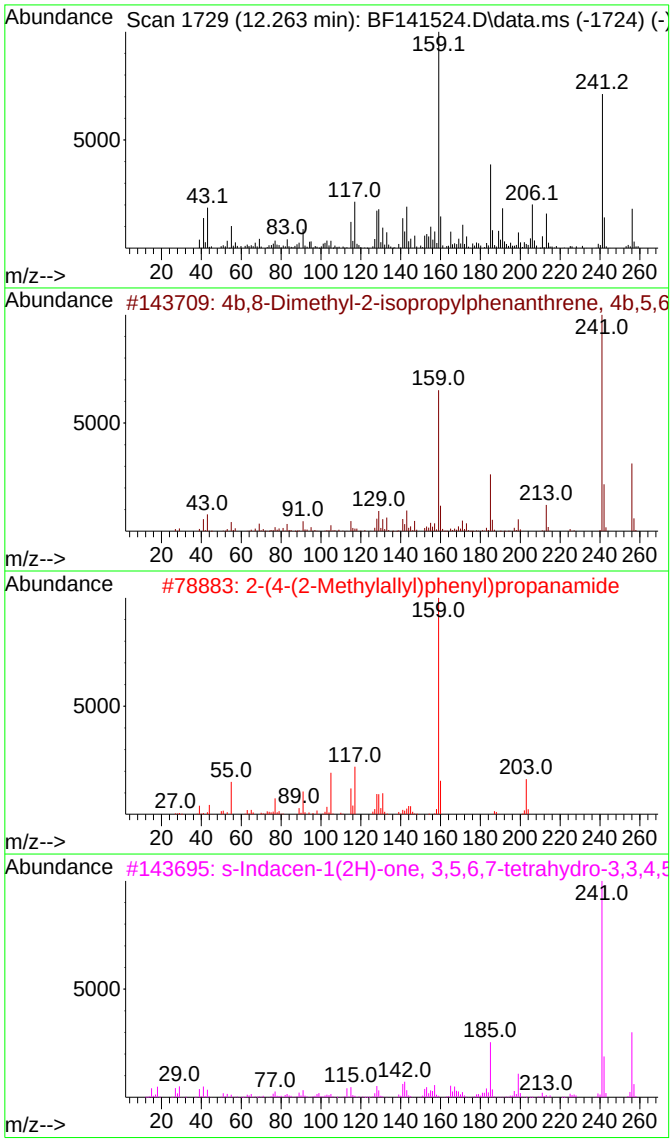
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

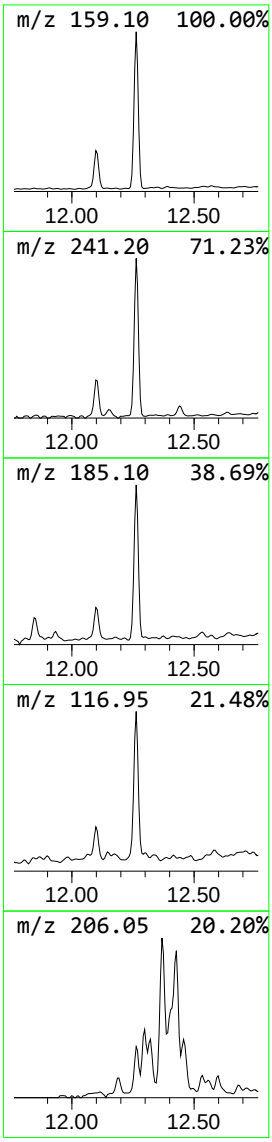
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	6.87 ng	222601	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	94
2	2-(4-(2-Methylallyl)phenyl)propa...	203	C13H17NO	1000466-10-0	38
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38
4	2-Phenylpropionic acid, 4'-(2-me...	218	C14H18O2	1010454-94-3	27
5	trans-Calamenene	202	C15H22	073209-42-4	22





Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

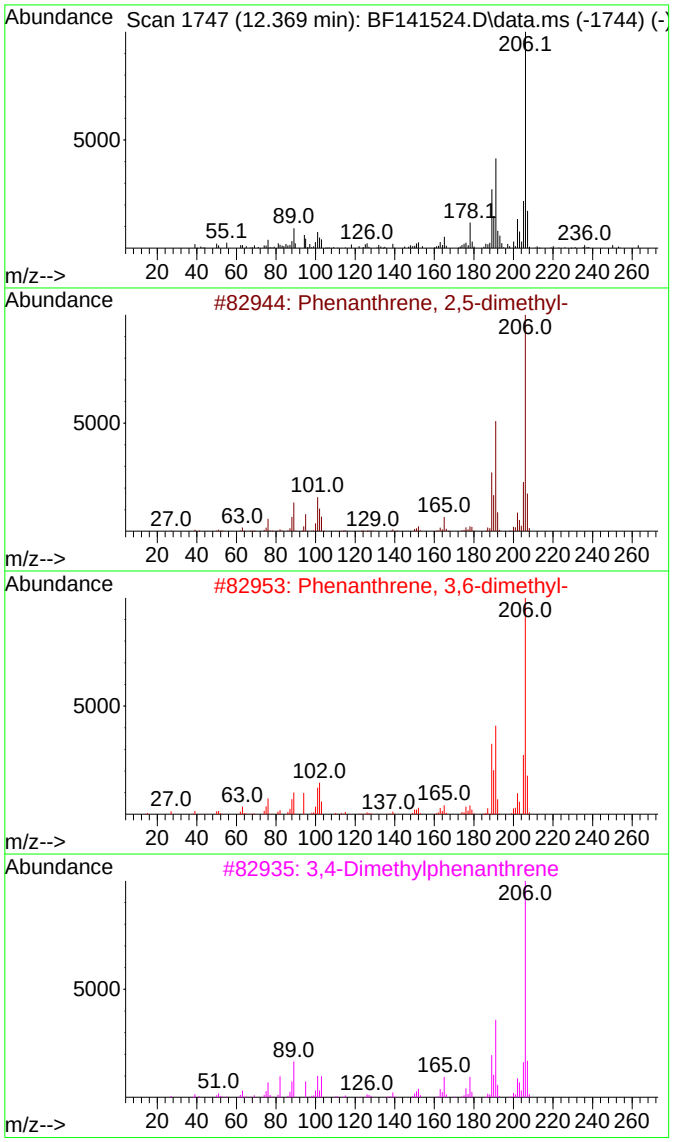
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

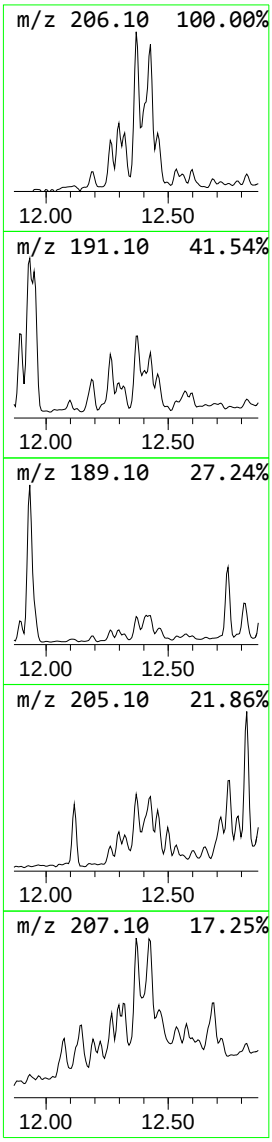
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	2.18 ng	70494	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

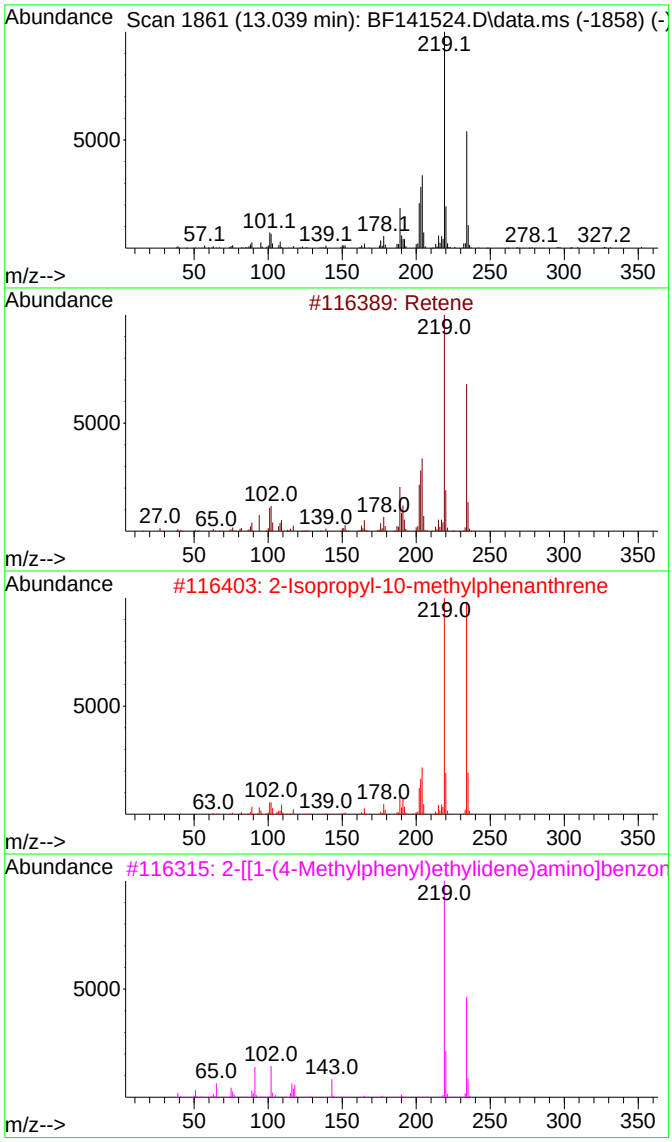
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

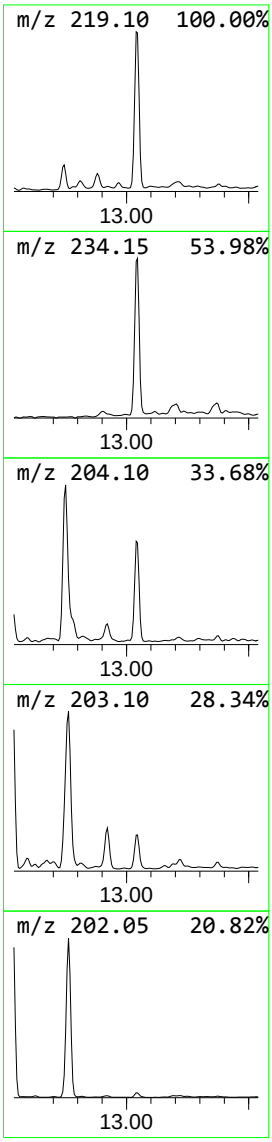
****

Peak Number 11 Retene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.039	4.26 ng	215704	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	95
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	2-[[1-(4-Methylphenyl)ethylidene...	234	C16H14N2	1000326-46-0	52
4	Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	52
5	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

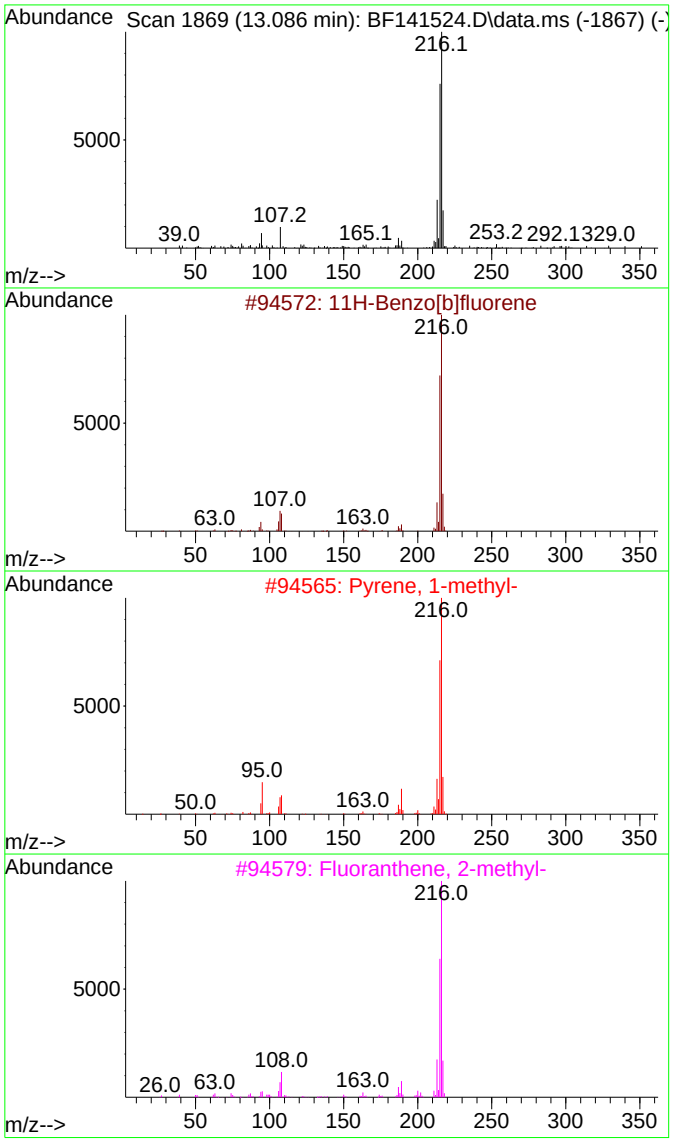
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

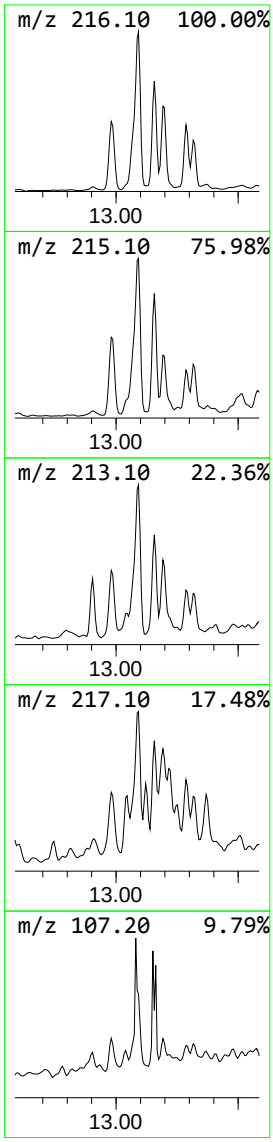
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	2.60 ng	131694	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

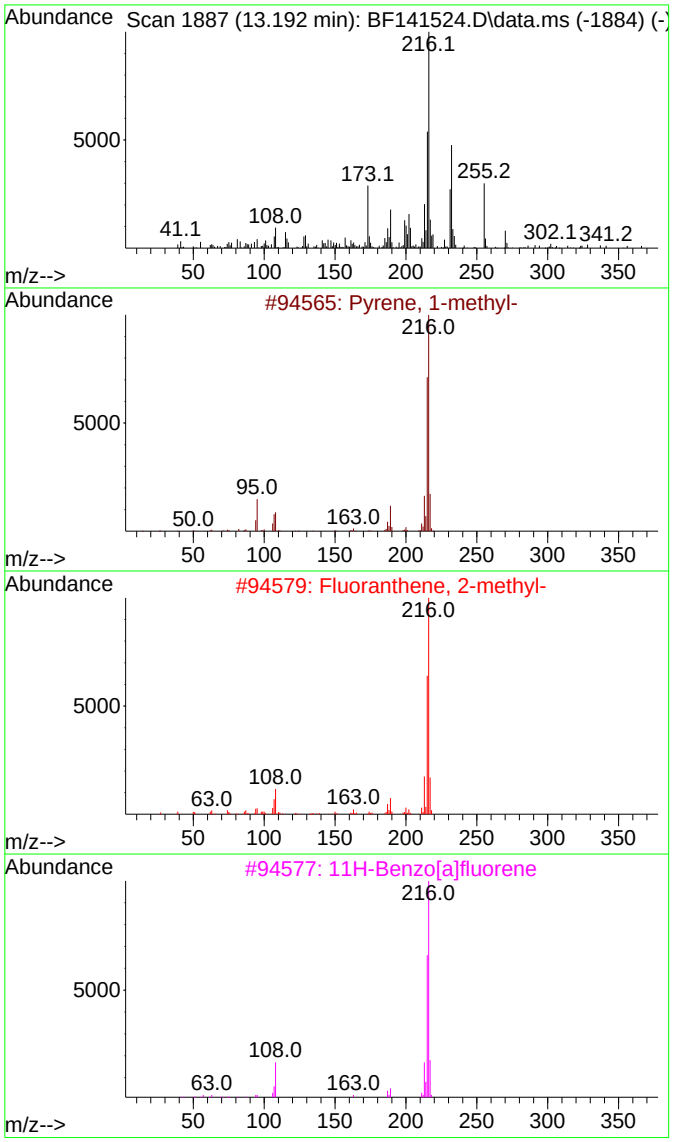
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

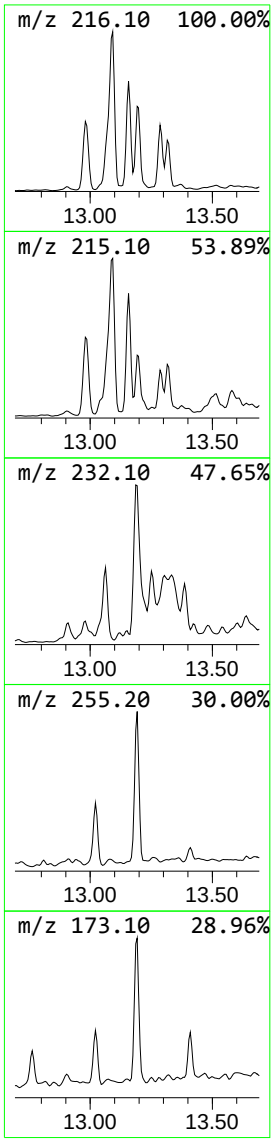
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	3.84 ng	194241	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	45
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	43
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

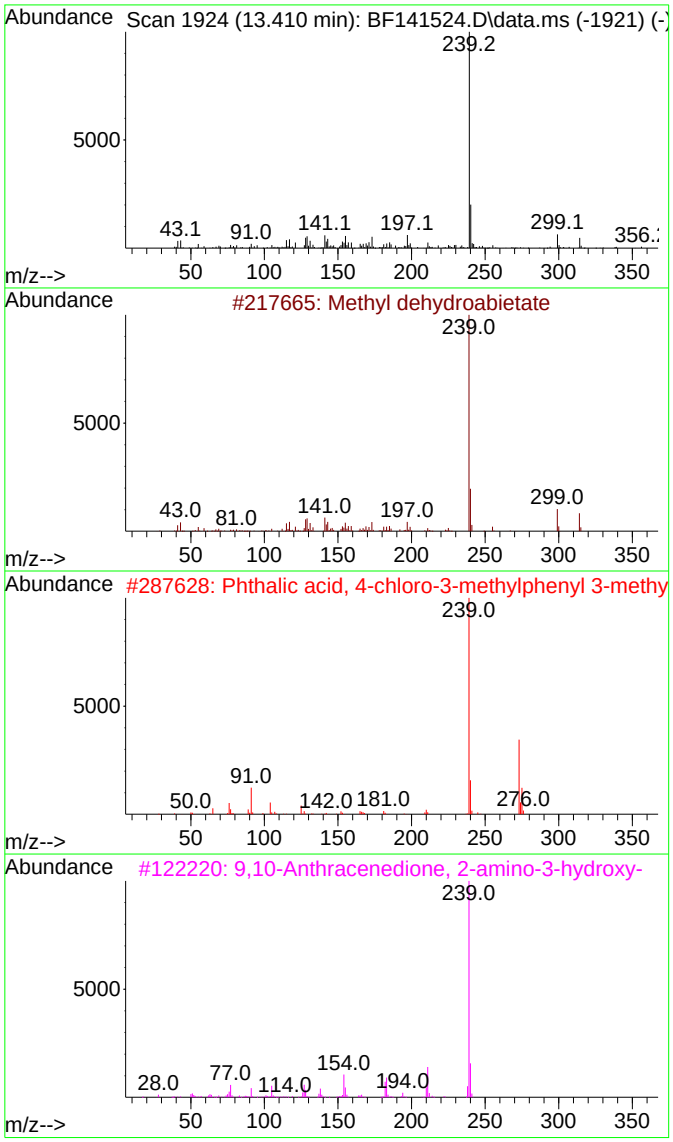
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

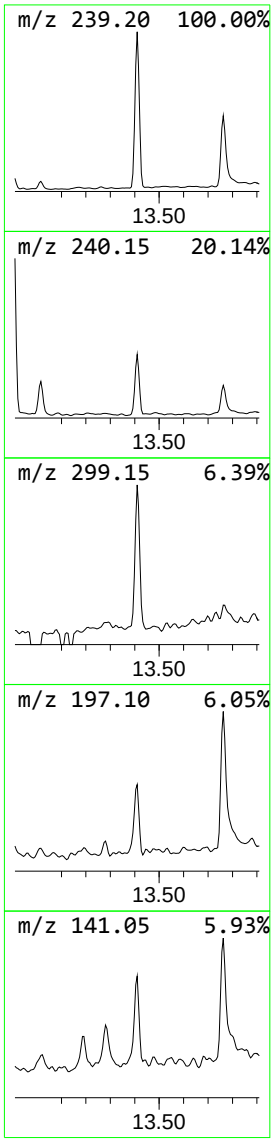
****

Peak Number 14 Methyl dehydroabietate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.410	2.82 ng	142740	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	96
2	Phthalic acid, 4-chloro-3-methyl...	380	C22H17ClO4	1010315-71-8	64
3	9,10-Anthracenedione, 2-amino-3-...	239	C14H9NO3	000117-77-1	64
4	Trimethylsilyl 2-amino-4-nitrobe...	254	C10H14N2O4Si	1000473-63-5	53
5	Phthalic acid, di(3-methylphenyl...	346	C22H18O4	1000315-37-3	50





Sample Results: **BF141524.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Pinene	6.063	6.1	ng	162822	1	6.792	537346	20.0
Benzophenone	10.539	3.0	ng	105476	3	9.828	692011	20.0
Phenanthrene, 1...	11.816	2.7	ng	87634	4	11.316	648133	20.0
1H-Cyclopropa[l...	11.845	8.4	ng	273554	4	11.316	648133	20.0
Anthracene, 2-m...	11.892	2.6	ng	83339	4	11.316	648133	20.0
4H-Cyclopenta[d...	11.933	8.0	ng	257570	4	11.316	648133	20.0
Tricyclo[8.2.2....	12.116	2.9	ng	93808	4	11.316	648133	20.0
4b,8-Dimethyl-2...	12.263	6.9	ng	222601	4	11.316	648133	20.0
Phenanthrene, 2...	12.369	2.2	ng	70494	4	11.316	648133	20.0
Retene	13.039	4.3	ng	215704	5	13.969	1012830	20.0
11H-Benzo[b]flu...	13.086	2.6	ng	131694	5	13.969	1012830	20.0
Pyrene, 1-methyl-	13.192	3.8	ng	194241	5	13.969	1012830	20.0
Methyl dehydroa...	13.410	2.8	ng	142740	5	13.969	1012830	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF1412
97.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.600	0.603	0.597	0.538	0.574	0.569	0.530	0.573	5.19
3)		Pyridine		1.364	1.410	1.450	1.320	1.394	1.404	1.322	1.380	3.46
4)		n-Nitrosodimet...		0.770	0.789	0.824	0.751	0.803	0.813	0.771	0.789	3.32
5)	S	2-Fluorophenol		1.428	1.391	1.402	1.201	1.267	1.268	1.163	1.303	8.03
6)		Aniline		1.480	1.511	1.542	1.359	1.404	1.350	1.174	1.403	8.93
7)	S	Phenol-d6		1.841	1.800	1.743	1.520	1.611	1.611	1.475	1.657	8.47
8)		2-Chlorophenol		1.535	1.510	1.487	1.297	1.353	1.355	1.237	1.396	8.24
9)		Benzaldehyde		1.166	1.130	1.104	0.895	0.861	0.837	0.727	0.960	17.81
10)	C	Phenol		1.938	1.879	1.884	1.643	1.696	1.704	1.554	1.757	8.22
11)		bis(2-Chloroet...		1.478	1.413	1.426	1.232	1.299	1.329	1.253	1.347	6.93
12)		1,3-Dichlorobe...		1.697	1.668	1.648	1.429	1.499	1.474	1.362	1.540	8.49
13)	C	1,4-Dichlorobe...		1.719	1.663	1.659	1.432	1.502	1.487	1.365	1.547	8.66
14)		1,2-Dichlorobe...		1.629	1.609	1.565	1.338	1.392	1.366	1.240	1.448	10.46
15)		Benzyl Alcohol		1.138	1.201	1.216	1.082	1.137	1.125	1.028	1.133	5.72
16)		2,2'-oxybis(1-...		2.533	2.484	2.495	2.189	2.296	2.287	2.112	2.342	7.01
17)		2-Methylphenol		1.237	1.175	1.210	1.042	1.107	1.120	1.053	1.135	6.62
18)		Hexachloroethane		0.609	0.612	0.610	0.530	0.560	0.561	0.513	0.571	7.09
19)	P	n-Nitroso-di-n...	1.084	1.052	1.060	1.032	0.895	0.936	0.945	0.874	0.985	8.27
20)		3+4-Methylphenols		1.561	1.564	1.502	1.287	1.331	1.323	1.186	1.393	10.65
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.547	0.523	0.517	0.436	0.449	0.443	0.412	0.475	11.06
23)	S	Nitrobenzene-d5		0.405	0.396	0.406	0.354	0.373	0.373	0.349	0.379	6.14
24)		Nitrobenzene		0.418	0.411	0.420	0.371	0.385	0.389	0.358	0.393	6.14
25)		Isophorone		0.698	0.685	0.694	0.611	0.640	0.648	0.615	0.656	5.62
26)	C	2-Nitrophenol		0.176	0.187	0.199	0.177	0.189	0.191	0.179	0.185	4.66
27)		2,4-Dimethylph...		0.244	0.239	0.249	0.224	0.235	0.238	0.223	0.236	4.12
28)		bis(2-Chloroet...		0.454	0.440	0.445	0.389	0.405	0.411	0.384	0.418	6.70
29)	C	2,4-Dichloroph...		0.307	0.300	0.312	0.271	0.284	0.286	0.262	0.289	6.39
30)		1,2,4-Trichlor...		0.372	0.354	0.354	0.304	0.318	0.316	0.292	0.330	9.11
31)		Naphthalene		1.193	1.145	1.140	0.976	1.020	1.002	0.919	1.057	9.72
32)		Benzoic acid		0.140	0.178	0.238	0.221	0.241	0.259	0.242	0.217	19.59
33)		4-Chloroaniline		0.382	0.378	0.391	0.338	0.351	0.349	0.318	0.358	7.38
34)	C	Hexachlorobuta...		0.209	0.207	0.209	0.179	0.190	0.187	0.174	0.194	7.52
35)		Caprolactam		0.097	0.095	0.102	0.089	0.094	0.096	0.089	0.094	4.89
36)	C	4-Chloro-3-met...		0.328	0.328	0.334	0.287	0.301	0.307	0.283	0.310	6.71
37)		2-Methylnaphth...		0.755	0.732	0.724	0.624	0.643	0.639	0.583	0.672	9.68
38)		1-Methylnaphth...		0.757	0.723	0.711	0.606	0.625	0.623	0.573	0.660	10.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.613	0.603	0.534	0.555	0.551	0.512	0.569	7.25
41)	P	Hexachlorocycl...	0.136	0.157	0.174	0.172	0.182	0.181	0.174	0.168	9.69
42)	S	2,4,6-Tribromo...	0.198	0.198	0.198	0.173	0.175	0.179	0.163	0.183	7.98
43)	C	2,4,6-Trichlor...	0.381	0.380	0.390	0.364	0.375	0.369	0.347	0.372	3.79
44)		2,4,5-Trichlor...	0.429	0.425	0.429	0.377	0.391	0.403	0.383	0.405	5.50
45)	S	2-Fluorobiphenyl	1.597	1.464	1.398	1.184	1.202	1.168	1.083	1.299	14.48
46)		1,1'-Biphenyl	1.810	1.692	1.650	1.454	1.492	1.460	1.360	1.560	10.27
47)		2-Chloronaphth...	1.396	1.310	1.290	1.122	1.159	1.156	1.077	1.216	9.59
48)		2-Nitroaniline	0.386	0.389	0.407	0.364	0.382	0.385	0.364	0.382	3.91
49)		Acenaphthylene	1.921	1.854	1.815	1.595	1.620	1.612	1.495	1.702	9.38
50)		Dimethylphthalate	1.498	1.456	1.445	1.239	1.299	1.296	1.223	1.351	8.34
51)		2,6-Dinitrotol...	0.333	0.331	0.333	0.296	0.304	0.309	0.290	0.314	5.90
52)	C	Acenaphthene	1.361	1.300	1.291	1.128	1.170	1.180	1.079	1.216	8.46
53)		3-Nitroaniline	0.321	0.330	0.341	0.303	0.293	0.298	0.264	0.307	8.44
54)	P	2,4-Dinitrophenol		0.102	0.136	0.147	0.156	0.169	0.164	0.146	16.81
55)		Dibenzofuran	1.869	1.788	1.755	1.518	1.525	1.539	1.398	1.627	10.72
56)	P	4-Nitrophenol	0.187	0.215	0.251	0.224	0.231	0.244	0.222	0.225	9.21
57)		2,4-Dinitrotol...	0.424	0.431	0.443	0.386	0.392	0.404	0.362	0.406	7.03
58)		Fluorene	1.512	1.410	1.353	1.167	1.164	1.172	1.059	1.262	12.96
59)		2,3,4,6-Tetrac...	0.325	0.343	0.341	0.304	0.305	0.324	0.291	0.319	6.11
60)		Diethylphthalate	1.470	1.417	1.412	1.225	1.238	1.260	1.146	1.310	9.32
61)		4-Chlorophenyl...	0.738	0.694	0.659	0.567	0.565	0.571	0.522	0.617	13.04
62)		4-Nitroaniline	0.297	0.312	0.330	0.290	0.294	0.311	0.281	0.302	5.45
63)		Azobenzene	1.464	1.411	1.390	1.224	1.249	1.276	1.162	1.311	8.51
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.105	0.122	0.125	0.131	0.134	0.131	0.118	16.29
66)	c	n-Nitrosodiphe...	0.716	0.684	0.674	0.626	0.622	0.614	0.593	0.647	6.89
67)		4-Bromophenyl-...	0.235	0.234	0.234	0.217	0.218	0.220	0.210	0.224	4.57
68)		Hexachlorobenzene	0.257	0.250	0.248	0.229	0.229	0.232	0.217	0.238	6.07
69)		Atrazine	0.211	0.202	0.213	0.213	0.215	0.235	0.224	0.216	4.86
70)	C	Pentachlorophenol	0.112	0.136	0.146	0.143	0.146	0.149	0.141	0.139	9.08
71)		Phenanthrene	1.233	1.170	1.142	1.025	1.008	1.010	0.937	1.075	9.96
72)		Anthracene	1.179	1.146	1.120	1.009	0.999	0.996	0.924	1.053	9.00
73)		Carbazole	1.019	1.014	1.021	0.899	0.878	0.900	0.807	0.934	9.04
74)		Di-n-butylphth...	1.244	1.239	1.245	1.086	1.051	1.081	0.978	1.132	9.65
75)	C	Fluoranthene	1.195	1.202	1.196	1.013	0.963	0.982	0.880	1.062	12.57
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.882	0.480	0.210	0.730	0.906	0.724	0.556	0.641	38.34
78)		Pyrene	2.178	2.063	2.002	1.754	1.870	1.898	1.674	1.920	9.14
79)	S	Terphenyl-d14	1.543	1.411	1.370	1.183	1.238	1.230	1.103	1.297	11.68
80)		Butylbenzylpht...	0.686	0.690	0.739	0.626	0.657	0.688	0.610	0.671	6.49
81)		Benzo(a)anthra...	1.532	1.410	1.453	1.270	1.375	1.355	1.265	1.380	6.96
82)		3,3'-Dichlorob...	0.412	0.422	0.427	0.418	0.478	0.466	0.449	0.439	5.82
83)		Chrysene	1.332	1.325	1.342	1.136	1.267	1.243	1.210	1.265	5.98
84)		Bis(2-ethylhex...	0.882	0.903	0.956	0.785	0.831	0.834	0.764	0.851	7.93
85)	c	Di-n-octyl pht...	1.194	1.267	1.438	1.230	1.365	1.406	1.352	1.321	6.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.217	1.268	1.337	1.257	1.348	1.322	1.287	1.291	3.67
88)		Benzo(b)fluora...	1.358	1.382	1.328	1.120	1.265	1.218	1.136	1.258	8.33
89)		Benzo(k)fluora...	1.167	1.114	1.274	1.083	1.049	1.060	1.054	1.114	7.32
90)	C	Benzo(a)pyrene	1.118	1.059	1.131	1.011	1.061	1.051	1.010	1.063	4.44
91)		Dibenzo(a,h)an...	0.966	1.001	1.101	1.016	1.087	1.071	1.028	1.039	4.73
92)		Benzo(g,h,i)pe...	1.011	1.075	1.139	1.043	1.123	1.105	1.063	1.080	4.22

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	137039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	552749	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	301993	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536934	20.000	ng	0.00
76) Chrysene-d12	13.963	240	311885	20.000	ng	0.00
86) Perylene-d12	15.427	264	276754	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.198	70	18566	2.764	ng	99

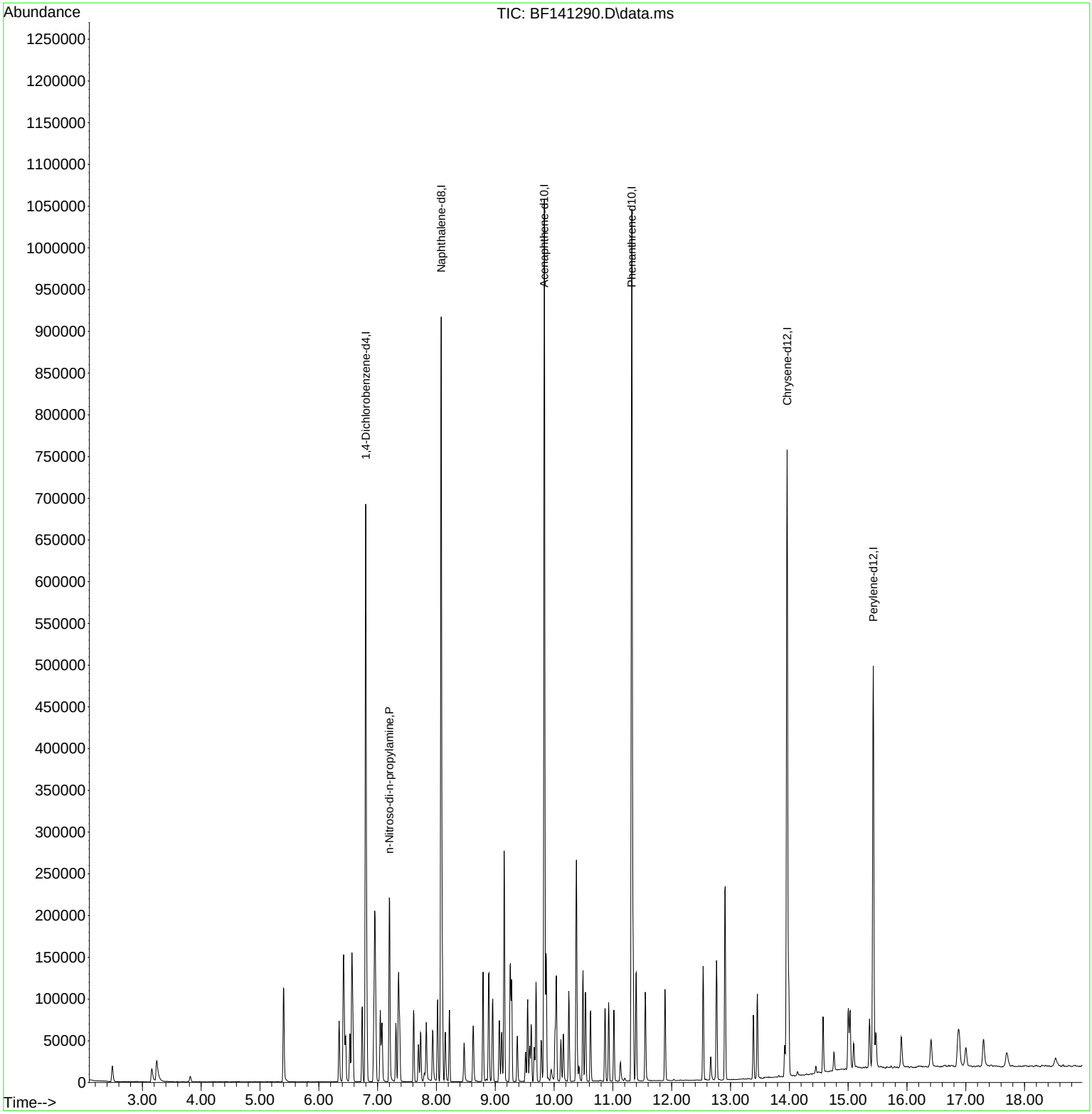
(#) = qualifier out of range (m) = manual integration (+) = signals summed

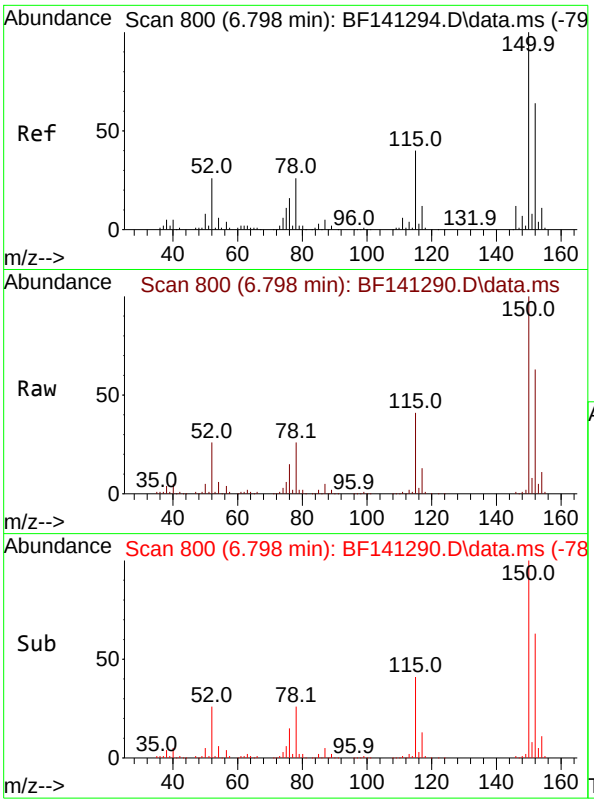
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



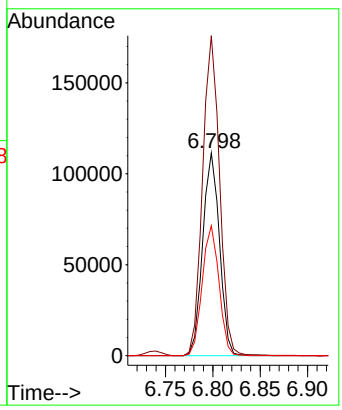


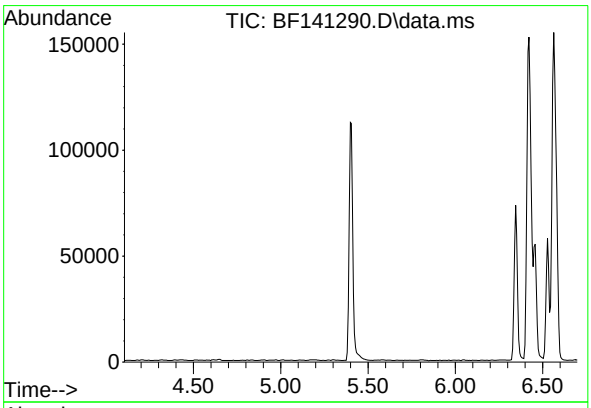
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 137039

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.9	188.9
115	64.0	49.7	74.5



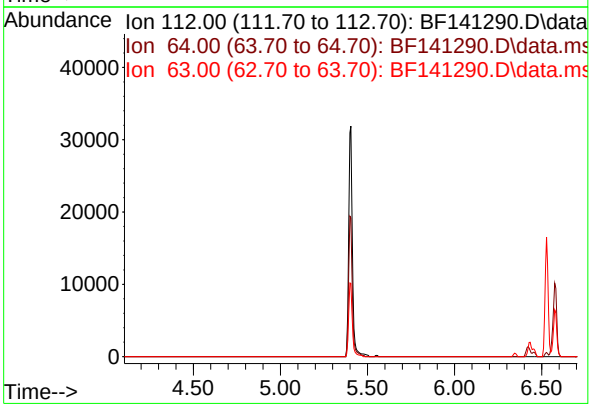


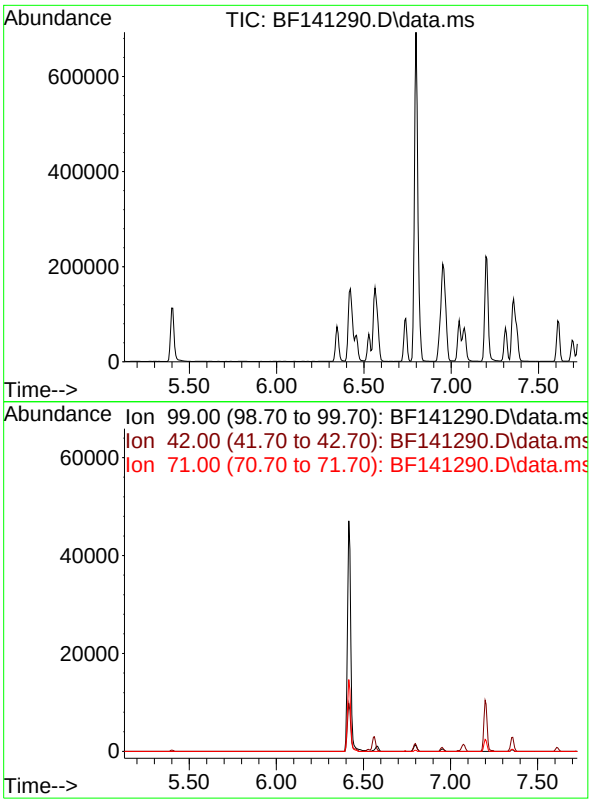
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.3
63	32.6





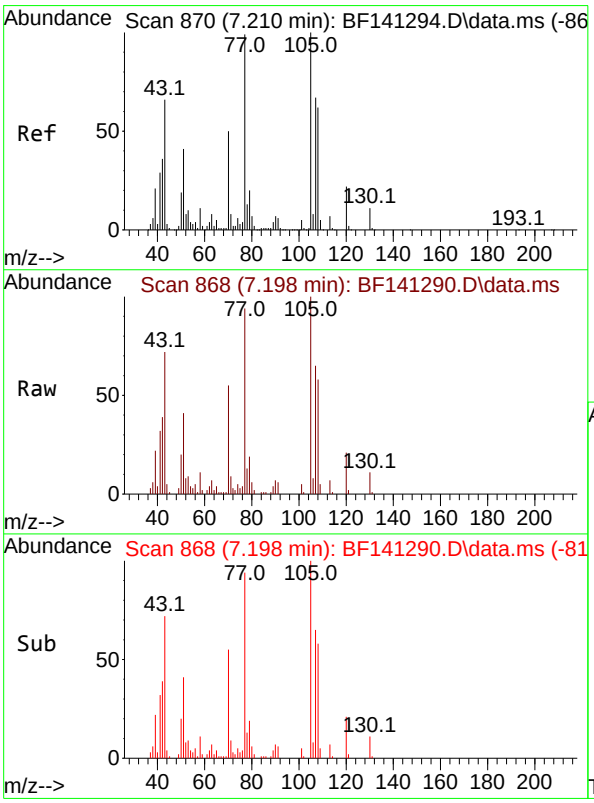
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.43 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

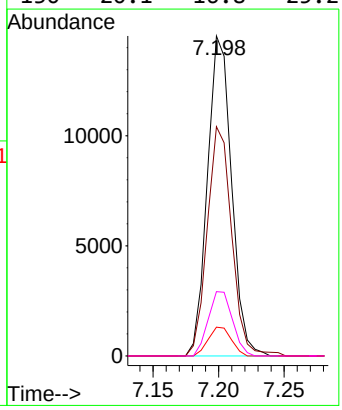
Sig	Exp Ratio
99	100
42	21.4
71	33.6

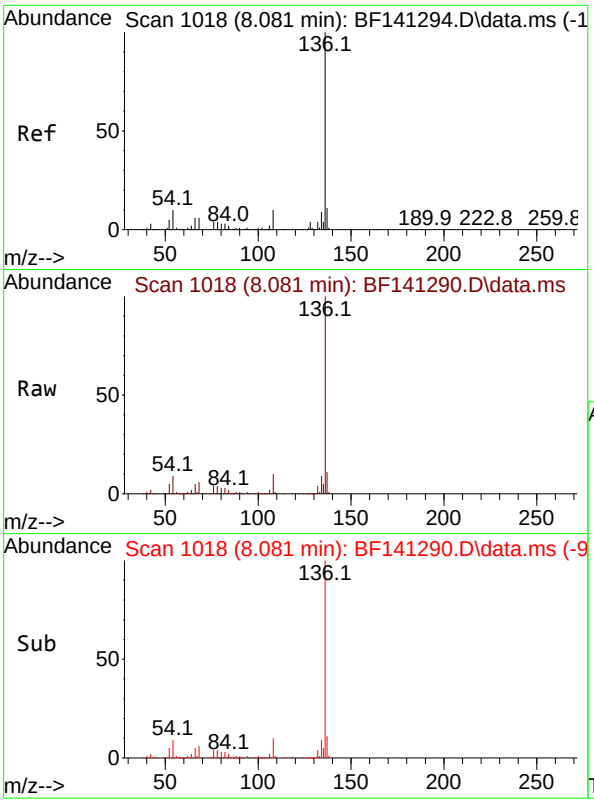


#19
n-Nitroso-di-n-propylamine
Concen: 2.764 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

Ion	Ratio	Lower	Upper
70	100		
42	71.6	56.8	85.2
101	9.0	7.7	11.5
130	20.1	16.8	25.2



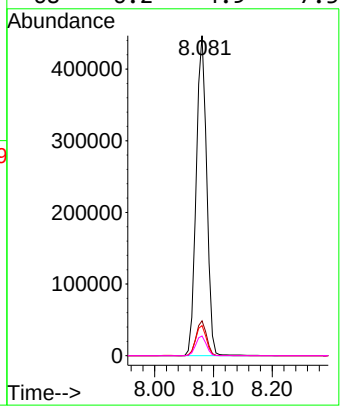


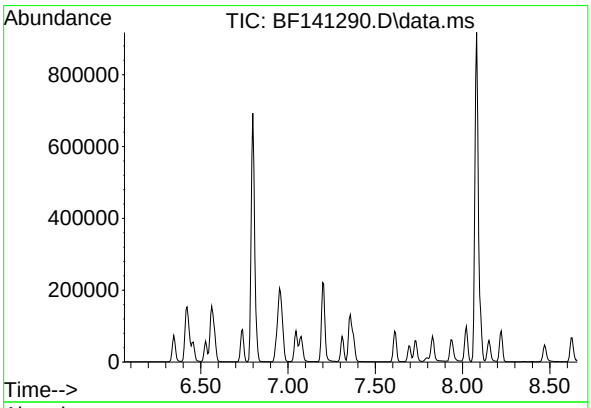
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 552749

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.4	7.8	11.8
68	6.2	4.9	7.3



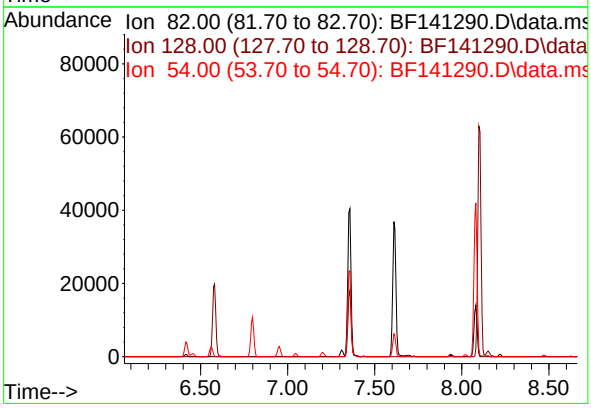


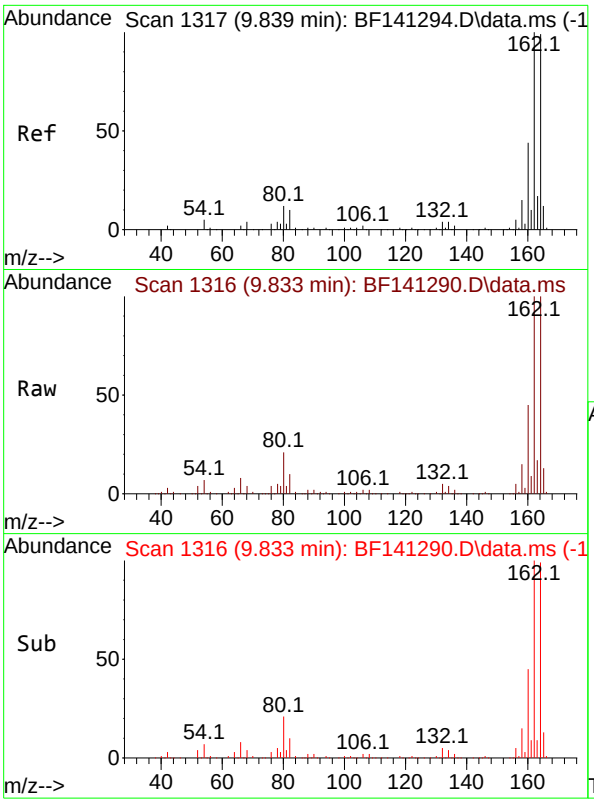
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.6
54	58.9



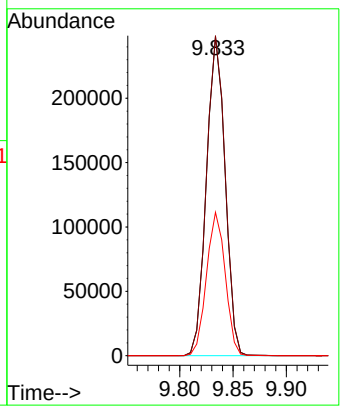


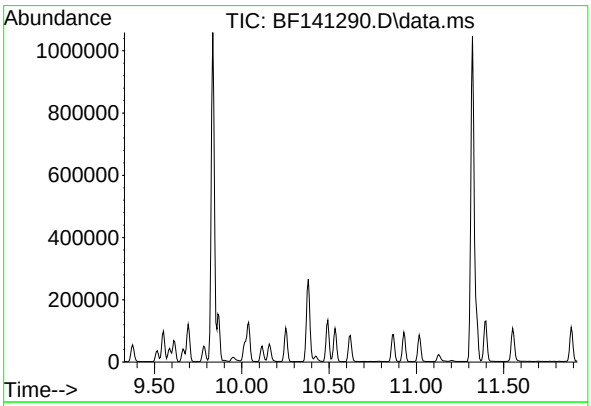
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 301993

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.9	35.8	53.6



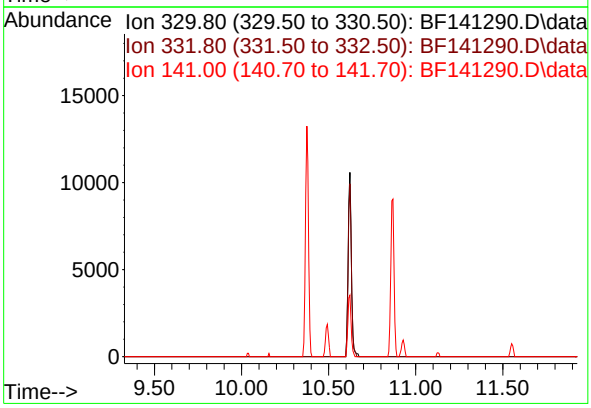


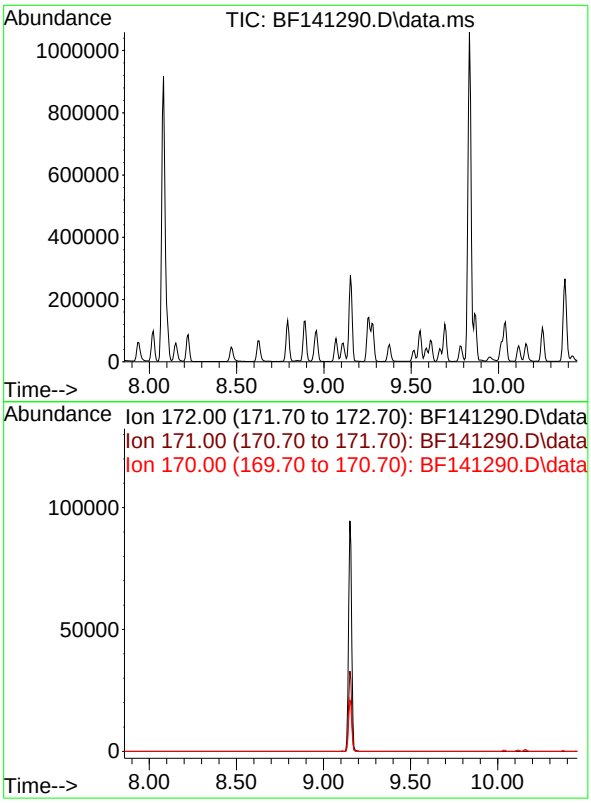
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.1
141	36.0





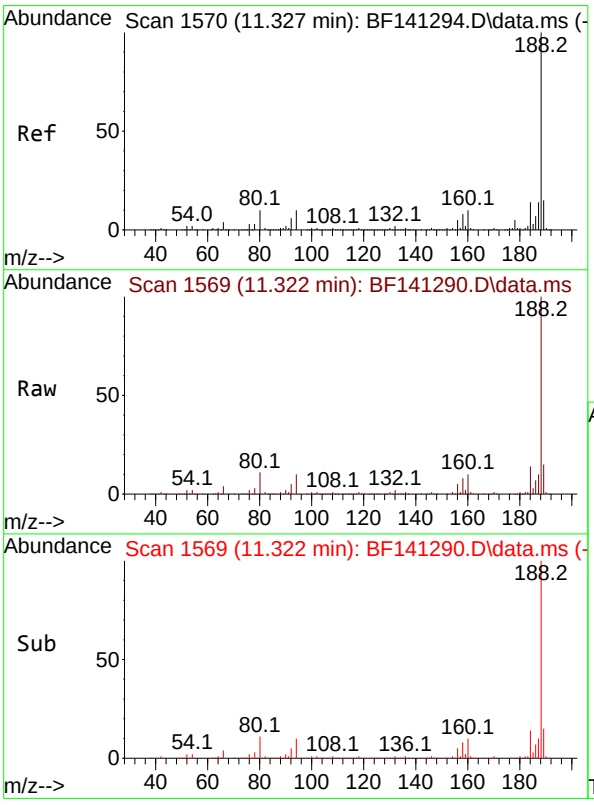
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.16 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

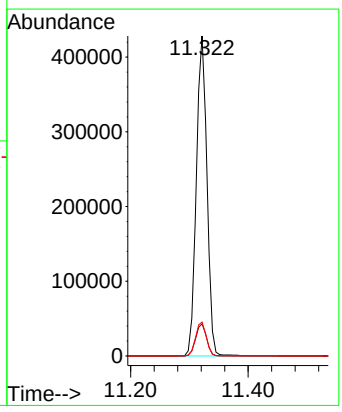
Sig	Exp Ratio
172	100
171	36.0
170	23.8

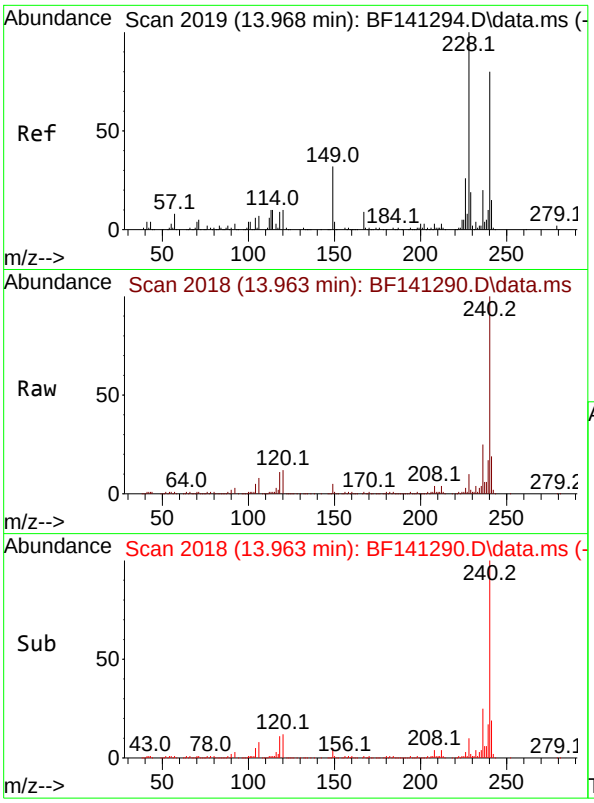


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion:188 Resp: 536934

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.6	8.2	12.4



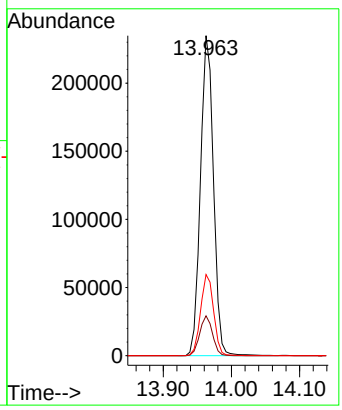


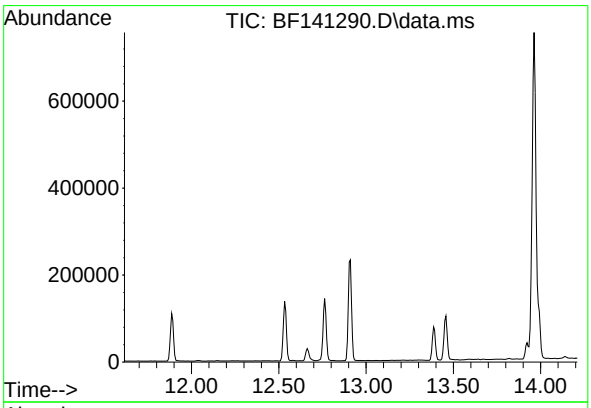
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 311885

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	25.3	19.7	29.5



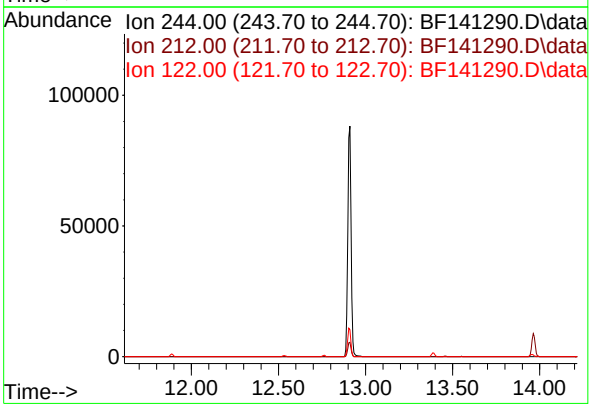


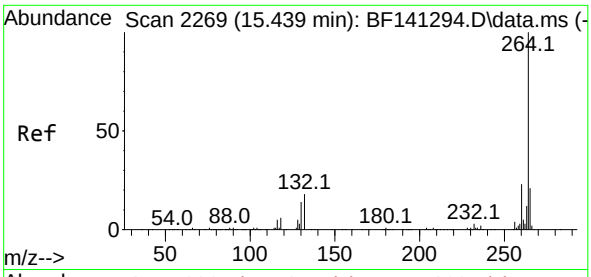
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.92 min

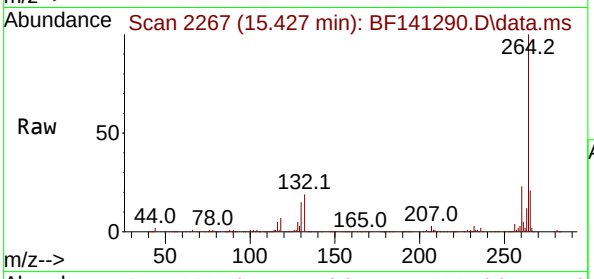
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

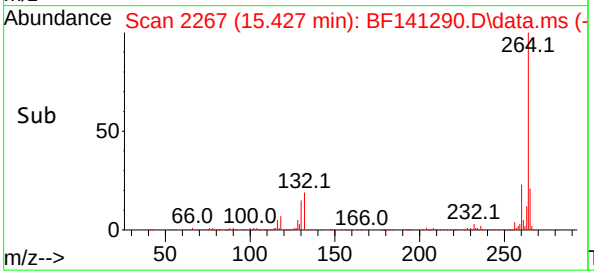
Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.7
122	11.0







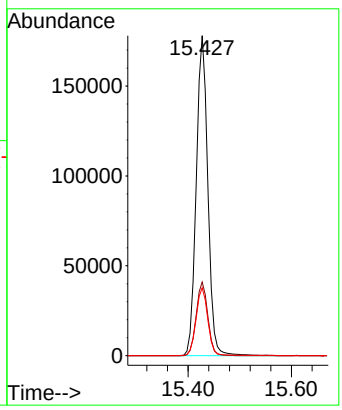


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 276754

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.2	16.7	25.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.799	152	134200	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	531551	20.000	ng		0.00
39) Acenaphthene-d10	9.834	164	281034	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	497368	20.000	ng		0.00
76) Chrysene-d12	13.963	240	288657	20.000	ng		0.00
86) Perylene-d12	15.427	264	273117	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	95839	11.044	ng		0.00
7) Phenol-d6	6.416	99	123556	11.172	ng		-0.01
23) Nitrobenzene-d5	7.357	82	107680	10.719	ng		0.00
42) 2,4,6-Tribromophenol	10.622	330	27799	10.855	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	224446	12.320	ng		0.00
79) Terphenyl-d14	12.910	244	222747	11.874	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	20141	5.229	ng		99
3) Pyridine	3.234	79	45762	4.967	ng		97
4) n-Nitrosodimethylamine	3.158	42	25819	4.894	ng	#	96
6) Aniline	6.457	93	49669	5.373	ng		99
8) 2-Chlorophenol	6.581	128	51505	5.527	ng		96
9) Benzaldehyde	6.346	77	39117	6.090	ng		97
10) Phenol	6.434	94	65035	5.558	ng		93
11) bis(2-Chloroethyl)ether	6.528	93	49579	5.510	ng		98
12) 1,3-Dichlorobenzene	6.740	146	56929	5.539	ng		99
13) 1,4-Dichlorobenzene	6.816	146	57684	5.573	ng		99
14) 1,2-Dichlorobenzene	6.969	146	54653	5.650	ng		98
15) Benzyl Alcohol	6.934	79	38176	5.053	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.075	45	84988	5.436	ng		100
17) 2-Methylphenol	7.046	107	41498	5.500	ng		99
18) Hexachloroethane	7.310	117	20418	5.332	ng		95
19) n-Nitroso-di-n-propyla...	7.198	70	35278	5.363	ng		100
20) 3+4-Methylphenols	7.198	107	52364	5.645	ng	#	90
22) Acetophenone	7.204	105	72756	5.774	ng		98
24) Nitrobenzene	7.375	77	55610	5.337	ng		99
25) Isophorone	7.610	82	92818	5.346	ng		98
26) 2-Nitrophenol	7.693	139	23372	4.789	ng		97
27) 2,4-Dimethylphenol	7.728	122	32462	5.205	ng		99
28) bis(2-Chloroethoxy)met...	7.828	93	60286	5.449	ng		98
29) 2,4-Dichlorophenol	7.934	162	40847	5.360	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	49479	5.661	ng		96
31) Naphthalene	8.098	128	158560	5.672	ng		99
32) Benzoic acid	7.793	122	18585	3.281	ng		93
33) 4-Chloroaniline	8.151	127	50760	5.405	ng		97
34) Hexachlorobutadiene	8.222	225	27720	5.419	ng		99
35) Caprolactam	8.475	113	12827	5.204	ng		94
36) 4-Chloro-3-methylphenol	8.622	107	43627	5.334	ng		97
37) 2-Methylnaphthalene	8.793	142	100305	5.634	ng		98
38) 1-Methylnaphthalene	8.893	142	100569	5.767	ng		99
40) 1,2,4,5-Tetrachloroben...	8.957	216	43228	5.410	ng		97
41) Hexachlorocyclopentadiene	8.945	237	9555	3.985	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	26790	5.136	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

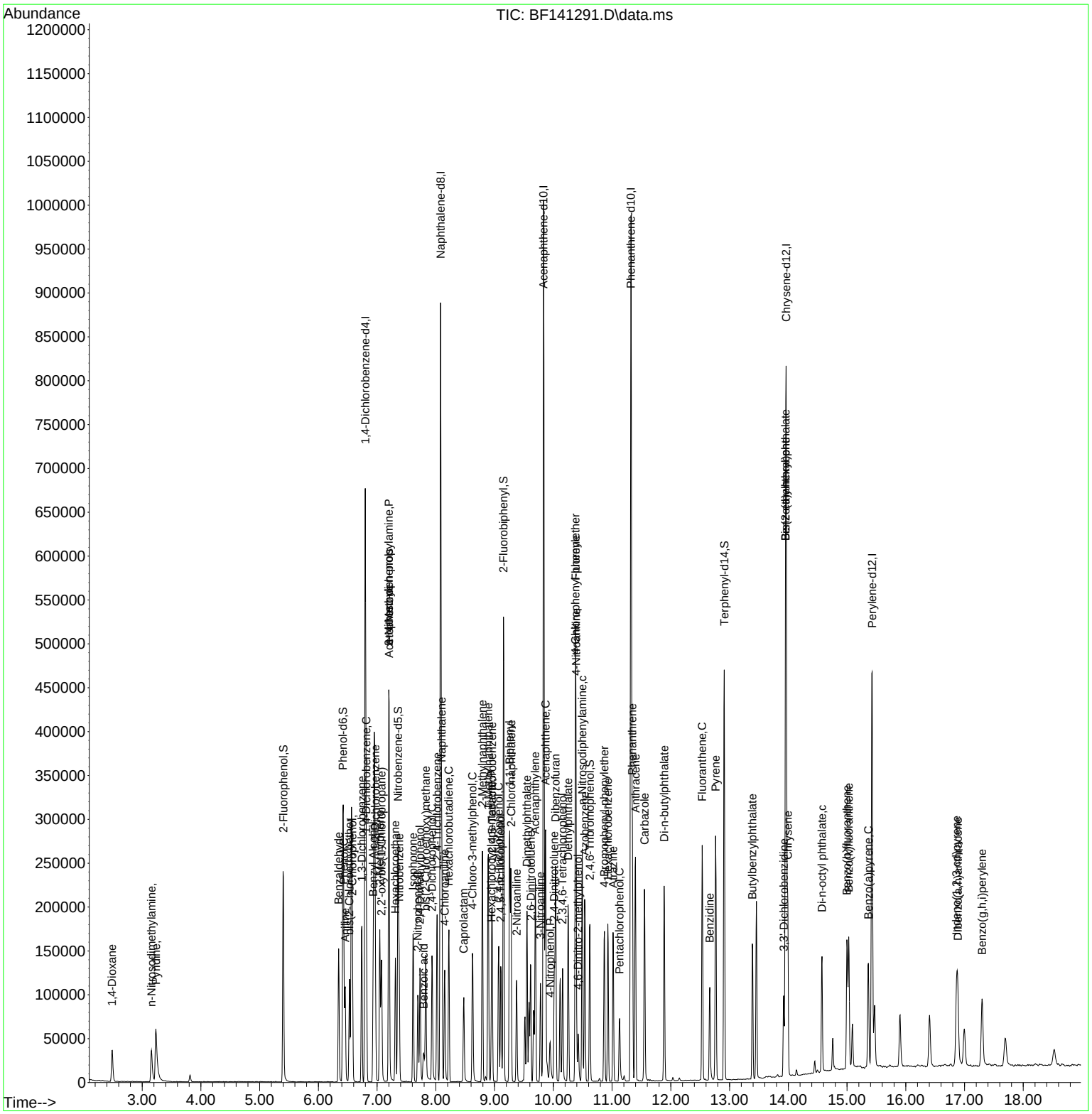
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	30127	5.309	ng	98
46) 1,1'-Biphenyl	9.257	154	127187	5.801	ng	99
47) 2-Chloronaphthalene	9.281	162	98081	5.760	ng	97
48) 2-Nitroaniline	9.375	65	27154	5.056	ng	99
49) Acenaphthylene	9.692	152	134958	5.643	ng	99
50) Dimethylphthalate	9.551	163	105240	5.584	ng	99
51) 2,6-Dinitrotoluene	9.616	165	23372	5.329	ng	95
52) Acenaphthene	9.869	154	95591	5.617	ng	100
53) 3-Nitroaniline	9.781	138	22582	5.206	ng	91
55) Dibenzofuran	10.039	168	131288	5.769	ng	98
56) 4-Nitrophenol	9.945	139	13160	4.226	ng	89
57) 2,4-Dinitrotoluene	10.016	165	29799	5.268	ng	98
58) Fluorene	10.381	166	106198	6.002	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	22818	5.090	ng	96
60) Diethylphthalate	10.251	149	103307	5.660	ng	98
61) 4-Chlorophenyl-phenyle...	10.375	204	51875	6.007	ng	98
62) 4-Nitroaniline	10.387	138	20870	5.008	ng	95
63) Azobenzene	10.534	77	102878	5.623	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	9960	3.353	ng	92
66) n-Nitrosodiphenylamine	10.492	169	89060	5.523	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	29160	5.245	ng	94
68) Hexachlorobenzene	10.928	284	31990	5.424	ng	98
69) Atrazine	11.016	200	26258	4.855	ng	97
70) Pentachlorophenol	11.128	266	13924	4.027	ng	96
71) Phenanthrene	11.345	178	153320	5.738	ng	99
72) Anthracene	11.398	178	146593	5.625	ng	99
73) Carbazole	11.551	167	126760	5.491	ng	99
74) Di-n-butylphthalate	11.886	149	154718	5.560	ng	100
75) Fluoranthene	12.533	202	148553	5.696	ng	99
77) Benzidine	12.663	184	63661	7.253	ng	98
78) Pyrene	12.763	202	157175	5.639	ng	99
80) Butylbenzylphthalate	13.386	149	49477	5.140	ng	99
81) Benzo(a)anthracene	13.951	228	110559	5.588	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	29754	4.803	ng	100
83) Chrysene	13.992	228	96099	5.238	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	63638	5.269	ng	98
85) Di-n-octyl phthalate	14.574	149	86163	4.560	ng	98
87) Indeno(1,2,3-cd)pyrene	16.863	276	83074	4.657	ng	99
88) Benzo(b)fluoranthene	14.998	252	92690	5.465	ng	99
89) Benzo(k)fluoranthene	15.027	252	79701	5.247	ng	99
90) Benzo(a)pyrene	15.363	252	76368	5.268	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	65991	4.615	ng	99
92) Benzo(g,h,i)perylene	17.298	276	69049	4.591	ng	97

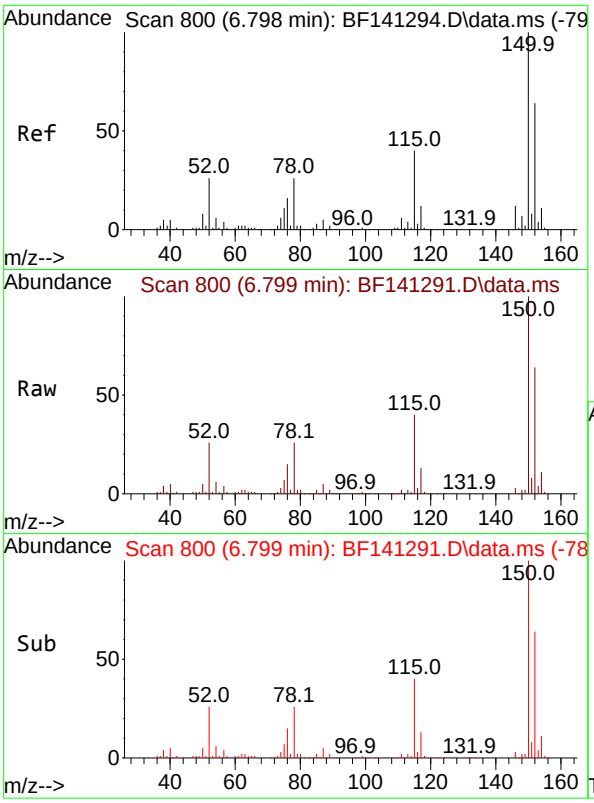
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



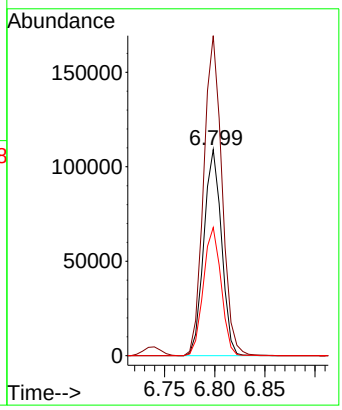


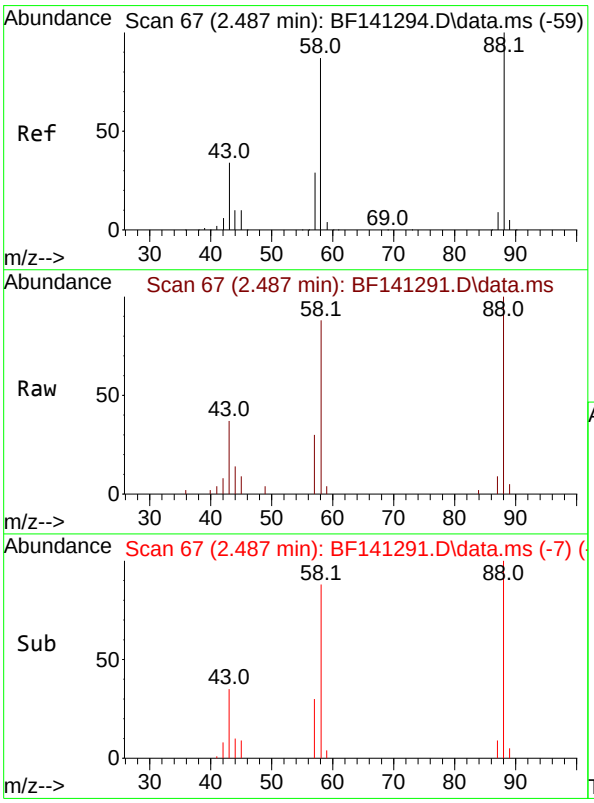
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 134200

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.9	188.9
115	62.2	49.7	74.5

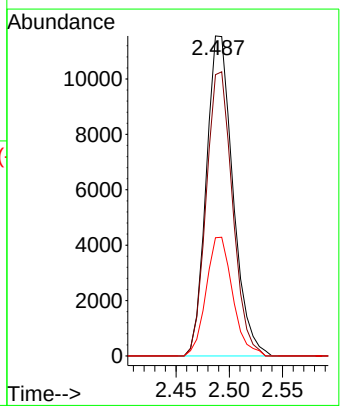


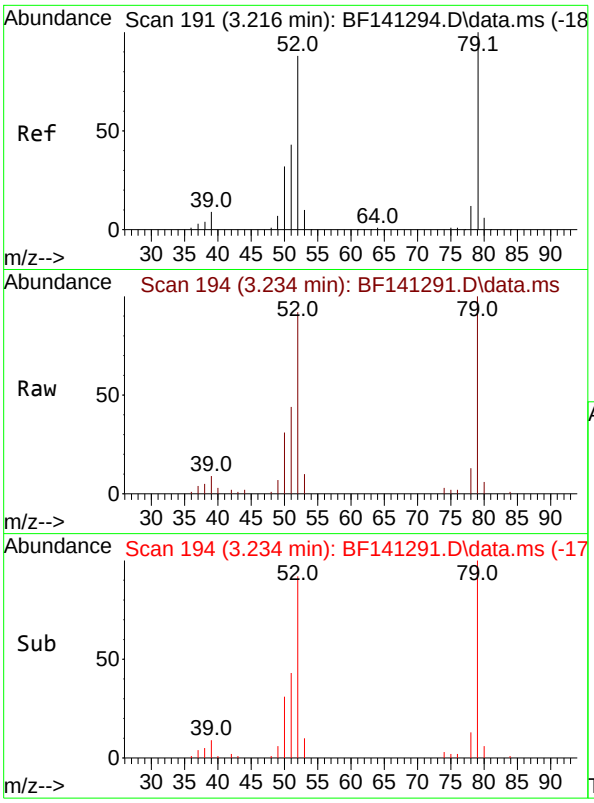


#2
1,4-Dioxane
Concen: 5.229 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 88 Resp: 20141

Ion	Ratio	Lower	Upper
88	100		
58	87.4	70.2	105.4
43	36.8	27.6	41.4



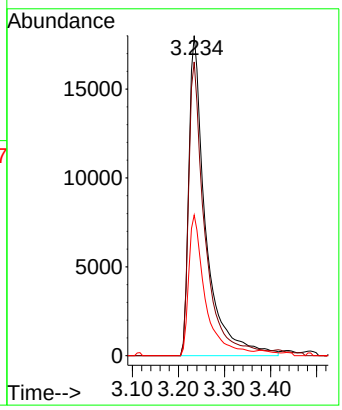


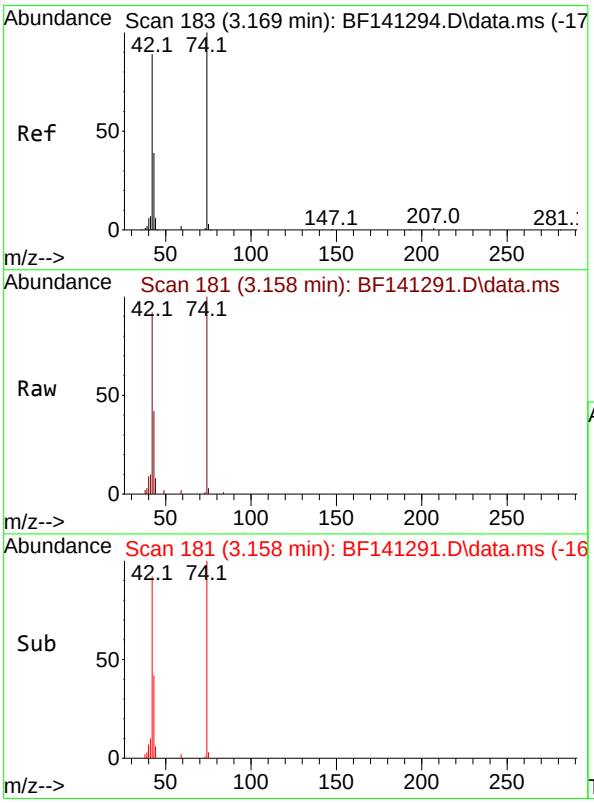
#3
Pyridine
Concen: 4.967 ng
RT: 3.234 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 45762

Ion	Ratio	Lower	Upper
79	100		
52	91.8	70.3	105.5
51	43.9	34.3	51.5

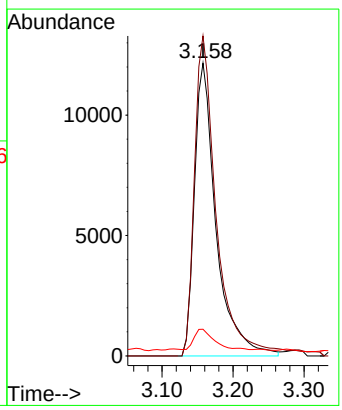


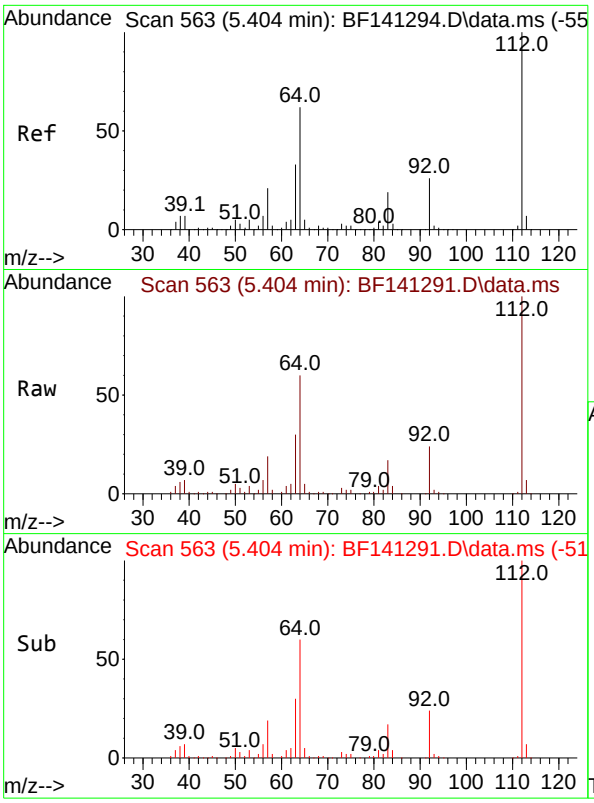


#4
n-Nitrosodimethylamine
Concen: 4.894 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 42 Resp: 25819

Ion	Ratio	Lower	Upper
42	100		
74	109.3	90.3	135.5
44	9.1	5.7	8.5#



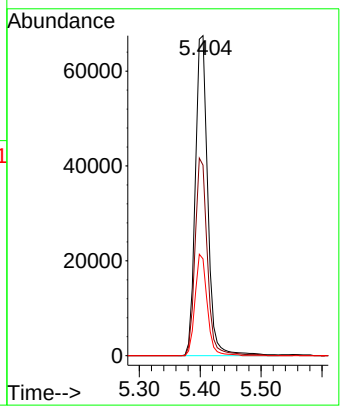


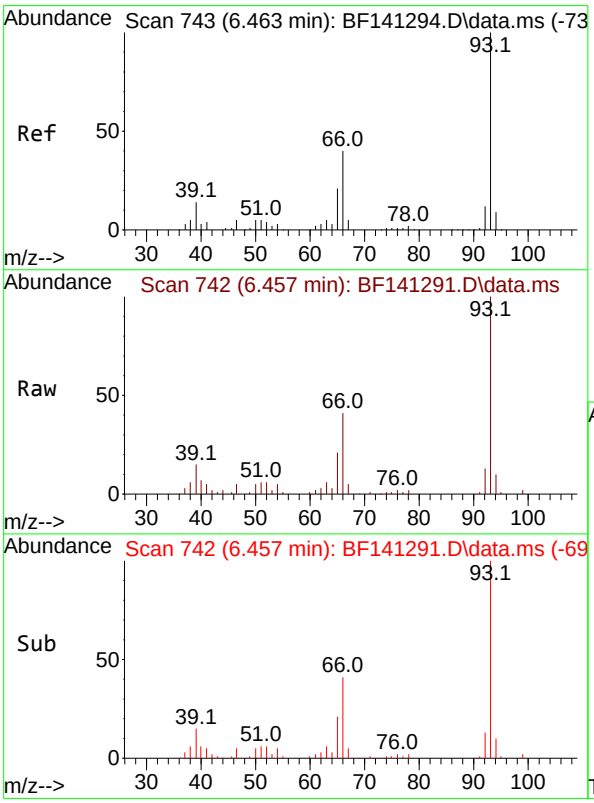
#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 95839

Ion	Ratio	Lower	Upper
112	100		
64	59.5	49.8	74.8
63	30.2	26.1	39.1

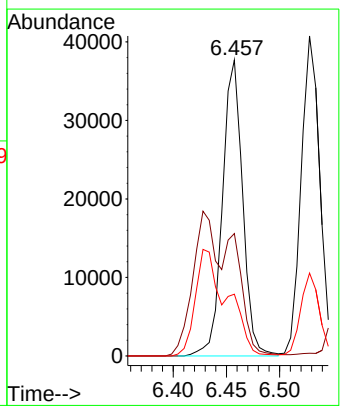


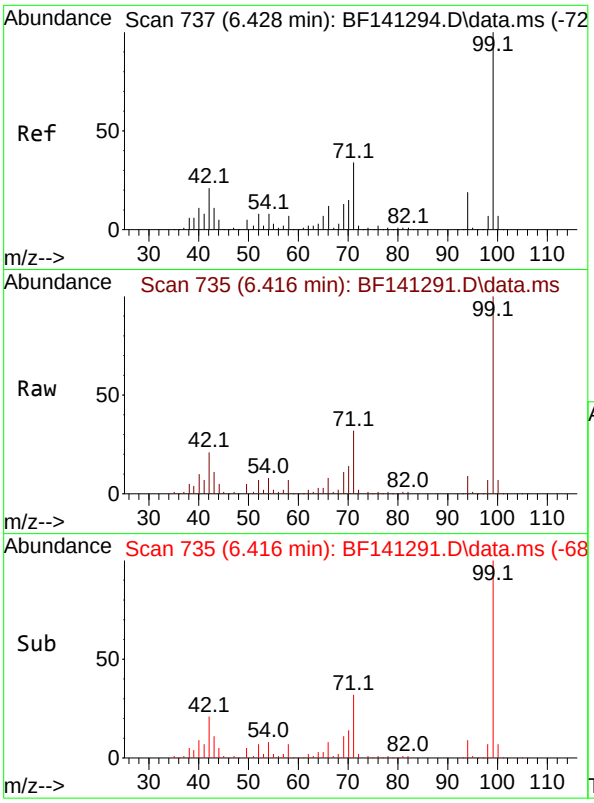


#6
Aniline
Concen: 5.373 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 49669

Ion	Ratio	Lower	Upper
93	100		
66	41.4	32.5	48.7
65	20.9	17.0	25.6



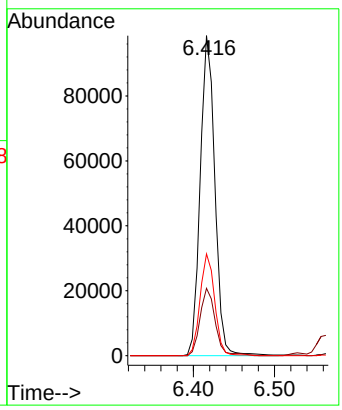


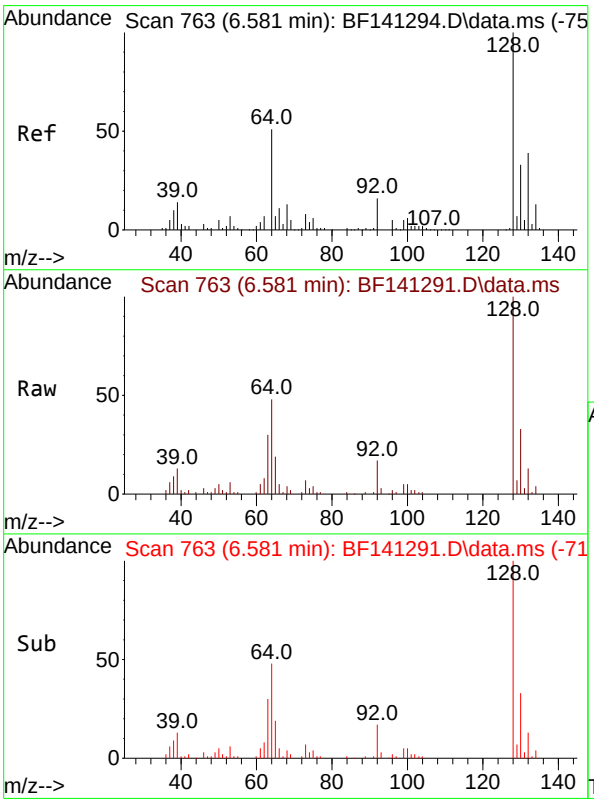
#7
Phenol-d6
Concen: 11.172 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 123556

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.1	25.7
71	31.8	26.9	40.3

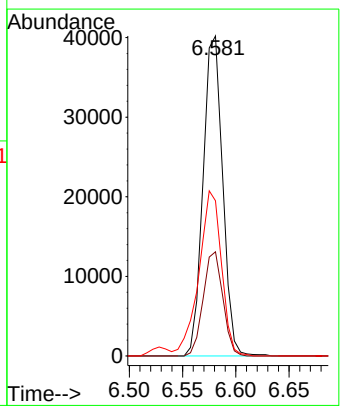


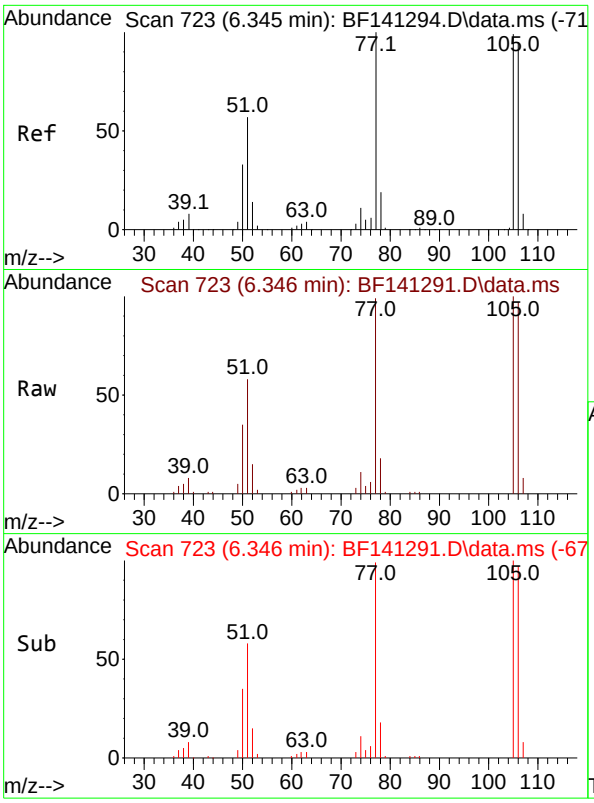


#8
2-Chlorophenol
Concen: 5.527 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:128 Resp: 51505

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	48.5	32.9	72.9



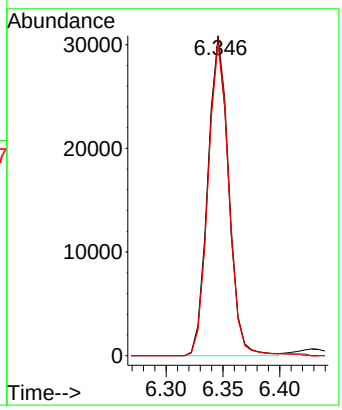


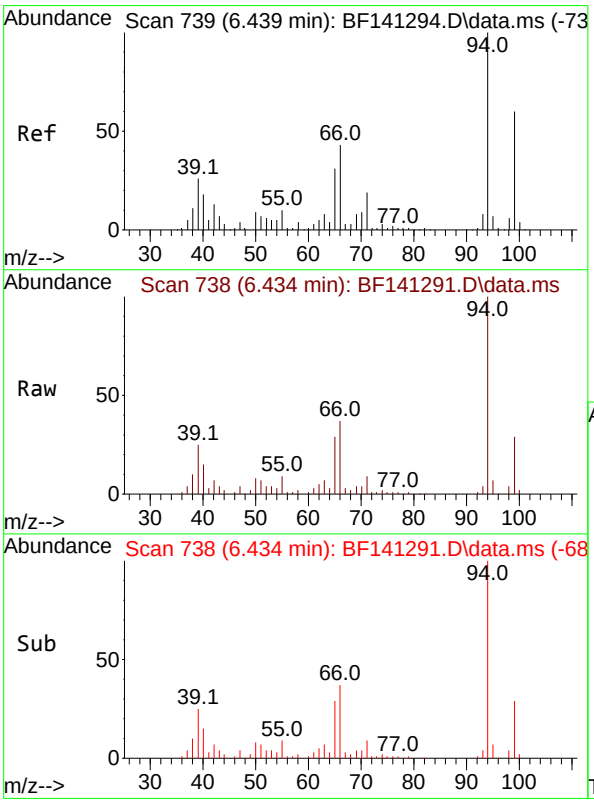
#9
Benzaldehyde
Concen: 6.090 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 39117

Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	98.1	74.6	114.6

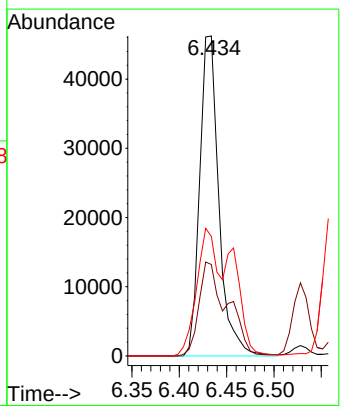


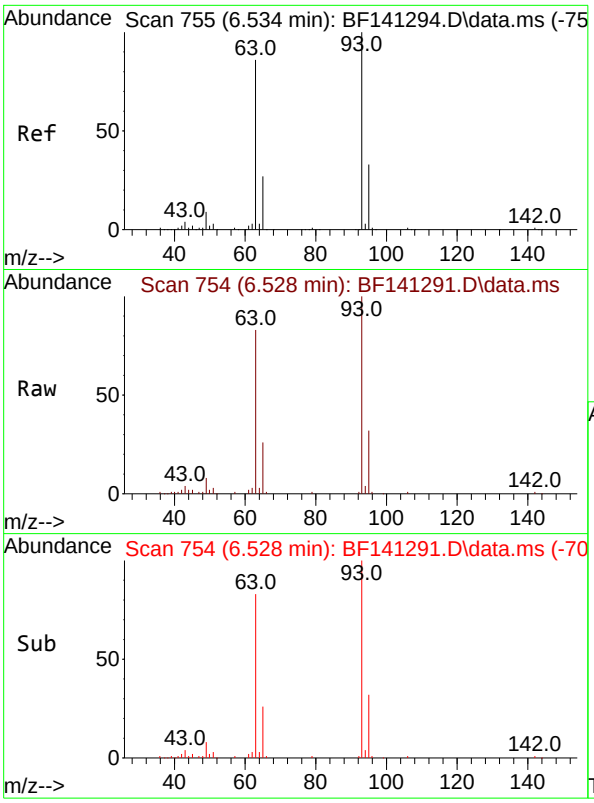


#10
Phenol
Concen: 5.558 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 94 Resp: 65035

Ion	Ratio	Lower	Upper
94	100		
65	28.6	10.8	50.8
66	37.4	23.3	63.3



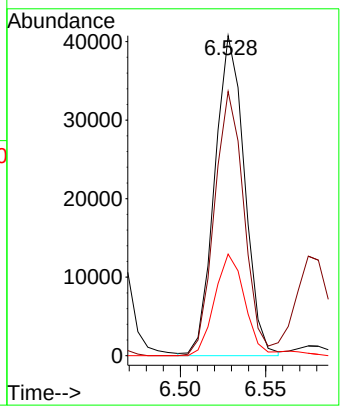


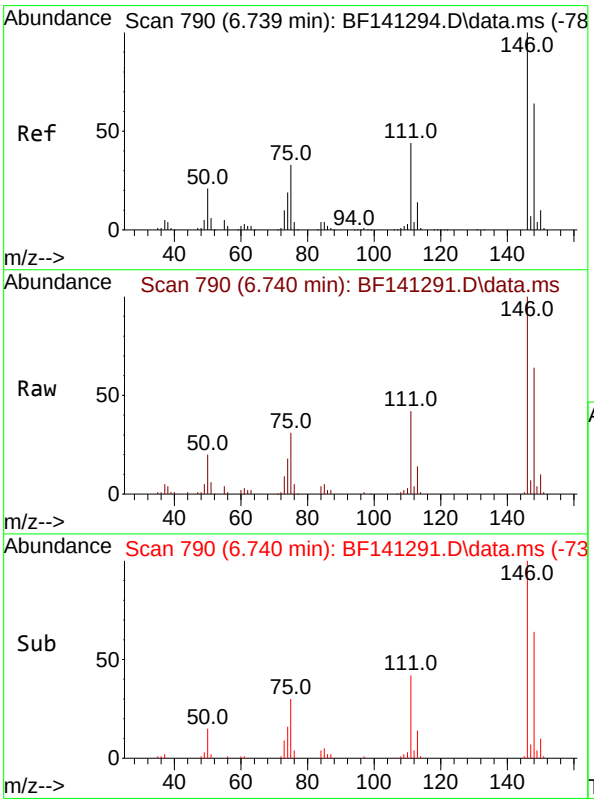
#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 49579

Ion	Ratio	Lower	Upper
93	100		
63	82.6	65.0	105.0
95	31.7	12.4	52.4

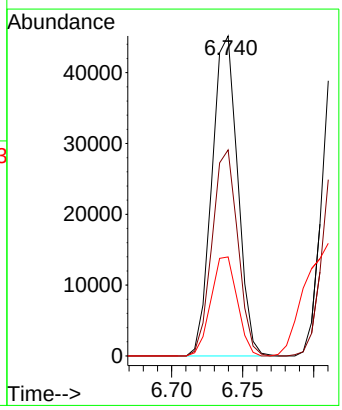


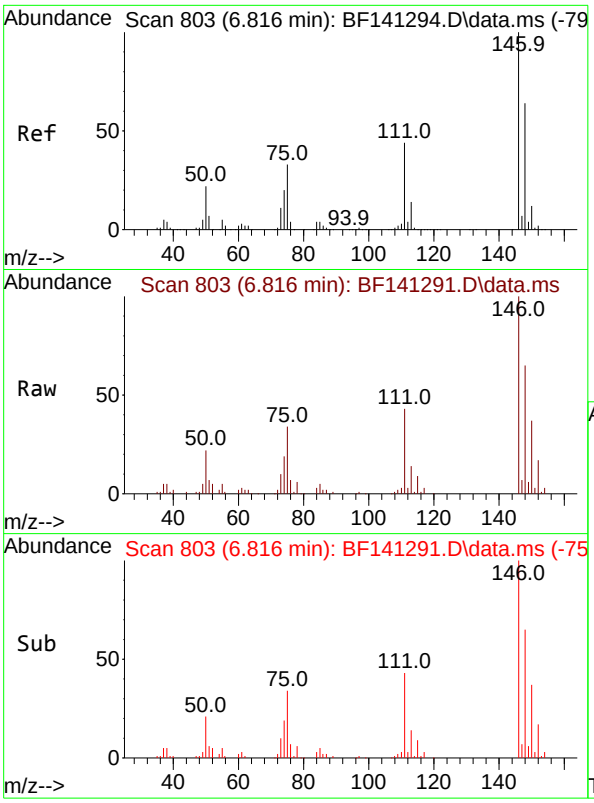


#12
1,3-Dichlorobenzene
Concen: 5.539 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:146 Resp: 56929

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	30.9	26.2	39.4



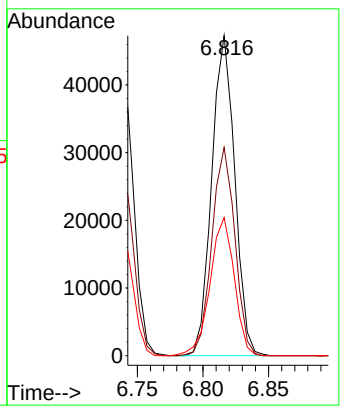


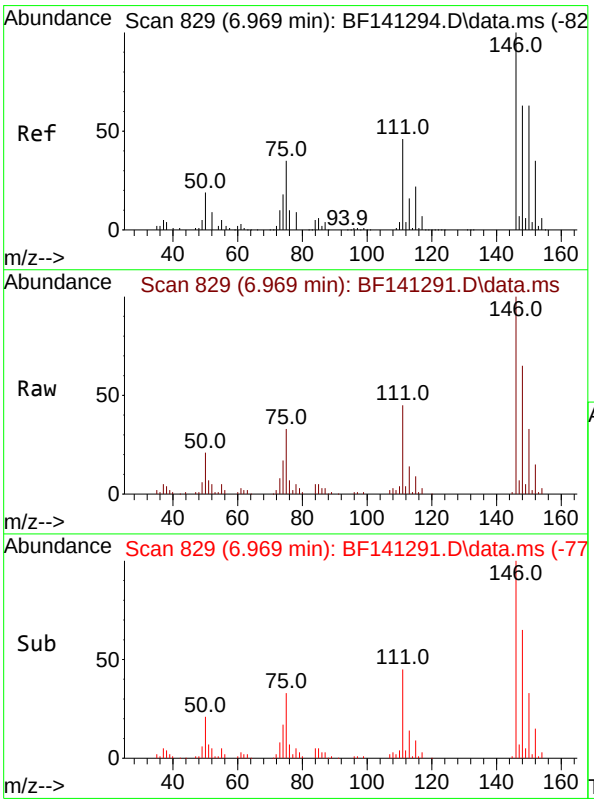
#13
1,4-Dichlorobenzene
Concen: 5.573 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 57684

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.2	76.8
111	43.2	35.0	52.4

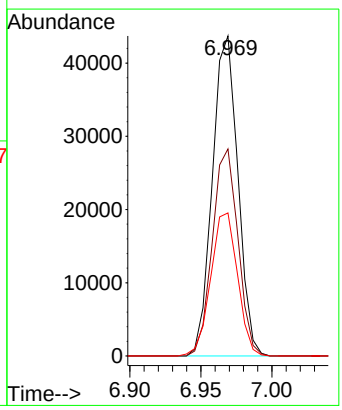


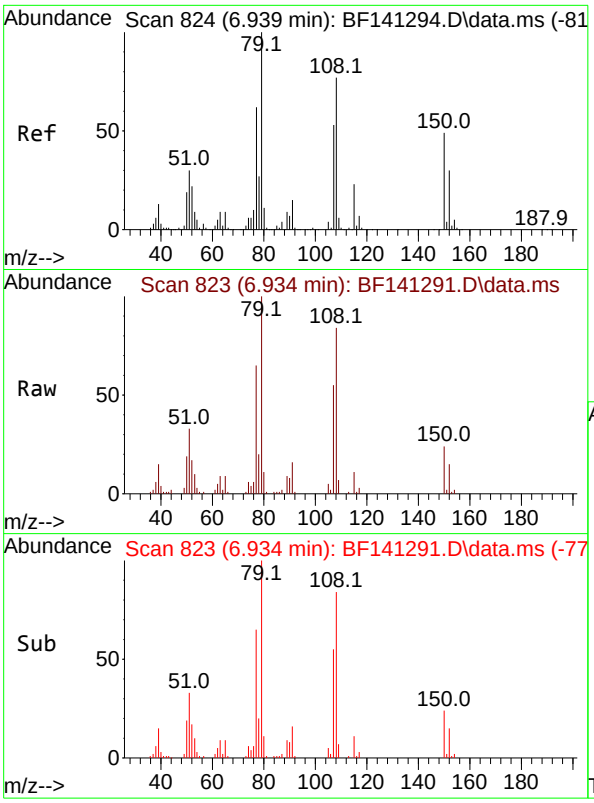


#14
1,2-Dichlorobenzene
Concen: 5.650 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:146 Resp: 54653

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.5	75.7
111	44.7	36.6	55.0



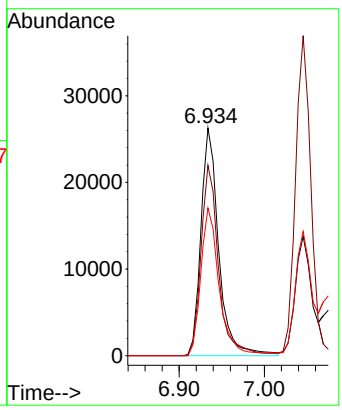


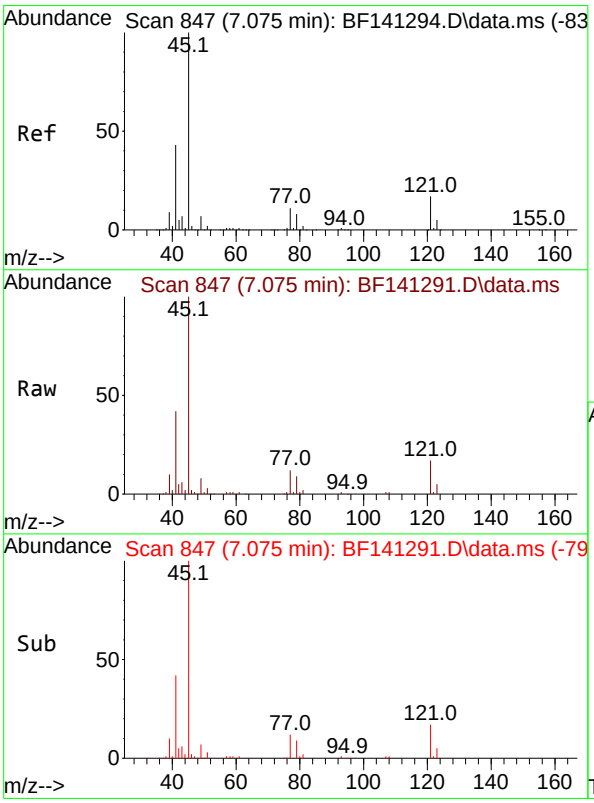
#15
Benzyl Alcohol
Concen: 5.053 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 38176

Ion	Ratio	Lower	Upper
79	100		
108	83.6	61.4	92.0
77	64.8	49.9	74.9

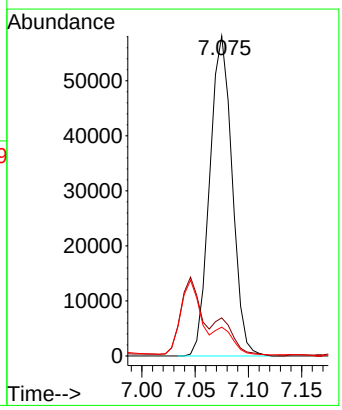


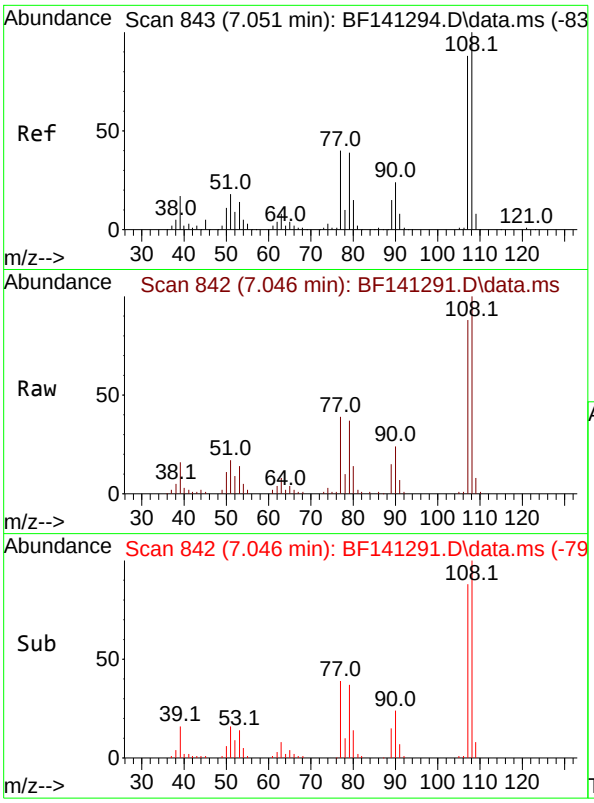


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.436 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 45 Resp: 84988

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	9.0	0.0	29.1



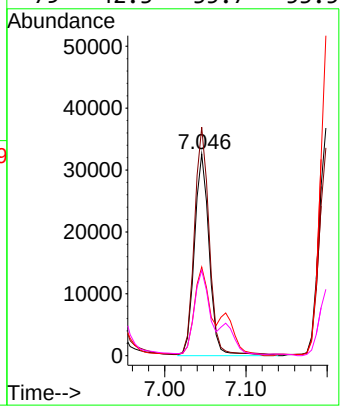


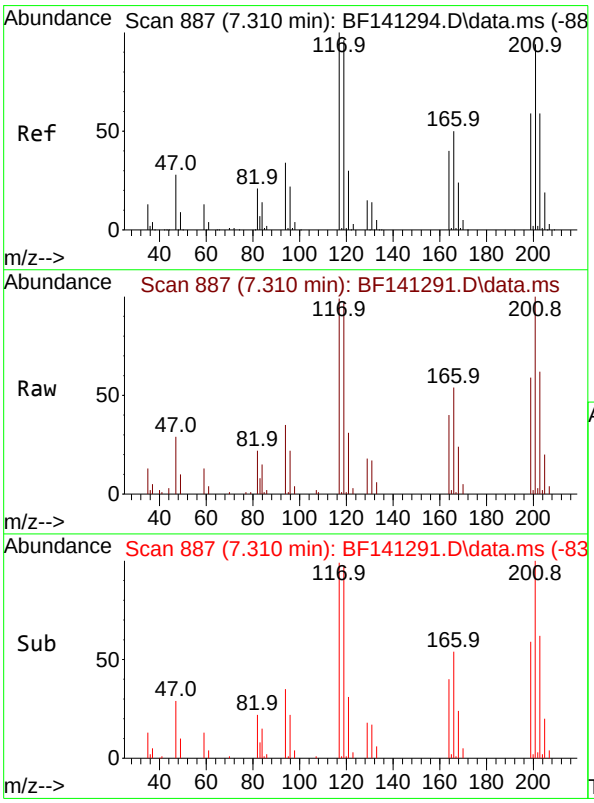
#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 41498

Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	44.0	36.2	54.4
79	42.3	35.7	53.5

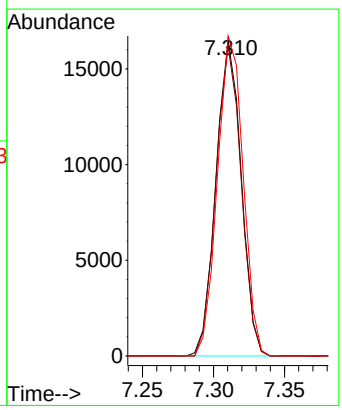


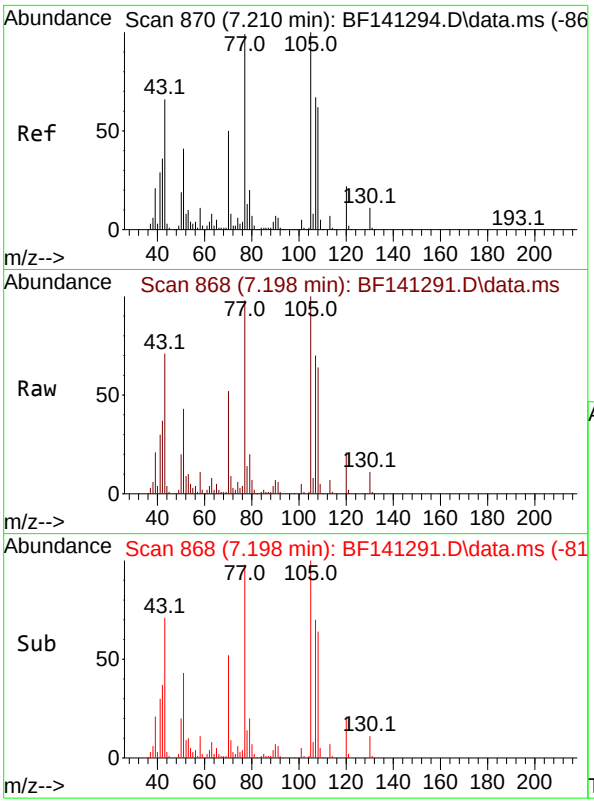


#18
Hexachloroethane
Concen: 5.332 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:117 Resp: 20418

Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.6	114.8
201	101.4	74.8	112.2



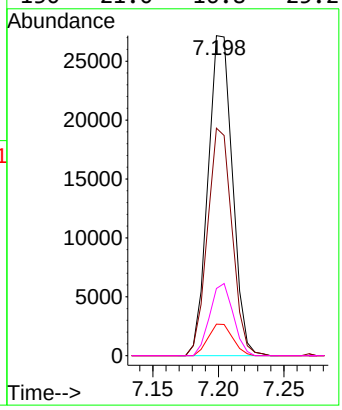


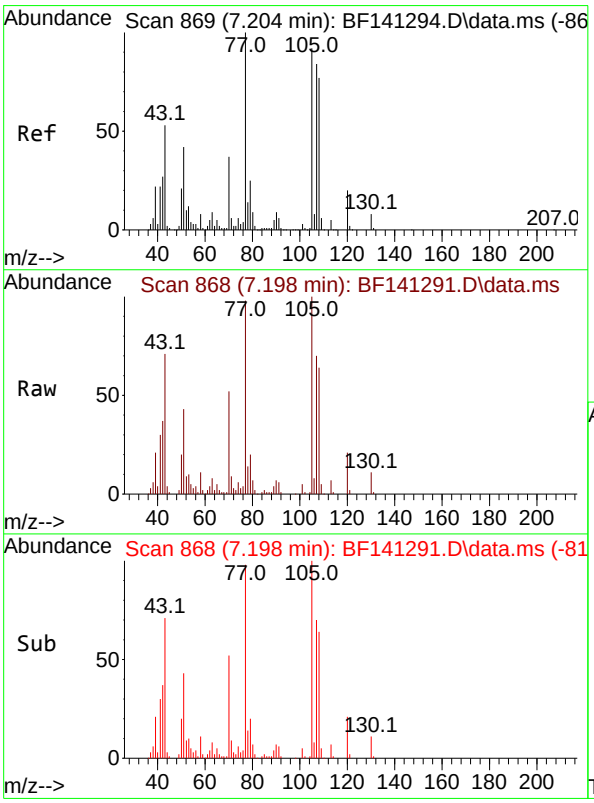
#19
n-Nitroso-di-n-propylamine
Concen: 5.363 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 35278

Ion	Ratio	Lower	Upper
70	100		
42	71.1	56.8	85.2
101	9.9	7.7	11.5
130	21.0	16.8	25.2

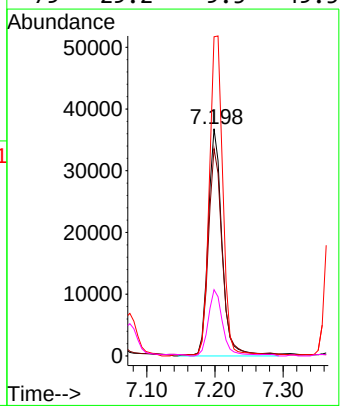


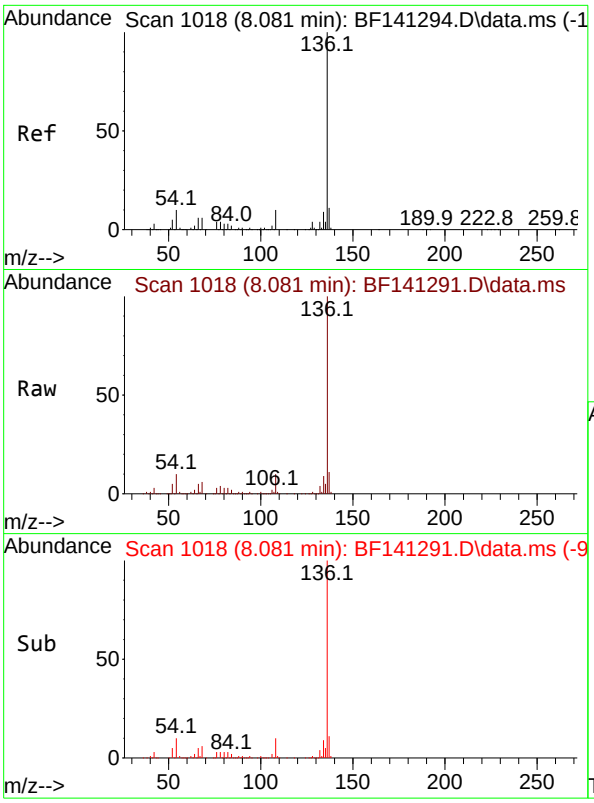


#20
3+4-Methylphenols
Concen: 5.645 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 52364

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.9	110.9
77	140.5	98.5	138.5#
79	29.2	9.5	49.5



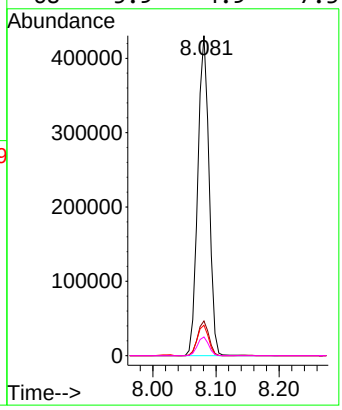


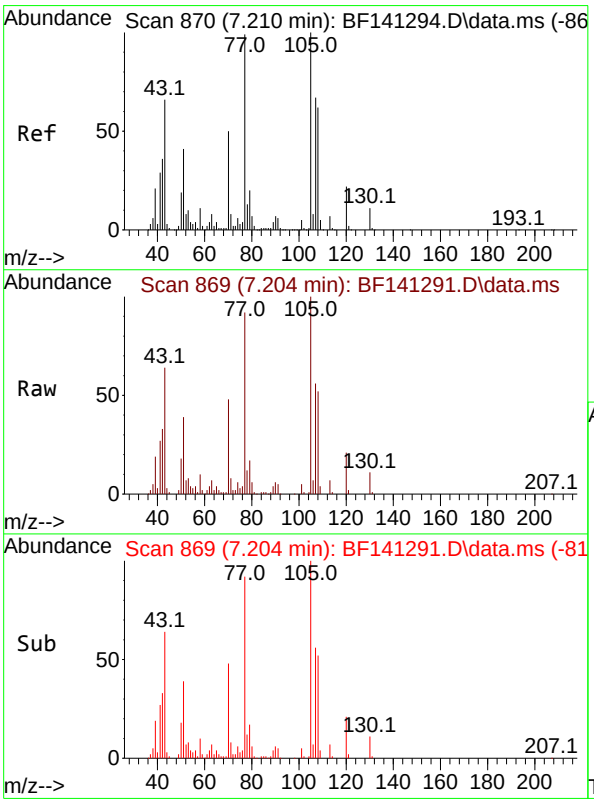
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 531551

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3

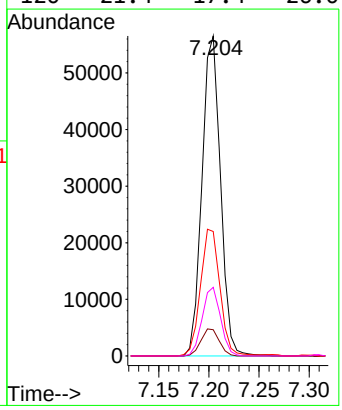


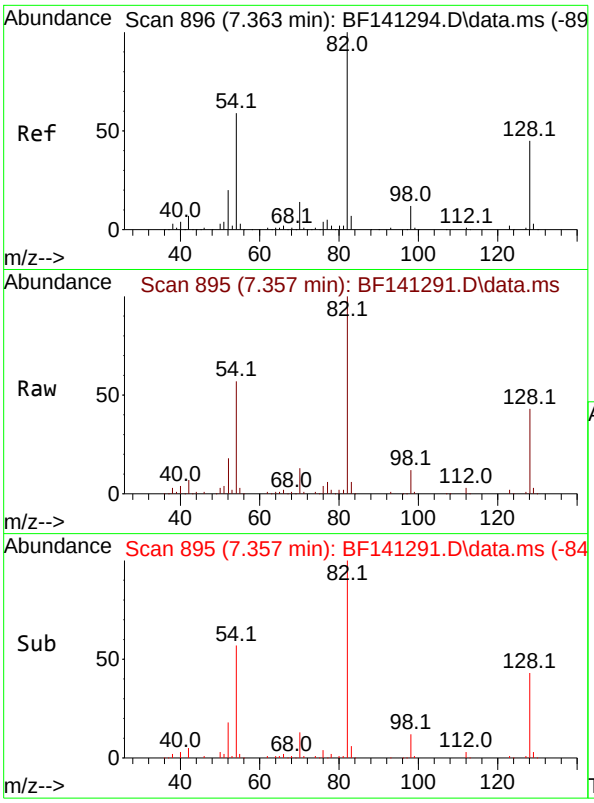


#22
Acetophenone
Concen: 5.774 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:105 Resp: 72756

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.8	10.2
51	38.9	32.6	49.0
120	21.4	17.4	26.0



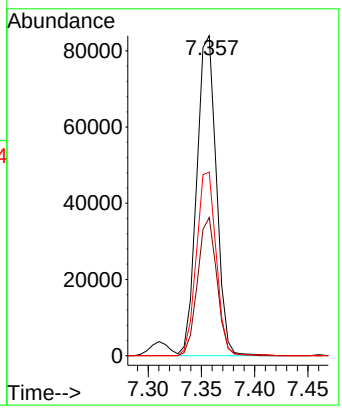


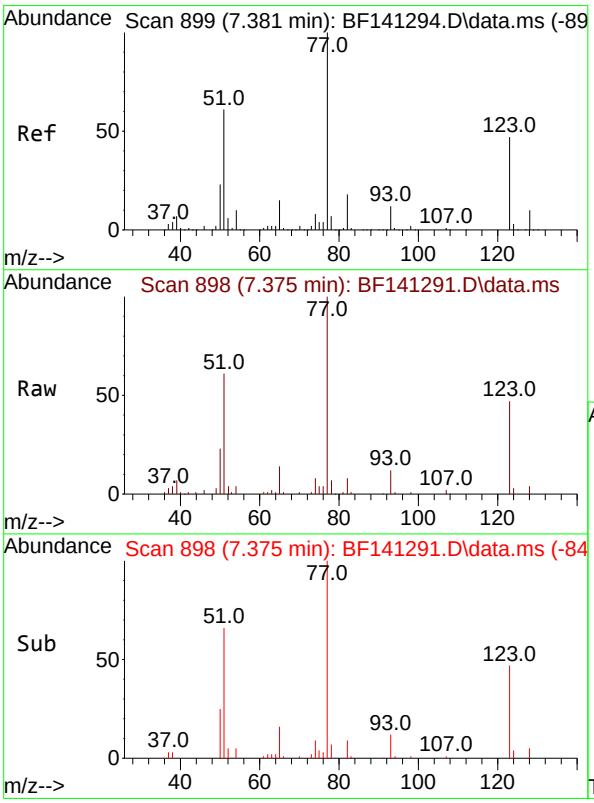
#23
Nitrobenzene-d5
Concen: 10.719 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 107680

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.7	53.5
54	57.4	47.1	70.7

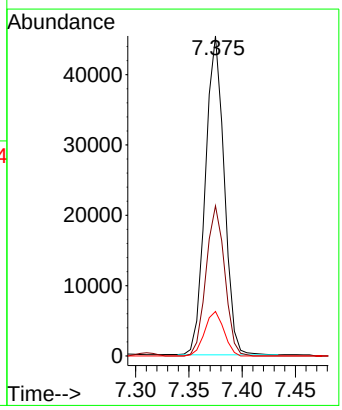


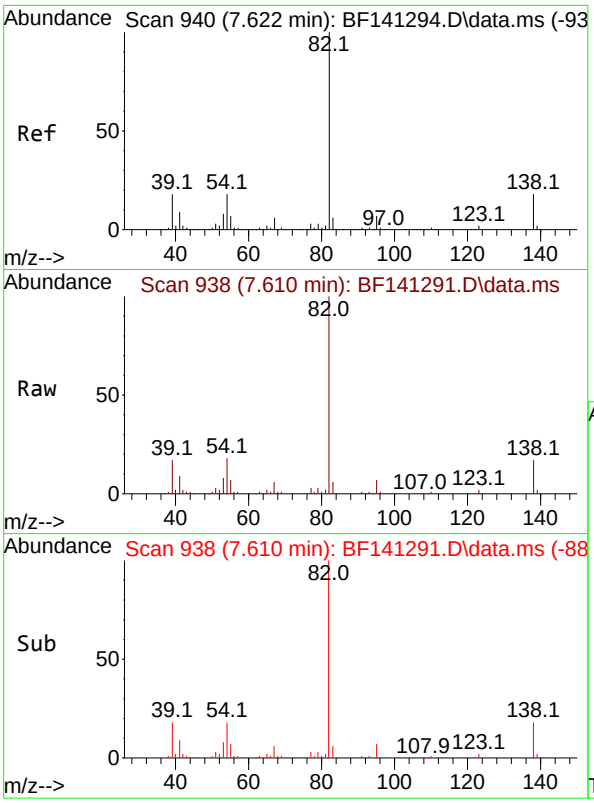


#24
Nitrobenzene
Concen: 5.337 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 55610

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.3	55.9
65	13.9	11.8	17.6



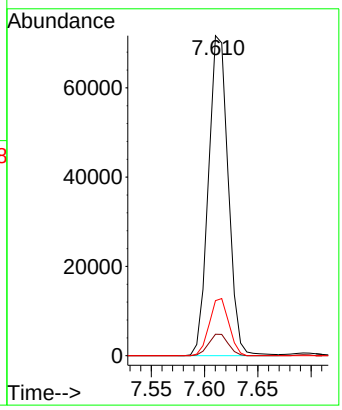


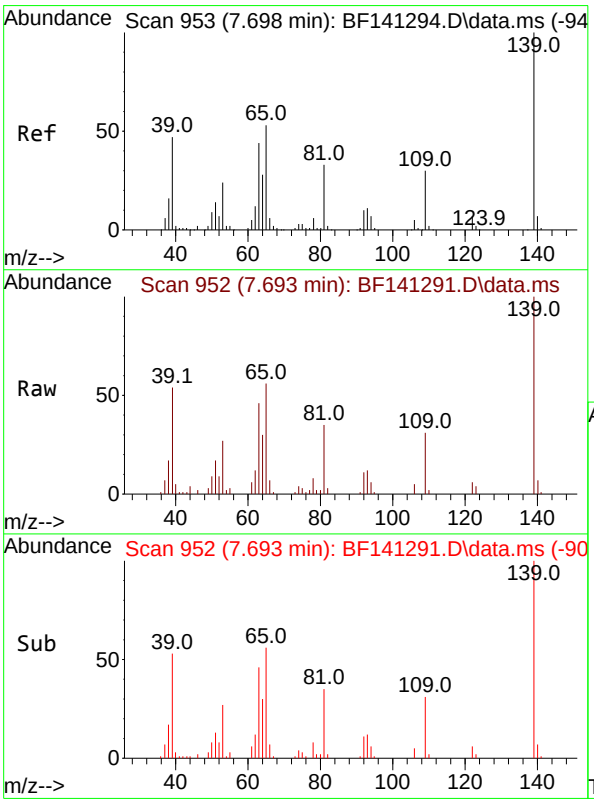
#25
Isophorone
Concen: 5.346 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 92818

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.8	8.6
138	17.2	14.7	22.1

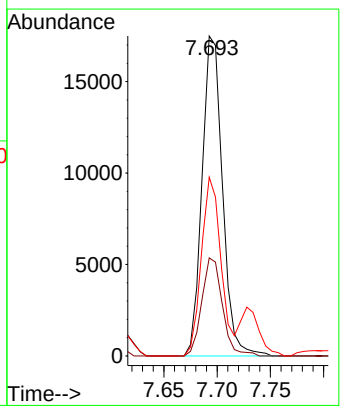


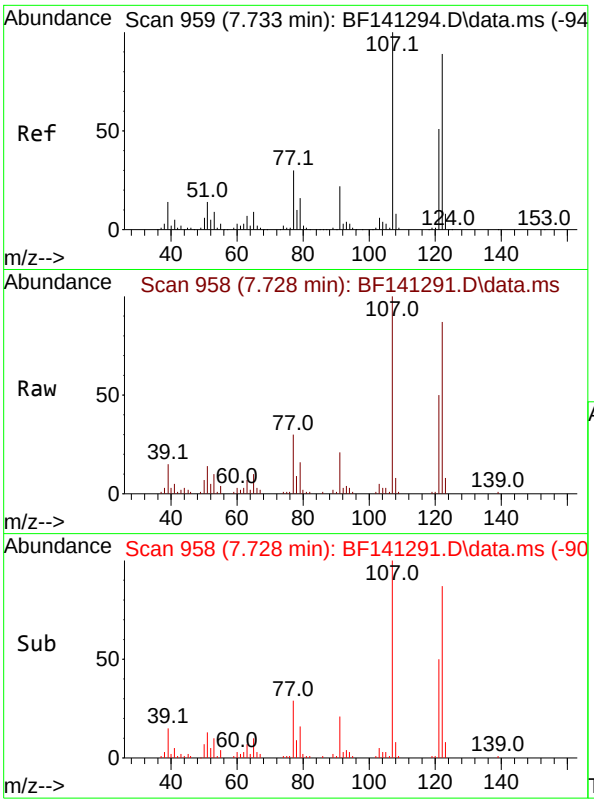


#26
2-Nitrophenol
Concen: 4.789 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:139 Resp: 23372

Ion	Ratio	Lower	Upper
139	100		
109	30.7	23.8	35.6
65	55.8	42.2	63.4



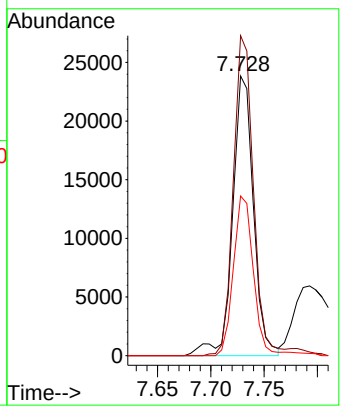


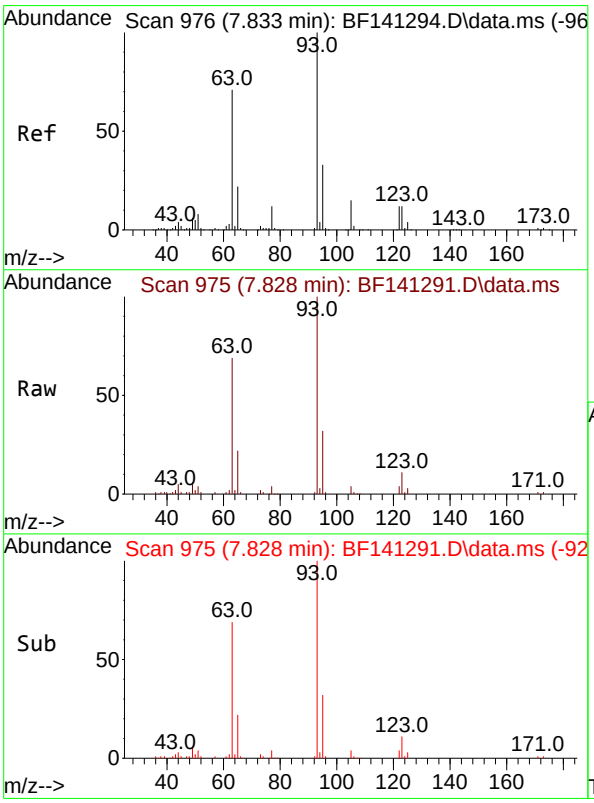
#27
2,4-Dimethylphenol
Concen: 5.205 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 32462

Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.9	134.9
121	57.1	46.1	69.1

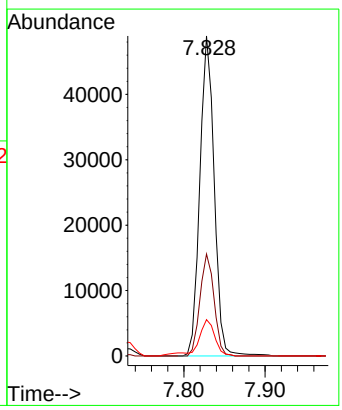


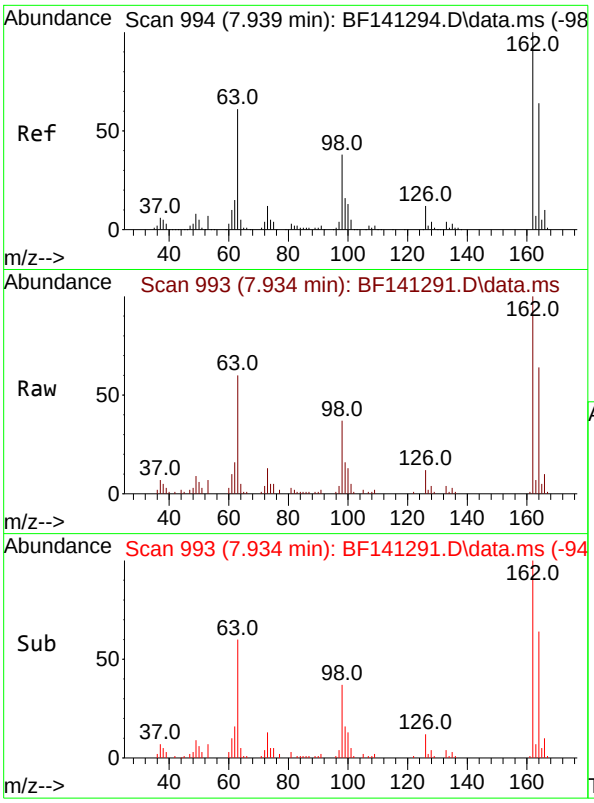


#28
bis(2-Chloroethoxy)methane
Concen: 5.449 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 60286

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.2
123	11.3	10.2	15.4



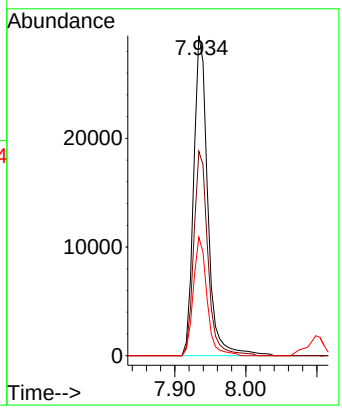


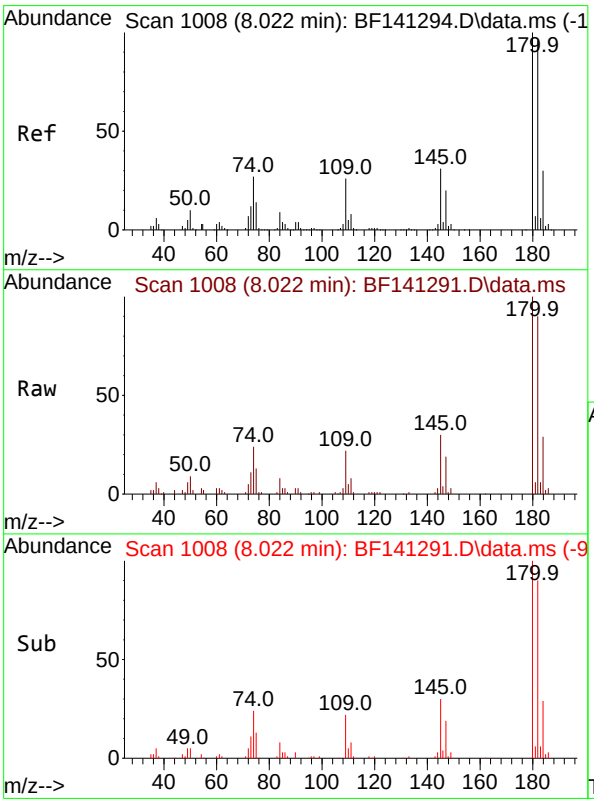
#29
2,4-Dichlorophenol
Concen: 5.360 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 40847

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	37.0	18.2	58.2

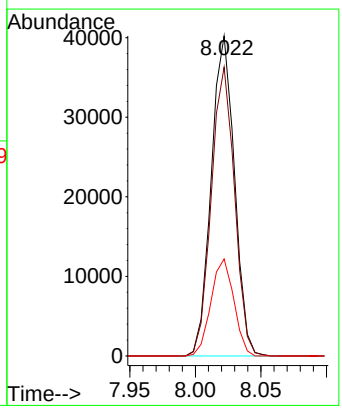


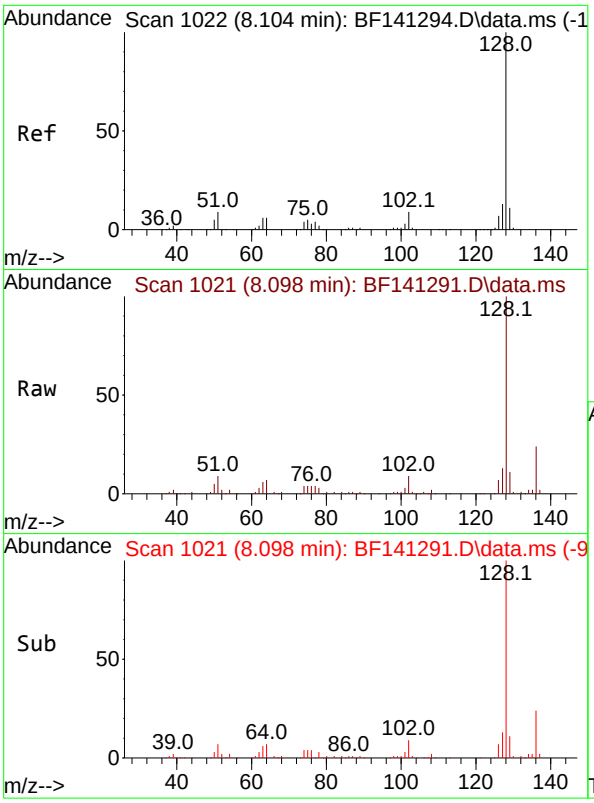


#30
1,2,4-Trichlorobenzene
Concen: 5.661 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:180 Resp: 49479

Ion	Ratio	Lower	Upper
180	100		
182	90.2	76.4	114.6
145	30.3	24.9	37.3



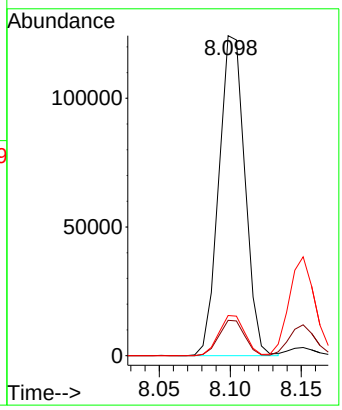


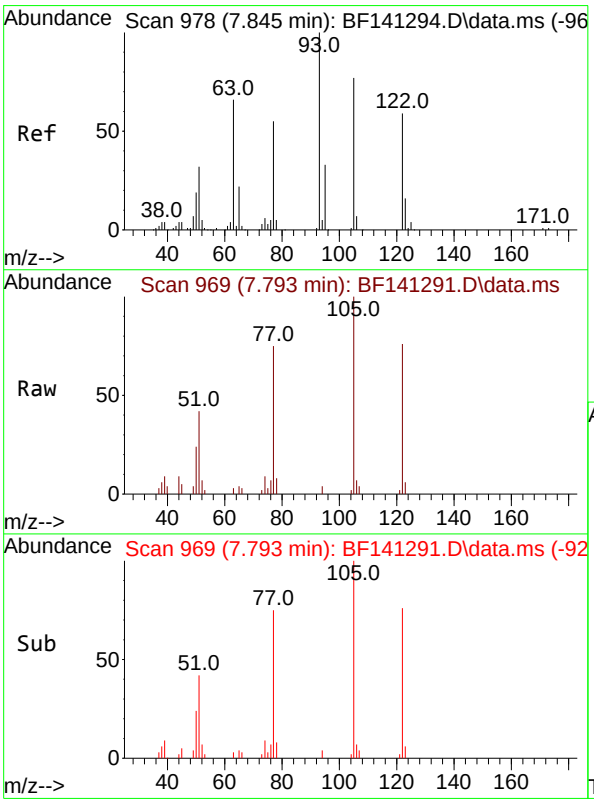
#31
Naphthalene
Concen: 5.672 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 158560

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.6	10.6	15.8

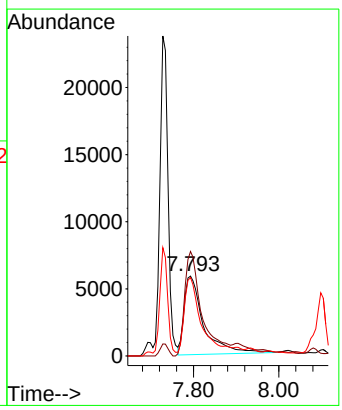


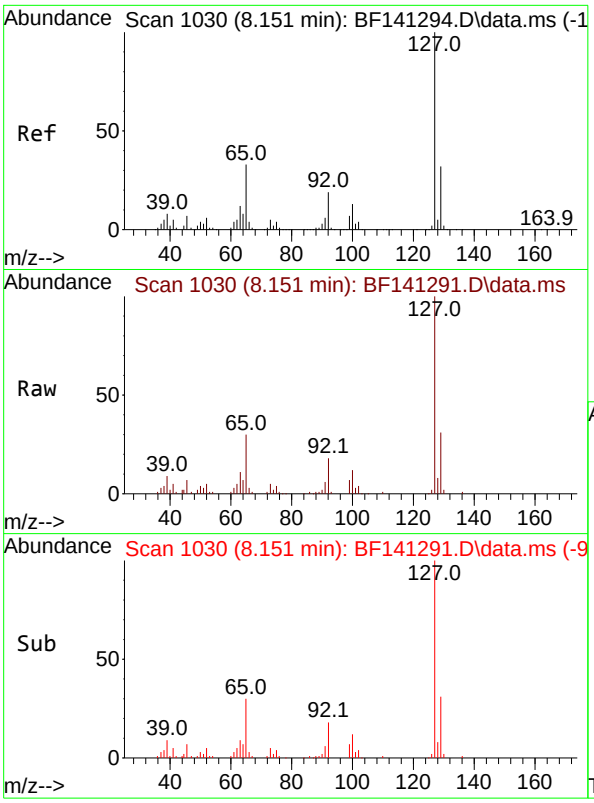


#32
Benzoic acid
Concen: 3.281 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.053 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:122 Resp: 18585

Ion	Ratio	Lower	Upper
122	100		
105	130.7	103.4	143.4
77	98.2	70.9	110.9



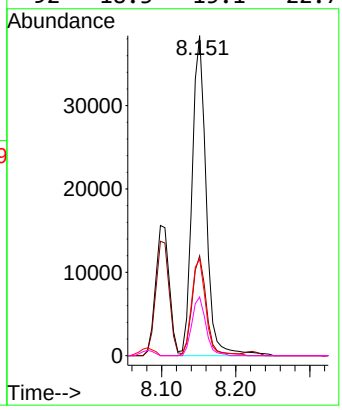


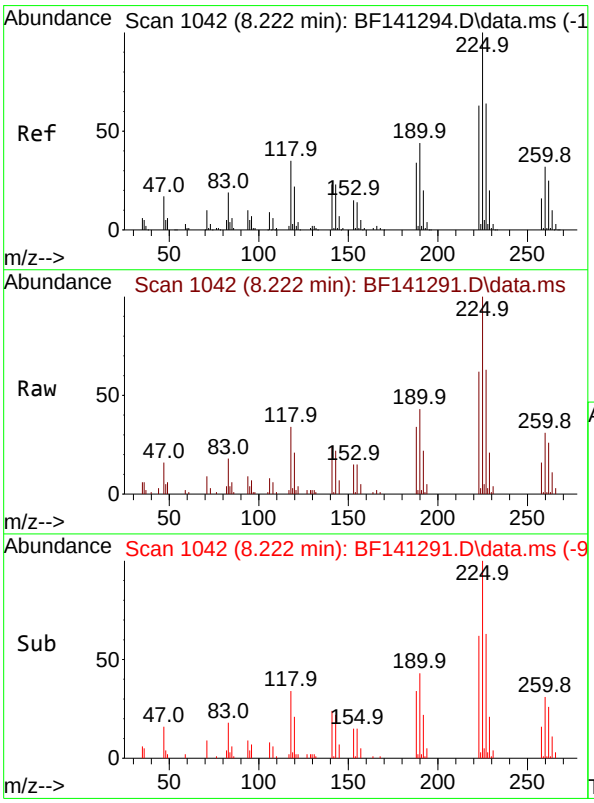
#33
4-Chloroaniline
Concen: 5.405 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 50760

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.7	38.5
65	30.1	26.4	39.6
92	18.3	15.1	22.7

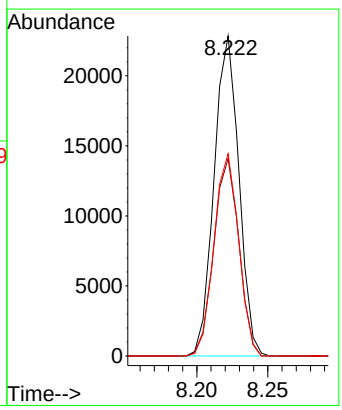


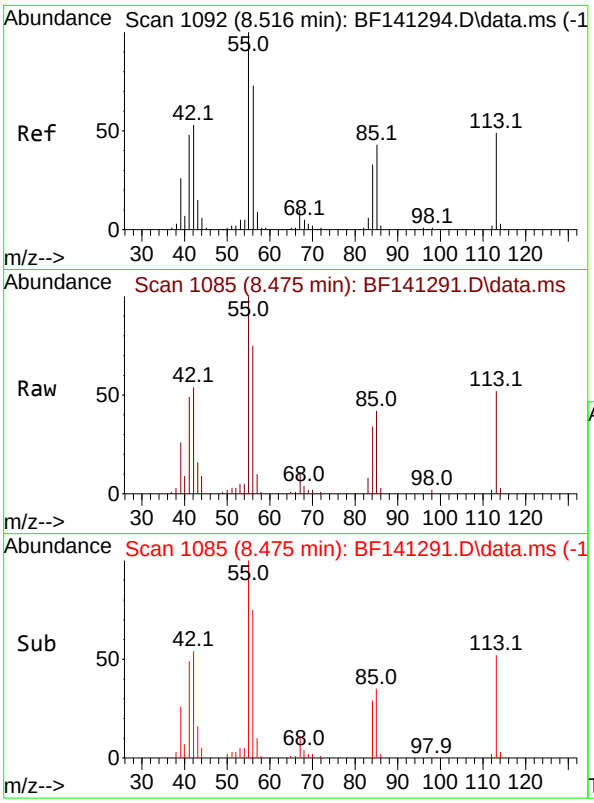


#34
Hexachlorobutadiene
Concen: 5.419 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:225 Resp: 27720

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.4	75.6
227	63.2	51.3	76.9



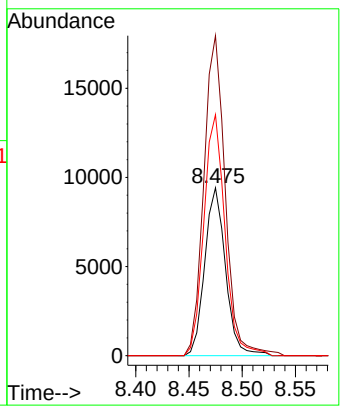


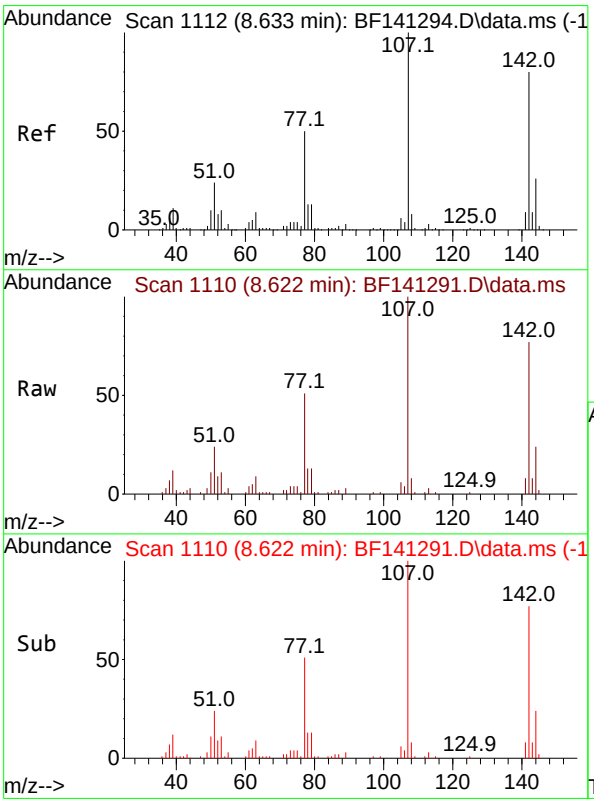
#35
Caprolactam
Concen: 5.204 ng
RT: 8.475 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 12827

Ion	Ratio	Lower	Upper
113	100		
55	190.7	182.9	222.9
56	143.6	127.9	167.9

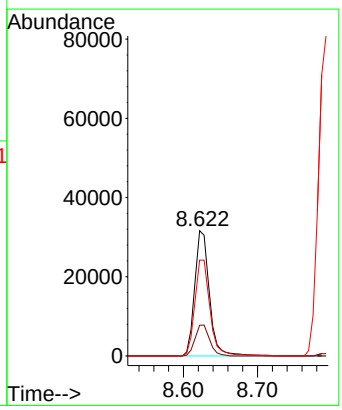


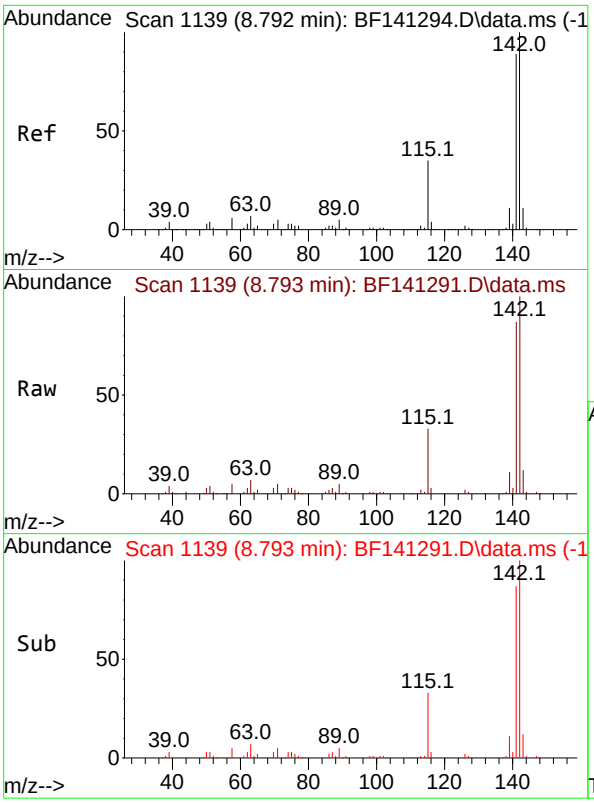


#36
4-Chloro-3-methylphenol
Concen: 5.334 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 43627

Ion	Ratio	Lower	Upper
107	100		
144	24.5	20.7	31.1
142	76.6	63.8	95.8



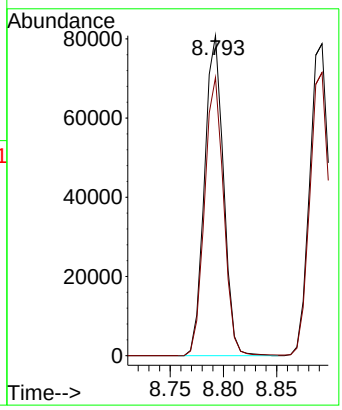


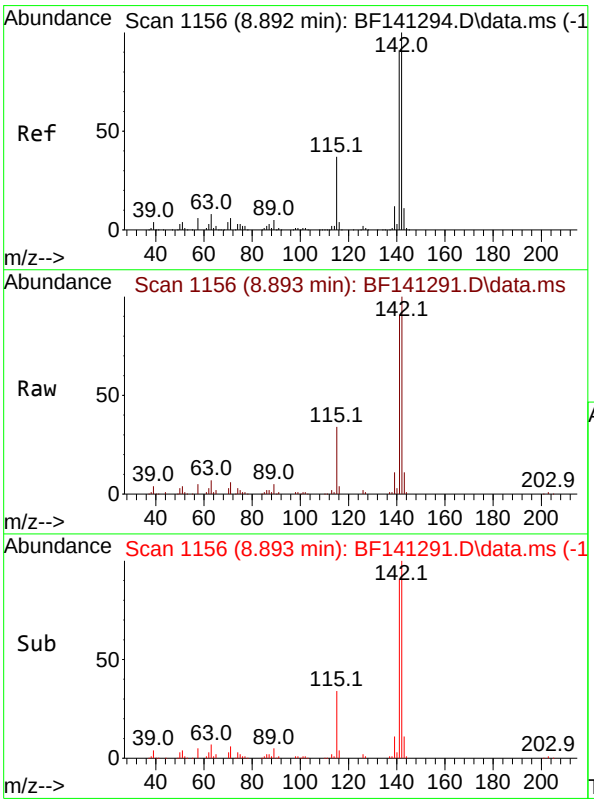
#37
2-Methylnaphthalene
Concen: 5.634 ng
RT: 8.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 100305

Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.3	106.9

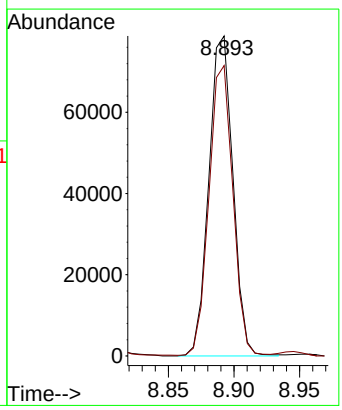


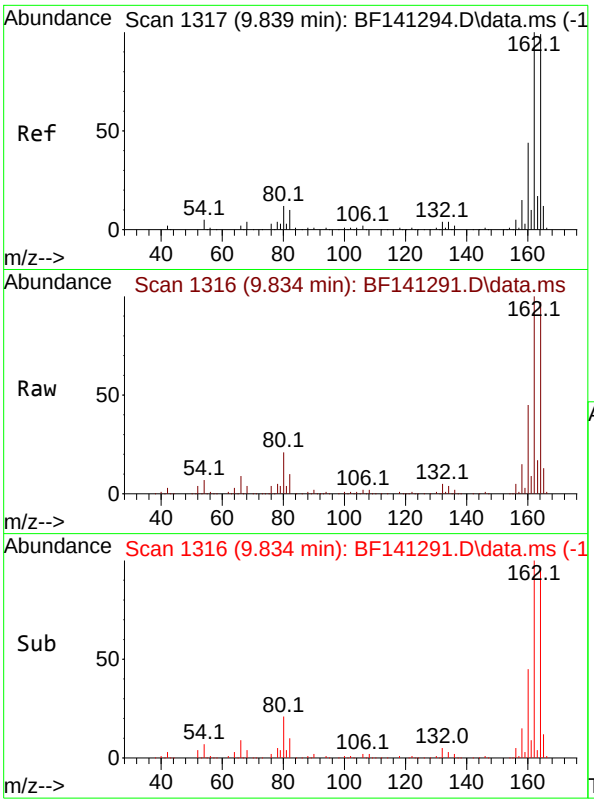


#38
1-Methylnaphthalene
Concen: 5.767 ng
RT: 8.893 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:142 Resp: 100569

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.2	109.8



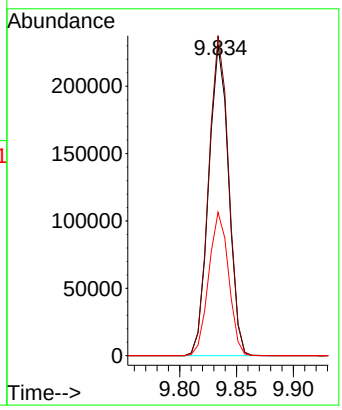


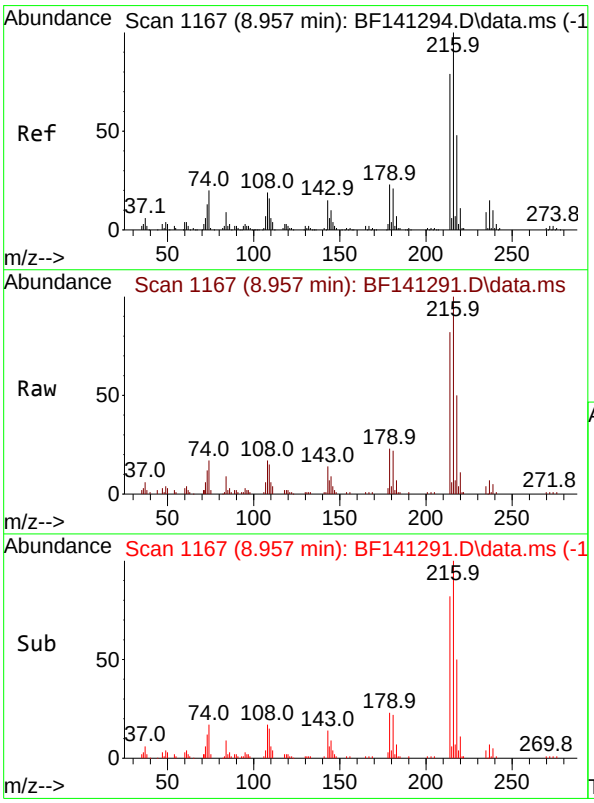
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 281034

Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.6	121.0
160	46.2	35.8	53.6

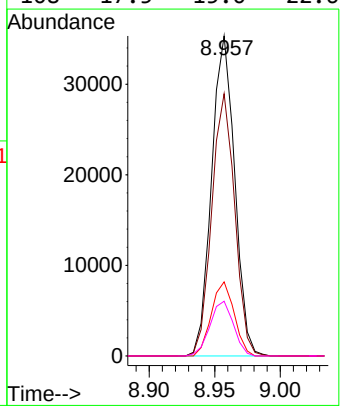


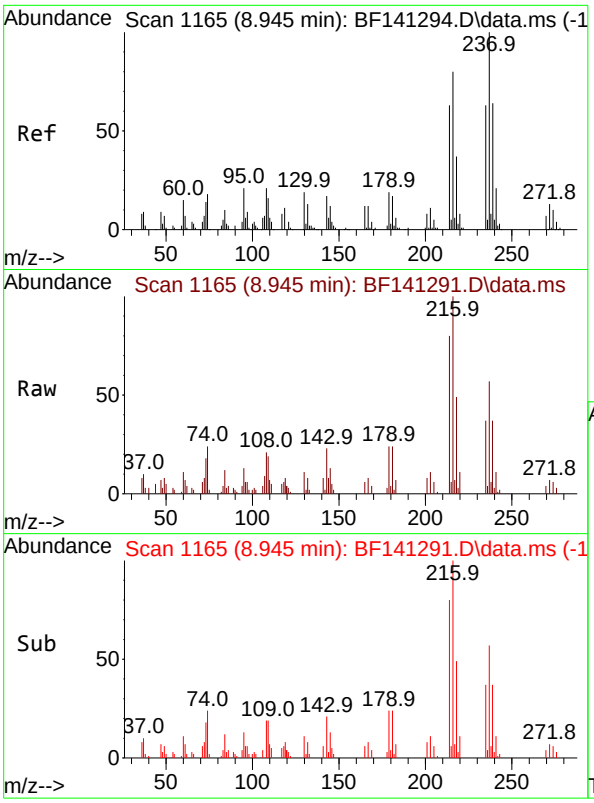


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.410 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:216 Resp: 43228

Ion	Ratio	Lower	Upper
216	100		
214	81.4	63.2	94.8
179	22.9	17.8	26.8
108	17.5	15.0	22.6



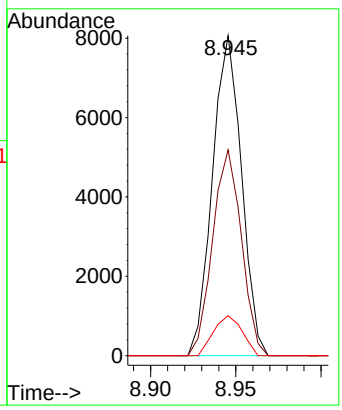


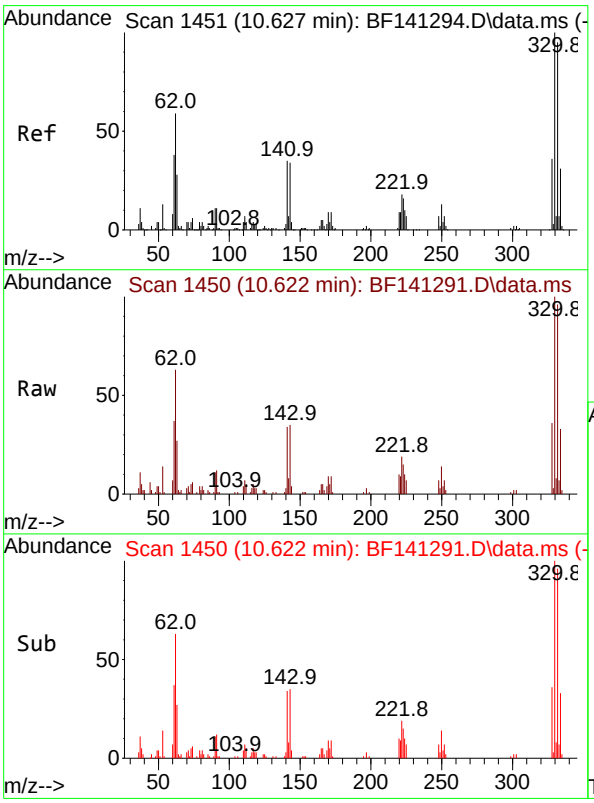
#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 9555

Ion	Ratio	Lower	Upper
237	100		
235	64.3	42.9	82.9
272	12.5	0.0	32.8

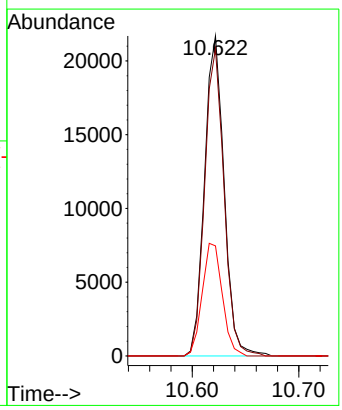


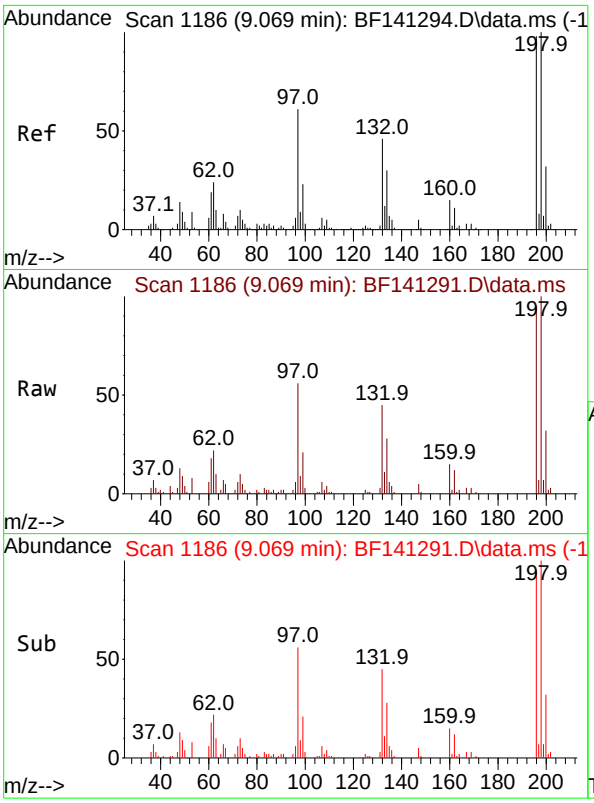


#42
2,4,6-Tribromophenol
Concen: 10.855 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:330 Resp: 27799

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.1	114.1
141	36.2	28.8	43.2



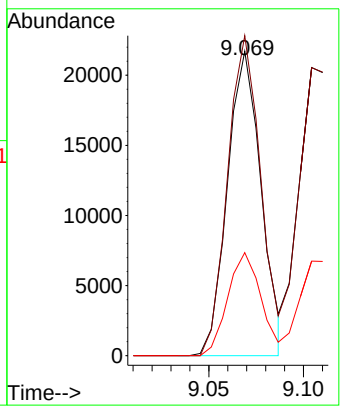


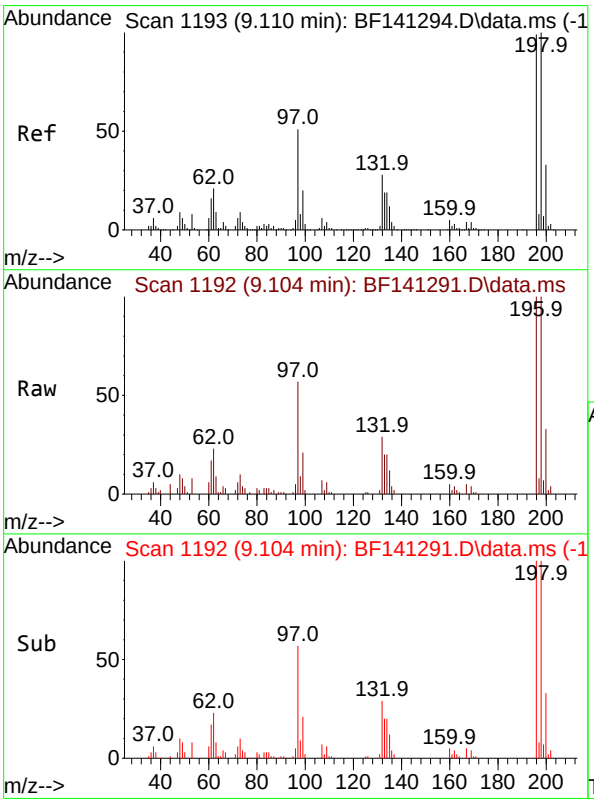
#43
2,4,6-Trichlorophenol
Concen: 5.136 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 26790

Ion	Ratio	Lower	Upper
196	100		
198	105.1	81.8	122.6
200	33.8	26.3	39.5

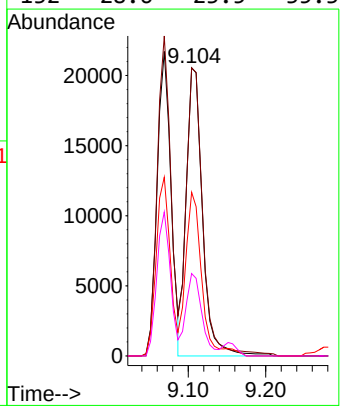


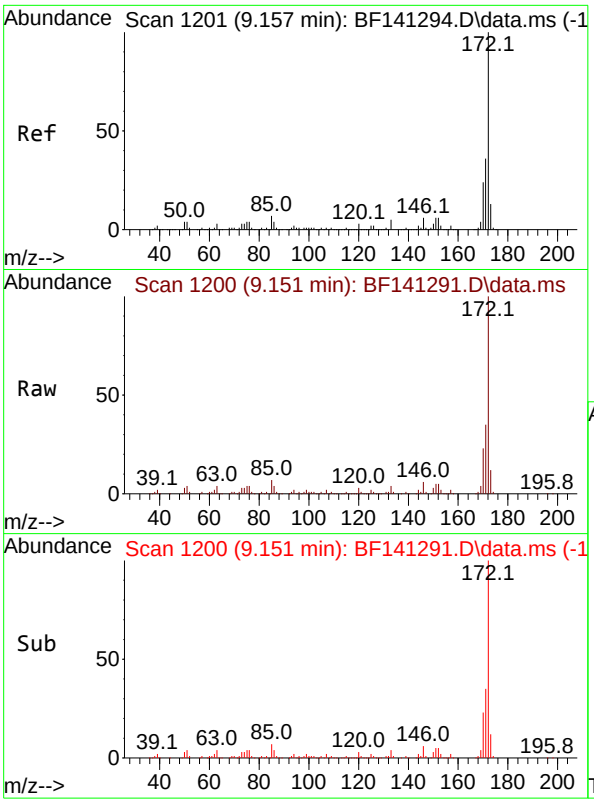


#44
2,4,5-Trichlorophenol
Concen: 5.309 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:196 Resp: 30127

Ion	Ratio	Lower	Upper
196	100		
198	100.0	80.5	120.7
97	56.8	42.8	64.2
132	28.6	23.5	35.3



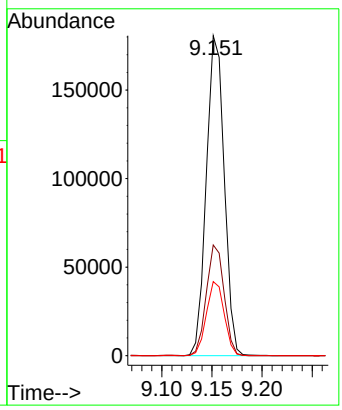


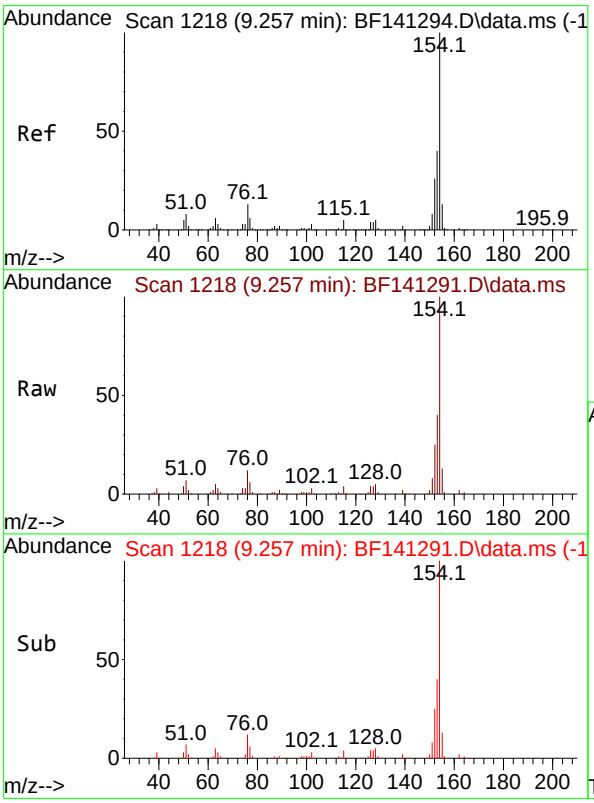
#45
2-Fluorobiphenyl
Concen: 12.320 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 224446

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.8	43.2
170	23.1	19.0	28.6

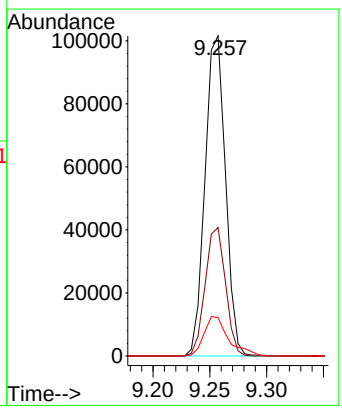


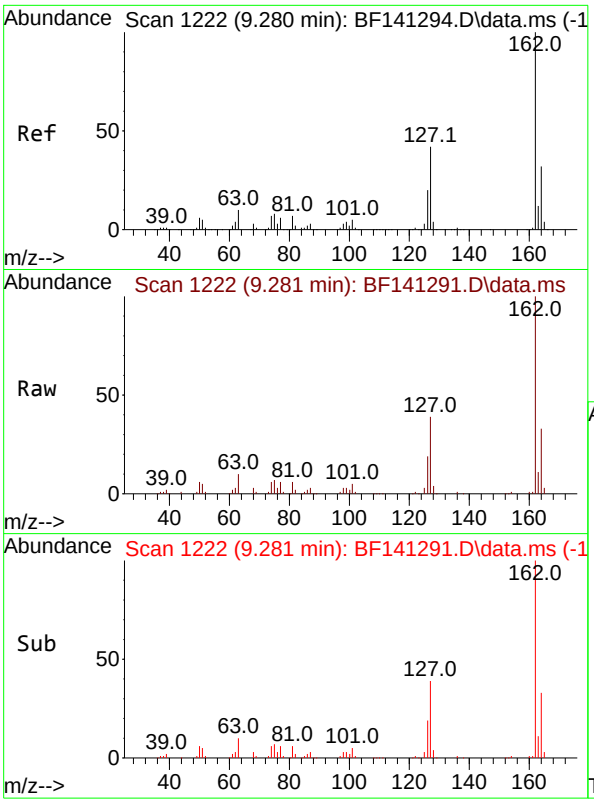


#46
1,1'-Biphenyl
Concen: 5.801 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:154 Resp: 127187

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	12.0	0.0	32.8



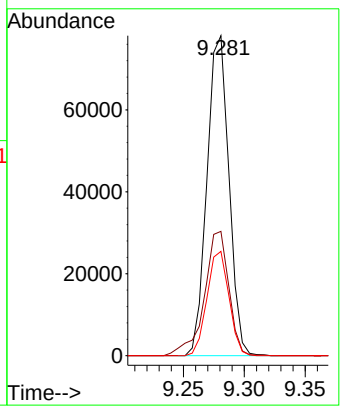


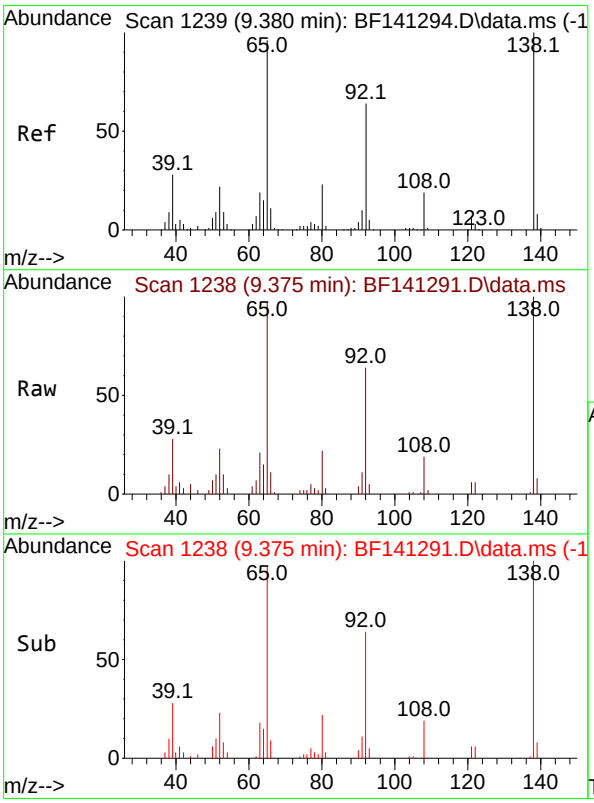
#47
2-Chloronaphthalene
Concen: 5.760 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 98081

Ion	Ratio	Lower	Upper
162	100		
127	38.8	33.7	50.5
164	32.6	25.9	38.9

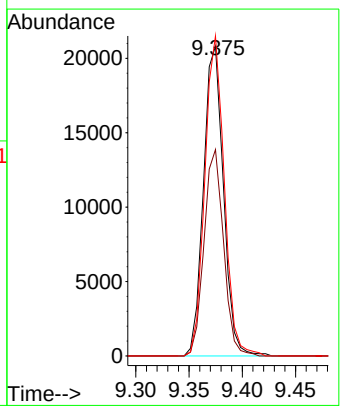


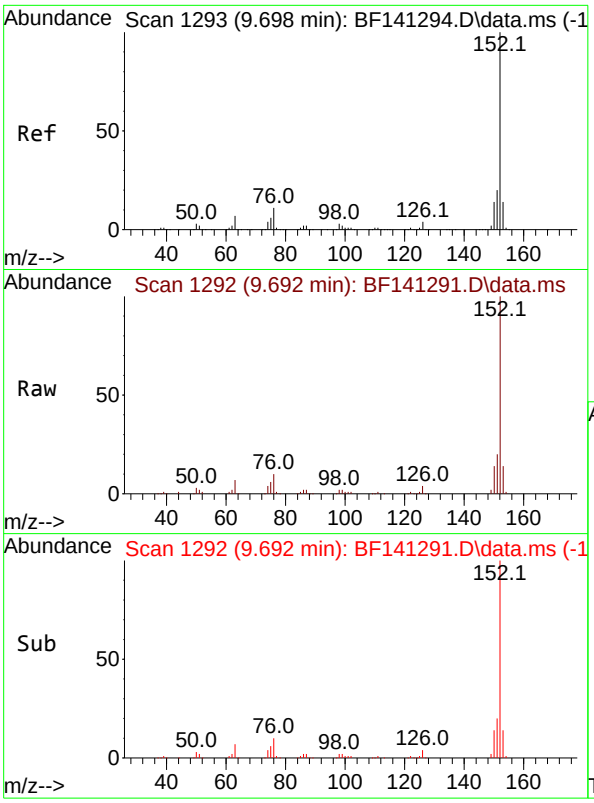


#48
2-Nitroaniline
Concen: 5.056 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 65 Resp: 27154

Ion	Ratio	Lower	Upper
65	100		
92	66.6	53.3	79.9
138	103.3	83.6	125.4



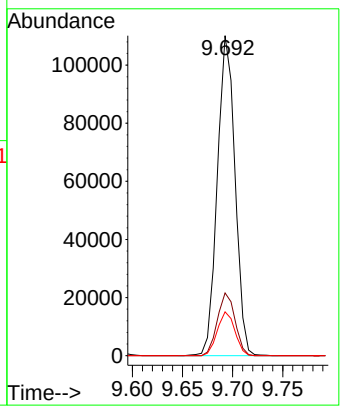


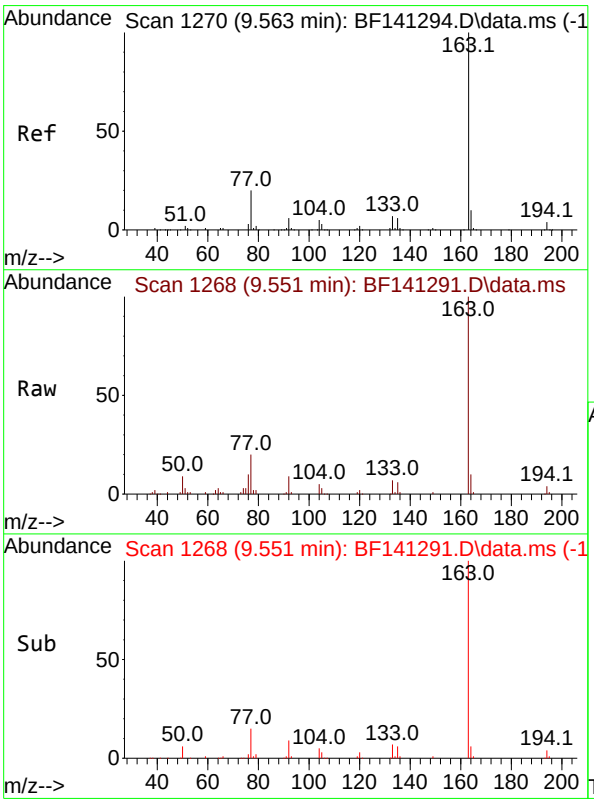
#49
Acenaphthylene
Concen: 5.643 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 134958

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.7	11.0	16.6

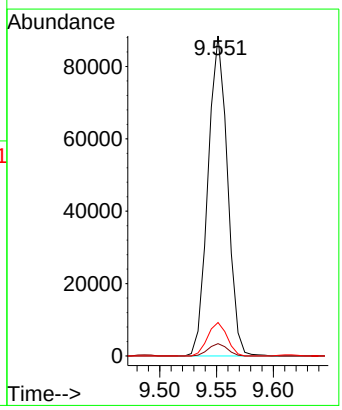


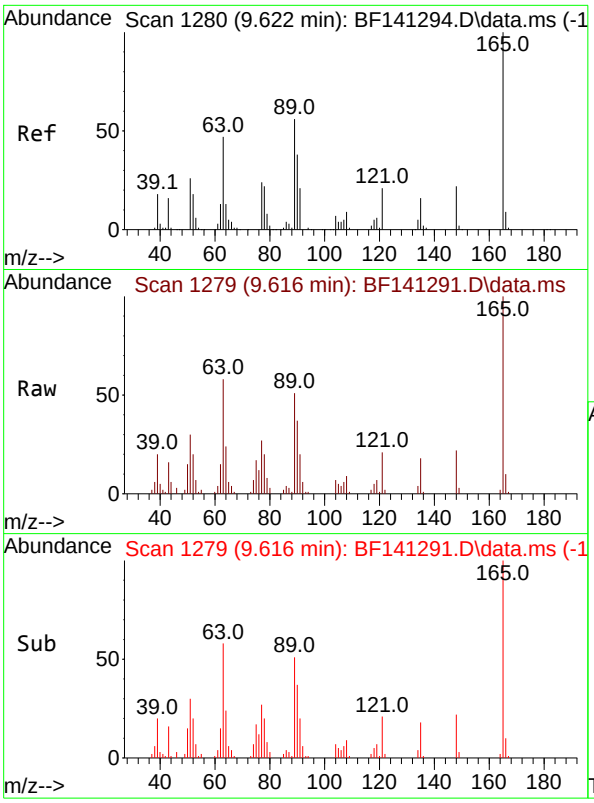


#50
Dimethylphthalate
Concen: 5.584 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:163 Resp: 105240

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.5	8.0	12.0



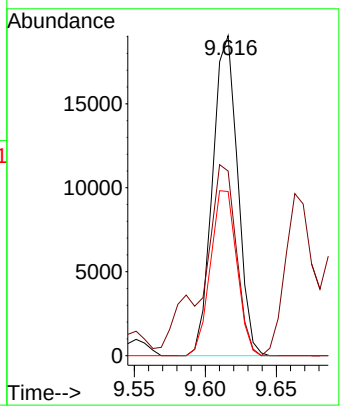


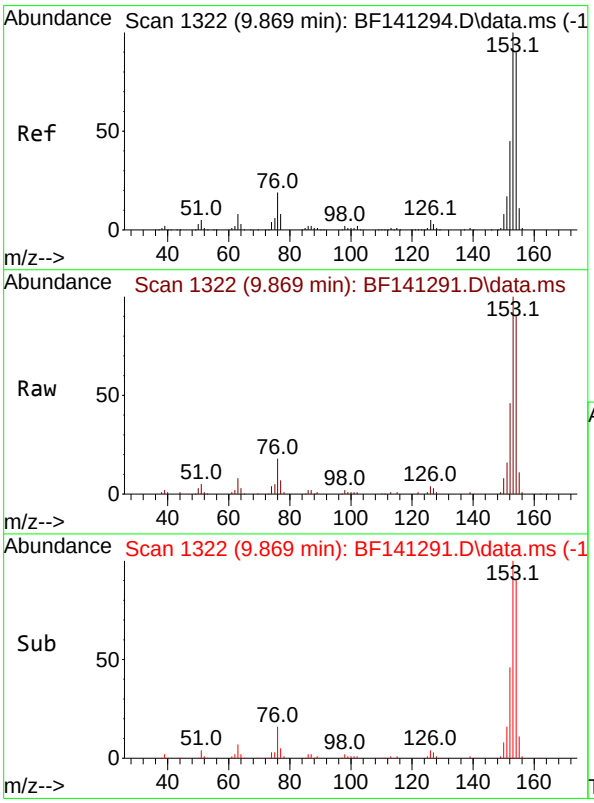
#51
2,6-Dinitrotoluene
Concen: 5.329 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 23372

Ion	Ratio	Lower	Upper
165	100		
63	57.7	48.1	72.1
89	51.3	44.9	67.3

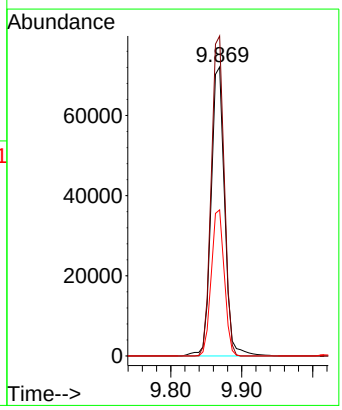


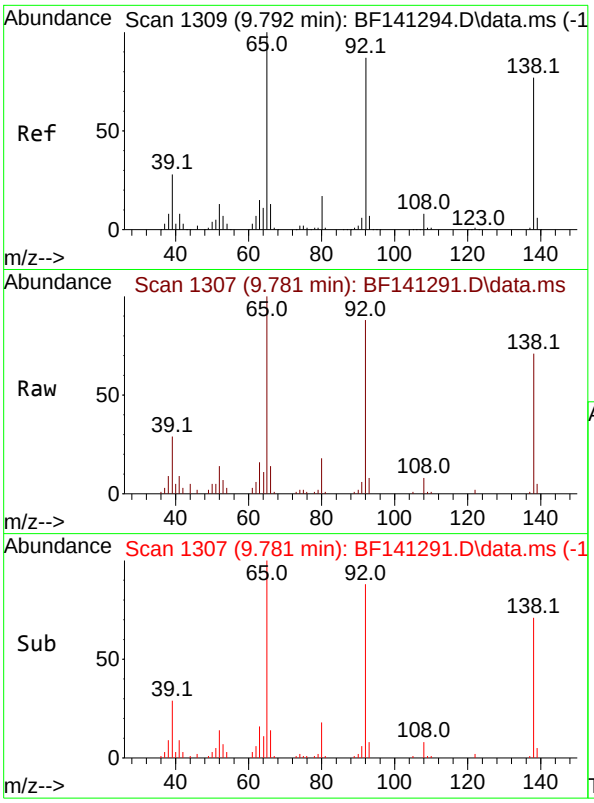


#52
Acenaphthene
Concen: 5.617 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:154 Resp: 95591

Ion	Ratio	Lower	Upper
154	100		
153	110.8	89.0	133.4
152	50.6	40.2	60.4



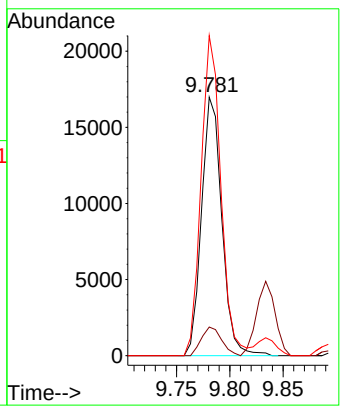


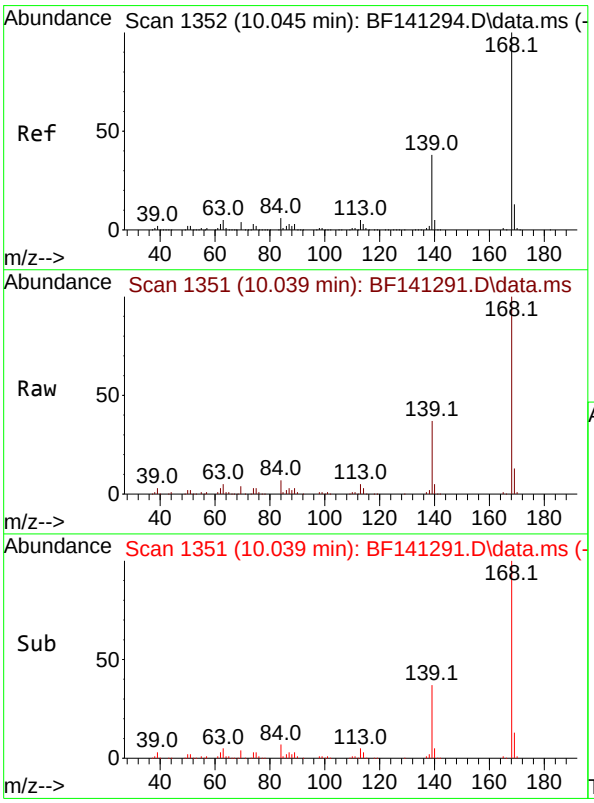
#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 22582

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	123.7	91.0	136.6

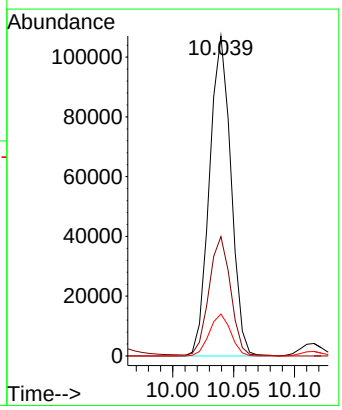


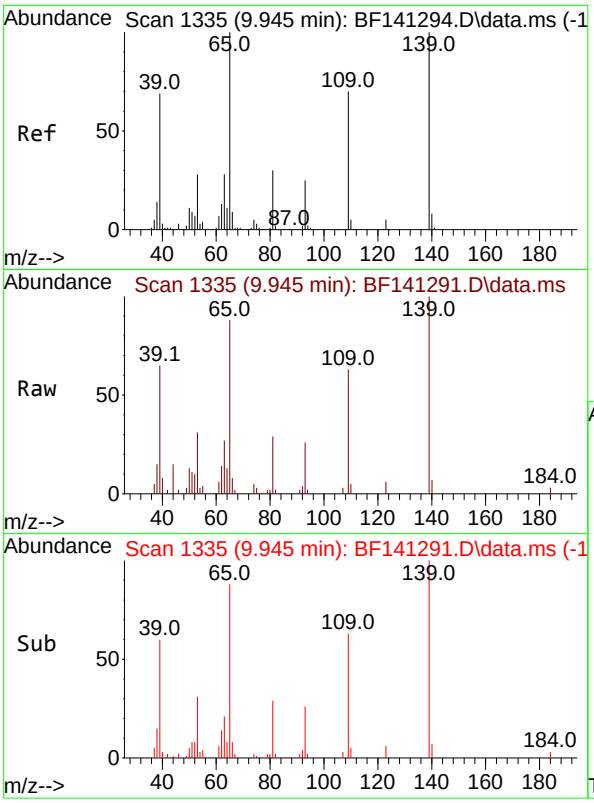


#55
Dibenzofuran
Concen: 5.769 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:168 Resp: 131288

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.6	46.0
169	13.1	10.8	16.2



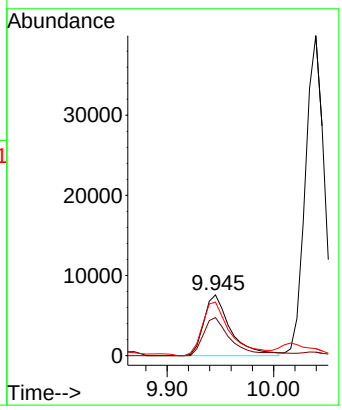


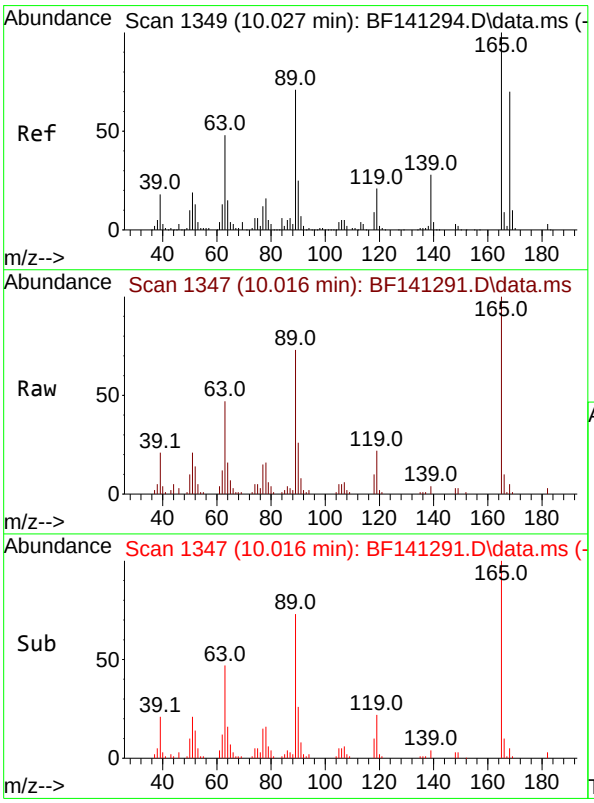
#56
4-Nitrophenol
Concen: 4.226 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 13160

Ion	Ratio	Lower	Upper
139	100		
109	62.7	50.2	90.2
65	88.2	80.6	120.6

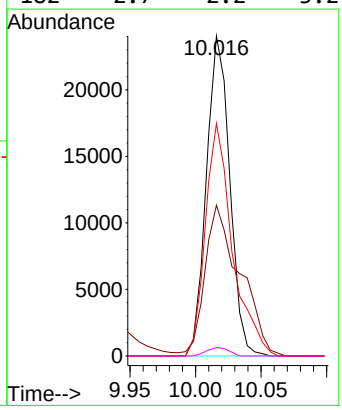


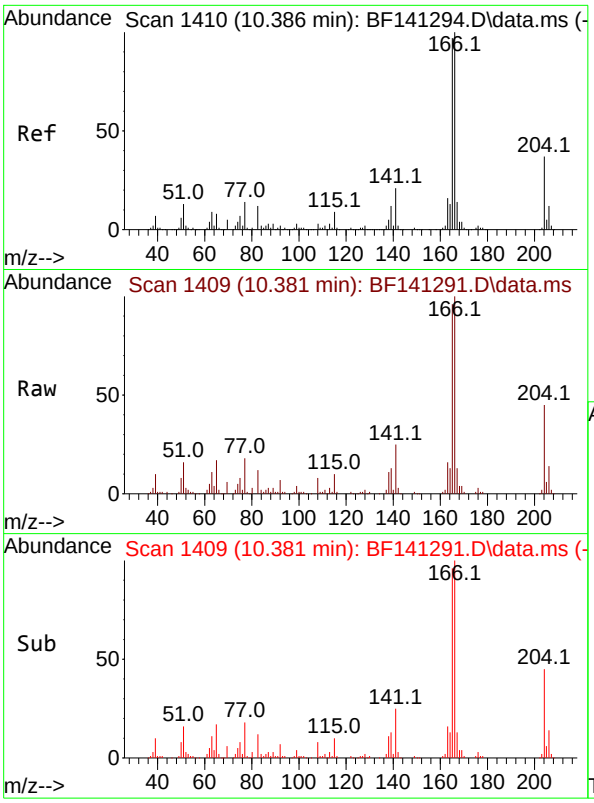


#57
2,4-Dinitrotoluene
Concen: 5.268 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:165 Resp: 29799

Ion	Ratio	Lower	Upper
165	100		
63	47.1	39.2	58.8
89	72.7	56.9	85.3
182	2.7	2.2	3.2



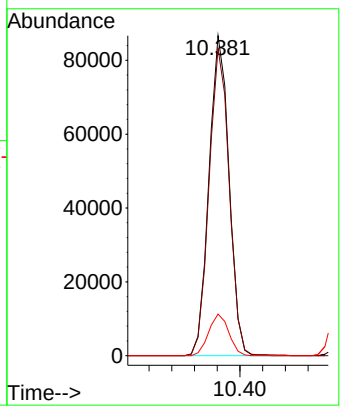


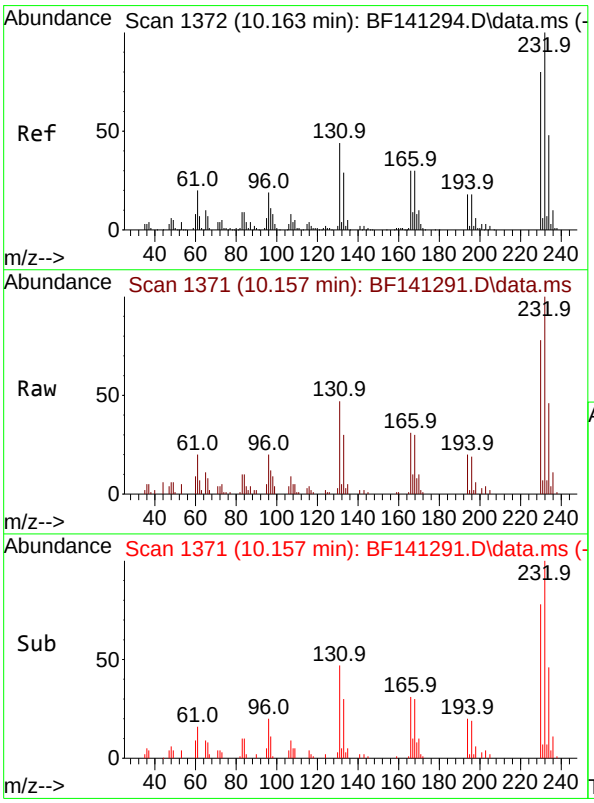
#58
Fluorene
Concen: 6.002 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 106198

Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.5	116.3
167	13.0	10.9	16.3

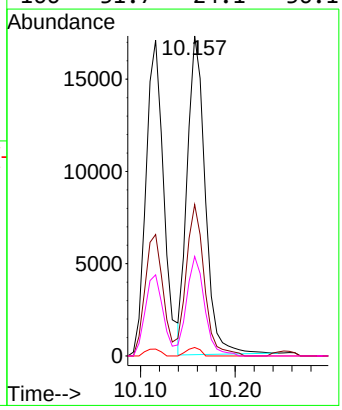


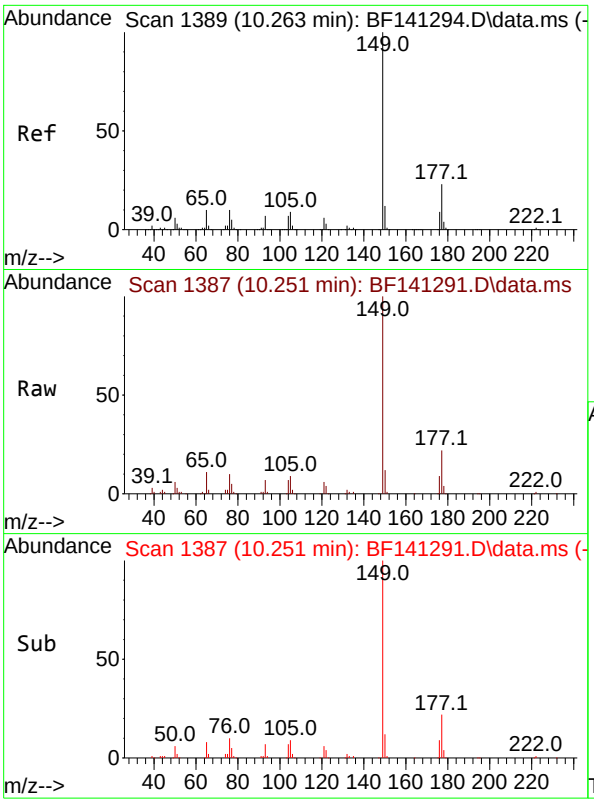


#59
2,3,4,6-Tetrachlorophenol
Concen: 5.090 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:232 Resp: 22818

Ion	Ratio	Lower	Upper
232	100		
131	48.3	36.4	54.6
130	2.1	1.9	2.9
166	31.7	24.1	36.1



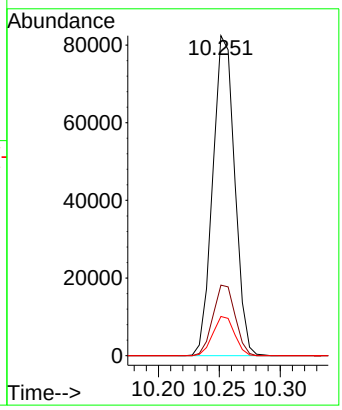


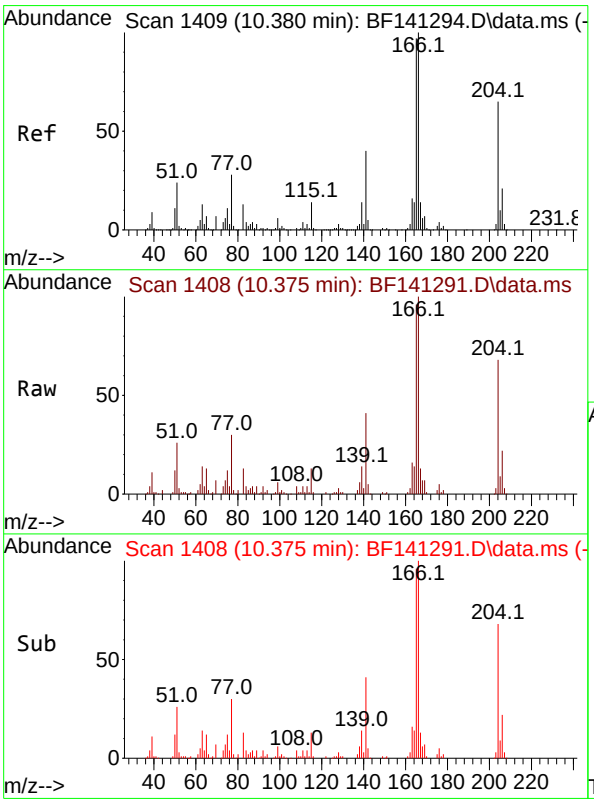
#60
Diethylphthalate
Concen: 5.660 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 103307

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.5	27.7
150	12.3	10.0	15.0

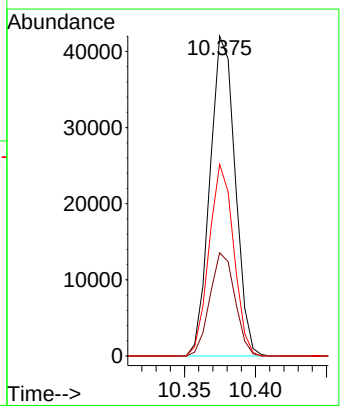


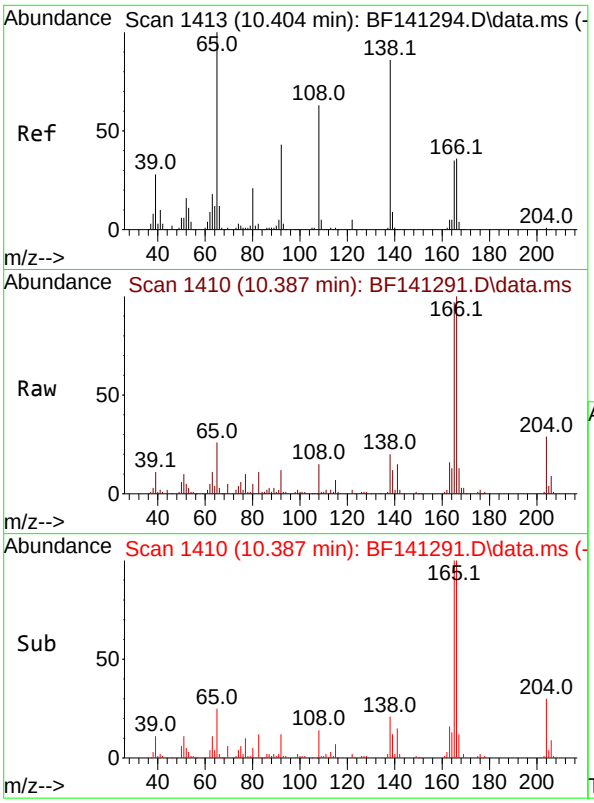


#61
4-Chlorophenyl-phenylether
Concen: 6.007 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:204 Resp: 51875

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.9	38.9
141	59.9	49.5	74.3



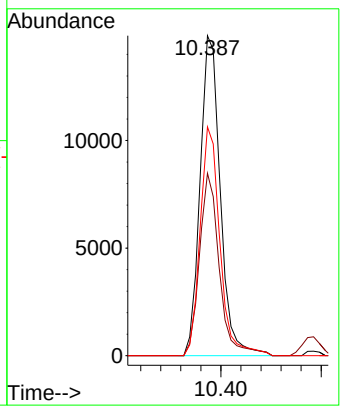


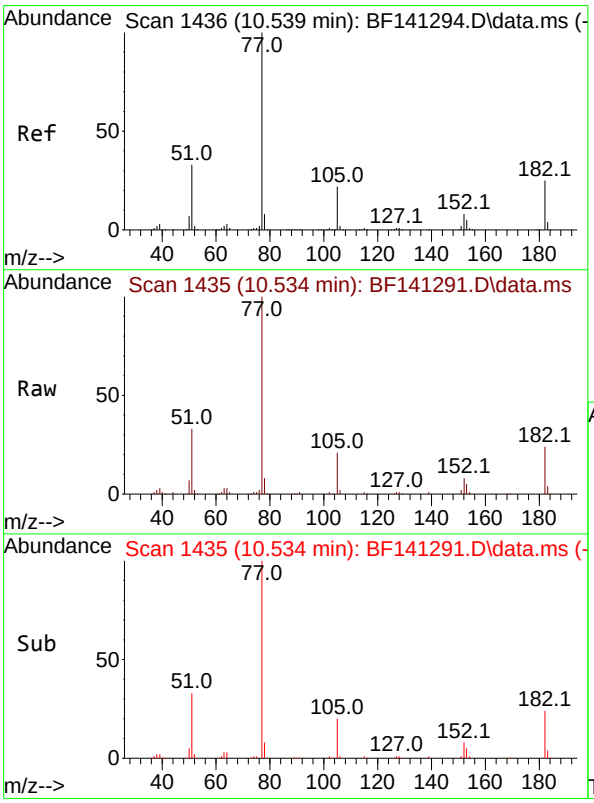
#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 20870

Ion	Ratio	Lower	Upper
138	100		
92	57.0	30.1	70.1
108	71.5	53.1	93.1

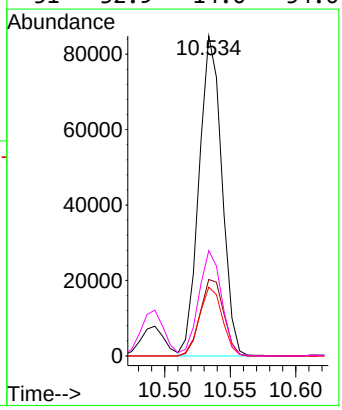


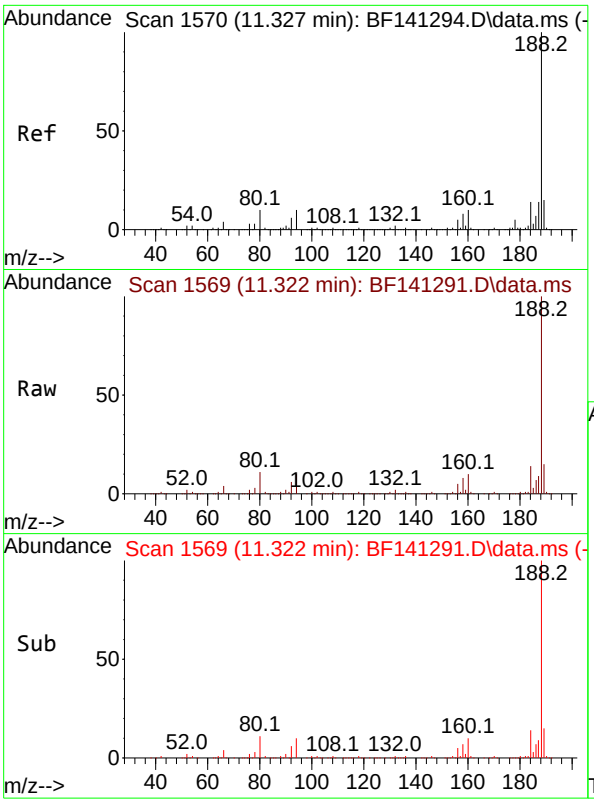


#63
Azobenzene
Concen: 5.623 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 102878

Ion	Ratio	Lower	Upper
77	100		
182	23.9	5.1	45.1
105	21.5	1.8	41.8
51	32.9	14.0	54.0



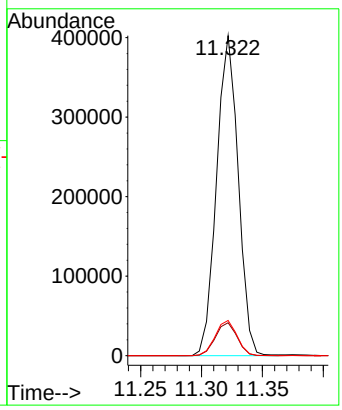


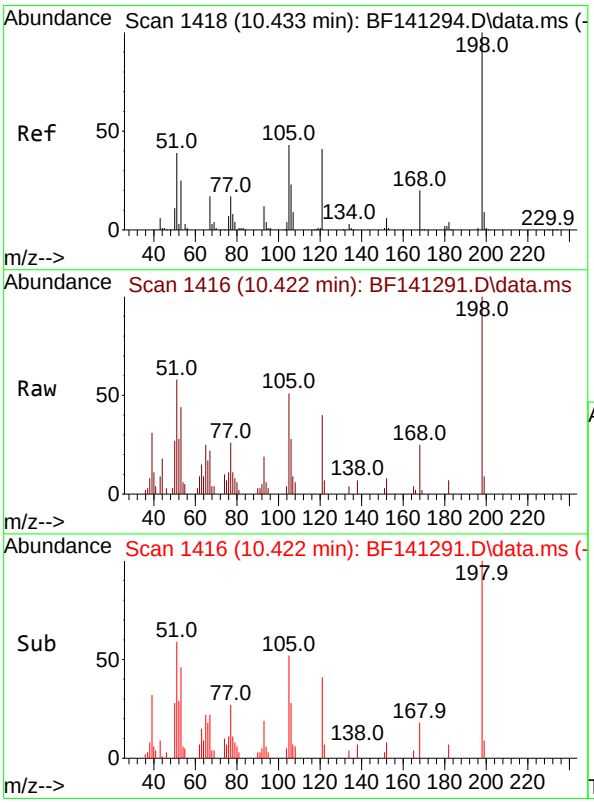
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 497368

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	11.0	8.2	12.4

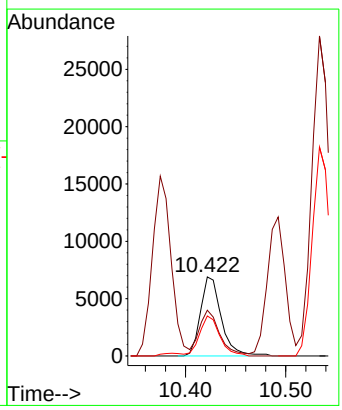


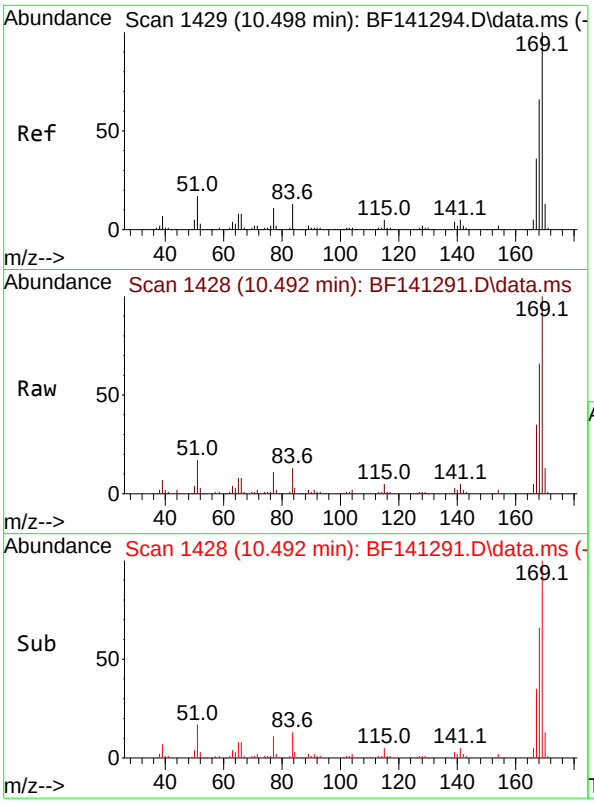


#65
4,6-Dinitro-2-methylphenol
Concen: 3.353 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:198 Resp: 9960

Ion	Ratio	Lower	Upper
198	100		
51	57.8	33.4	73.4
105	50.6	24.4	64.4



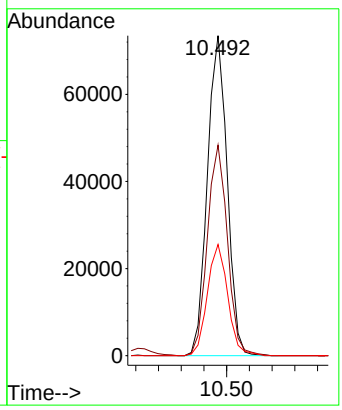


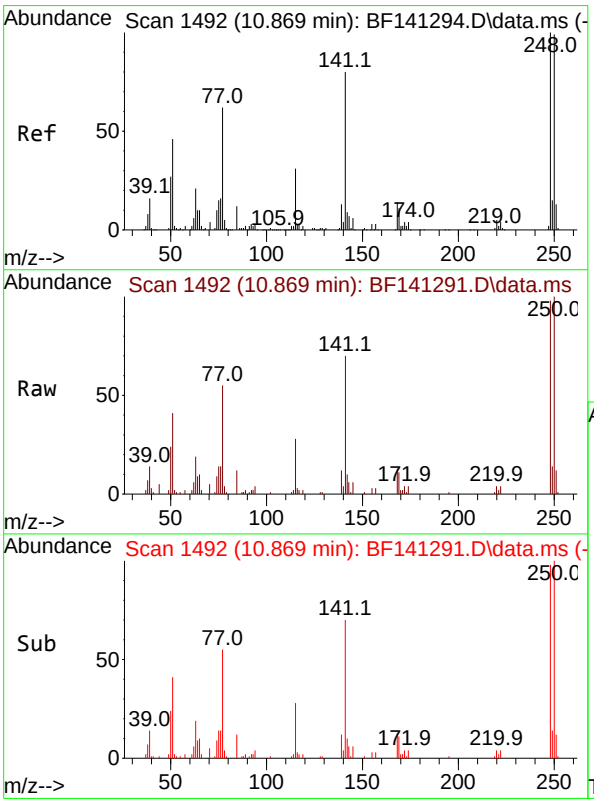
#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 89060

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.4
167	34.7	28.8	43.2

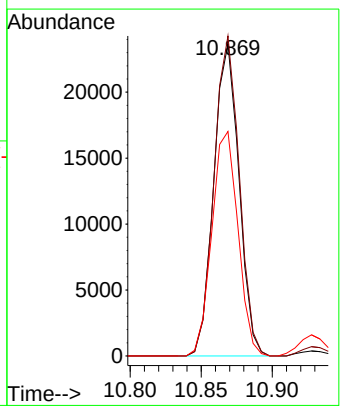


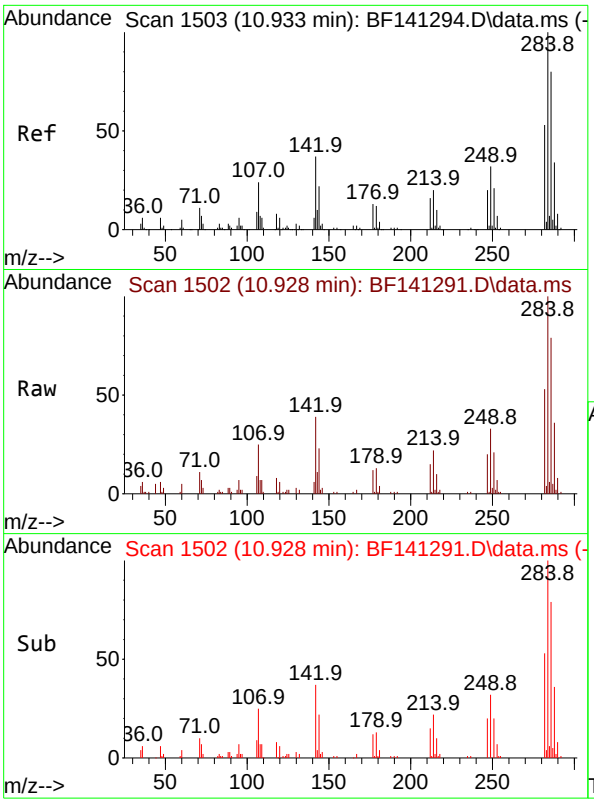


#67
4-Bromophenyl-phenylether
Concen: 5.245 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:248 Resp: 29160

Ion	Ratio	Lower	Upper
248	100		
250	102.5	79.0	118.4
141	71.9	63.7	95.5



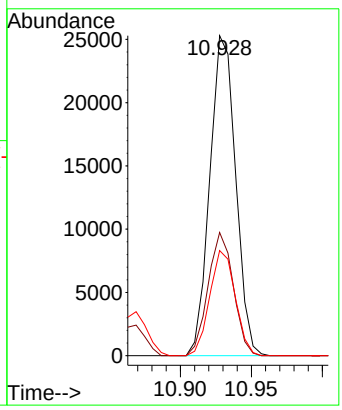


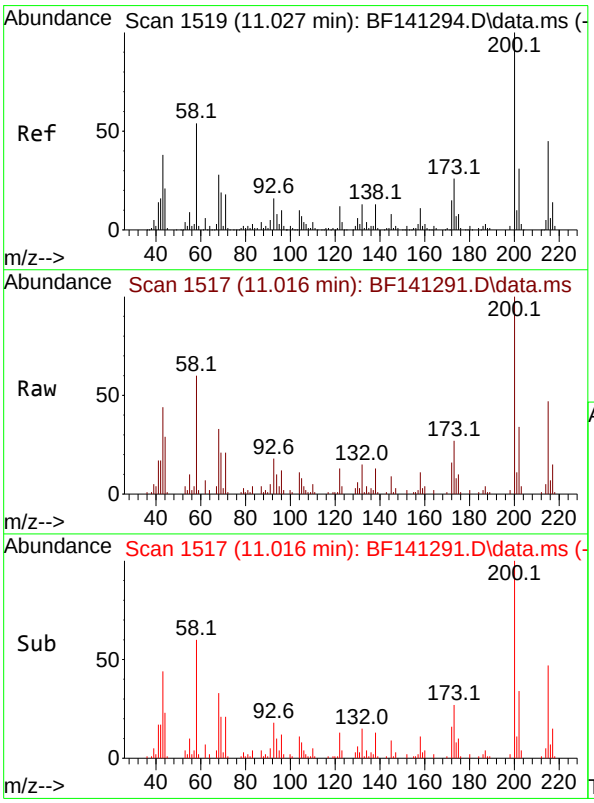
#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 31990

Ion	Ratio	Lower	Upper
284	100		
142	38.5	29.5	44.3
249	32.8	25.4	38.2

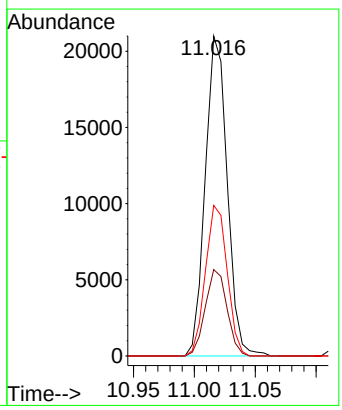


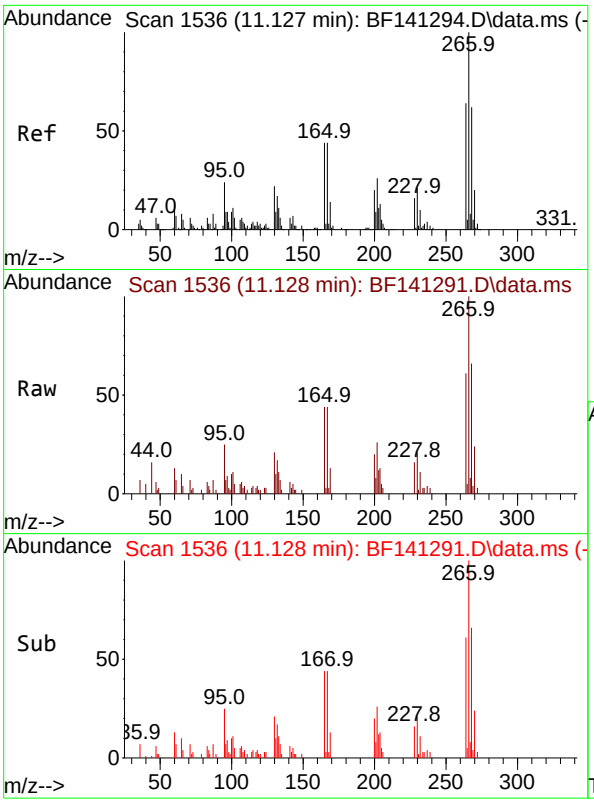


#69
Atrazine
Concen: 4.855 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:200 Resp: 26258

Ion	Ratio	Lower	Upper
200	100		
173	27.0	5.9	45.9
215	47.0	25.2	65.2



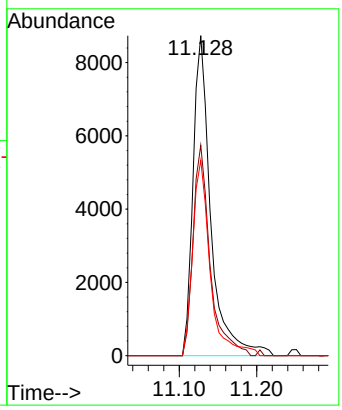


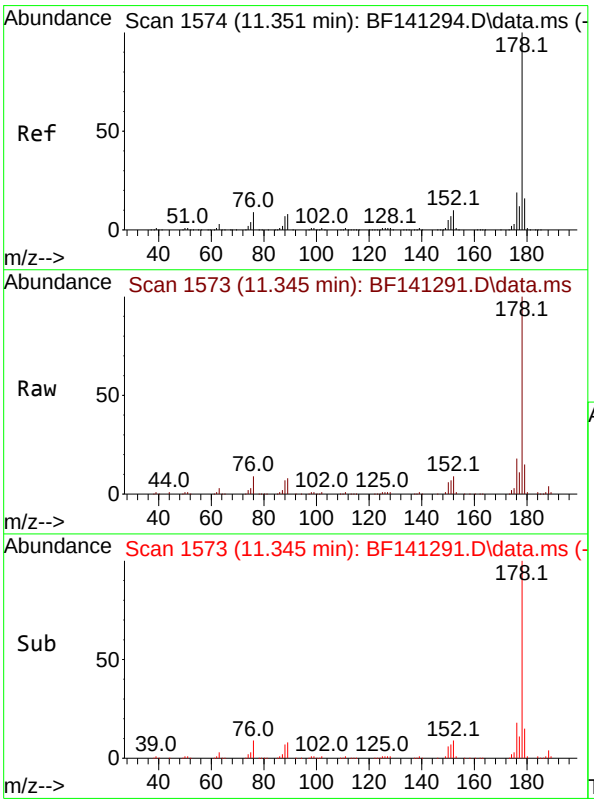
#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 13924

Ion	Ratio	Lower	Upper
266	100		
268	65.7	49.9	74.9
264	61.1	51.0	76.4

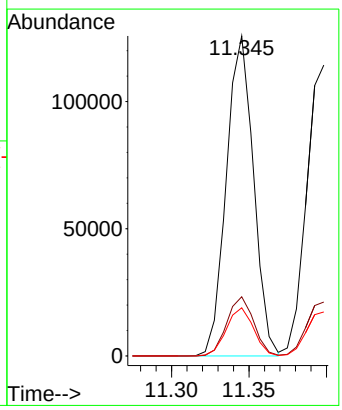


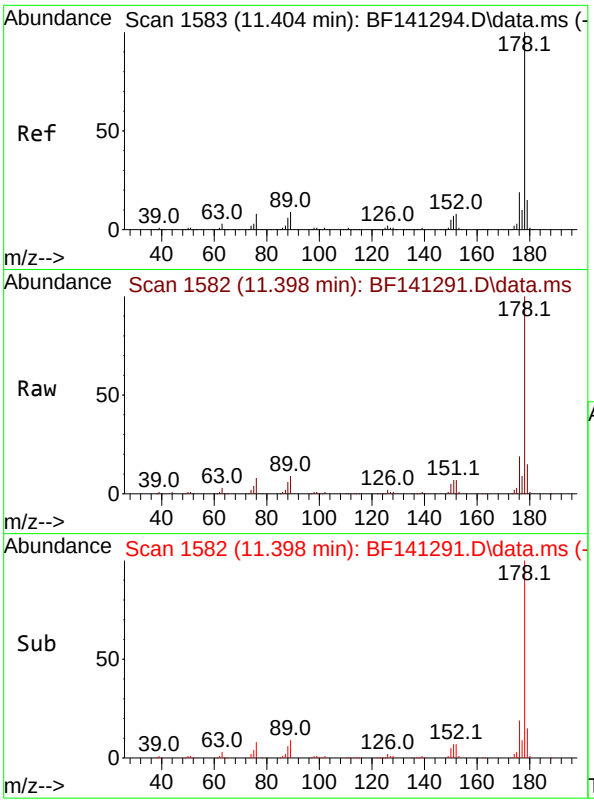


#71
Phenanthrene
Concen: 5.738 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:178 Resp: 153320

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.0	12.5	18.7



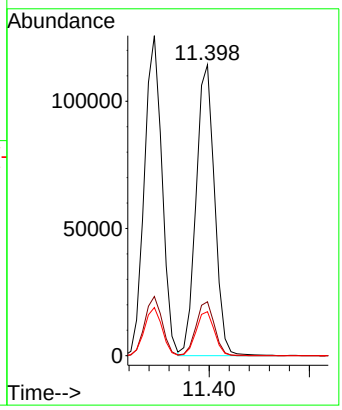


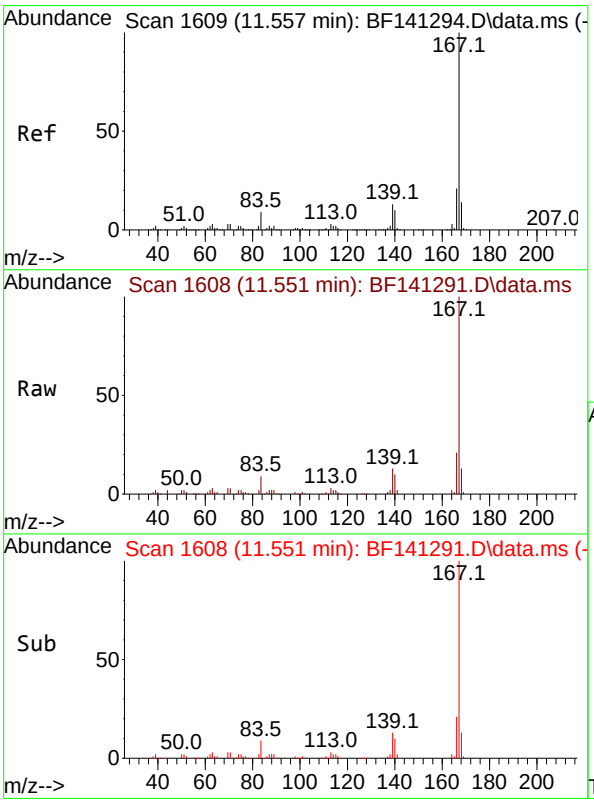
#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 146593

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.1	12.3	18.5

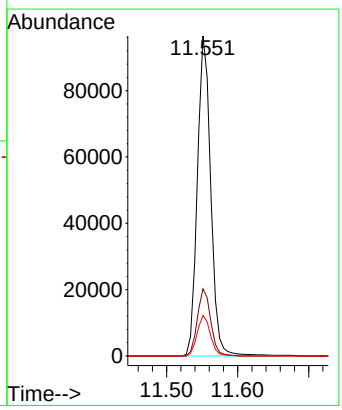


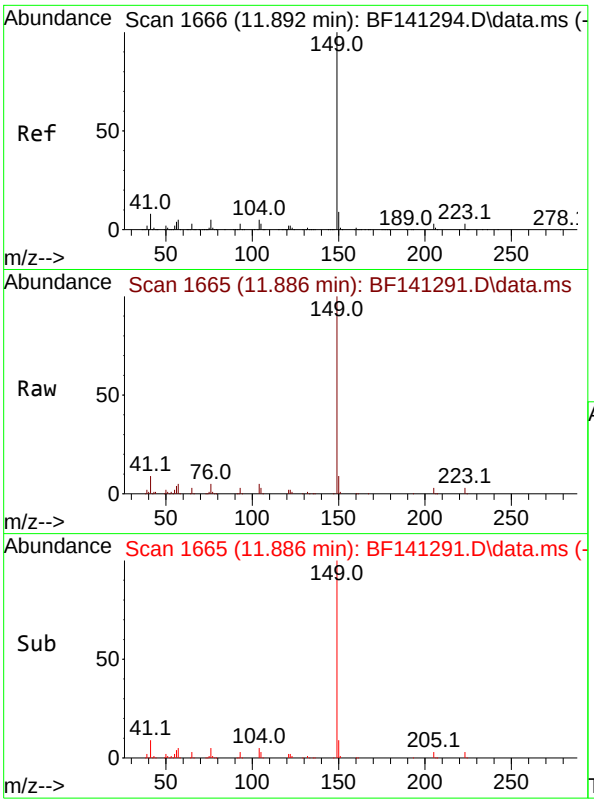


#73
Carbazole
Concen: 5.491 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:167 Resp: 126760

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.6	10.6	16.0



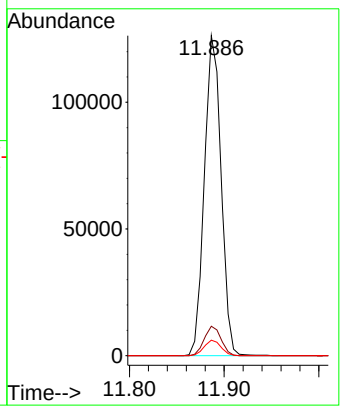


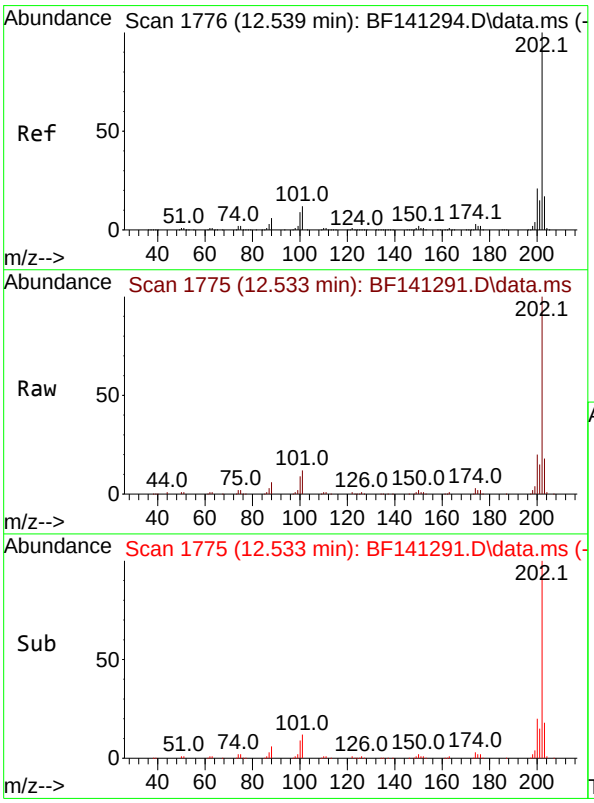
#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 154718

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.9	5.9

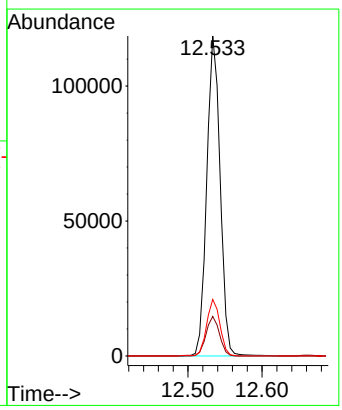


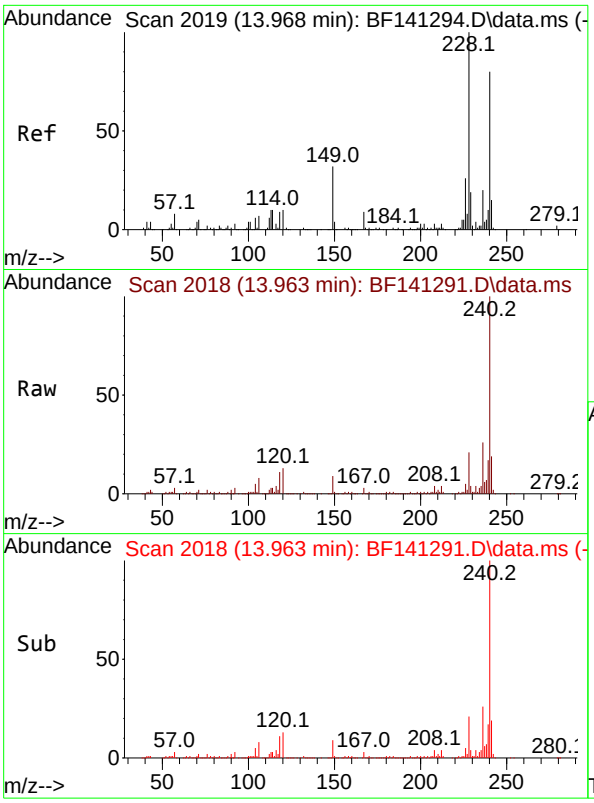


#75
Fluoranthene
Concen: 5.696 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:202 Resp: 148553

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.7
203	17.6	0.0	37.5



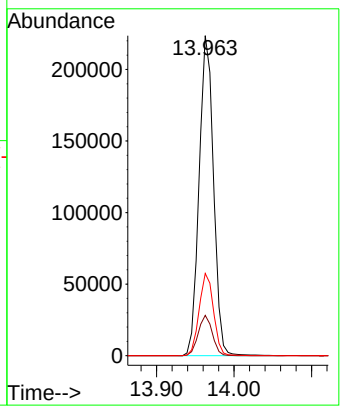


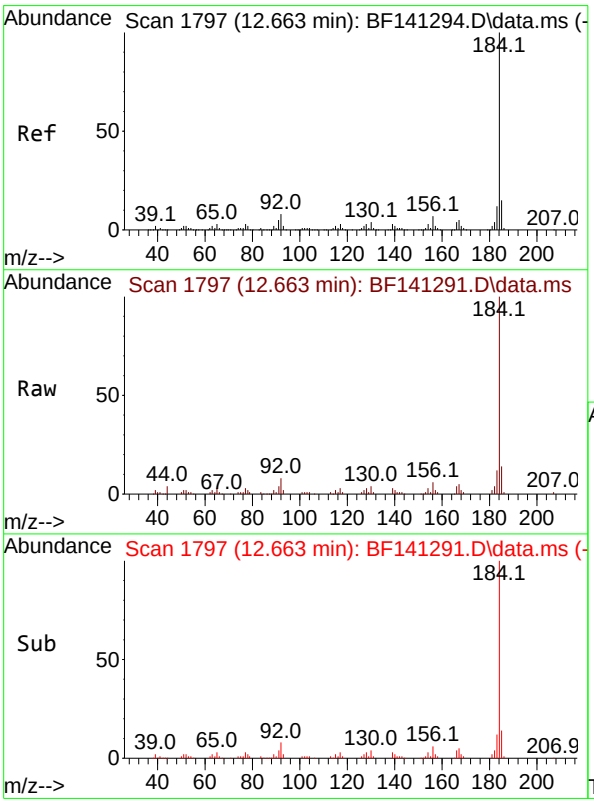
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 288657

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.0	15.0
236	25.7	19.7	29.5

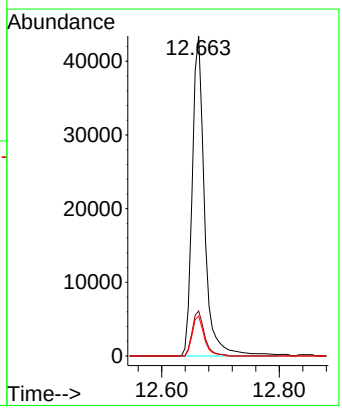


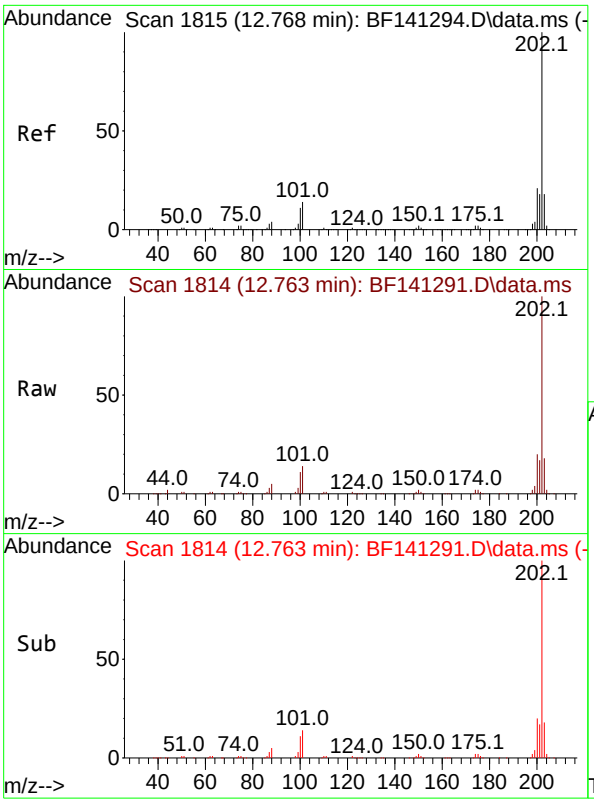


#77
Benzidine
Concen: 7.253 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:184 Resp: 63661

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.9	17.9
183	12.4	9.5	14.3



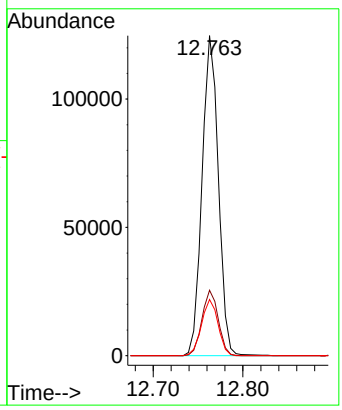


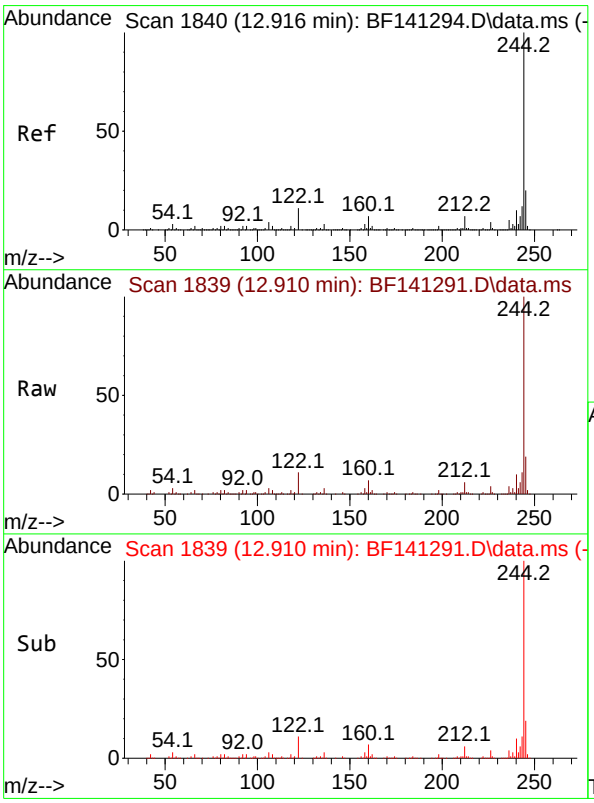
#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 157175

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	17.6	14.3	21.5

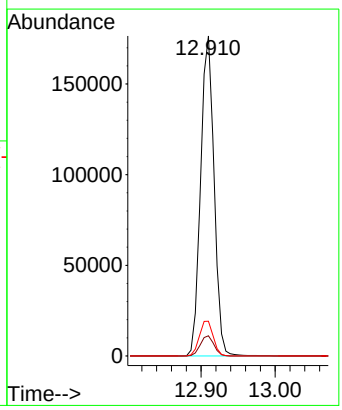


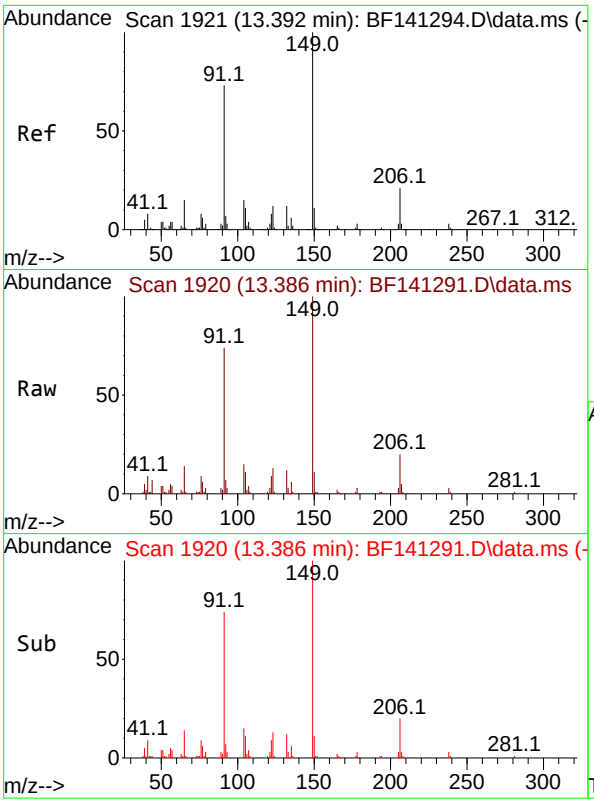


#79
Terphenyl-d14
Concen: 11.874 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:244 Resp: 222747

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.9	8.8	13.2



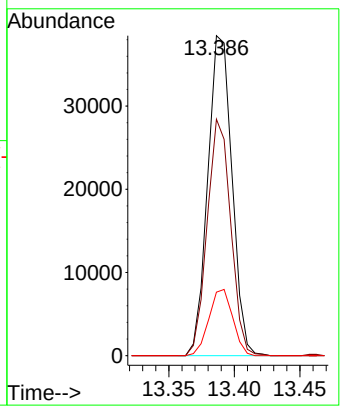


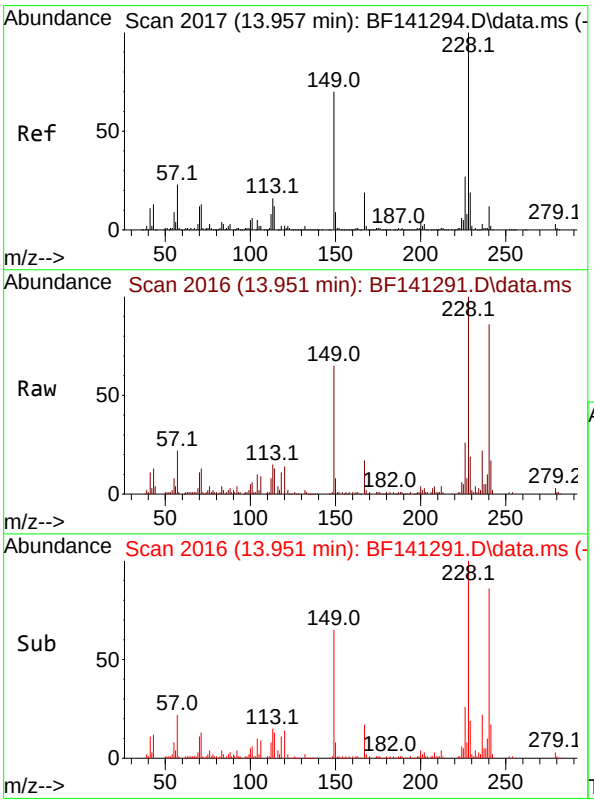
#80
Butylbenzylphthalate
Concen: 5.140 ng
RT: 13.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 49477

Ion	Ratio	Lower	Upper
149	100		
91	73.9	58.6	87.8
206	19.9	16.7	25.1

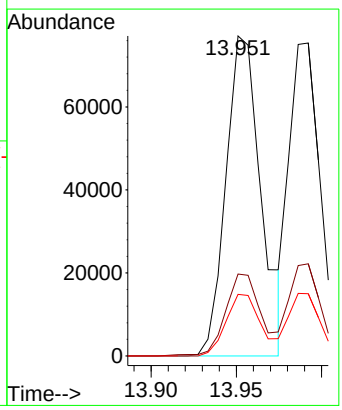


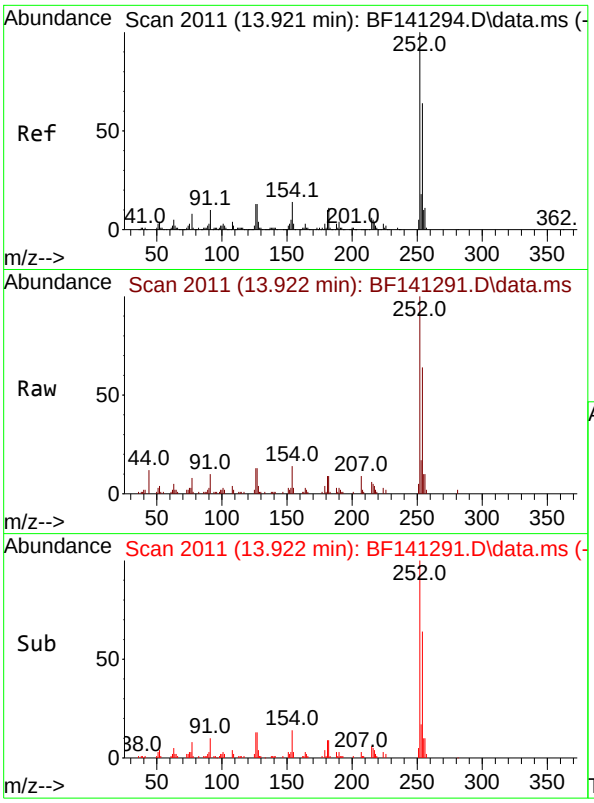


#81
Benzo(a)anthracene
Concen: 5.588 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:228 Resp: 110559

Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.4	32.2
229	19.3	15.5	23.3



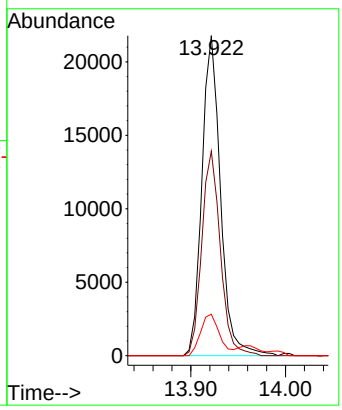


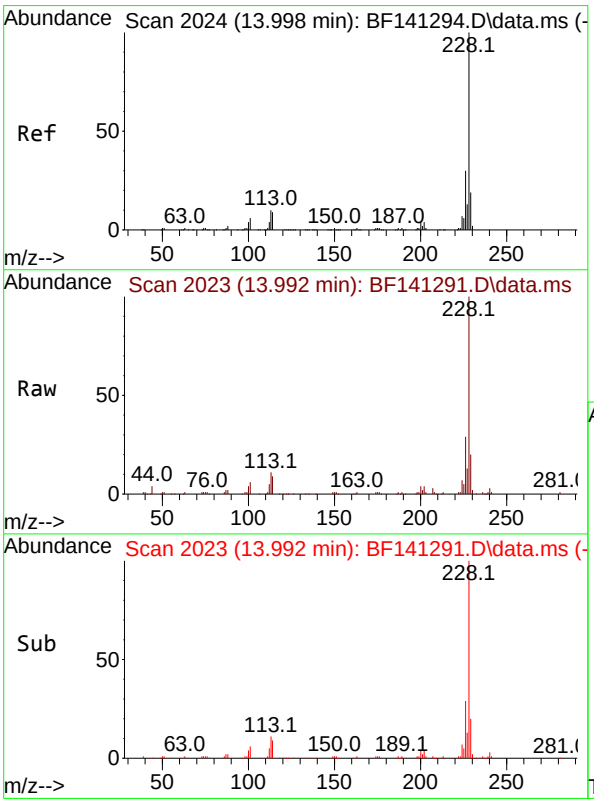
#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 29754

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.3	76.9
126	13.0	10.0	15.0

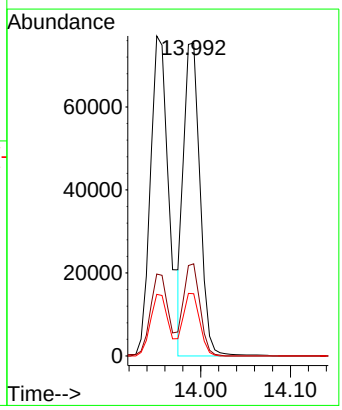


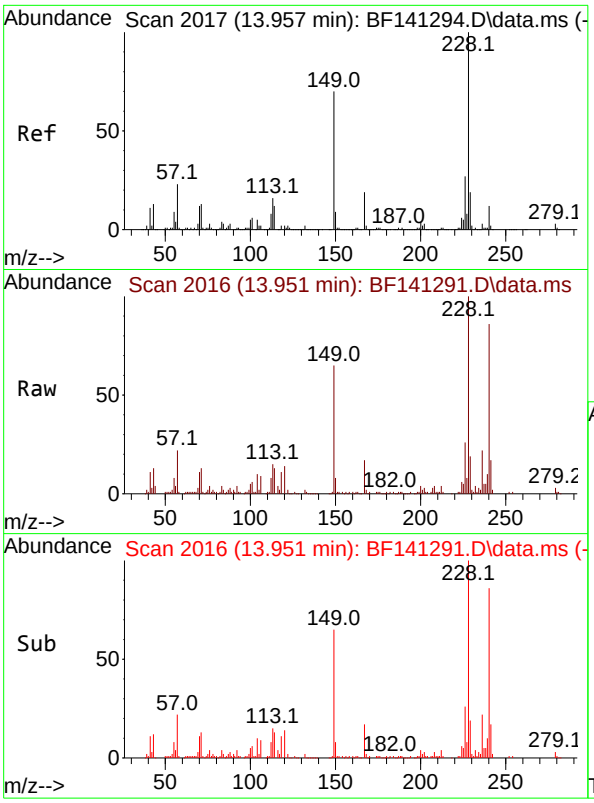


#83
Chrysene
Concen: 5.238 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:228 Resp: 96099

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	19.9	15.6	23.4



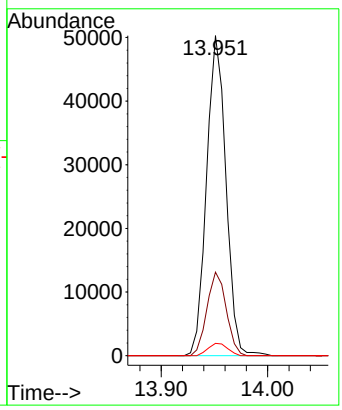


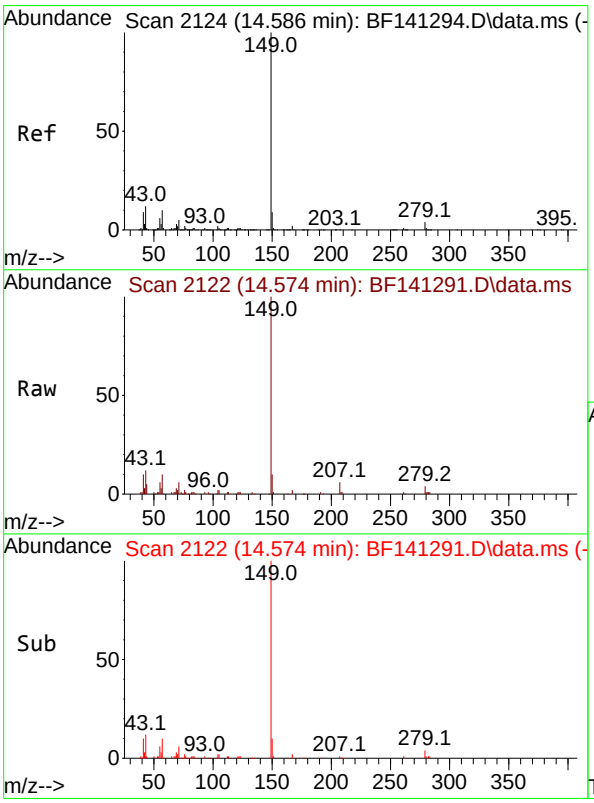
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 63638

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.8	32.8
279	3.9	3.3	4.9

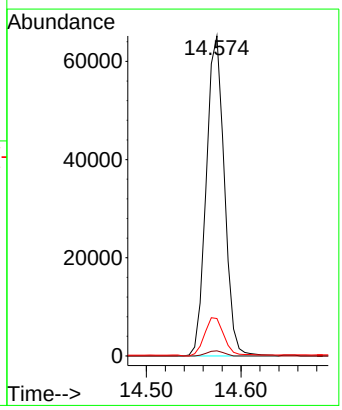


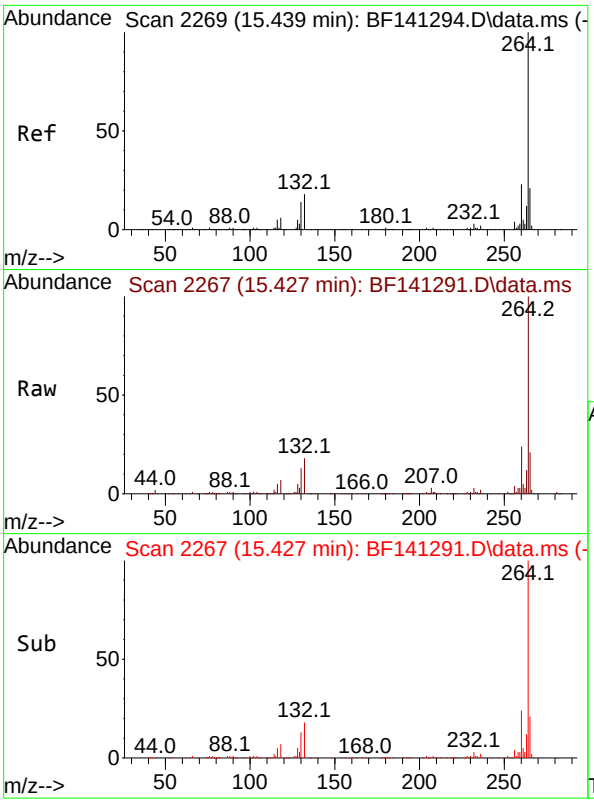


#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:149 Resp: 86163

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.3	9.8	14.8



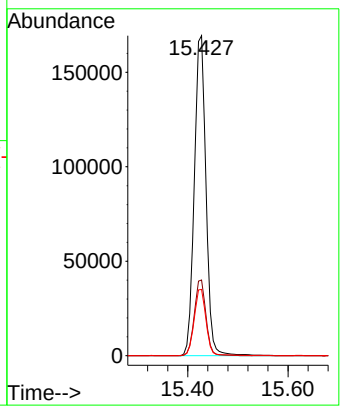


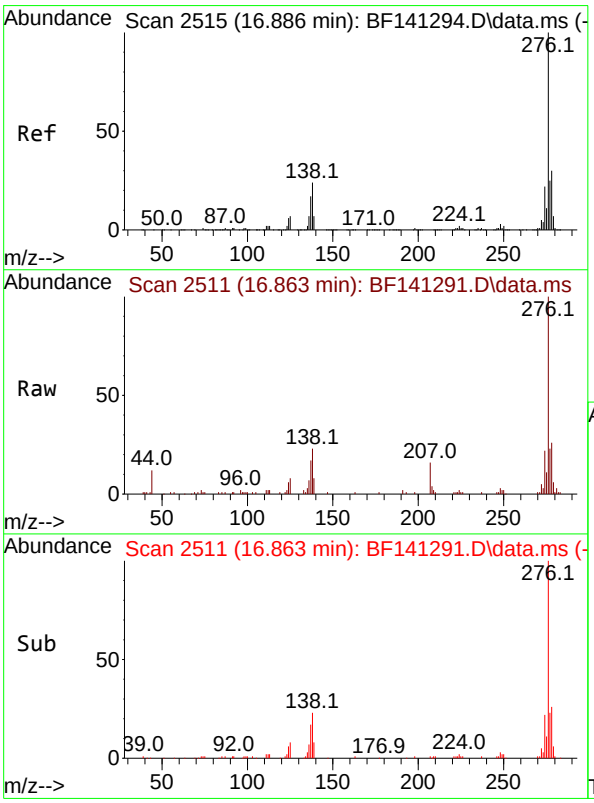
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 273117

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	20.7	16.7	25.1

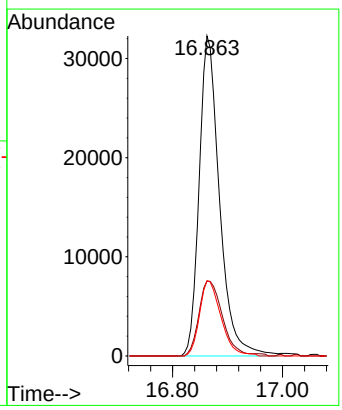


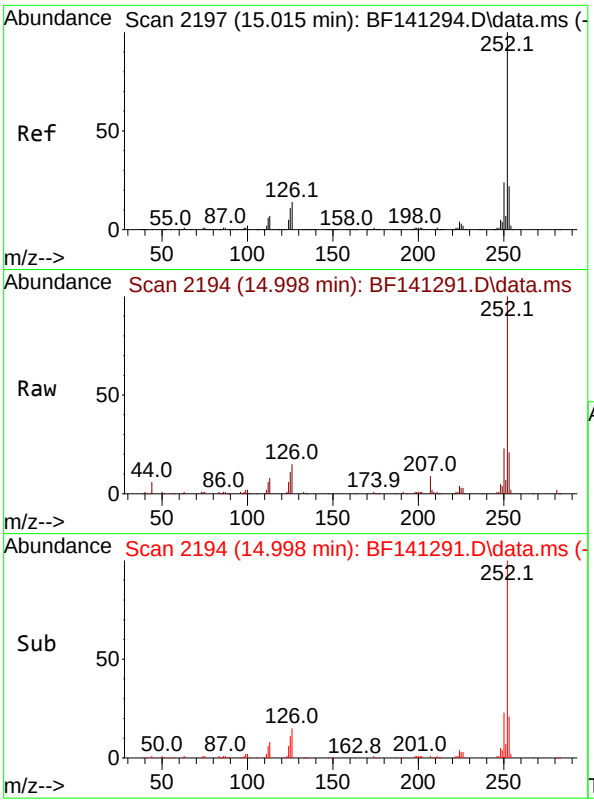


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.657 ng
RT: 16.863 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:276 Resp: 83074

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	24.7	20.3	30.5



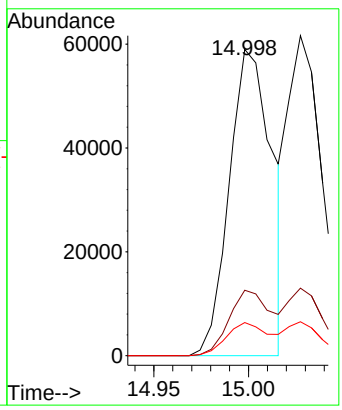


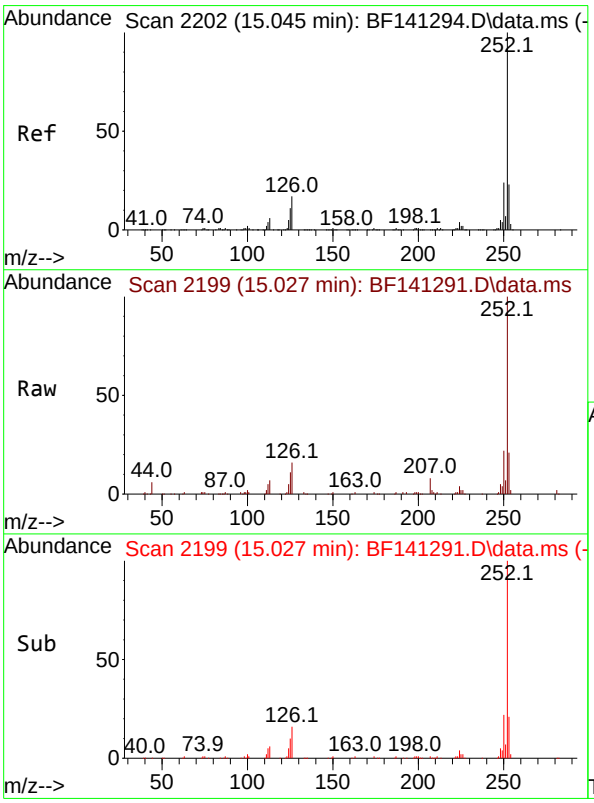
#88
Benzo(b)fluoranthene
Concen: 5.465 ng
RT: 14.998 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 92690

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	10.8	8.6	12.8

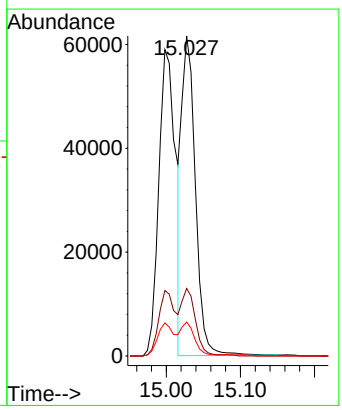


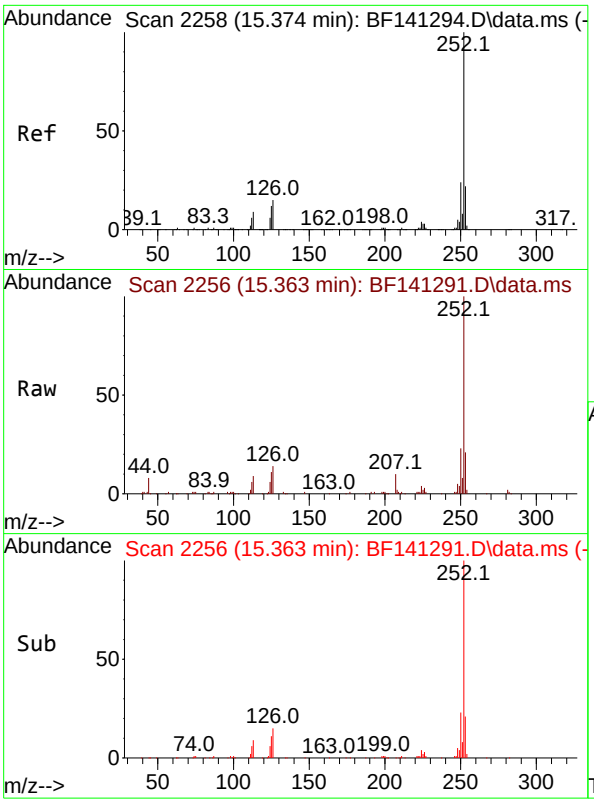


#89
Benzo(k)fluoranthene
Concen: 5.247 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:252 Resp: 79701

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	10.6	8.4	12.6



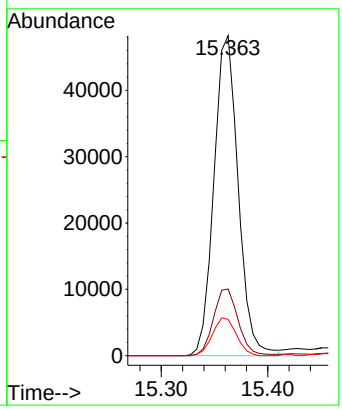


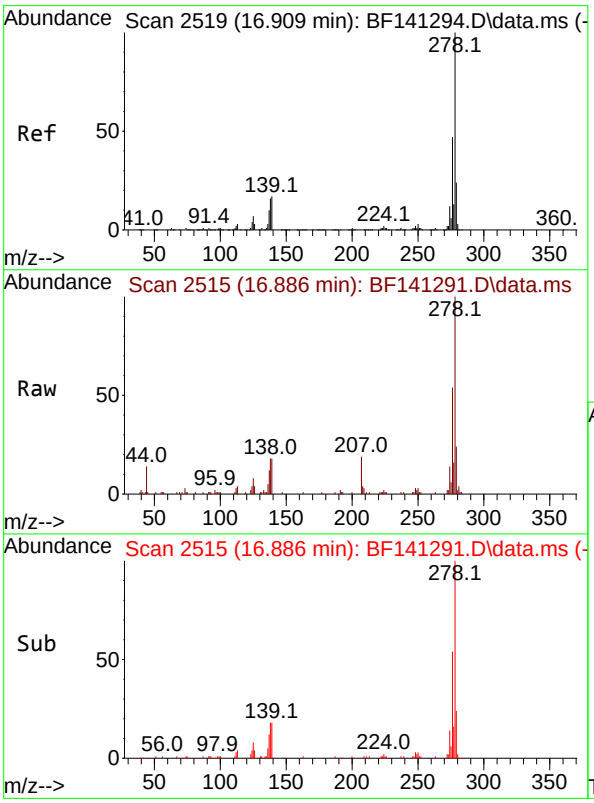
#90
Benzo(a)pyrene
Concen: 5.268 ng
RT: 15.363 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 76368

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.2	25.8
125	11.3	9.4	14.2

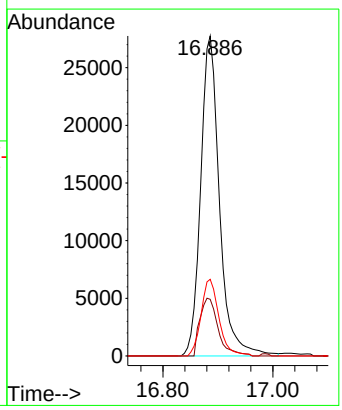


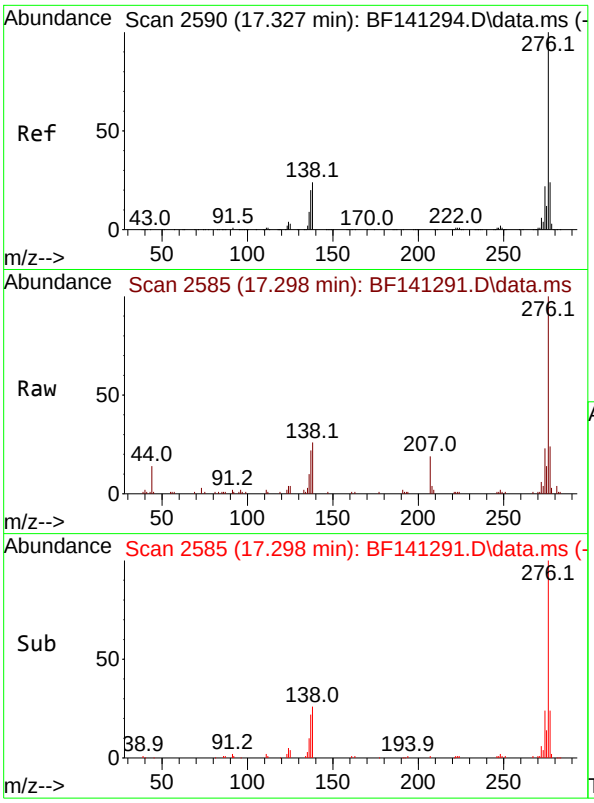


#91
Dibenzo(a,h)anthracene
Concen: 4.615 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:278 Resp: 65991

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.9	20.9
279	24.0	18.8	28.2



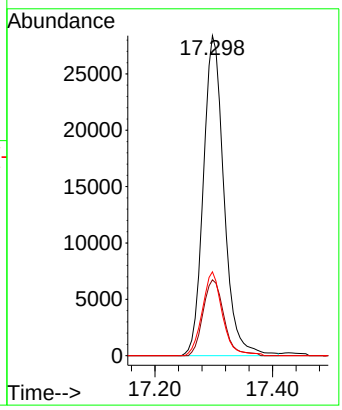


#92
Benzo(g,h,i)perylene
Concen: 4.591 ng
RT: 17.298 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 69049

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	26.2	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	132200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	289559	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	510795	20.000	ng	0.00
76) Chrysene-d12	13.969	240	308114	20.000	ng	0.00
86) Perylene-d12	15.433	264	280028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	183846	21.507	ng	0.00
7) Phenol-d6	6.416	99	237908	21.836	ng	-0.01
23) Nitrobenzene-d5	7.357	82	211040	20.937	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	57417	21.761	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	423852	22.581	ng	0.00
79) Terphenyl-d14	12.910	244	434781	21.713	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	39830	10.497	ng	98
3) Pyridine	3.222	79	93176	10.267	ng	99
4) n-Nitrosodimethylamine	3.152	42	52157	10.036	ng	98
6) Aniline	6.457	93	99872	10.968	ng	99
8) 2-Chlorophenol	6.581	128	99805	10.871	ng	95
9) Benzaldehyde	6.346	77	74679	11.803	ng	99
10) Phenol	6.434	94	124196	10.775	ng	96
11) bis(2-Chloroethyl)ether	6.528	93	93367	10.533	ng	99
12) 1,3-Dichlorobenzene	6.740	146	110278	10.891	ng	98
13) 1,4-Dichlorobenzene	6.816	146	109956	10.784	ng	99
14) 1,2-Dichlorobenzene	6.969	146	106335	11.160	ng	98
15) Benzyl Alcohol	6.934	79	79378	10.665	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	164185	10.661	ng	99
17) 2-Methylphenol	7.045	107	77643	10.446	ng	98
18) Hexachloroethane	7.310	117	40445	10.721	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	70075	10.815	ng	99
20) 3+4-Methylphenols	7.198	107	103360	11.310	ng	95
22) Acetophenone	7.204	105	139527	11.036	ng	98
24) Nitrobenzene	7.375	77	109497	10.474	ng	99
25) Isophorone	7.616	82	182564	10.480	ng	100
26) 2-Nitrophenol	7.692	139	49783	10.167	ng	98
27) 2,4-Dimethylphenol	7.728	122	63681m	10.177	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	117232	10.561	ng	98
29) 2,4-Dichlorophenol	7.934	162	79949	10.457	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	94419	10.767	ng	98
31) Naphthalene	8.098	128	305386	10.887	ng	99
32) Benzoic acid	7.798	122	47549	8.367	ng	99
33) 4-Chloroaniline	8.151	127	100852	10.703	ng	98
34) Hexachlorobutadiene	8.222	225	55103	10.736	ng	99
35) Caprolactam	8.481	113	25363	10.256	ng	100
36) 4-Chloro-3-methylphenol	8.622	107	87592	10.674	ng	98
37) 2-Methylnaphthalene	8.792	142	195160	10.925	ng	99
38) 1-Methylnaphthalene	8.892	142	192861	11.022	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	88710	10.775	ng	99
41) Hexachlorocyclopentadiene	8.945	237	22759	9.212	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	55036	10.241	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	61493	10.518	ng	100
46) 1,1'-Biphenyl	9.257	154	245028	10.847	ng	99
47) 2-Chloronaphthalene	9.281	162	189709	10.812	ng	98
48) 2-Nitroaniline	9.375	65	56247	10.164	ng	99
49) Acenaphthylene	9.692	152	268471	10.895	ng	99
50) Dimethylphthalate	9.551	163	210816	10.857	ng	100
51) 2,6-Dinitrotoluene	9.616	165	47955	10.613	ng	97
52) Acenaphthene	9.869	154	188283	10.738	ng	100
53) 3-Nitroaniline	9.781	138	47818	10.699	ng	95
54) 2,4-Dinitrophenol	9.892	184	14749	6.925	ng	98
55) Dibenzofuran	10.039	168	258832	11.038	ng	99
56) 4-Nitrophenol	9.939	139	31196	9.722	ng	98
57) 2,4-Dinitrotoluene	10.016	165	62418	10.710	ng	99
58) Fluorene	10.381	166	204141	11.197	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	49596	10.737	ng	100
60) Diethylphthalate	10.257	149	205131	10.908	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	100485	11.294	ng	100
62) 4-Nitroaniline	10.392	138	45222	10.533	ng	99
63) Azobenzene	10.534	77	204300	10.839	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	26939	8.831	ng	91
66) n-Nitrosodiphenylamine	10.492	169	174617	10.544	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	59770	10.468	ng	96
68) Hexachlorobenzene	10.928	284	63908	10.551	ng	100
69) Atrazine	11.016	200	51633	9.295	ng	99
70) Pentachlorophenol	11.128	266	34788	9.796	ng	99
71) Phenanthrene	11.345	178	298892	10.893	ng	99
72) Anthracene	11.398	178	292813	10.940	ng	99
73) Carbazole	11.551	167	258853	10.919	ng	99
74) Di-n-butylphthalate	11.886	149	316336	11.070	ng	99
75) Fluoranthene	12.533	202	306969	11.462	ng	99
77) Benzidine	12.657	184	73918	7.890	ng	98
78) Pyrene	12.763	202	317744	10.681	ng	99
80) Butylbenzylphthalate	13.386	149	106335	10.349	ng	99
81) Benzo(a)anthracene	13.957	228	217291	10.289	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	65021	9.833	ng	99
83) Chrysene	13.992	228	204080	10.421	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	139099	10.789	ng	99
85) Di-n-octyl phthalate	14.580	149	195129	9.676	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	177554	9.708	ng	100
88) Benzo(b)fluoranthene	15.010	252	193558	11.130	ng	99
89) Benzo(k)fluoranthene	15.039	252	155925	10.012	ng	99
90) Benzo(a)pyrene	15.374	252	148214	9.972	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	140143	9.559	ng	99
92) Benzo(g,h,i)perylene	17.315	276	150453	9.756	ng	99

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

ICAL Form

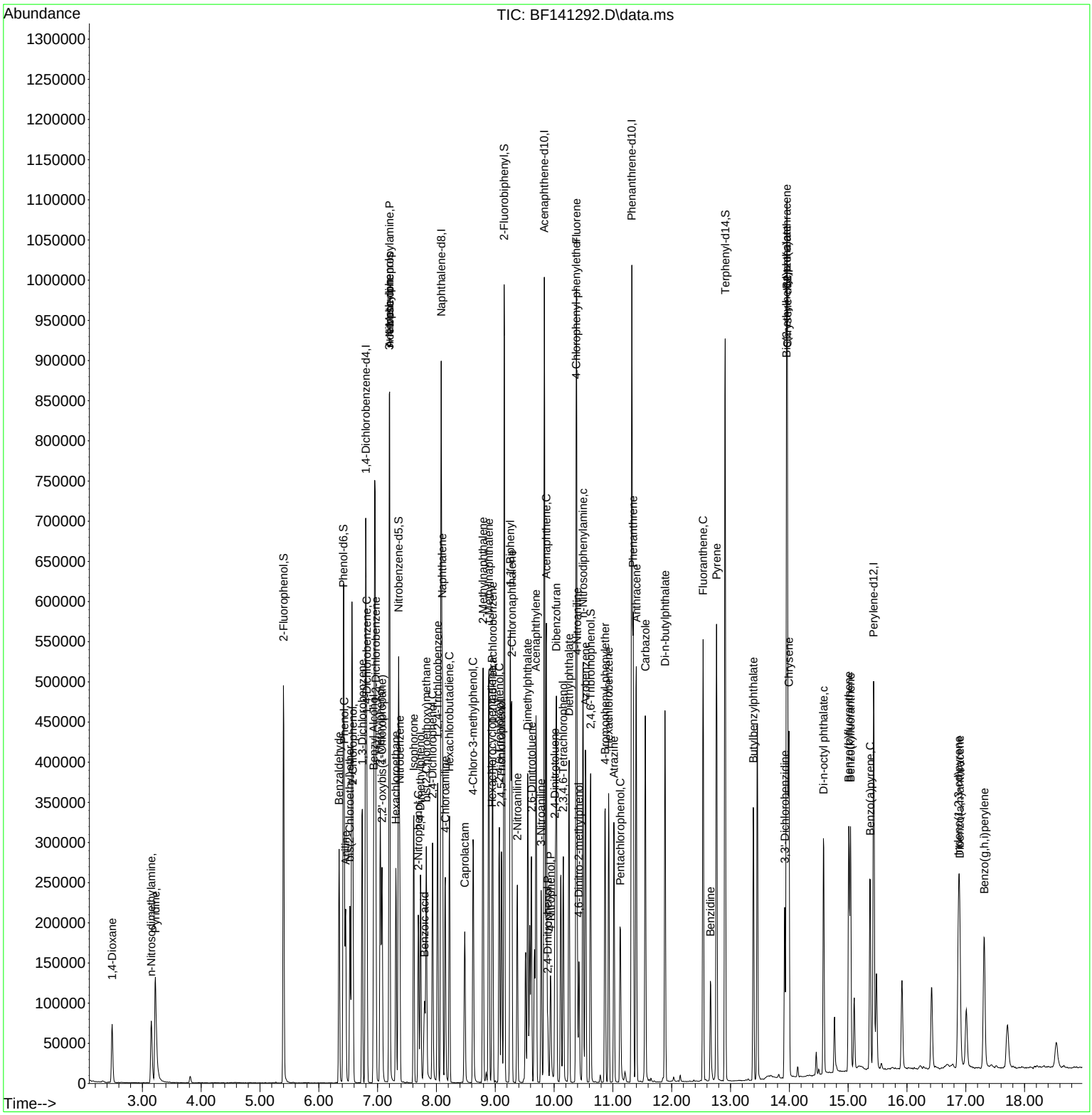
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

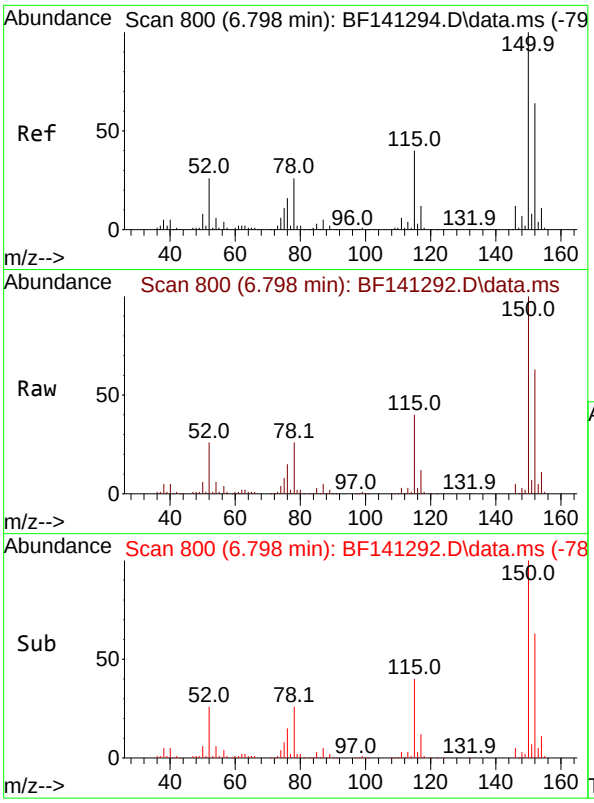
Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

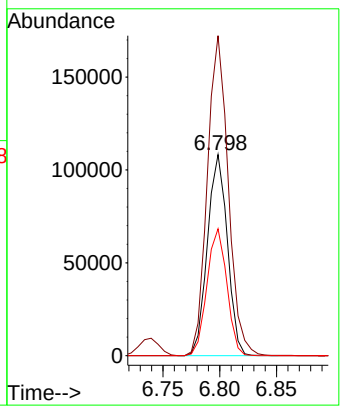




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 13220(

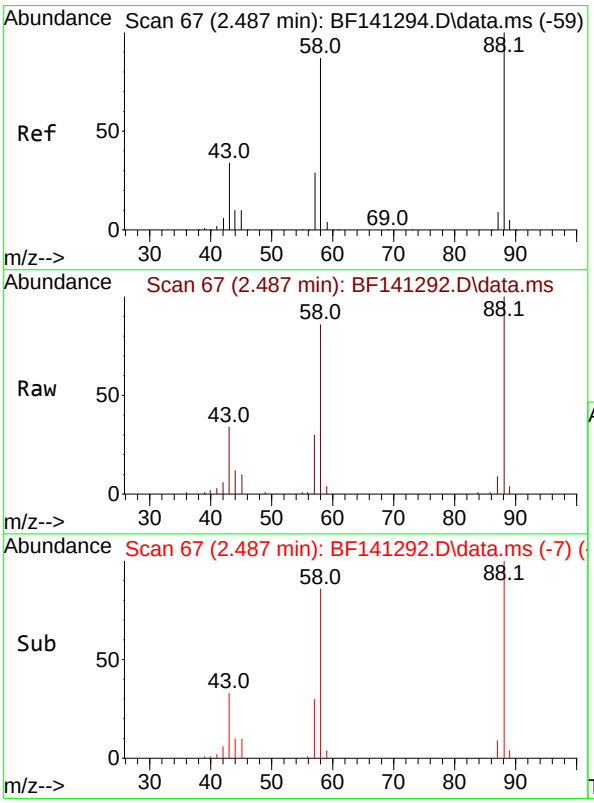
Ion	Ratio	Lower	Upper
152	100		
150	159.1	125.9	188.9
115	63.1	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

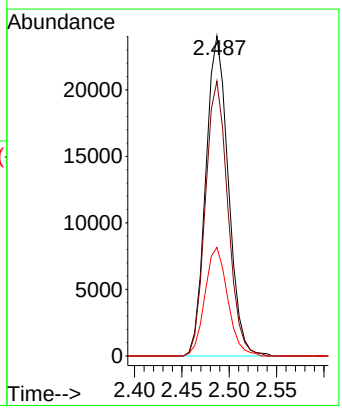
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

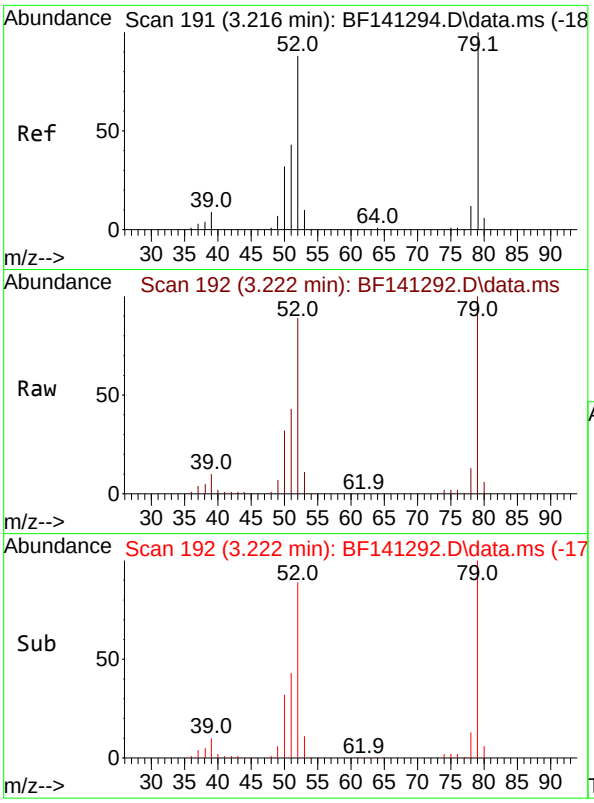


#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 88 Resp: 39830

Ion	Ratio	Lower	Upper
88	100		
58	85.5	70.2	105.4
43	34.3	27.6	41.4

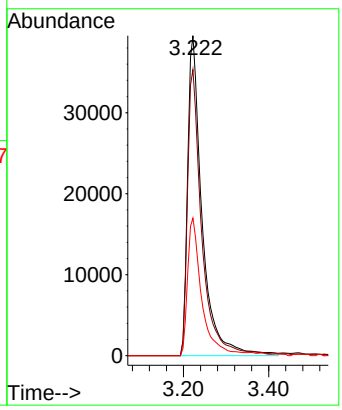




#3
Pyridine
Concen: 10.267 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 79 Resp: 9317

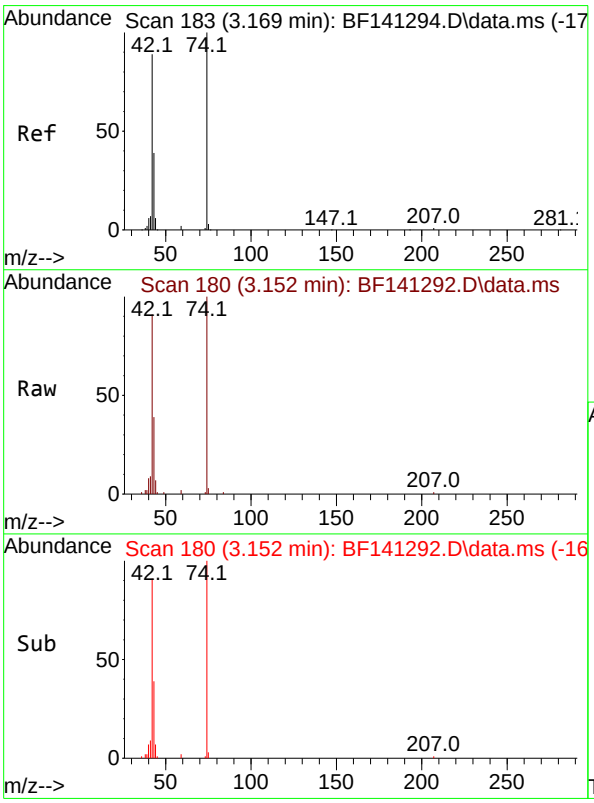
Ion	Ratio	Lower	Upper
79	100		
52	89.4	70.3	105.5
51	43.0	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

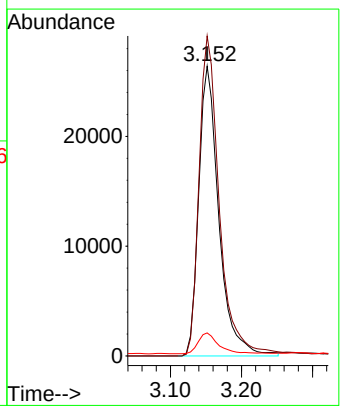
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

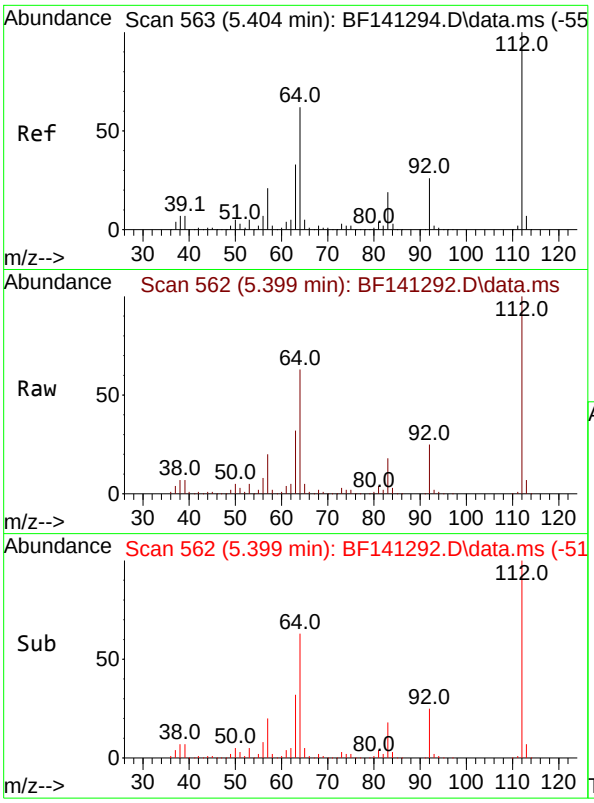


#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 42 Resp: 52157

Ion	Ratio	Lower	Upper
42	100		
74	110.5	90.3	135.5
44	8.0	5.7	8.5

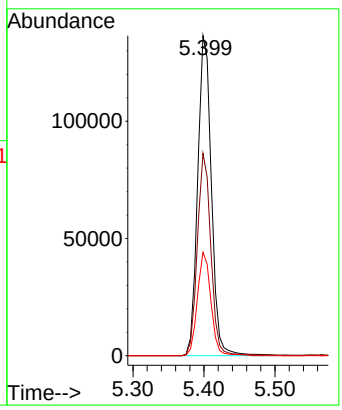




#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:112 Resp: 18384

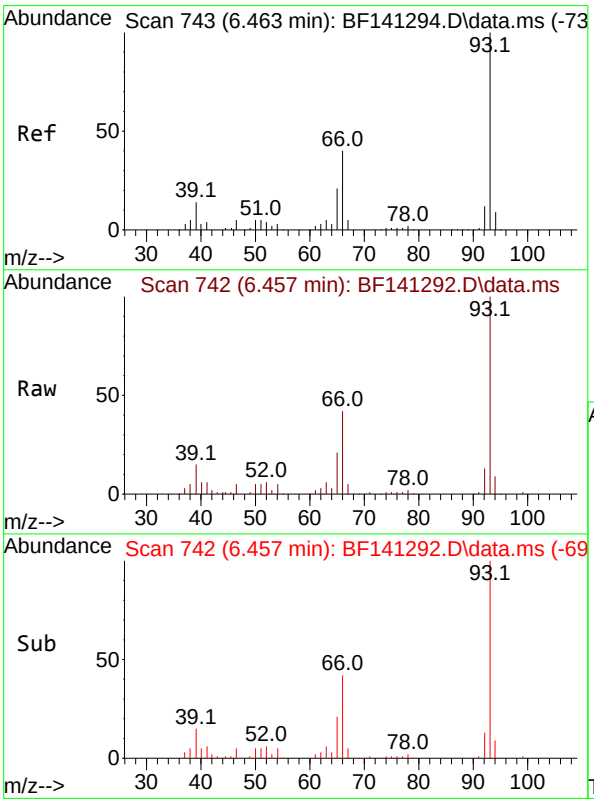
Ion	Ratio	Lower	Upper
112	100		
64	63.2	49.8	74.8
63	32.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

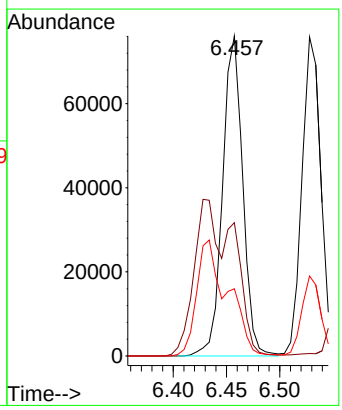
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

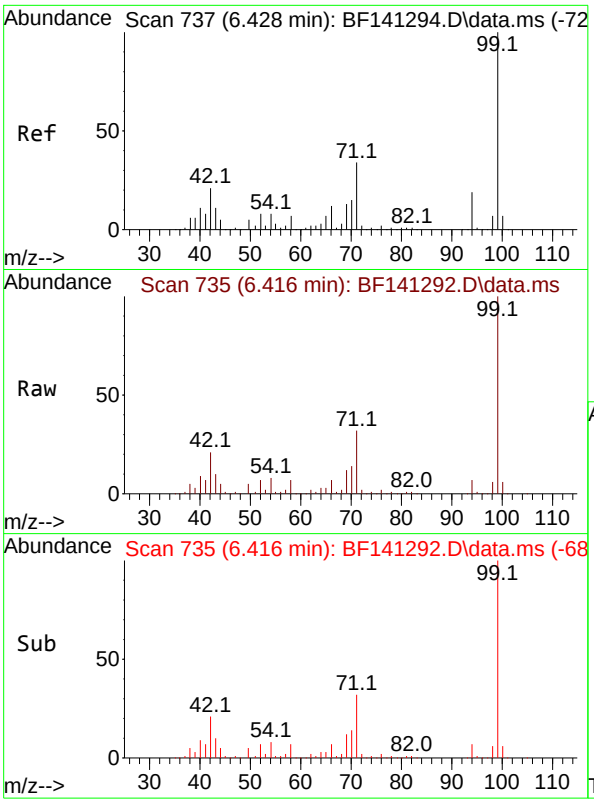


#6
Aniline
Concen: 10.968 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 99872

Ion	Ratio	Lower	Upper
93	100		
66	41.7	32.5	48.7
65	21.0	17.0	25.6

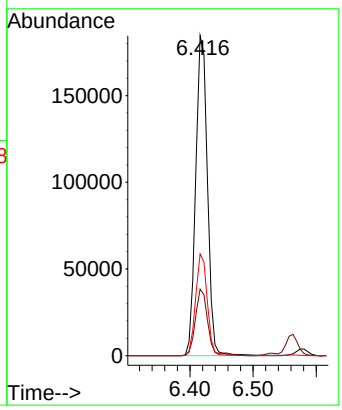




#7
Phenol-d6
Concen: 21.836 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 99 Resp: 23790

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	31.8	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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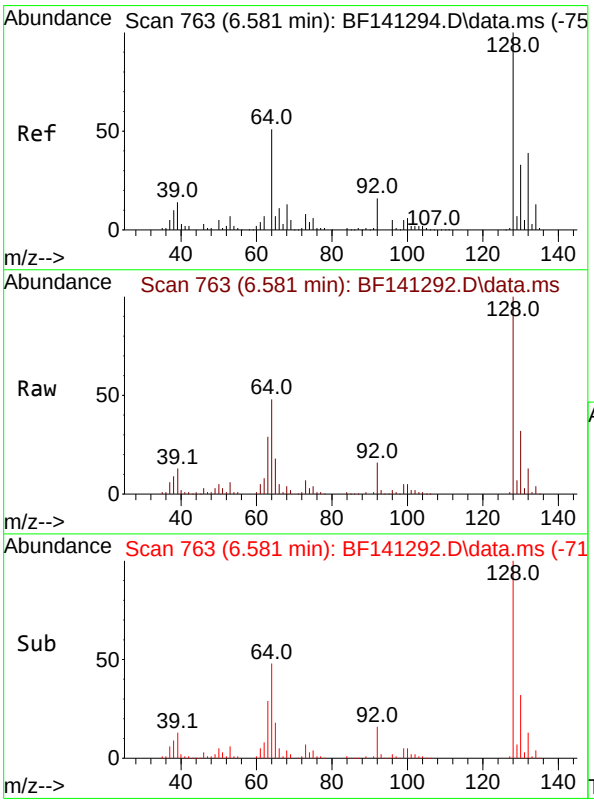
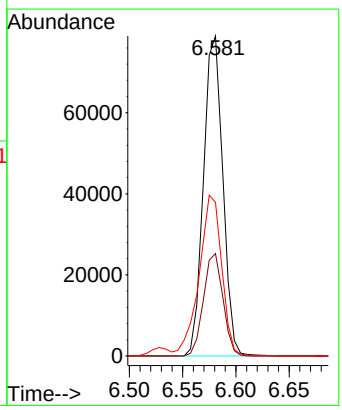
Supervised By :mohammad ahmed 02/04/2025

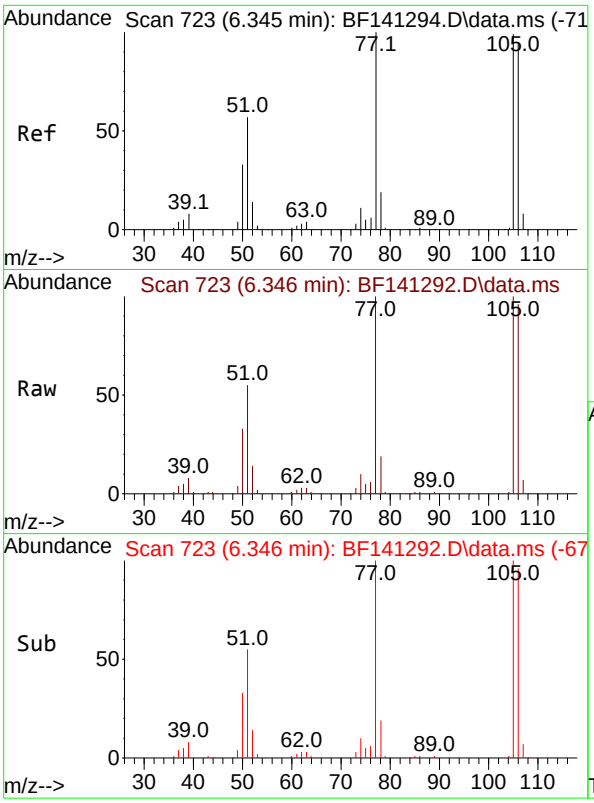


#8
2-Chlorophenol
Concen: 10.871 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:128 Resp: 99805

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.5	52.5
64	48.0	32.9	72.9

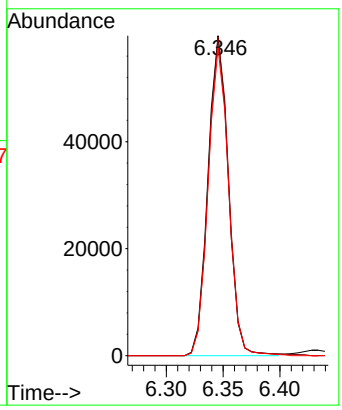




#9
Benzaldehyde
Concen: 11.803 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 7467

Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.4	119.4
106	96.1	74.6	114.6



Instrument :
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ClientSampleId :
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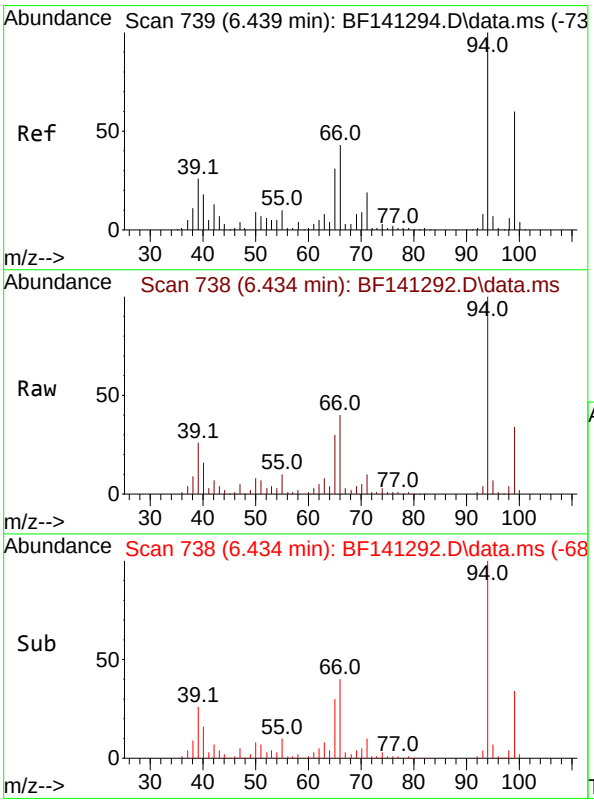
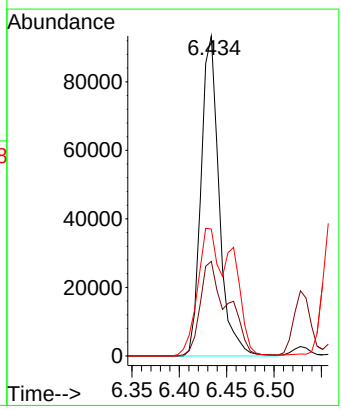
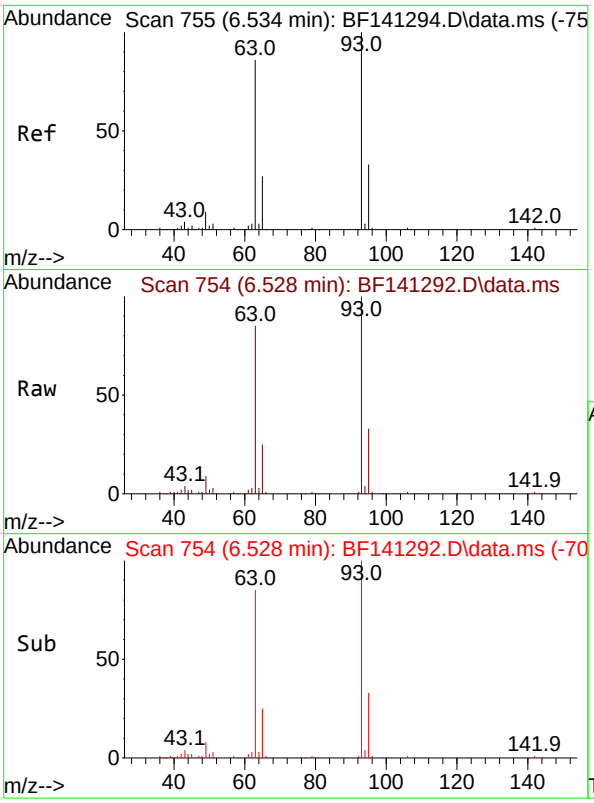


#10
Phenol
Concen: 10.775 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 94 Resp: 124196

Ion	Ratio	Lower	Upper
94	100		
65	29.5	10.8	50.8
66	39.7	23.3	63.3

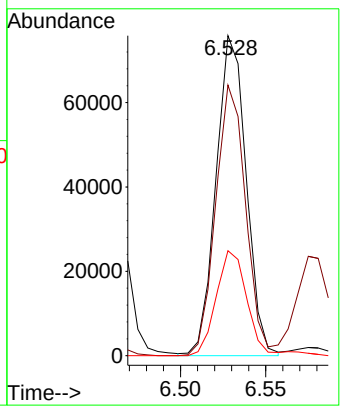




#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 9336

Ion	Ratio	Lower	Upper
93	100		
63	84.6	65.0	105.0
95	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
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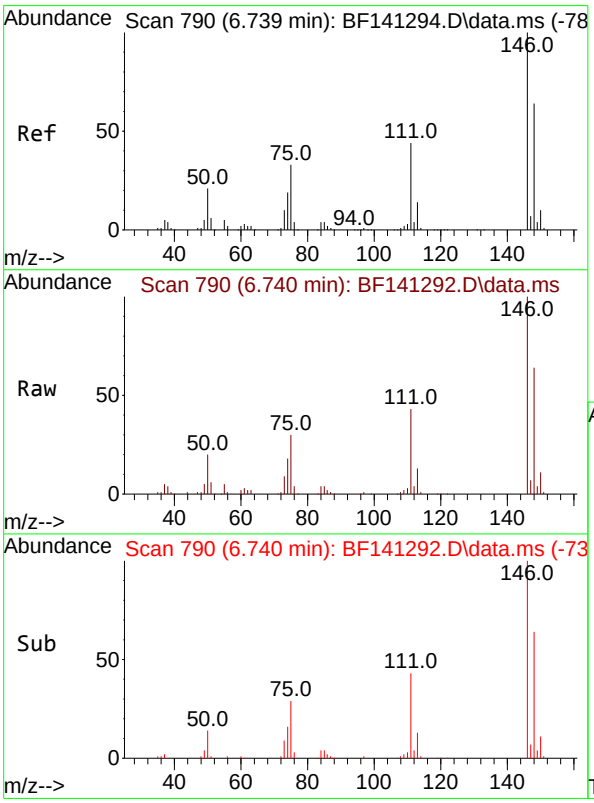
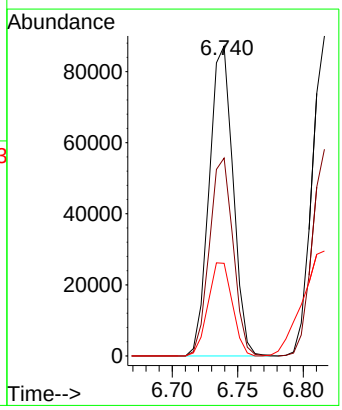
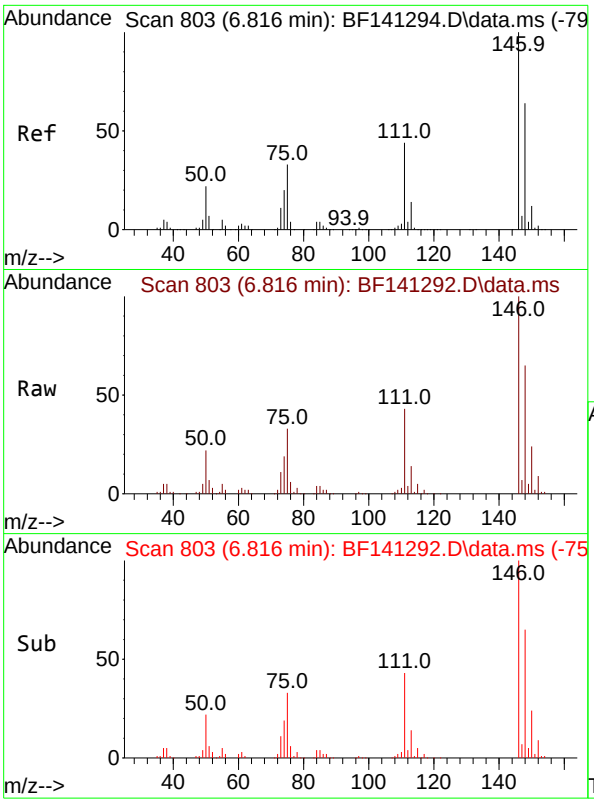


#12
1,3-Dichlorobenzene
Concen: 10.891 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 110278

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
75	29.9	26.2	39.4

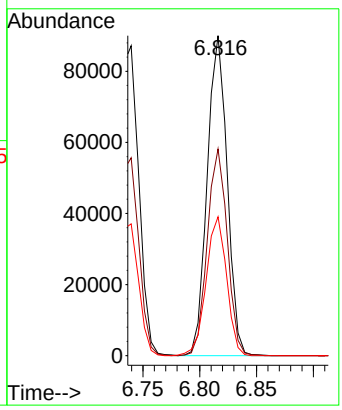




#13
1,4-Dichlorobenzene
Concen: 10.784 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 10995

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.2	76.8
111	43.4	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
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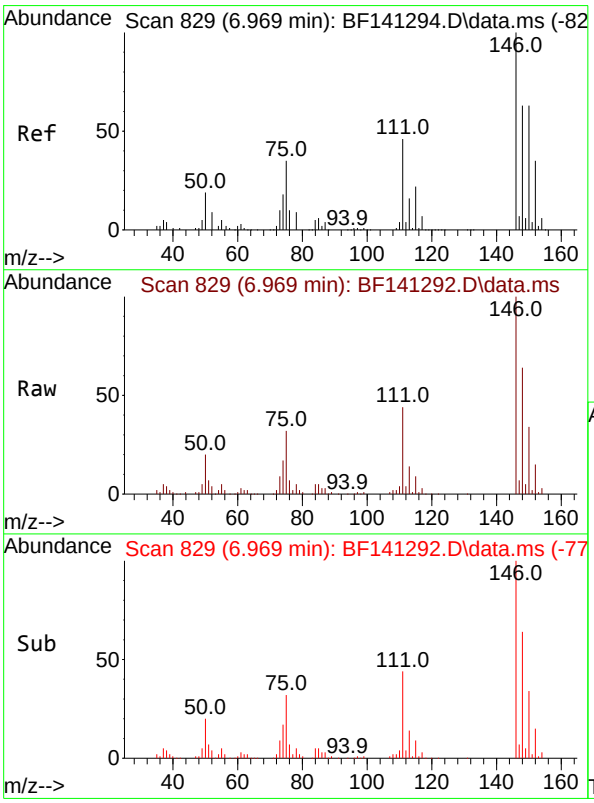
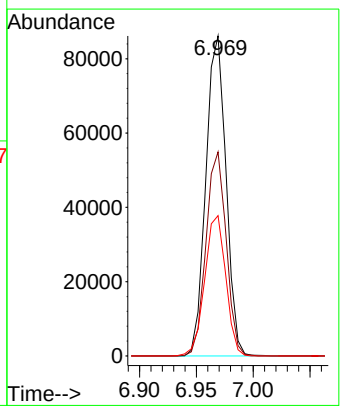
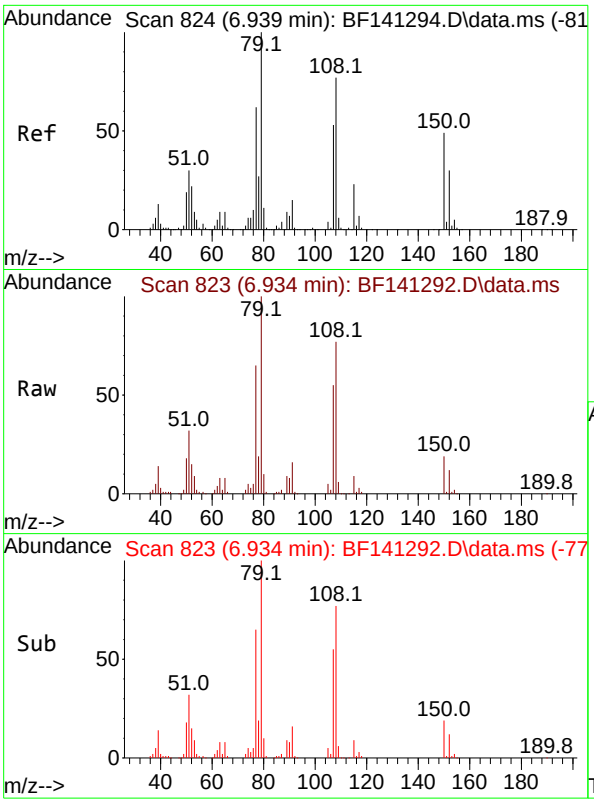


#14
1,2-Dichlorobenzene
Concen: 11.160 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 106335

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	43.8	36.6	55.0

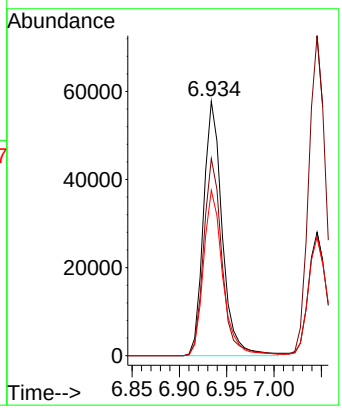




#15
Benzyl Alcohol
Concen: 10.665 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 79 Resp: 7937

Ion	Ratio	Lower	Upper
79	100		
108	77.5	61.4	92.0
77	65.0	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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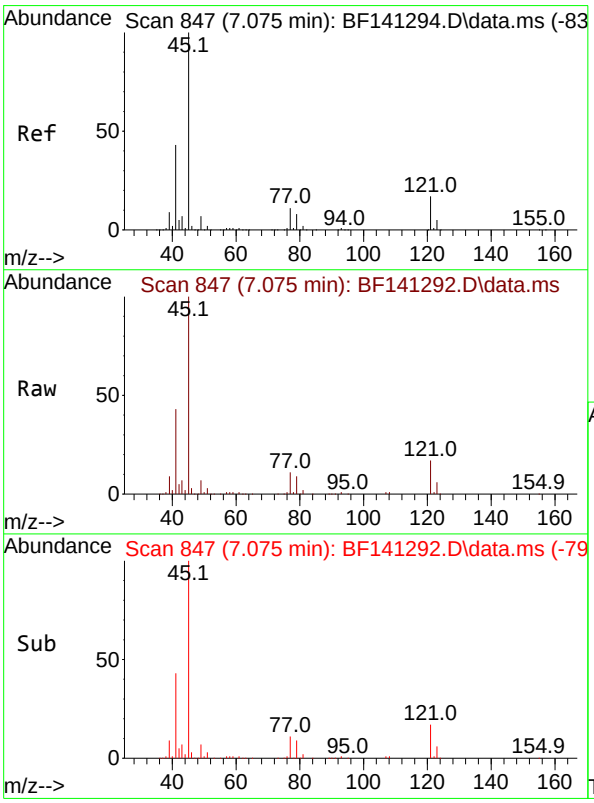
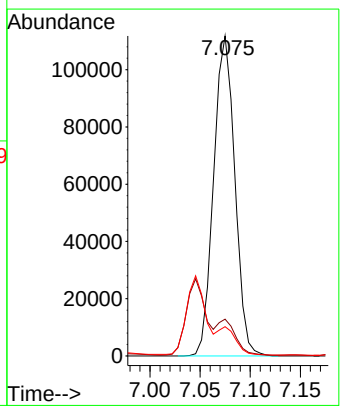
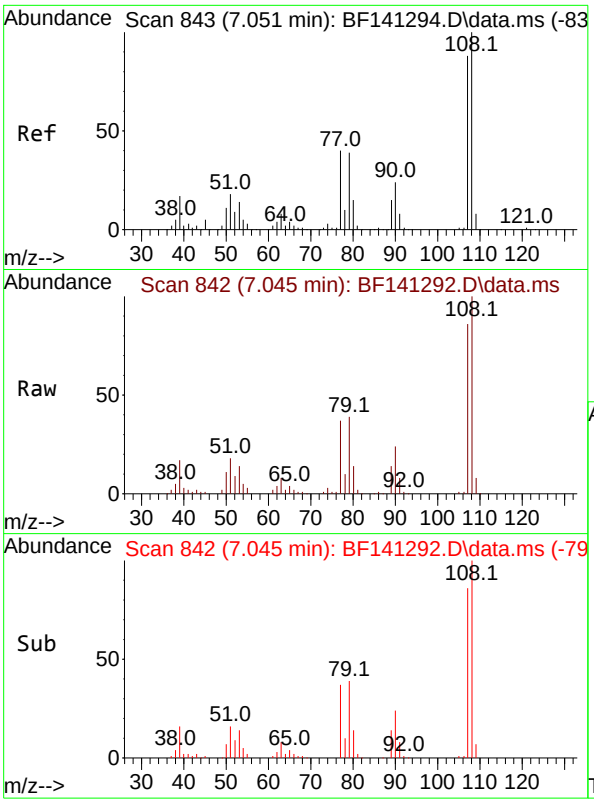


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.661 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 45 Resp: 164185

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.8
79	9.2	0.0	29.1

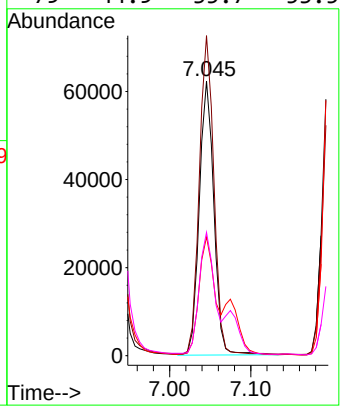




#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 7764

Ion	Ratio	Lower	Upper
107	100		
108	116.6	90.8	136.2
77	43.3	36.2	54.4
79	44.9	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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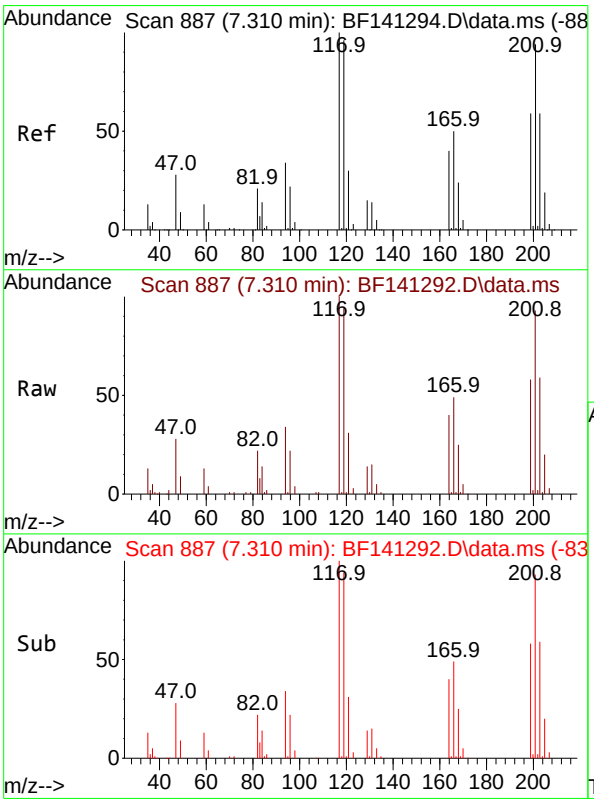
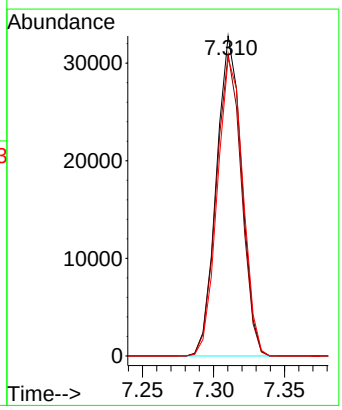
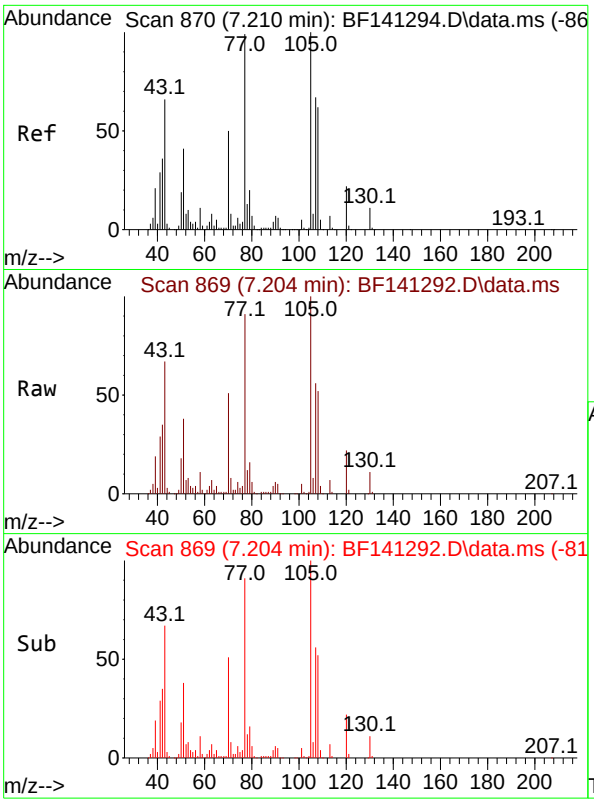


#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:117 Resp: 40445

Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	114.8
201	93.1	74.8	112.2

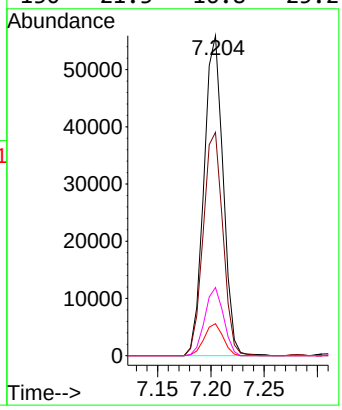




#19
n-Nitroso-di-n-propylamine
Concen: 10.815 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 70 Resp: 7007

Ion	Ratio	Lower	Upper
70	100		
42	69.8	56.8	85.2
101	10.0	7.7	11.5
130	21.3	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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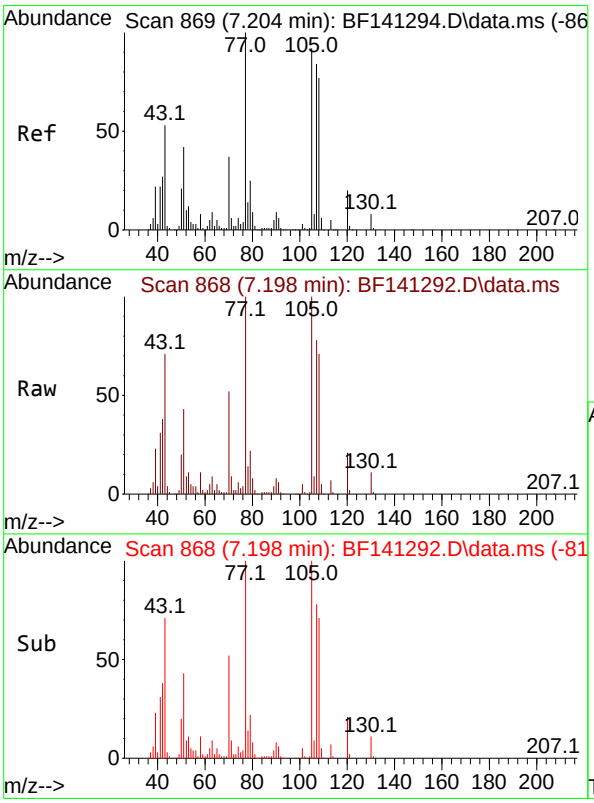
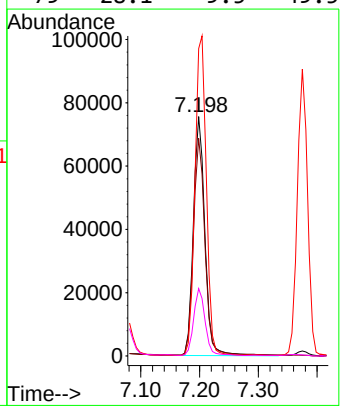
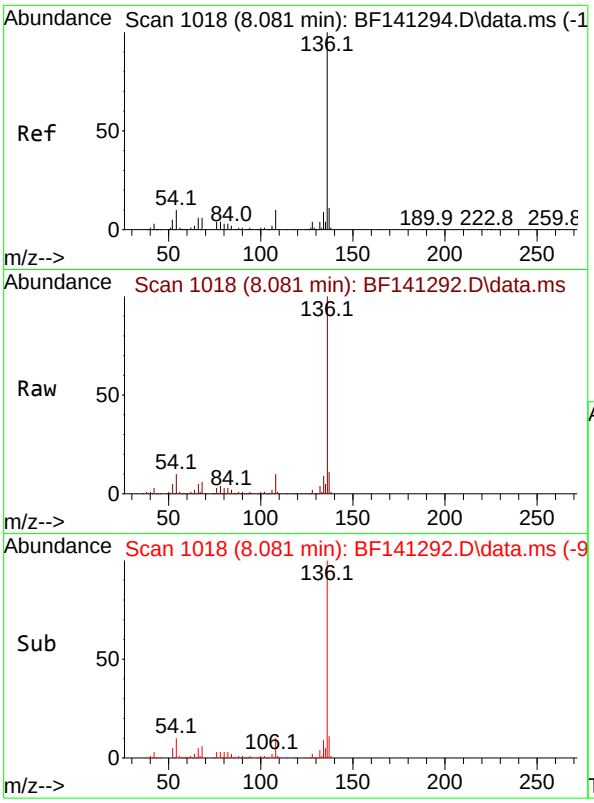


#20
3+4-Methylphenols
Concen: 11.310 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 103360

Ion	Ratio	Lower	Upper
107	100		
108	91.0	70.9	110.9
77	128.4	98.5	138.5
79	28.1	9.5	49.5

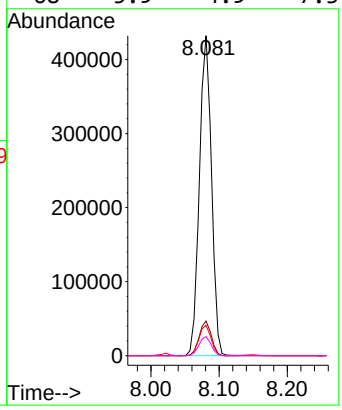




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:136 Resp: 53332

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3



Instrument :
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ClientSampleId :
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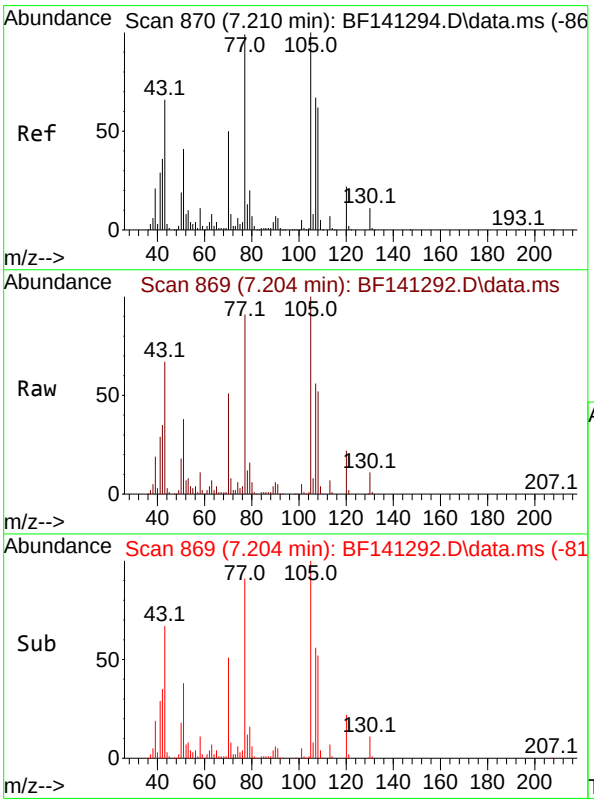
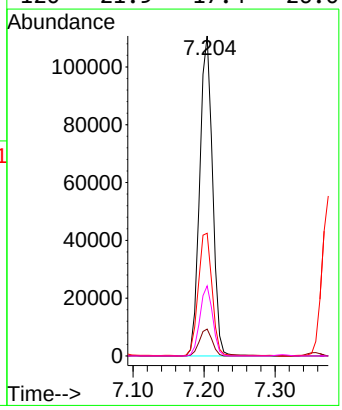
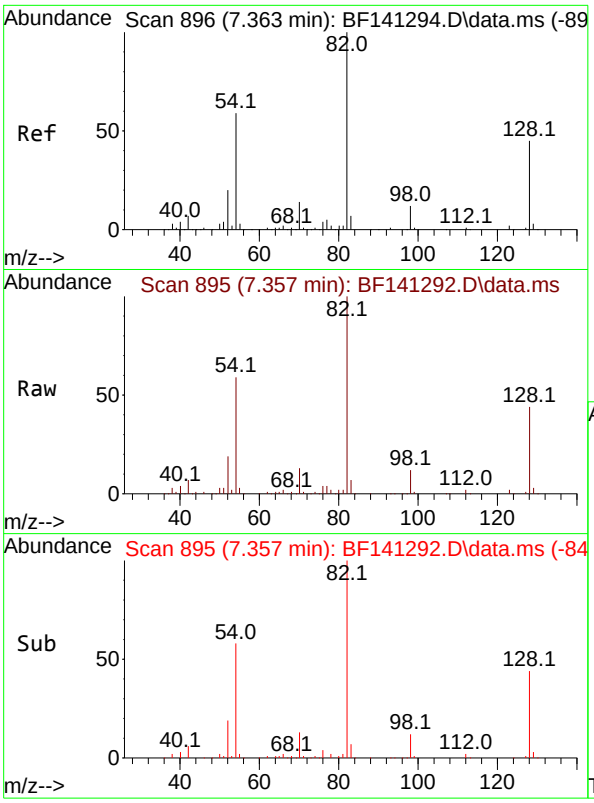


#22
Acetophenone
Concen: 11.036 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:105 Resp: 139527

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.8	10.2
51	38.3	32.6	49.0
120	21.9	17.4	26.0





#23
Nitrobenzene-d5
Concen: 20.937 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 82 Resp: 21104

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.7	53.5
54	58.7	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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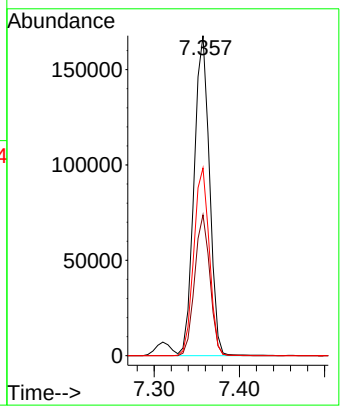
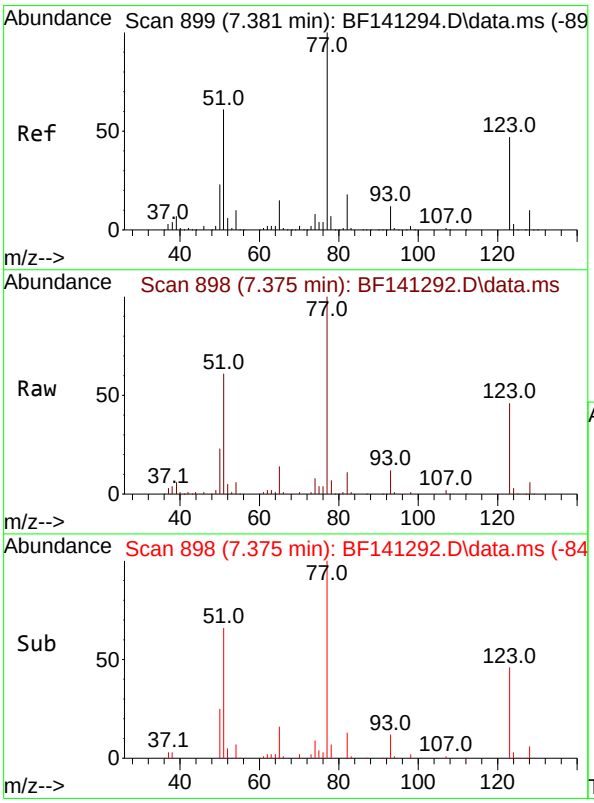
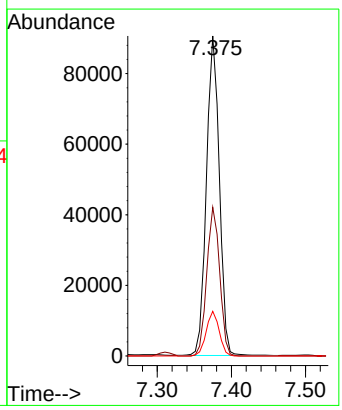


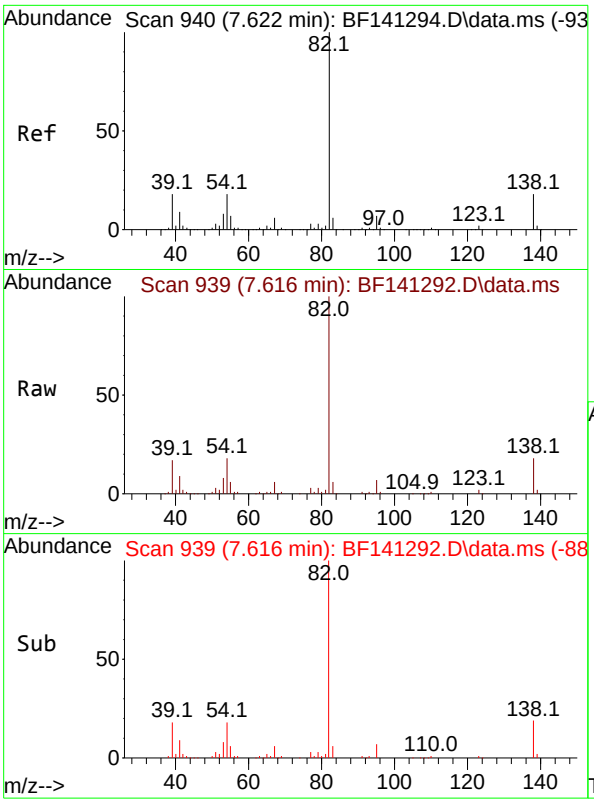


#24
Nitrobenzene
Concen: 10.474 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 109497

Ion	Ratio	Lower	Upper
77	100		
123	46.5	37.3	55.9
65	14.0	11.8	17.6

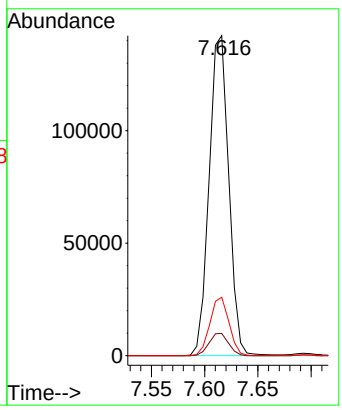




#25
Isophorone
Concen: 10.480 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 82 Resp: 18256

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.6
138	18.2	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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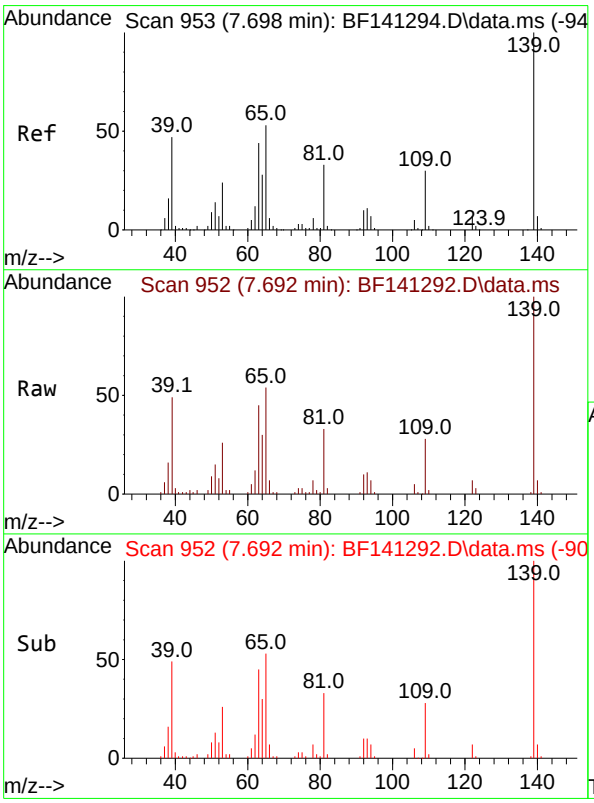
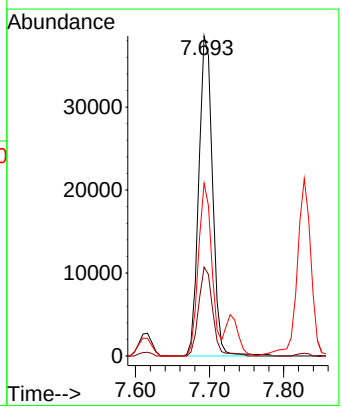
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

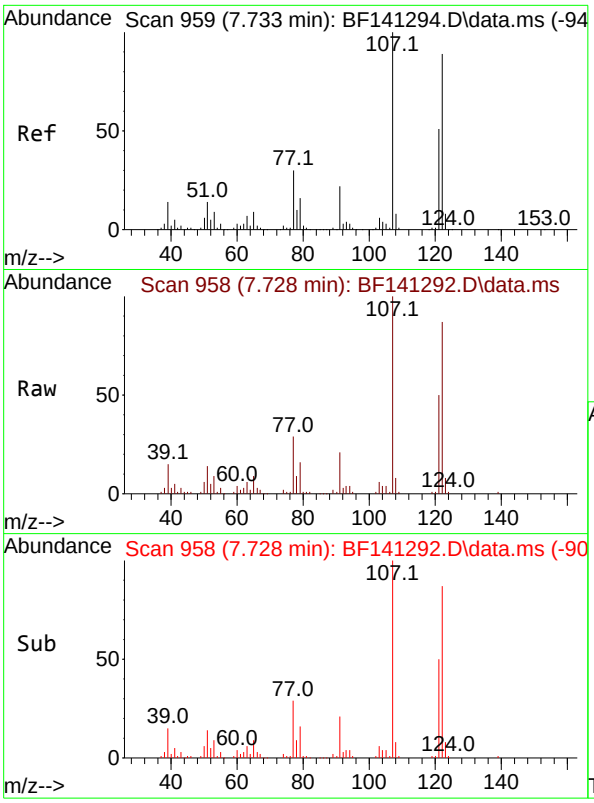


#26
2-Nitrophenol
Concen: 10.167 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 49783

Ion	Ratio	Lower	Upper
139	100		
109	27.8	23.8	35.6
65	54.0	42.2	63.4

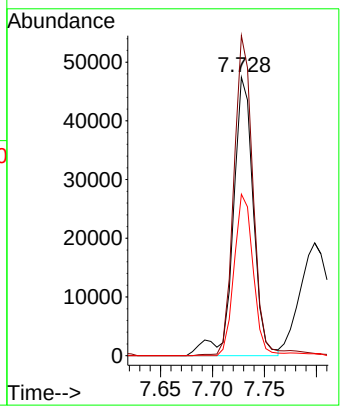




#27
2,4-Dimethylphenol
Concen: 10.177 ng m
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 6368

Ion	Ratio	Lower	Upper
122	100		
107	114.9	89.9	134.9
121	58.0	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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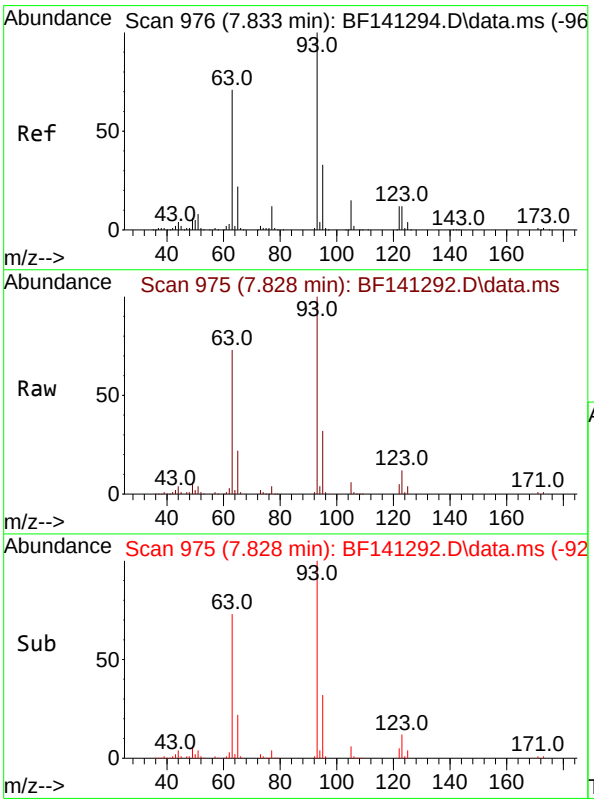
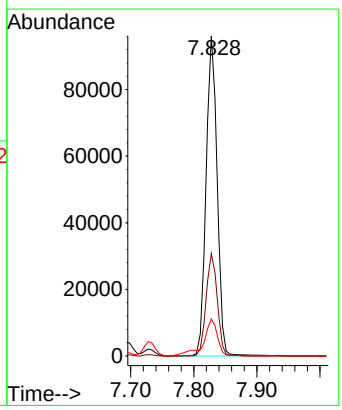
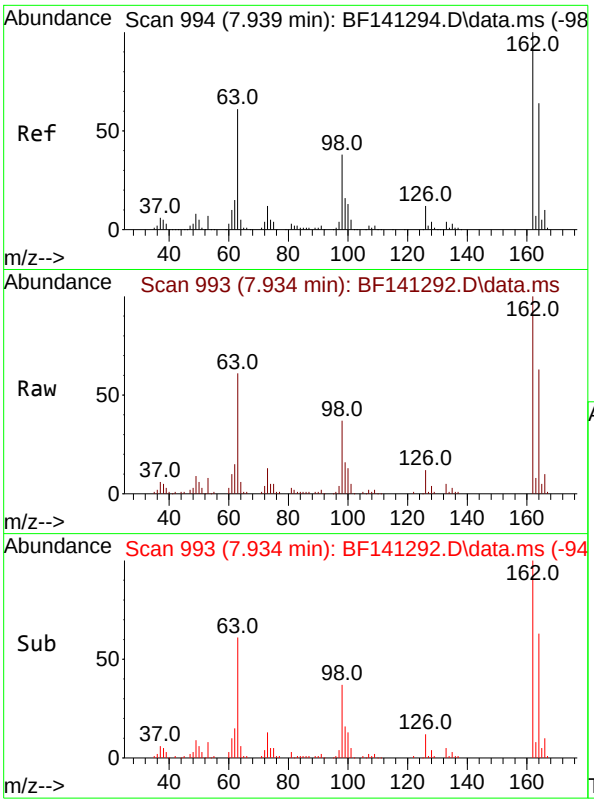


#28
bis(2-Chloroethoxy)methane
Concen: 10.561 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 117232

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.2	39.2
123	11.6	10.2	15.4

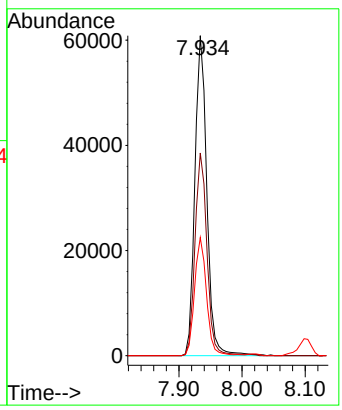




#29
2,4-Dichlorophenol
Concen: 10.457 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:162 Resp: 7994

Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.2	84.2
98	36.9	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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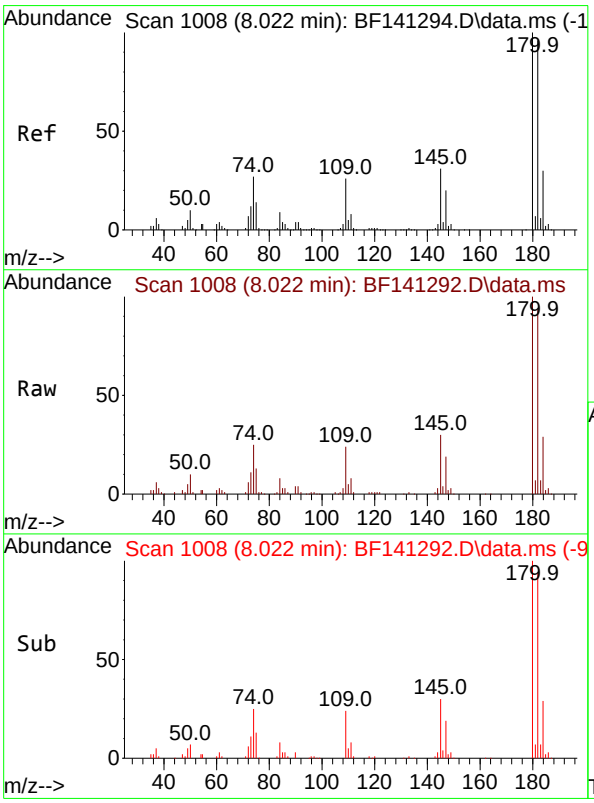
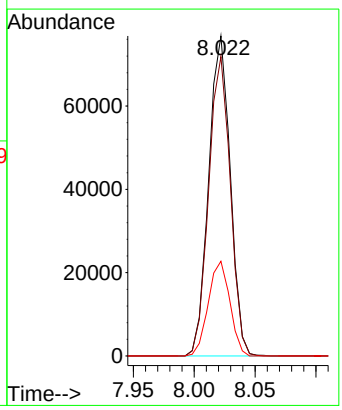
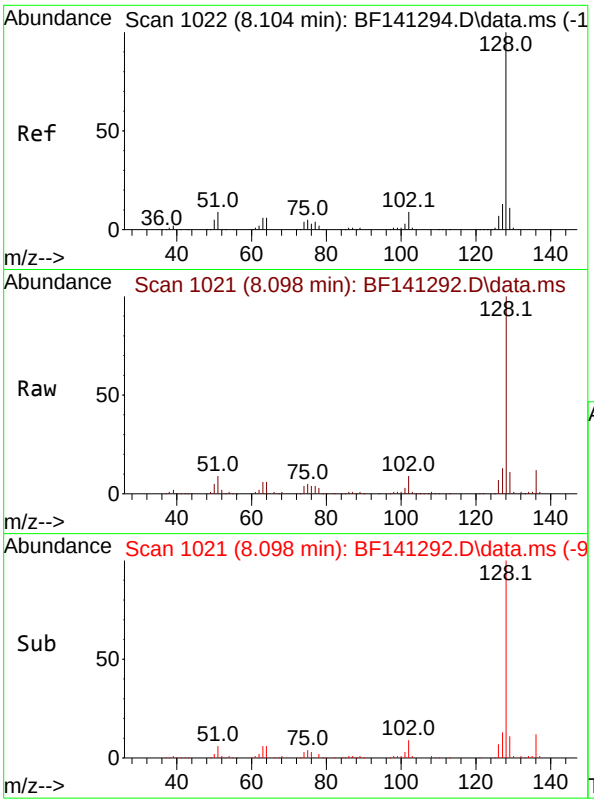


#30
1,2,4-Trichlorobenzene
Concen: 10.767 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:180 Resp: 94419

Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.4	114.6
145	29.6	24.9	37.3

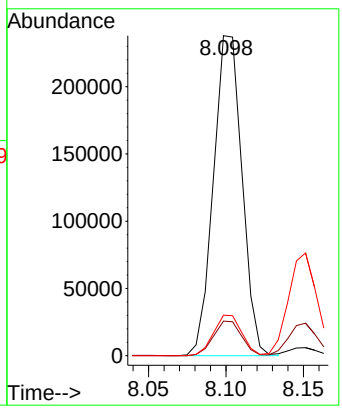




#31
Naphthalene
Concen: 10.887 ng
RT: 8.098 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:128 Resp: 30538(

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	12.7	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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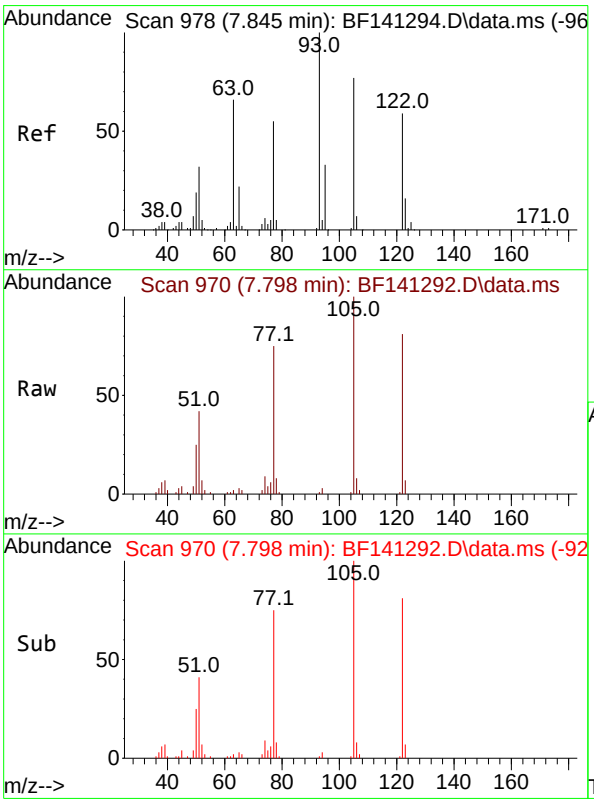
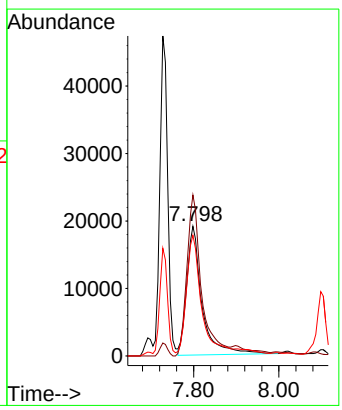
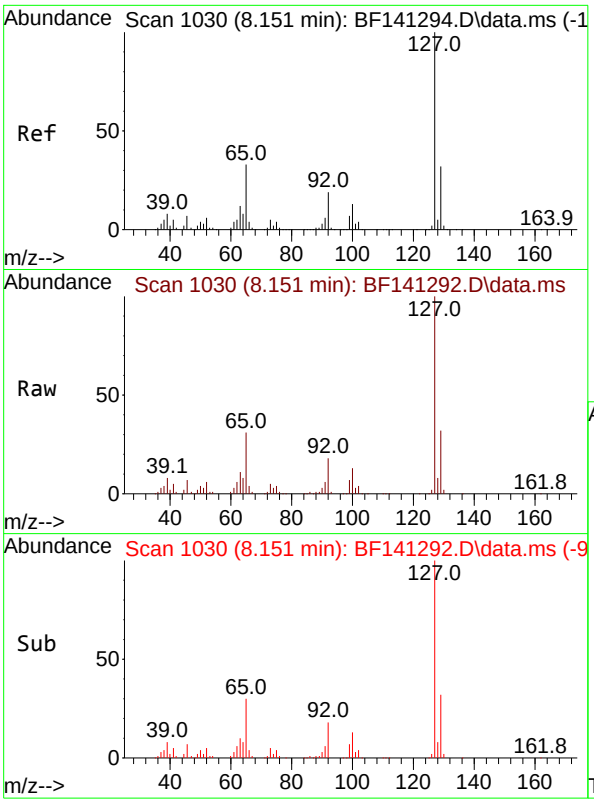


#32
Benzoic acid
Concen: 8.367 ng
RT: 7.798 min Scan# 970
Delta R.T. -0.047 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 47549

Ion	Ratio	Lower	Upper
122	100		
105	124.1	103.4	143.4
77	93.0	70.9	110.9

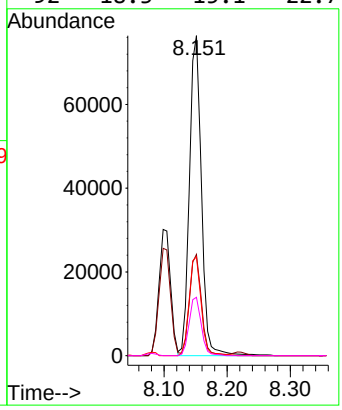




#33
4-Chloroaniline
Concen: 10.703 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:127 Resp: 10085

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.7	38.5
65	30.9	26.4	39.6
92	18.3	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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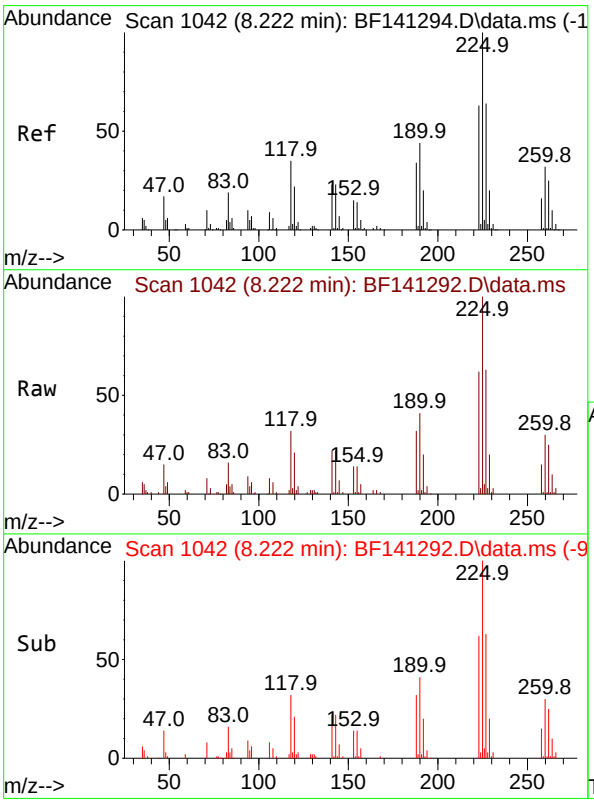
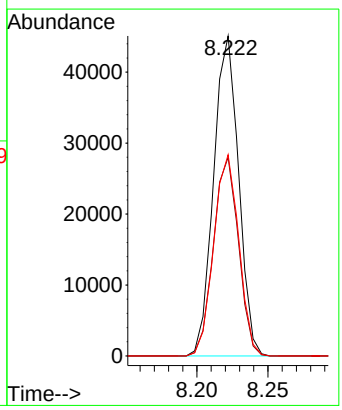
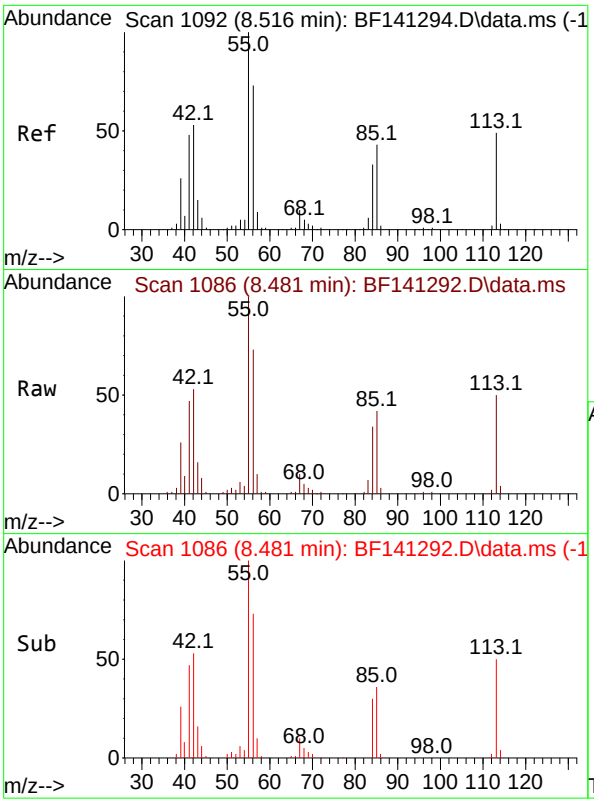


#34
Hexachlorobutadiene
Concen: 10.736 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:225 Resp: 55103

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.4	75.6
227	62.9	51.3	76.9





#35
Caprolactam
Concen: 10.256 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:113 Resp: 2536

Ion	Ratio	Lower	Upper
113	100		
55	201.9	182.9	222.9
56	148.2	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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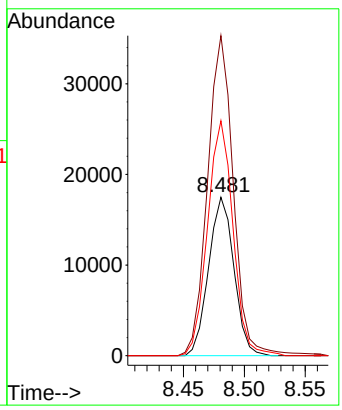
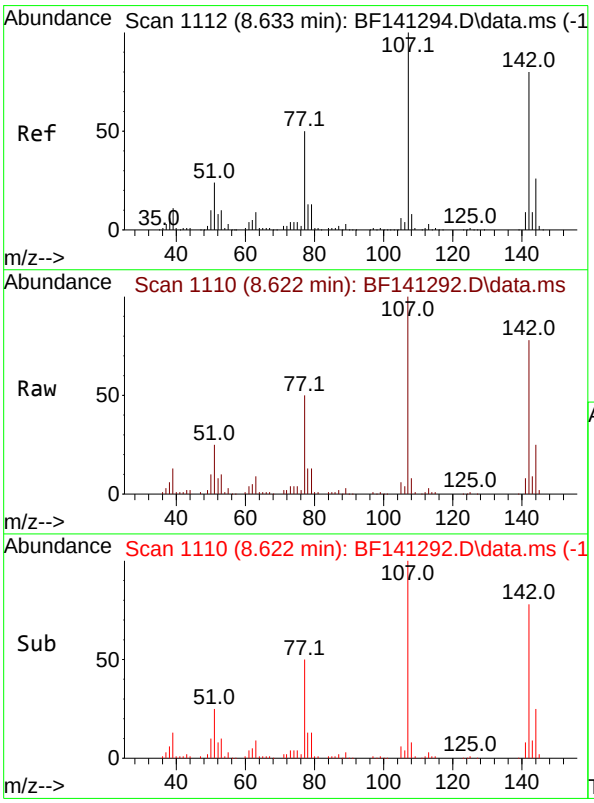
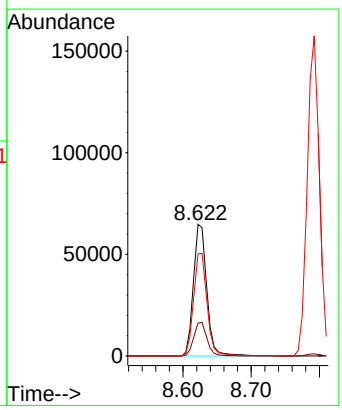


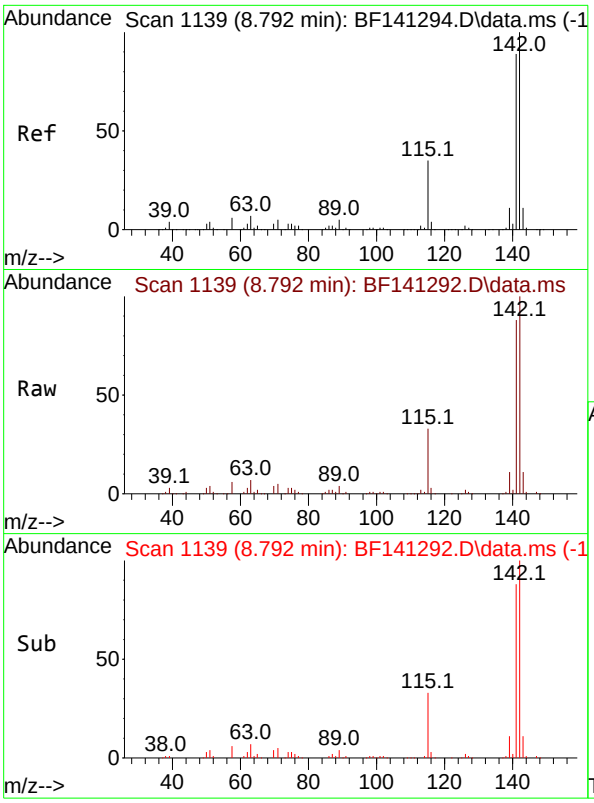


#36
4-Chloro-3-methylphenol
Concen: 10.674 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 87592

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	77.6	63.8	95.8





#37
2-Methylnaphthalene
Concen: 10.925 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 19516

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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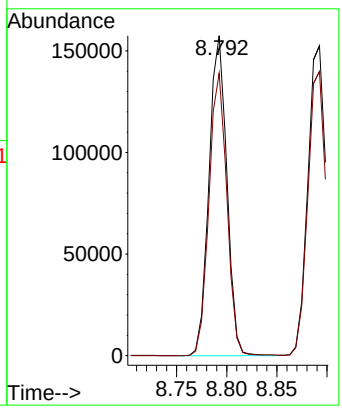
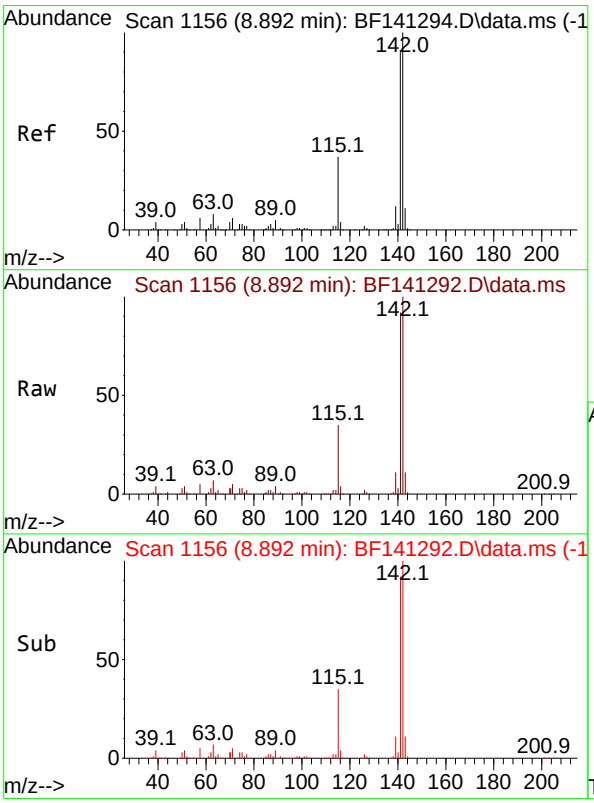
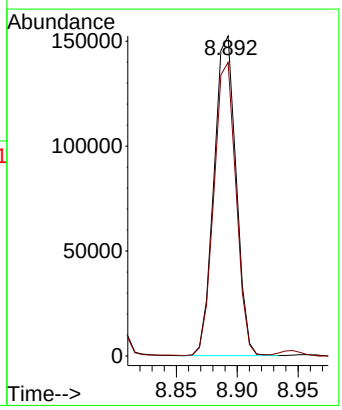


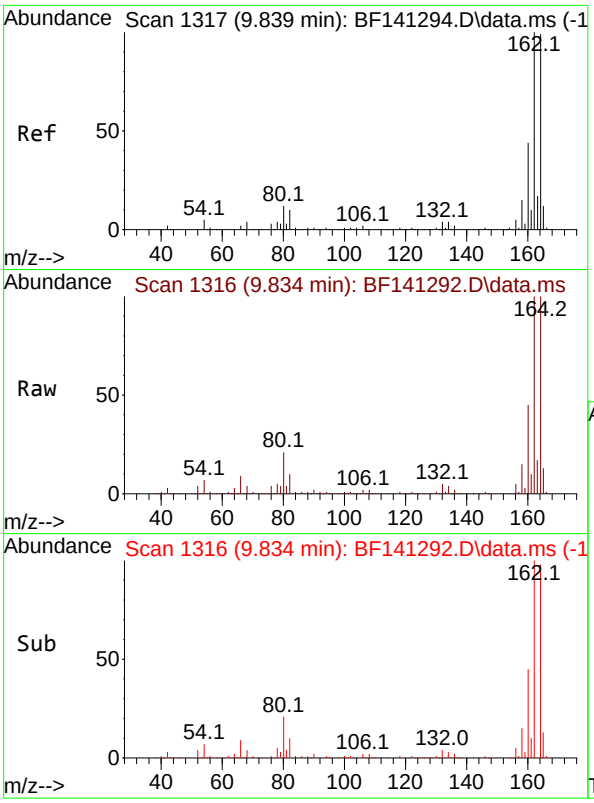


#38
1-Methylnaphthalene
Concen: 11.022 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 192861

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.2	109.8

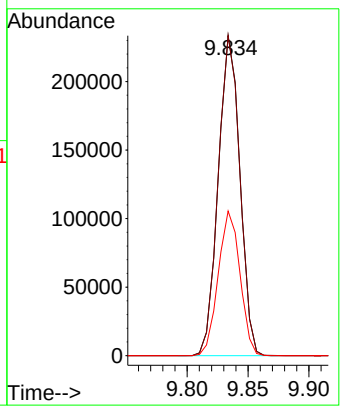




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:164 Resp: 28955

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	121.0
160	45.2	35.8	53.6



Instrument :
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ClientSampleId :
SSTDICC010

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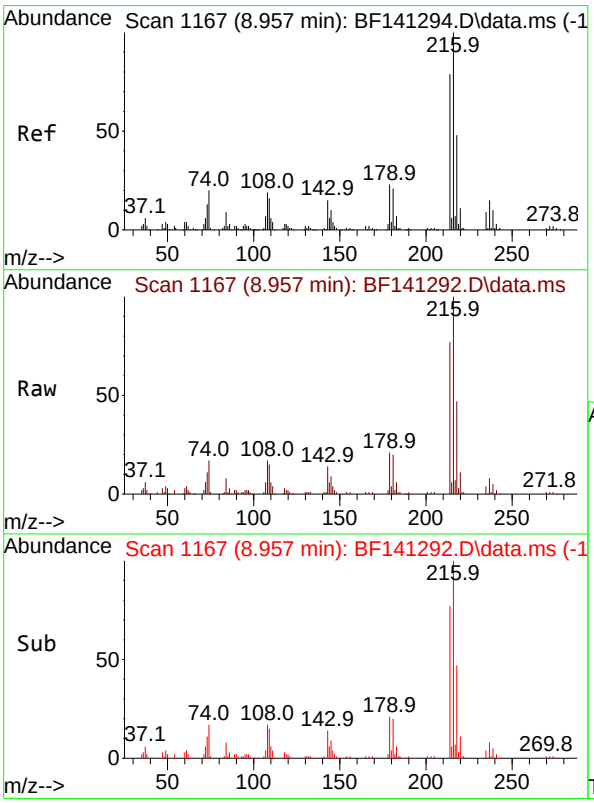
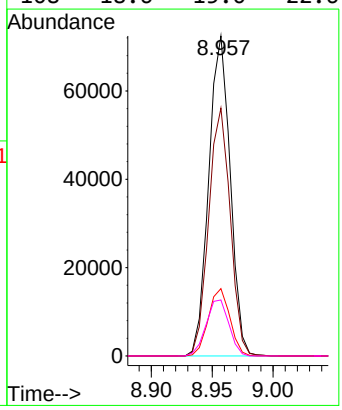
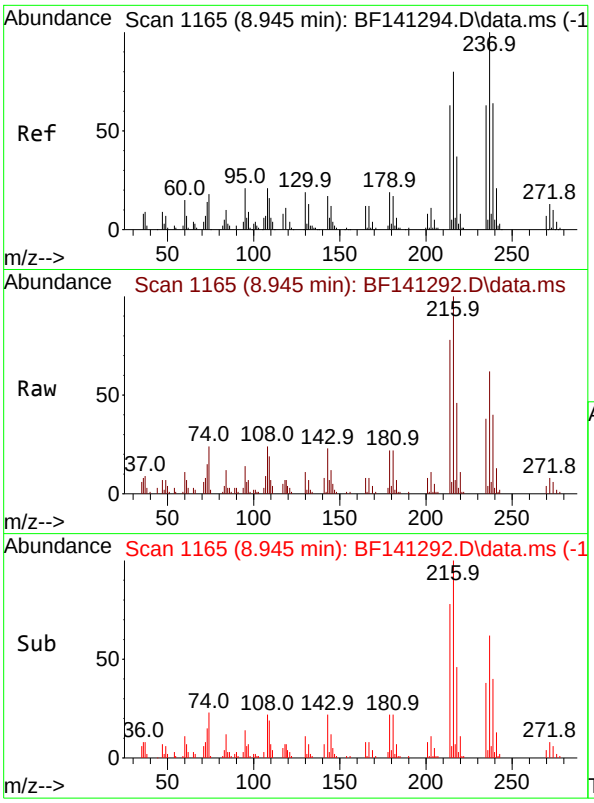


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.775 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:216 Resp: 88710

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.2	94.8
179	21.1	17.8	26.8
108	18.6	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 9.212 ng
RT: 8.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 2275

Ion	Ratio	Lower	Upper
237	100		
235	60.8	42.9	82.9
272	12.3	0.0	32.8

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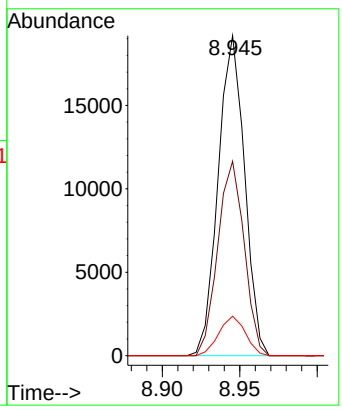
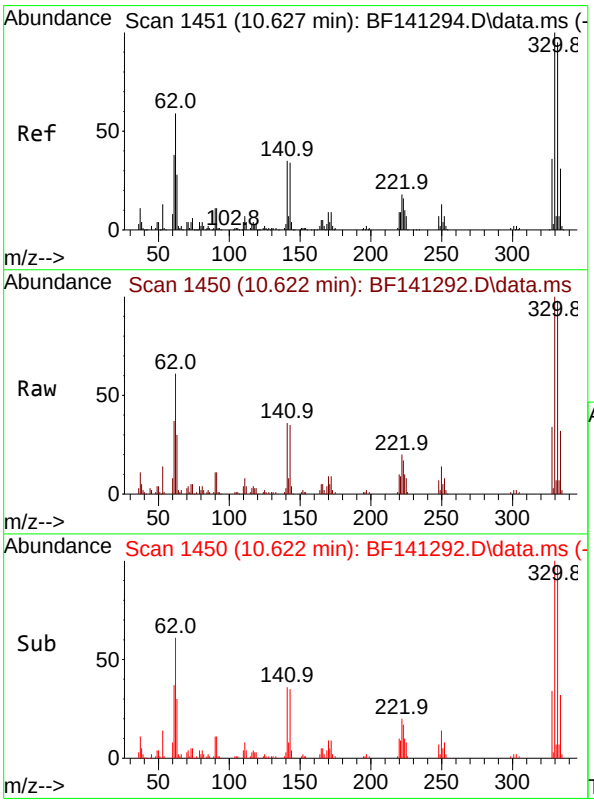
Supervised By :mohammad ahmed 02/04/2025

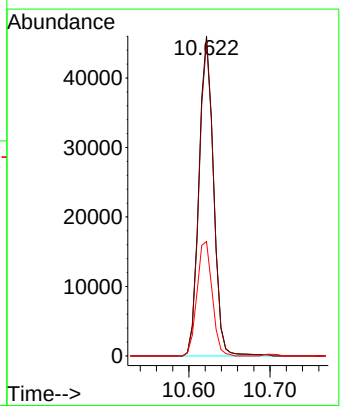


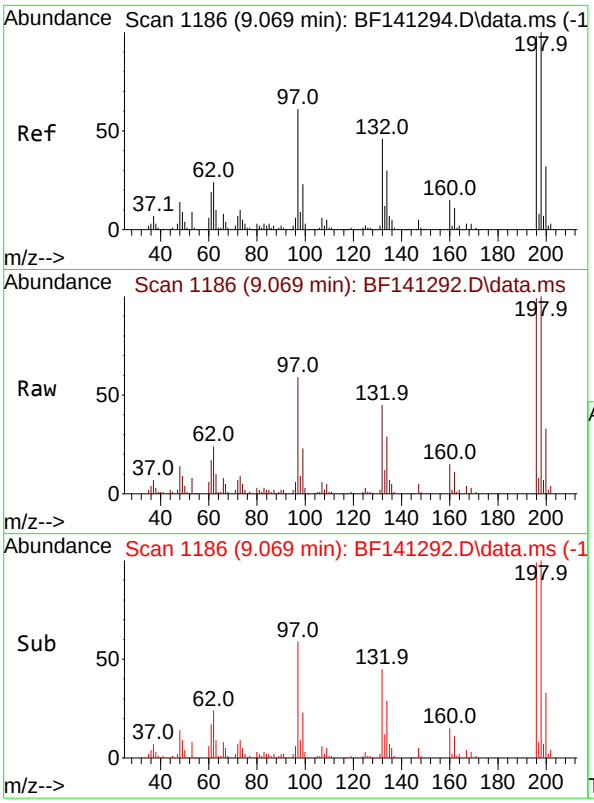


#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:330 Resp: 57417

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.1	114.1
141	37.3	28.8	43.2

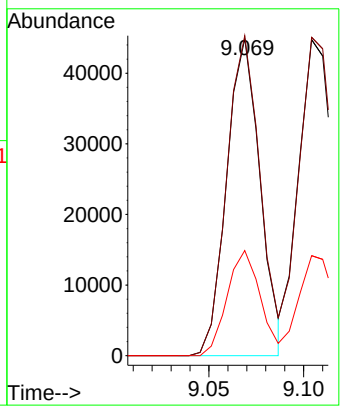




#43
2,4,6-Trichlorophenol
Concen: 10.241 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 5503

Ion	Ratio	Lower	Upper
196	100		
198	101.0	81.8	122.6
200	33.2	26.3	39.5



Instrument :
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ClientSampleId :
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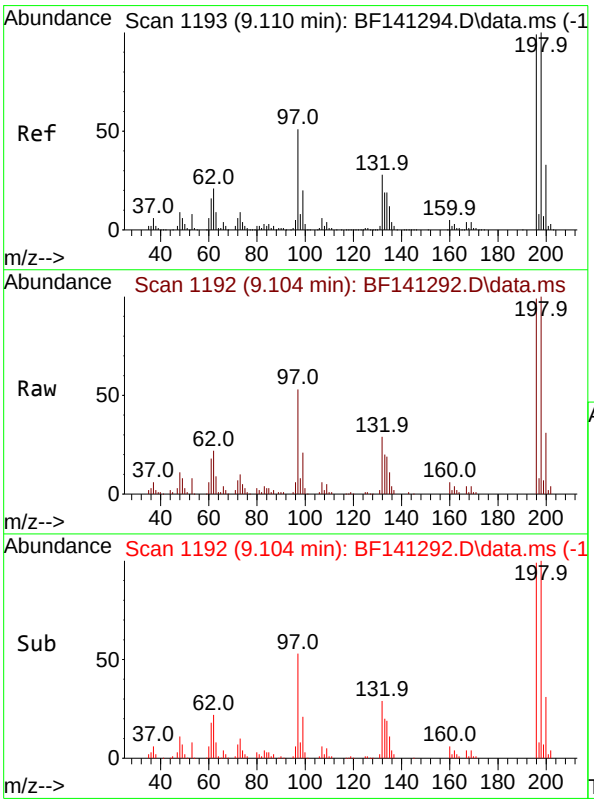
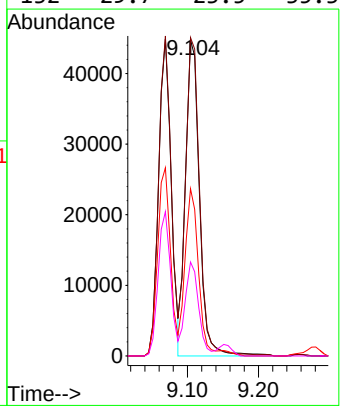
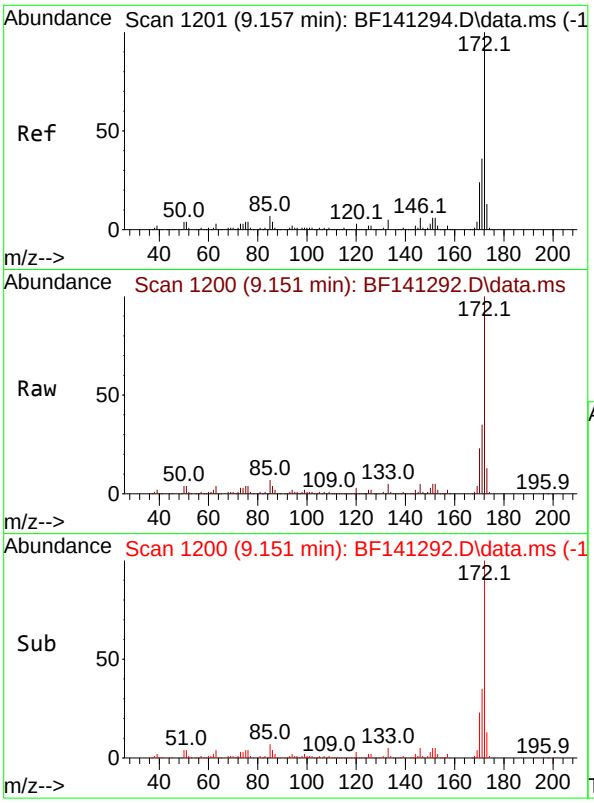


#44
2,4,5-Trichlorophenol
Concen: 10.518 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 61493

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.5	120.7
97	52.9	42.8	64.2
132	29.7	23.5	35.3

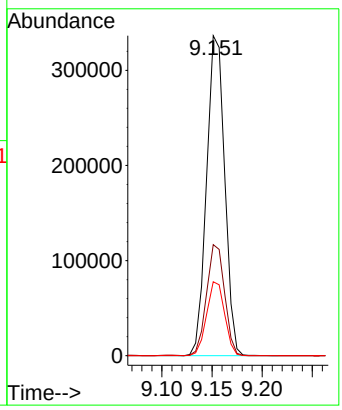




#45
2-Fluorobiphenyl
Concen: 22.581 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:172 Resp: 42385

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.8	43.2
170	23.1	19.0	28.6



Instrument :
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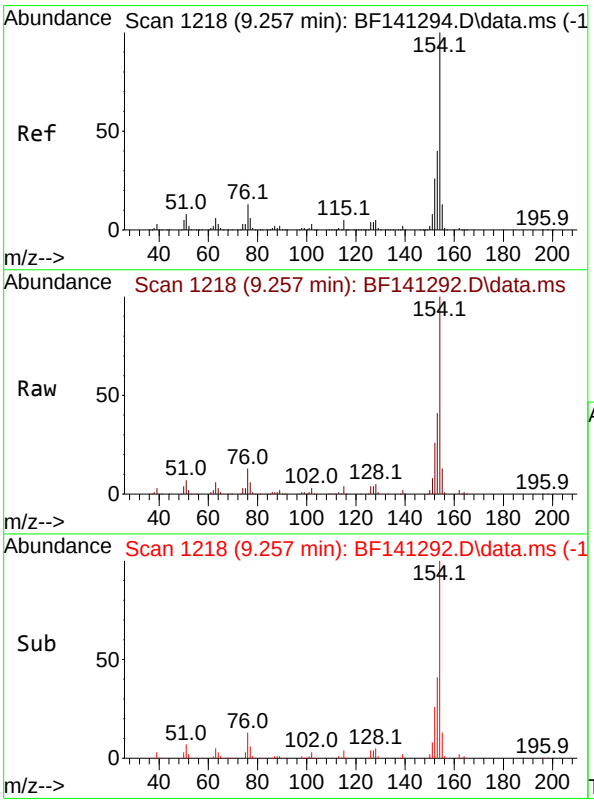
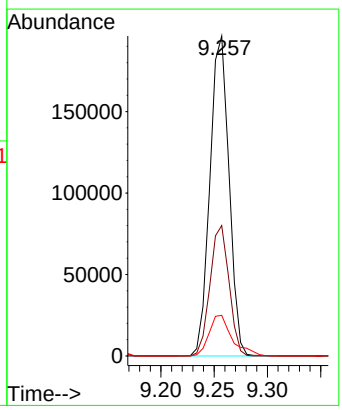
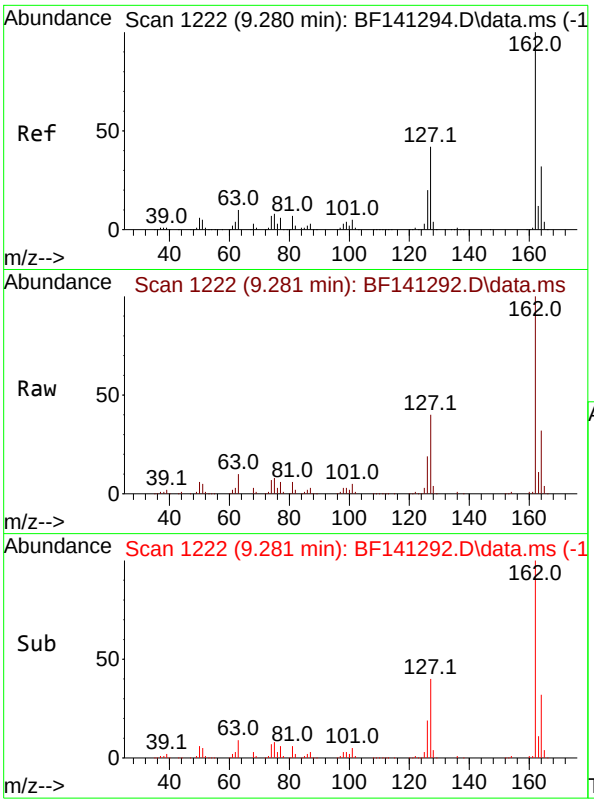


#46
1,1'-Biphenyl
Concen: 10.847 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 245028

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.0	60.0
76	12.7	0.0	32.8

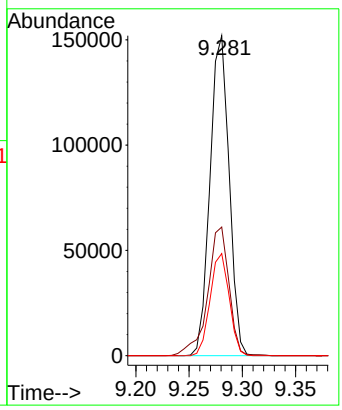




#47
2-Chloronaphthalene
Concen: 10.812 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:162 Resp: 189709

Ion	Ratio	Lower	Upper
162	100		
127	40.2	33.7	50.5
164	31.9	25.9	38.9



Instrument :
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ClientSampleId :
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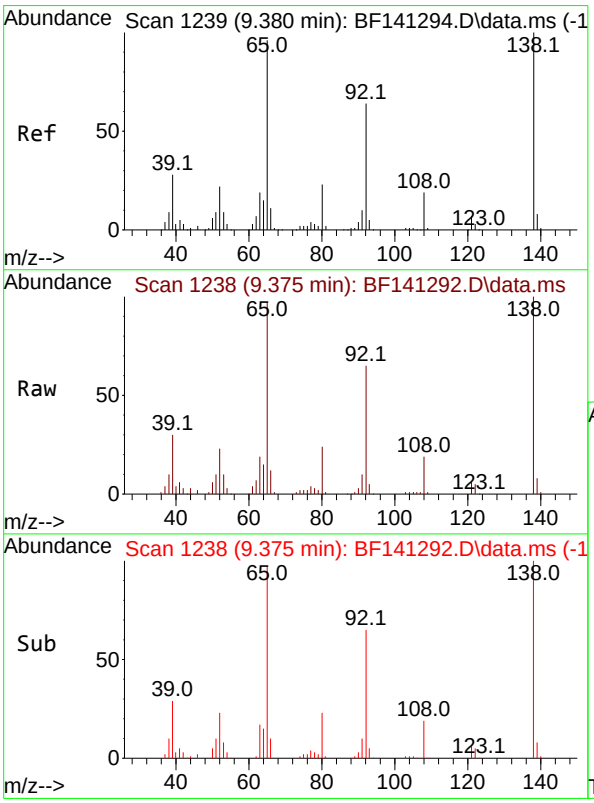
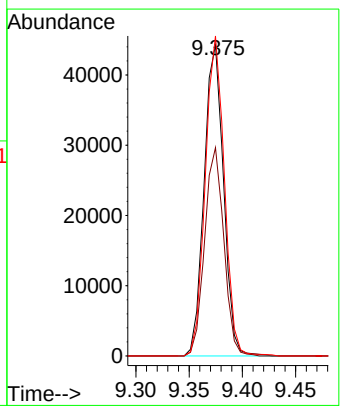
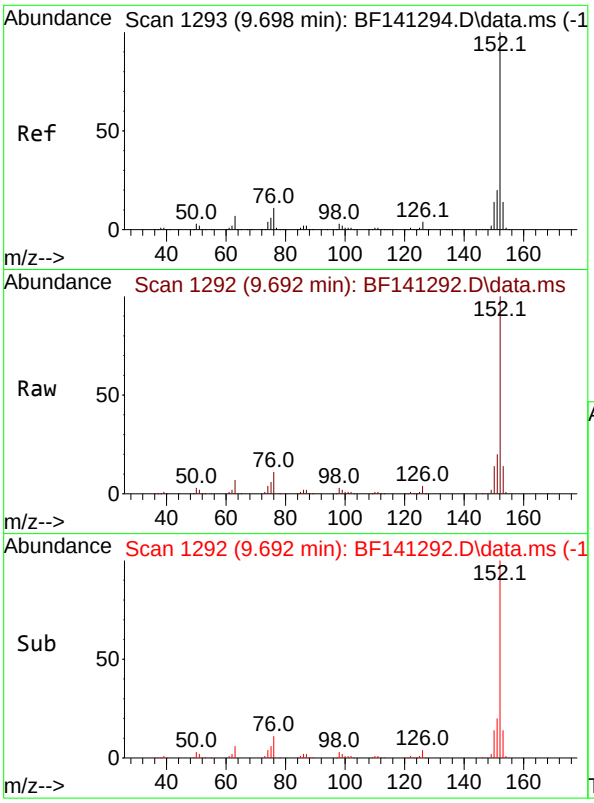


#48
2-Nitroaniline
Concen: 10.164 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 65 Resp: 56247

Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.3	79.9
138	102.9	83.6	125.4

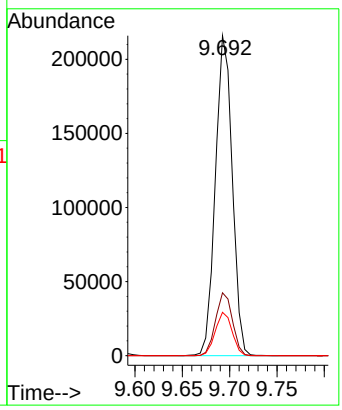




#49
Acenaphthylene
Concen: 10.895 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 26847

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	13.6	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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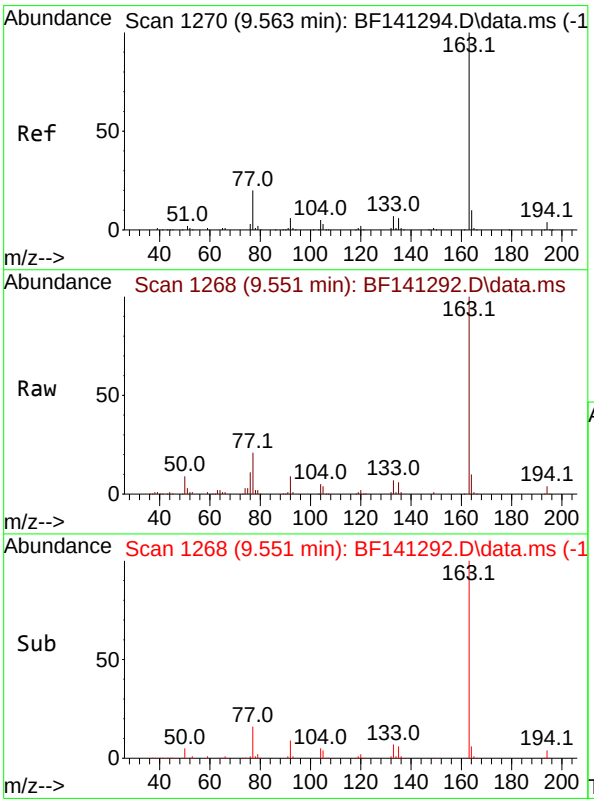
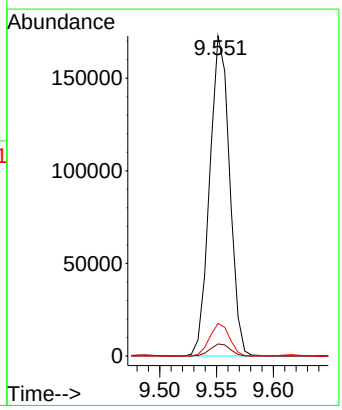
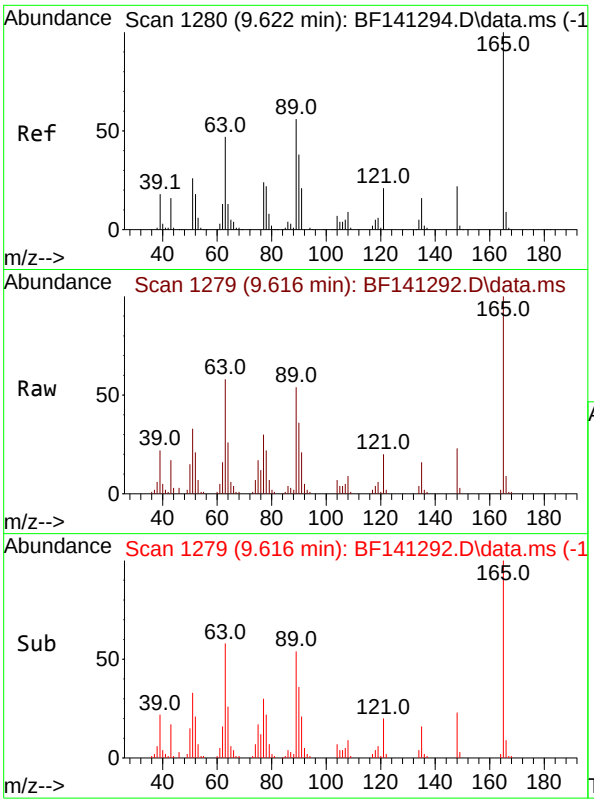


#50
Dimethylphthalate
Concen: 10.857 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:163 Resp: 210816

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0

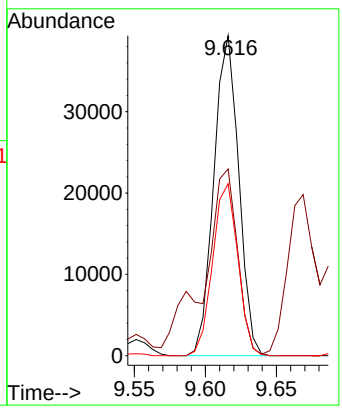




#51
2,6-Dinitrotoluene
Concen: 10.613 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:165 Resp: 4795

Ion	Ratio	Lower	Upper
165	100		
63	58.3	48.1	72.1
89	53.7	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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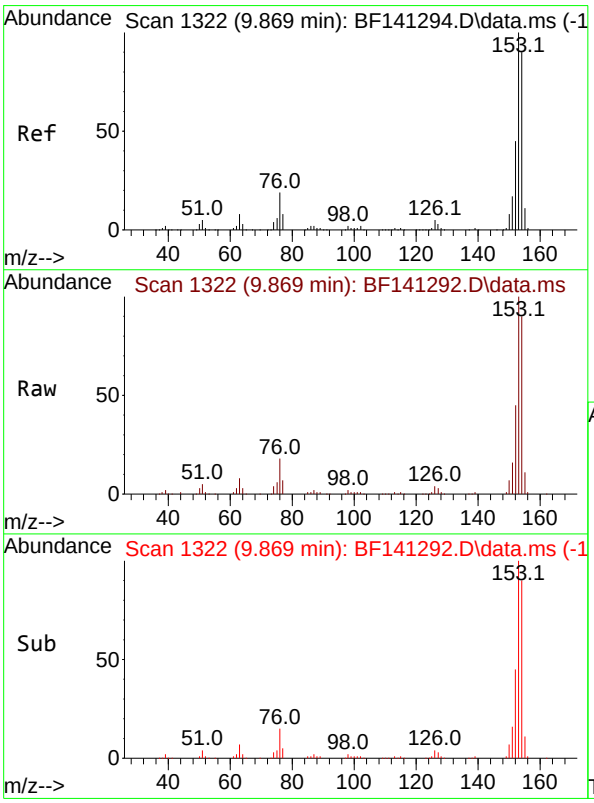
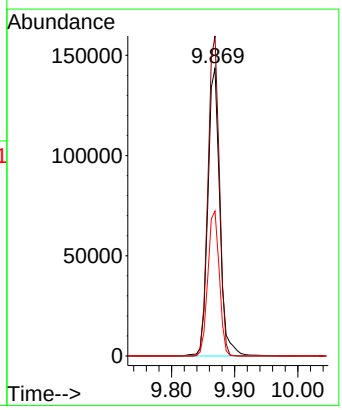
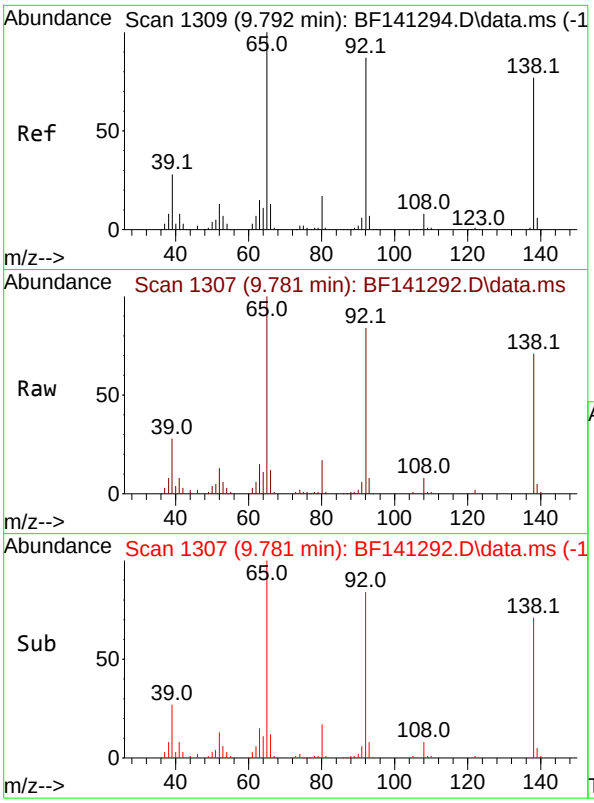


#52
Acenaphthene
Concen: 10.738 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 188283

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	50.4	40.2	60.4





#53
3-Nitroaniline
Concen: 10.699 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:138 Resp: 4781

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.6	12.8
92	119.2	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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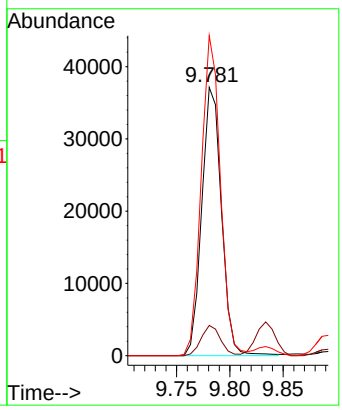
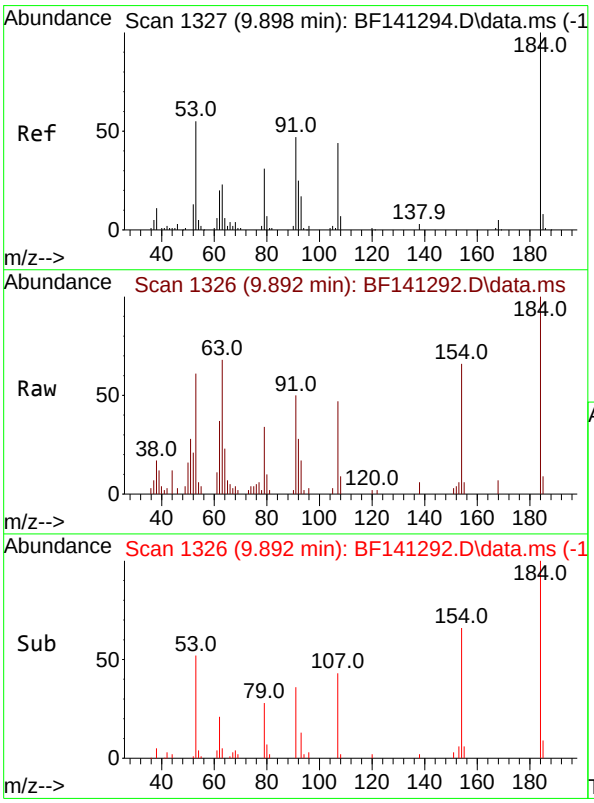
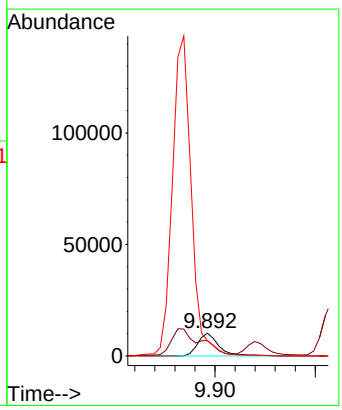


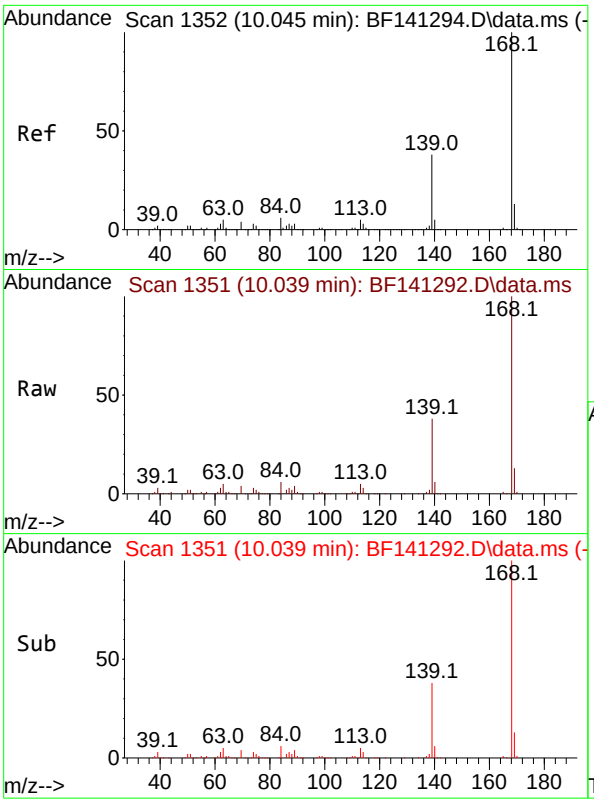


#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 14749

Ion	Ratio	Lower	Upper
184	100		
63	67.9	54.1	81.1
154	66.2	50.7	76.1

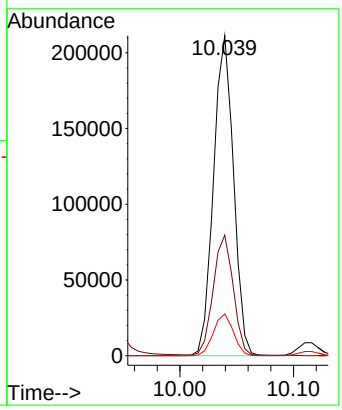




#55
Dibenzofuran
Concen: 11.038 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:168 Resp: 25883

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.6	46.0
169	13.1	10.8	16.2



Instrument :
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ClientSampleId :
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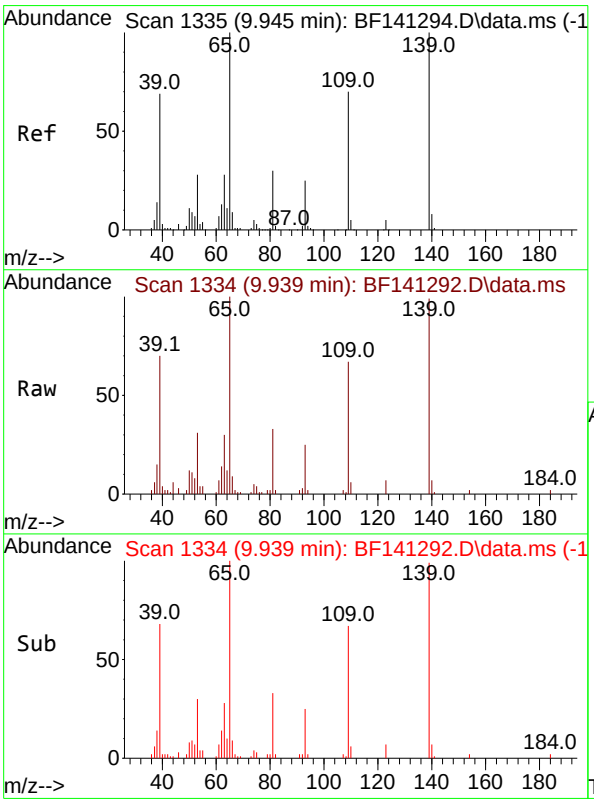
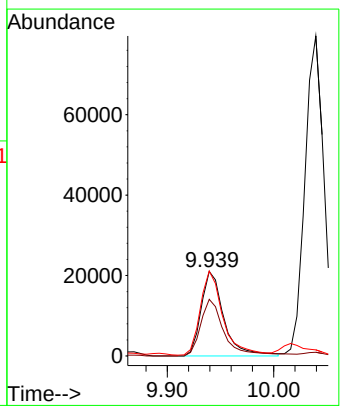
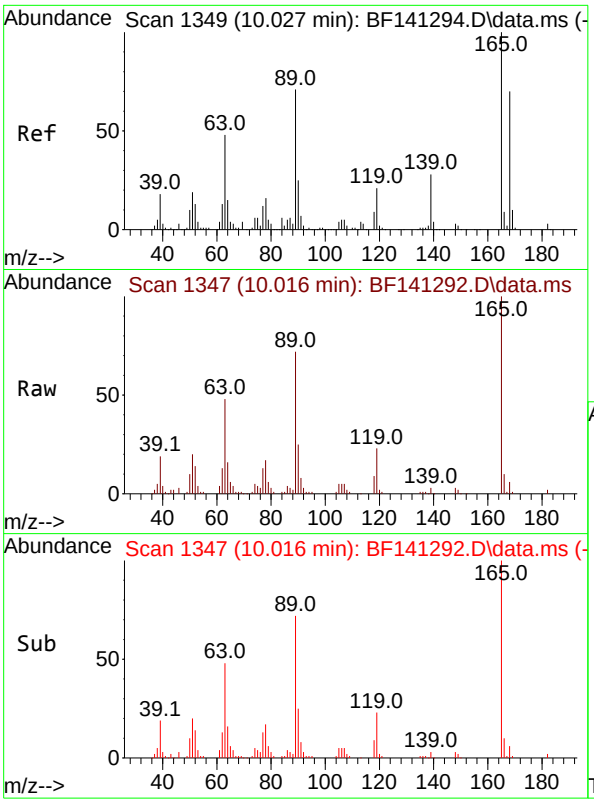


#56
4-Nitrophenol
Concen: 9.722 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 31196

Ion	Ratio	Lower	Upper
139	100		
109	67.1	50.2	90.2
65	100.6	80.6	120.6

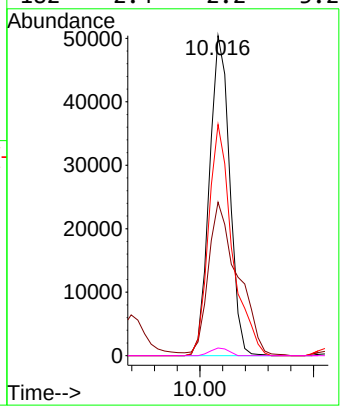




#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:165 Resp: 6241

Ion	Ratio	Lower	Upper
165	100		
63	48.0	39.2	58.8
89	72.2	56.9	85.3
182	2.4	2.2	3.2



Instrument :
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ClientSampleId :
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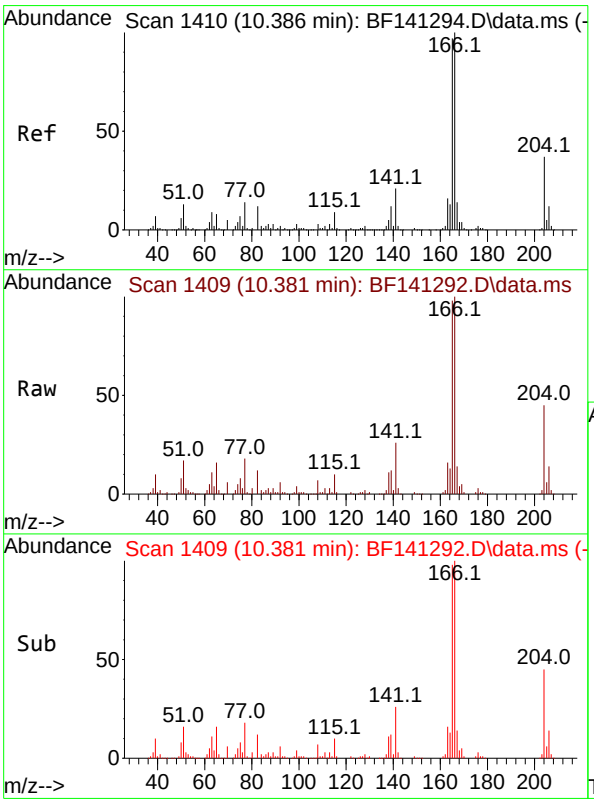
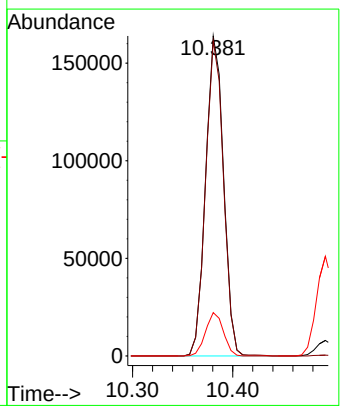
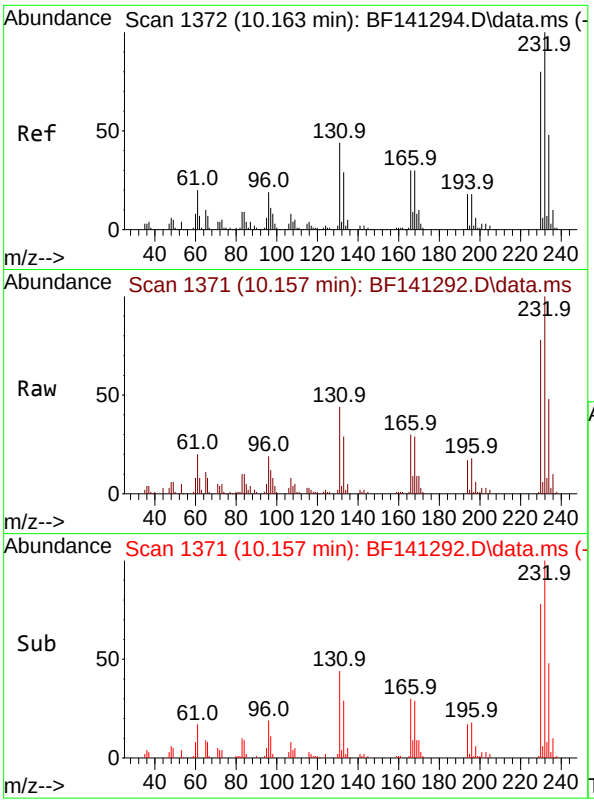


#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:166 Resp: 204141

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.5	116.3
167	13.6	10.9	16.3

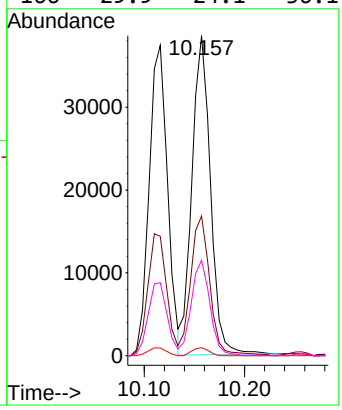




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.737 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:232 Resp: 4959

Ion	Ratio	Lower	Upper
232	100		
131	45.2	36.4	54.6
130	2.2	1.9	2.9
166	29.9	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
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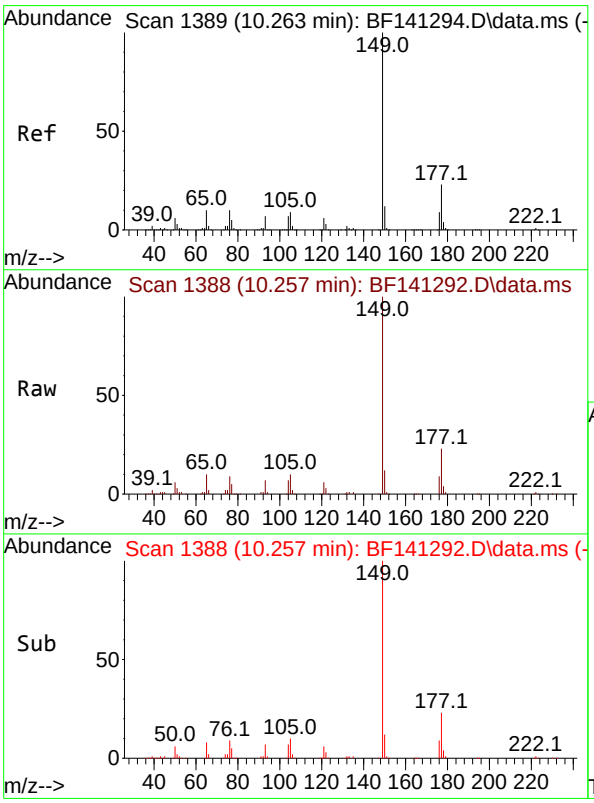
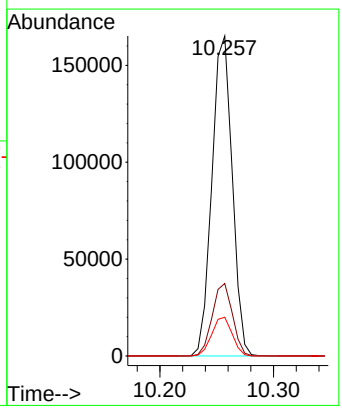
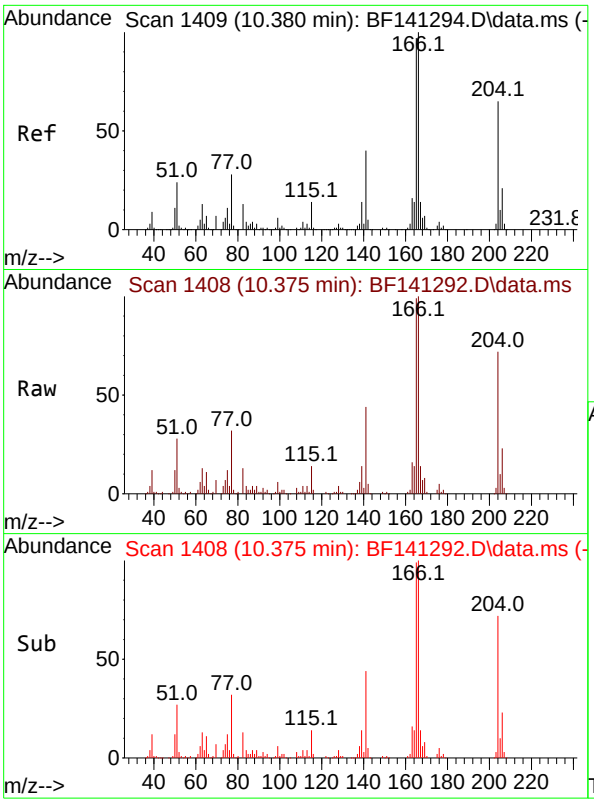


#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 205131

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.5	27.7
150	12.1	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 11.294 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:204 Resp: 10048

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.9	38.9
141	61.8	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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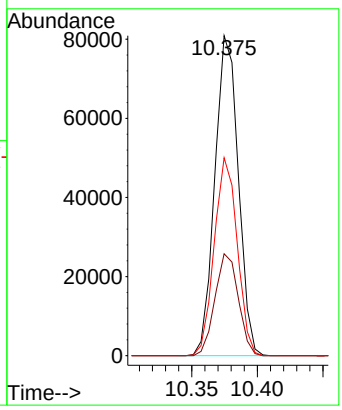
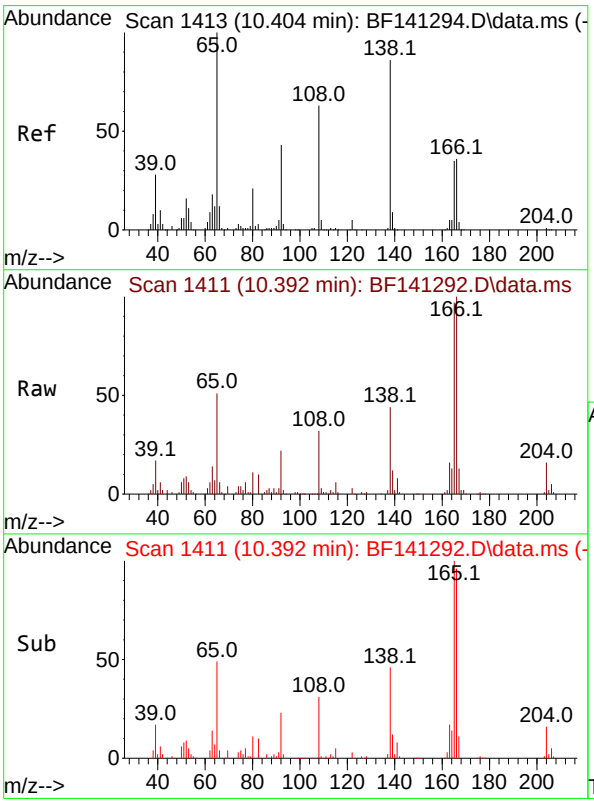
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

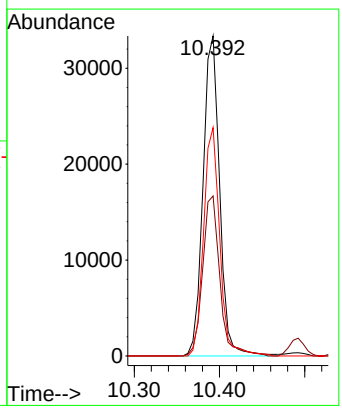


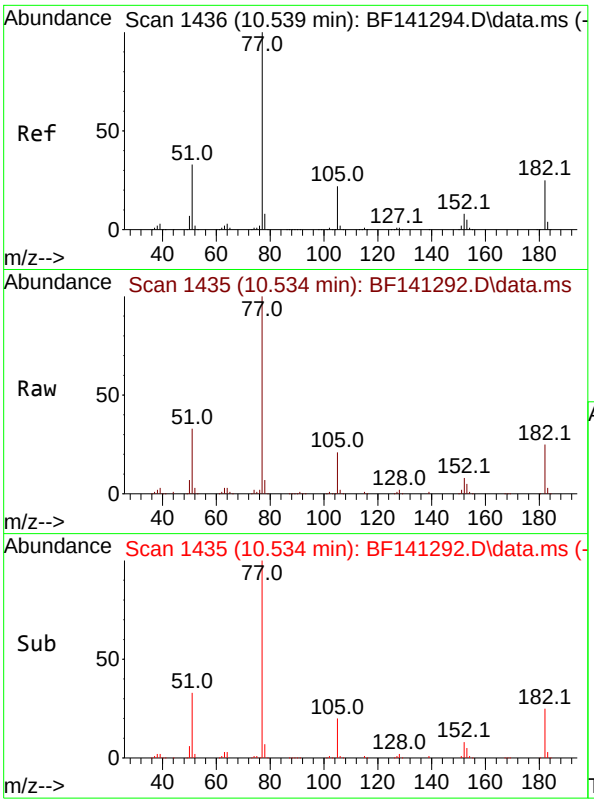


#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:138 Resp: 45222

Ion	Ratio	Lower	Upper
138	100		
92	50.0	30.1	70.1
108	71.3	53.1	93.1

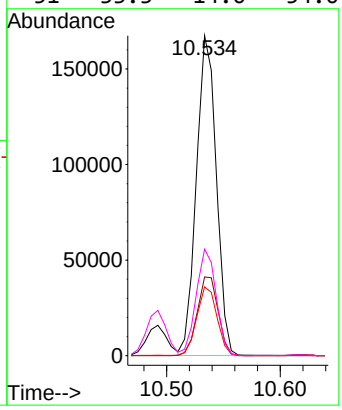




#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 20430

Ion	Ratio	Lower	Upper
77	100		
182	24.6	5.1	45.1
105	21.5	1.8	41.8
51	33.3	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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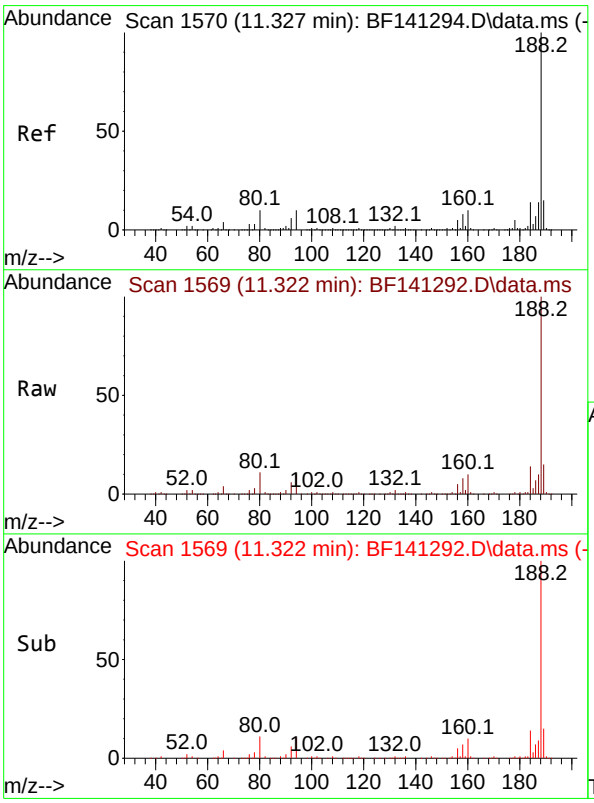
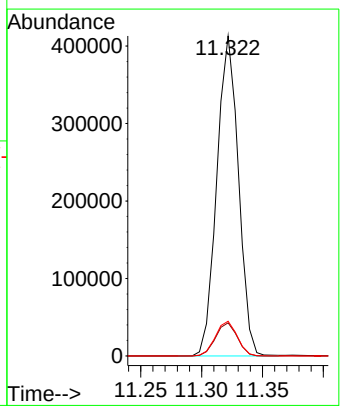
Supervised By :mohammad ahmed 02/04/2025

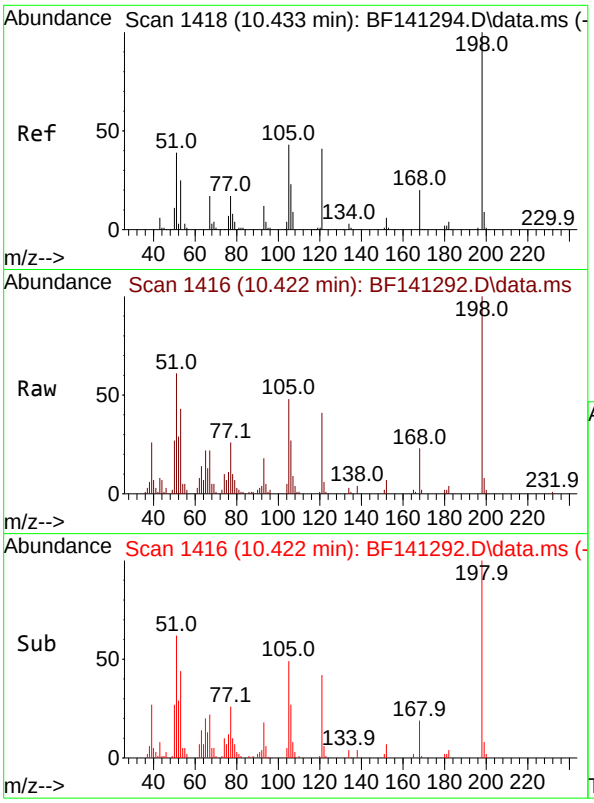


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:188 Resp: 510795

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	10.9	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 8.831 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:198 Resp: 2693

Ion	Ratio	Lower	Upper
198	100		
51	61.2	33.4	73.4
105	48.3	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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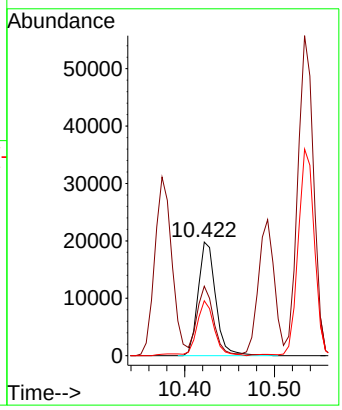
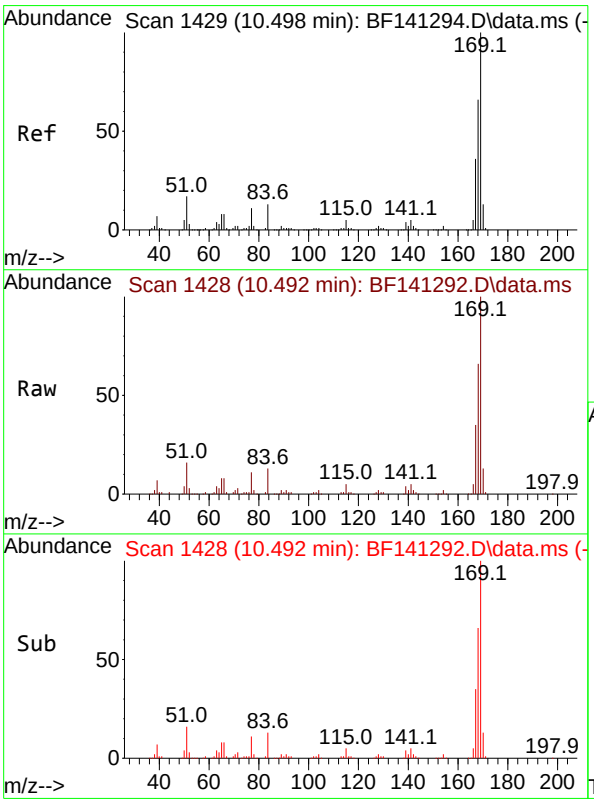
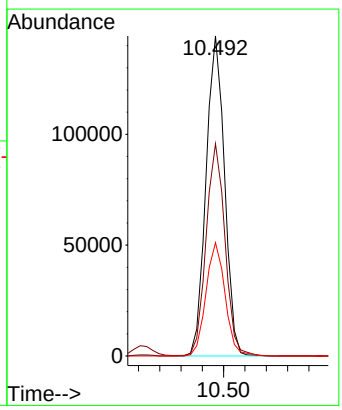


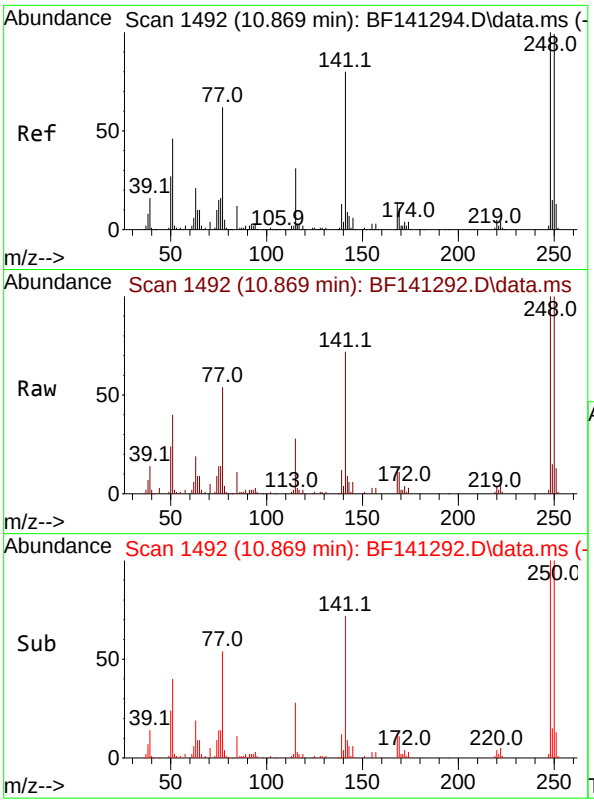


#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:169 Resp: 174617

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.4
167	35.4	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 10.468 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 5977

Ion	Ratio	Lower	Upper
248	100		
250	100.0	79.0	118.4
141	72.2	63.7	95.5

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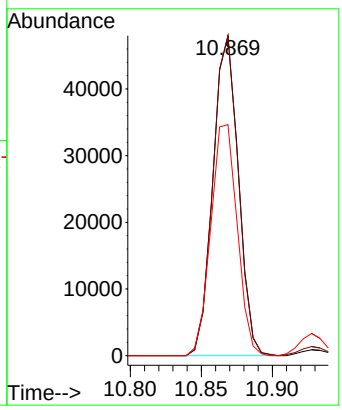
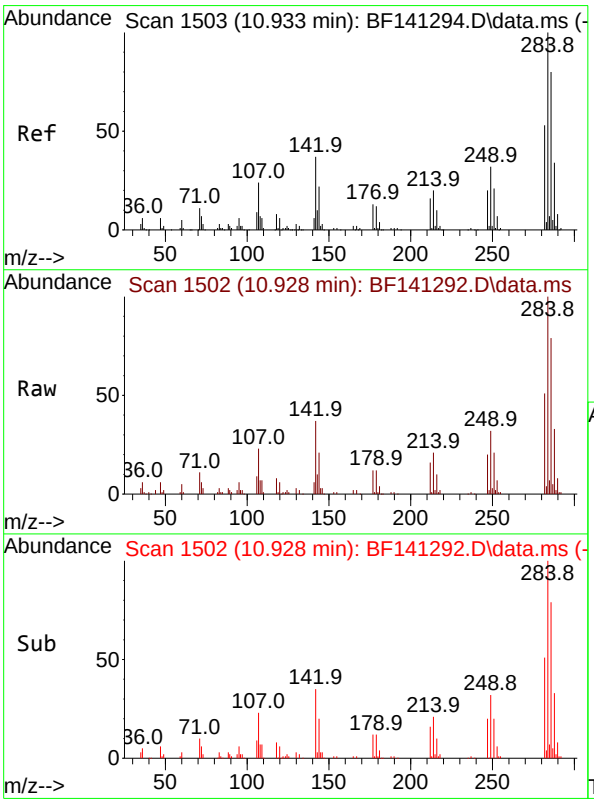
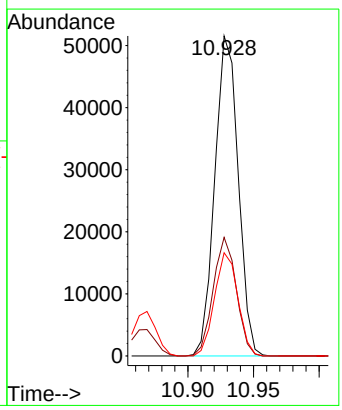


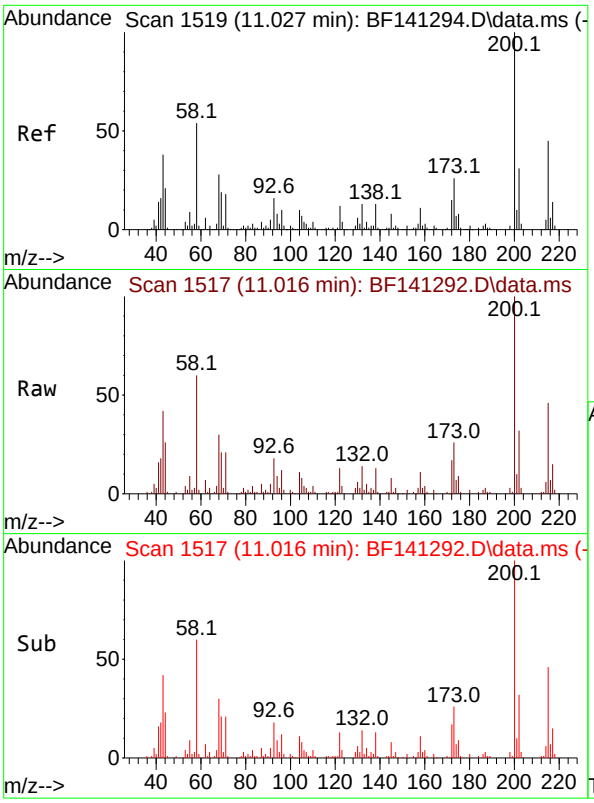


#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:284 Resp: 63908

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.5	44.3
249	32.2	25.4	38.2

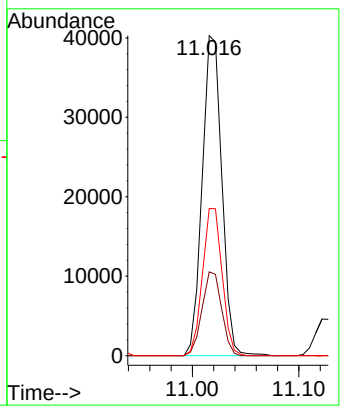




#69
Atrazine
Concen: 9.295 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:200 Resp: 5163

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.9	45.9
215	46.0	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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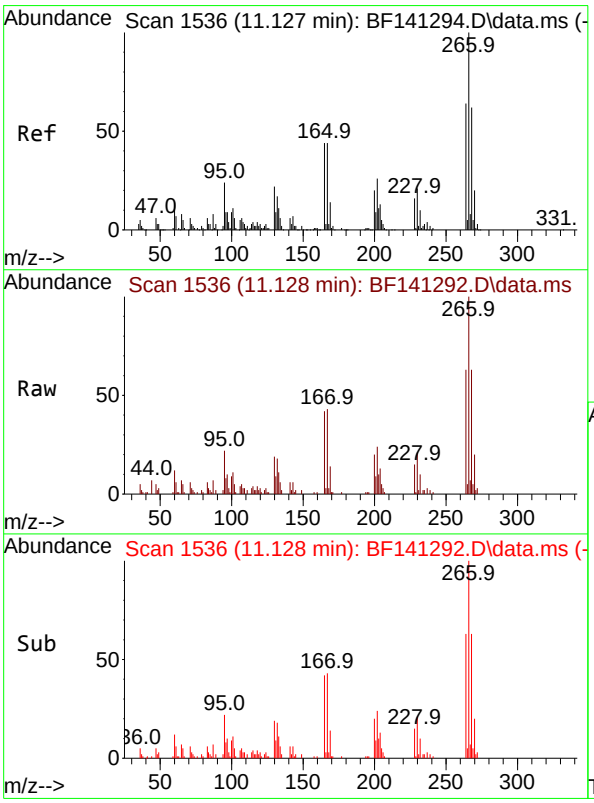
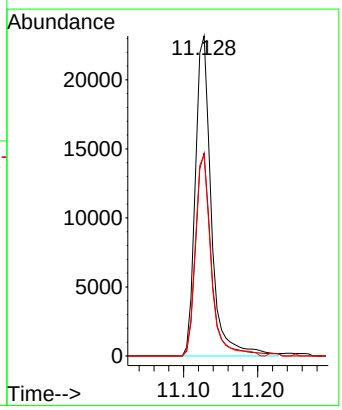
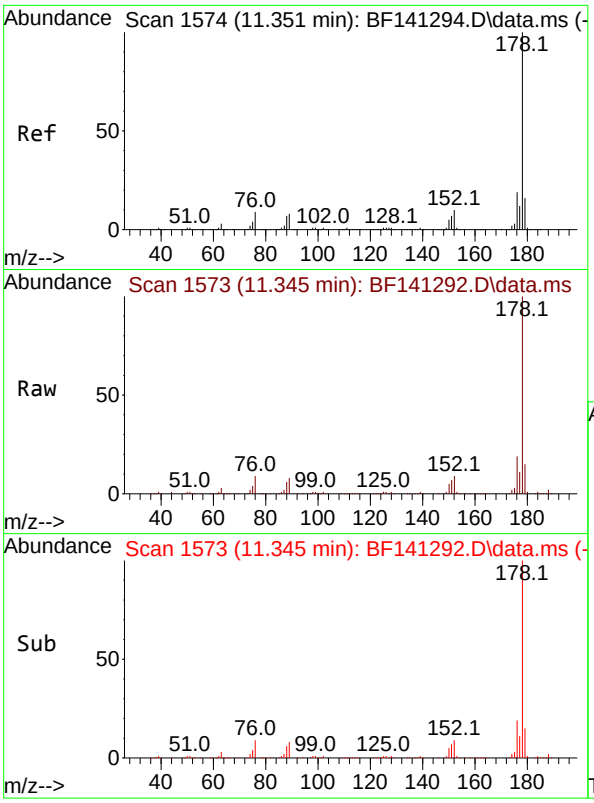


#70
Pentachlorophenol
Concen: 9.796 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:266 Resp: 34788

Ion	Ratio	Lower	Upper
266	100		
268	63.4	49.9	74.9
264	62.7	51.0	76.4

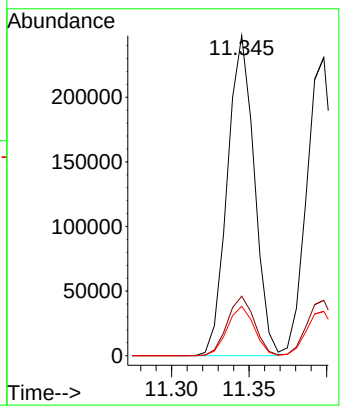




#71
Phenanthrene
Concen: 10.893 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:178 Resp: 29889

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.4	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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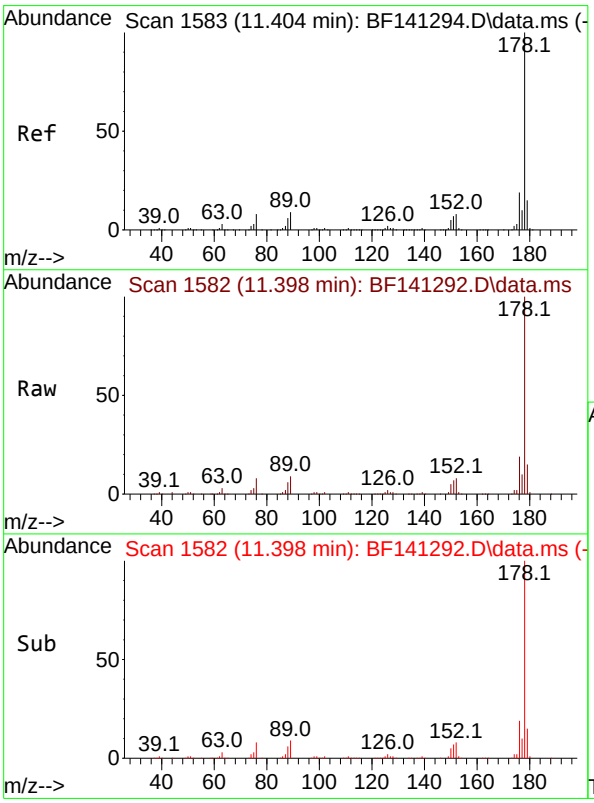
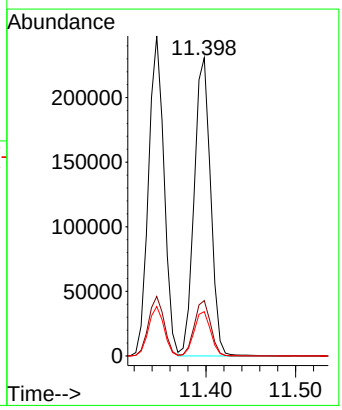
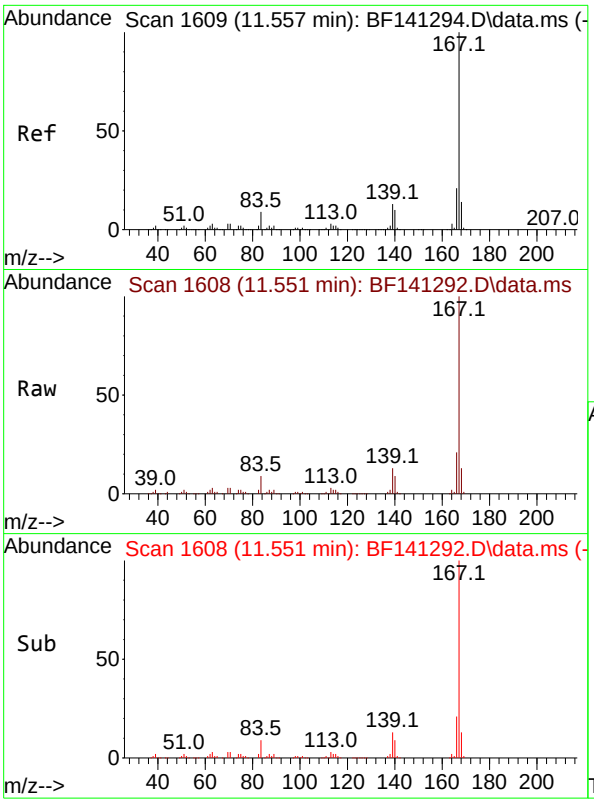


#72
Anthracene
Concen: 10.940 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:178 Resp: 292813

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	14.9	12.3	18.5

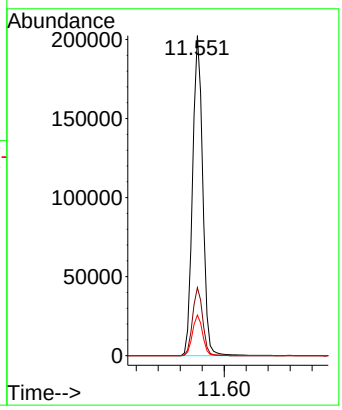




#73
Carbazole
Concen: 10.919 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:167 Resp: 25885

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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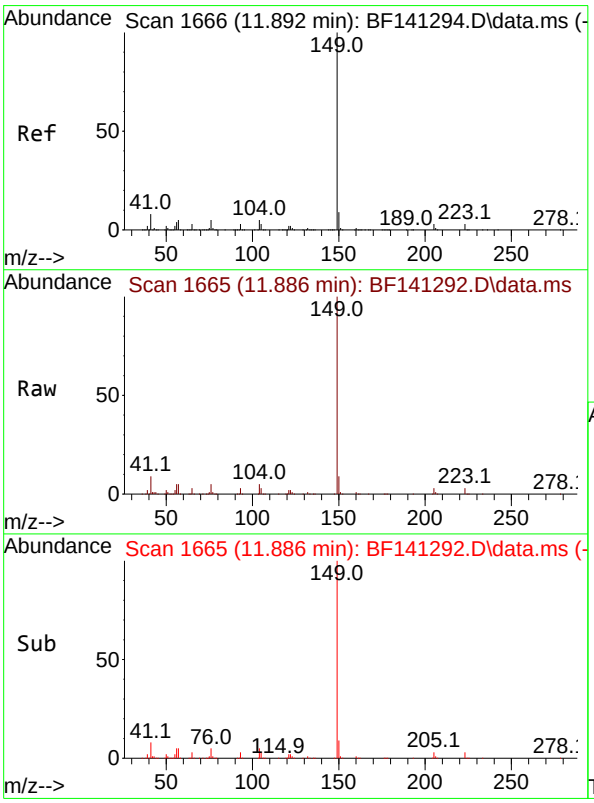
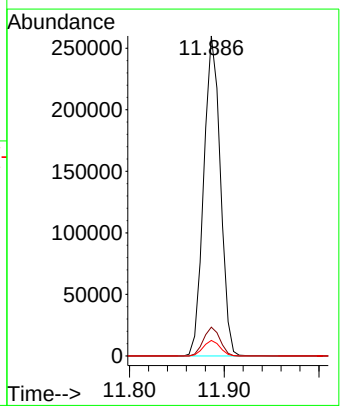
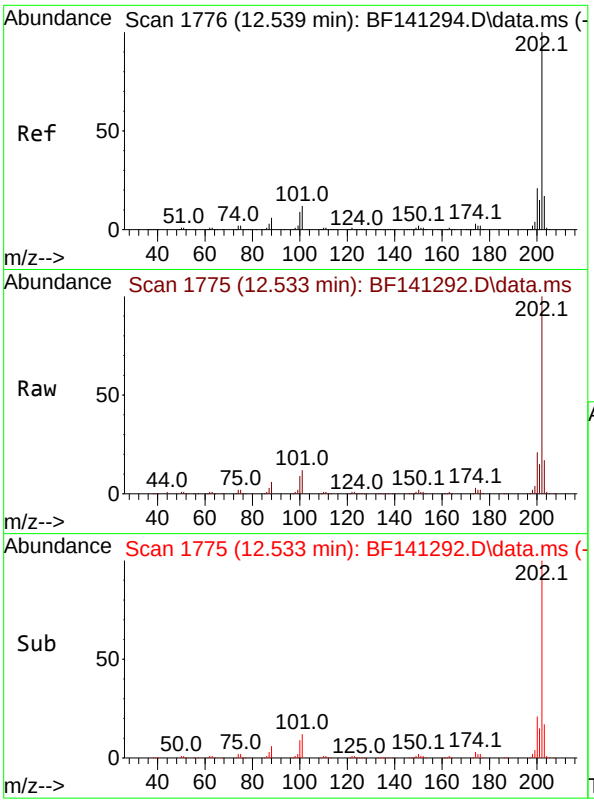


#74
Di-n-butylphthalate
Concen: 11.070 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 316336

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.9	3.9	5.9





#75
Fluoranthene
Concen: 11.462 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:202 Resp: 30696

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.1	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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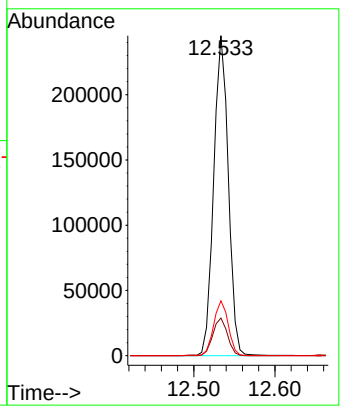
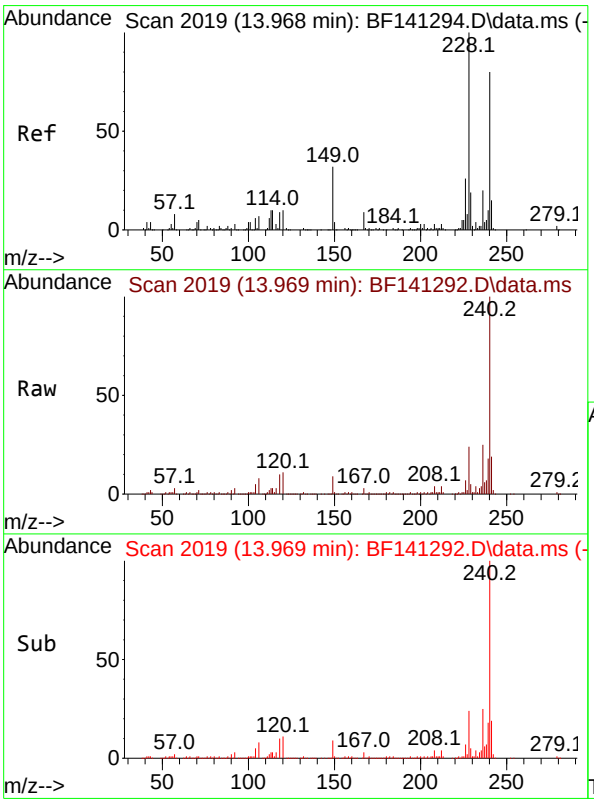
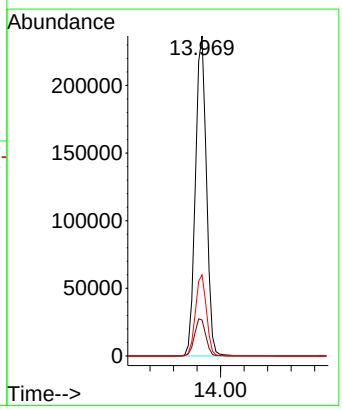


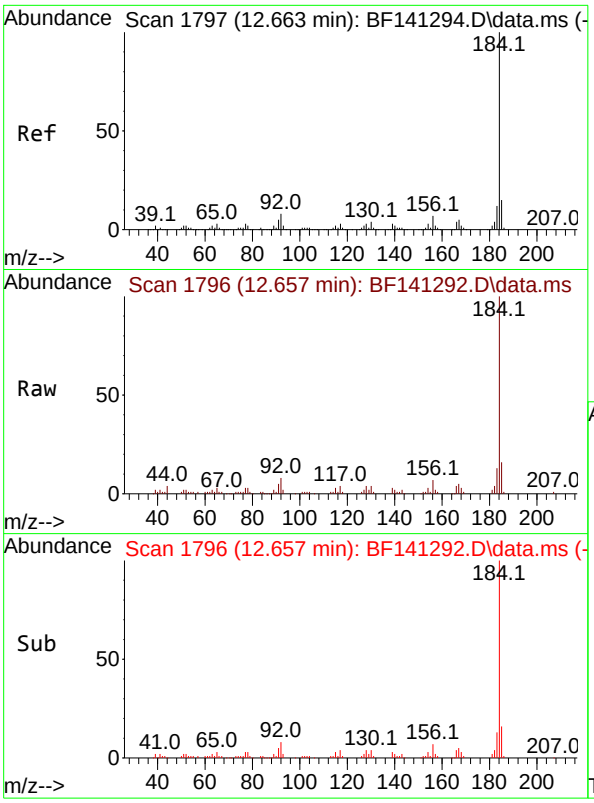


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:240 Resp: 308114

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.0	15.0
236	25.4	19.7	29.5

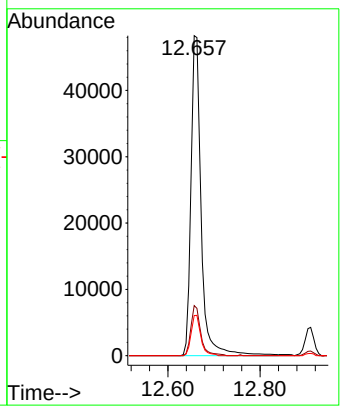




#77
Benzidine
Concen: 7.890 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 7391

Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.9	17.9
183	12.6	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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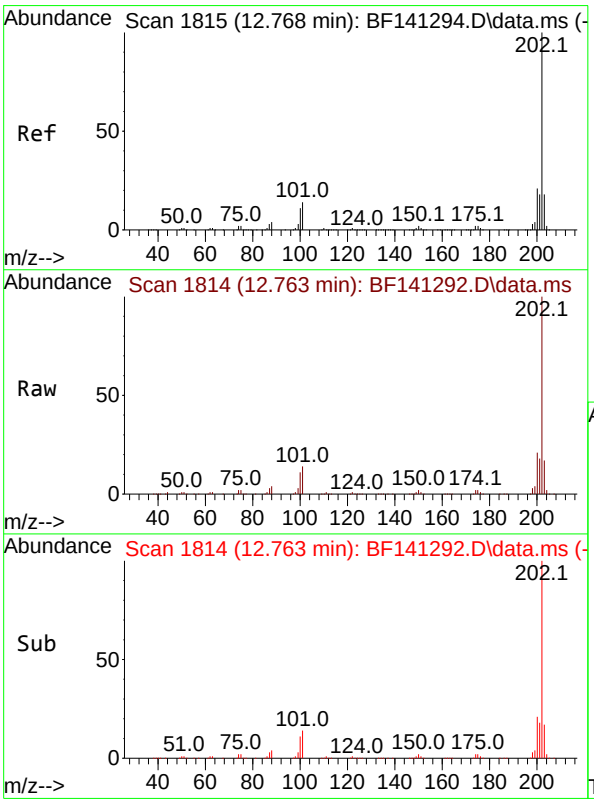
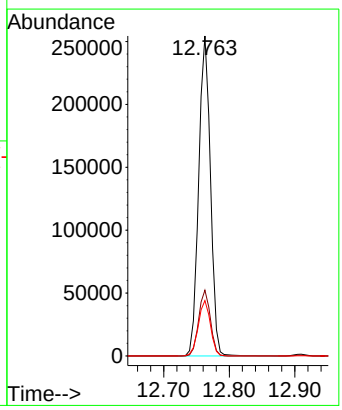
Supervised By :mohammad ahmed 02/04/2025

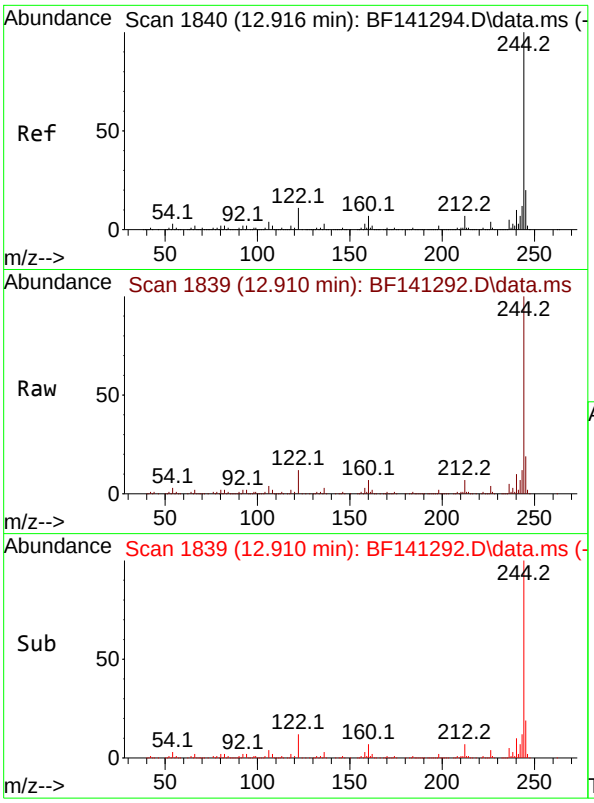


#78
Pyrene
Concen: 10.681 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:202 Resp: 317744

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.3	14.3	21.5

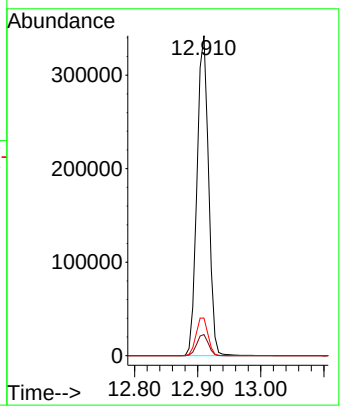




#79
Terphenyl-d14
Concen: 21.713 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:244 Resp: 43478

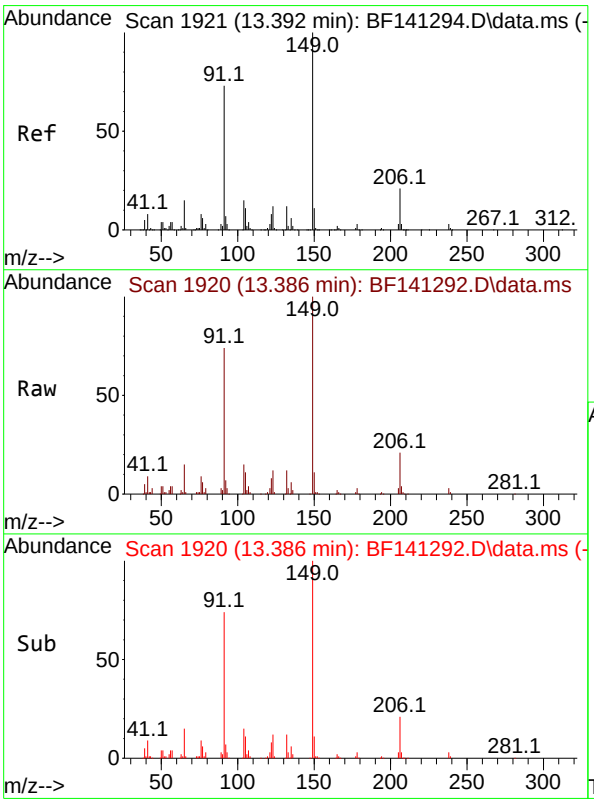
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

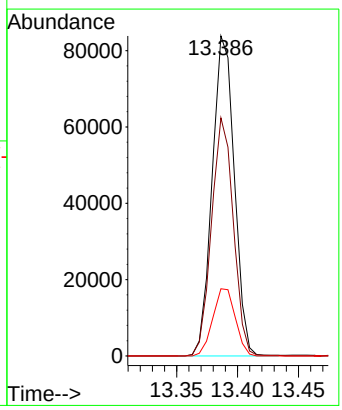
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

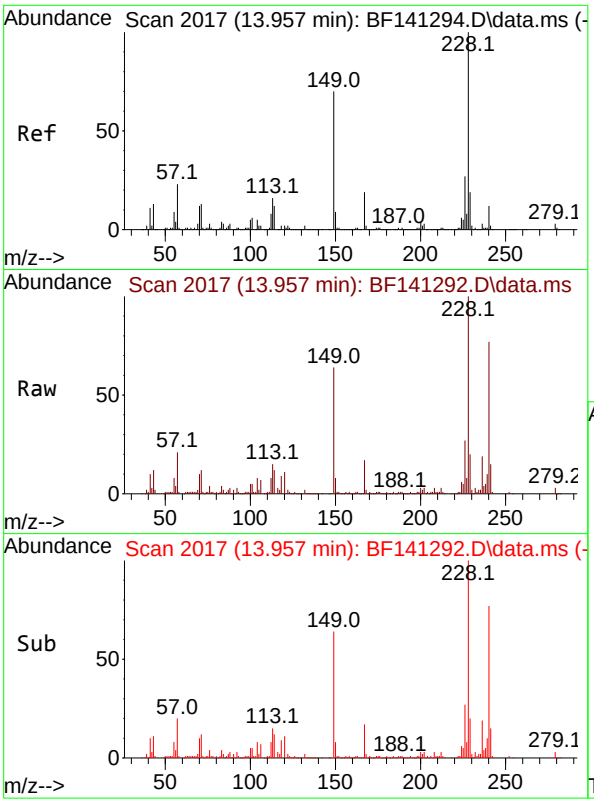


#80
Butylbenzylphthalate
Concen: 10.349 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 106335

Ion	Ratio	Lower	Upper
149	100		
91	74.4	58.6	87.8
206	21.0	16.7	25.1

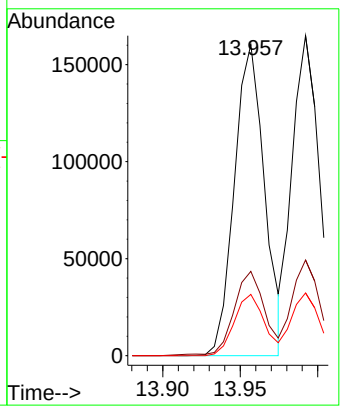




#81
Benzo(a)anthracene
Concen: 10.289 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:228 Resp: 21729

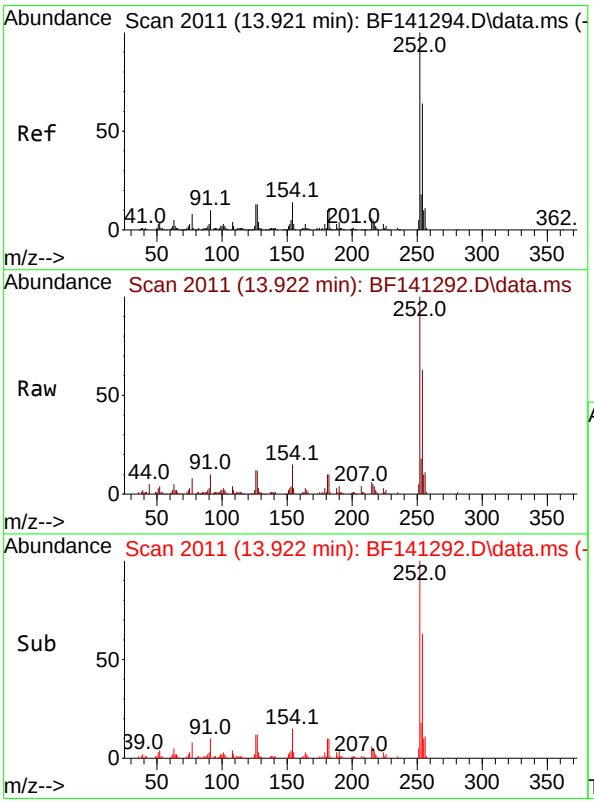
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

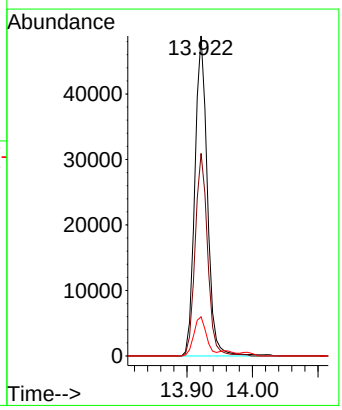
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

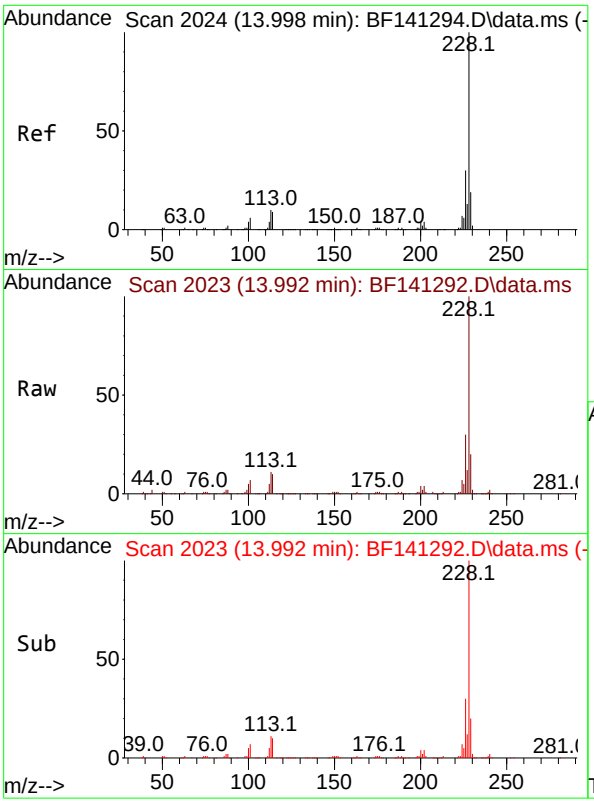


#82
3,3'-Dichlorobenzidine
Concen: 9.833 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 65021

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.3	76.9
126	12.2	10.0	15.0





#83
Chrysene
Concen: 10.421 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

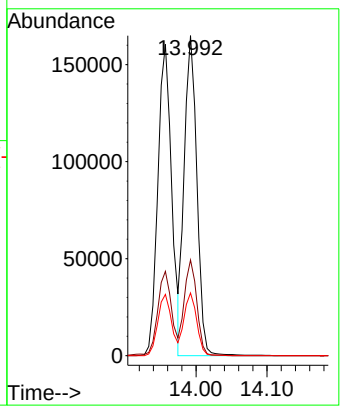
Tgt Ion:228 Resp: 20408(

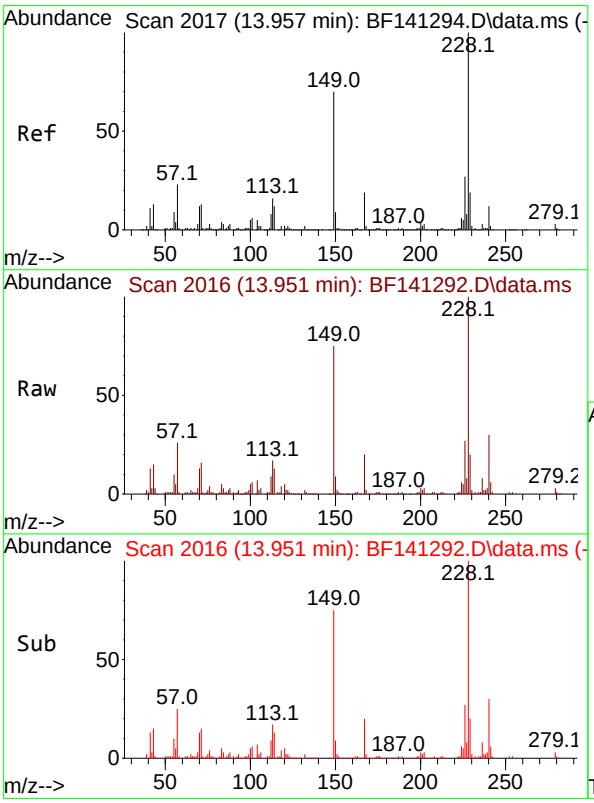
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.6	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

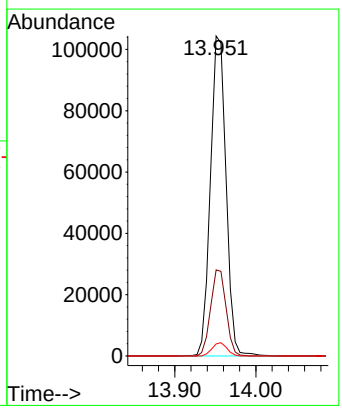


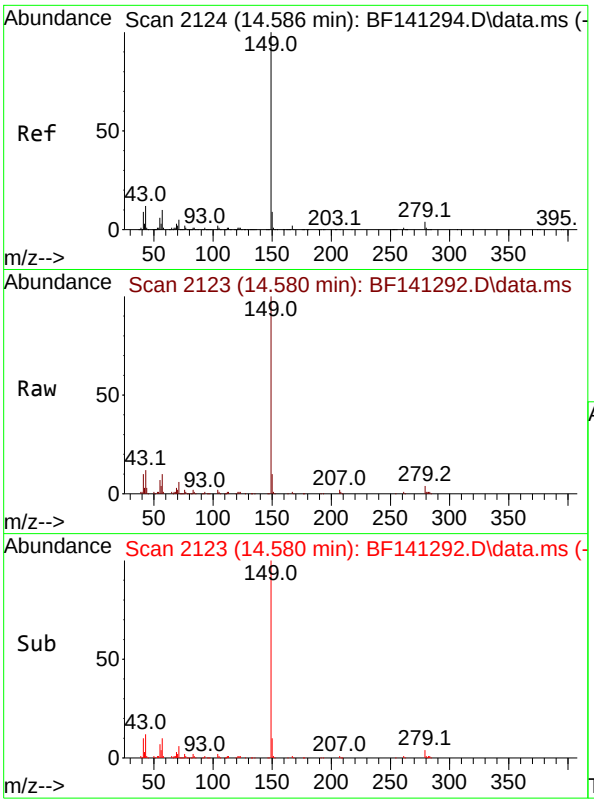


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 139099

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	3.8	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 9.676 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

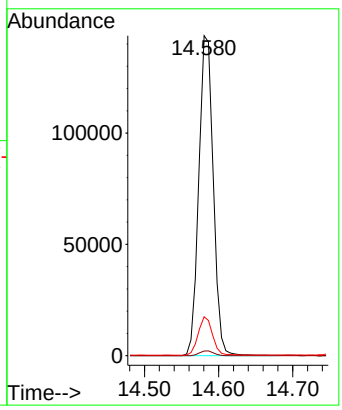
Tgt Ion:149 Resp: 19512

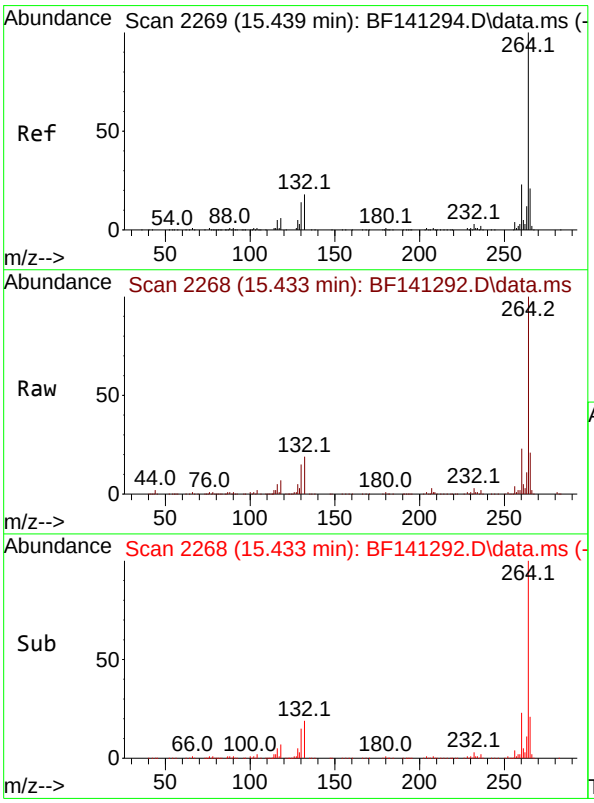
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.8	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

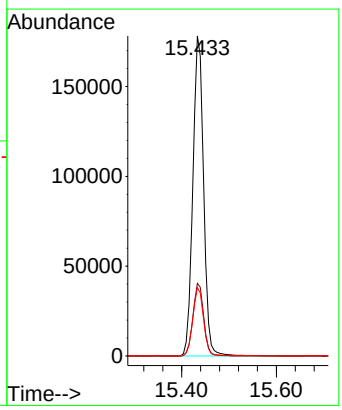


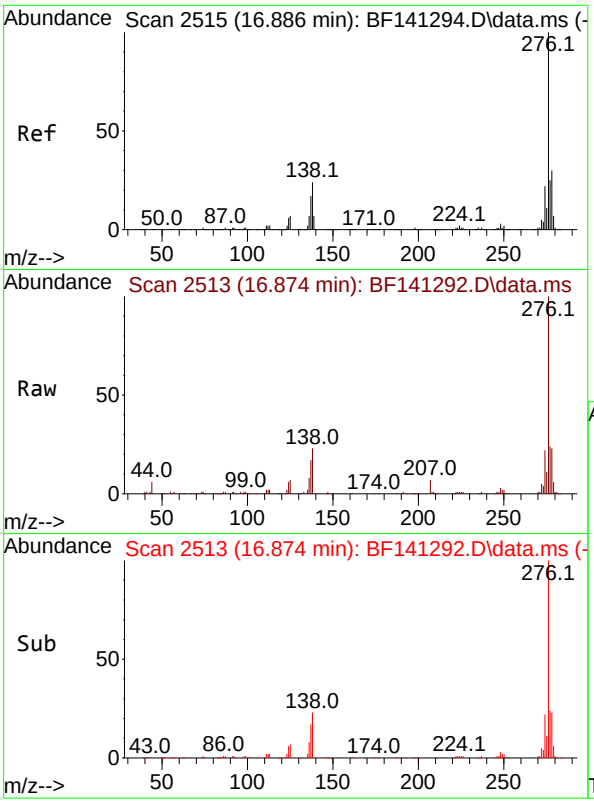


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:264 Resp: 280028

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	21.3	16.7	25.1

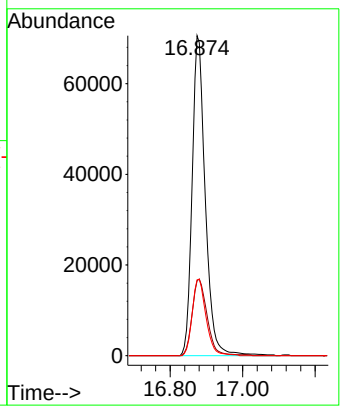




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.708 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 17755

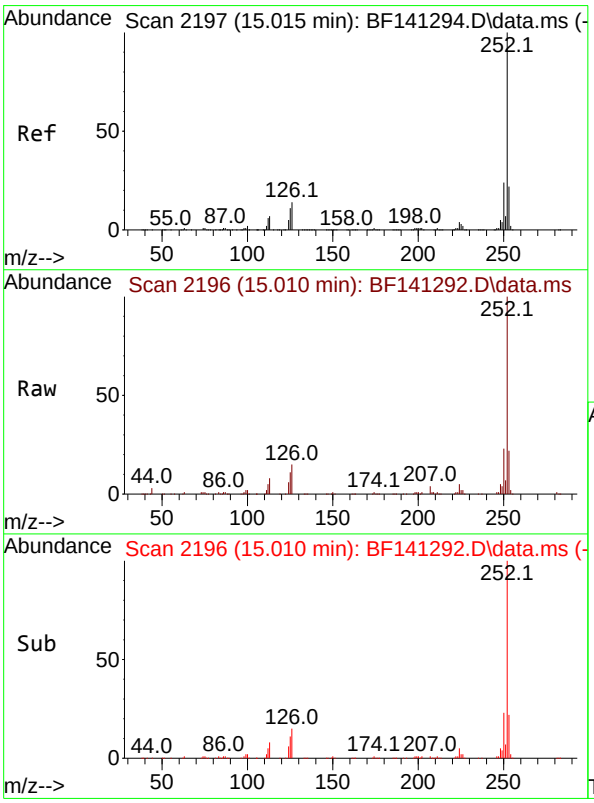
Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.7	32.5
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

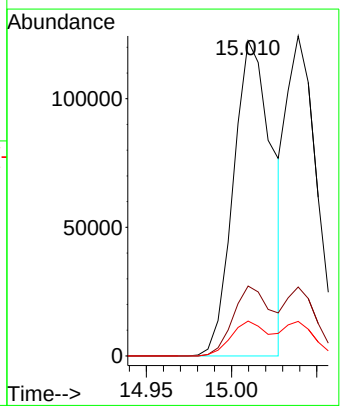
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

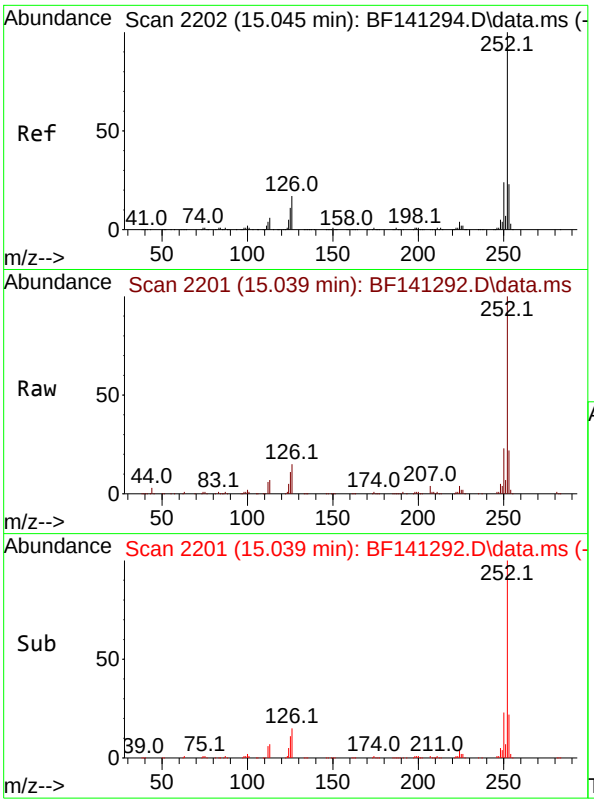


#88
Benzo(b)fluoranthene
Concen: 11.130 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 193558

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	11.1	8.6	12.8

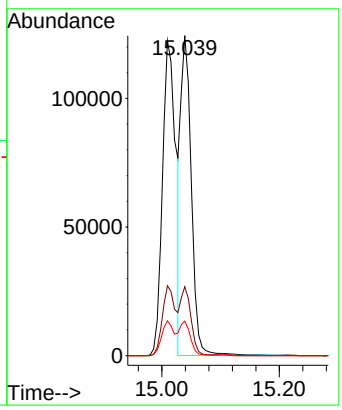




#89
Benzo(k)fluoranthene
Concen: 10.012 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 15592

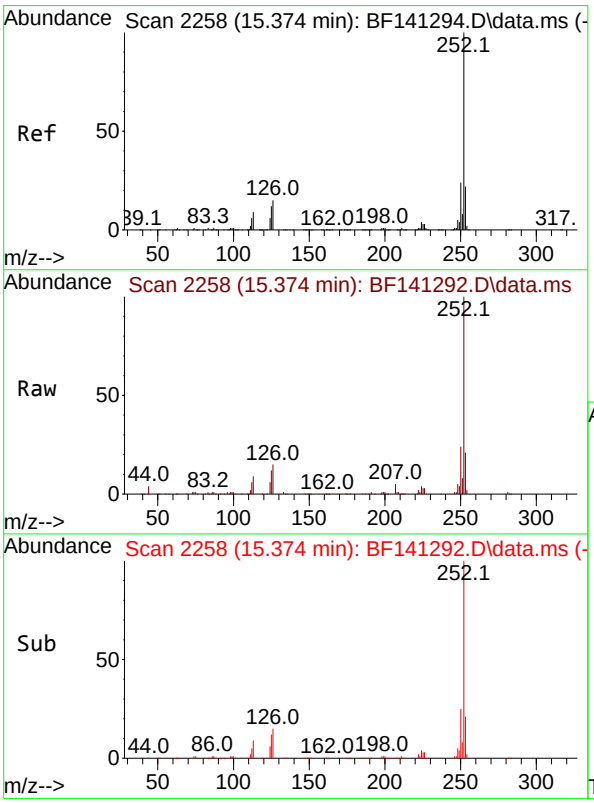
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	10.8	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

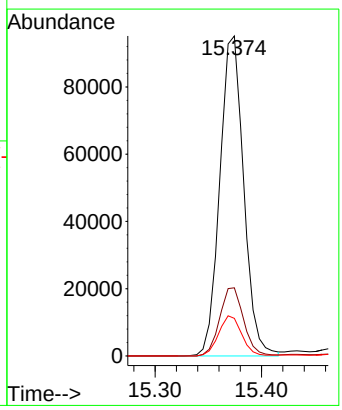
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

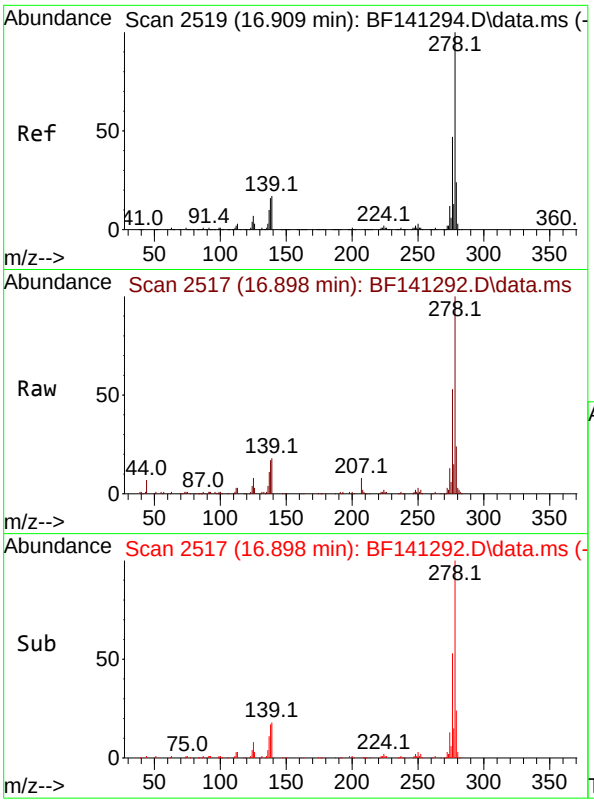


#90
Benzo(a)pyrene
Concen: 9.972 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 148214

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	11.7	9.4	14.2

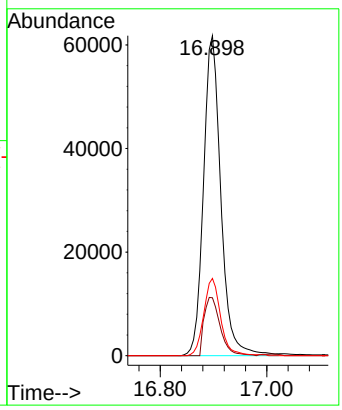




#91
Dibenzo(a,h)anthracene
Concen: 9.559 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:278 Resp: 14014

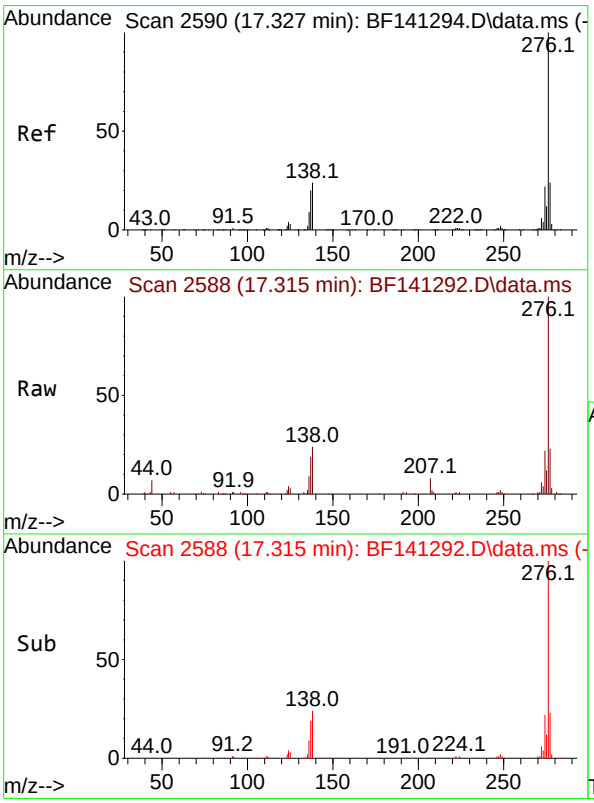
Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.9	20.9
279	24.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

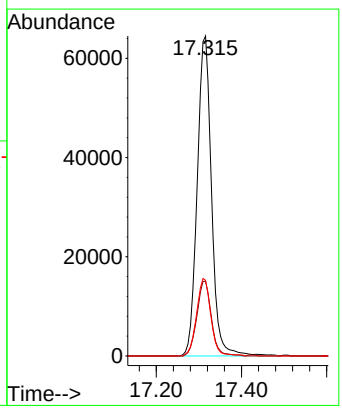
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 9.756 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 150453

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	23.6	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136491	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	532862	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	293084	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	511320	20.000	ng	0.00
76) Chrysene-d12	13.974	240	314234	20.000	ng	0.00
86) Perylene-d12	15.457	264	289582	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	382610	43.351	ng	0.00
7) Phenol-d6	6.422	99	475876	42.305	ng	0.00
23) Nitrobenzene-d5	7.357	82	432160	42.912	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	116167	43.498	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	819371	43.127	ng	0.00
79) Terphenyl-d14	12.916	244	860956	42.159	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	81467	20.794	ng	98
3) Pyridine	3.210	79	197852	21.116	ng	99
4) n-Nitrosodimethylamine	3.152	42	112451	20.957	ng	98
6) Aniline	6.457	93	210459	22.385	ng	99
8) 2-Chlorophenol	6.581	128	203008	21.418	ng	96
9) Benzaldehyde	6.345	77	150675	23.065	ng	100
10) Phenol	6.434	94	257179	21.611	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	194572	21.260	ng	98
12) 1,3-Dichlorobenzene	6.739	146	224880	21.512	ng	99
13) 1,4-Dichlorobenzene	6.816	146	226376	21.503	ng	99
14) 1,2-Dichlorobenzene	6.969	146	213616	21.714	ng	99
15) Benzyl Alcohol	6.934	79	166008	21.602	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	340590	21.420	ng	100
17) 2-Methylphenol	7.045	107	165188	21.525	ng	99
18) Hexachloroethane	7.310	117	83193	21.359	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	140874	21.058	ng	99
20) 3+4-Methylphenols	7.198	107	205070	21.734	ng	96
22) Acetophenone	7.204	105	275680	21.825	ng	100
24) Nitrobenzene	7.381	77	224061	21.451	ng	98
25) Isophorone	7.616	82	369998	21.259	ng	99
26) 2-Nitrophenol	7.698	139	106287	21.725	ng	98
27) 2,4-Dimethylphenol	7.734	122	132748m	21.233	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	237369	21.403	ng	98
29) 2,4-Dichlorophenol	7.934	162	166153	21.750	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	188468	21.511	ng	99
31) Naphthalene	8.104	128	607622	21.681	ng	100
32) Benzoic acid	7.816	122	126734	22.321	ng	99
33) 4-Chloroaniline	8.151	127	208531	22.151	ng	99
34) Hexachlorobutadiene	8.222	225	111274	21.699	ng	97
35) Caprolactam	8.498	113	54280	21.968	ng	99
36) 4-Chloro-3-methylphenol	8.628	107	177981	21.708	ng	99
37) 2-Methylnaphthalene	8.792	142	386035	21.630	ng	100
38) 1-Methylnaphthalene	8.892	142	378878	21.671	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	176736	21.209	ng	99
41) Hexachlorocyclopentadiene	8.945	237	51112	20.438	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	114390	21.029	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	125725	21.245	ng		98
46) 1,1'-Biphenyl	9.257	154	483479	21.145	ng		100
47) 2-Chloronaphthalene	9.281	162	377946	21.282	ng		99
48) 2-Nitroaniline	9.375	65	119359	21.310	ng		98
49) Acenaphthylene	9.698	152	531957	21.328	ng		99
50) Dimethylphthalate	9.557	163	423377	21.542	ng		100
51) 2,6-Dinitrotoluene	9.622	165	97622	21.345	ng		96
52) Acenaphthene	9.869	154	378511	21.328	ng		99
53) 3-Nitroaniline	9.786	138	100085	22.123	ng		98
54) 2,4-Dinitrophenol	9.892	184	40003	18.557	ng	#	86
55) Dibenzofuran	10.039	168	514223	21.665	ng		100
56) 4-Nitrophenol	9.945	139	73425	22.607	ng		97
57) 2,4-Dinitrotoluene	10.022	165	129942	22.027	ng		98
58) Fluorene	10.386	166	396520	21.488	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	99841	21.354	ng		99
60) Diethylphthalate	10.257	149	413889	21.745	ng		99
61) 4-Chlorophenyl-phenyle...	10.380	204	193134	21.446	ng		99
62) 4-Nitroaniline	10.398	138	96692	22.250	ng		98
63) Azobenzene	10.539	77	407492	21.358	ng		99
65) 4,6-Dinitro-2-methylph...	10.427	198	62572	20.492	ng		97
66) n-Nitrosodiphenylamine	10.498	169	344387	20.773	ng		100
67) 4-Bromophenyl-phenylether	10.869	248	119844	20.967	ng		98
68) Hexachlorobenzene	10.933	284	126823	20.917	ng		99
69) Atrazine	11.022	200	109133	19.627	ng		99
70) Pentachlorophenol	11.127	266	74508	20.958	ng		98
71) Phenanthrene	11.351	178	584027	21.262	ng		100
72) Anthracene	11.398	178	572743	21.377	ng		100
73) Carbazole	11.557	167	522100	22.000	ng		99
74) Di-n-butylphthalate	11.892	149	636521	22.251	ng		100
75) Fluoranthene	12.539	202	611492	22.808	ng		100
77) Benzidine	12.663	184	65963	6.904	ng		99
78) Pyrene	12.769	202	629228	20.739	ng		99
80) Butylbenzylphthalate	13.392	149	232095	22.149	ng		99
81) Benzo(a)anthracene	13.968	228	456535	21.197	ng		99
82) 3,3'-Dichlorobenzidine	13.927	252	134298	19.914	ng		99
83) Chrysene	14.004	228	421849	21.122	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	300546	22.857	ng		99
85) Di-n-octyl phthalate	14.604	149	451748	21.964	ng		100
87) Indeno(1,2,3-cd)pyrene	16.909	276	387089	20.466	ng		99
88) Benzo(b)fluoranthene	15.033	252	384557	21.383	ng		99
89) Benzo(k)fluoranthene	15.062	252	368801	22.900	ng		99
90) Benzo(a)pyrene	15.392	252	327630	21.317	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	318776	21.026	ng		100
92) Benzo(g,h,i)perylene	17.345	276	329876	20.684	ng		100

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

ICAL Form

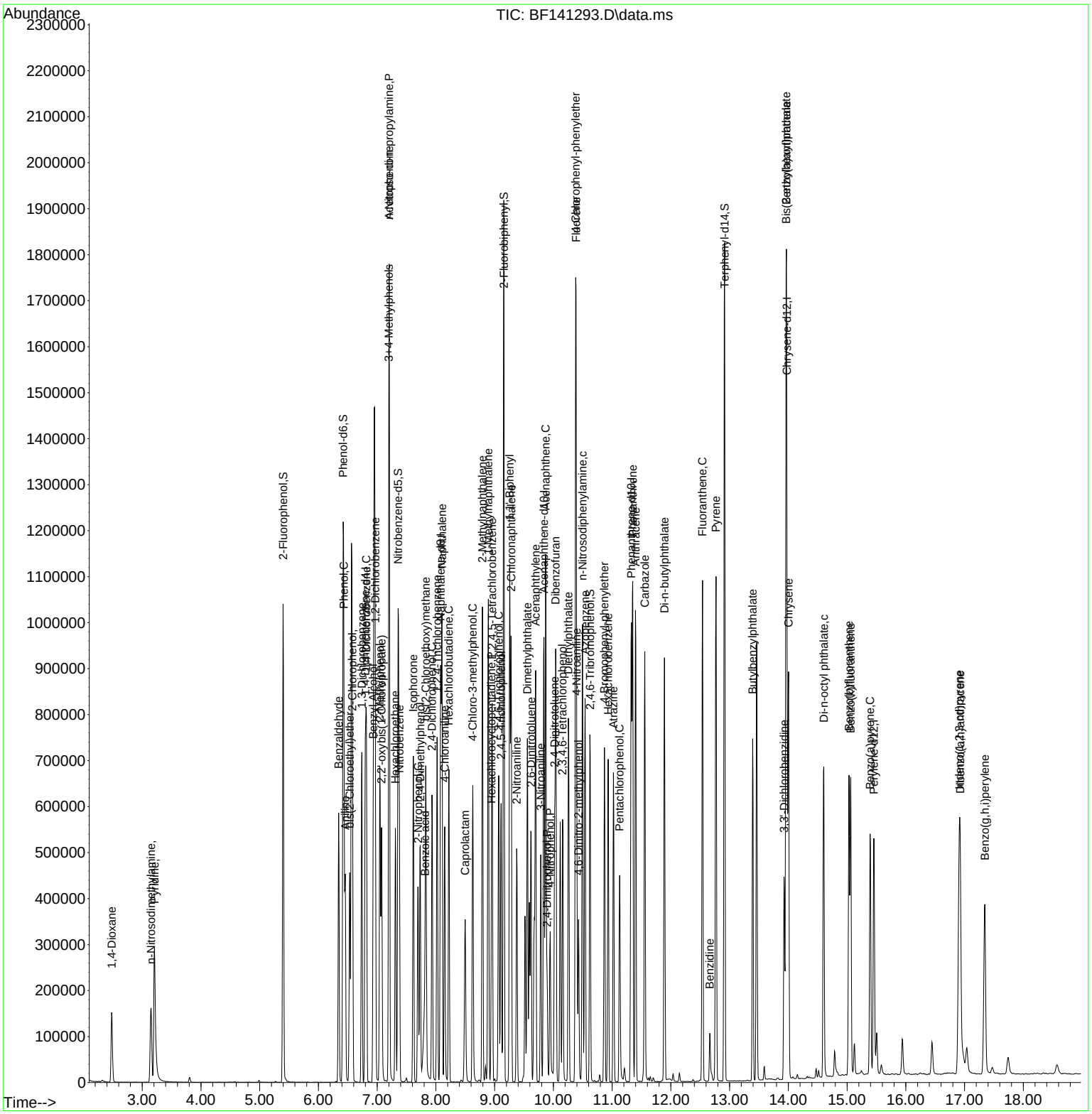
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

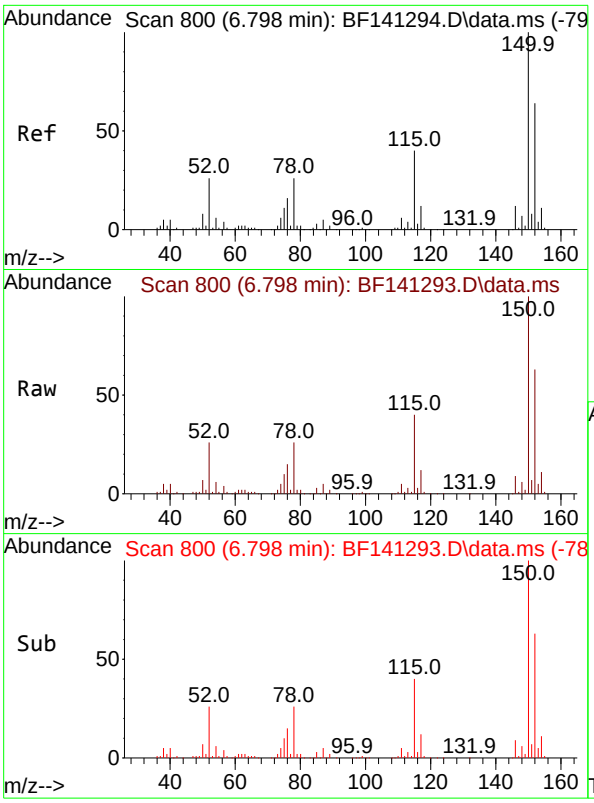
Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

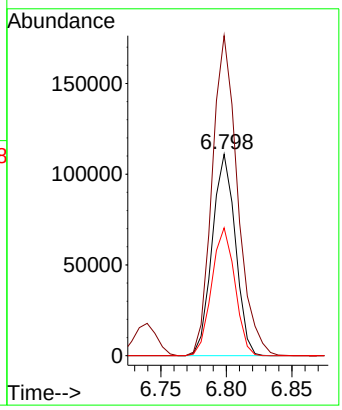




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 13649

Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.9	188.9
115	63.5	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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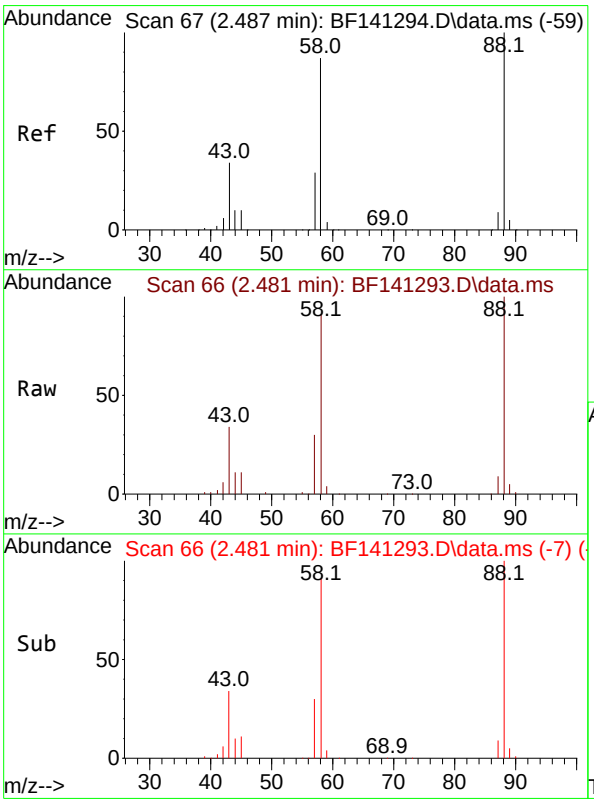
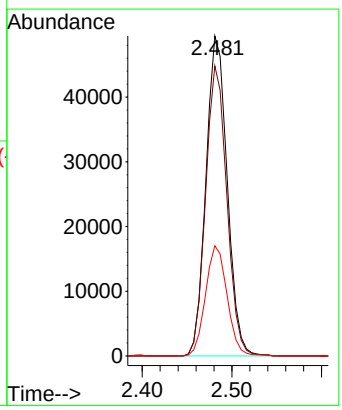
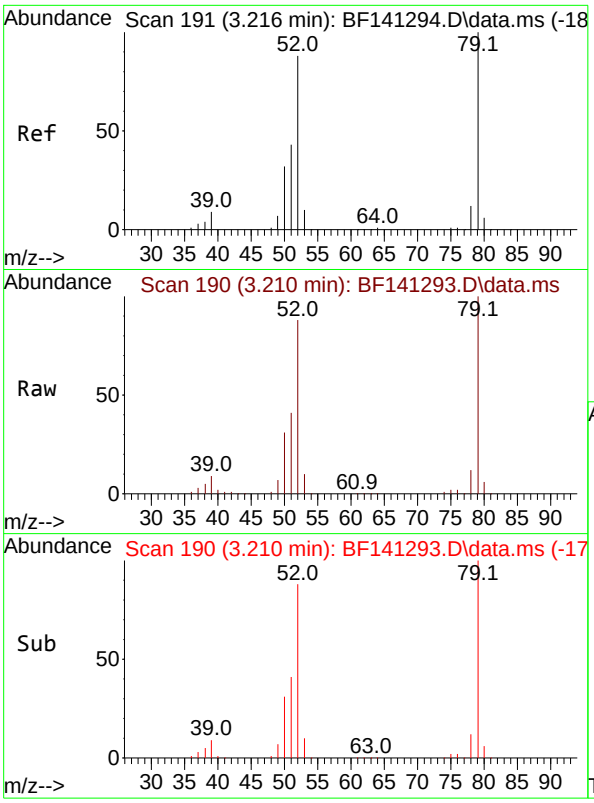


#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 88 Resp: 81467

Ion	Ratio	Lower	Upper
88	100		
58	90.4	70.2	105.4
43	35.0	27.6	41.4

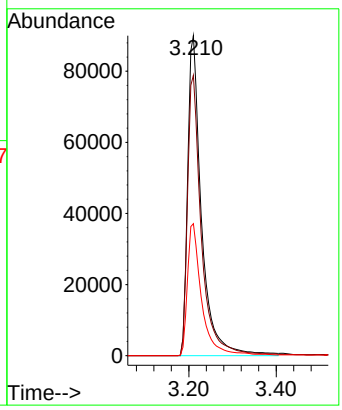




#3
Pyridine
Concen: 21.116 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 19785

Ion	Ratio	Lower	Upper
79	100		
52	87.6	70.3	105.5
51	41.2	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
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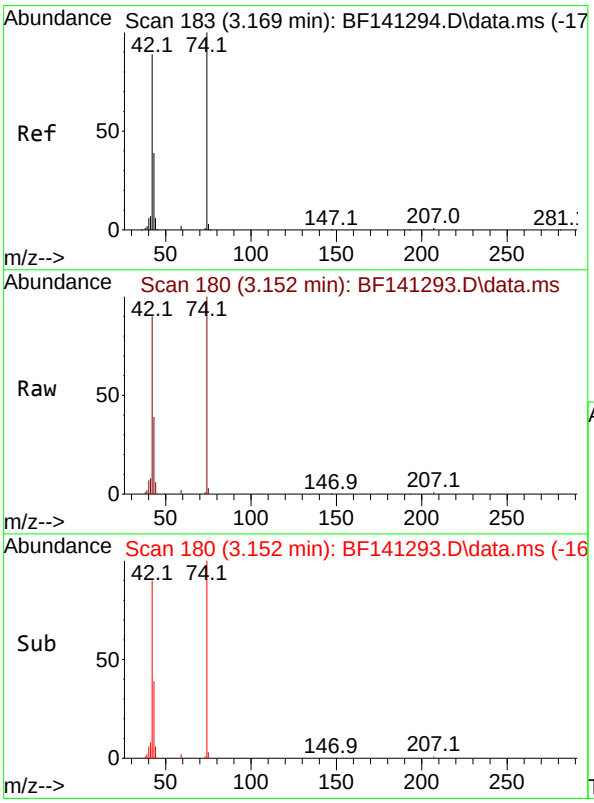
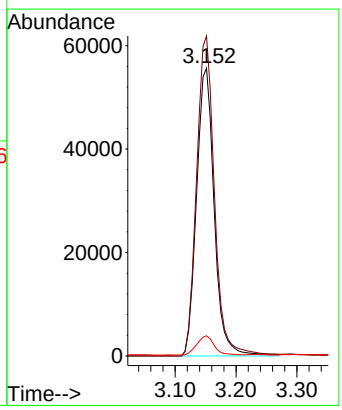
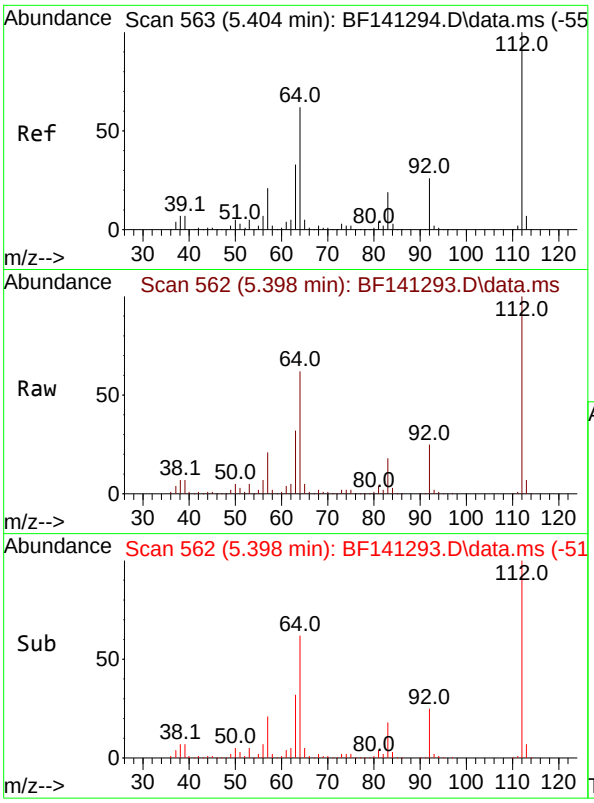


#4
n-Nitrosodimethylamine
Concen: 20.957 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 42 Resp: 112451

Ion	Ratio	Lower	Upper
42	100		
74	111.2	90.3	135.5
44	7.0	5.7	8.5

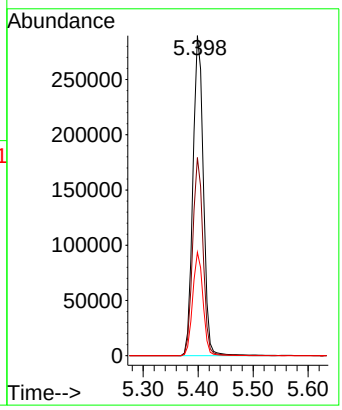




#5
2-Fluorophenol
Concen: 43.351 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:112 Resp: 38261

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.8	74.8
63	32.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 01/30/2025
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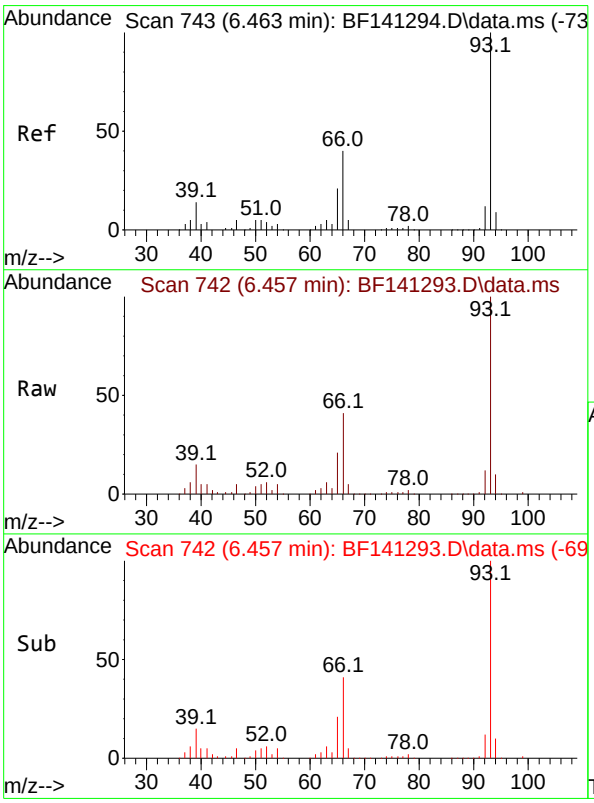
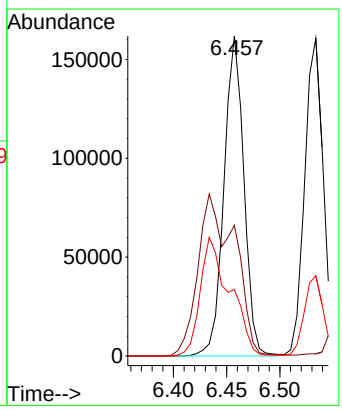
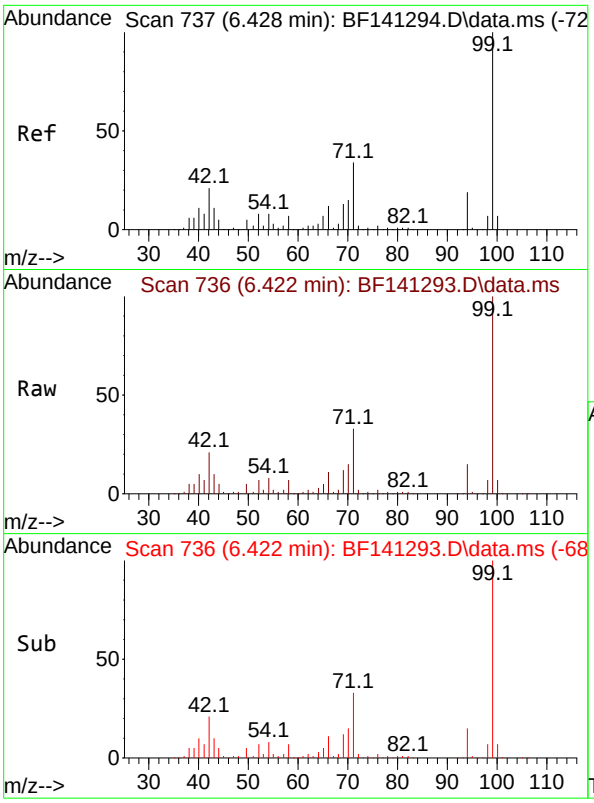


#6
Aniline
Concen: 22.385 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 210459

Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.5	48.7
65	20.7	17.0	25.6

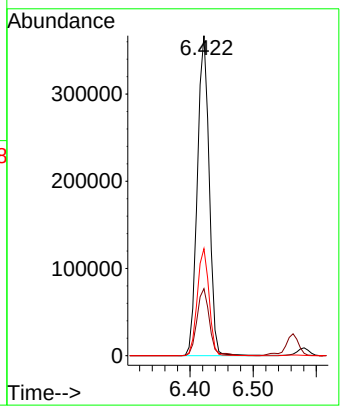




#7
Phenol-d6
Concen: 42.305 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 99 Resp: 47587

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.1	25.7
71	33.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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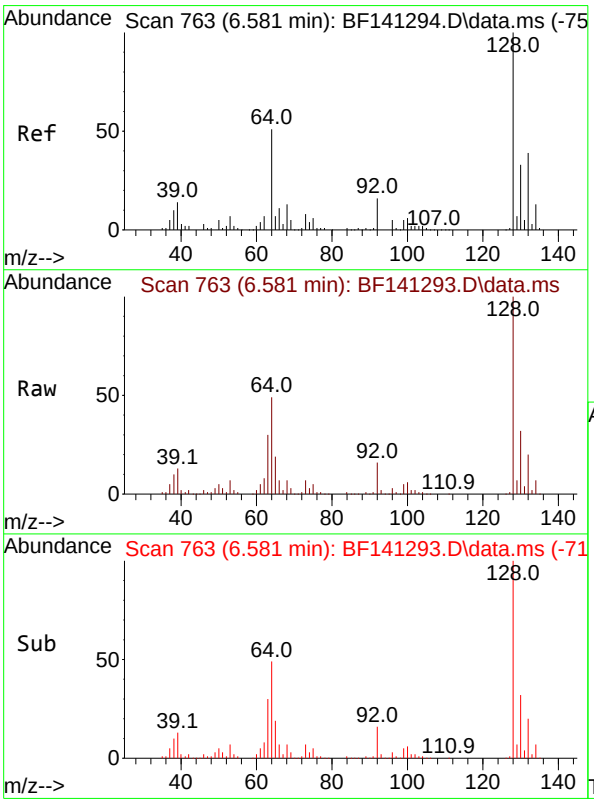
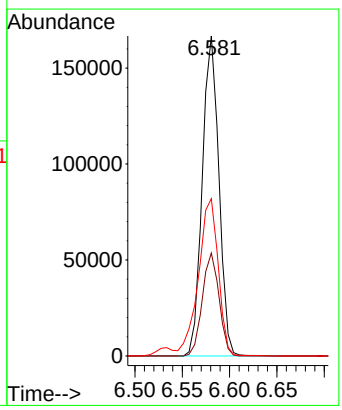
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

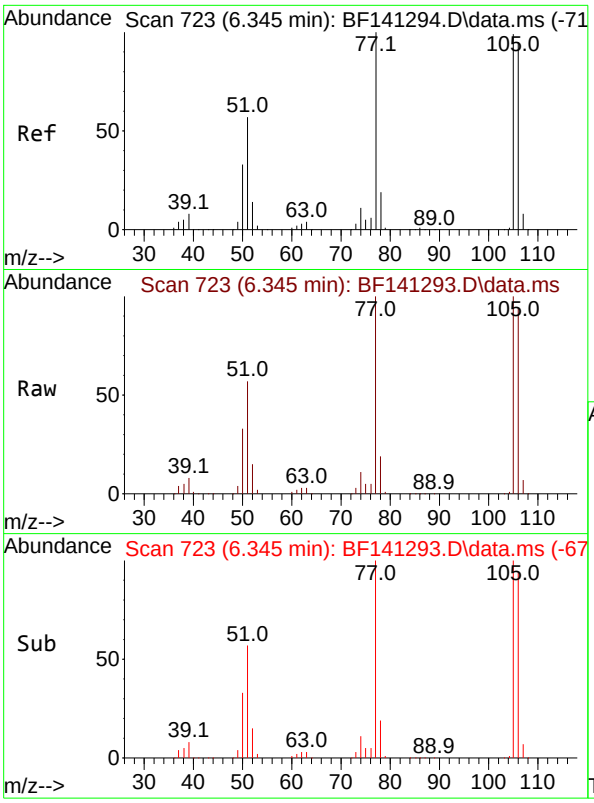


#8
2-Chlorophenol
Concen: 21.418 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:128 Resp: 203008

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.5	52.5
64	49.1	32.9	72.9

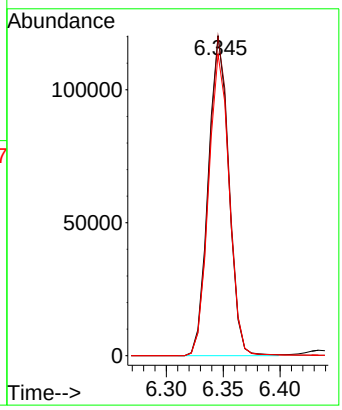




#9
Benzaldehyde
Concen: 23.065 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 15067

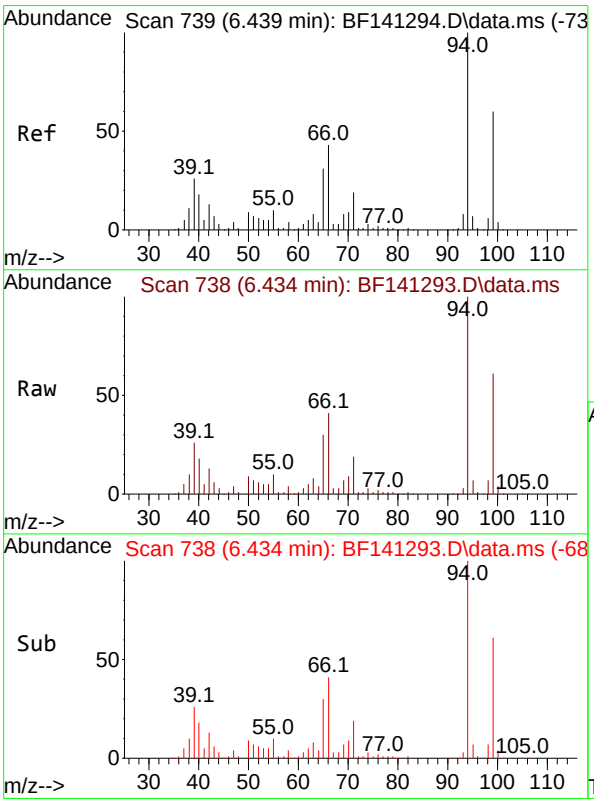
Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.2	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

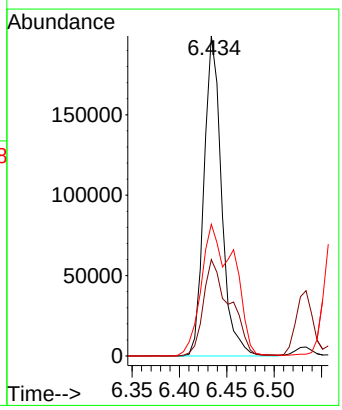
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

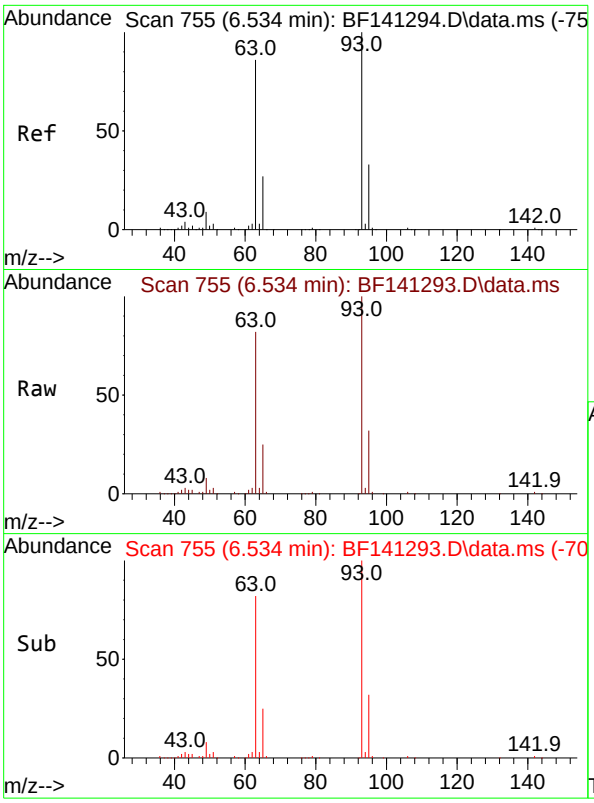


#10
Phenol
Concen: 21.611 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 94 Resp: 257179

Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.8	50.8
66	41.1	23.3	63.3





#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

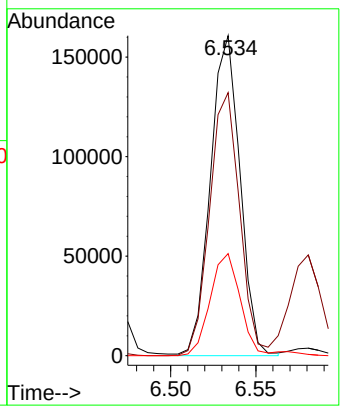
Tgt Ion: 93 Resp: 19457

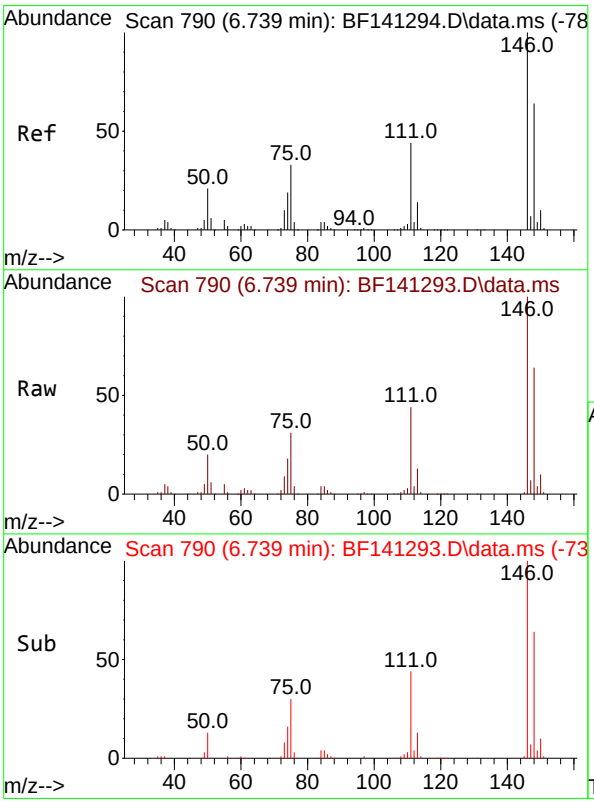
Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	31.9	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

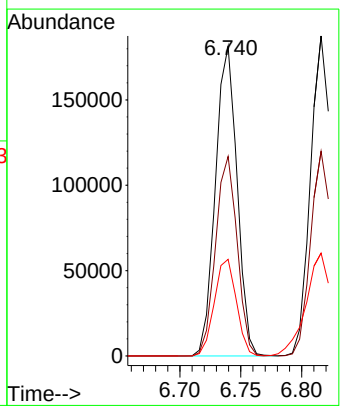


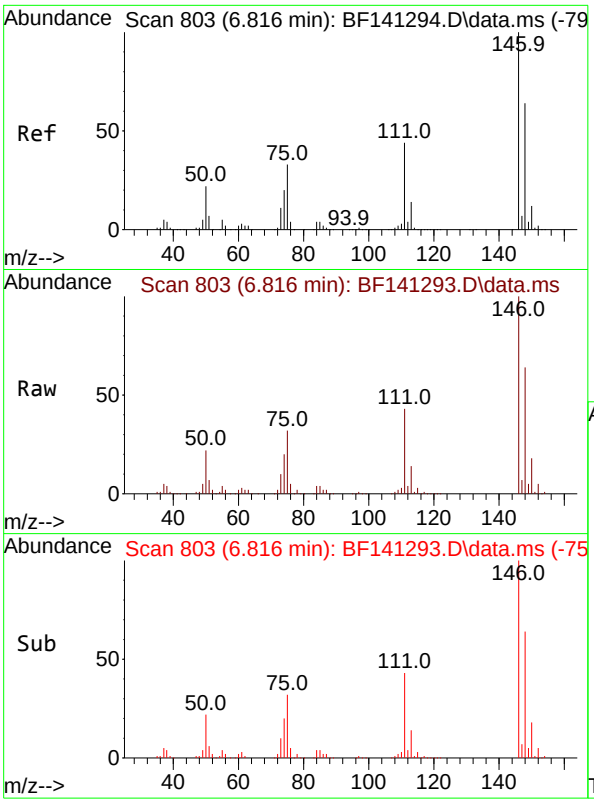


#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 224880

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	31.2	26.2	39.4

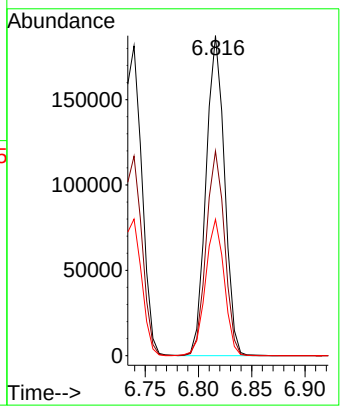




#13
1,4-Dichlorobenzene
Concen: 21.503 ng
RT: 6.816 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 22637(

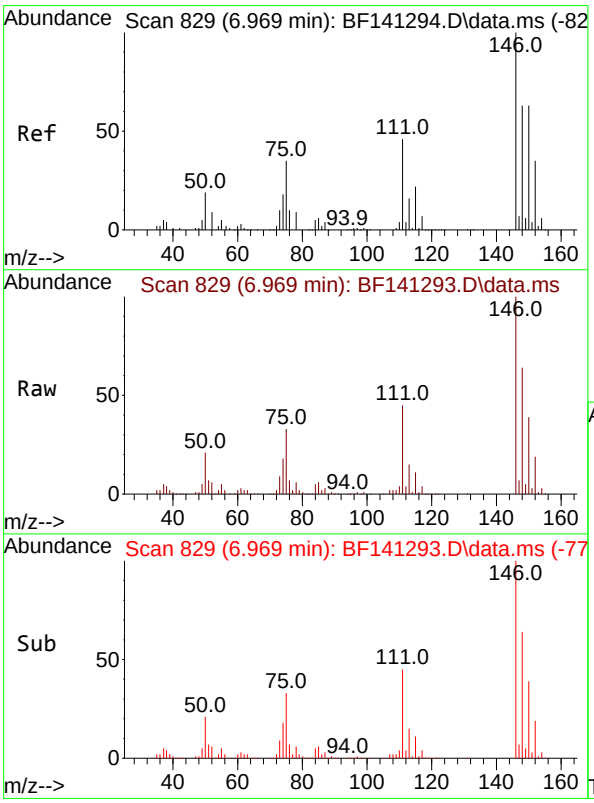
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
111	42.6	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

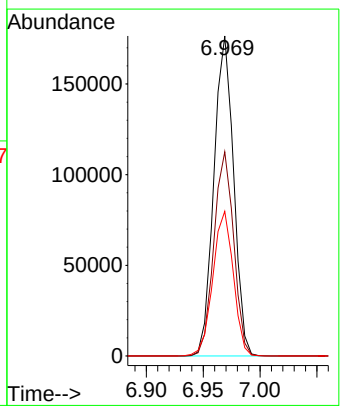
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

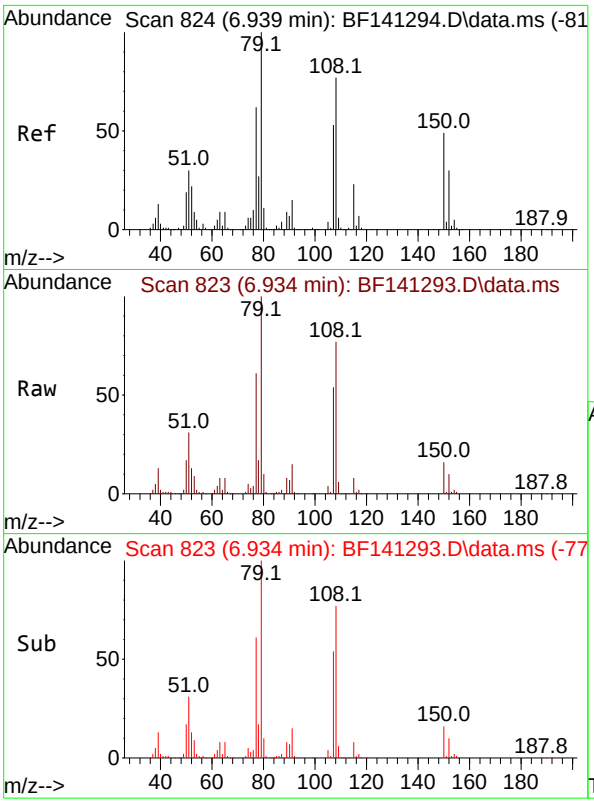


#14
1,2-Dichlorobenzene
Concen: 21.714 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 213616

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	45.2	36.6	55.0





#15
Benzyl Alcohol
Concen: 21.602 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 16600

Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.4	92.0
77	61.4	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
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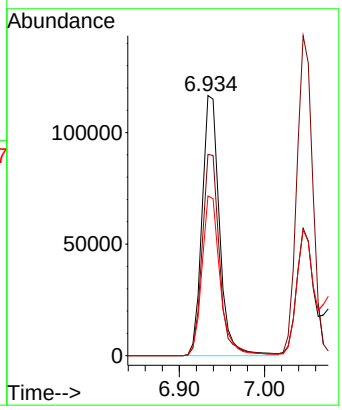
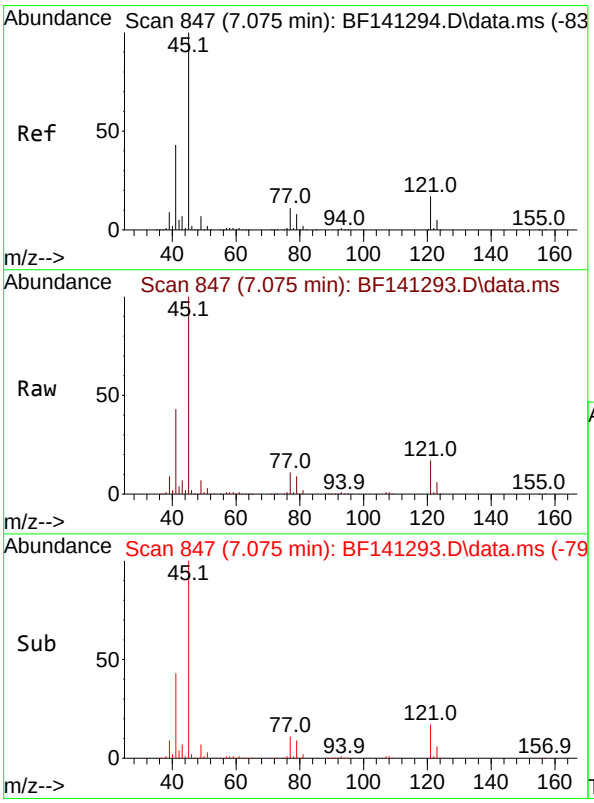
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

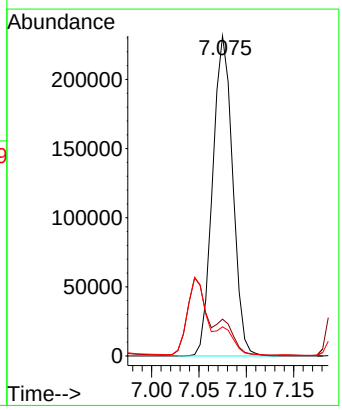


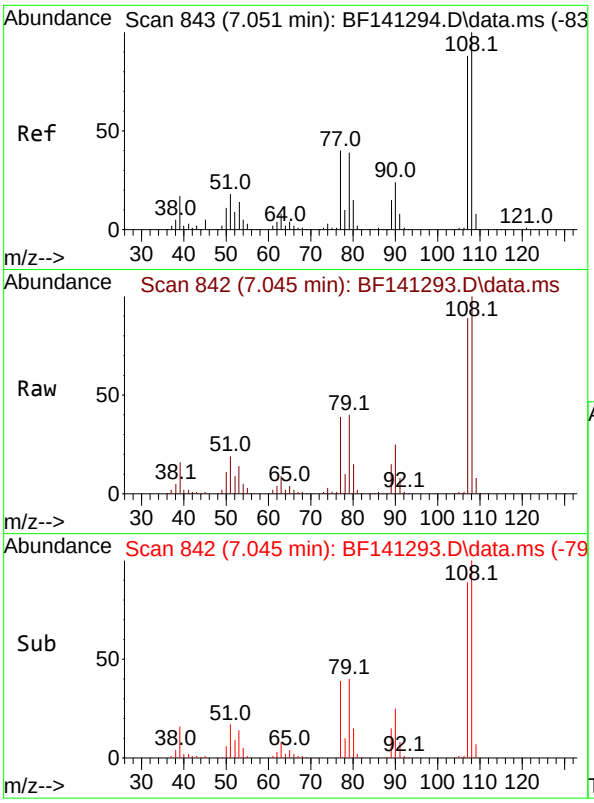


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.420 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 45 Resp: 340590

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.8
79	9.1	0.0	29.1

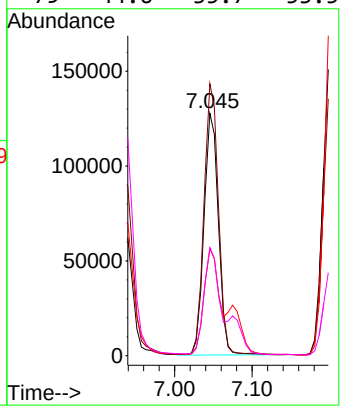




#17
2-Methylphenol
Concen: 21.525 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 16518

Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.8	136.2
77	44.2	36.2	54.4
79	44.6	35.7	53.5



Instrument :
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ClientSampleId :
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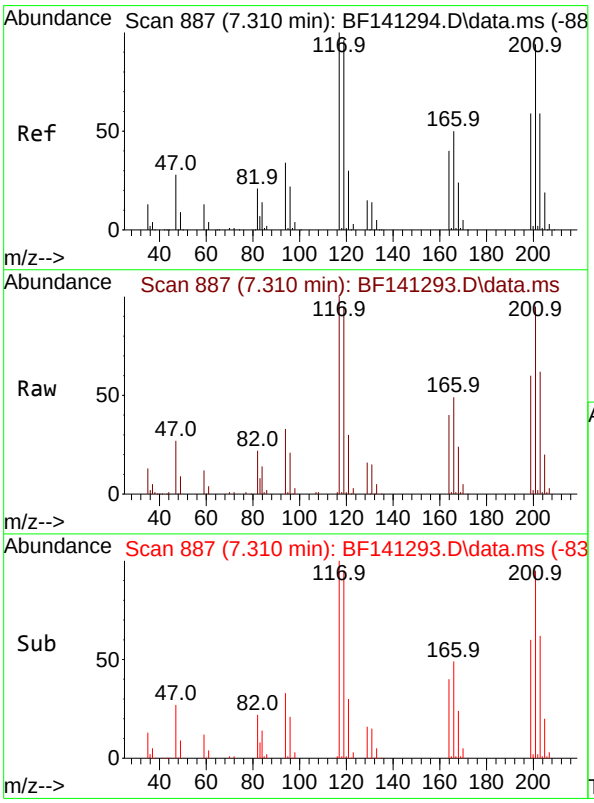
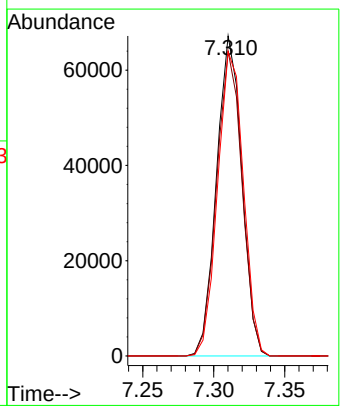
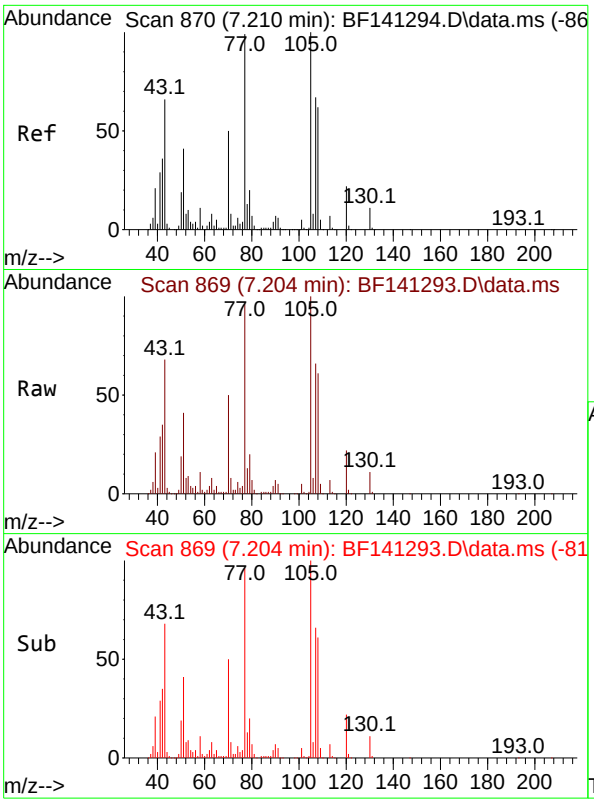


#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:117 Resp: 83193

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.6	114.8
201	95.1	74.8	112.2

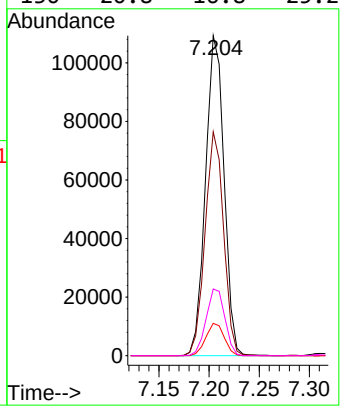




#19
n-Nitroso-di-n-propylamine
Concen: 21.058 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 70 Resp: 14087

Ion	Ratio	Lower	Upper
70	100		
42	69.9	56.8	85.2
101	10.1	7.7	11.5
130	20.8	16.8	25.2



Instrument :
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ClientSampleId :
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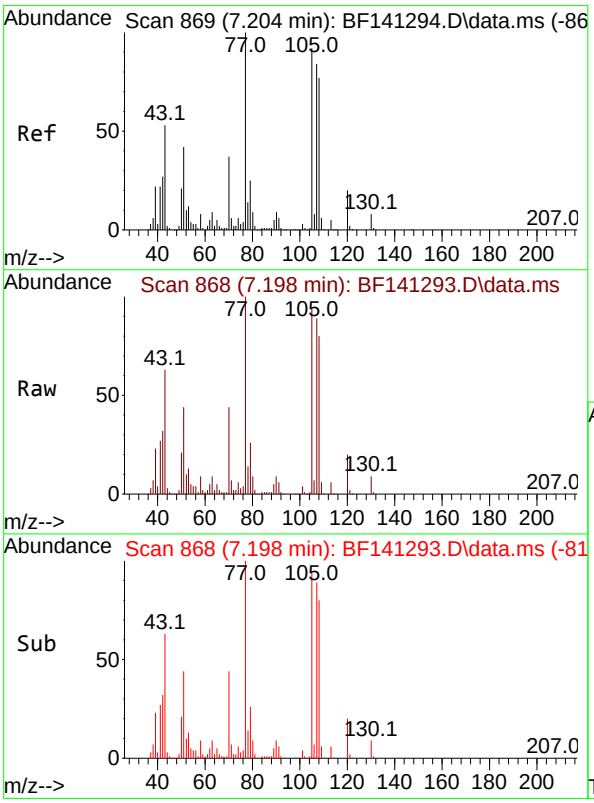
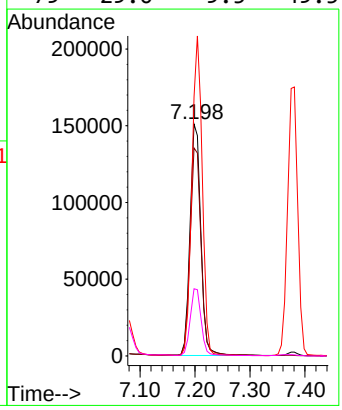
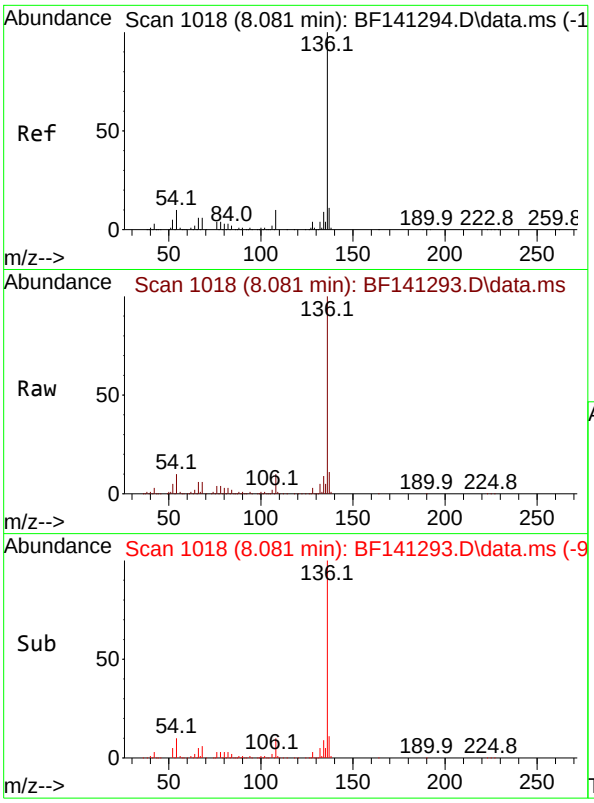


#20
3+4-Methylphenols
Concen: 21.734 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 205070

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.9	110.9
77	111.7	98.5	138.5
79	29.0	9.5	49.5

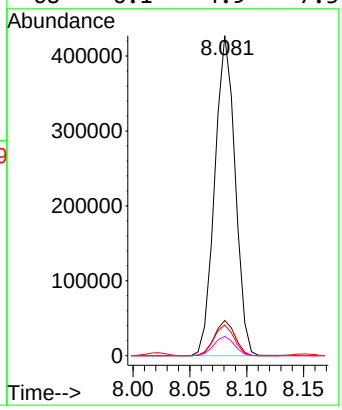




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:136 Resp: 53286

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	7.8	11.8
68	6.1	4.9	7.3



Instrument :
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ClientSampleId :
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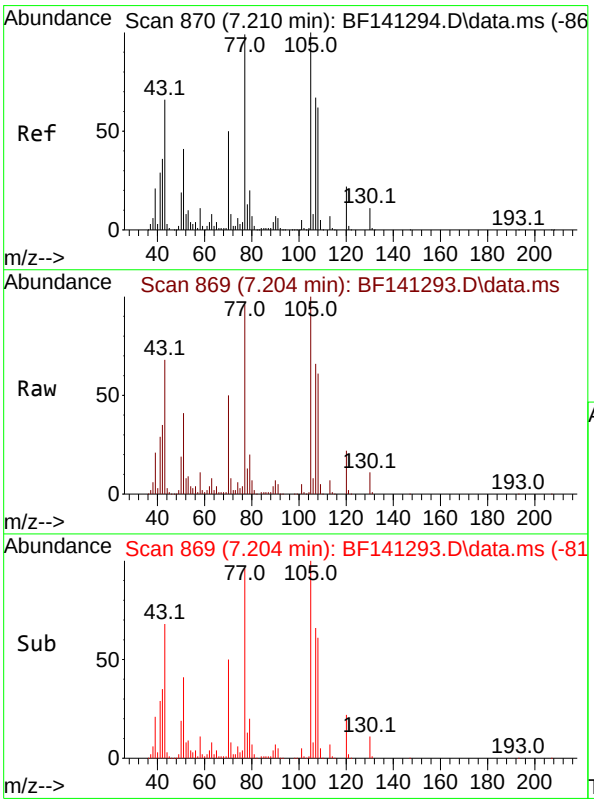
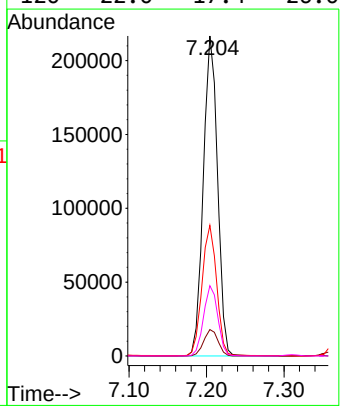
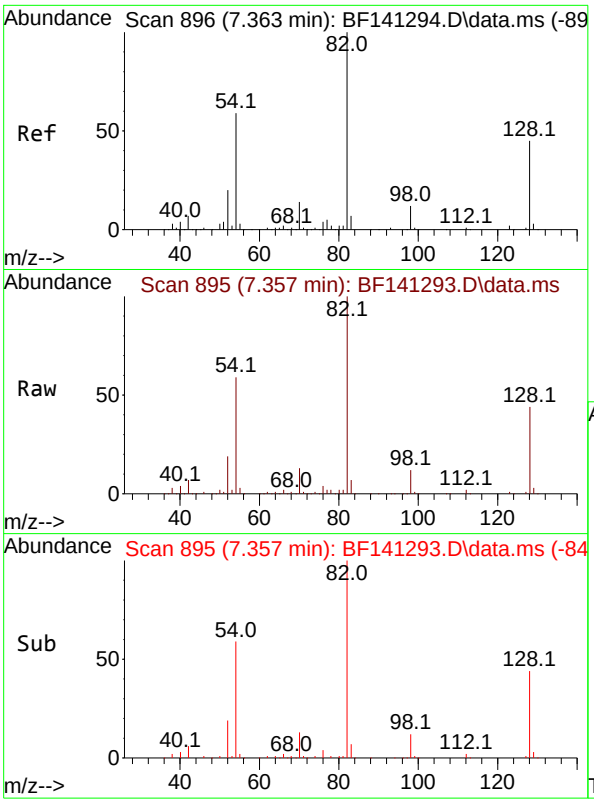


#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:105 Resp: 275680

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.8	10.2
51	40.8	32.6	49.0
120	22.0	17.4	26.0

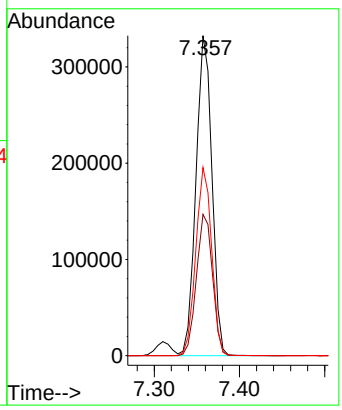




#23
Nitrobenzene-d5
Concen: 42.912 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 82 Resp: 43216

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	58.8	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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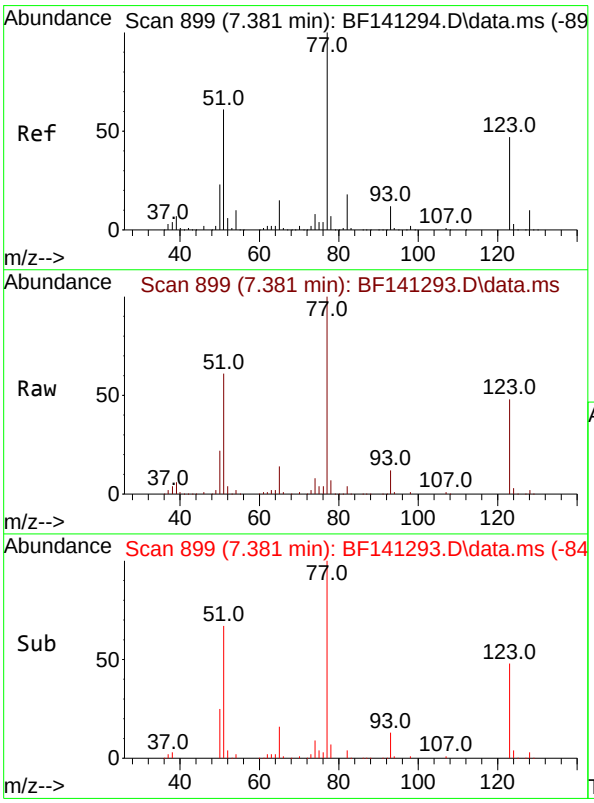
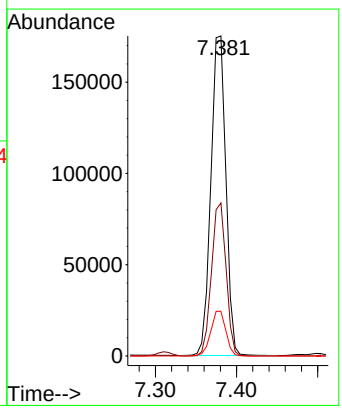
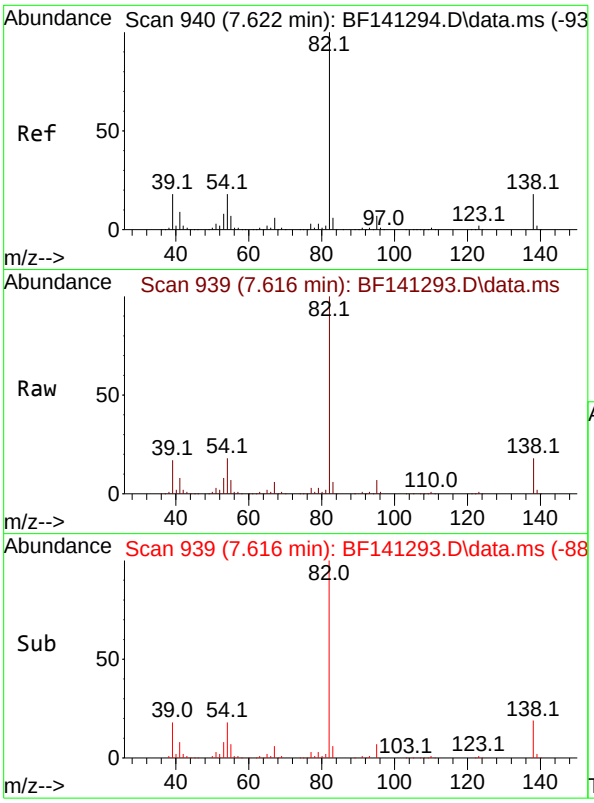


#24
Nitrobenzene
Concen: 21.451 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 224061

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.3	55.9
65	13.9	11.8	17.6

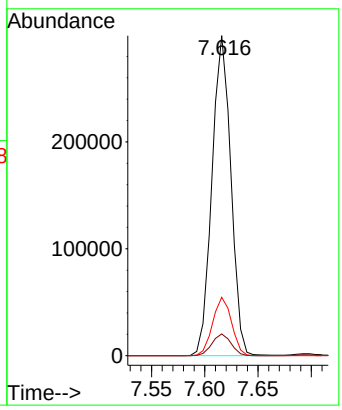




#25
Isophorone
Concen: 21.259 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 82 Resp: 36999

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.8	8.6
138	18.2	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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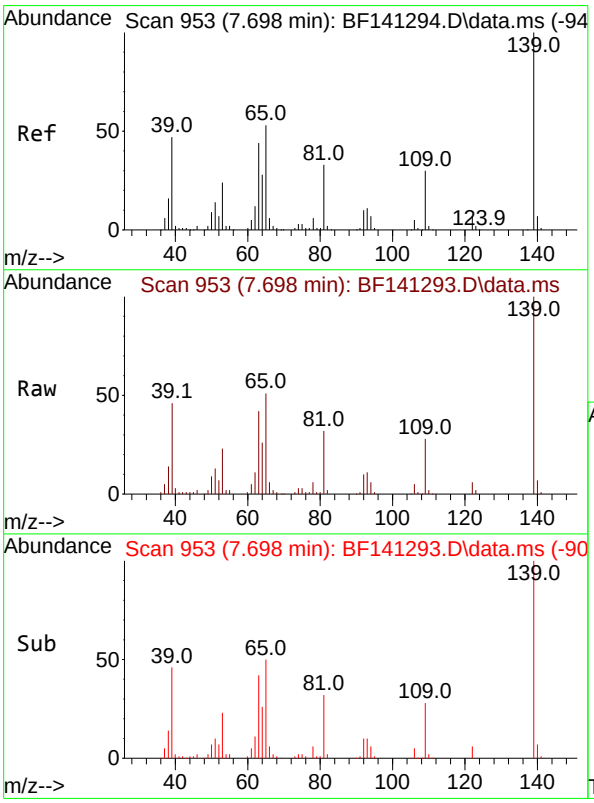
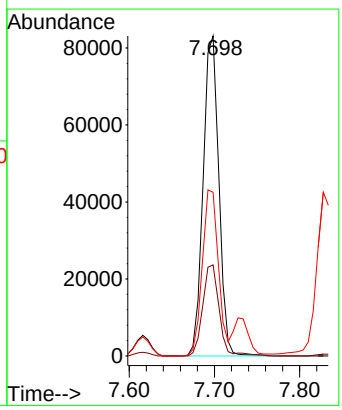
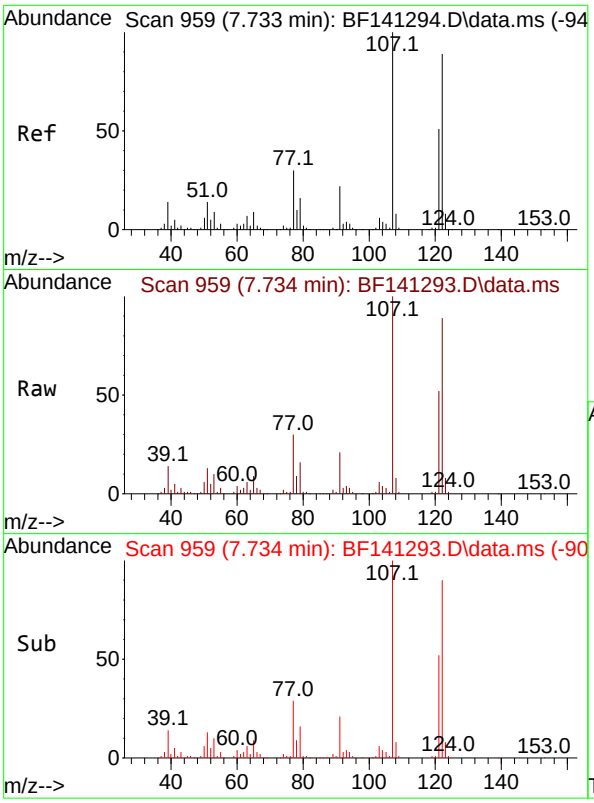


#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 106287

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.8	35.6
65	51.2	42.2	63.4

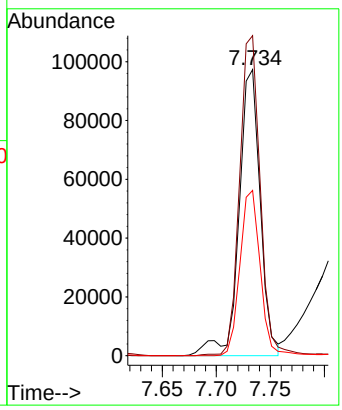




#27
2,4-Dimethylphenol
Concen: 21.233 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 13274

Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.9	134.9
121	57.8	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
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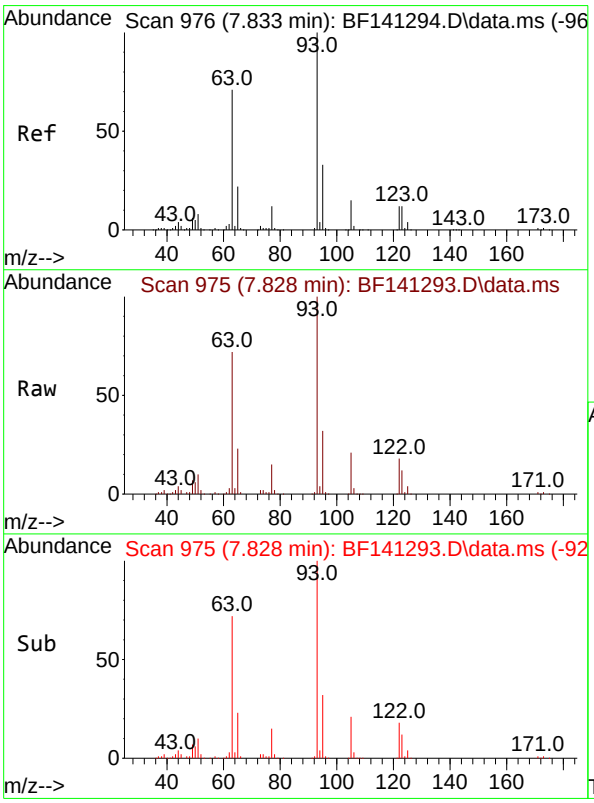
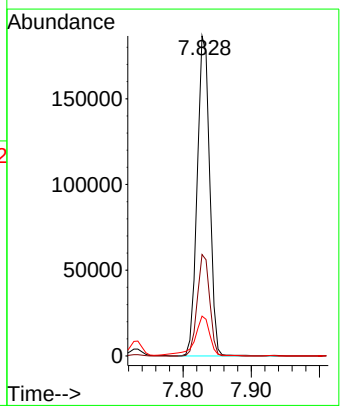
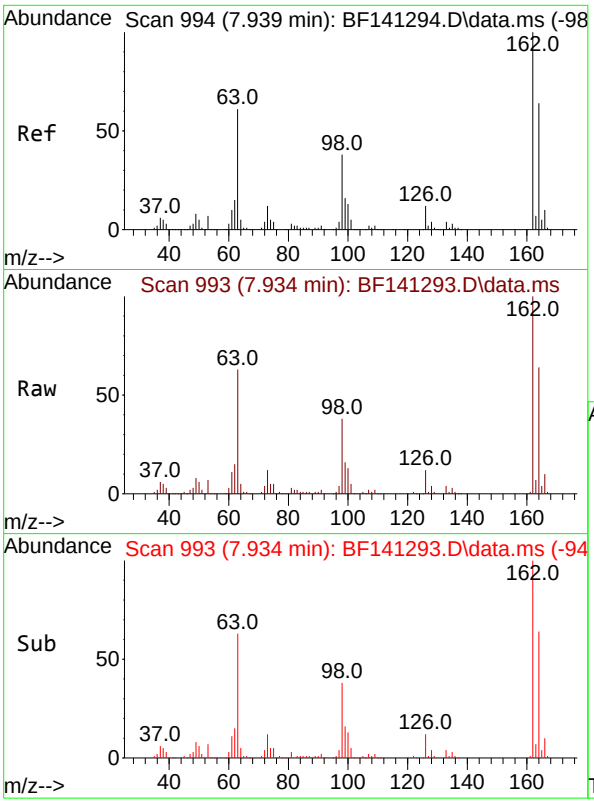


#28
bis(2-Chloroethoxy)methane
Concen: 21.403 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 237369

Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.2	39.2
123	12.5	10.2	15.4

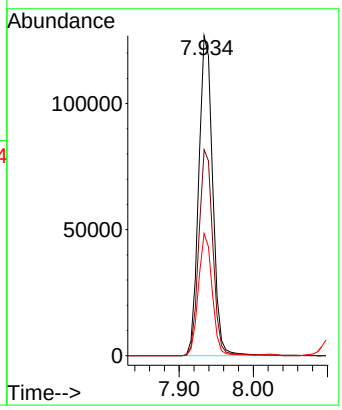




#29
2,4-Dichlorophenol
Concen: 21.750 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:162 Resp: 16615

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.1	18.2	58.2



Instrument :
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ClientSampleId :
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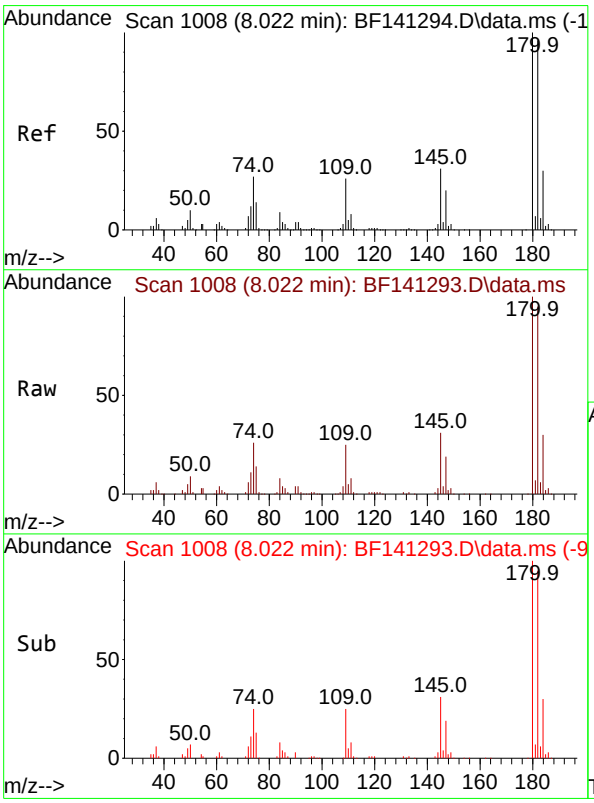
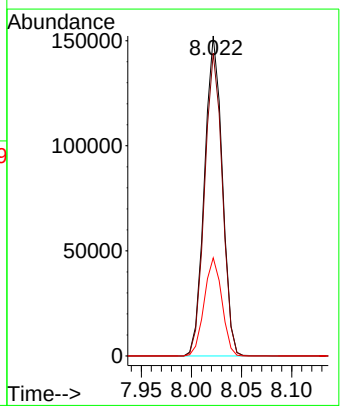
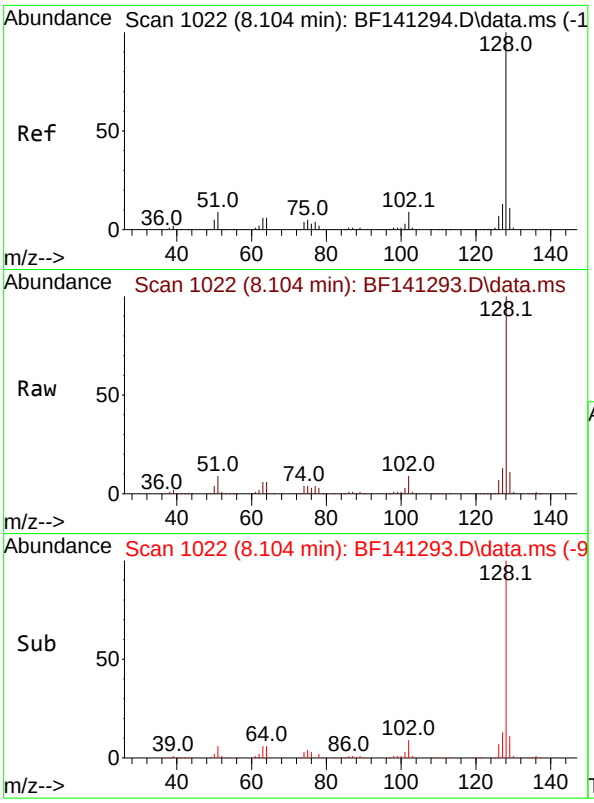


#30
1,2,4-Trichlorobenzene
Concen: 21.511 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:180 Resp: 188468

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
145	30.6	24.9	37.3

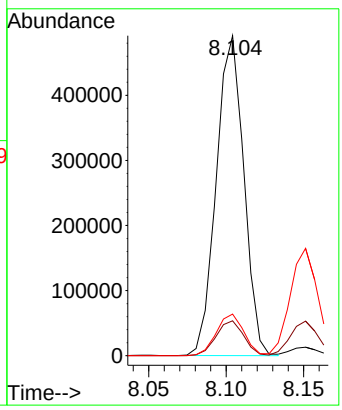




#31
Naphthalene
Concen: 21.681 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:128 Resp: 60762

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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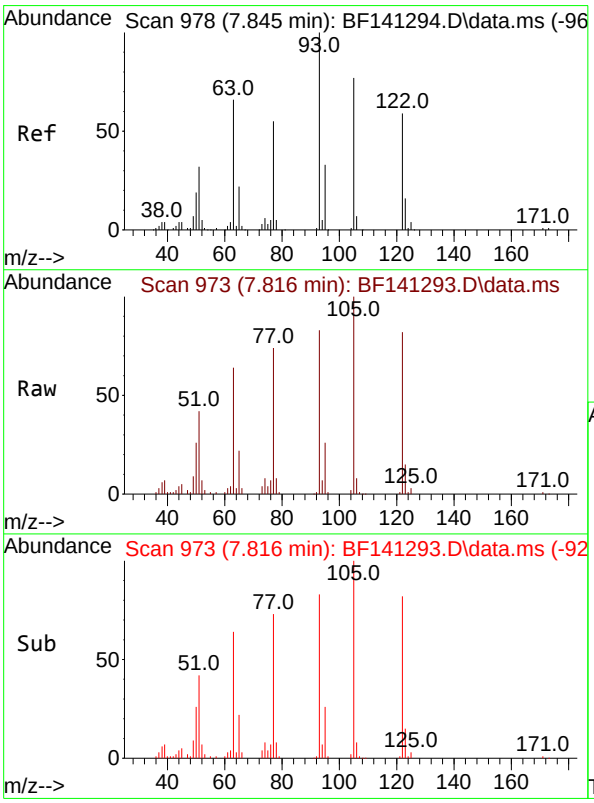
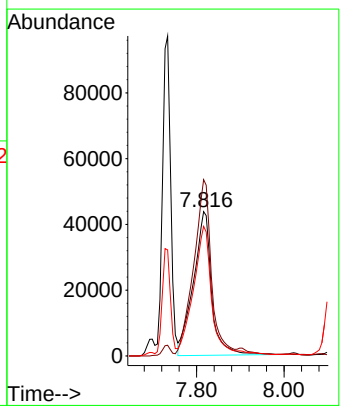
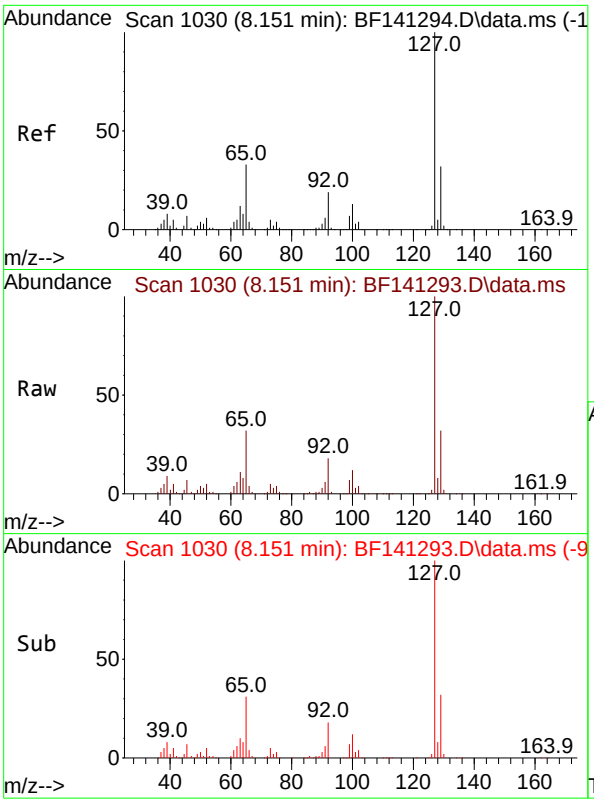


#32
Benzoic acid
Concen: 22.321 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.029 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 126734

Ion	Ratio	Lower	Upper
122	100		
105	122.2	103.4	143.4
77	89.9	70.9	110.9

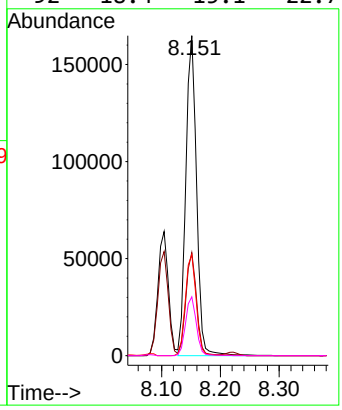




#33
4-Chloroaniline
Concen: 22.151 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:127 Resp: 20853

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	31.6	26.4	39.6
92	18.4	15.1	22.7



Instrument :
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ClientSampleId :
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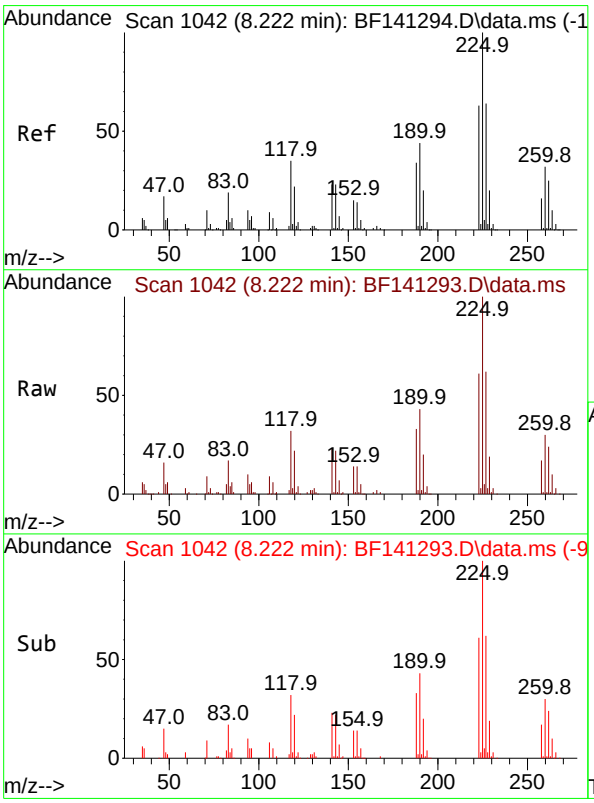
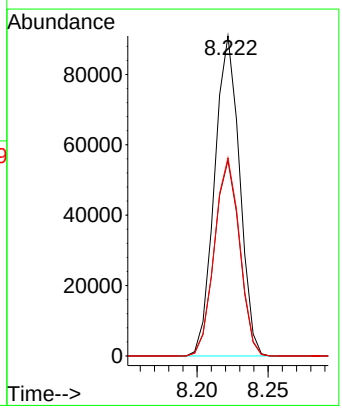
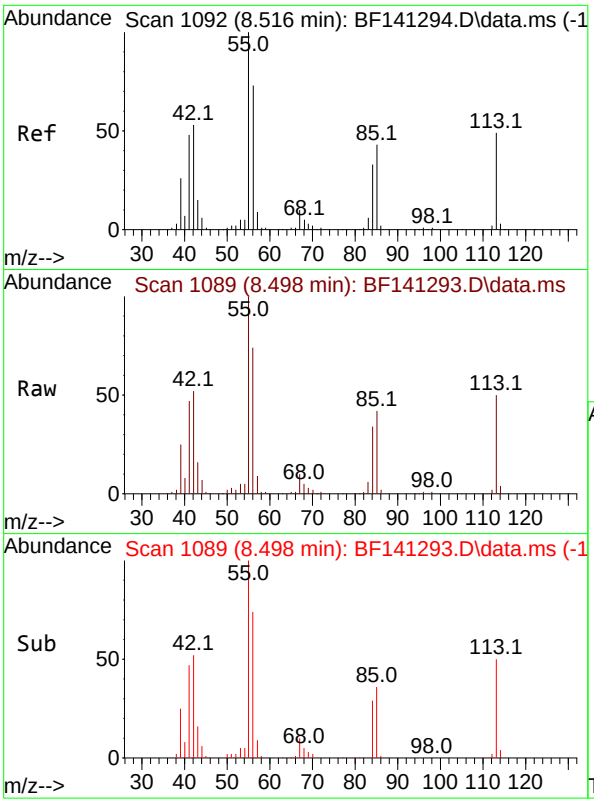


#34
Hexachlorobutadiene
Concen: 21.699 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:225 Resp: 111274

Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.4	75.6
227	61.9	51.3	76.9





#35
Caprolactam
Concen: 21.968 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:113 Resp: 5428

Ion	Ratio	Lower	Upper
113	100		
55	200.9	182.9	222.9
56	149.2	127.9	167.9

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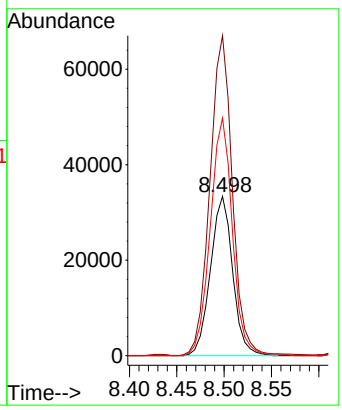
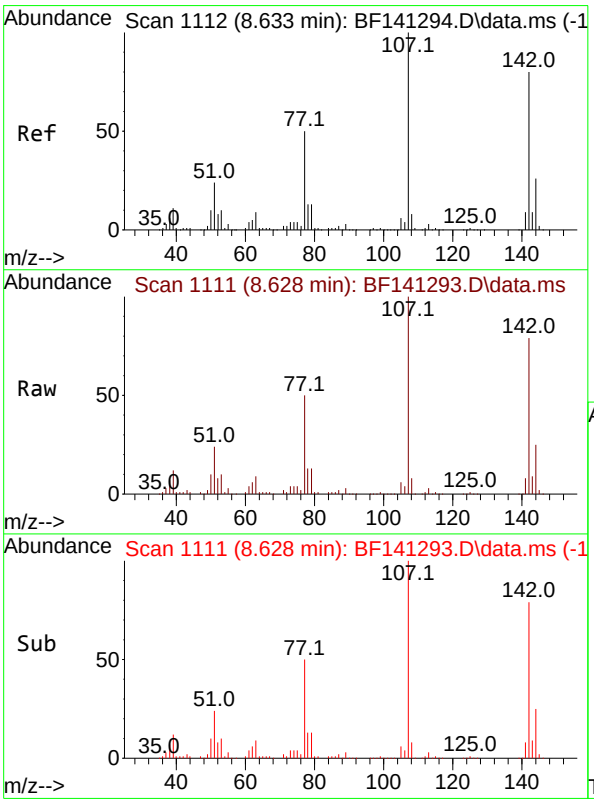
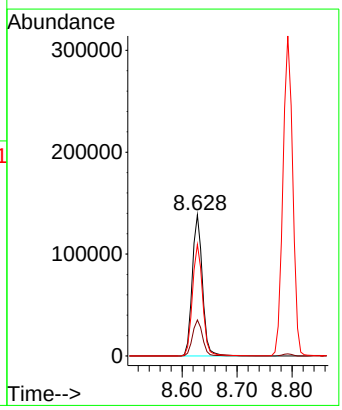


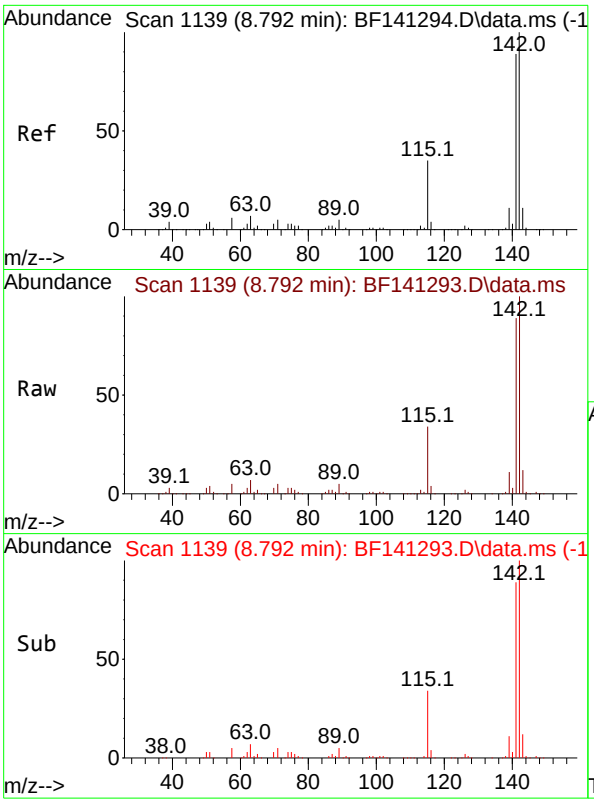


#36
4-Chloro-3-methylphenol
Concen: 21.708 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 177981

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.7	31.1
142	79.0	63.8	95.8





#37
2-Methylnaphthalene
Concen: 21.630 ng
RT: 8.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:142 Resp: 38603

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
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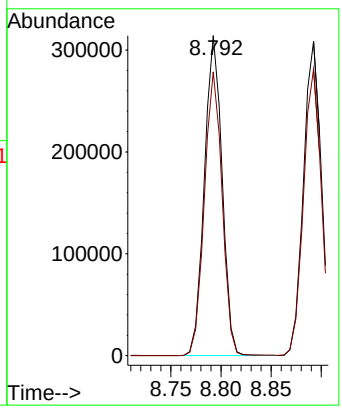
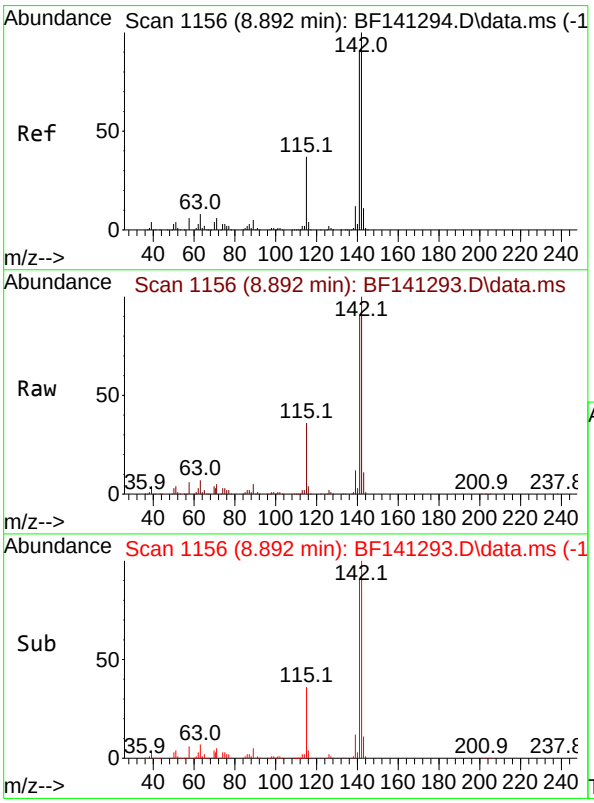
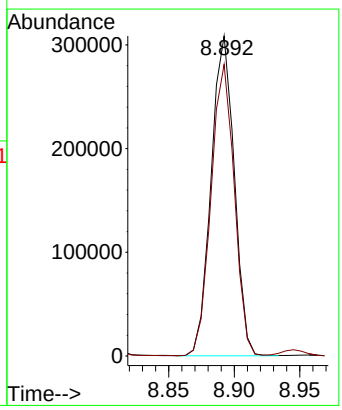


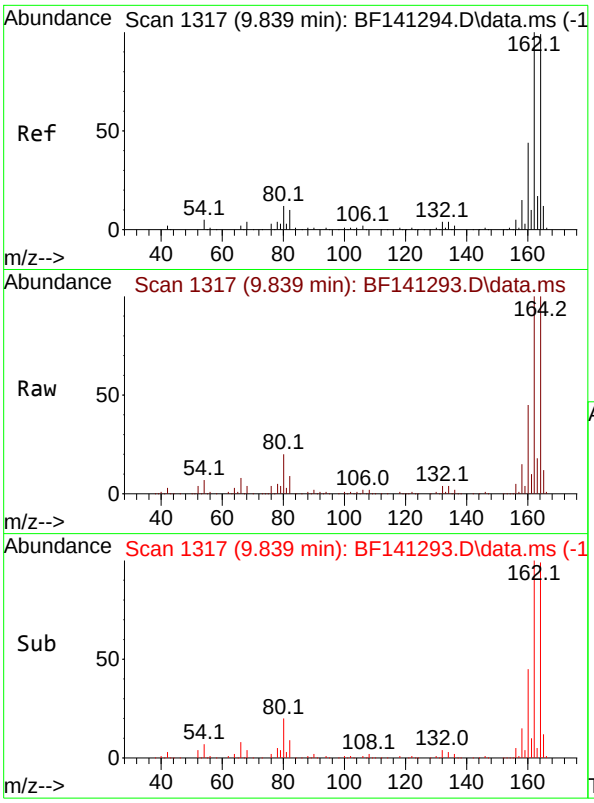


#38
1-Methylnaphthalene
Concen: 21.671 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:142 Resp: 378878

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.2	109.8

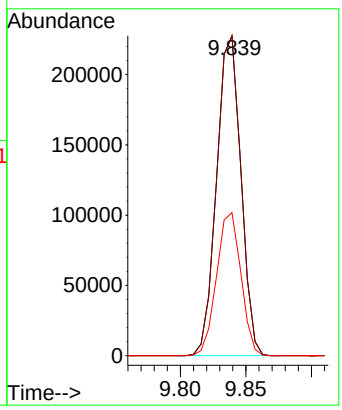




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:164 Resp: 29308

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	121.0
160	44.7	35.8	53.6



Instrument :
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ClientSampleId :
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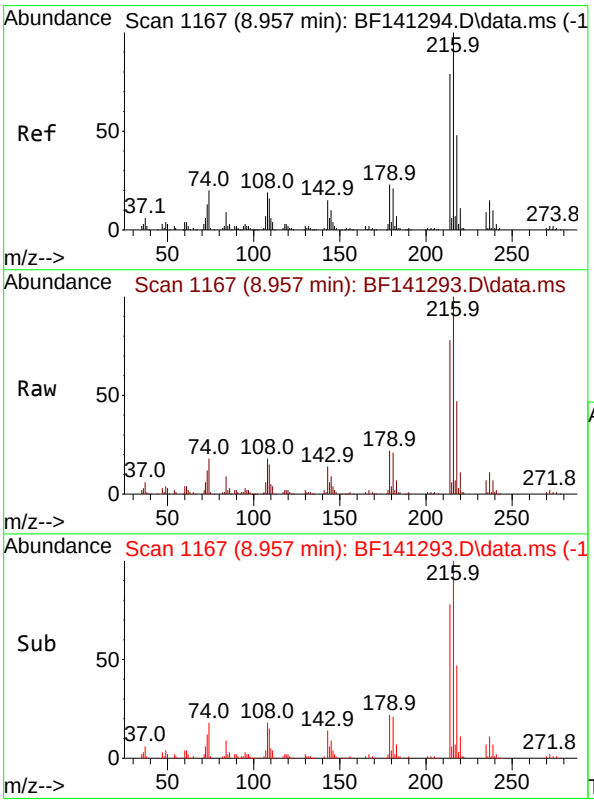
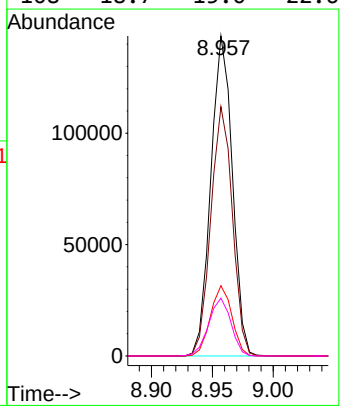
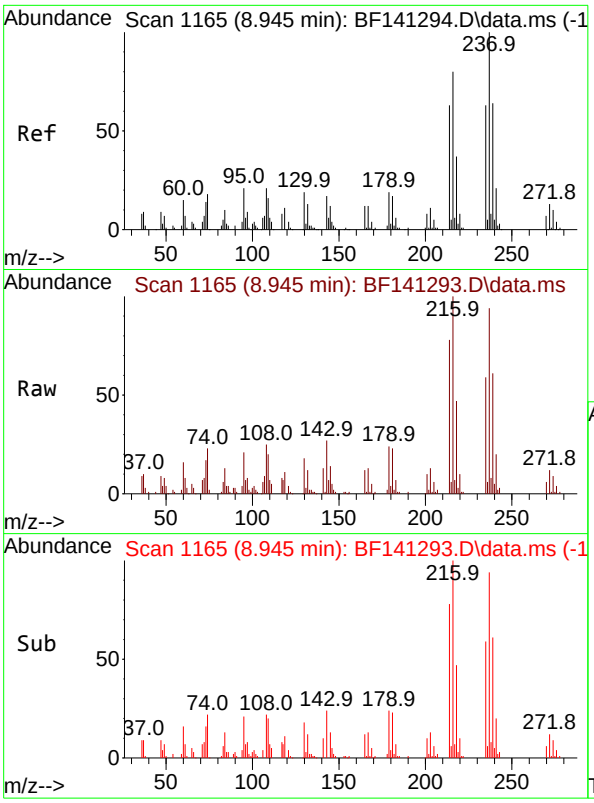


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.209 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:216 Resp: 176736

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.2	94.8
179	21.9	17.8	26.8
108	18.7	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:237 Resp: 5111

Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.9	82.9
272	13.0	0.0	32.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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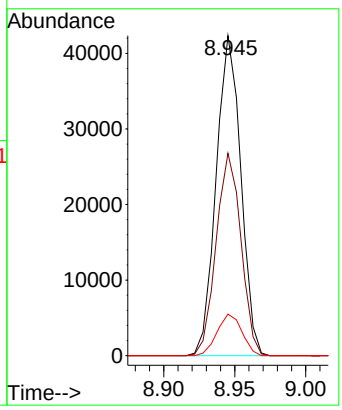
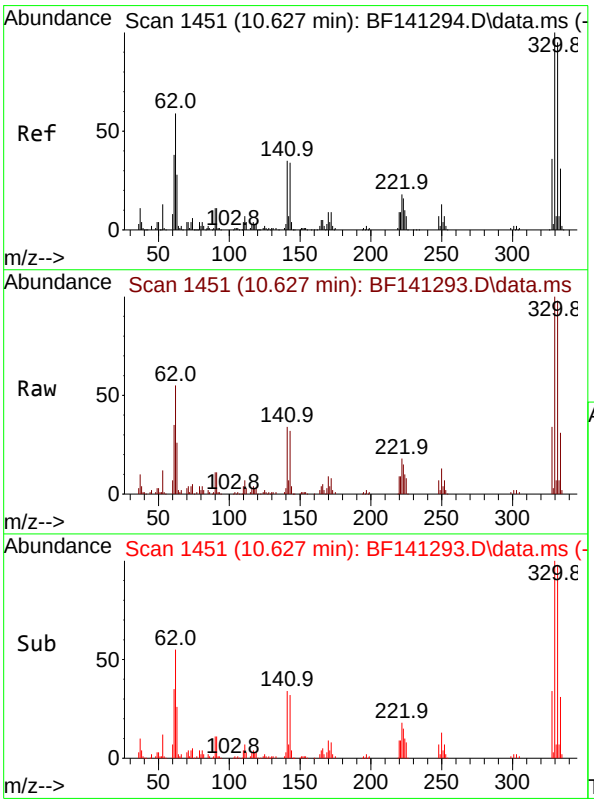
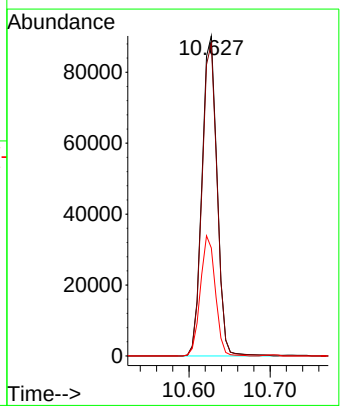


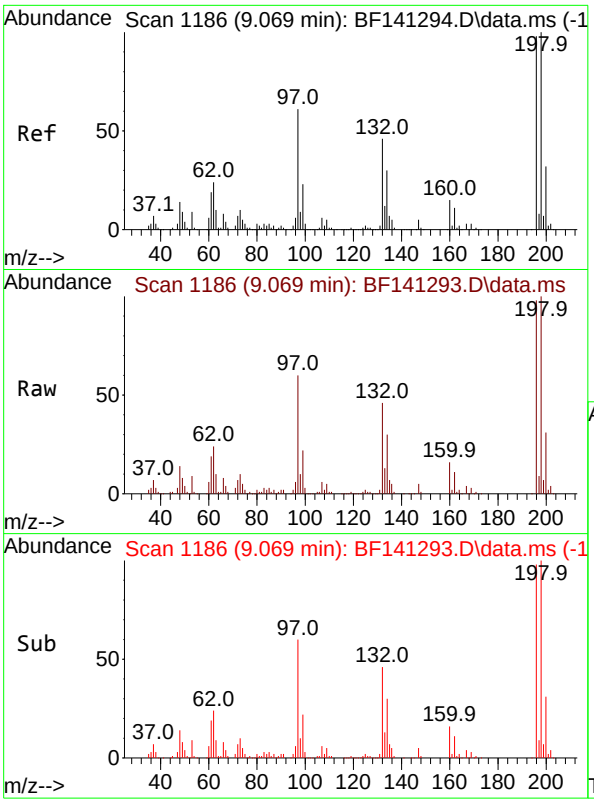


#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:330 Resp: 116167

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.1	114.1
141	37.2	28.8	43.2

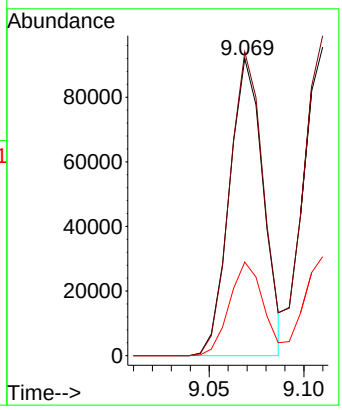




#43
2,4,6-Trichlorophenol
Concen: 21.029 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 11439

Ion	Ratio	Lower	Upper
196	100		
198	102.3	81.8	122.6
200	31.5	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
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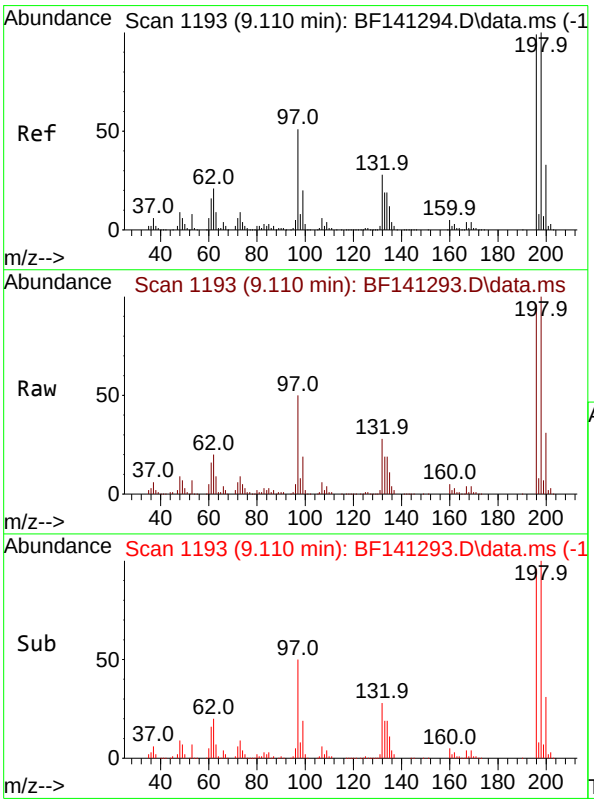
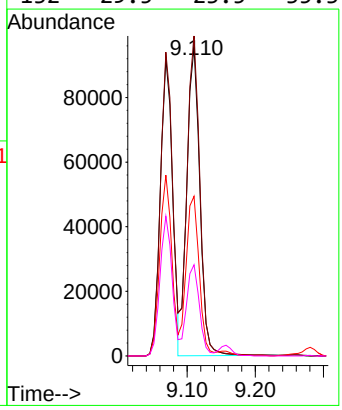
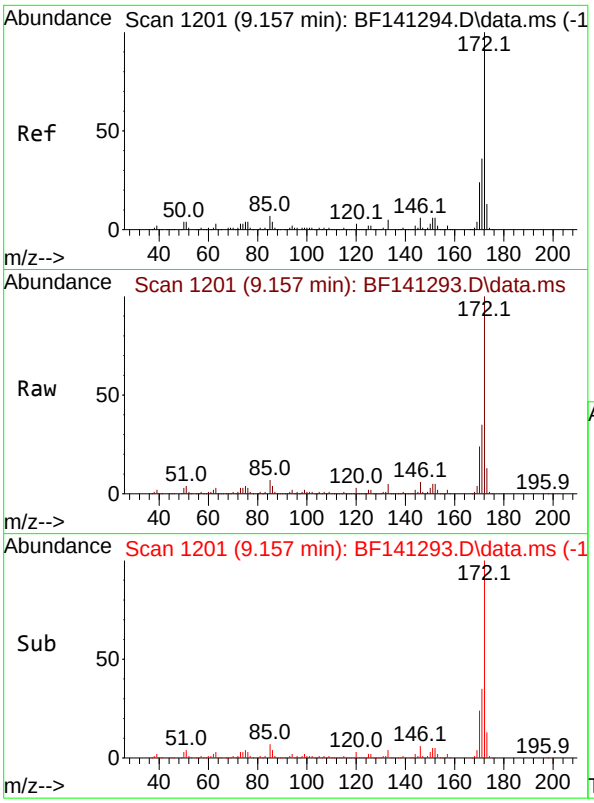


#44
2,4,5-Trichlorophenol
Concen: 21.245 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 125725

Ion	Ratio	Lower	Upper
196	100		
198	103.7	80.5	120.7
97	51.8	42.8	64.2
132	29.5	23.5	35.3





#45
2-Fluorobiphenyl
Concen: 43.127 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 81937

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	23.5	19.0	28.6

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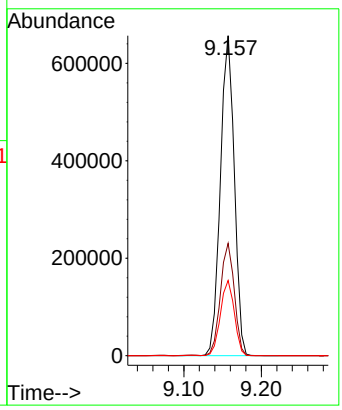
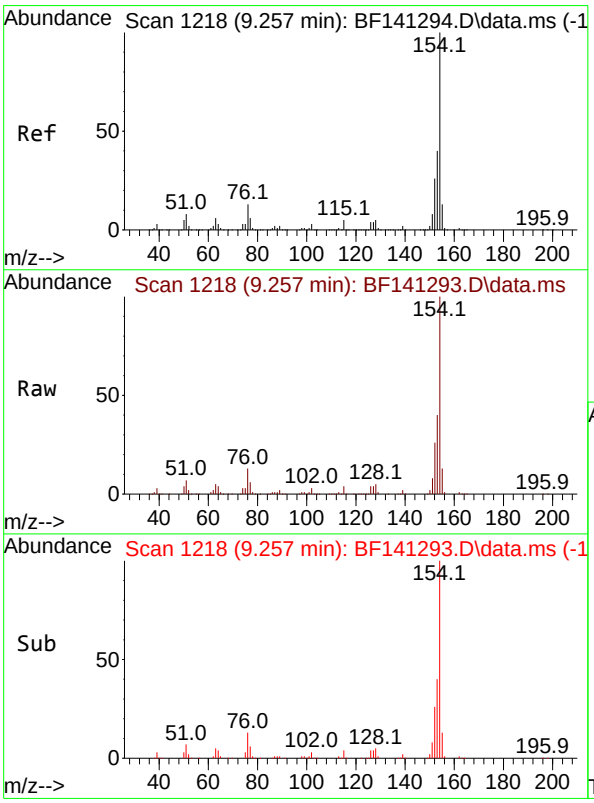
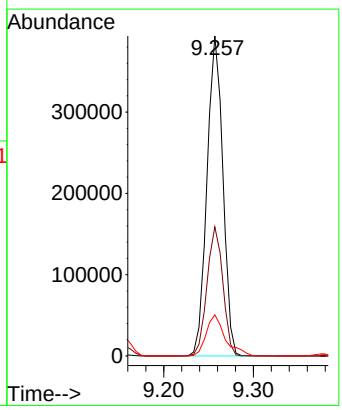


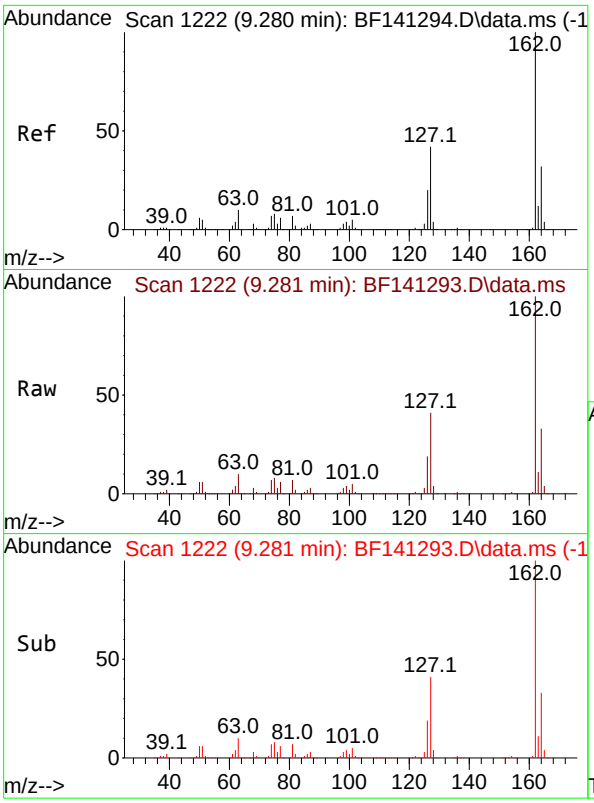


#46
1,1'-Biphenyl
Concen: 21.145 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 483479

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.0	60.0
76	12.8	0.0	32.8

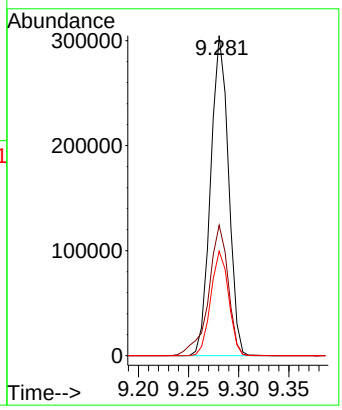




#47
2-Chloronaphthalene
Concen: 21.282 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:162 Resp: 37794

Ion	Ratio	Lower	Upper
162	100		
127	40.8	33.7	50.5
164	32.7	25.9	38.9



Instrument :
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ClientSampleId :
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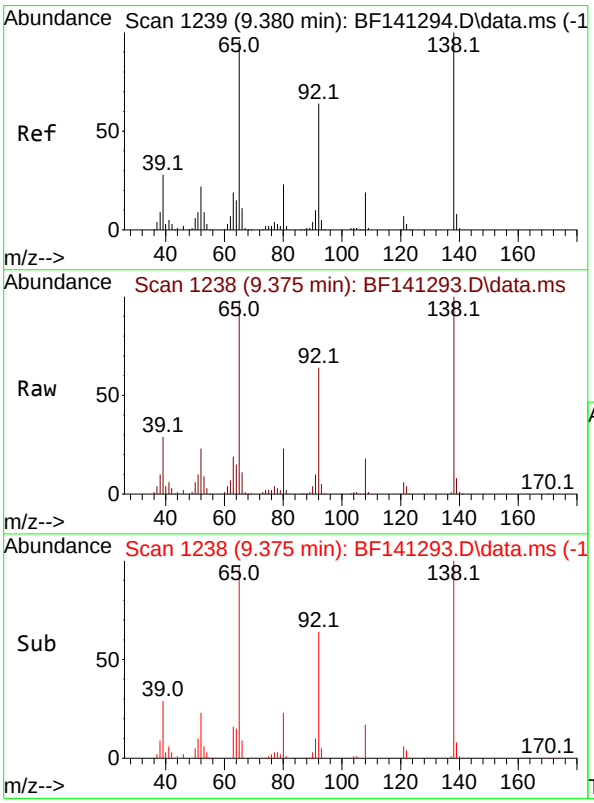
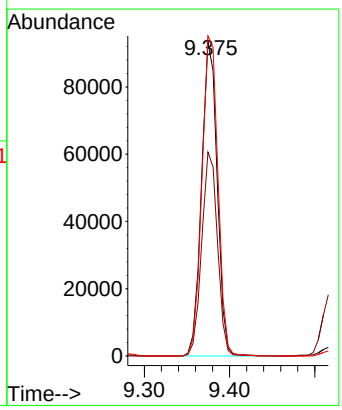
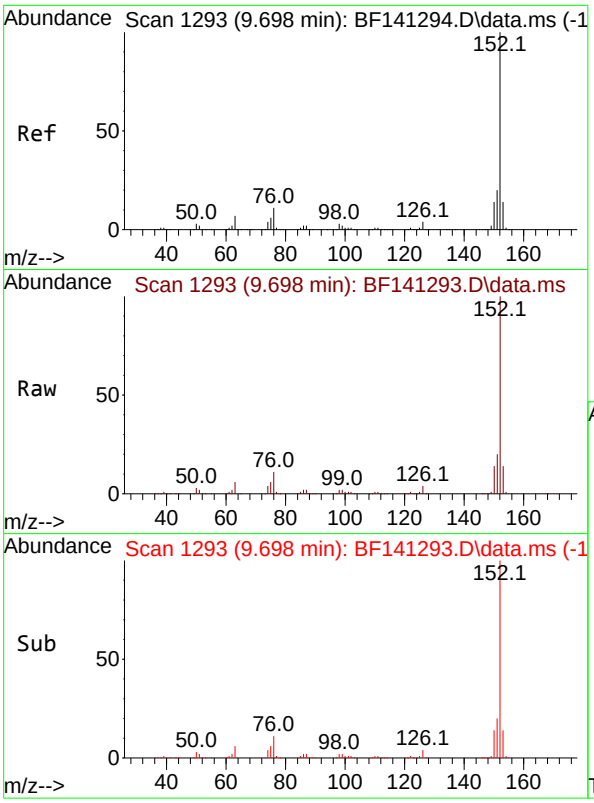


#48
2-Nitroaniline
Concen: 21.310 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 65 Resp: 119359

Ion	Ratio	Lower	Upper
65	100		
92	64.9	53.3	79.9
138	102.0	83.6	125.4

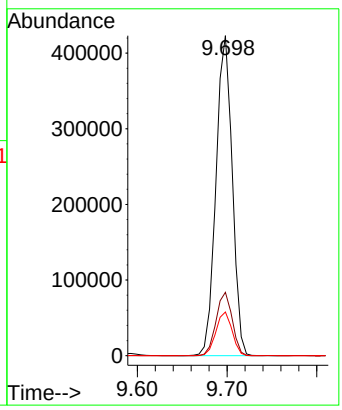




#49
Acenaphthylene
Concen: 21.328 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 53195

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.7	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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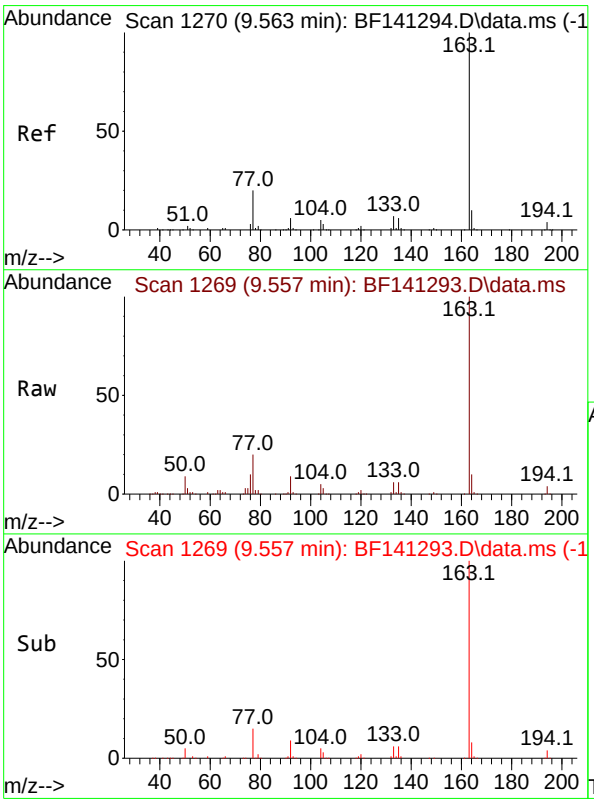
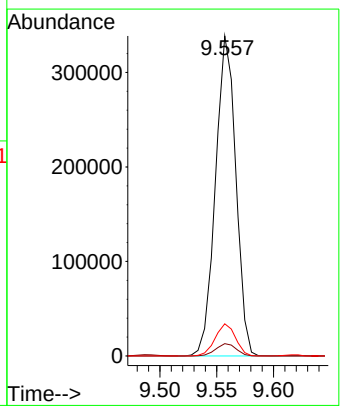
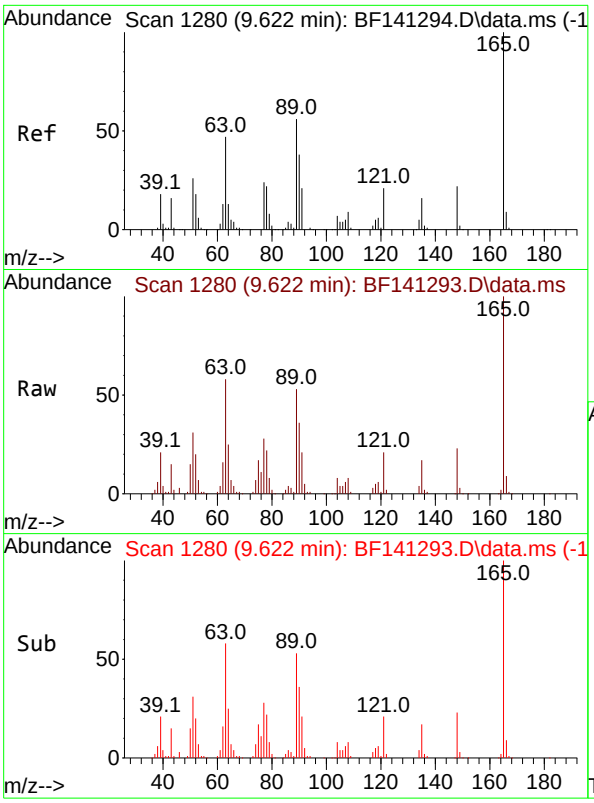


#50
Dimethylphthalate
Concen: 21.542 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:163 Resp: 423377

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0

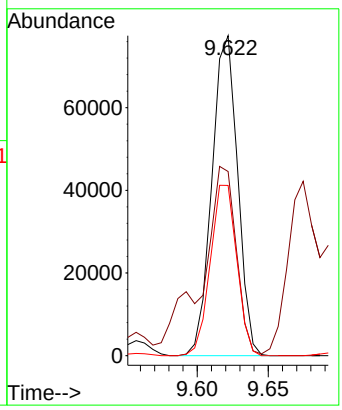




#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:165 Resp: 9762

Ion	Ratio	Lower	Upper
165	100		
63	57.6	48.1	72.1
89	53.2	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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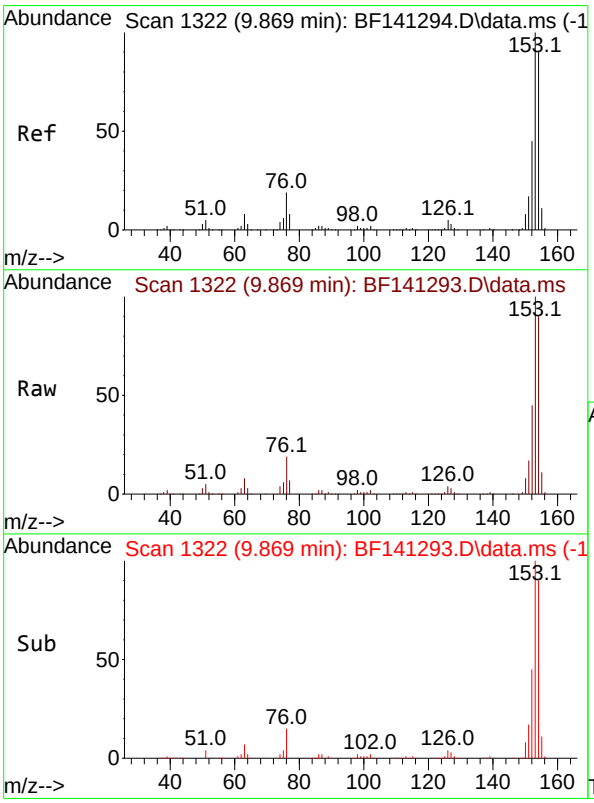
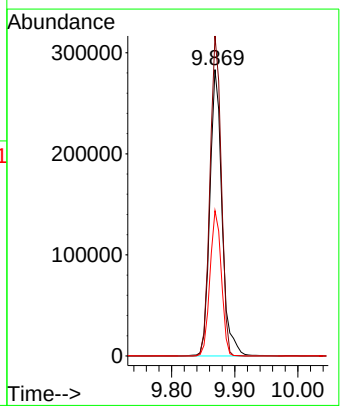
Supervised By :mohammad ahmed 02/04/2025

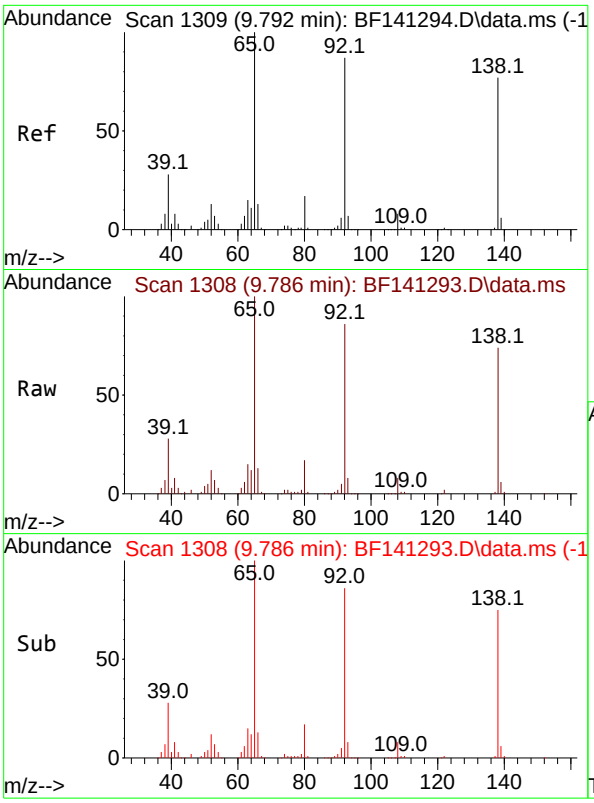


#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 378511

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.0	133.4
152	50.7	40.2	60.4





#53
3-Nitroaniline
Concen: 22.123 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:138 Resp: 10008

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	115.8	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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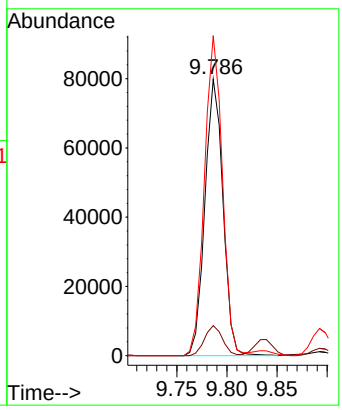
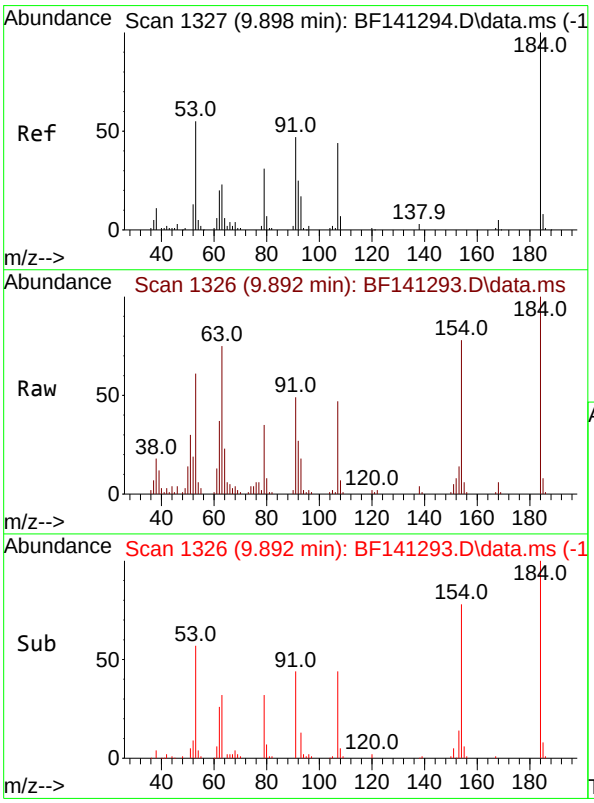
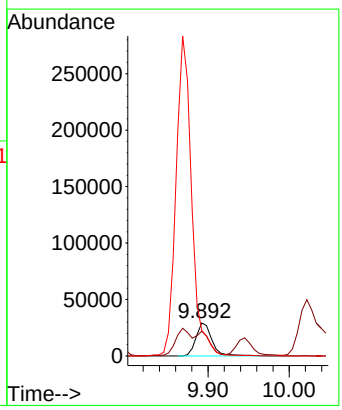


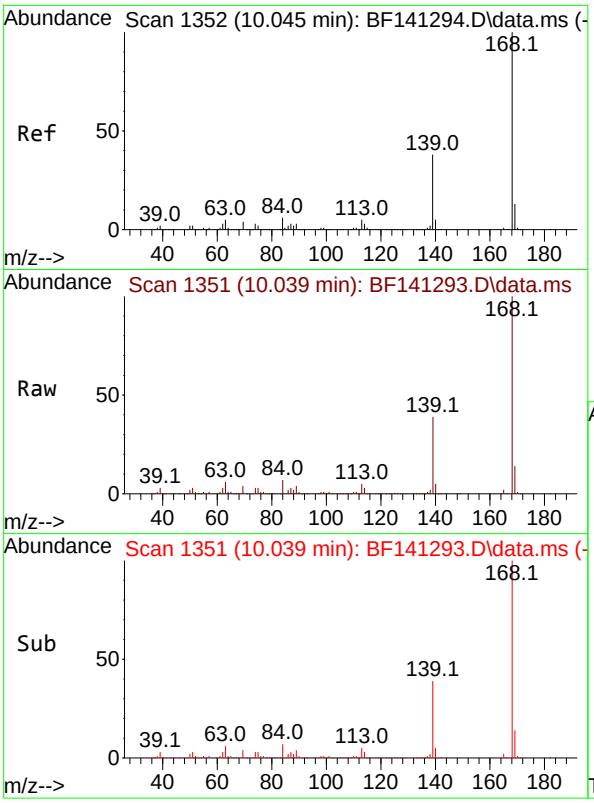


#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 40003

Ion	Ratio	Lower	Upper
184	100		
63	75.1	54.1	81.1
154	78.0	50.7	76.1#

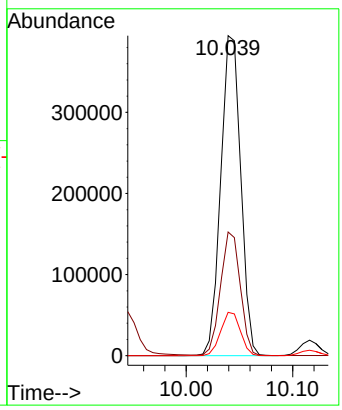




#55
Dibenzofuran
Concen: 21.665 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:168 Resp: 51422

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.6	46.0
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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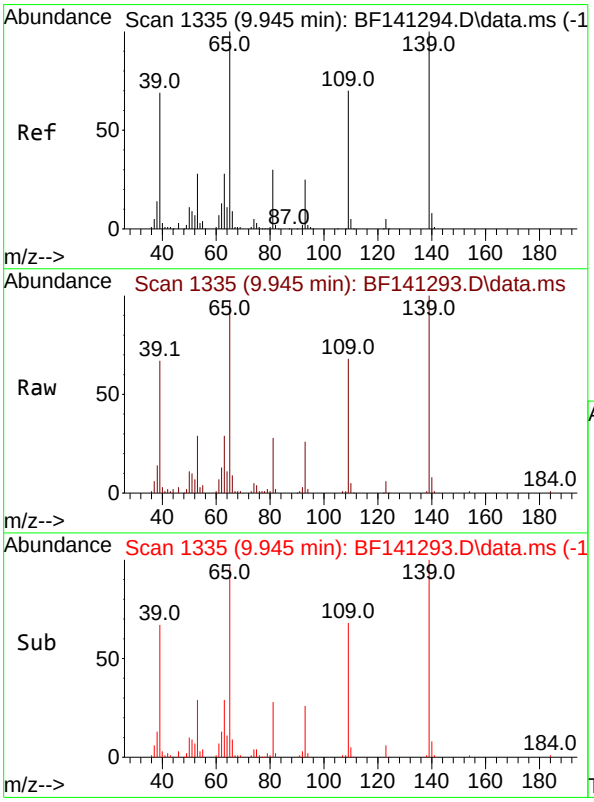
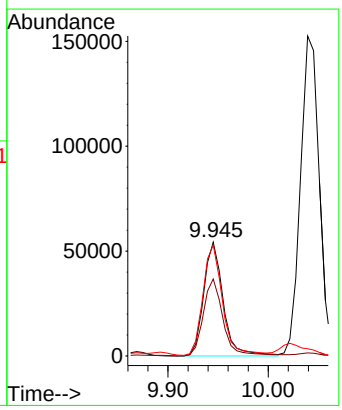
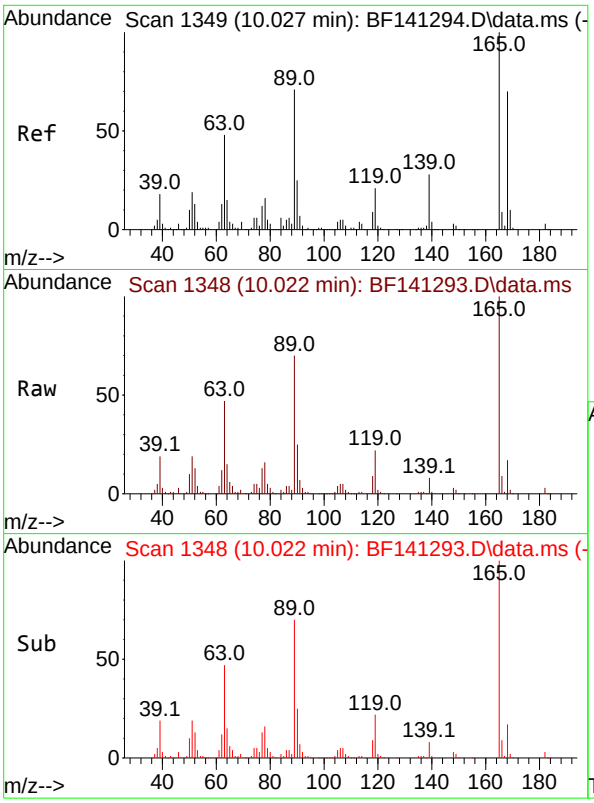


#56
4-Nitrophenol
Concen: 22.607 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 73425

Ion	Ratio	Lower	Upper
139	100		
109	67.7	50.2	90.2
65	97.5	80.6	120.6

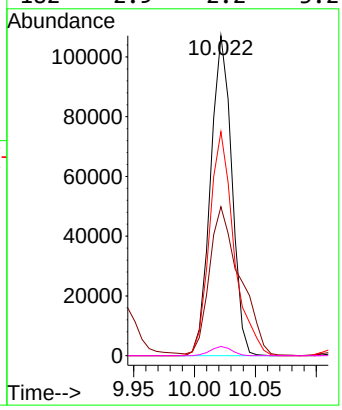




#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:165 Resp: 12994

Ion	Ratio	Lower	Upper
165	100		
63	46.6	39.2	58.8
89	70.0	56.9	85.3
182	2.9	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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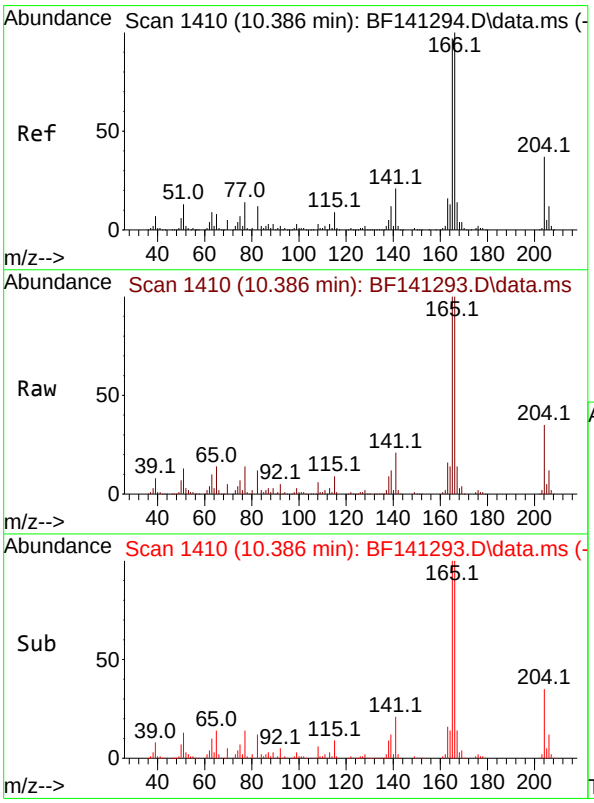
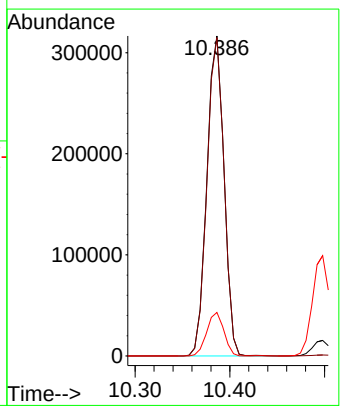
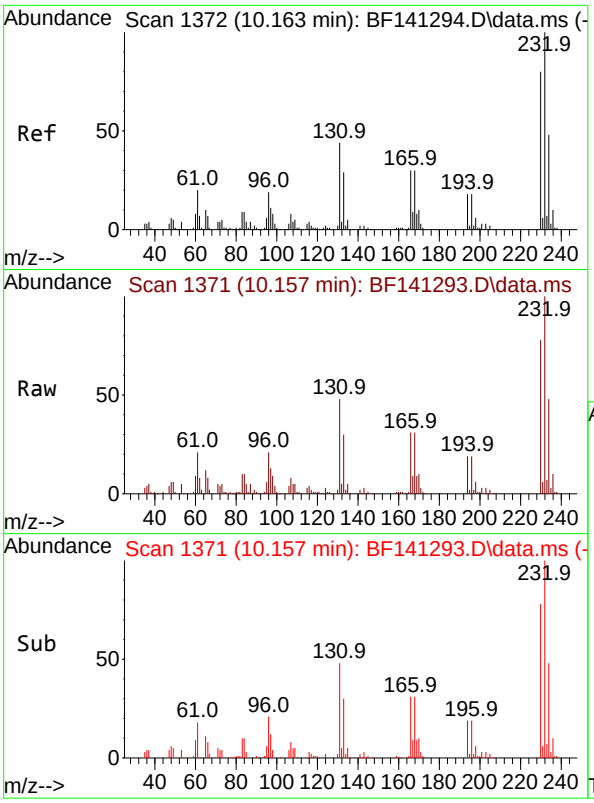


#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:166 Resp: 396520

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.5	116.3
167	13.6	10.9	16.3

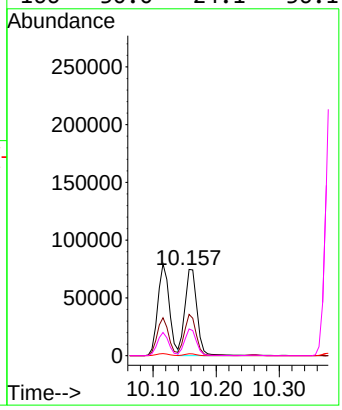




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:232 Resp: 9984

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.4	54.6
130	2.0	1.9	2.9
166	30.0	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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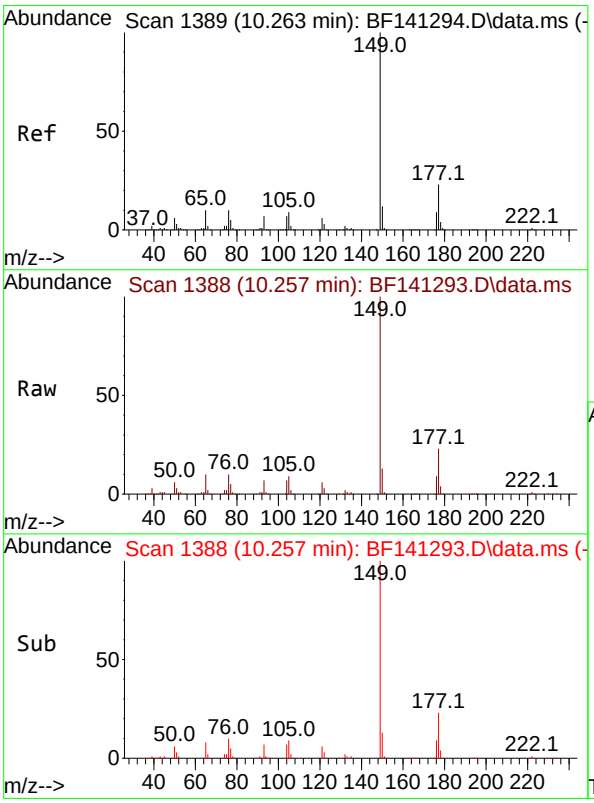
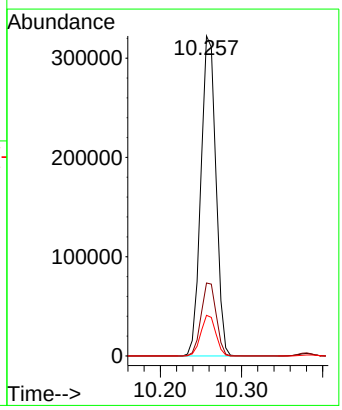
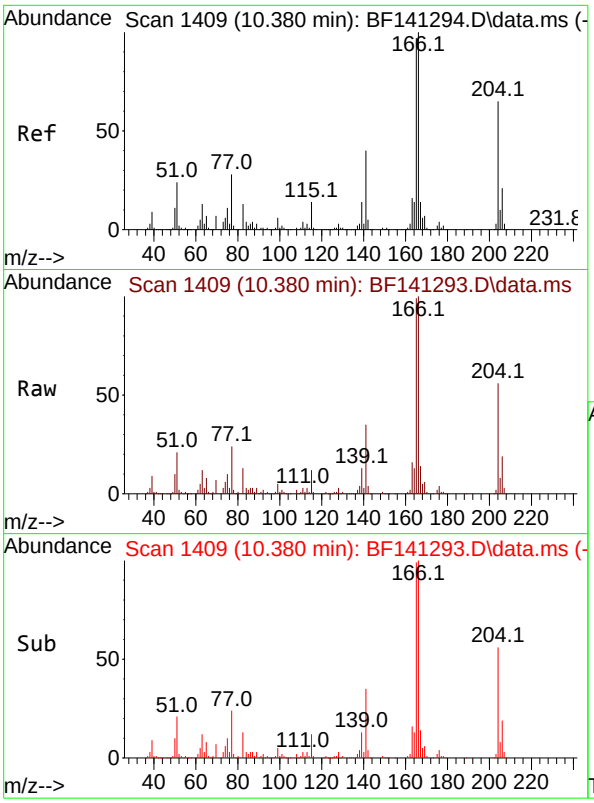


#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 413889

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 19313

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.9	38.9
141	61.8	49.5	74.3

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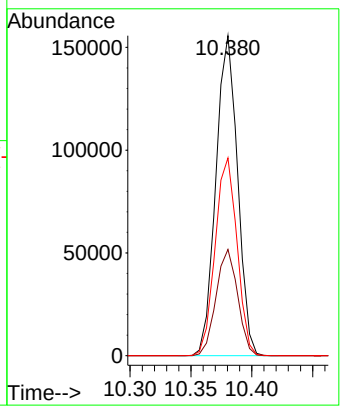
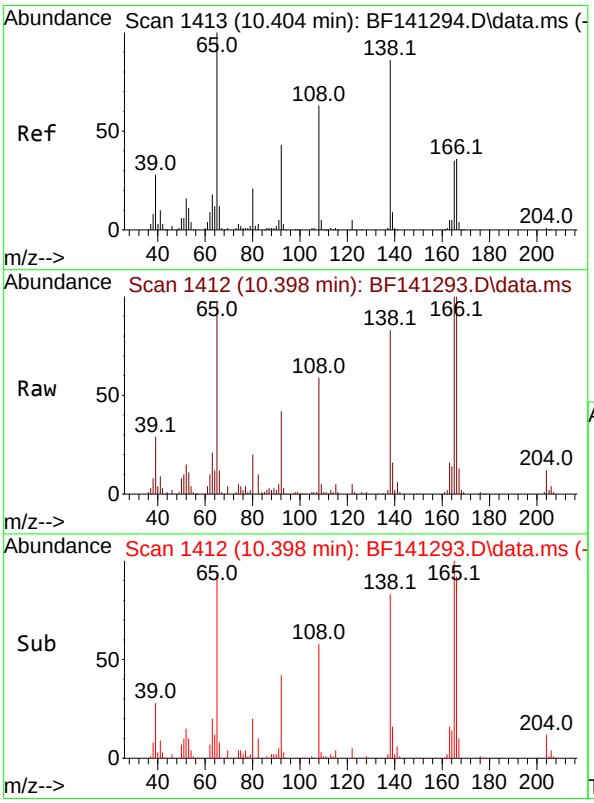
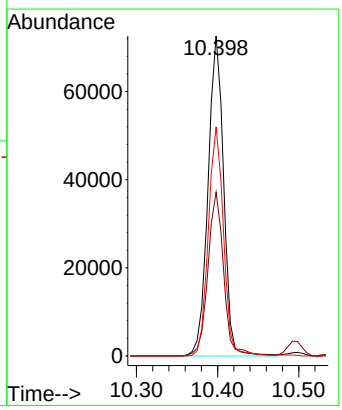


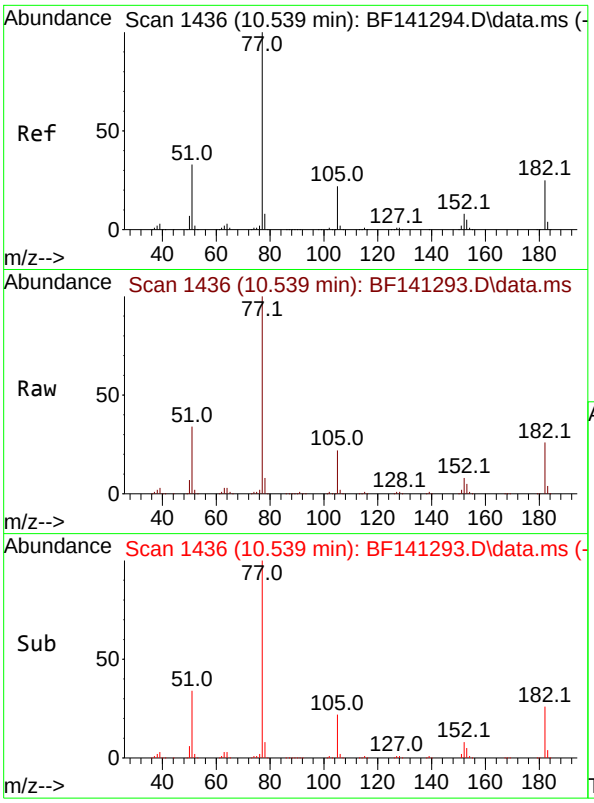


#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:138 Resp: 96692

Ion	Ratio	Lower	Upper
138	100		
92	51.2	30.1	70.1
108	71.5	53.1	93.1





#63
Azobenzene
Concen: 21.358 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 40749

Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.1	45.1
105	22.1	1.8	41.8
51	33.8	14.0	54.0

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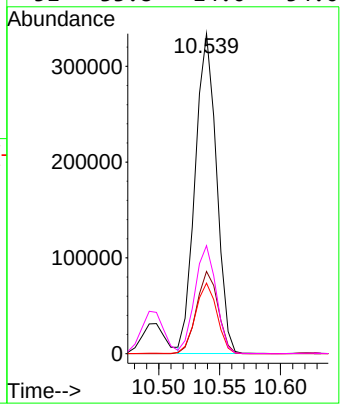
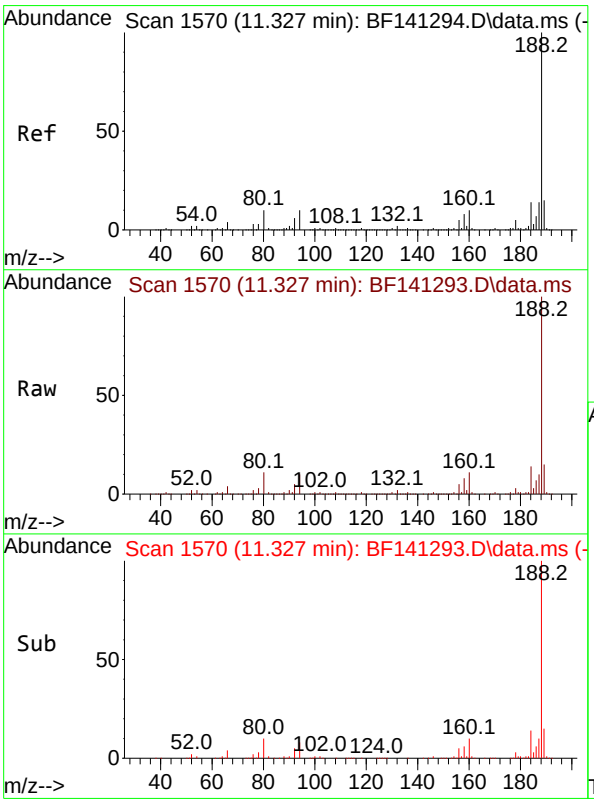
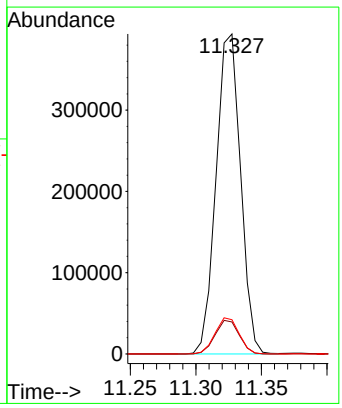


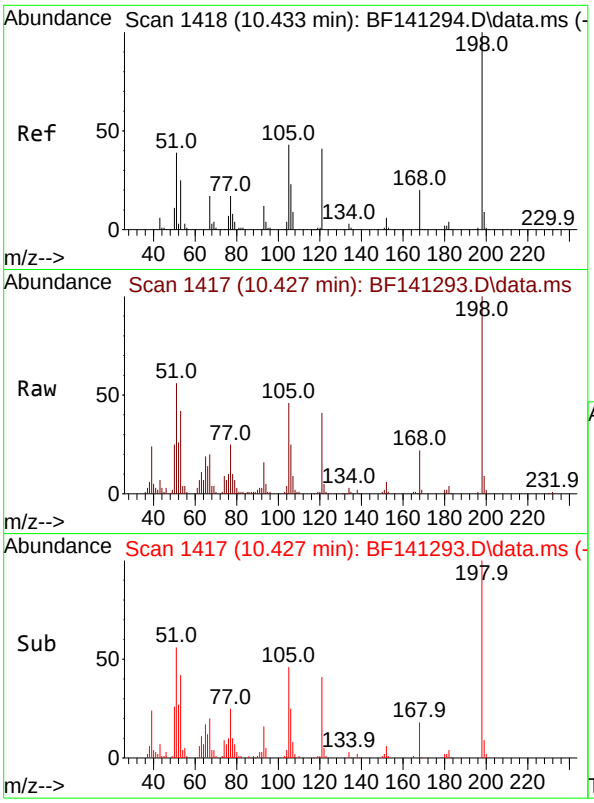


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:188 Resp: 511320

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.7	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:198 Resp: 6257

Ion	Ratio	Lower	Upper
198	100		
51	56.0	33.4	73.4
105	45.9	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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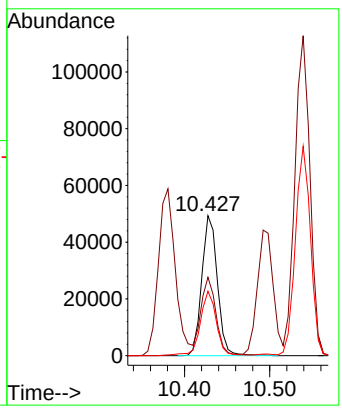
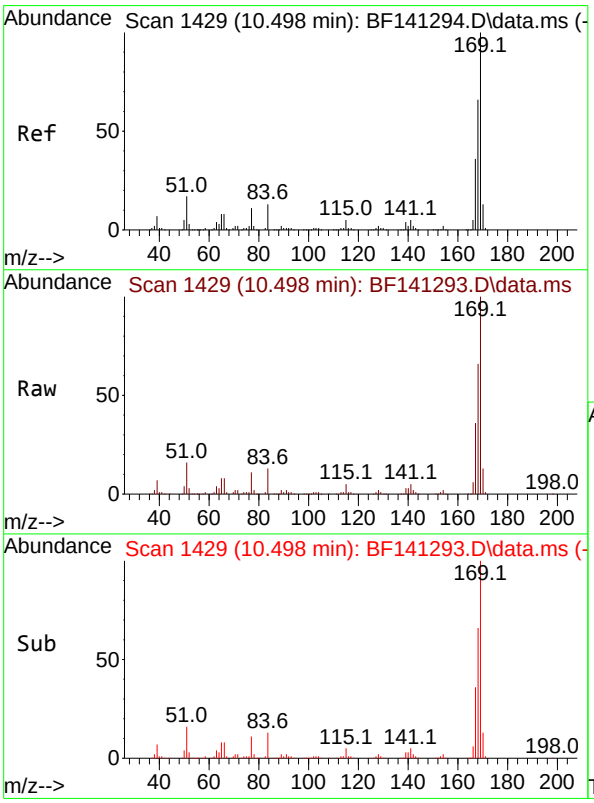
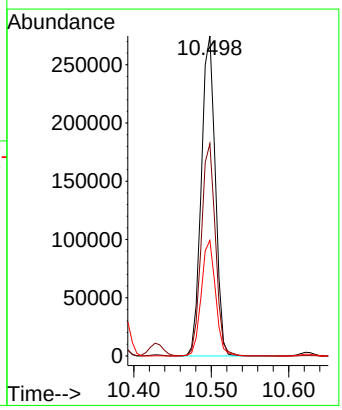


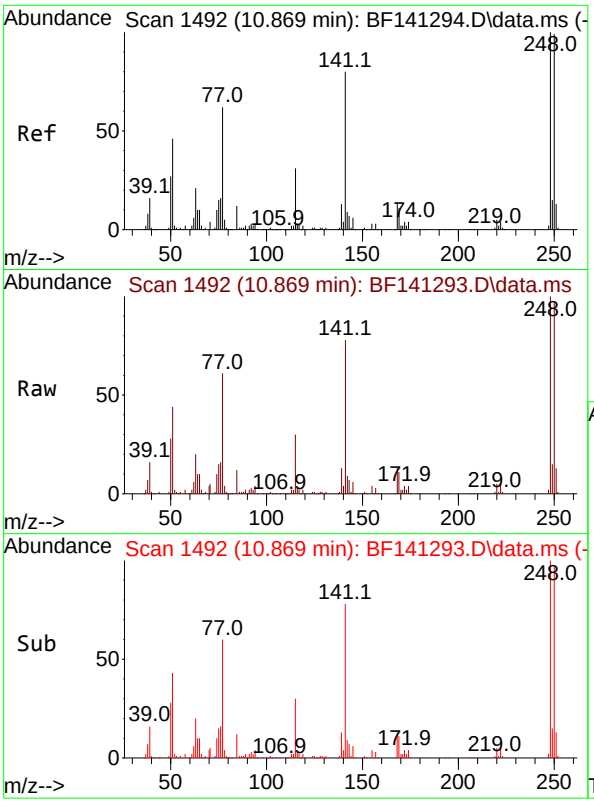


#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:169 Resp: 344387

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.4
167	36.1	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 20.967 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 11984

Ion	Ratio	Lower	Upper
248	100		
250	97.3	79.0	118.4
141	78.1	63.7	95.5

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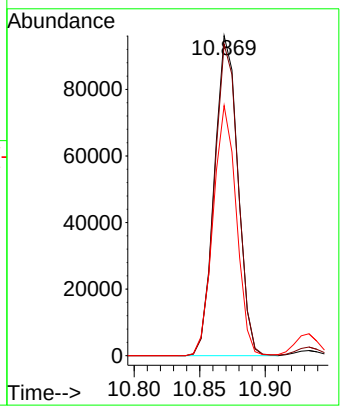
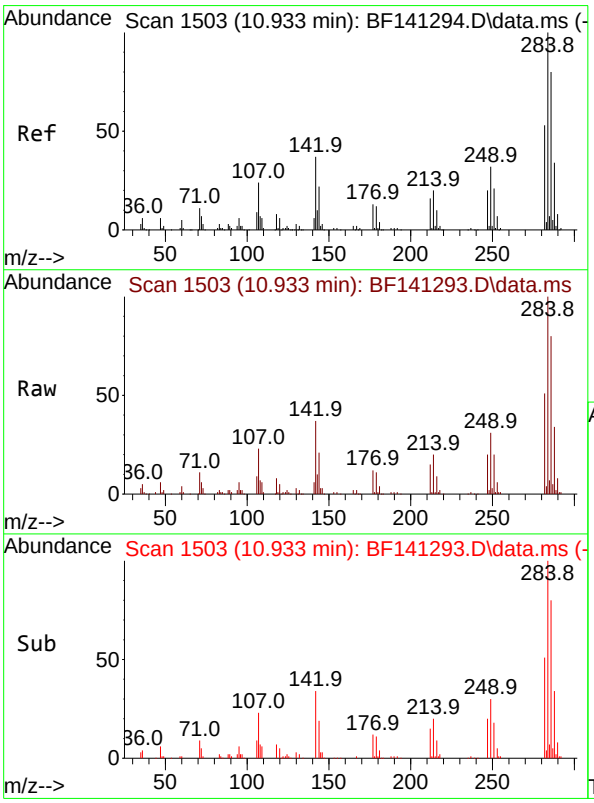
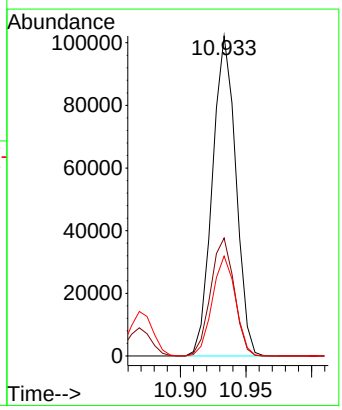


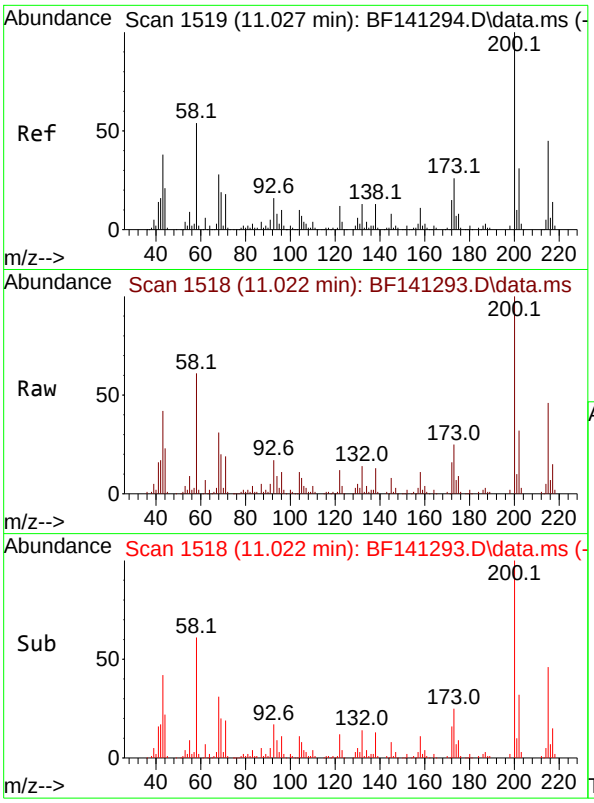


#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:284 Resp: 126823

Ion	Ratio	Lower	Upper
284	100		
142	36.8	29.5	44.3
249	31.2	25.4	38.2

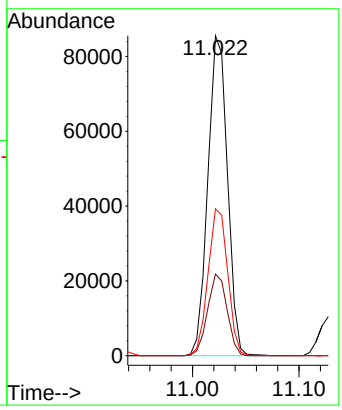




#69
Atrazine
Concen: 19.627 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:200 Resp: 10913

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.9	45.9
215	45.9	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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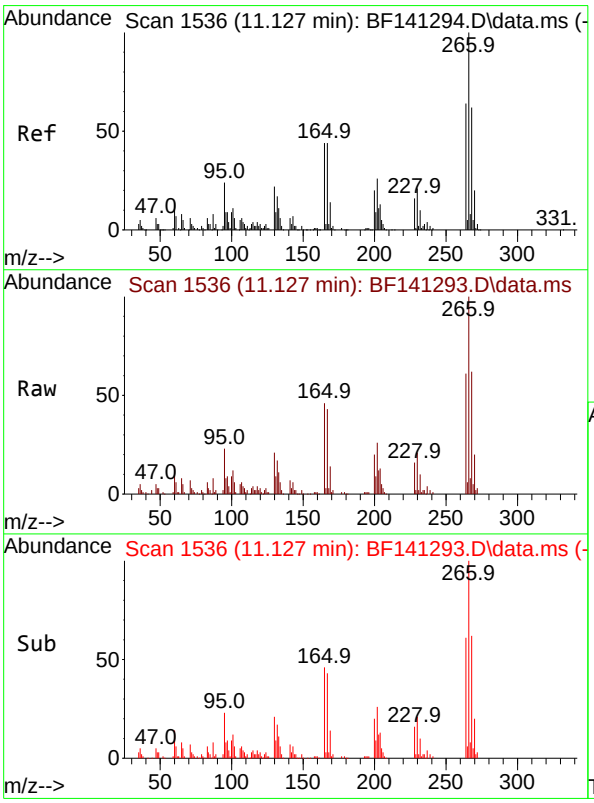
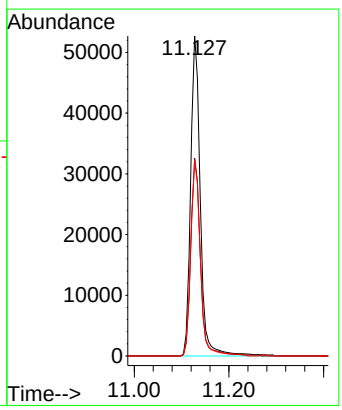
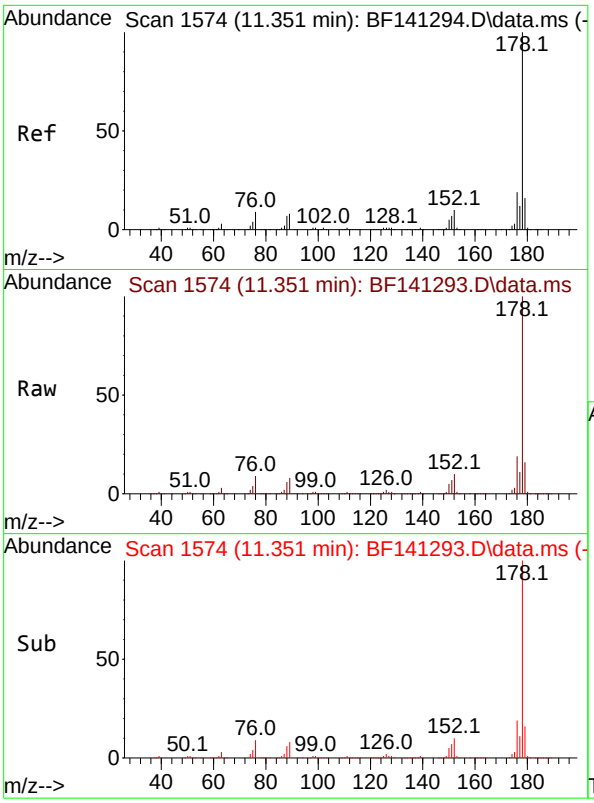


#70
Pentachlorophenol
Concen: 20.958 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:266 Resp: 74508

Ion	Ratio	Lower	Upper
266	100		
268	61.8	49.9	74.9
264	61.2	51.0	76.4

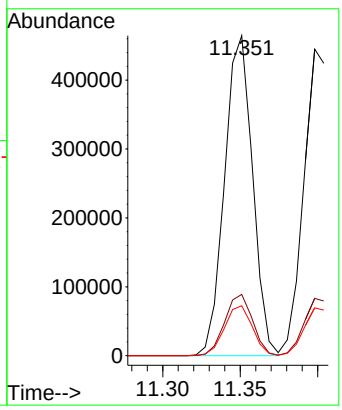




#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:178 Resp: 58402

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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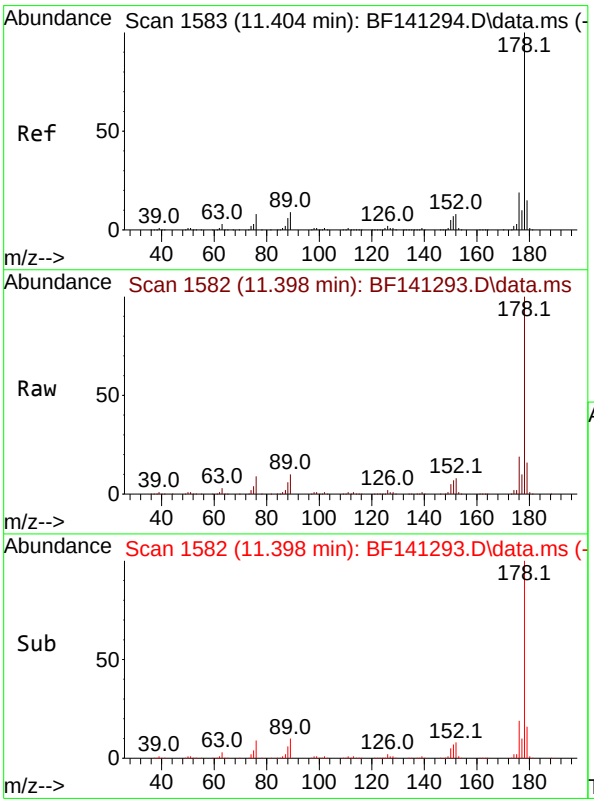
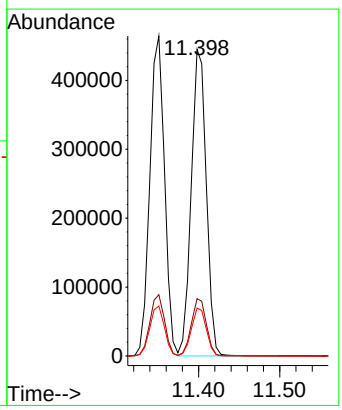
Supervised By :mohammad ahmed 02/04/2025

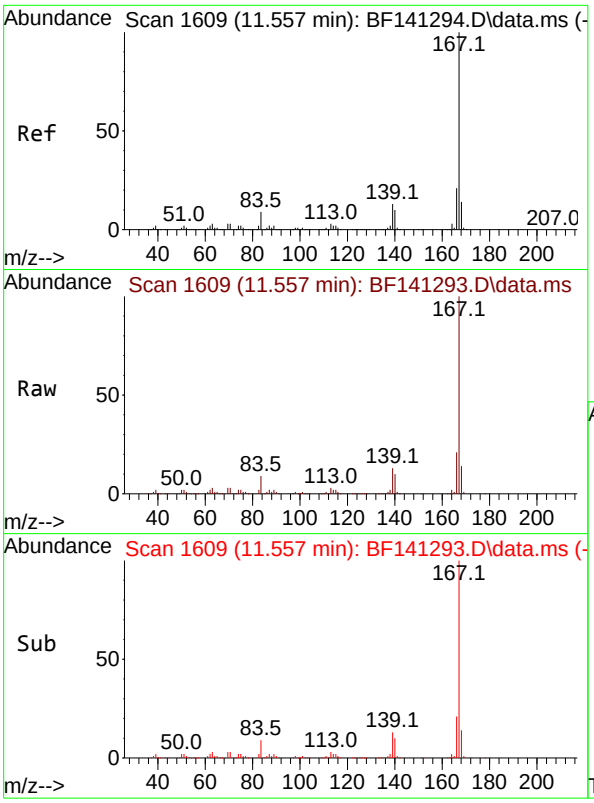


#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:178 Resp: 572743

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

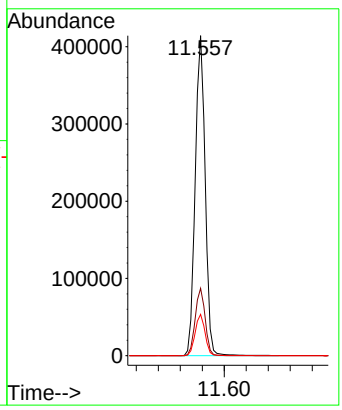




#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:167 Resp: 52210

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.9	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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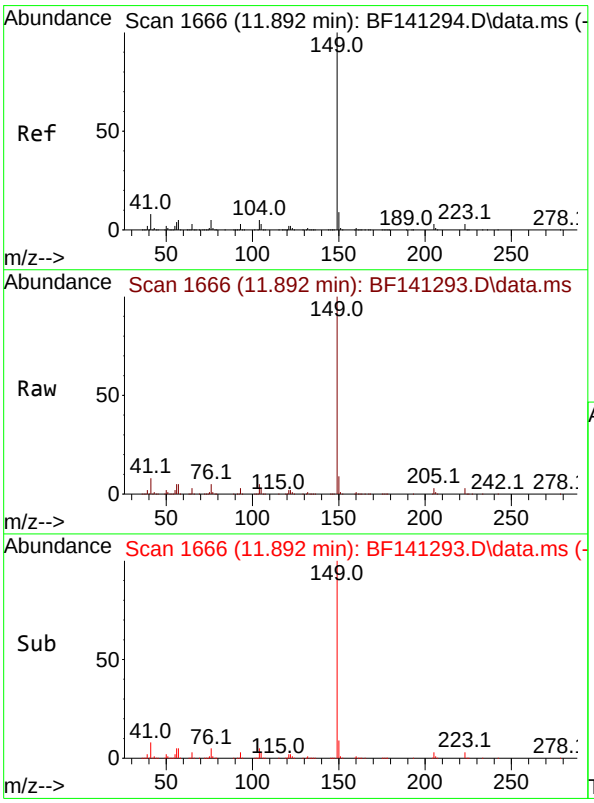
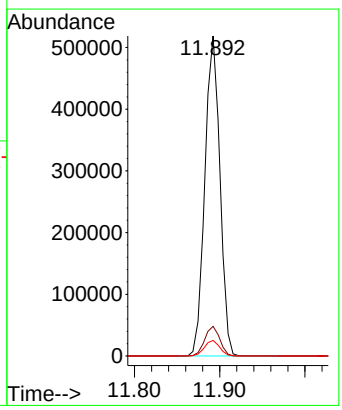
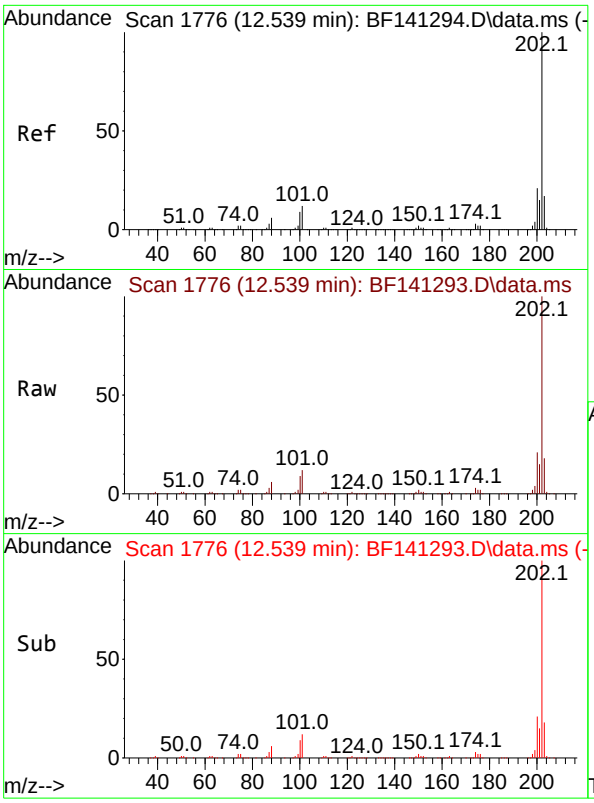


#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 636521

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.8	3.9	5.9





#75
Fluoranthene
Concen: 22.808 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:202 Resp: 61149

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.5	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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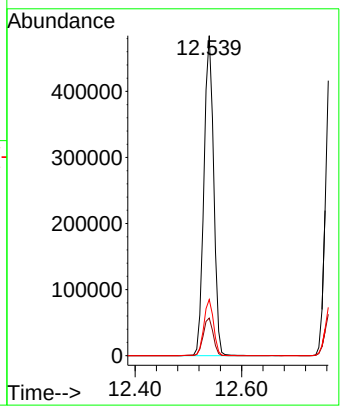
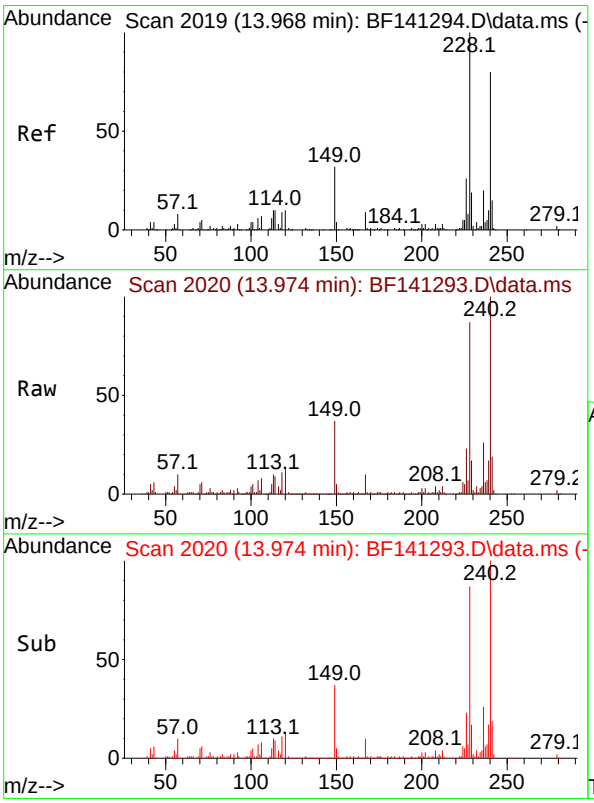
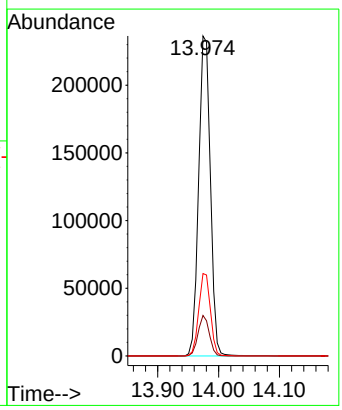


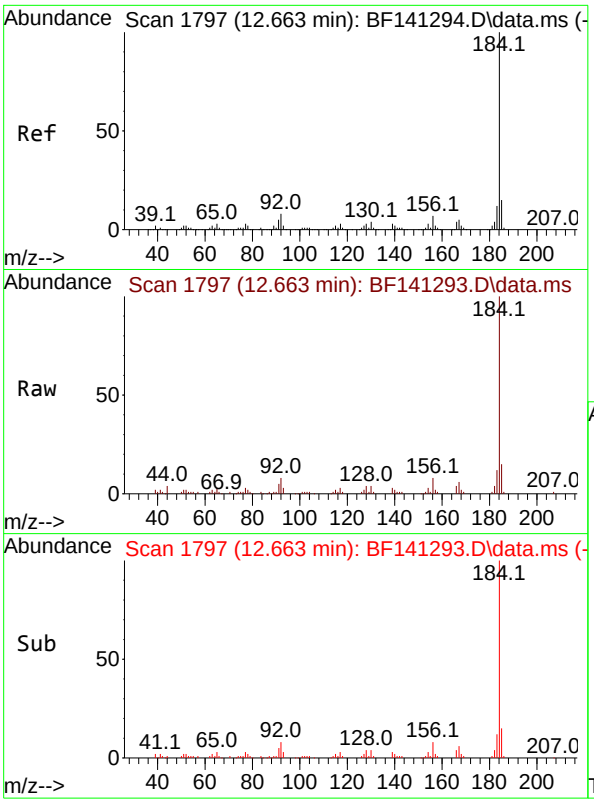


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:240 Resp: 314234

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.0	15.0
236	25.8	19.7	29.5

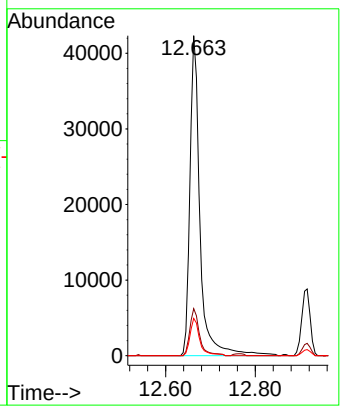




#77
Benzidine
Concen: 6.904 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 6596

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
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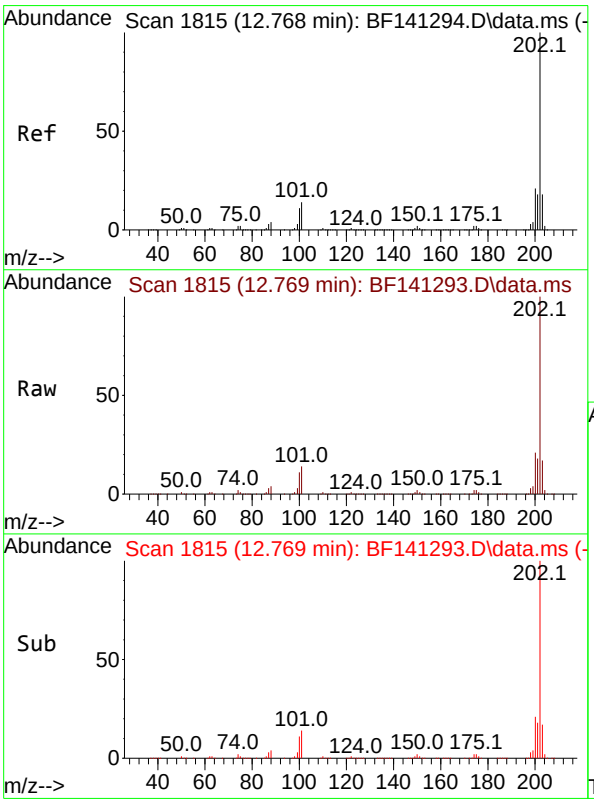
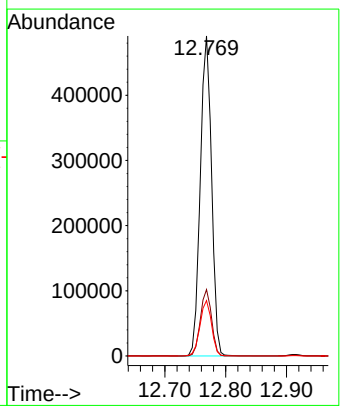
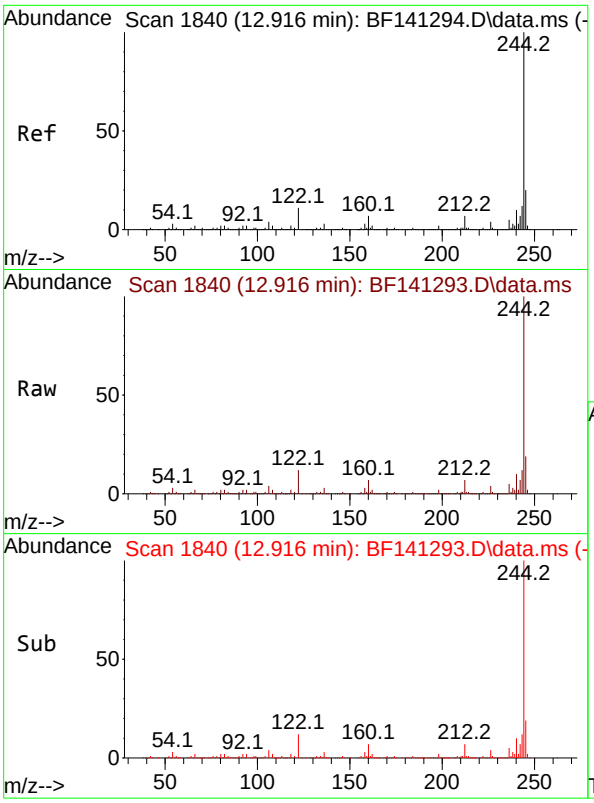


#78
Pyrene
Concen: 20.739 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:202 Resp: 629228

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.3	14.3	21.5

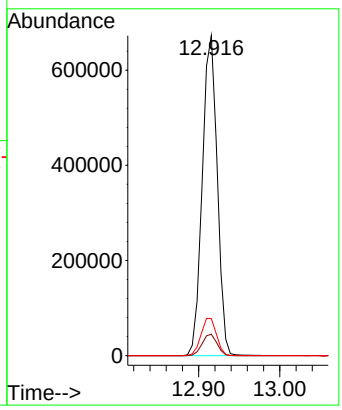




#79
Terphenyl-d14
Concen: 42.159 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:244 Resp: 86095

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.6	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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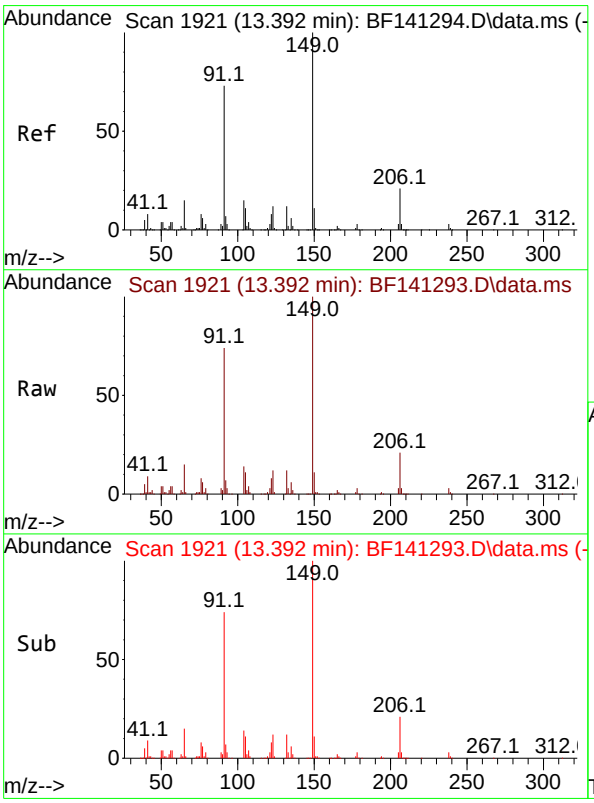
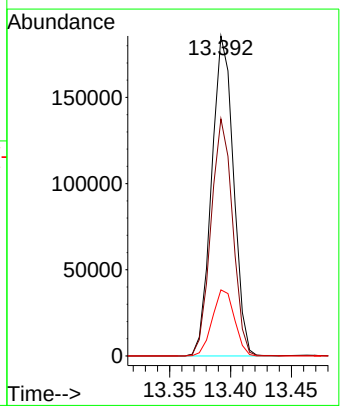
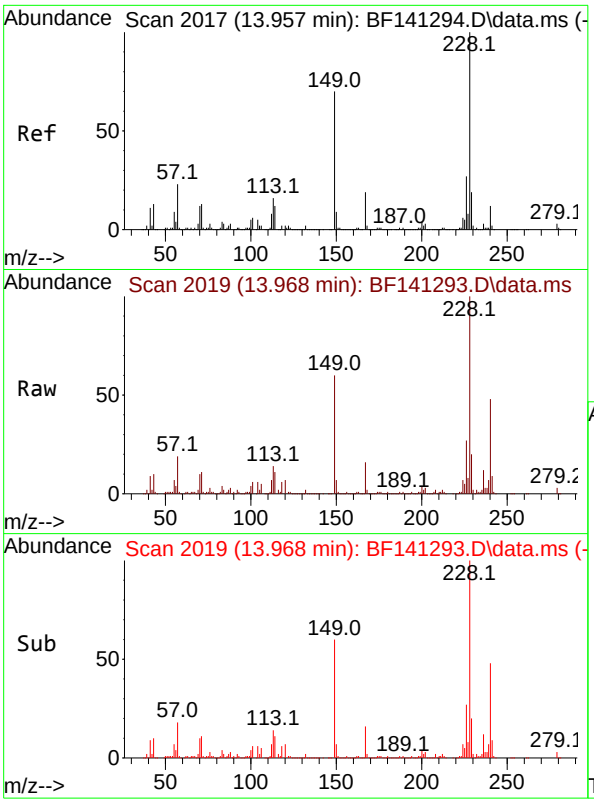


#80
Butylbenzylphthalate
Concen: 22.149 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 232095

Ion	Ratio	Lower	Upper
149	100		
91	74.1	58.6	87.8
206	20.7	16.7	25.1

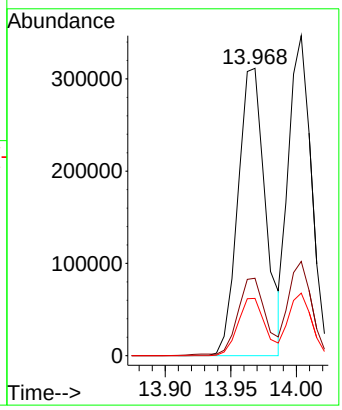




#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:228 Resp: 45653

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.2
229	19.9	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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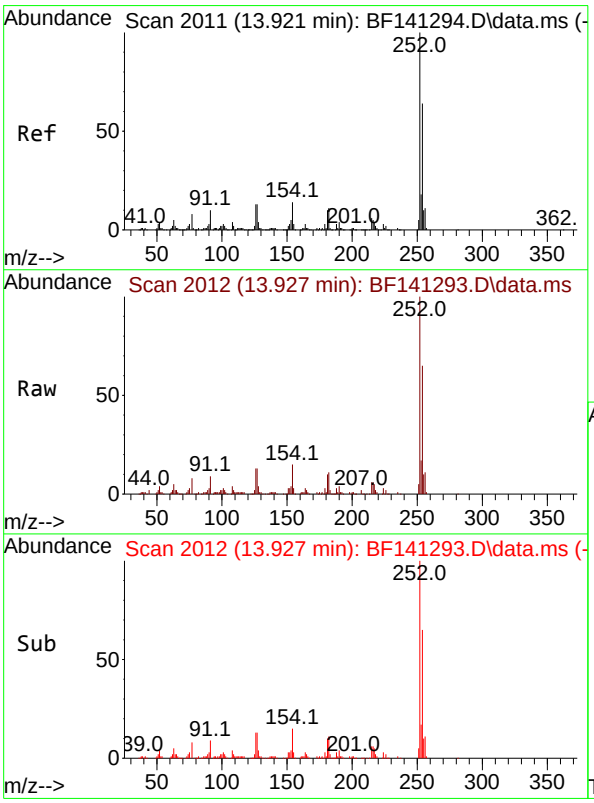
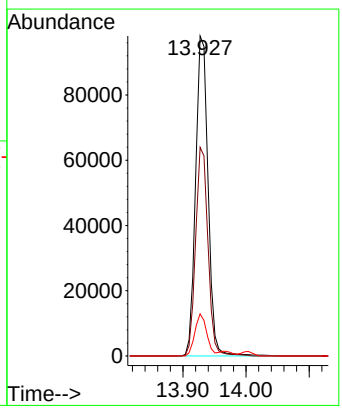
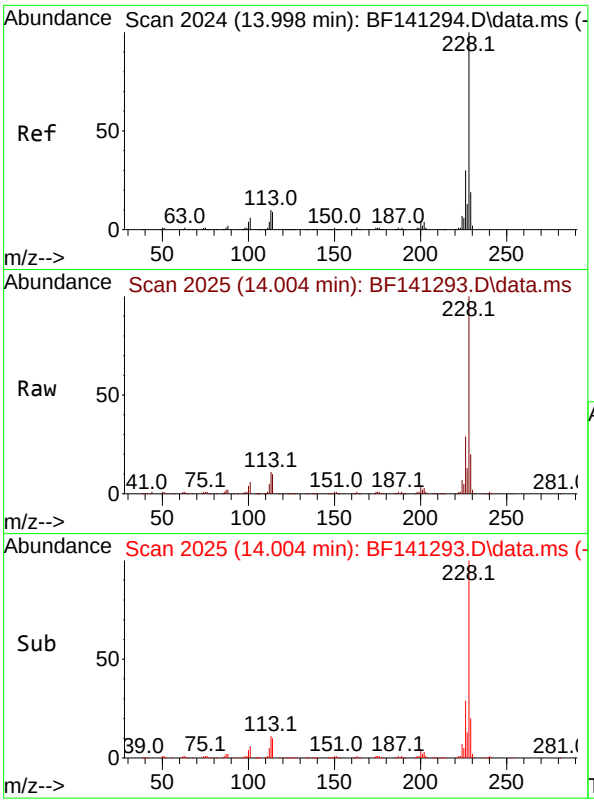


#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 134298

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.3	76.9
126	13.2	10.0	15.0

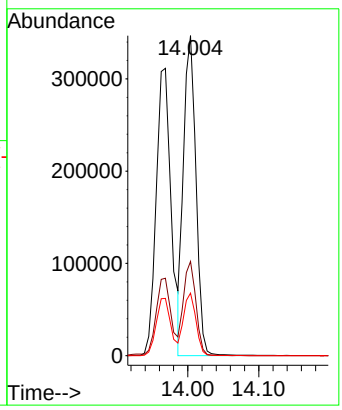




#83
Chrysene
Concen: 21.122 ng
RT: 14.004 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:228 Resp: 42184

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	19.5	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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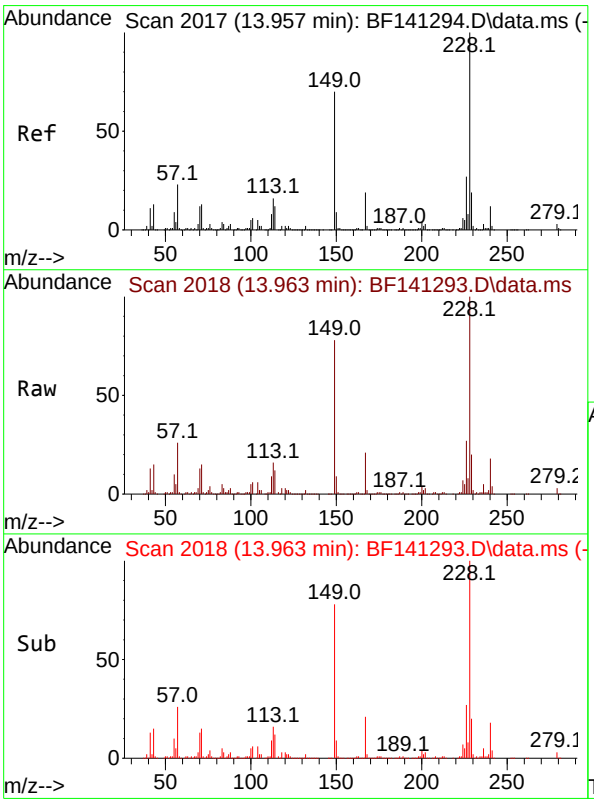
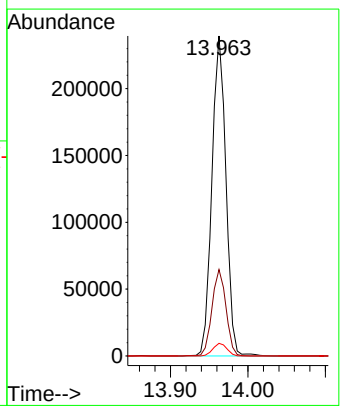
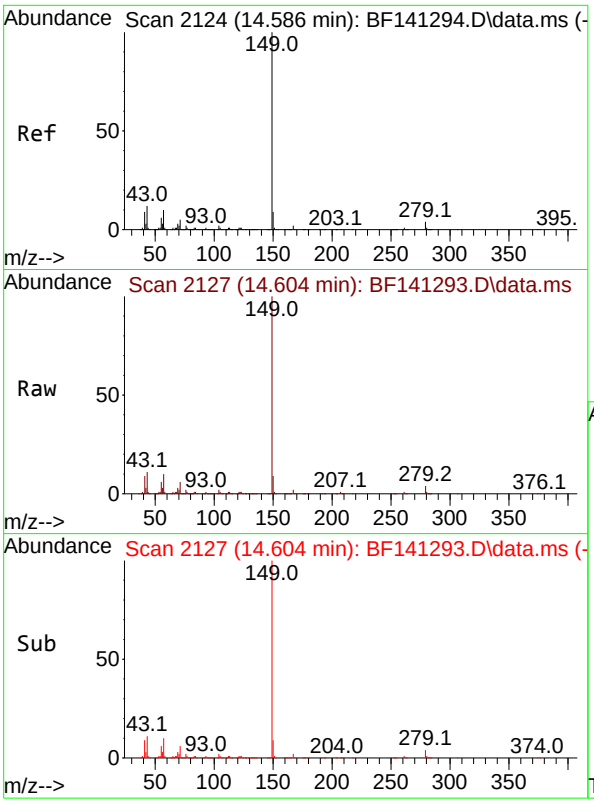


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 300546

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.9	3.3	4.9

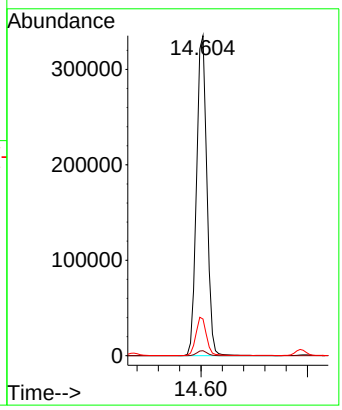




#85
Di-n-octyl phthalate
Concen: 21.964 ng
RT: 14.604 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 45174

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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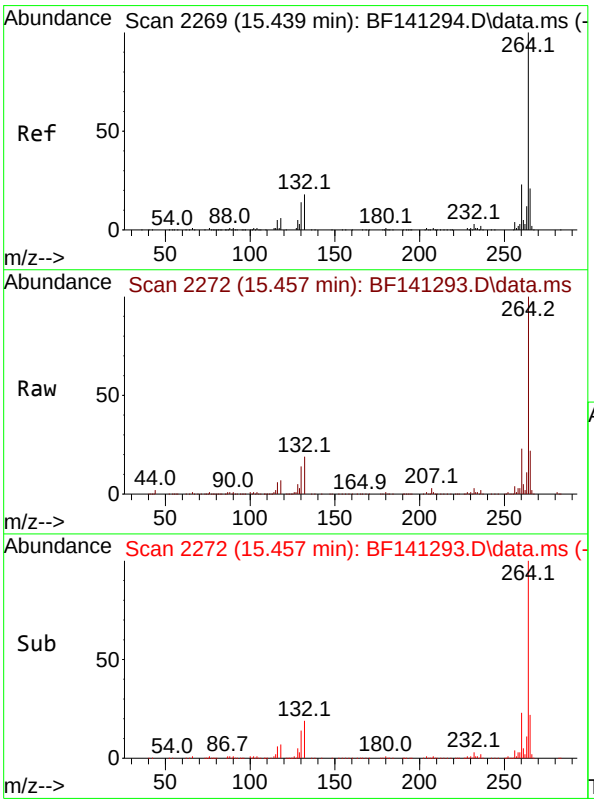
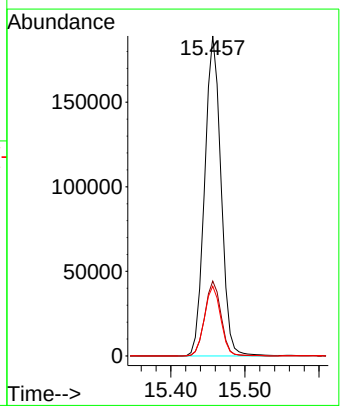
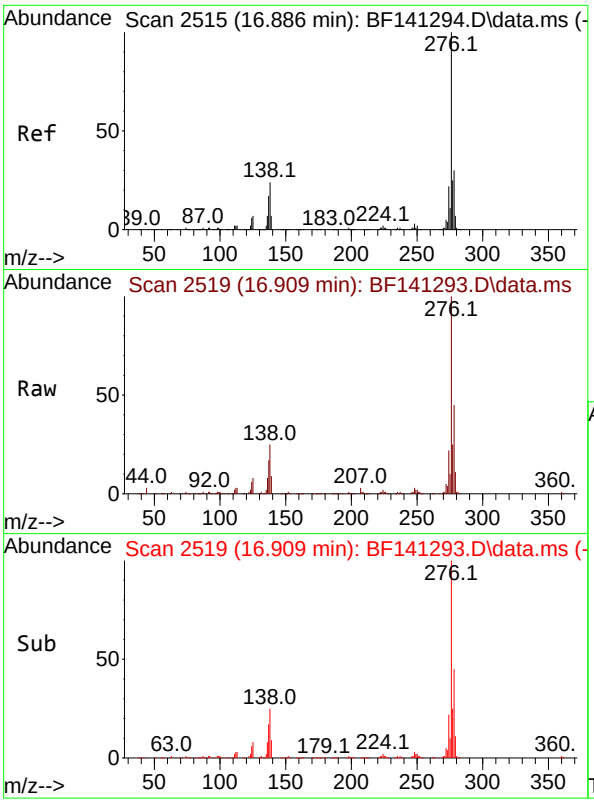


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:264 Resp: 289582

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.8	16.7	25.1

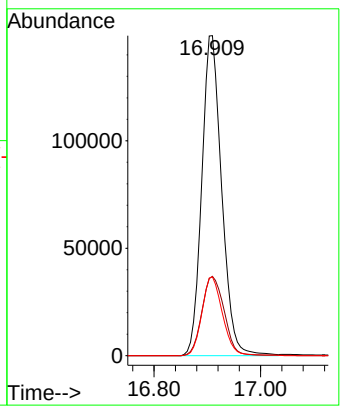




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.466 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 38708

Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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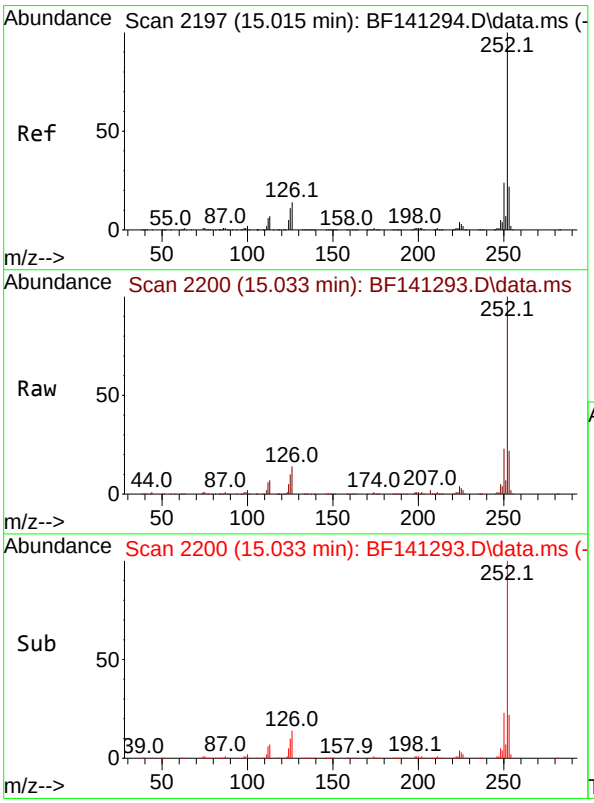
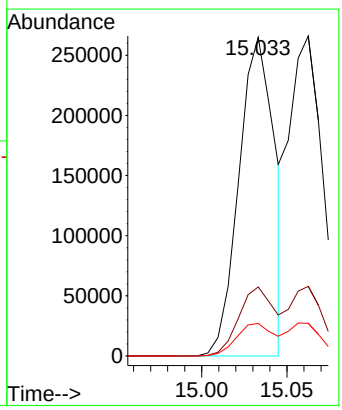
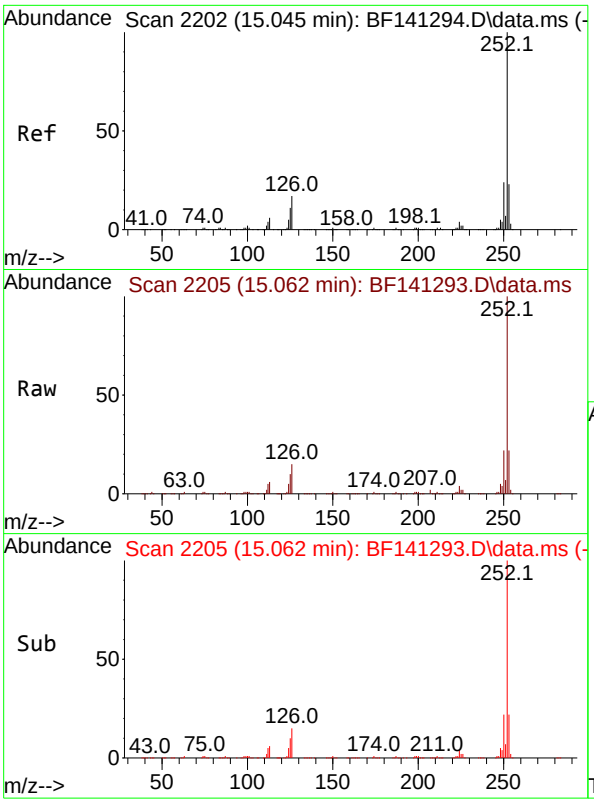


#88
Benzo(b)fluoranthene
Concen: 21.383 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 384557

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	10.2	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 22.900 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

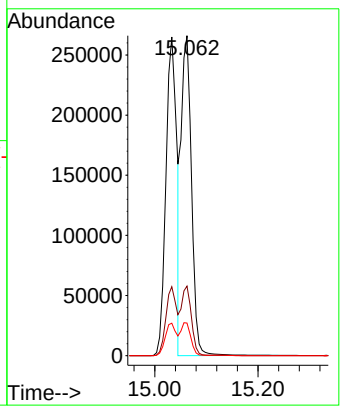
Tgt Ion:252 Resp: 36880

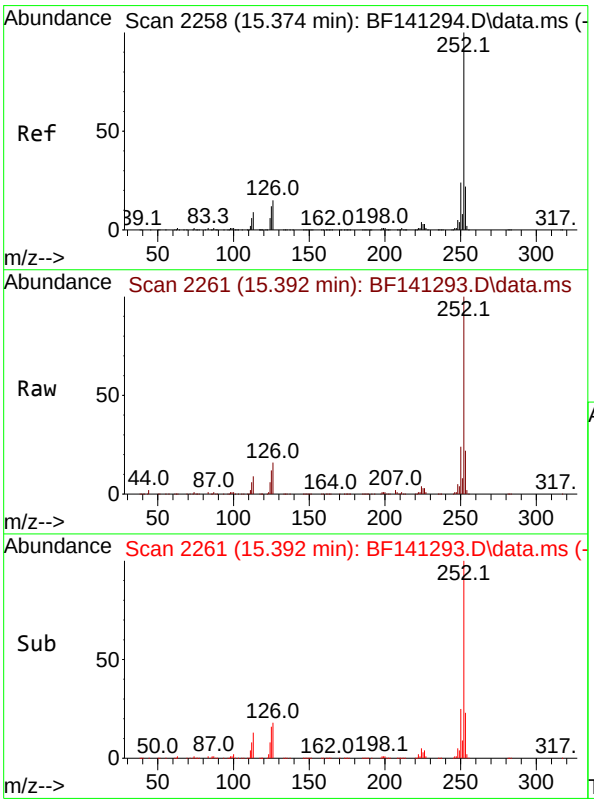
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.2	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

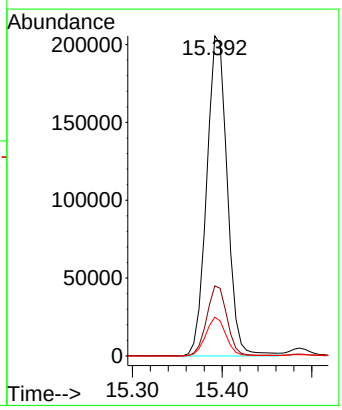


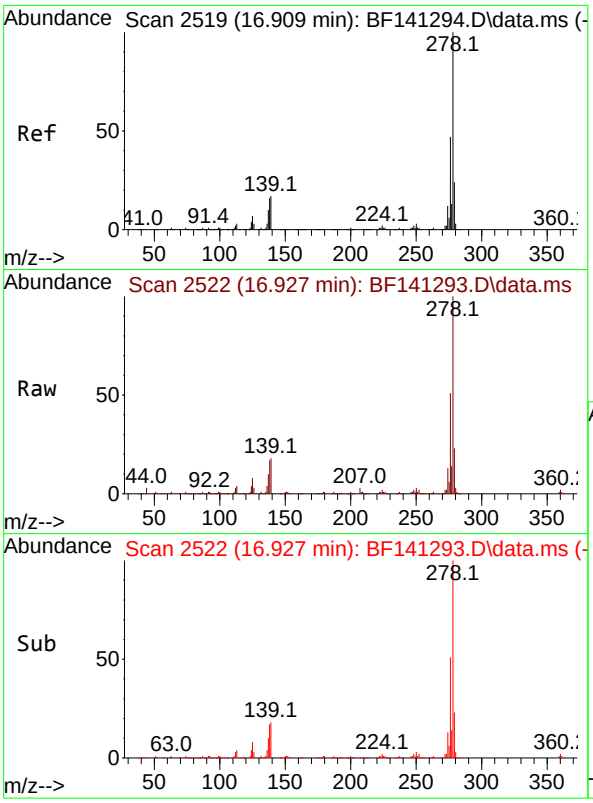


#90
Benzo(a)pyrene
Concen: 21.317 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 327630

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	12.1	9.4	14.2

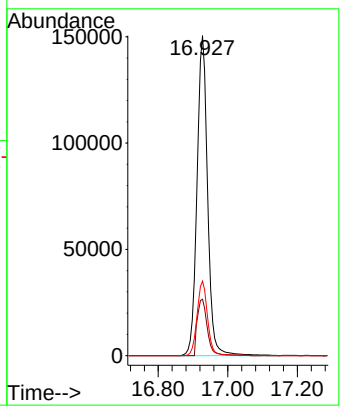




#91
Dibenzo(a,h)anthracene
Concen: 21.026 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:278 Resp: 31877

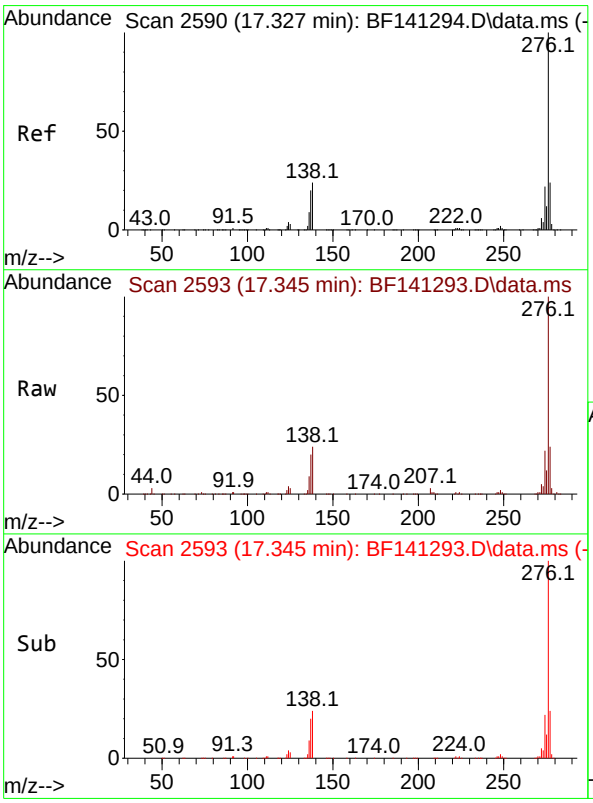
Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.9	20.9
279	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

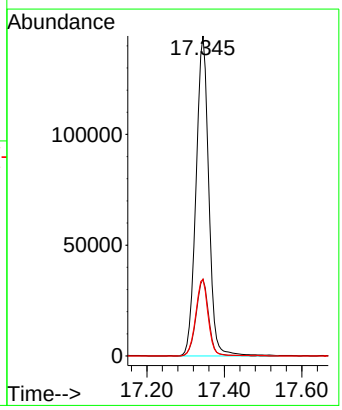
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 20.684 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 329876

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.9	19.0	28.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136511	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	282995	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	458392	20.000	ng	0.00
76) Chrysene-d12	13.968	240	260600	20.000	ng	0.00
86) Perylene-d12	15.439	264	279417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	655671	74.279	ng	0.00
7) Phenol-d6	6.428	99	829746	73.753	ng	0.00
23) Nitrobenzene-d5	7.363	82	755539	74.958	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	195693	75.888	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1339709	73.029	ng	0.00
79) Terphenyl-d14	12.916	244	1232977	72.802	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	146751	37.453	ng	100
3) Pyridine	3.216	79	360381	38.457	ng	100
4) n-Nitrosodimethylamine	3.169	42	205026	38.203	ng	100
6) Aniline	6.463	93	371145	39.471	ng	100
8) 2-Chlorophenol	6.581	128	354141	37.357	ng	100
9) Benzaldehyde	6.345	77	244365	37.402	ng	100
10) Phenol	6.439	94	448441	37.678	ng	100
11) bis(2-Chloroethyl)ether	6.534	93	336429	36.754	ng	100
12) 1,3-Dichlorobenzene	6.739	146	390276	37.328	ng	100
13) 1,4-Dichlorobenzene	6.816	146	390834	37.119	ng	100
14) 1,2-Dichlorobenzene	6.969	146	365173	37.114	ng	100
15) Benzyl Alcohol	6.939	79	295478	38.445	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	597590	37.578	ng	100
17) 2-Methylphenol	7.051	107	284578	37.077	ng	100
18) Hexachloroethane	7.310	117	144619	37.124	ng	100
19) n-Nitroso-di-n-propyla...	7.210	70	244379	36.524	ng	100
20) 3+4-Methylphenols	7.204	107	351248	37.222	ng	100
22) Acetophenone	7.210	105	465165	36.793	ng	100
24) Nitrobenzene	7.381	77	396149	37.893	ng	100
25) Isophorone	7.622	82	651994	37.429	ng	100
26) 2-Nitrophenol	7.698	139	188435	38.483	ng	100
27) 2,4-Dimethylphenol	7.733	122	239376	38.255	ng	100
28) bis(2-Chloroethoxy)met...	7.833	93	414781	37.367	ng	100
29) 2,4-Dichlorophenol	7.939	162	288763	37.768	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	323865	36.932	ng	100
31) Naphthalene	8.104	128	1041107	37.116	ng	100
32) Benzoic acid	7.845	122	235596	41.459	ng	100
33) 4-Chloroaniline	8.151	127	361001	38.313	ng	100
34) Hexachlorobutadiene	8.222	225	190772	37.169	ng	100
35) Caprolactam	8.516	113	94819	38.342	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	305768	37.262	ng	100
37) 2-Methylnaphthalene	8.792	142	666038	37.286	ng	100
38) 1-Methylnaphthalene	8.892	142	646346	36.938	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	302471	37.591	ng	100
41) Hexachlorocyclopentadiene	8.945	237	97299	40.295	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	205797	39.181	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	213401	37.346	ng	100
46) 1,1'-Biphenyl	9.257	154	823004	37.278	ng	100
47) 2-Chloronaphthalene	9.280	162	634814	37.020	ng	100
48) 2-Nitroaniline	9.380	65	205997	38.089	ng	100
49) Acenaphthylene	9.698	152	902715	37.483	ng	100
50) Dimethylphthalate	9.563	163	701107	36.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	167409	37.909	ng	100
52) Acenaphthene	9.869	154	638597	37.266	ng	100
53) 3-Nitroaniline	9.792	138	171409	39.240	ng	100
54) 2,4-Dinitrophenol	9.898	184	83282	40.011	ng	100
55) Dibenzofuran	10.045	168	859175	37.490	ng	100
56) 4-Nitrophenol	9.945	139	126536	40.349	ng	100
57) 2,4-Dinitrotoluene	10.027	165	218627	38.382	ng	100
58) Fluorene	10.386	166	660612	37.076	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	172174	38.138	ng	100
60) Diethylphthalate	10.263	149	693066	37.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	321112	36.929	ng	100
62) 4-Nitroaniline	10.404	138	164154	39.120	ng	100
63) Azobenzene	10.539	77	693050	37.621	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	114735	41.914	ng	100
66) n-Nitrosodiphenylamine	10.498	169	573712	38.602	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	198895	38.815	ng	100
68) Hexachlorobenzene	10.933	284	209735	38.586	ng	100
69) Atrazine	11.027	200	195062	39.131	ng	100
70) Pentachlorophenol	11.127	266	131295	41.196	ng	100
71) Phenanthrene	11.351	178	940021	38.175	ng	100
72) Anthracene	11.404	178	925244	38.521	ng	100
73) Carbazole	11.557	167	824095	38.735	ng	100
74) Di-n-butylphthalate	11.892	149	995172	38.805	ng	100
75) Fluoranthene	12.539	202	928946	38.650	ng	100
77) Benzidine	12.663	184	380623	48.034	ng	100
78) Pyrene	12.768	202	914205	36.333	ng	100
80) Butylbenzylphthalate	13.392	149	326158	37.532	ng	100
81) Benzo(a)anthracene	13.957	228	661997	37.062	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	217856	38.953	ng	100
83) Chrysene	13.998	228	591939	35.738	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	409365	37.540	ng	100
85) Di-n-octyl phthalate	14.586	149	640977	37.578	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	702692	38.503	ng	100
88) Benzo(b)fluoranthene	15.015	252	625758	36.061	ng	100
89) Benzo(k)fluoranthene	15.045	252	605401	38.959	ng	100
90) Benzo(a)pyrene	15.374	252	564975	38.096	ng	100
91) Dibenzo(a,h)anthracene	16.909	278	567762	38.812	ng	100
92) Benzo(g,h,i)perylene	17.327	276	582768	37.870	ng	100

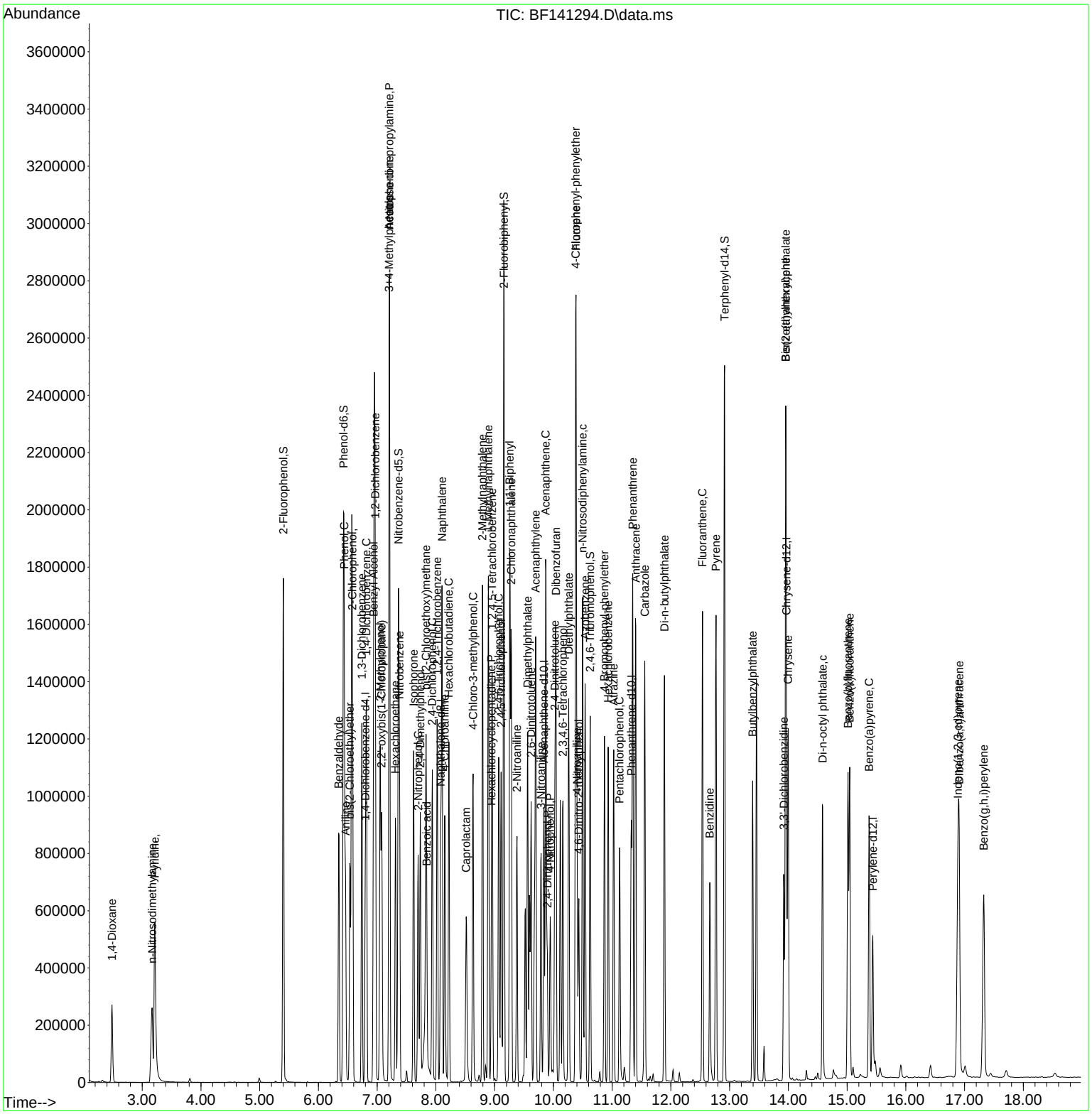
(#) = qualifier out of range (m) = manual integration (+) = signals summed

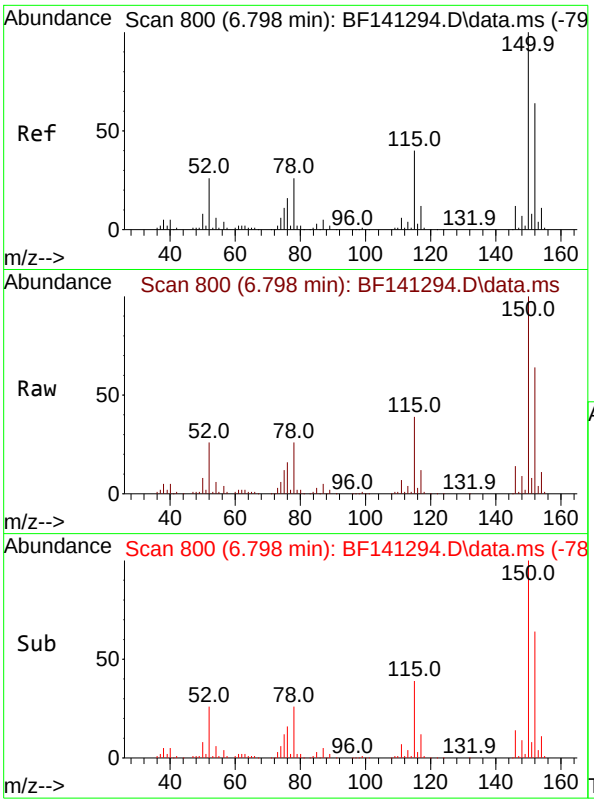
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



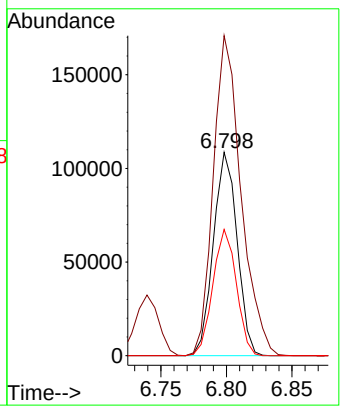


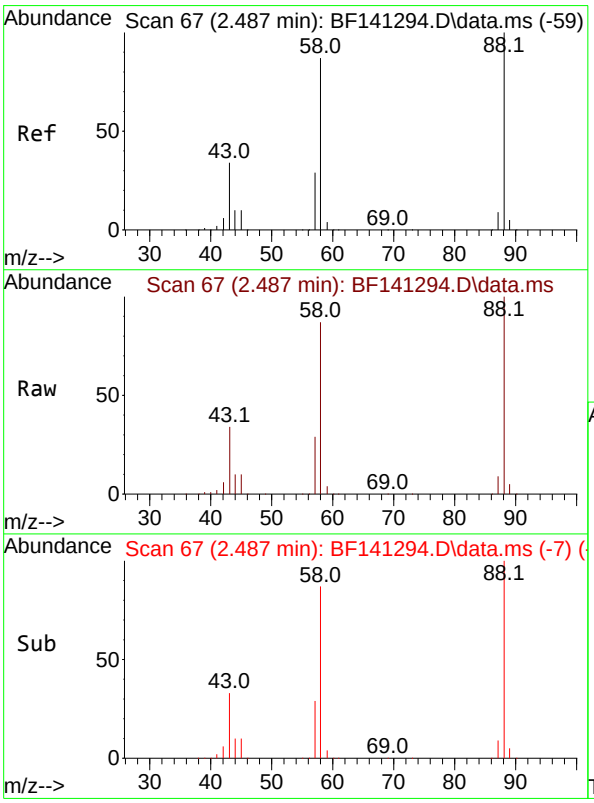
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 136511

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	62.1	49.7	74.5

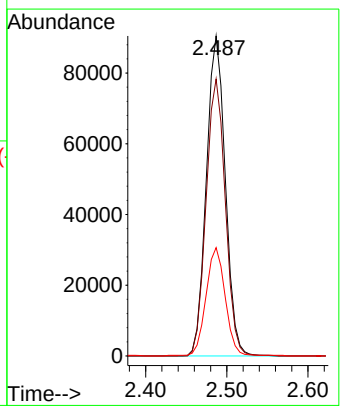


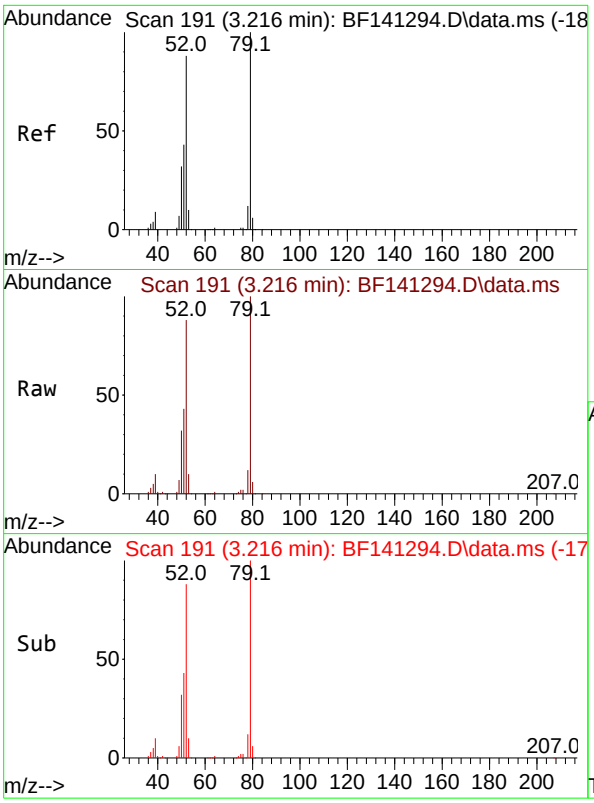


#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 88 Resp: 146751

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.2	105.4
43	34.5	27.6	41.4



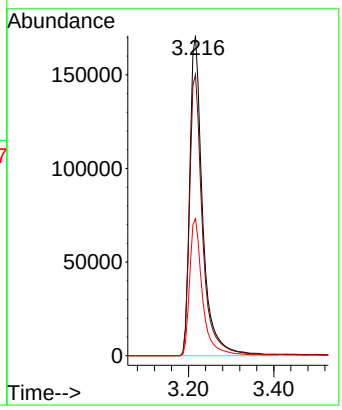


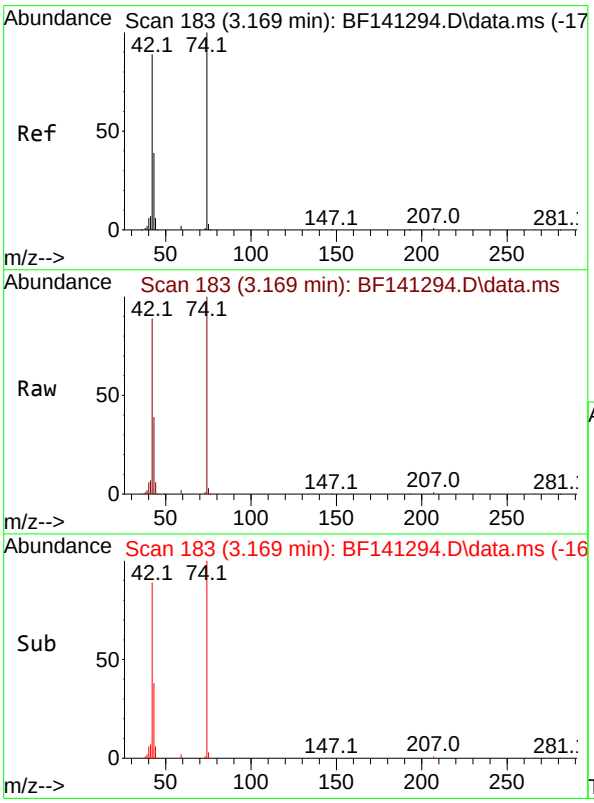
#3
Pyridine
Concen: 38.457 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 360381

Ion	Ratio	Lower	Upper
79	100		
52	87.9	70.3	105.5
51	42.9	34.3	51.5

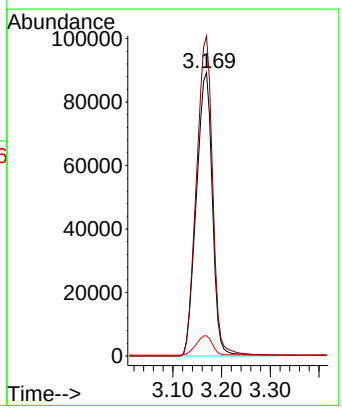


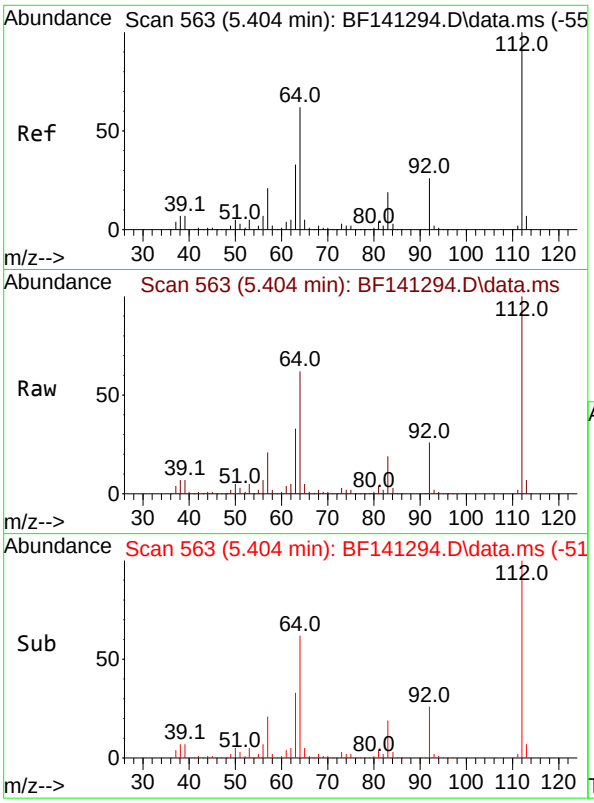


#4
n-Nitrosodimethylamine
Concen: 38.203 ng
RT: 3.169 min Scan# 183
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 42 Resp: 205026

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.3	135.5
44	7.1	5.7	8.5



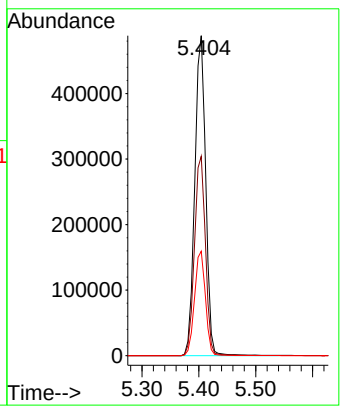


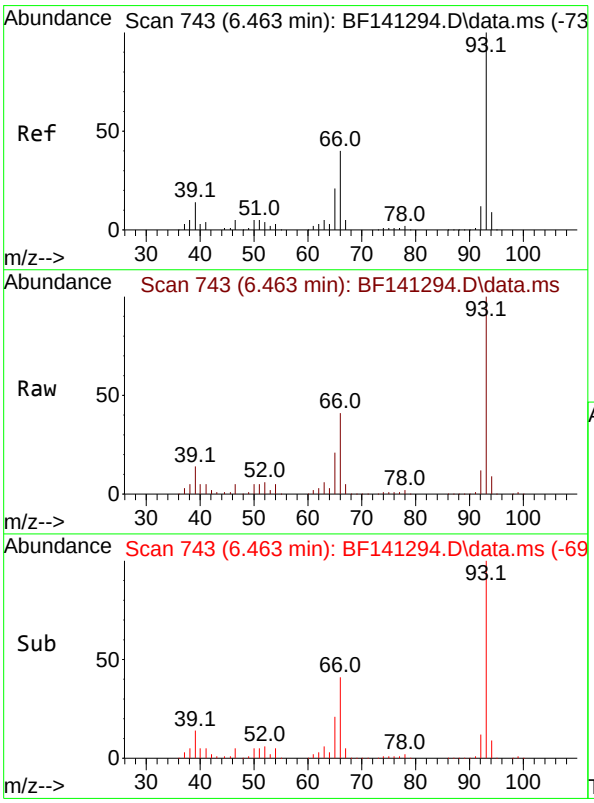
#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 655671

Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.8	74.8
63	32.6	26.1	39.1

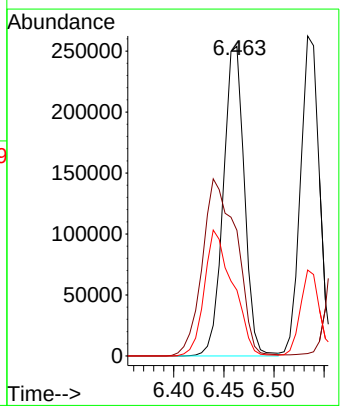


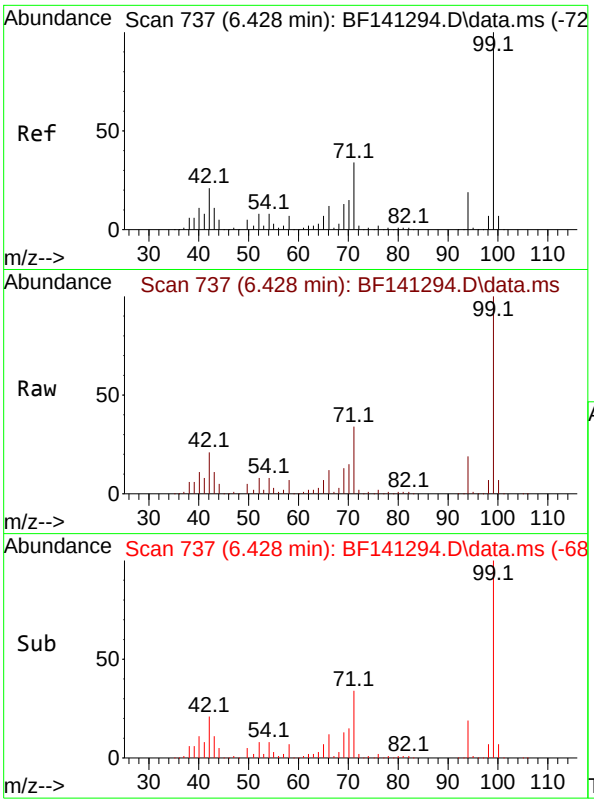


#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 371145

Ion	Ratio	Lower	Upper
93	100		
66	40.6	32.5	48.7
65	21.3	17.0	25.6



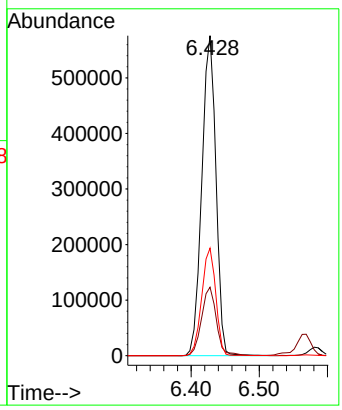


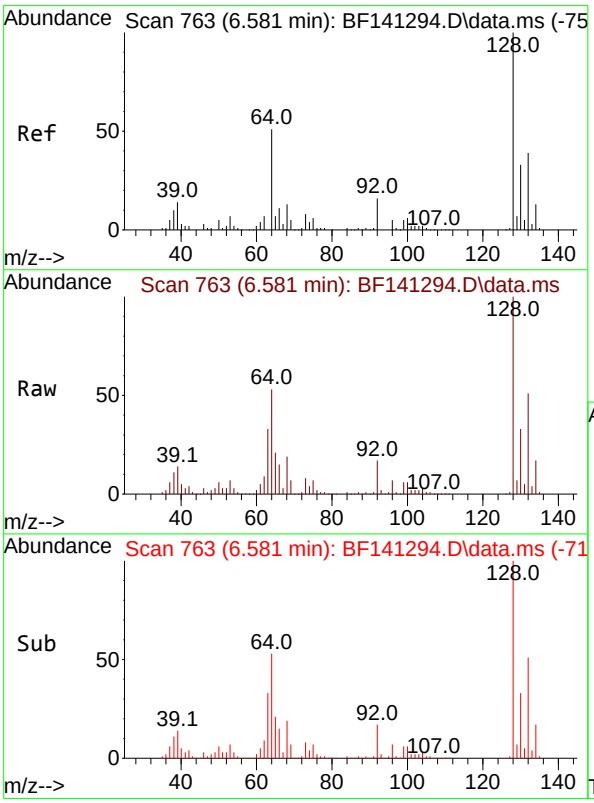
#7
Phenol-d6
Concen: 73.753 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 829746

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	33.6	26.9	40.3

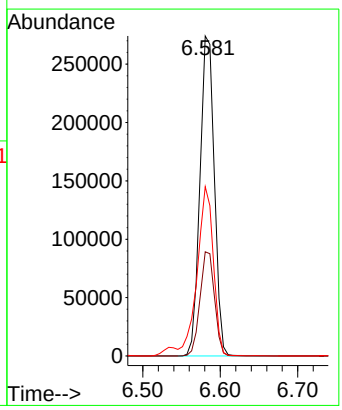


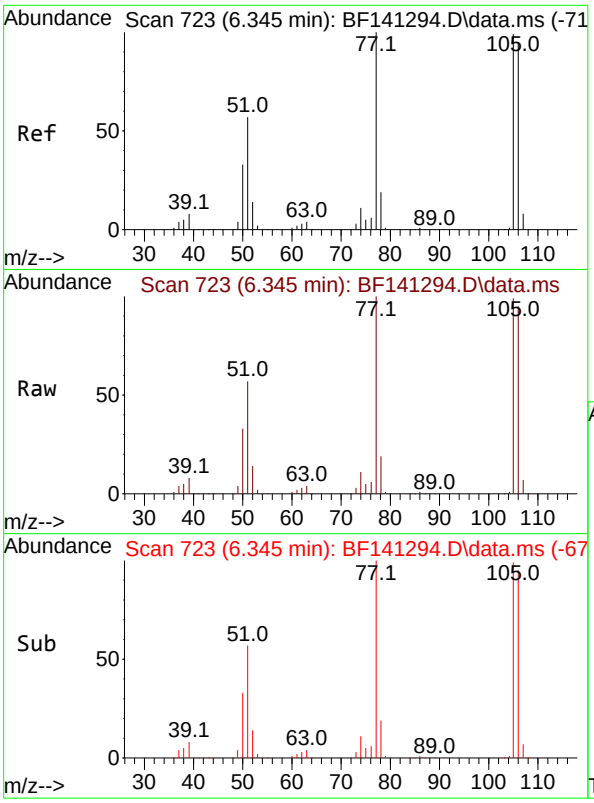


#8
2-Chlorophenol
Concen: 37.357 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:128 Resp: 354141

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	52.9	32.9	72.9



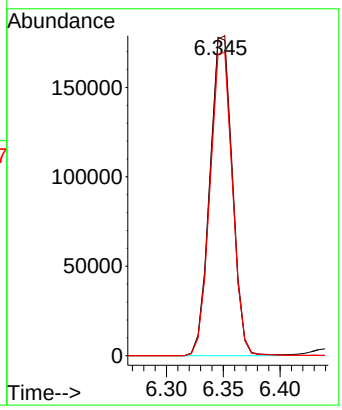


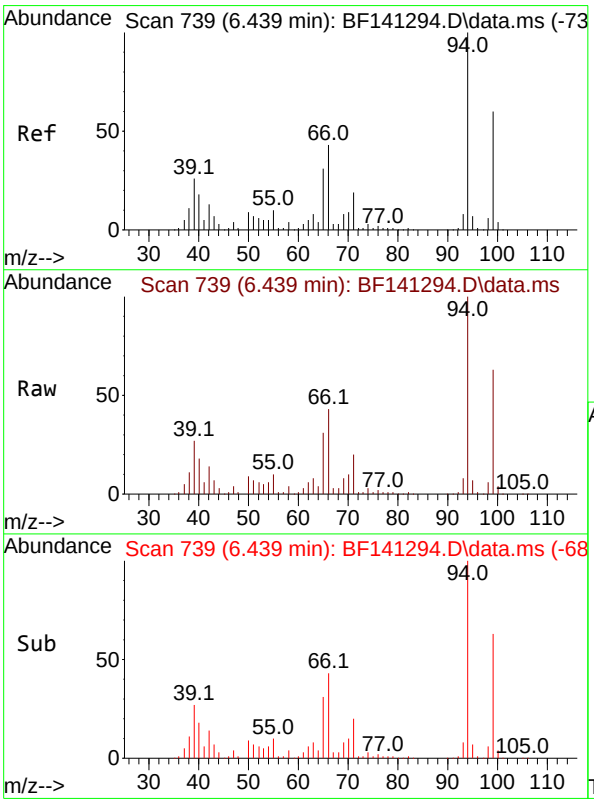
#9
Benzaldehyde
Concen: 37.402 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 244365

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.4	119.4
106	94.6	74.6	114.6

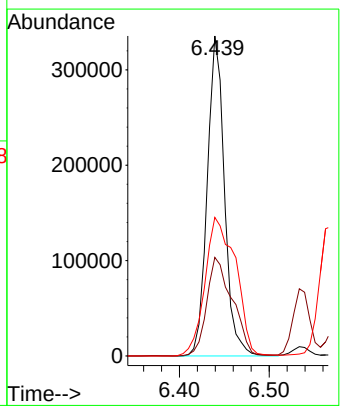


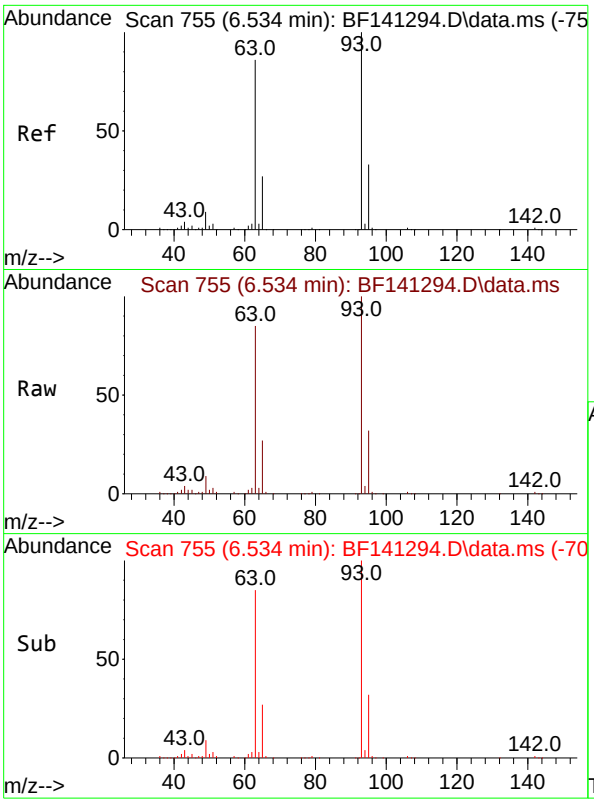


#10
Phenol
Concen: 37.678 ng
RT: 6.439 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 94 Resp: 448441

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	43.3	23.3	63.3



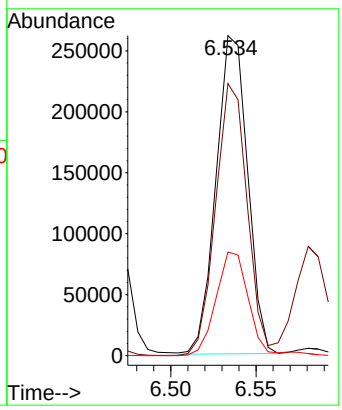


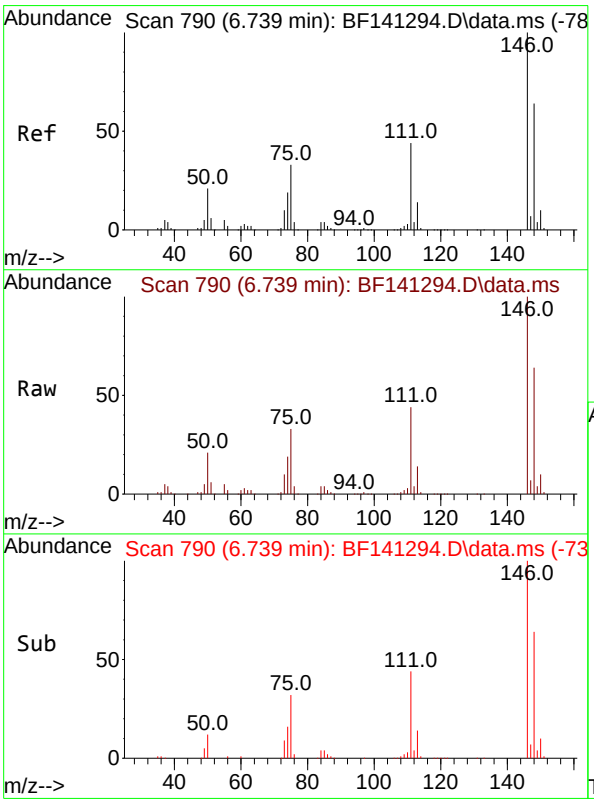
#11
bis(2-Chloroethyl)ether
Concen: 36.754 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 336429

Ion	Ratio	Lower	Upper
93	100		
63	85.0	65.0	105.0
95	32.4	12.4	52.4

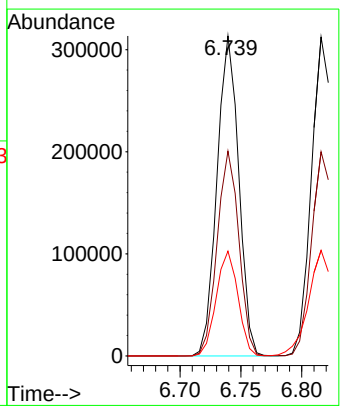


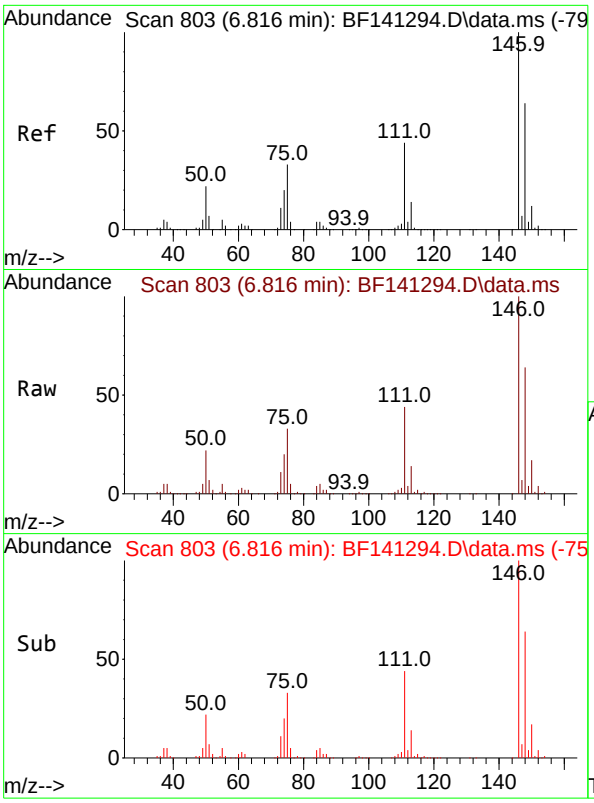


#12
1,3-Dichlorobenzene
Concen: 37.328 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:146 Resp: 390276

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	32.8	26.2	39.4



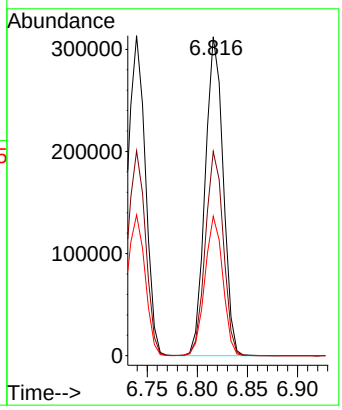


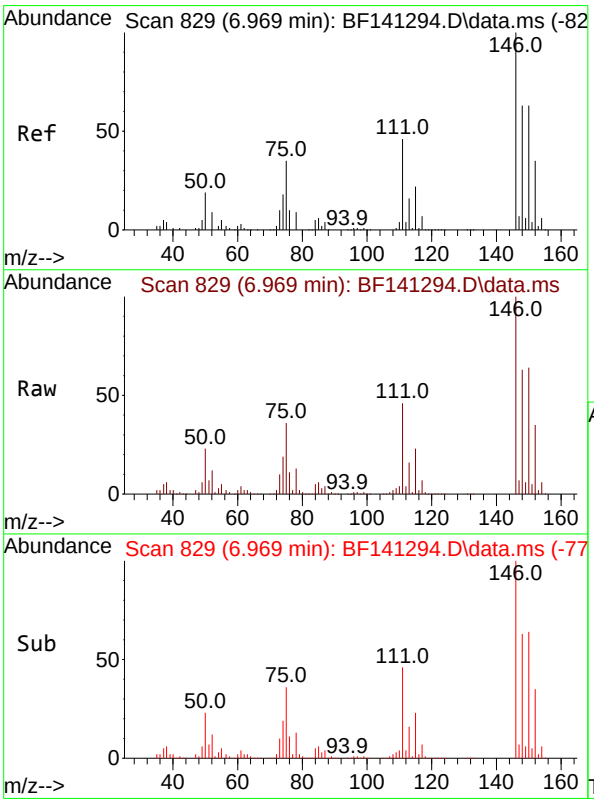
#13
1,4-Dichlorobenzene
Concen: 37.119 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 390834

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	43.7	35.0	52.4

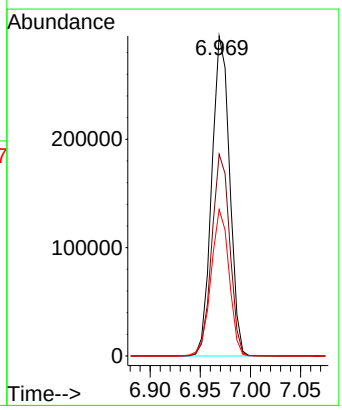


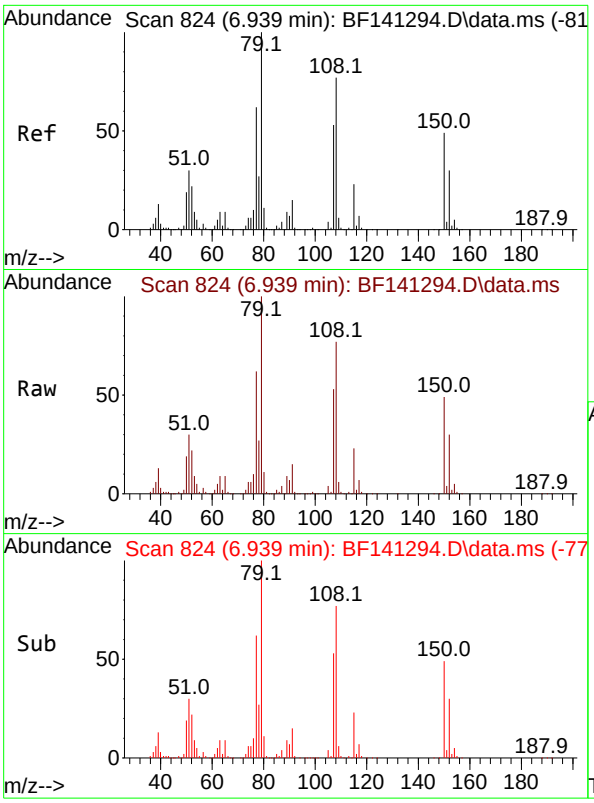


#14
1,2-Dichlorobenzene
Concen: 37.114 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:146 Resp: 365173

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	45.8	36.6	55.0



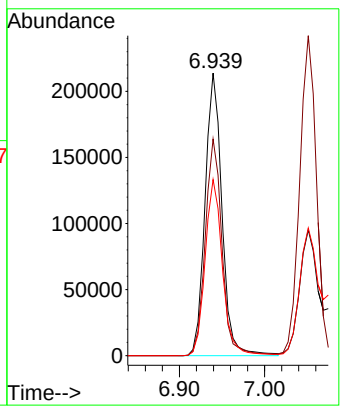


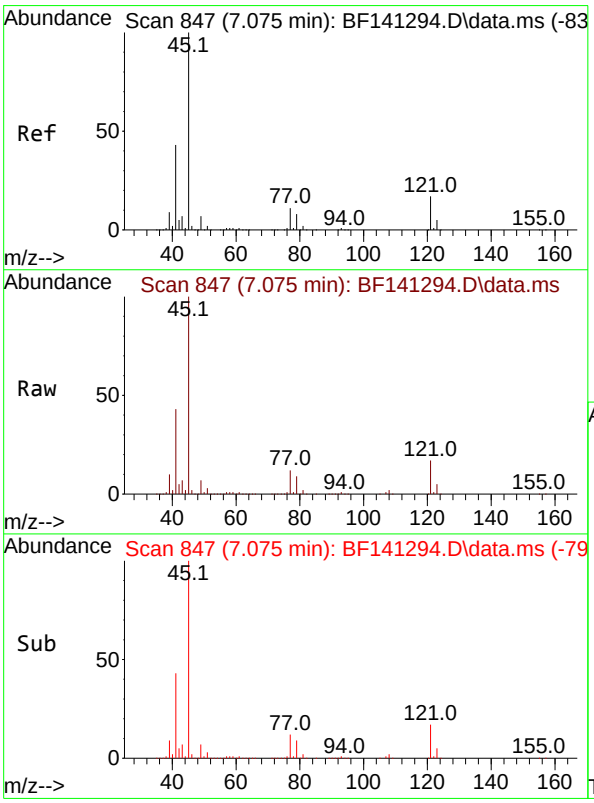
#15
Benzyl Alcohol
Concen: 38.445 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 295478

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.4	92.0
77	62.4	49.9	74.9

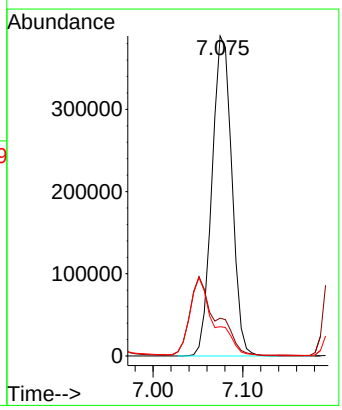


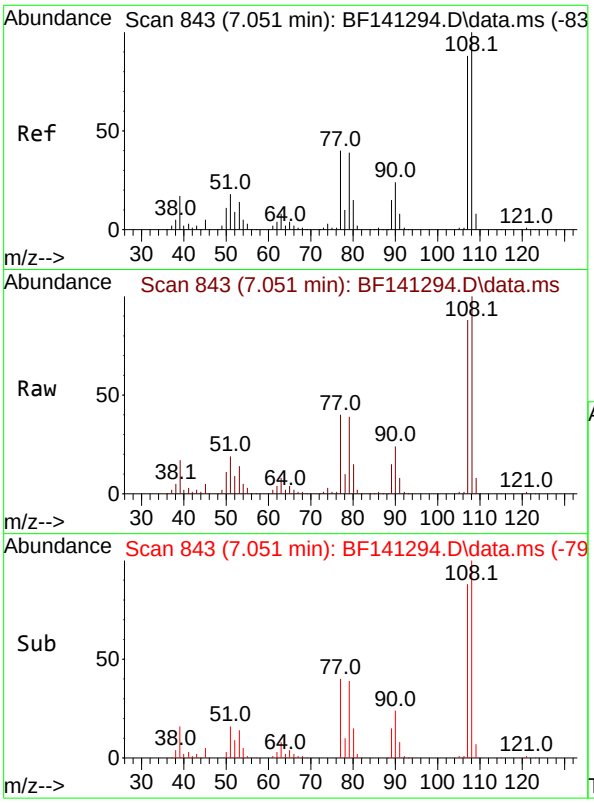


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.578 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 45 Resp: 597590

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.1	0.0	29.1



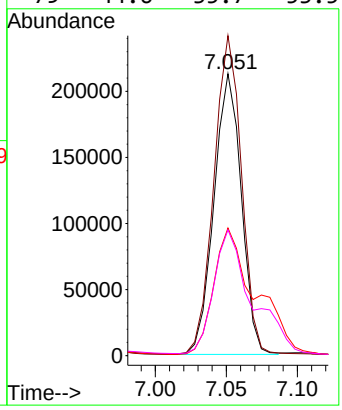


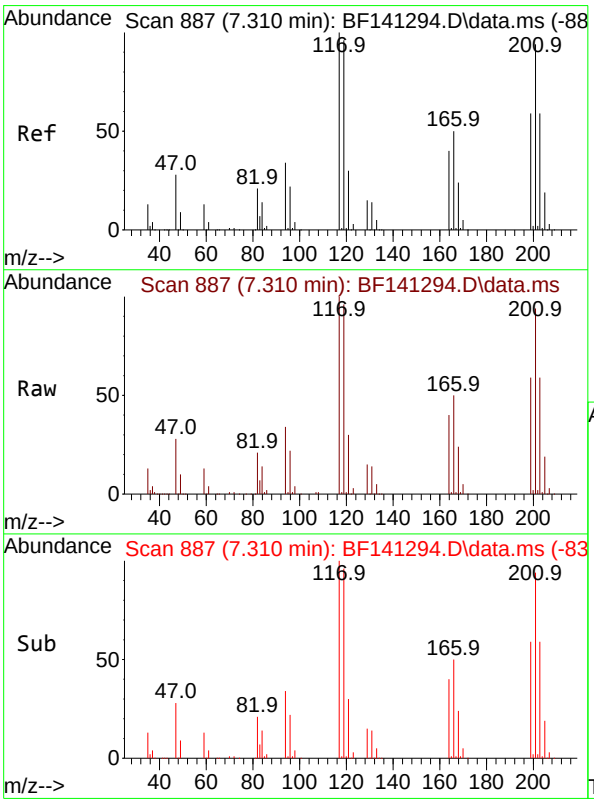
#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 284578

Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.8	136.2
77	45.3	36.2	54.4
79	44.6	35.7	53.5

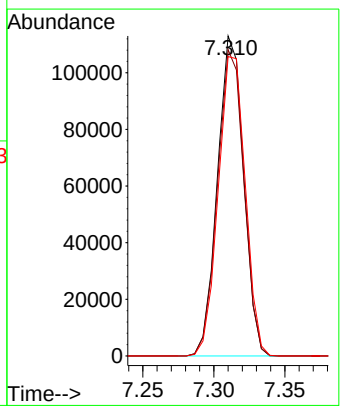


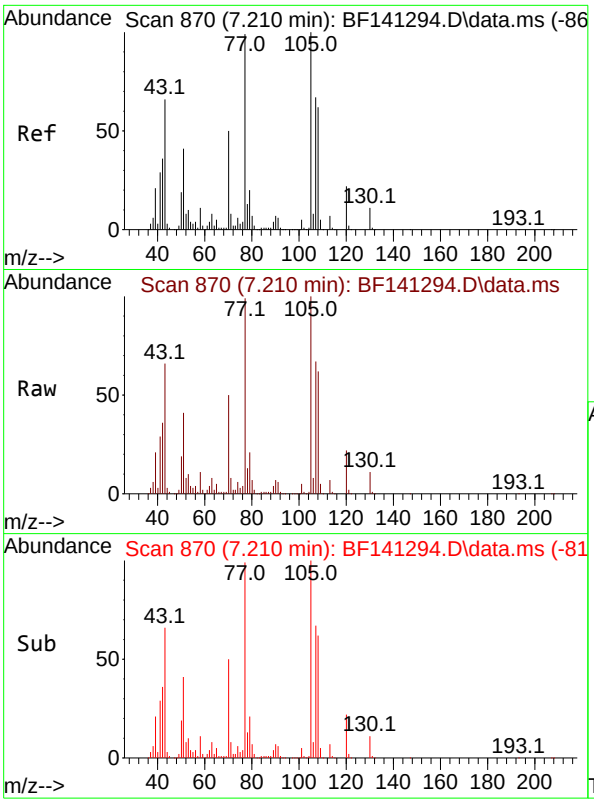


#18
Hexachloroethane
Concen: 37.124 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:117 Resp: 144619

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	93.5	74.8	112.2



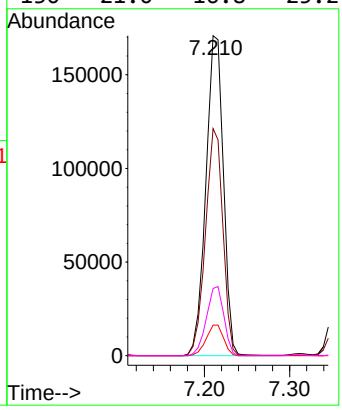


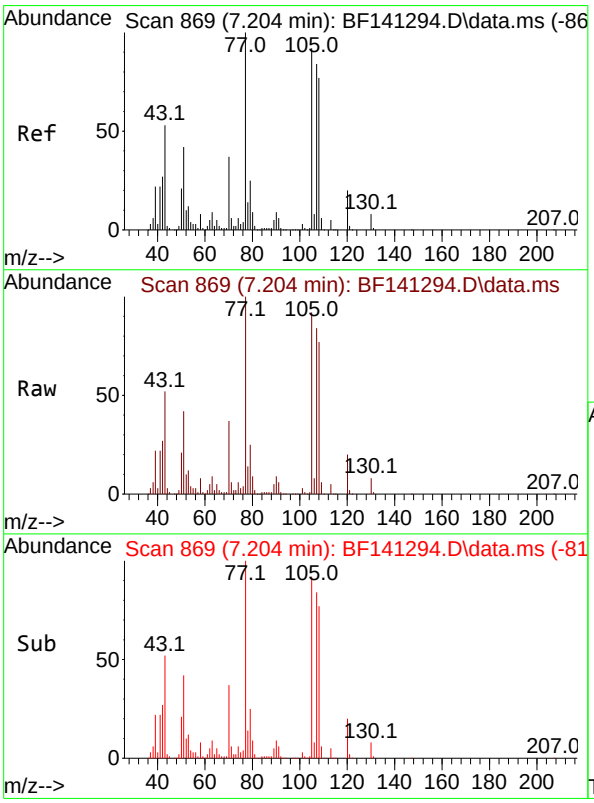
#19
n-Nitroso-di-n-propylamine
Concen: 36.524 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 244379

Ion	Ratio	Lower	Upper
70	100		
42	71.0	56.8	85.2
101	9.6	7.7	11.5
130	21.0	16.8	25.2

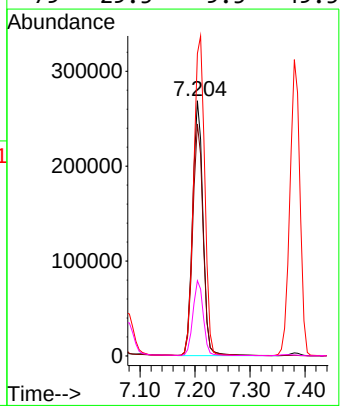


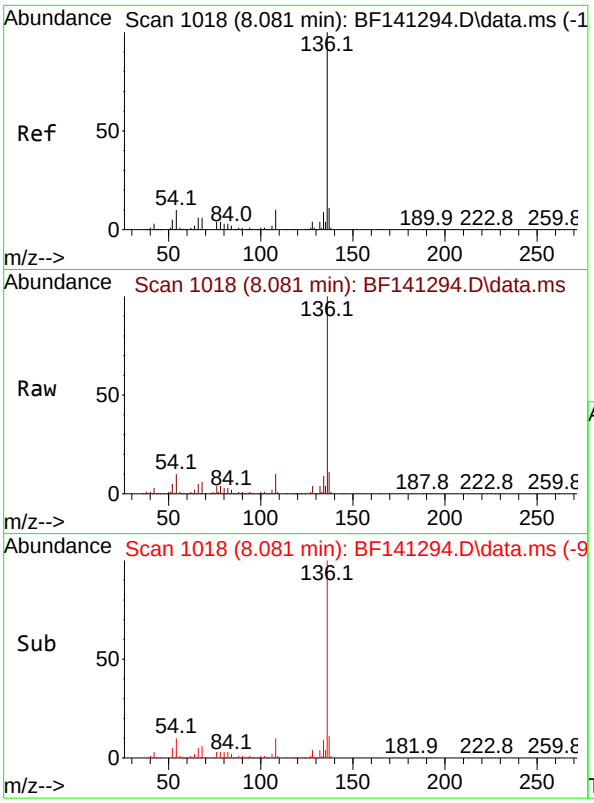


#20
3+4-Methylphenols
Concen: 37.222 ng
RT: 7.204 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 351248

Ion	Ratio	Lower	Upper
107	100		
108	90.9	70.9	110.9
77	118.5	98.5	138.5
79	29.5	9.5	49.5



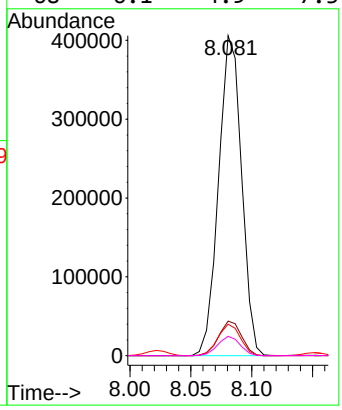


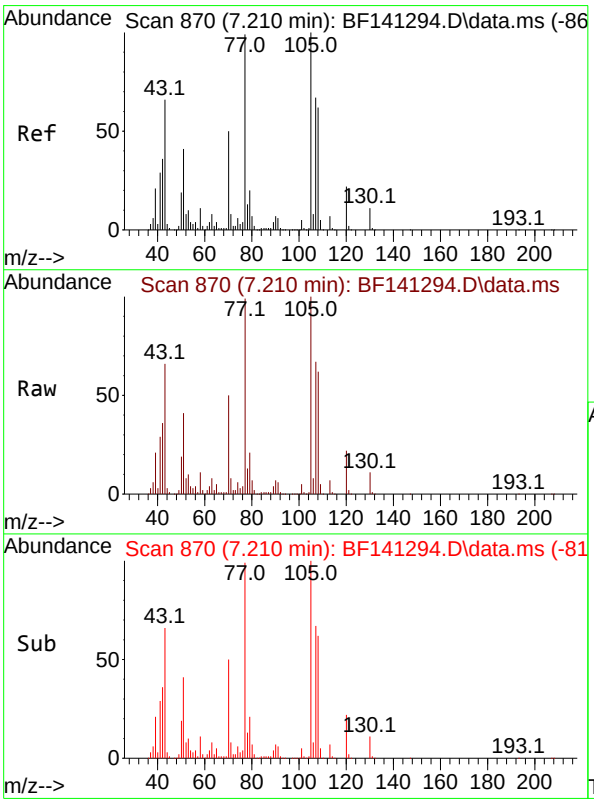
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 533326

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.8	7.8	11.8
68	6.1	4.9	7.3

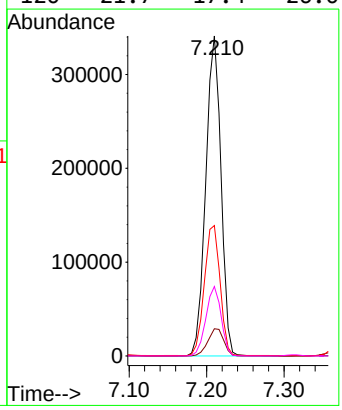


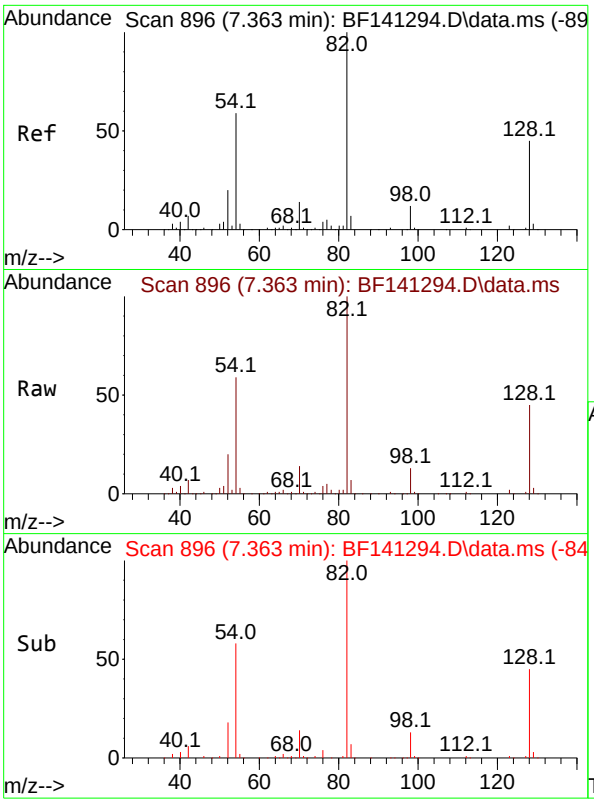


#22
Acetophenone
Concen: 36.793 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:105 Resp: 465165

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.8	10.2
51	40.8	32.6	49.0
120	21.7	17.4	26.0



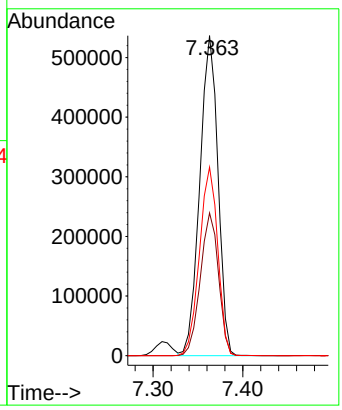


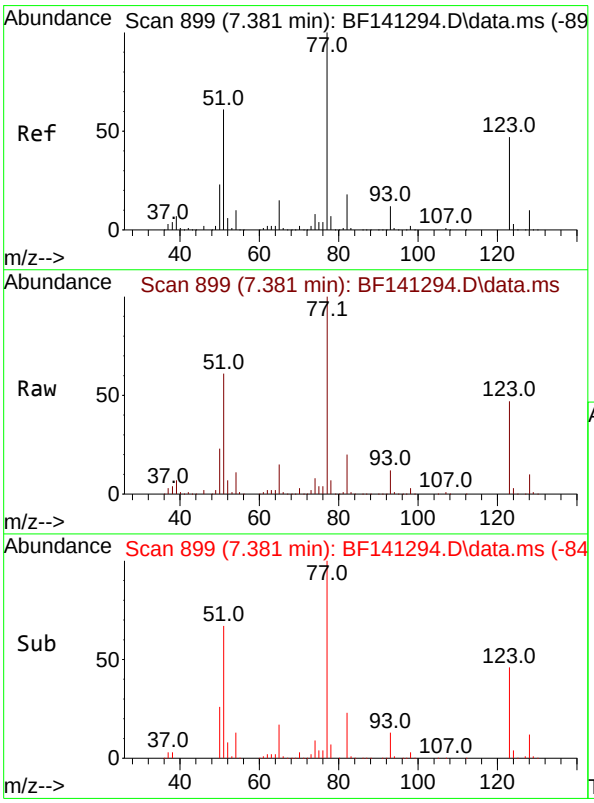
#23
Nitrobenzene-d5
Concen: 74.958 ng
RT: 7.363 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 755539

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.9	47.1	70.7

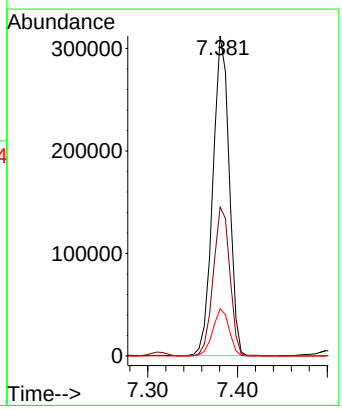


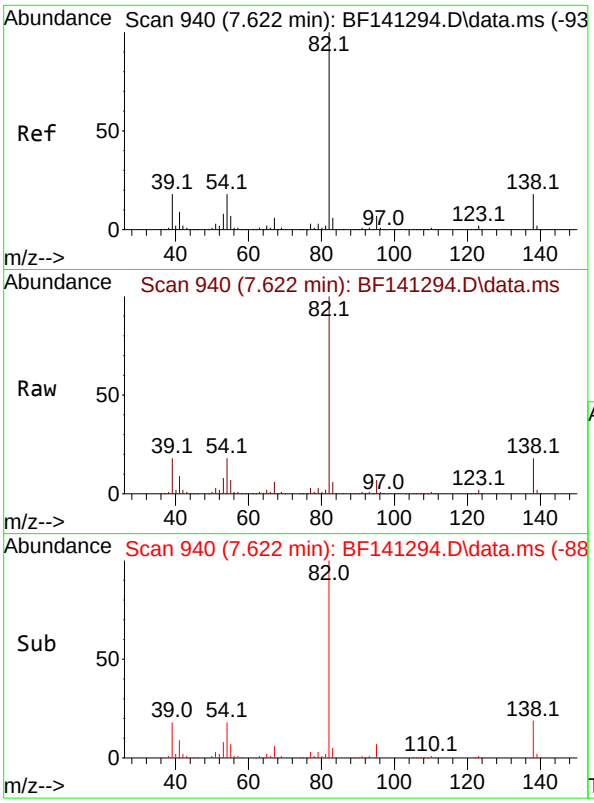


#24
Nitrobenzene
Concen: 37.893 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 77 Resp: 396149

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.7	11.8	17.6



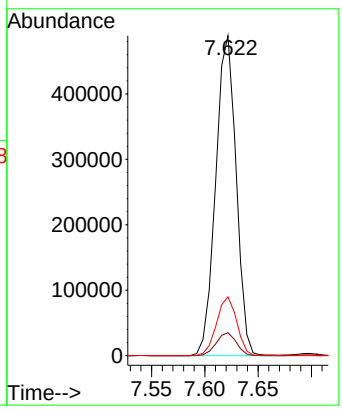


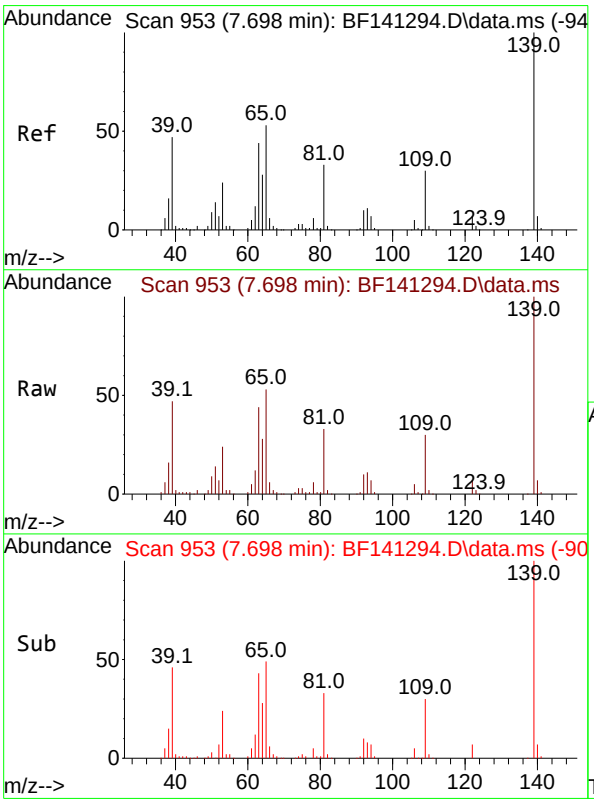
#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 651994

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	18.4	14.7	22.1

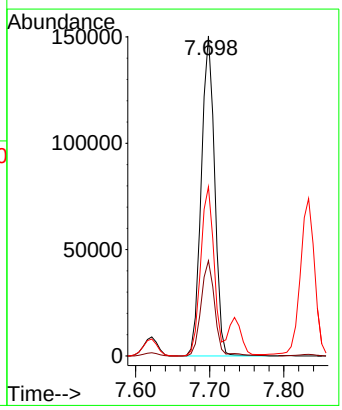


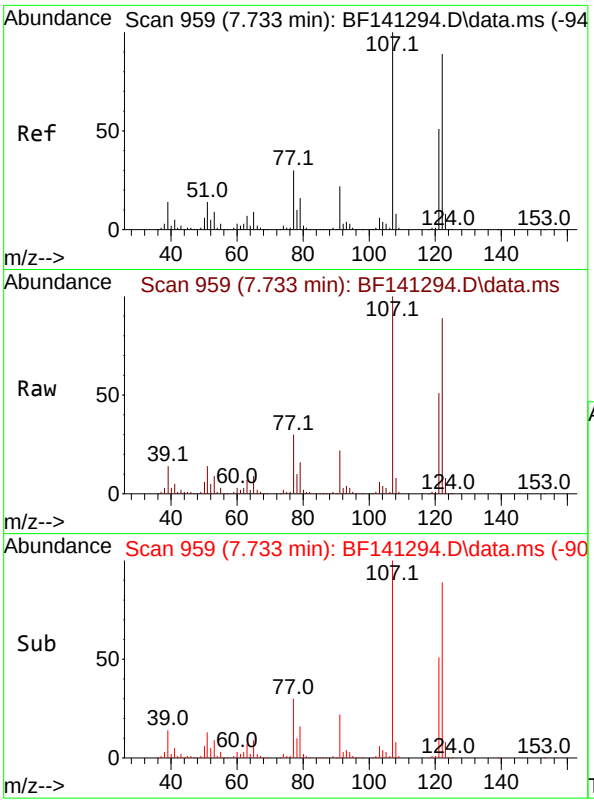


#26
2-Nitrophenol
Concen: 38.483 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:139 Resp: 188435

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.8	35.6
65	52.8	42.2	63.4



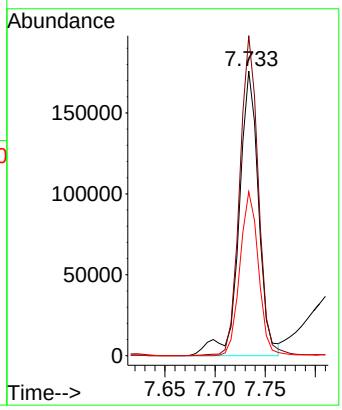


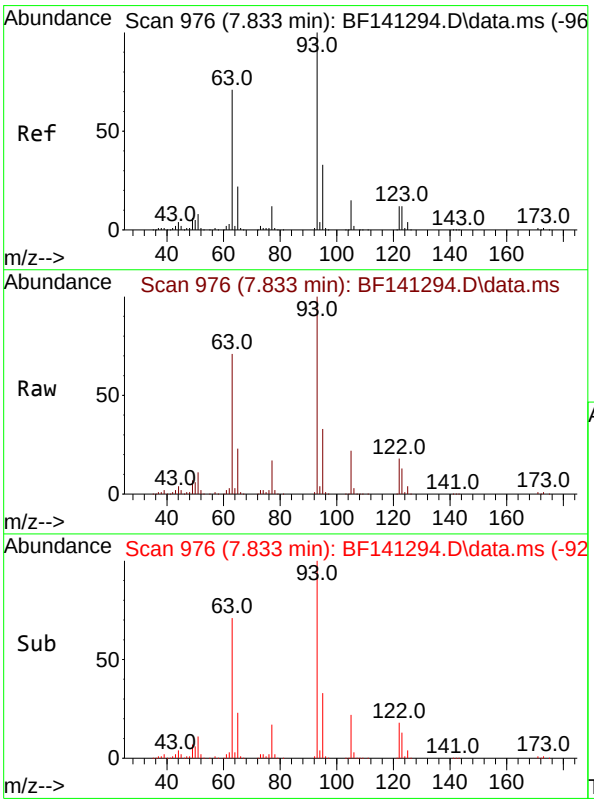
#27
2,4-Dimethylphenol
Concen: 38.255 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 239376

Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.9	134.9
121	57.6	46.1	69.1

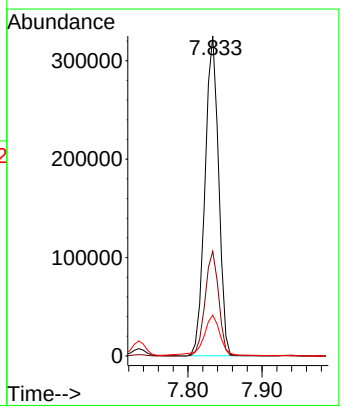


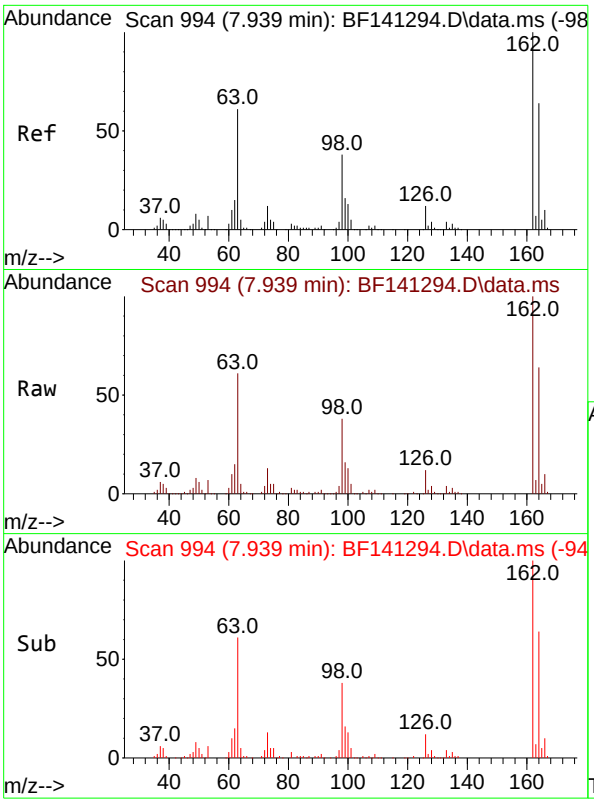


#28
bis(2-Chloroethoxy)methane
Concen: 37.367 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 414781

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.8	10.2	15.4



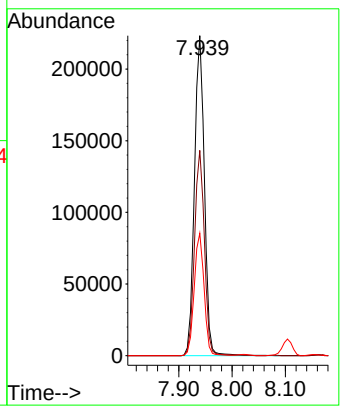


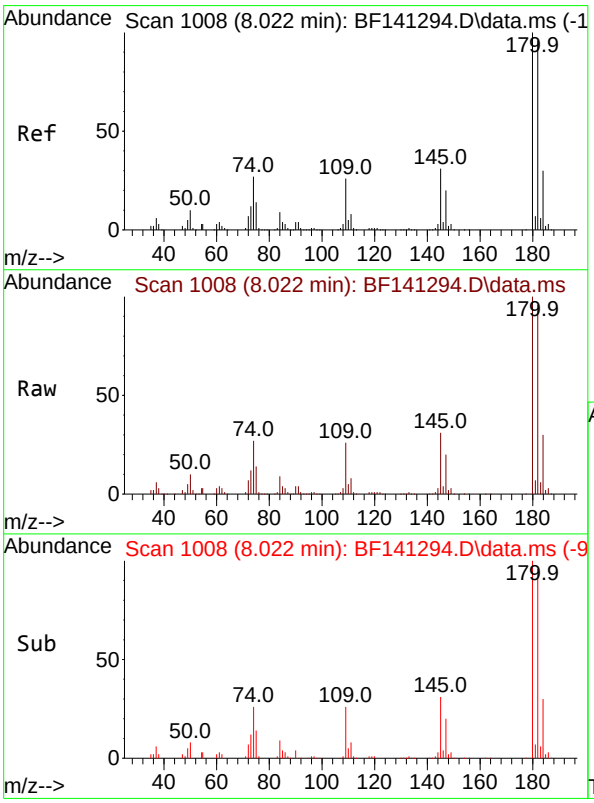
#29
2,4-Dichlorophenol
Concen: 37.768 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 288763

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	38.2	18.2	58.2

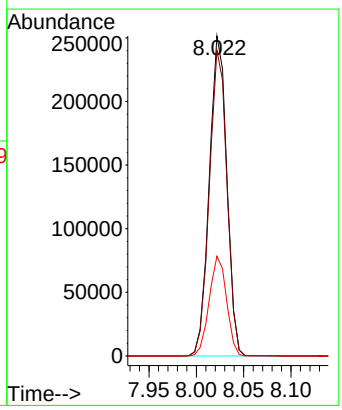


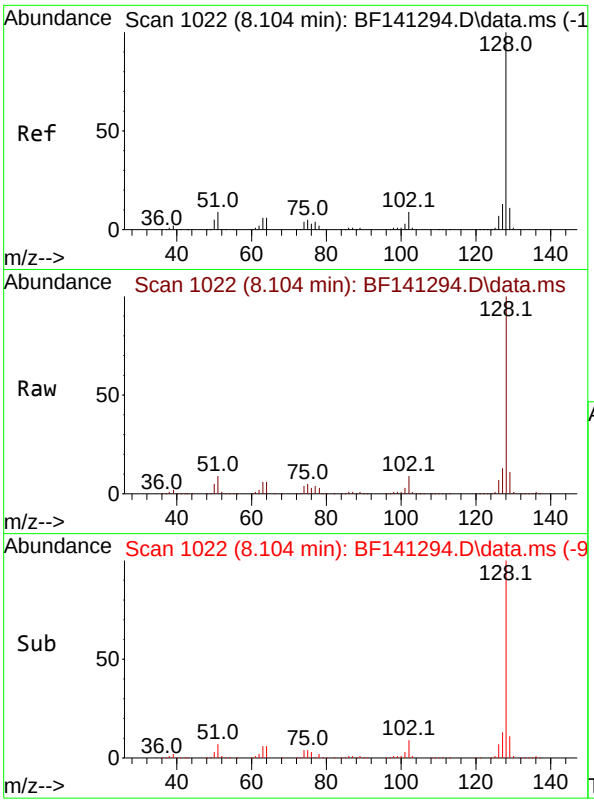


#30
1,2,4-Trichlorobenzene
Concen: 36.932 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:180 Resp: 323865

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	31.1	24.9	37.3



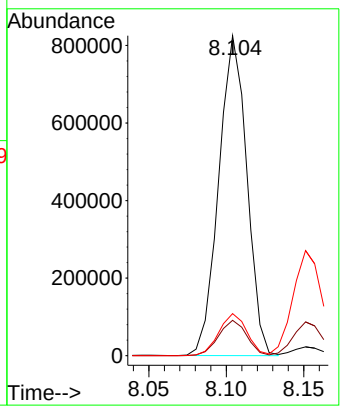


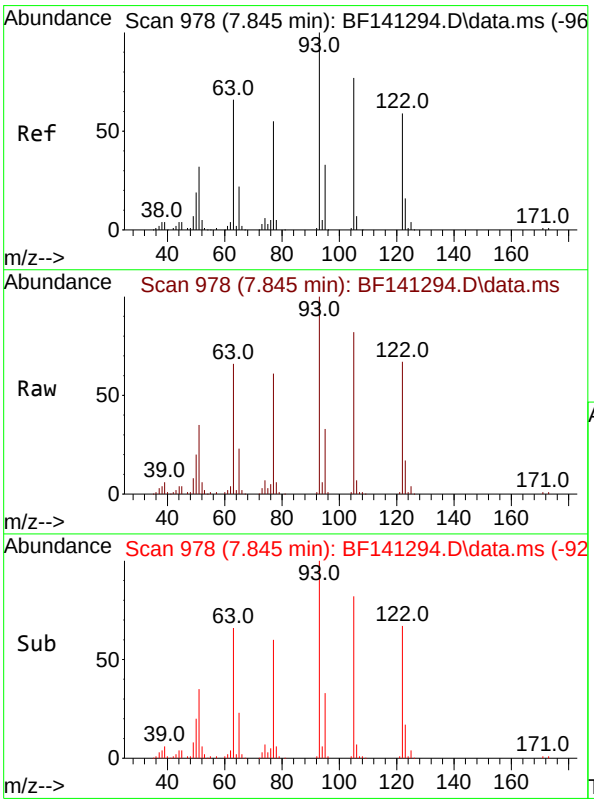
#31
Naphthalene
Concen: 37.116 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1041107

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8

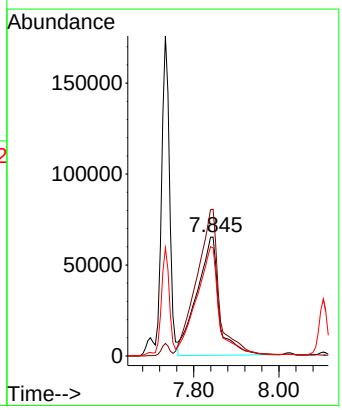


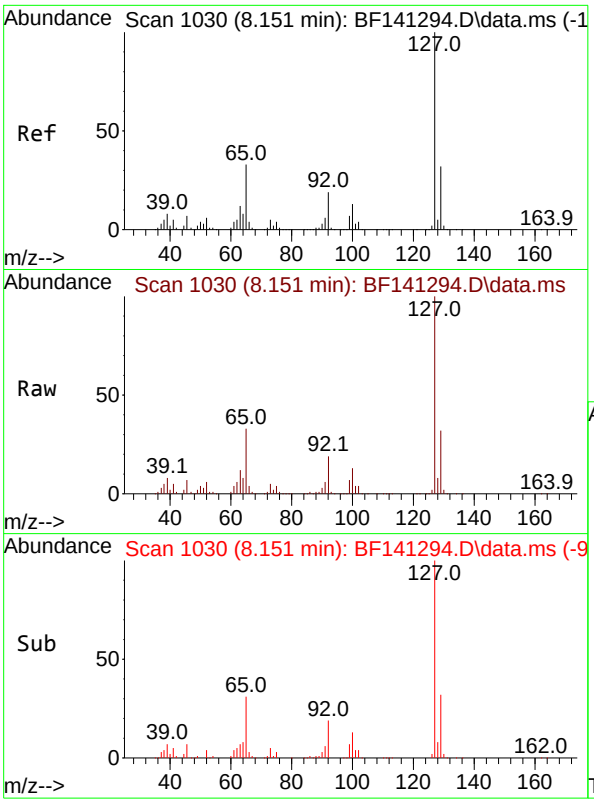


#32
Benzoic acid
Concen: 41.459 ng
RT: 7.845 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:122 Resp: 235596

Ion	Ratio	Lower	Upper
122	100		
105	123.4	103.4	143.4
77	90.9	70.9	110.9



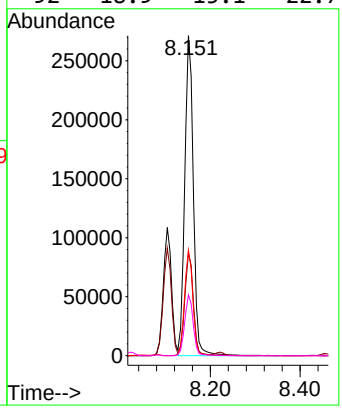


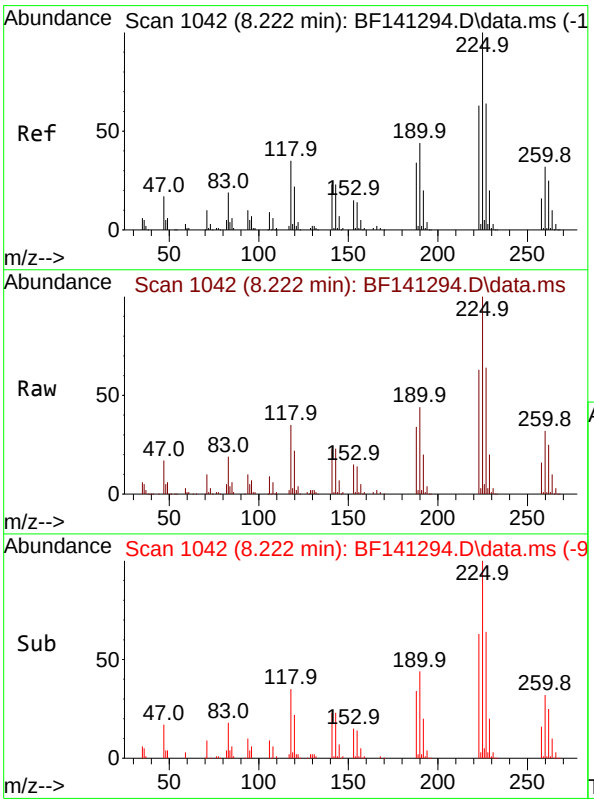
#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 361001

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	33.0	26.4	39.6
92	18.9	15.1	22.7

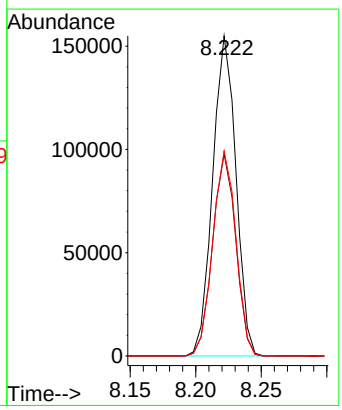


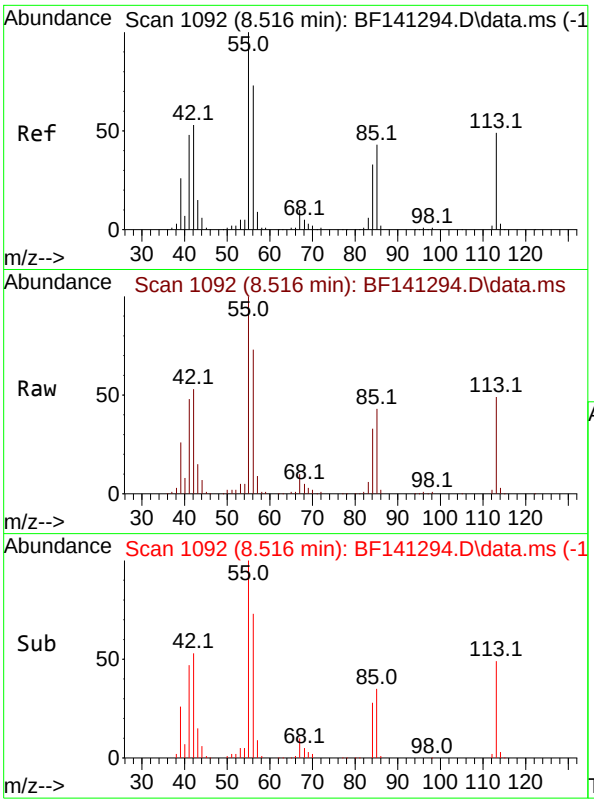


#34
Hexachlorobutadiene
Concen: 37.169 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:225 Resp: 190772

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	64.1	51.3	76.9



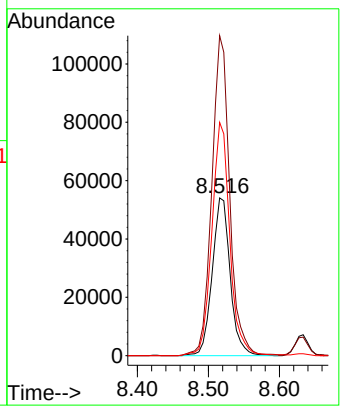


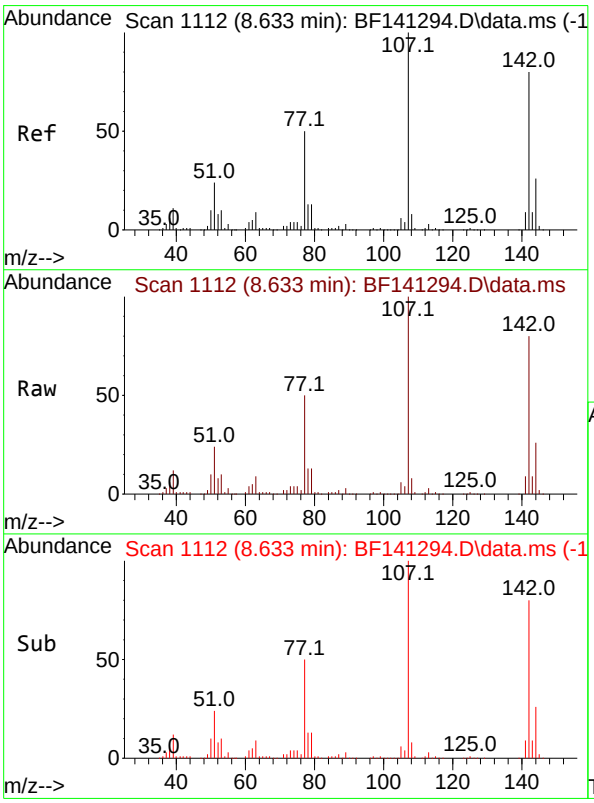
#35
Caprolactam
Concen: 38.342 ng
RT: 8.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 94819

Ion	Ratio	Lower	Upper
113	100		
55	202.9	182.9	222.9
56	147.9	127.9	167.9

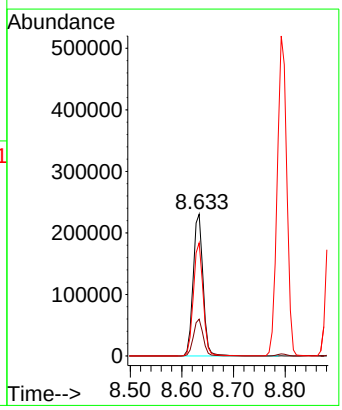


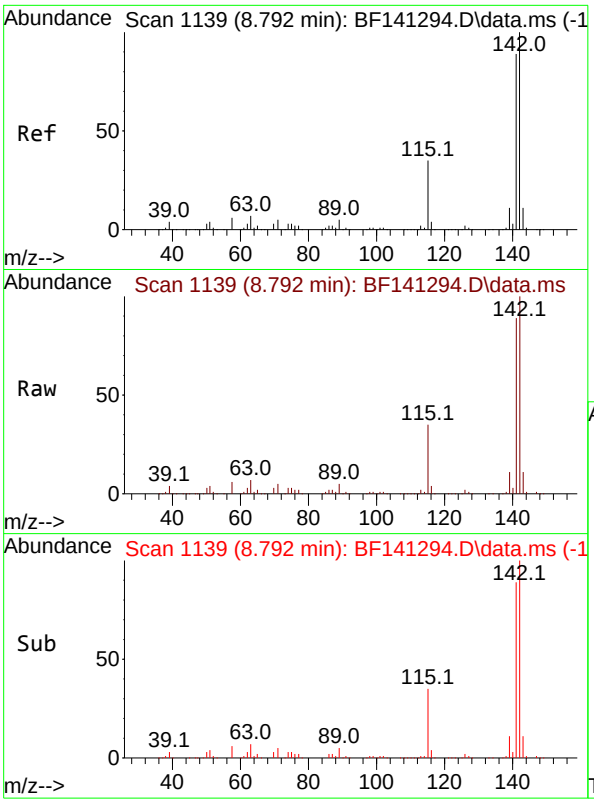


#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 305768

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.7	31.1
142	79.8	63.8	95.8



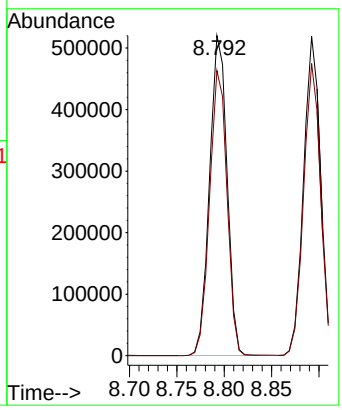


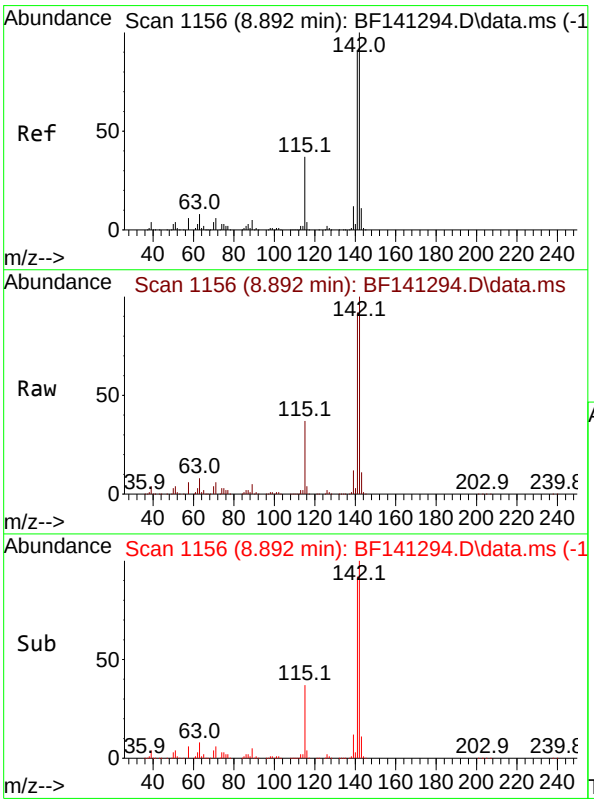
#37
2-Methylnaphthalene
Concen: 37.286 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 666038

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9

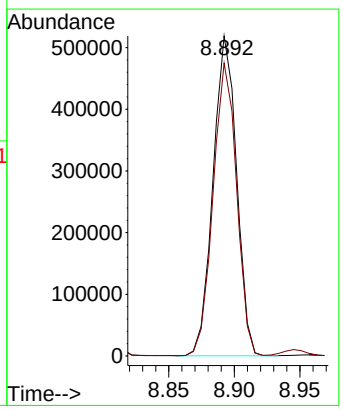


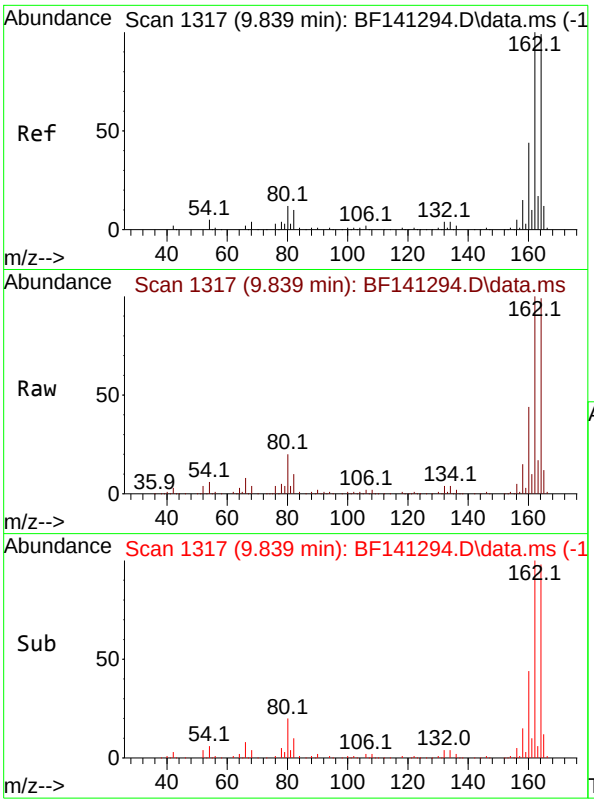


#38
1-Methylnaphthalene
Concen: 36.938 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:142 Resp: 646346

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8



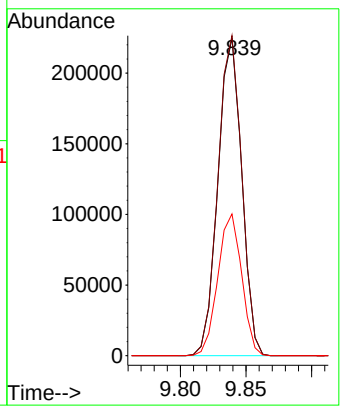


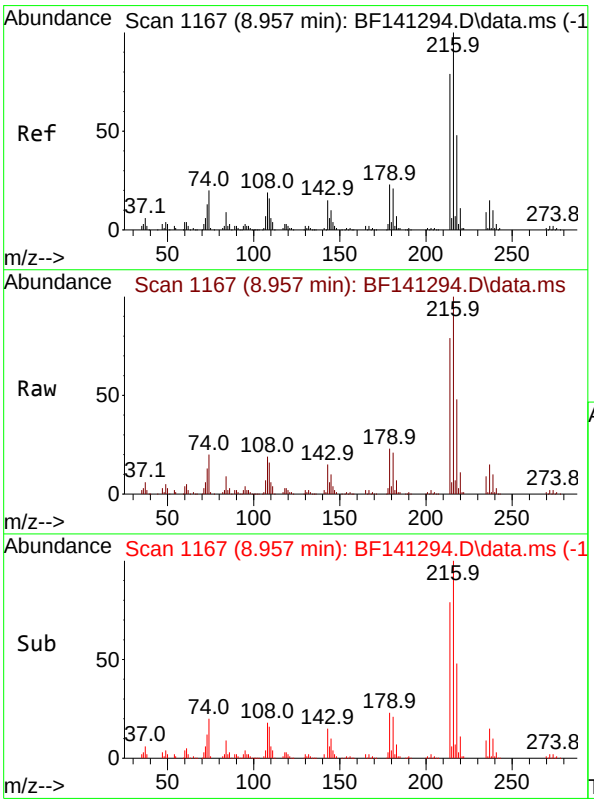
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 282995

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	44.7	35.8	53.6

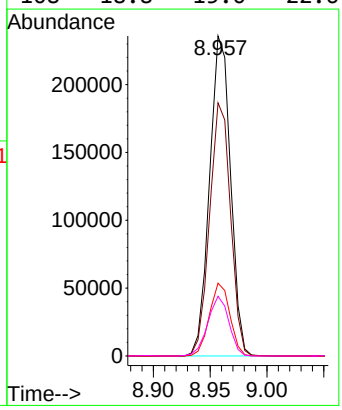


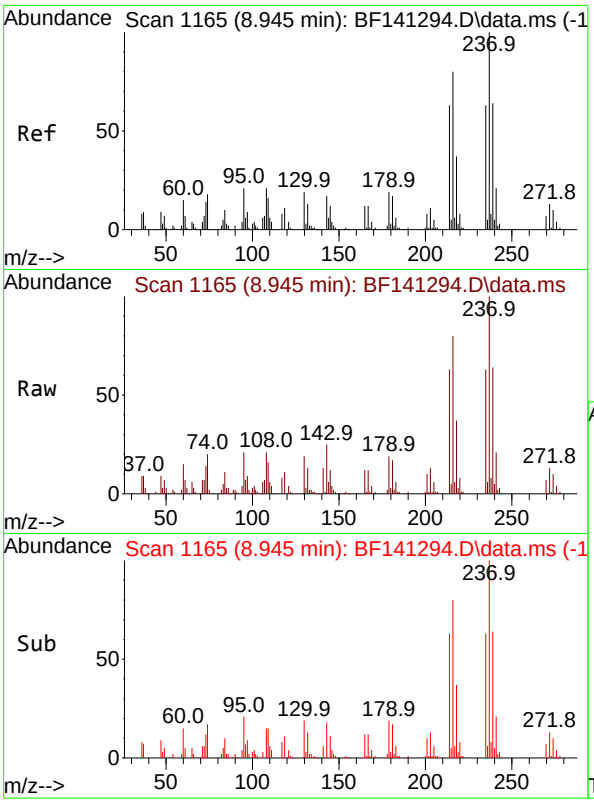


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.591 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:216 Resp: 302471

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	22.3	17.8	26.8
108	18.8	15.0	22.6



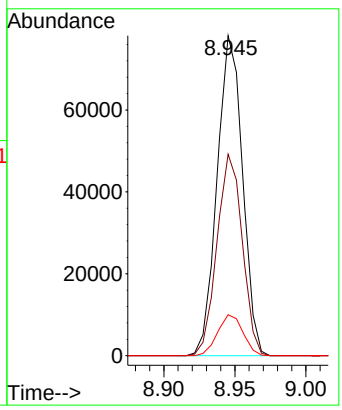


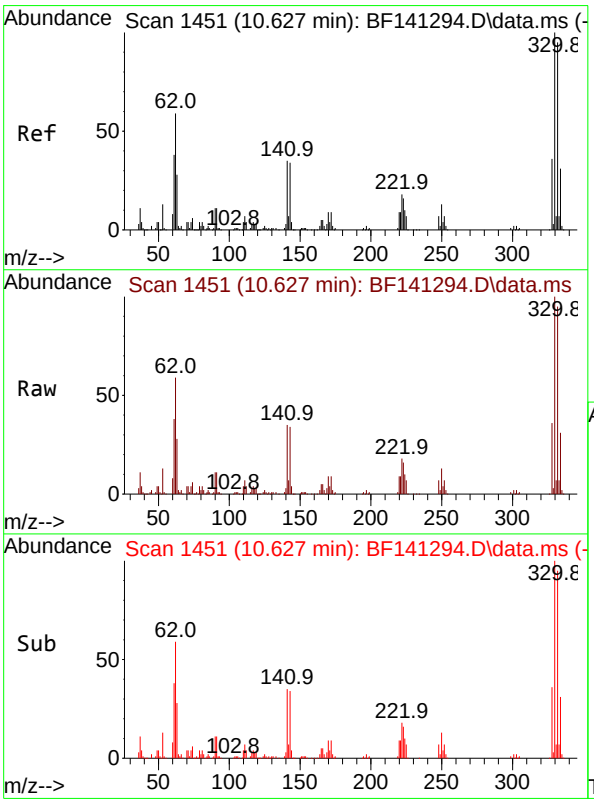
#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 97299

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.8	0.0	32.8

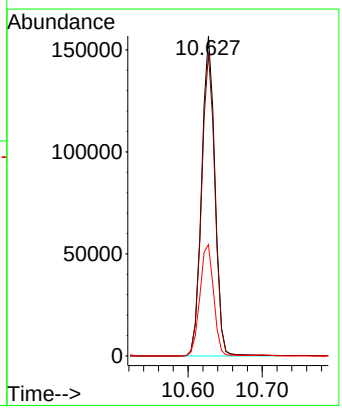


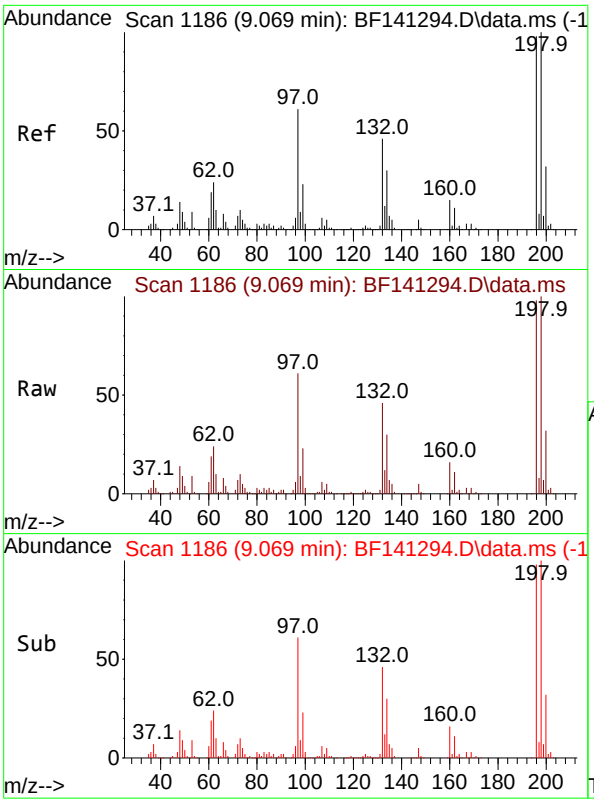


#42
2,4,6-Tribromophenol
Concen: 75.888 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:330 Resp: 195693

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	36.0	28.8	43.2



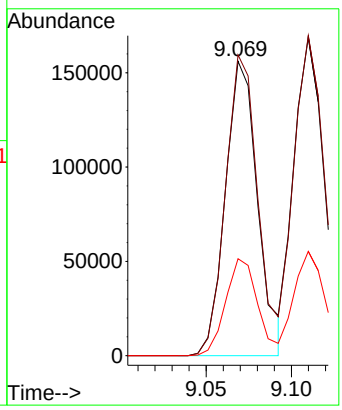


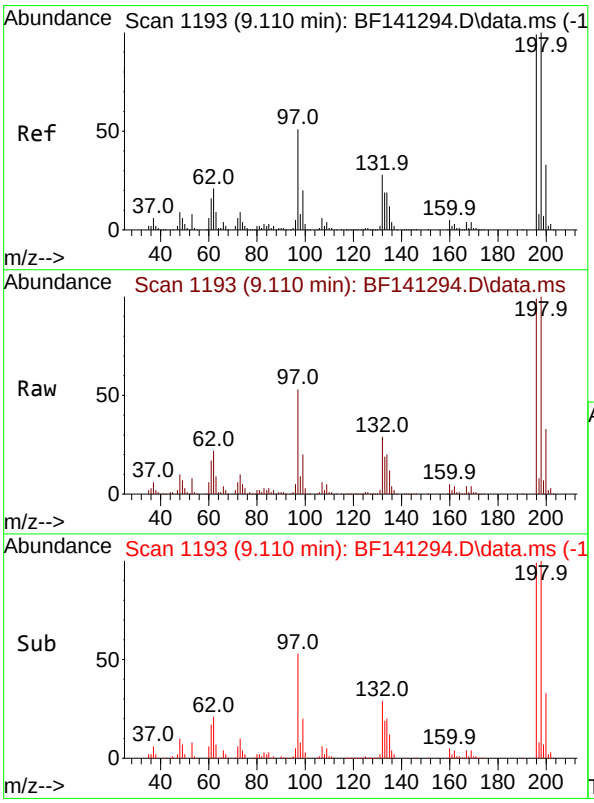
#43
2,4,6-Trichlorophenol
Concen: 39.181 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 205797

Ion	Ratio	Lower	Upper
196	100		
198	102.2	81.8	122.6
200	32.9	26.3	39.5

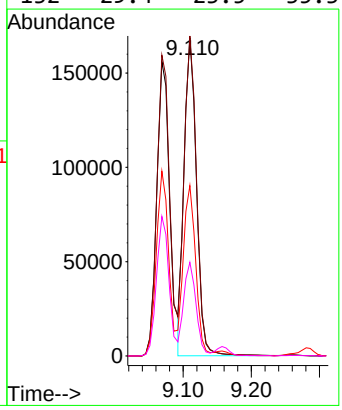


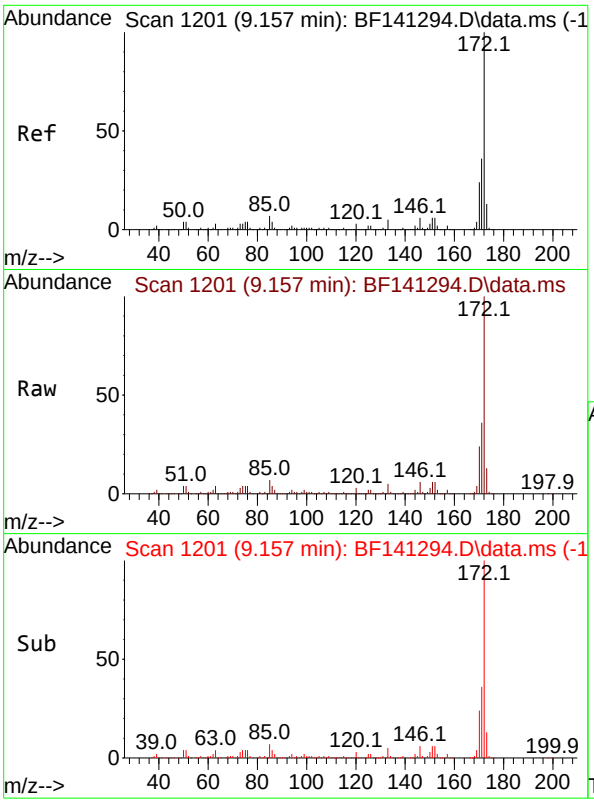


#44
2,4,5-Trichlorophenol
Concen: 37.346 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:196 Resp: 213401

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.5	120.7
97	53.5	42.8	64.2
132	29.4	23.5	35.3



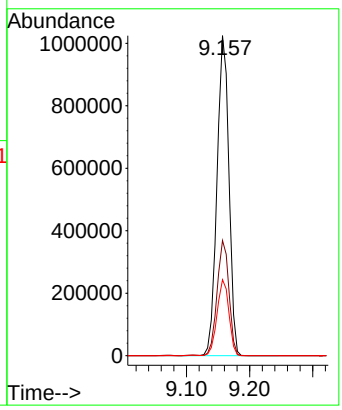


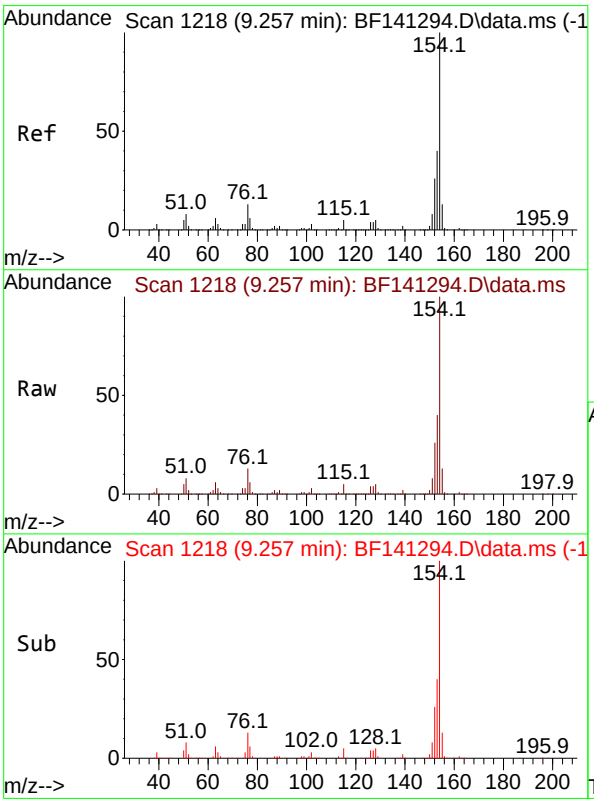
#45
2-Fluorobiphenyl
Concen: 73.029 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1339709

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.8	19.0	28.6

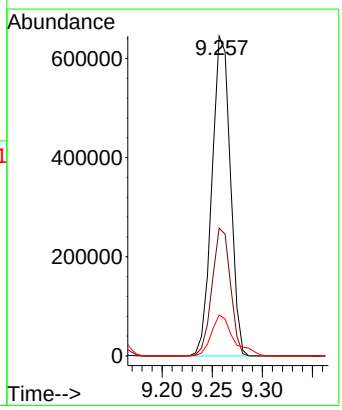


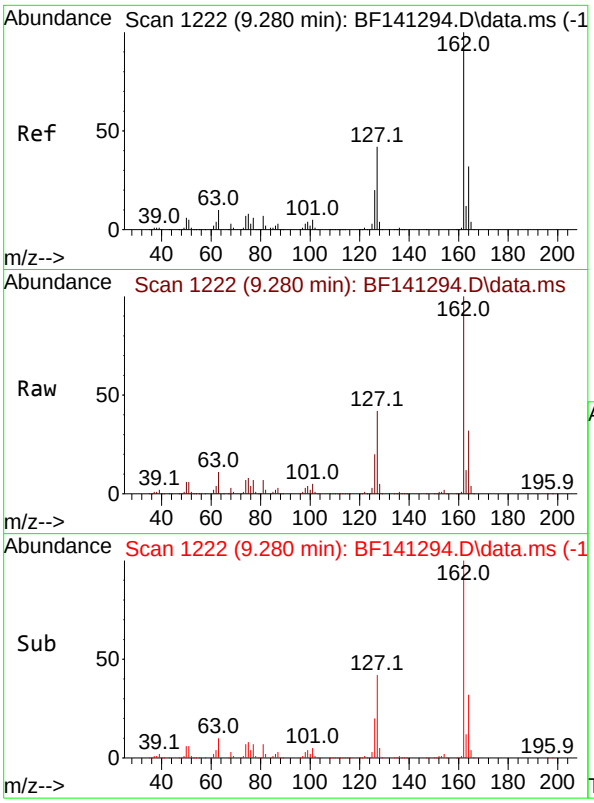


#46
1,1'-Biphenyl
Concen: 37.278 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:154 Resp: 823004

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.0	60.0
76	12.8	0.0	32.8



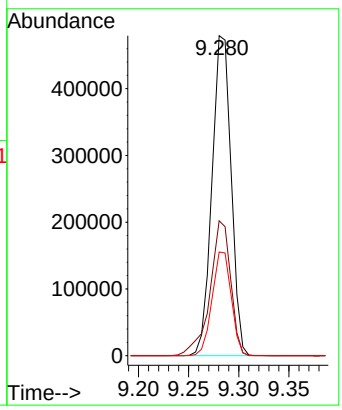


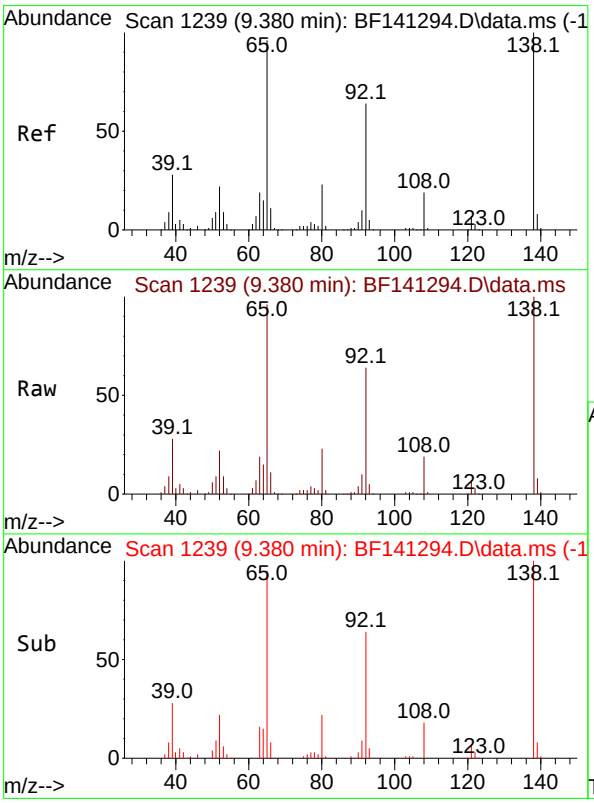
#47
2-Chloronaphthalene
Concen: 37.020 ng
RT: 9.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 634814

Ion	Ratio	Lower	Upper
162	100		
127	42.1	33.7	50.5
164	32.4	25.9	38.9

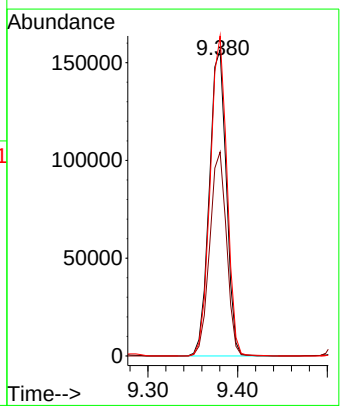


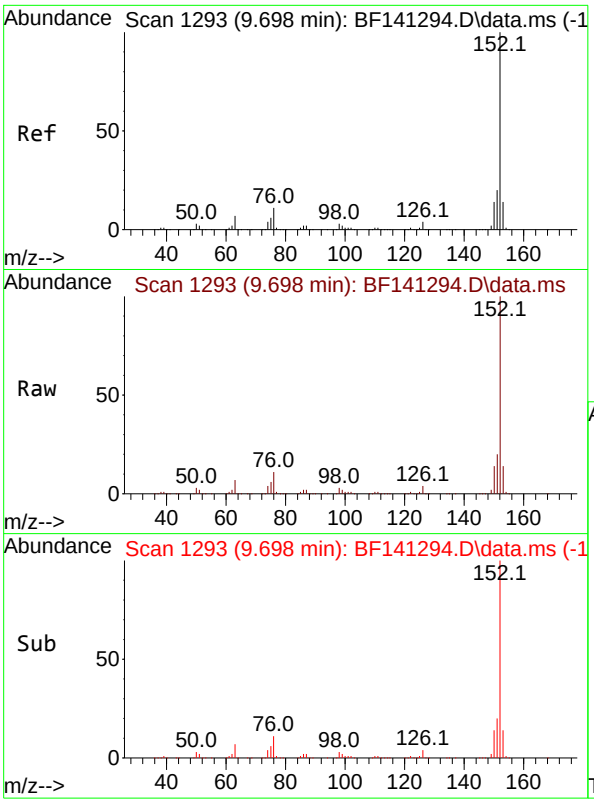


#48
2-Nitroaniline
Concen: 38.089 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 65 Resp: 205997

Ion	Ratio	Lower	Upper
65	100		
92	66.6	53.3	79.9
138	104.5	83.6	125.4



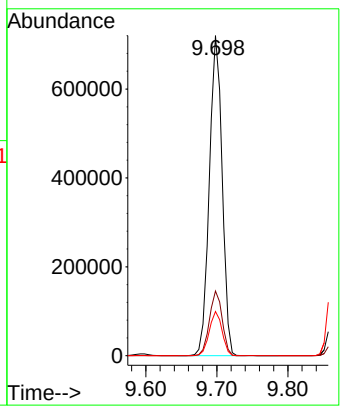


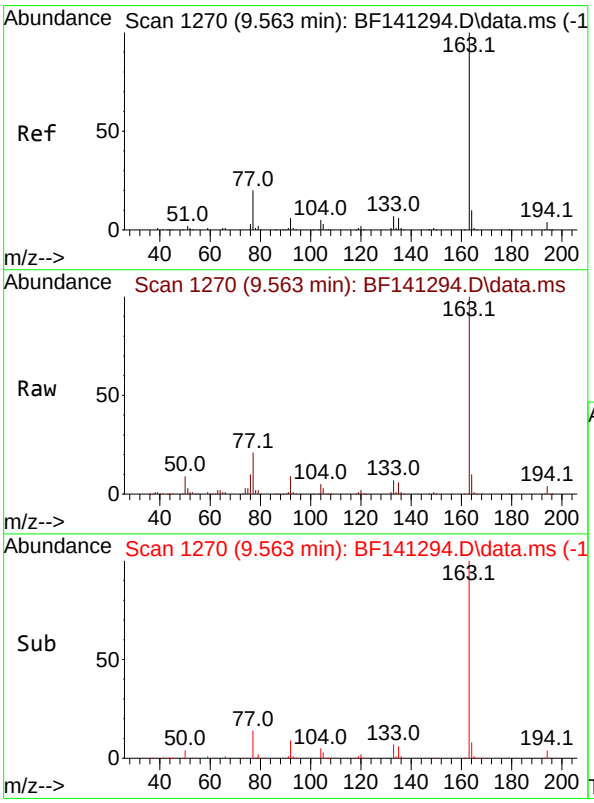
#49
Acenaphthylene
Concen: 37.483 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 902715

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.8	11.0	16.6

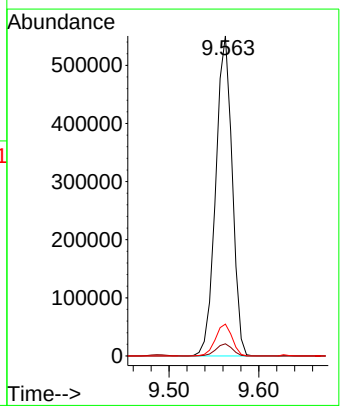


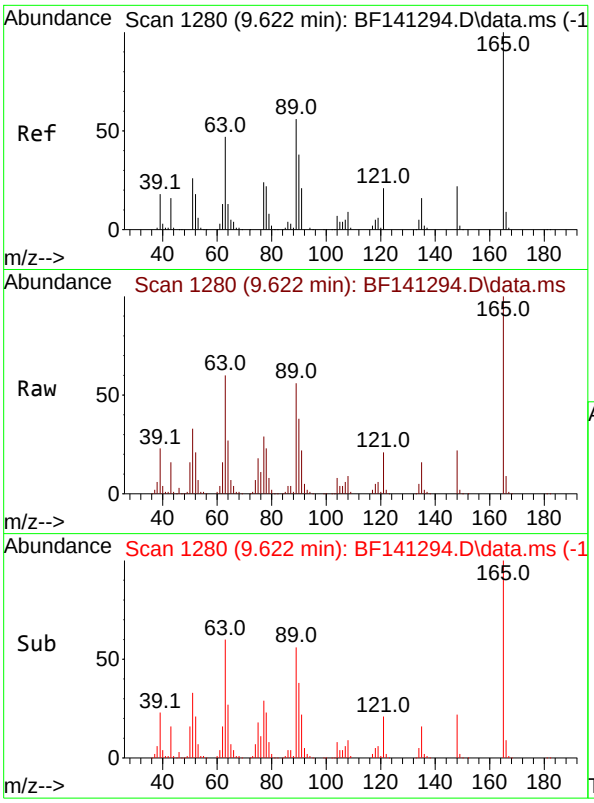


#50
Dimethylphthalate
Concen: 36.945 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:163 Resp: 701107

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0



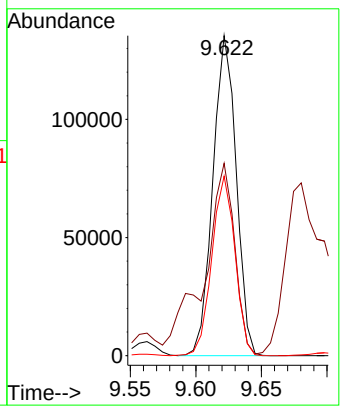


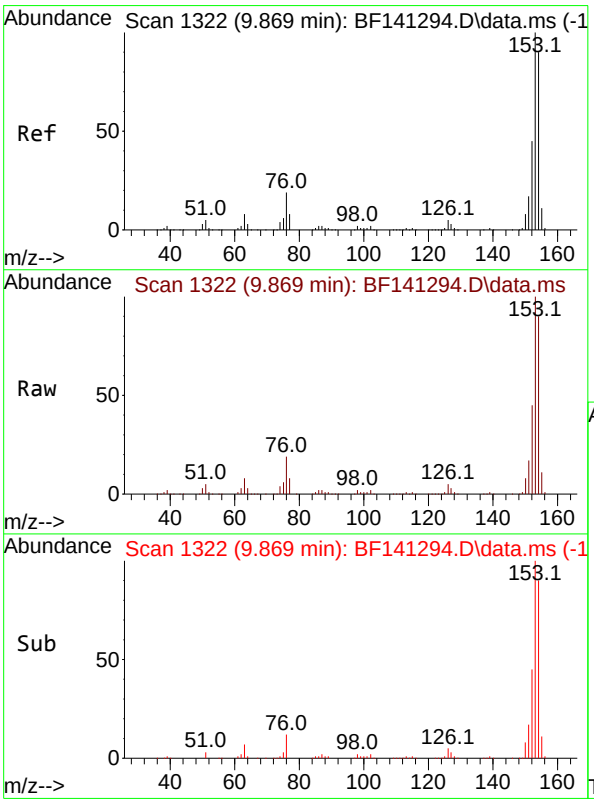
#51
2,6-Dinitrotoluene
Concen: 37.909 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 167409

Ion	Ratio	Lower	Upper
165	100		
63	60.1	48.1	72.1
89	56.1	44.9	67.3

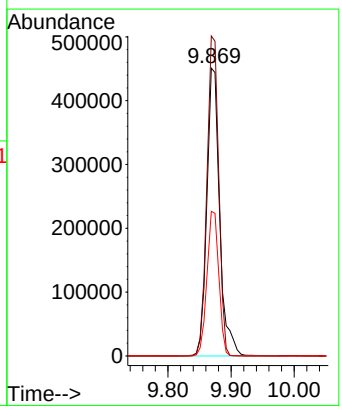


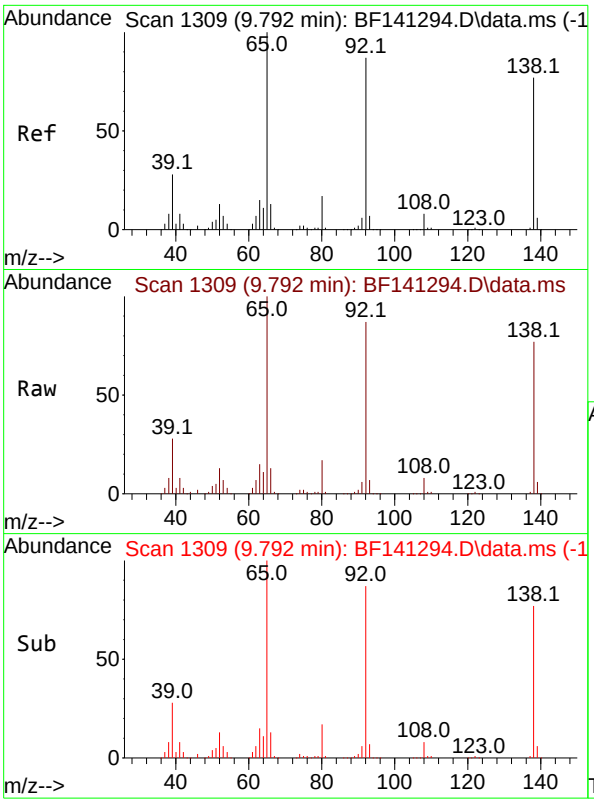


#52
Acenaphthene
Concen: 37.266 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:154 Resp: 638597

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	50.3	40.2	60.4



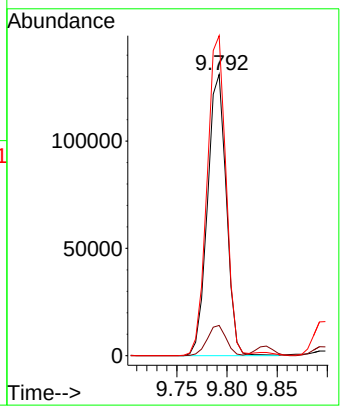


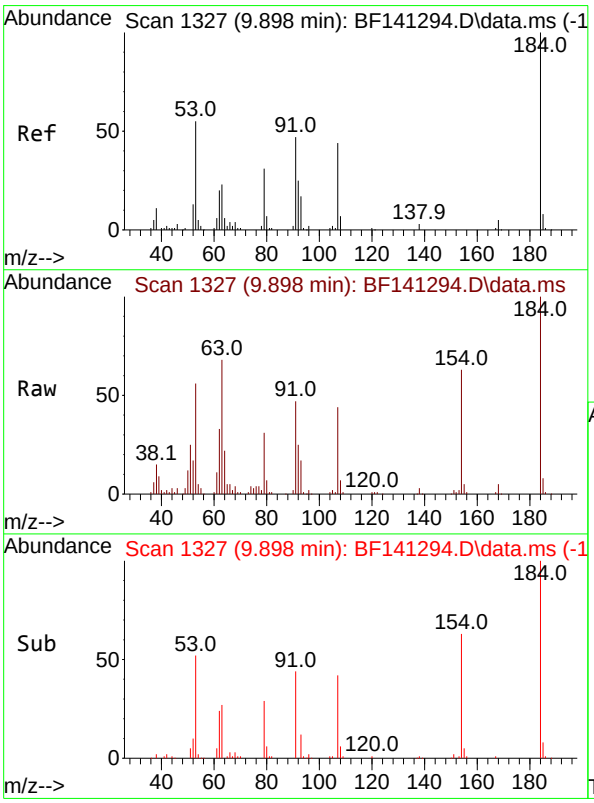
#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 171409

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	113.8	91.0	136.6

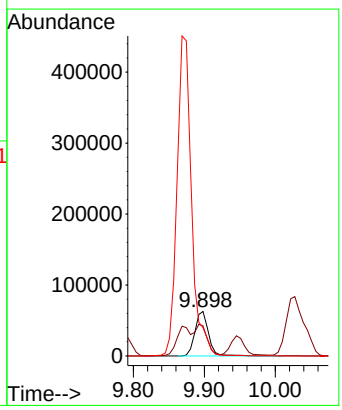


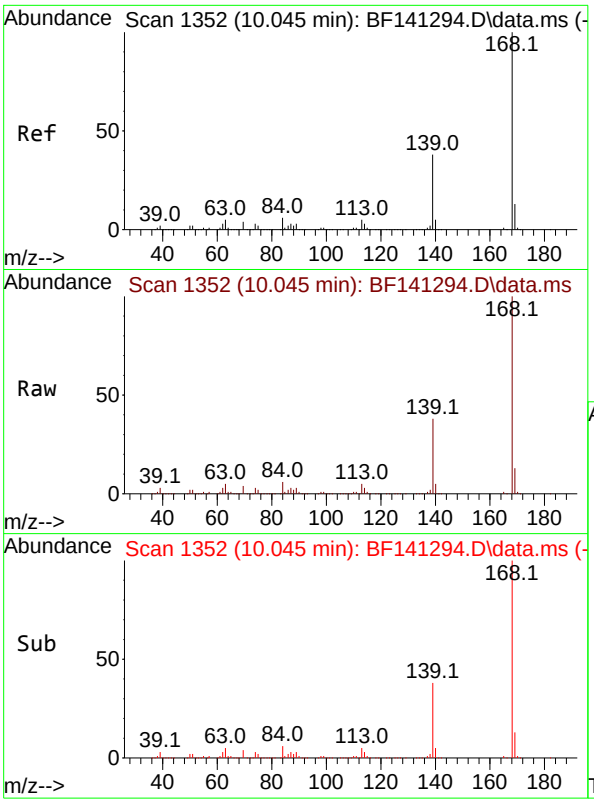


#54
2,4-Dinitrophenol
Concen: 40.011 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:184 Resp: 83282

Ion	Ratio	Lower	Upper
184	100		
63	67.6	54.1	81.1
154	63.4	50.7	76.1



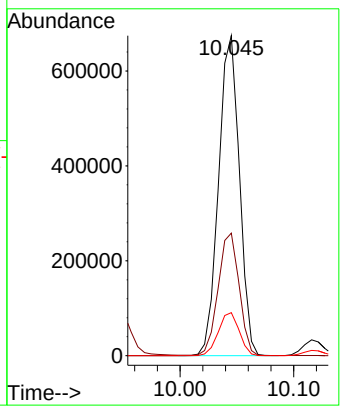


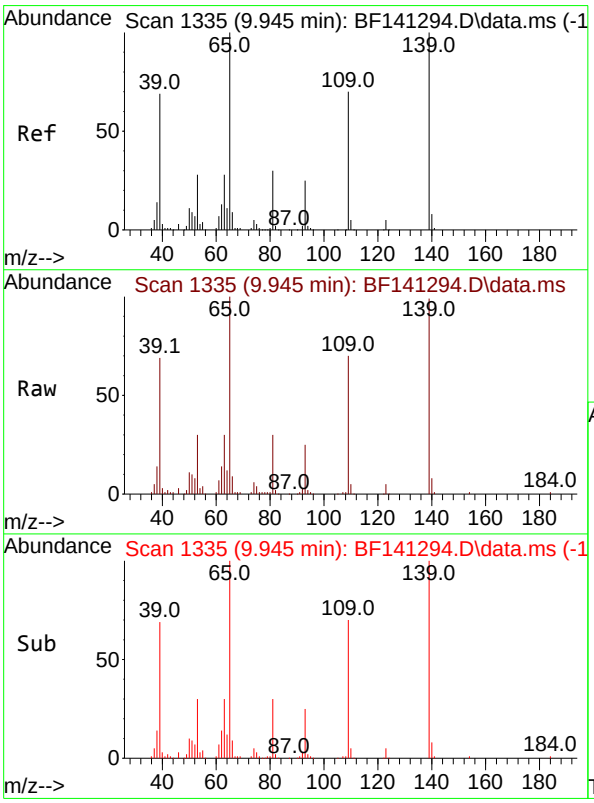
#55
Dibenzofuran
Concen: 37.490 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 859175

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.6	46.0
169	13.5	10.8	16.2

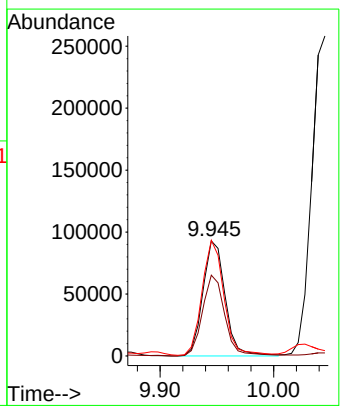


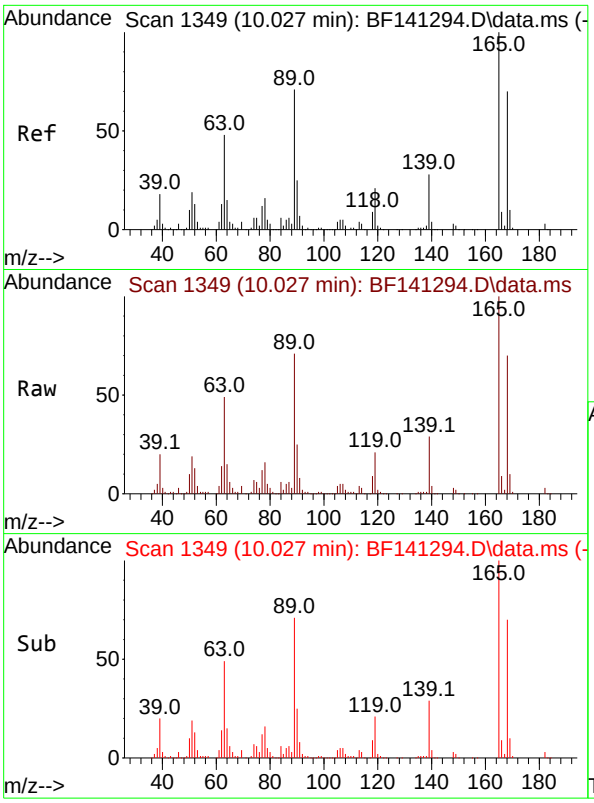


#56
4-Nitrophenol
Concen: 40.349 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:139 Resp: 126536

Ion	Ratio	Lower	Upper
139	100		
109	70.2	50.2	90.2
65	100.6	80.6	120.6



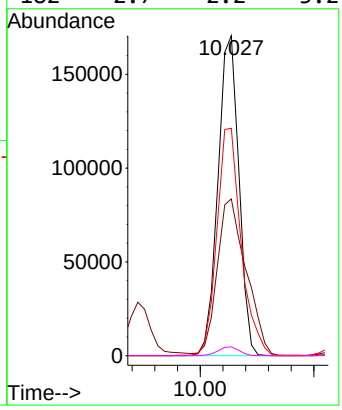


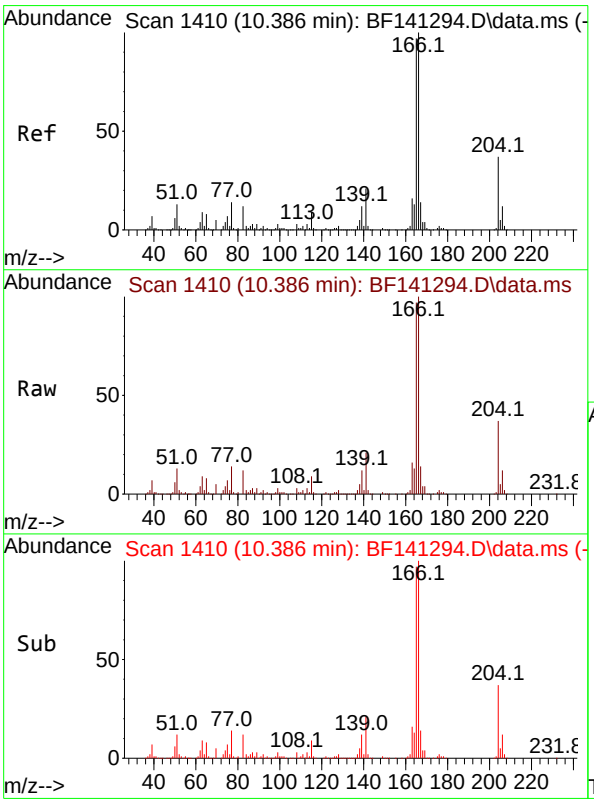
#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 218627

Ion	Ratio	Lower	Upper
165	100		
63	49.0	39.2	58.8
89	71.1	56.9	85.3
182	2.7	2.2	3.2

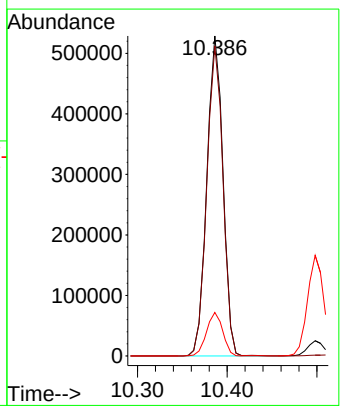


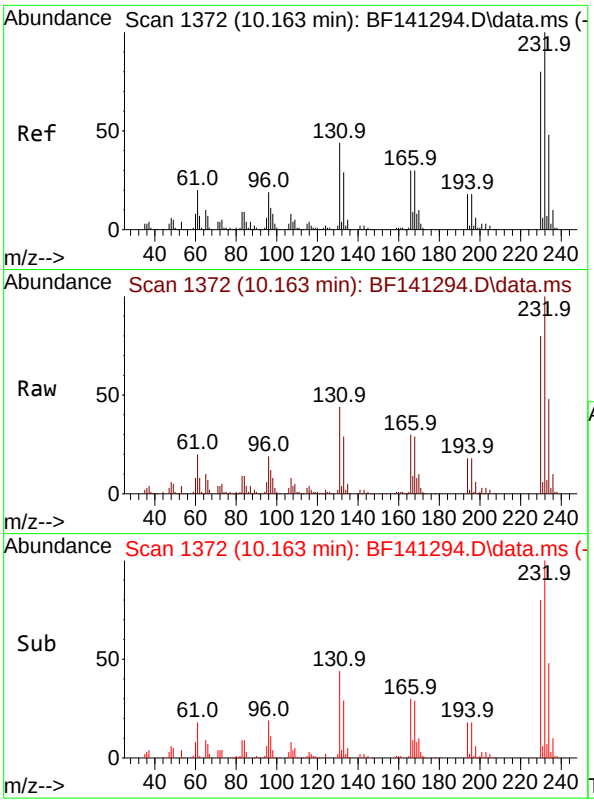


#58
Fluorene
Concen: 37.076 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:166 Resp: 660612

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.6	10.9	16.3



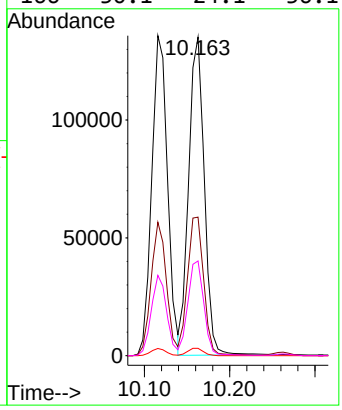


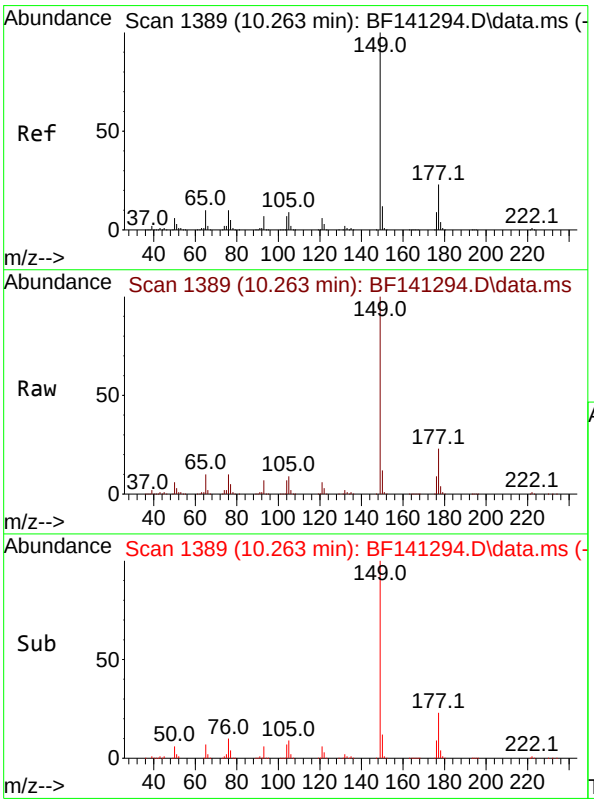
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 172174

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.4	54.6
130	2.4	1.9	2.9
166	30.1	24.1	36.1

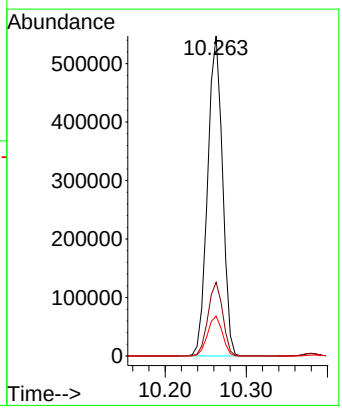


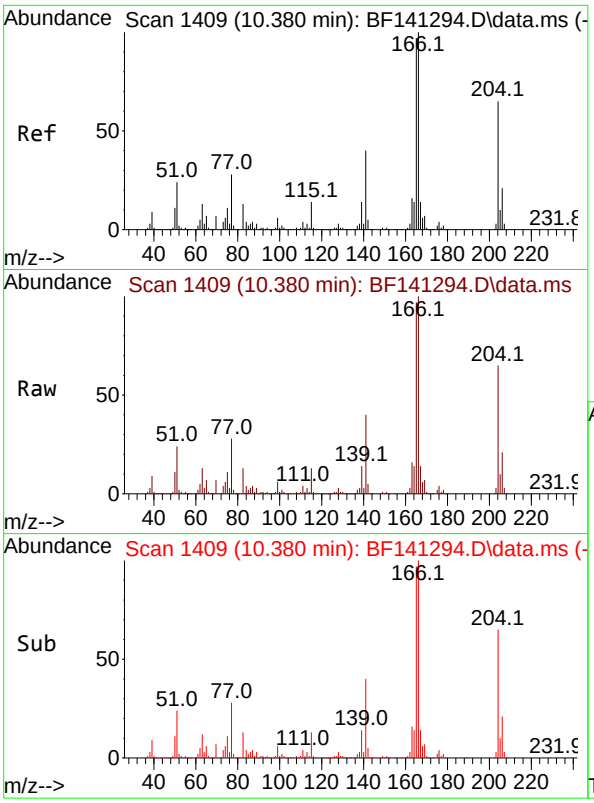


#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 693066

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.5	27.7
150	12.5	10.0	15.0



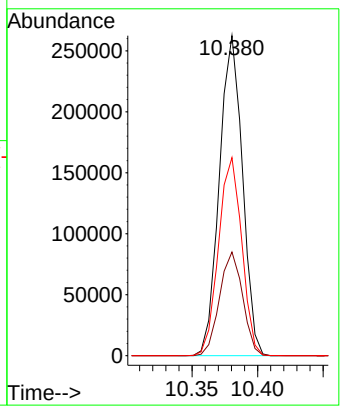


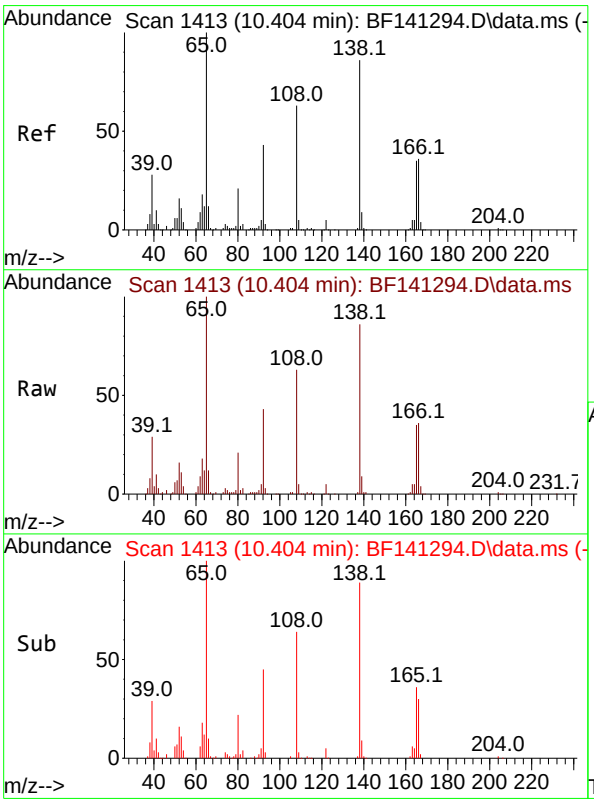
#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 321112

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	61.9	49.5	74.3

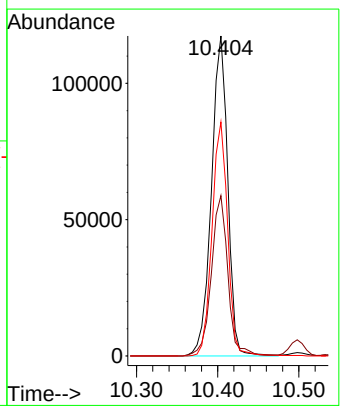


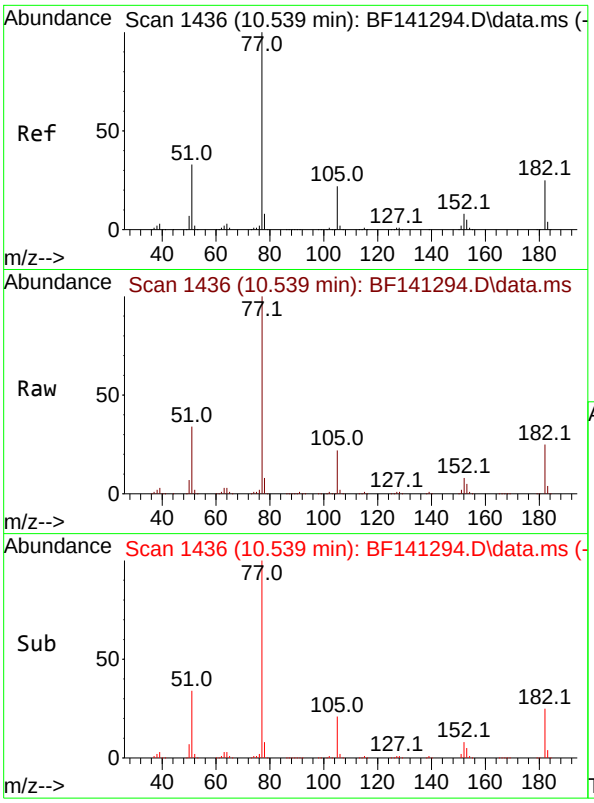


#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:138 Resp: 164154

Ion	Ratio	Lower	Upper
138	100		
92	50.1	30.1	70.1
108	73.1	53.1	93.1



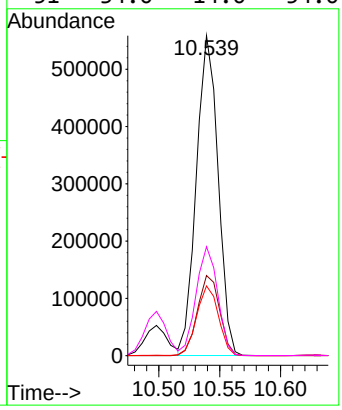


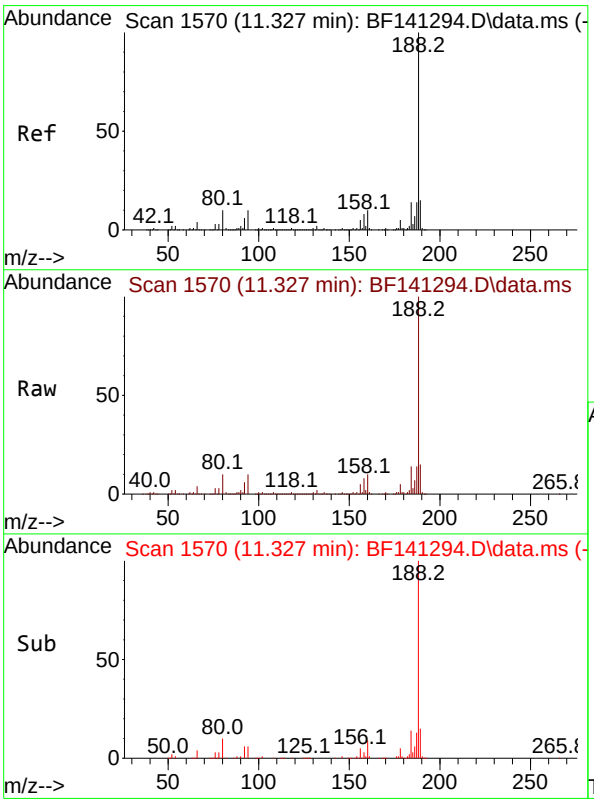
#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 693050

Ion	Ratio	Lower	Upper
77	100		
182	25.1	5.1	45.1
105	21.8	1.8	41.8
51	34.0	14.0	54.0

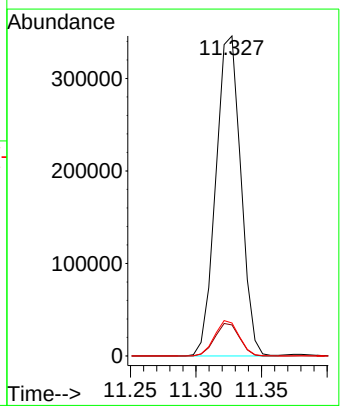


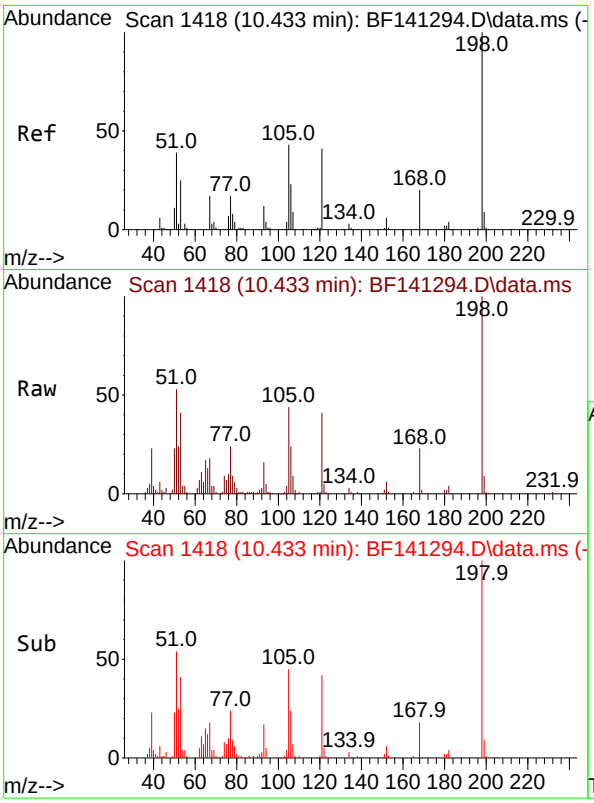


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:188 Resp: 458392

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	10.3	8.2	12.4



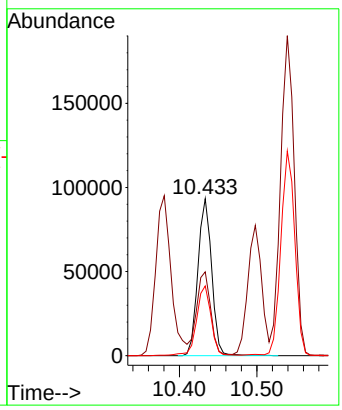


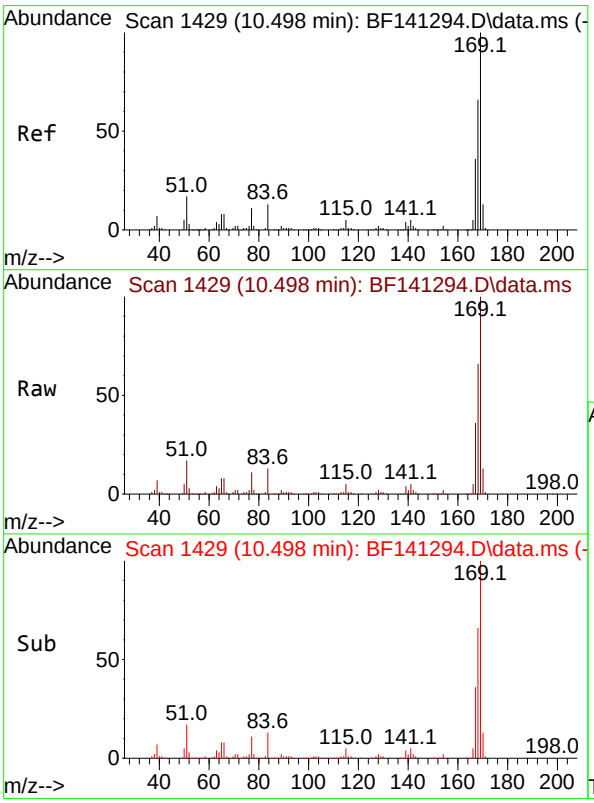
#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 114735

Ion	Ratio	Lower	Upper
198	100		
51	53.4	33.4	73.4
105	44.4	24.4	64.4

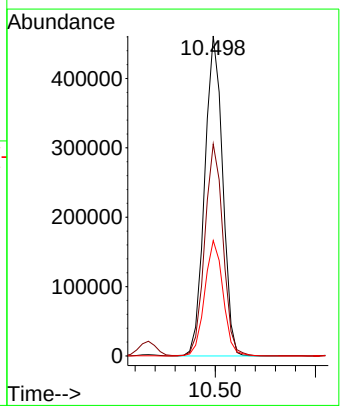


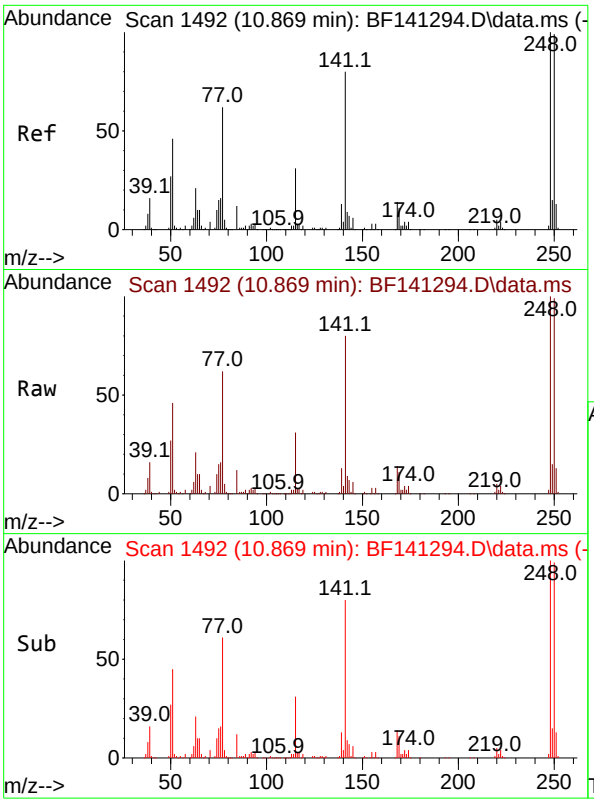


#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:169 Resp: 573712

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.0	28.8	43.2



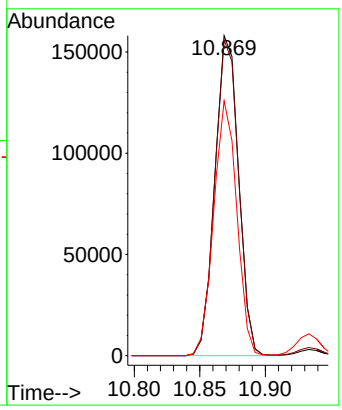


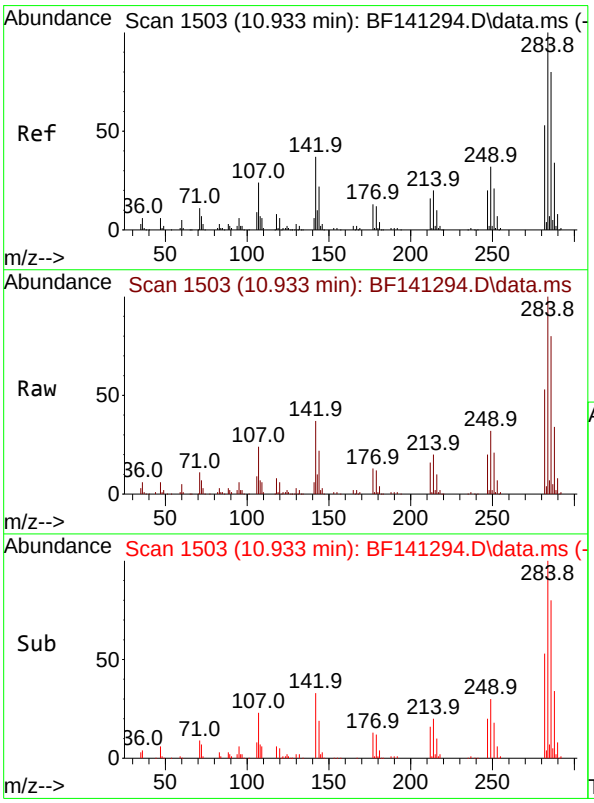
#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 198895

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.4
141	79.6	63.7	95.5

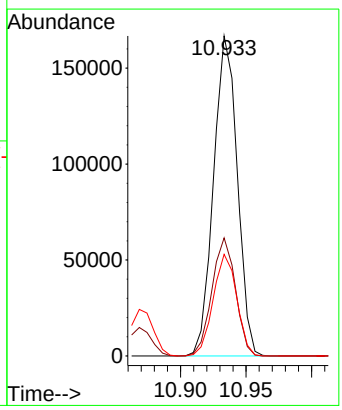


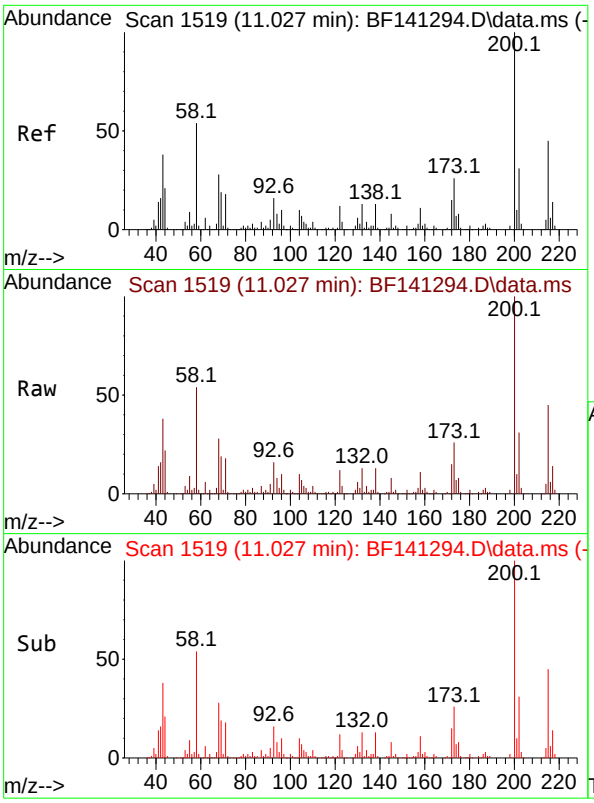


#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:284 Resp: 209735

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	31.8	25.4	38.2



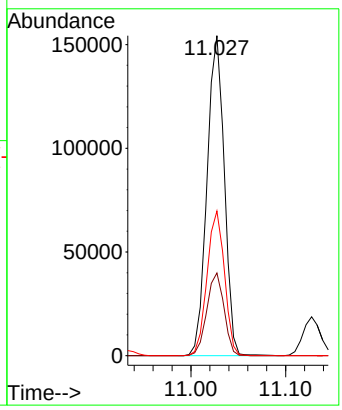


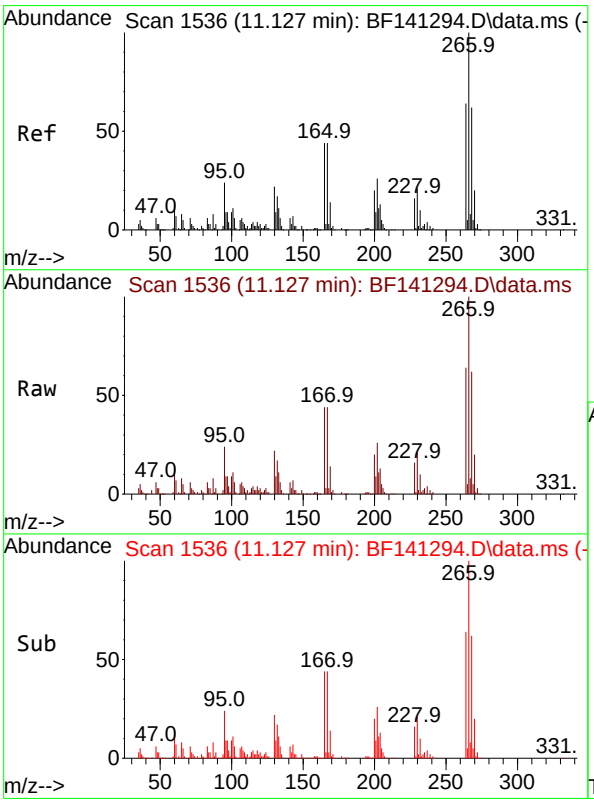
#69
Atrazine
Concen: 39.131 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 195062

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	45.2	25.2	65.2

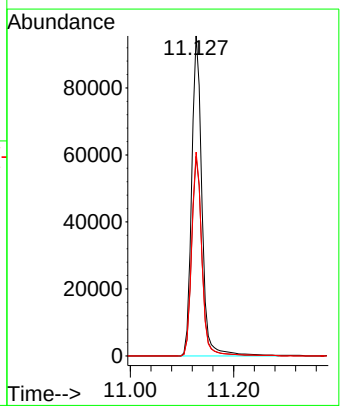


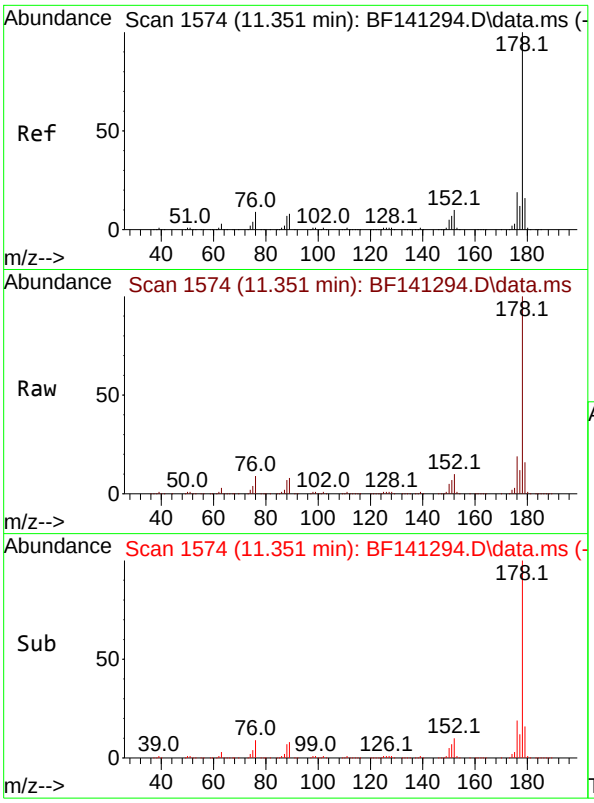


#70
Pentachlorophenol
Concen: 41.196 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:266 Resp: 131295

Ion	Ratio	Lower	Upper
266	100		
268	62.4	49.9	74.9
264	63.7	51.0	76.4



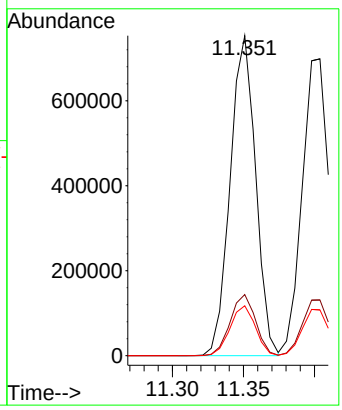


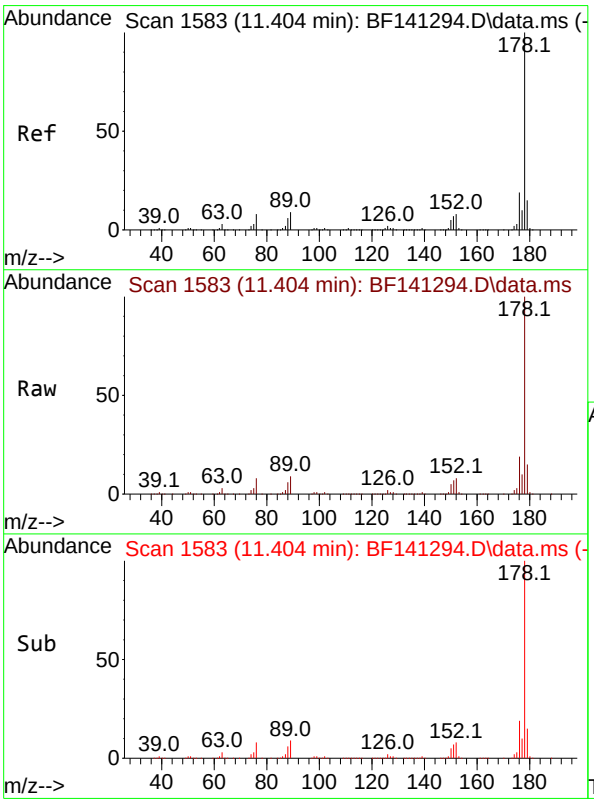
#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 940021

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7

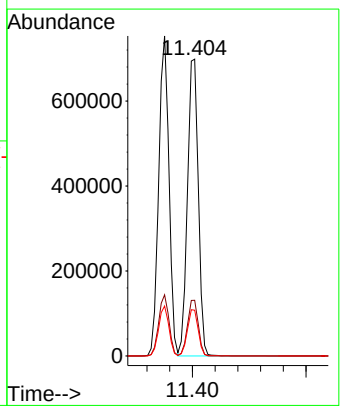


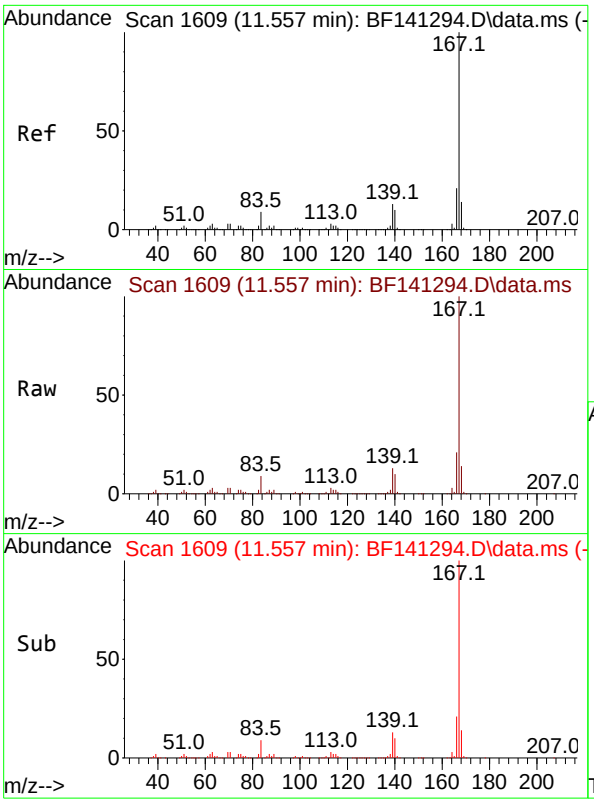


#72
Anthracene
Concen: 38.521 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:178 Resp: 925244

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.3	18.5



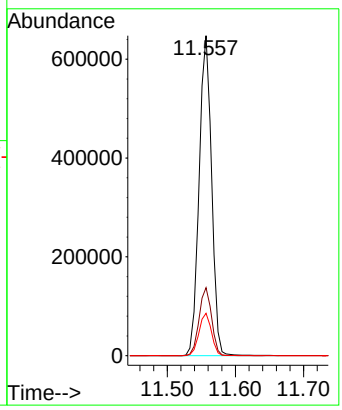


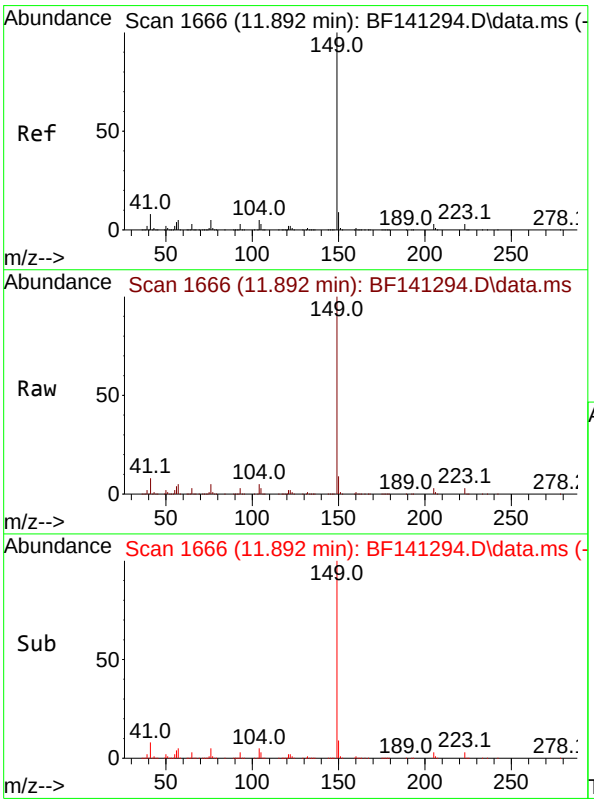
#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 824095

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0

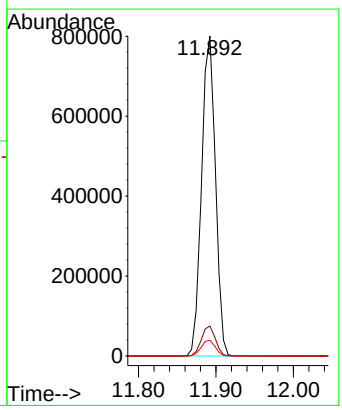


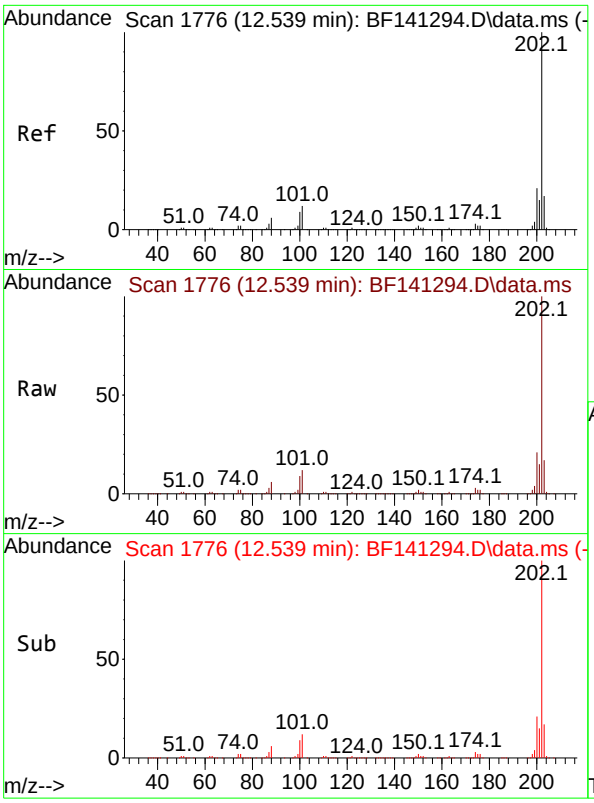


#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 995172

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



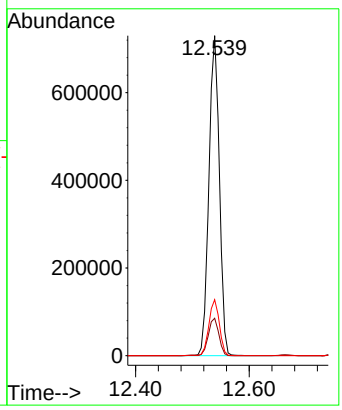


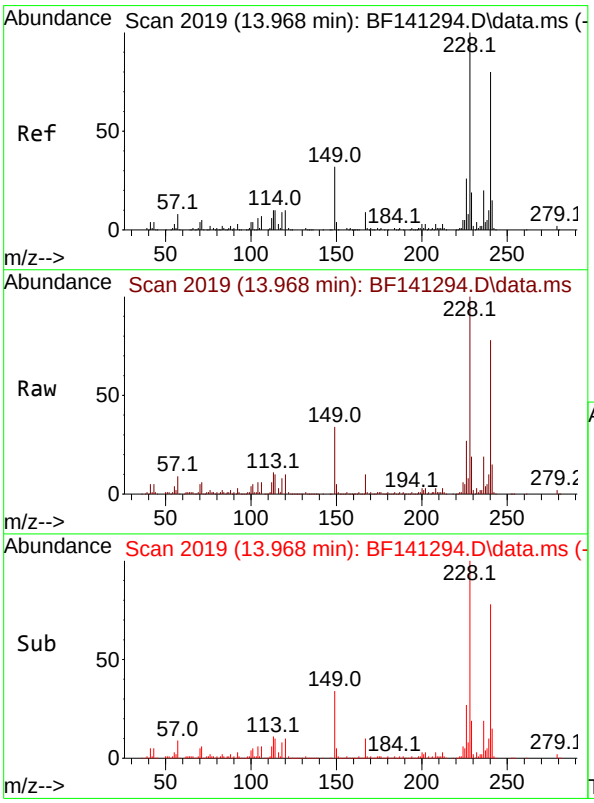
#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 928946

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5

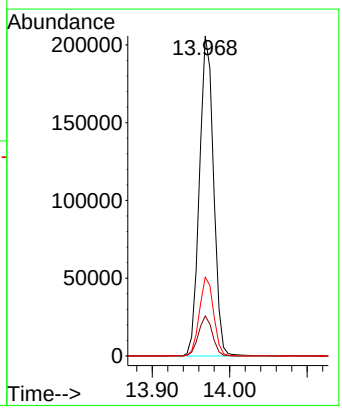


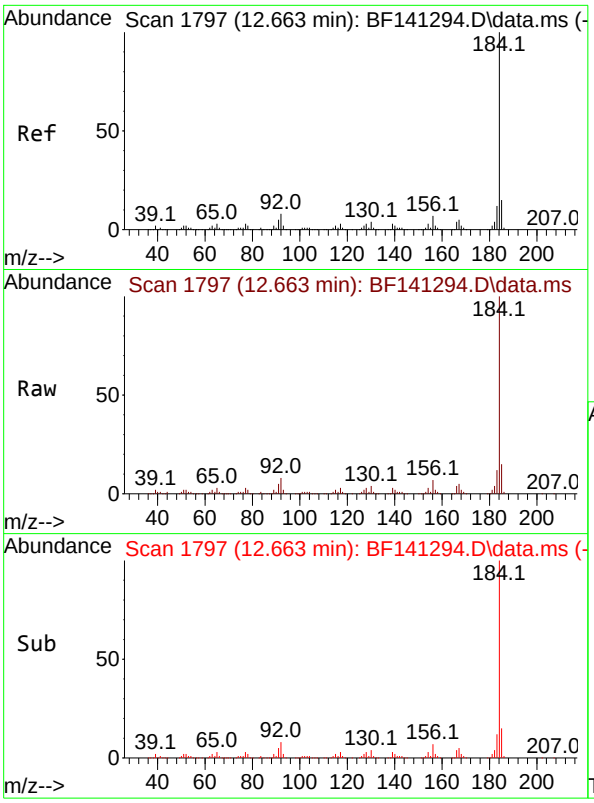


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:240 Resp: 260600

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.6	19.7	29.5



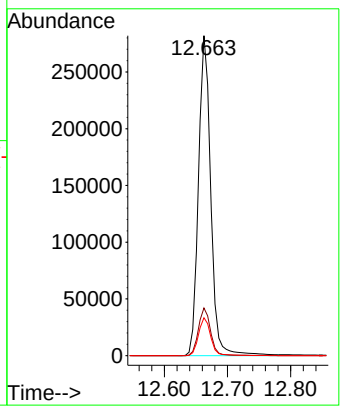


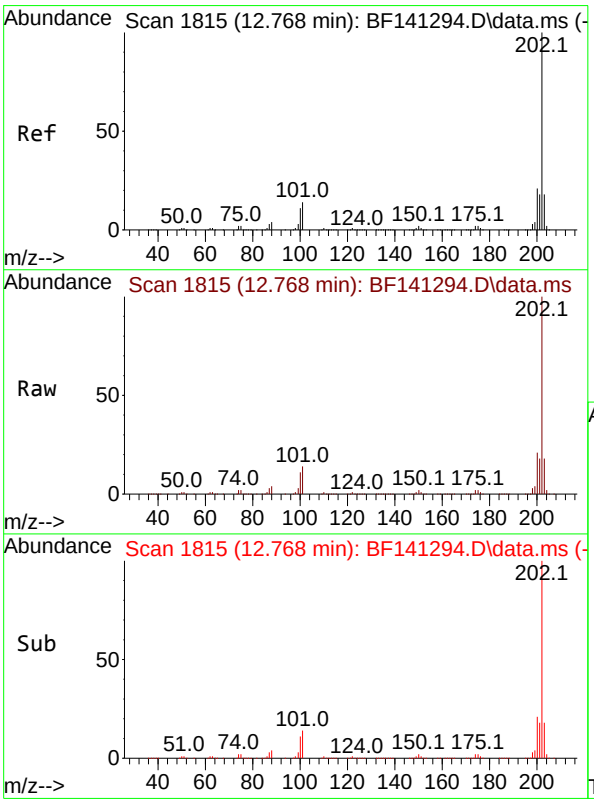
#77
Benzidine
Concen: 48.034 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 380623

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.9	9.5	14.3

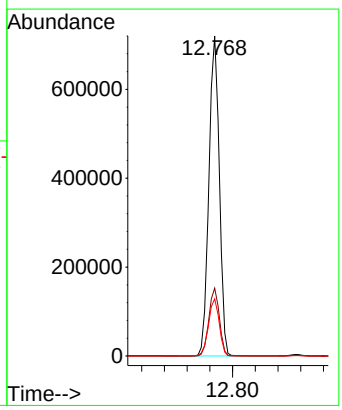


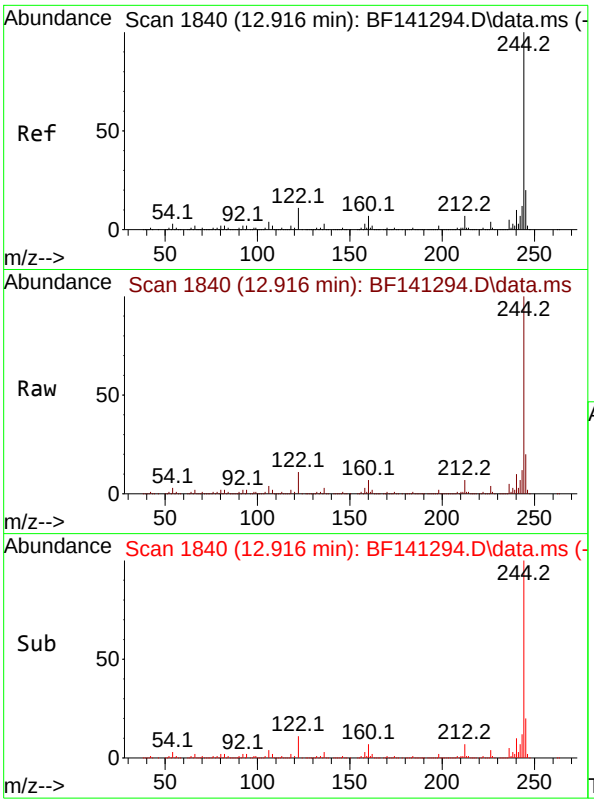


#78
Pyrene
Concen: 36.333 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:202 Resp: 914205

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5



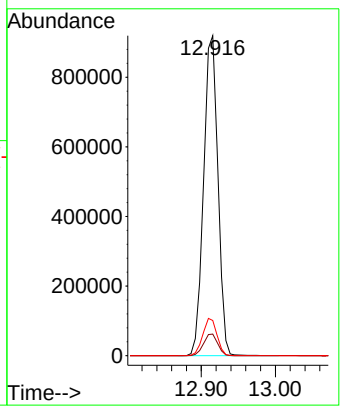


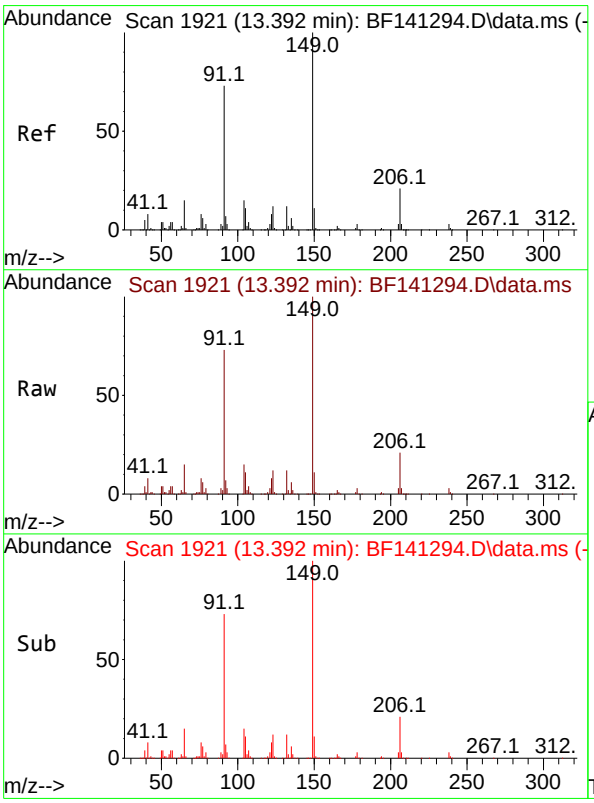
#79
Terphenyl-d14
Concen: 72.802 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1232977

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.0	8.8	13.2

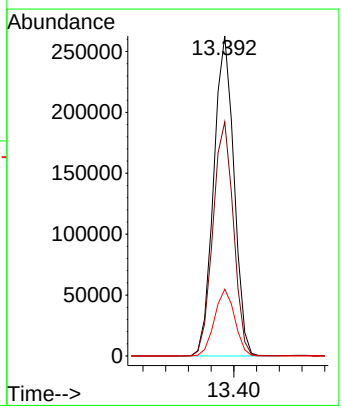


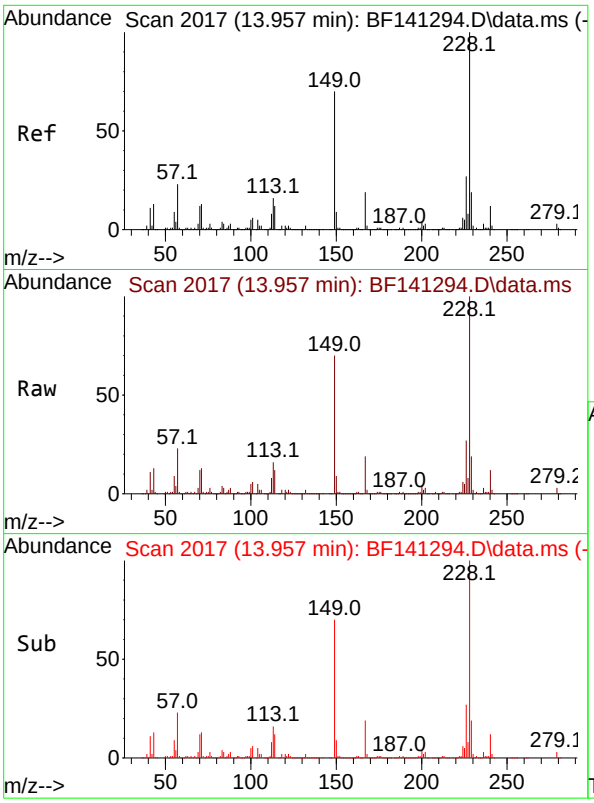


#80
Butylbenzylphthalate
Concen: 37.532 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 326158

Ion	Ratio	Lower	Upper
149	100		
91	73.2	58.6	87.8
206	20.9	16.7	25.1



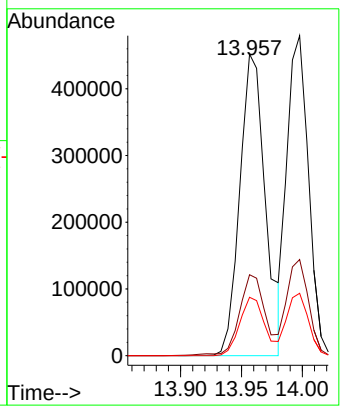


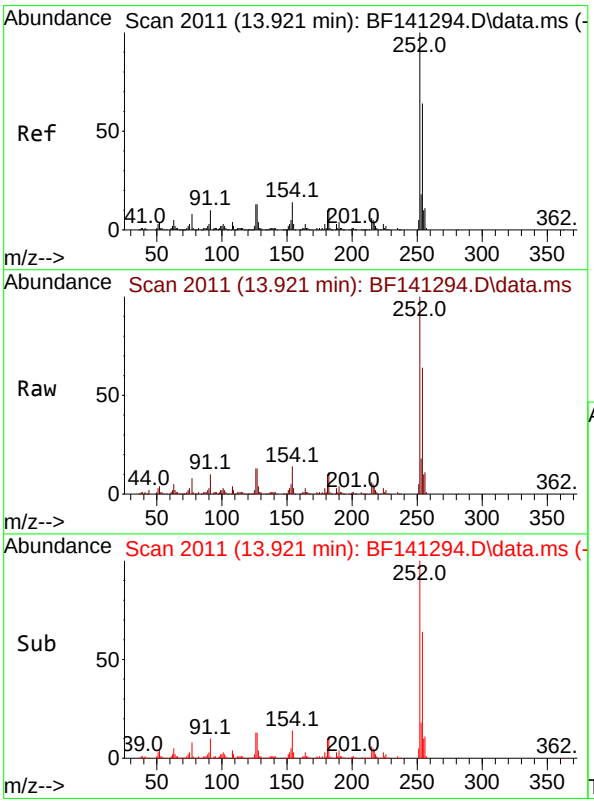
#81
Benzo(a)anthracene
Concen: 37.062 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 661997

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.4	15.5	23.3

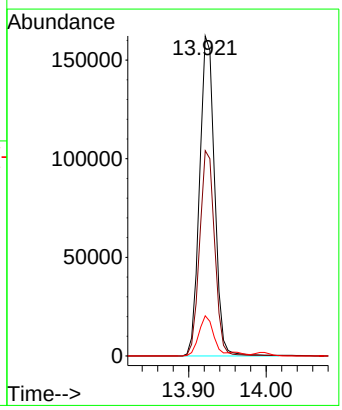


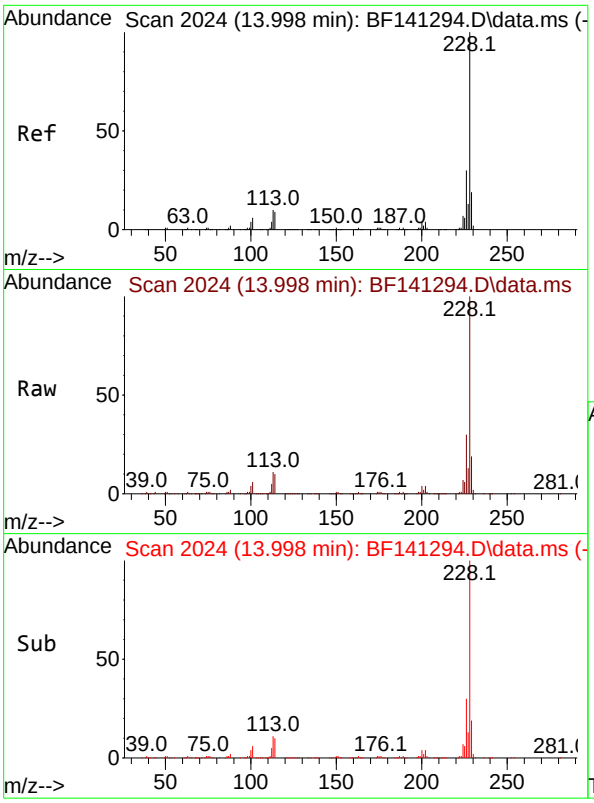


#82
3,3'-Dichlorobenzidine
Concen: 38.953 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 217856

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	12.5	10.0	15.0



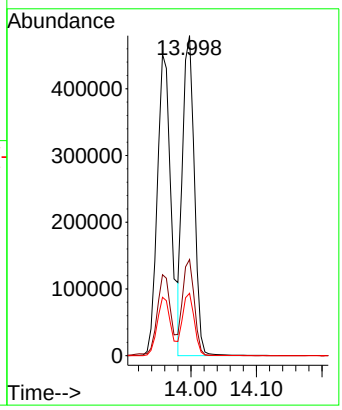


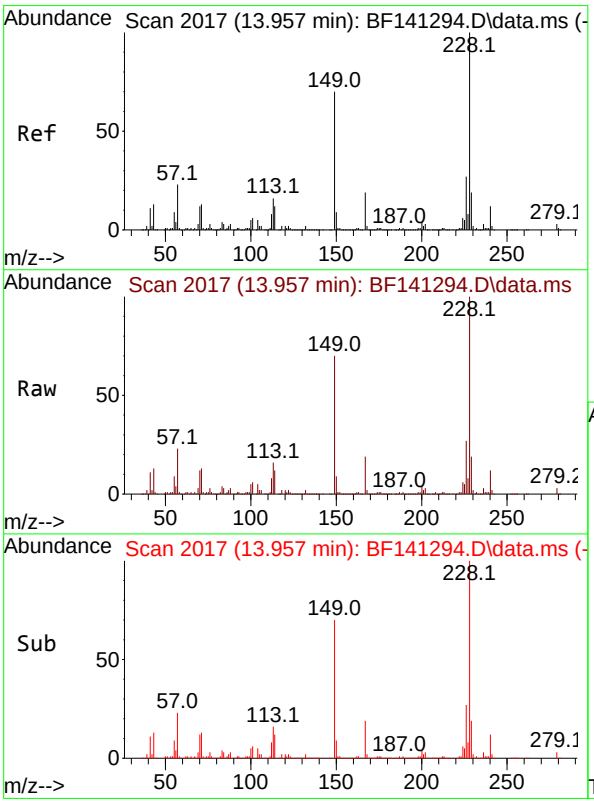
#83
Chrysene
Concen: 35.738 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 591939

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.5	15.6	23.4

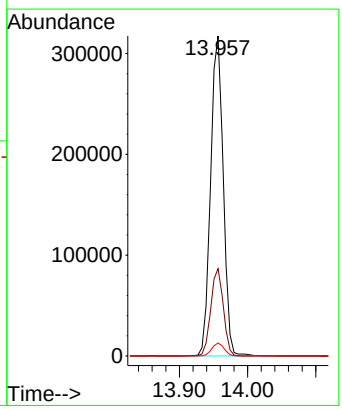


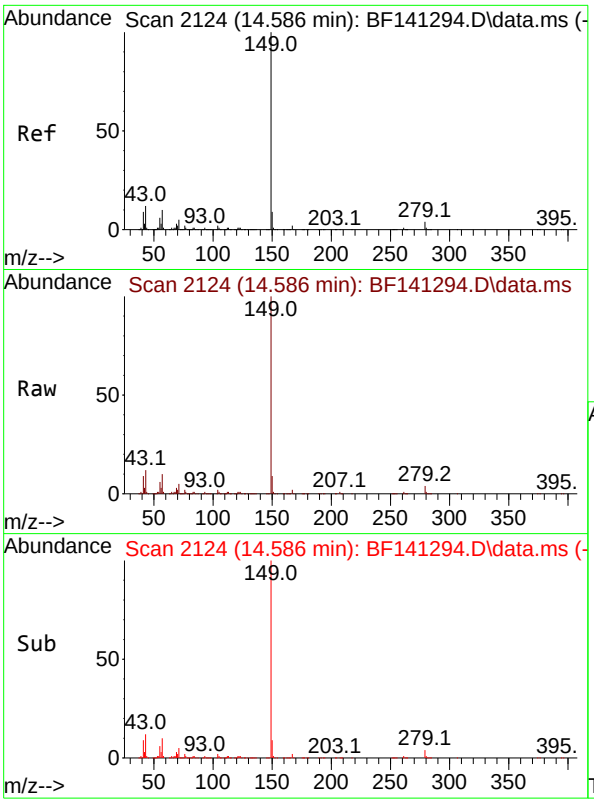


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.540 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 409365

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.8
279	4.1	3.3	4.9



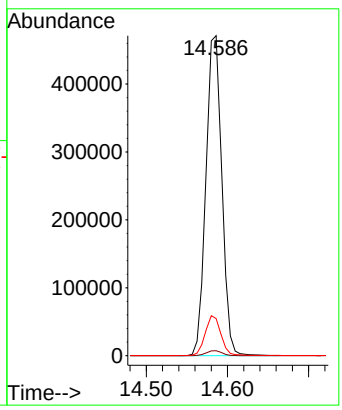


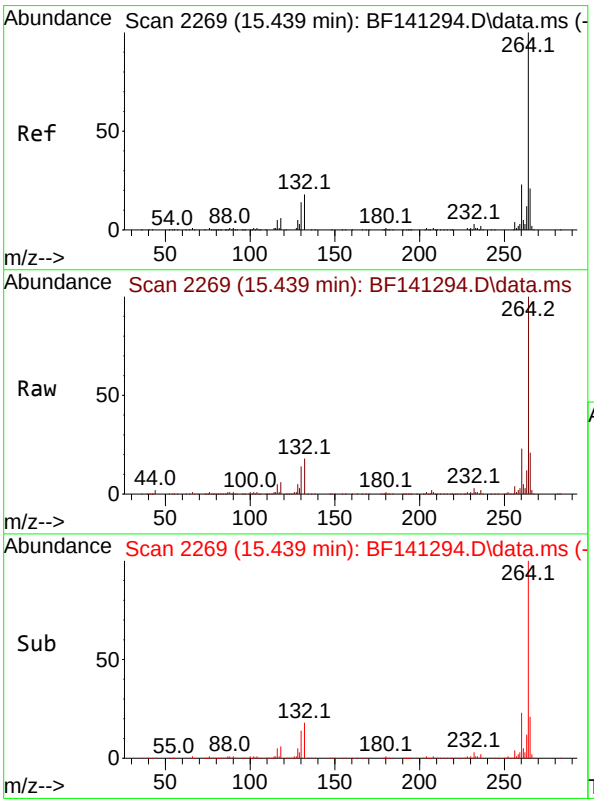
#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 640977

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.3	9.8	14.8

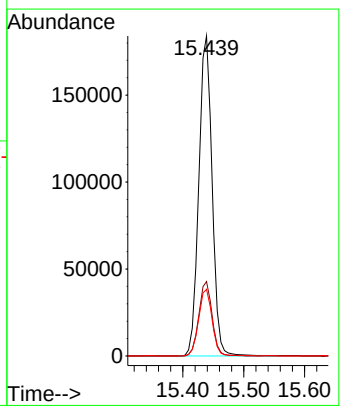


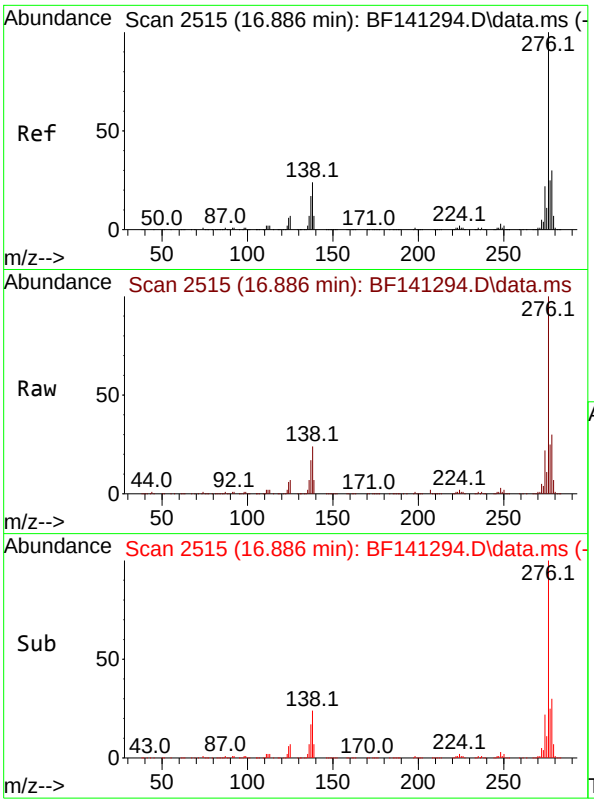


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:264 Resp: 279417

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	20.9	16.7	25.1



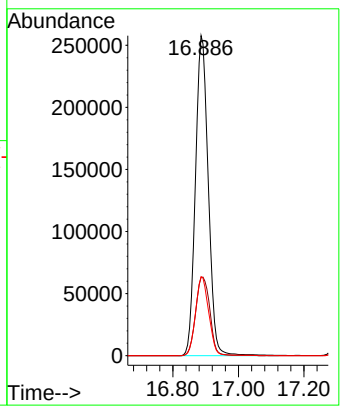


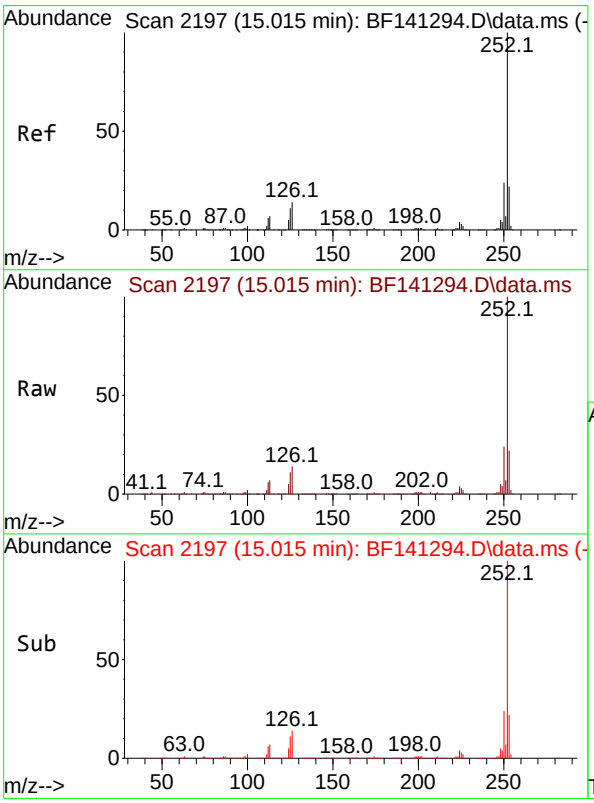
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.503 ng
RT: 16.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 702692

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.7	32.5
277	25.4	20.3	30.5

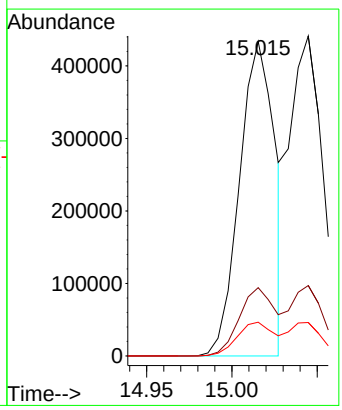


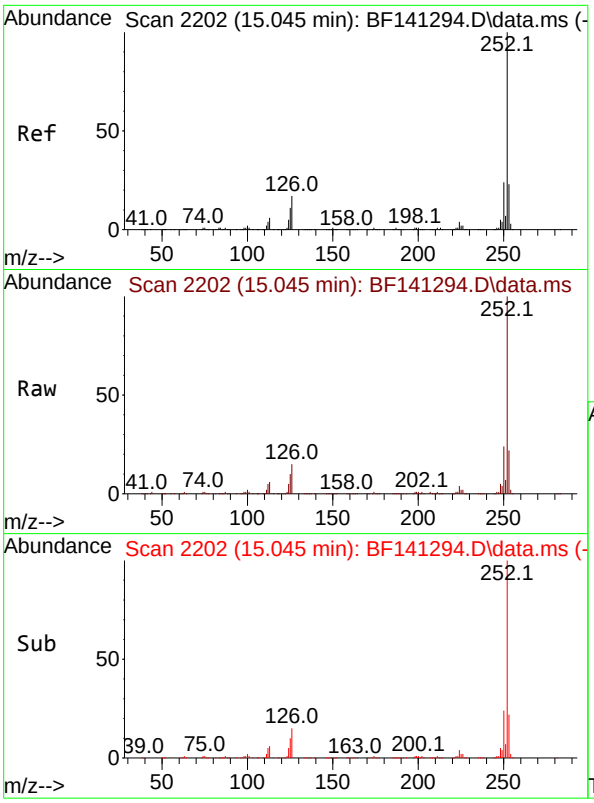


#88
Benzo(b)fluoranthene
Concen: 36.061 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 625758

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.7	8.6	12.8



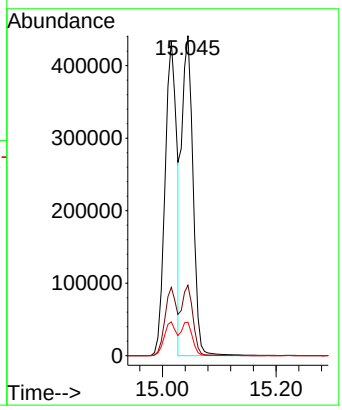


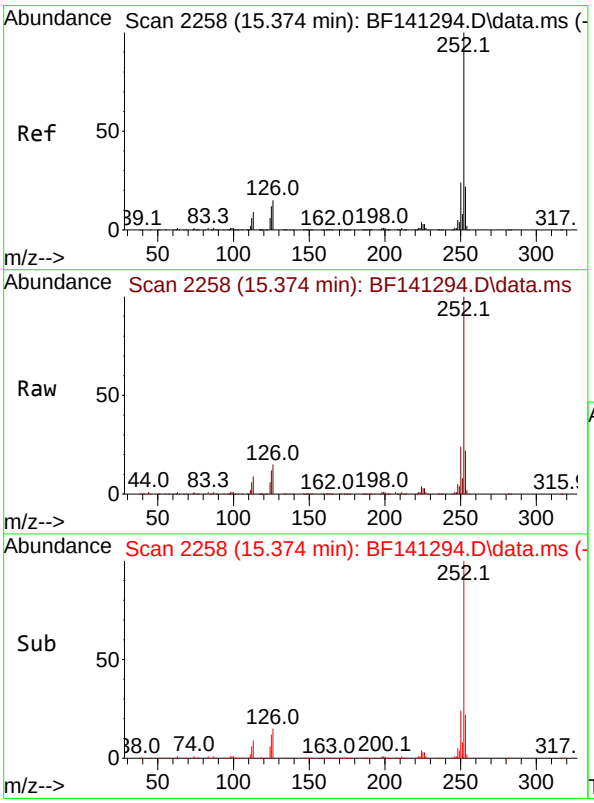
#89
Benzo(k)fluoranthene
Concen: 38.959 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 605401

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.5	8.4	12.6

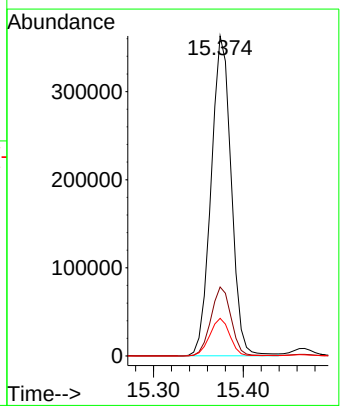


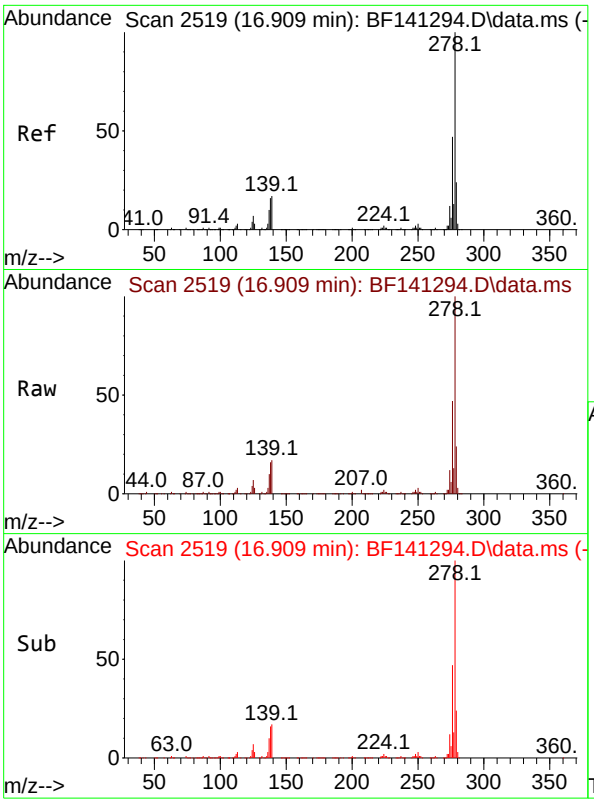


#90
Benzo(a)pyrene
Concen: 38.096 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 564975

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.8	9.4	14.2



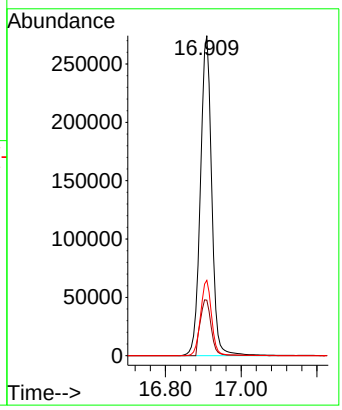


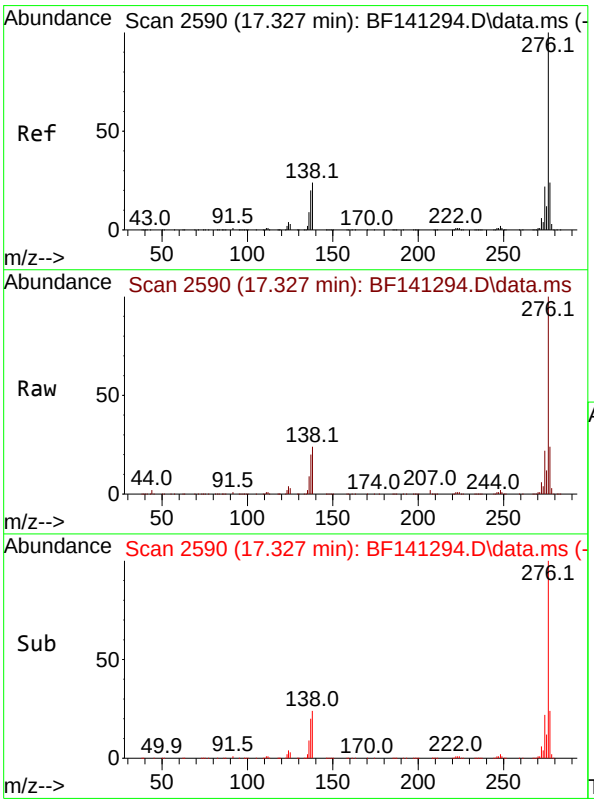
#91
Dibenzo(a,h)anthracene
Concen: 38.812 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 567762

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.9	20.9
279	23.5	18.8	28.2

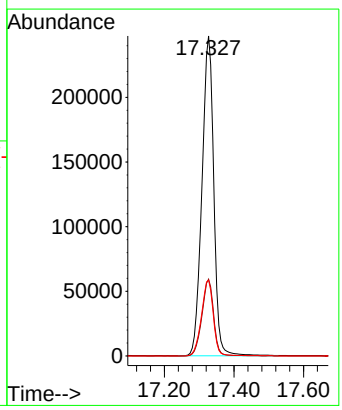




#92
Benzo(g,h,i)perylene
Concen: 37.870 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:276 Resp: 582768

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.7	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	130633	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	511843	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	269662	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	442506	20.000	ng		0.00
76) Chrysene-d12	13.968	240	226571	20.000	ng		0.00
86) Perylene-d12	15.439	264	272084	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	827672	97.984	ng		0.00
7) Phenol-d6	6.428	99	1052381	97.751	ng		0.00
23) Nitrobenzene-d5	7.369	82	955368	98.761	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	235884	95.997	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1620825	92.721	ng		0.00
79) Terphenyl-d14	12.916	244	1402103	95.222	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.493	88	187460	49.995	ng		98
3) Pyridine	3.222	79	455306	50.773	ng		100
4) n-Nitrosodimethylamine	3.181	42	262086	51.033	ng		100
6) Aniline	6.463	93	458390	50.942	ng		97
8) 2-Chlorophenol	6.587	128	441862	48.707	ng		98
9) Benzaldehyde	6.351	77	281326	44.996	ng		98
10) Phenol	6.445	94	553844	48.628	ng		95
11) bis(2-Chloroethyl)ether	6.539	93	424248	48.433	ng		98
12) 1,3-Dichlorobenzene	6.739	146	489386	48.913	ng		100
13) 1,4-Dichlorobenzene	6.816	146	490392	48.671	ng		99
14) 1,2-Dichlorobenzene	6.975	146	454569	48.279	ng		99
15) Benzyl Alcohol	6.939	79	371274	50.480	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	749938	49.280	ng		99
17) 2-Methylphenol	7.051	107	361469	49.214	ng		99
18) Hexachloroethane	7.310	117	182933	49.073	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	305749	47.753	ng		98
20) 3+4-Methylphenols	7.210	107	434743	48.143	ng		94
22) Acetophenone	7.210	105	574700	47.365	ng	#	97
24) Nitrobenzene	7.386	77	492082	49.046	ng		98
25) Isophorone	7.622	82	818496	48.959	ng		99
26) 2-Nitrophenol	7.698	139	242228	51.545	ng		99
27) 2,4-Dimethylphenol	7.734	122	300079m	49.969	ng		
28) bis(2-Chloroethoxy)met...	7.833	93	518825	48.701	ng		99
29) 2,4-Dichlorophenol	7.939	162	363275	49.507	ng		100
30) 1,2,4-Trichlorobenzene	8.022	180	406562	48.309	ng		100
31) Naphthalene	8.104	128	1304758	48.468	ng		100
32) Benzoic acid	7.857	122	308525	56.571	ng		99
33) 4-Chloroaniline	8.151	127	449543	49.712	ng		100
34) Hexachlorobutadiene	8.222	225	243308	49.395	ng		99
35) Caprolactam	8.528	113	120078	50.594	ng		97
36) 4-Chloro-3-methylphenol	8.633	107	385683	48.973	ng		98
37) 2-Methylnaphthalene	8.792	142	822986	48.006	ng		99
38) 1-Methylnaphthalene	8.892	142	799136	47.586	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	373963	48.774	ng		100
41) Hexachlorocyclopentadiene	8.945	237	122470	53.227	ng		100
43) 2,4,6-Trichlorophenol	9.069	196	252974	50.545	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	263745	48.438	ng	98
46) 1,1'-Biphenyl	9.263	154	1005774	47.808	ng	99
47) 2-Chloronaphthalene	9.286	162	781613	47.835	ng	99
48) 2-Nitroaniline	9.380	65	257199	49.907	ng	98
49) Acenaphthylene	9.698	152	1092234	47.595	ng	100
50) Dimethylphthalate	9.563	163	875569	48.419	ng	100
51) 2,6-Dinitrotoluene	9.622	165	204917	48.697	ng	98
52) Acenaphthene	9.875	154	789039	48.322	ng	100
53) 3-Nitroaniline	9.792	138	197832	47.528	ng	99
54) 2,4-Dinitrophenol	9.898	184	105313	53.096	ng	96
55) Dibenzofuran	10.045	168	1028182	47.082	ng	100
56) 4-Nitrophenol	9.951	139	155594	52.067	ng	99
57) 2,4-Dinitrotoluene	10.027	165	264325	48.700	ng	97
58) Fluorene	10.386	166	784644	46.215	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	205508	47.772	ng	98
60) Diethylphthalate	10.263	149	834803	47.668	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	380948	45.976	ng	99
62) 4-Nitroaniline	10.404	138	198241	49.579	ng	98
63) Azobenzene	10.539	77	841797	47.955	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	144574	54.710	ng	97
66) n-Nitrosodiphenylamine	10.498	169	688202	47.968	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	241123	48.745	ng	99
68) Hexachlorobenzene	10.933	284	253174	48.250	ng	100
69) Atrazine	11.027	200	237991	49.457	ng	98
70) Pentachlorophenol	11.127	266	161568	52.515	ng	99
71) Phenanthrene	11.351	178	1114920	46.903	ng	99
72) Anthracene	11.404	178	1105681	47.686	ng	100
73) Carbazole	11.557	167	971542	47.304	ng	99
74) Di-n-butylphthalate	11.892	149	1162607	46.961	ng	100
75) Fluoranthene	12.539	202	1065514	45.923	ng	100
77) Benzidine	12.663	184	513358	74.515	ng	99
78) Pyrene	12.768	202	1059044	48.410	ng	99
80) Butylbenzylphthalate	13.392	149	371889	49.222	ng	99
81) Benzo(a)anthracene	13.963	228	778922	50.158	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	270572	55.645	ng	99
83) Chrysene	13.998	228	717569	49.829	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	470441	49.620	ng	99
85) Di-n-octyl phthalate	14.586	149	773037	52.127	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	916714	51.584	ng	100
88) Benzo(b)fluoranthene	15.015	252	860351	50.916	ng	100
89) Benzo(k)fluoranthene	15.045	252	713500	47.153	ng	99
90) Benzo(a)pyrene	15.380	252	721834	49.985	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	739397	51.907	ng	100
92) Benzo(g,h,i)perylene	17.333	276	764064	50.990	ng	99

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

ICAL Form

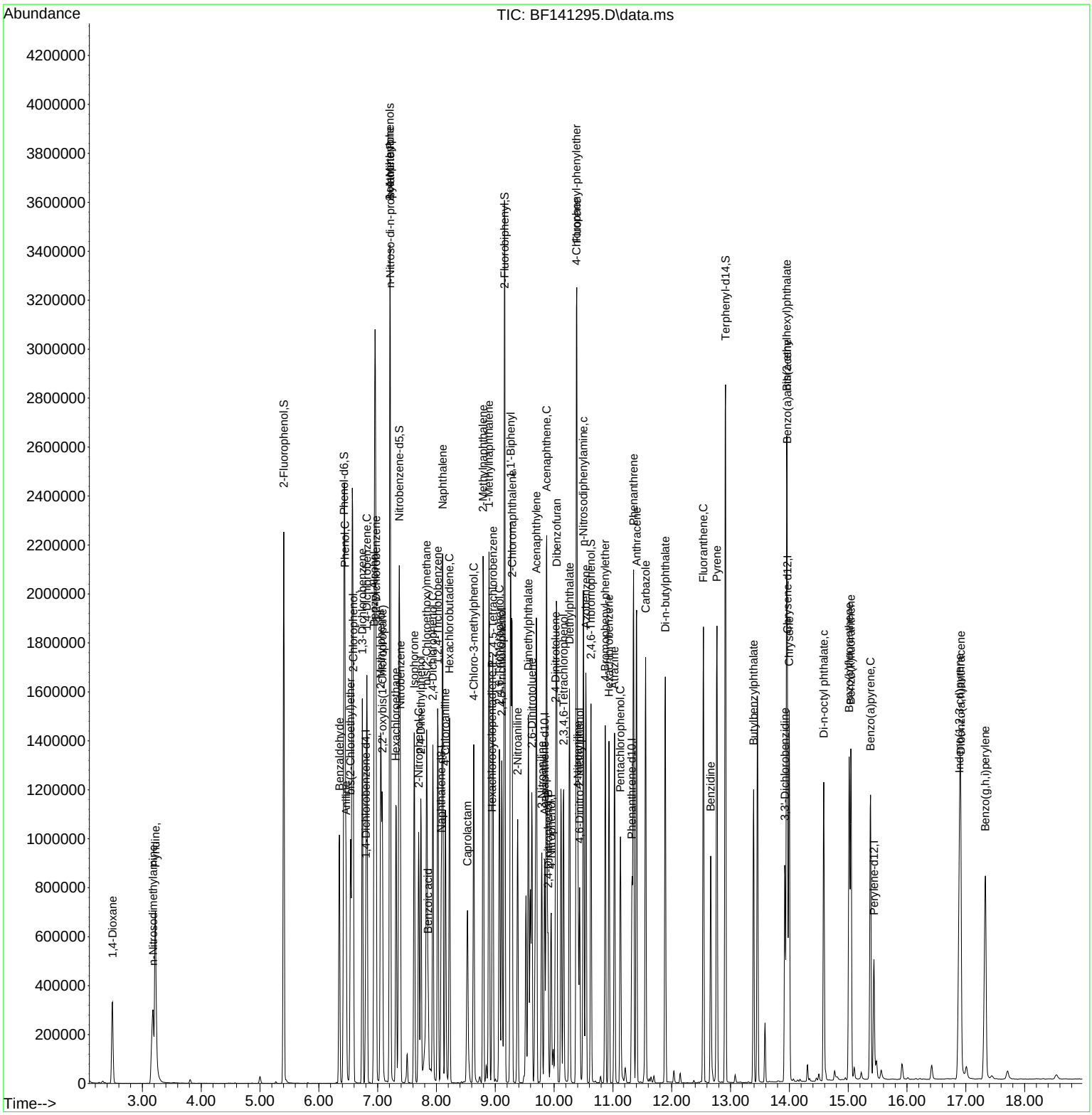
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

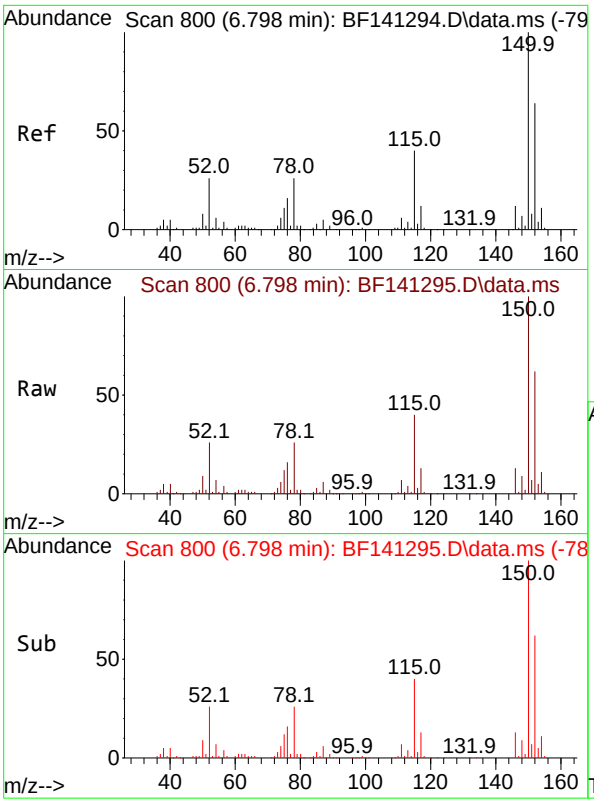
Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

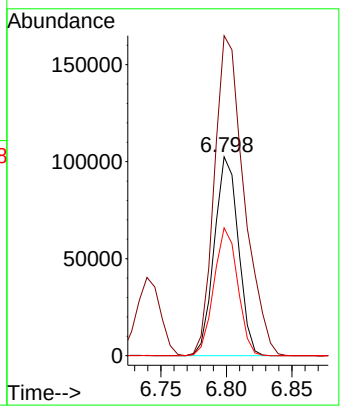




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:152 Resp: 13063

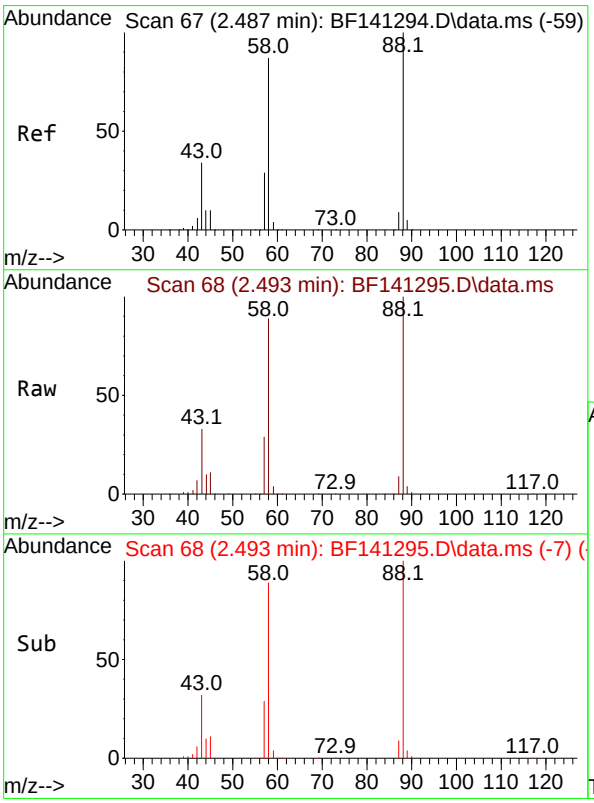
Ion	Ratio	Lower	Upper
152	100		
150	160.9	125.9	188.9
115	64.3	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

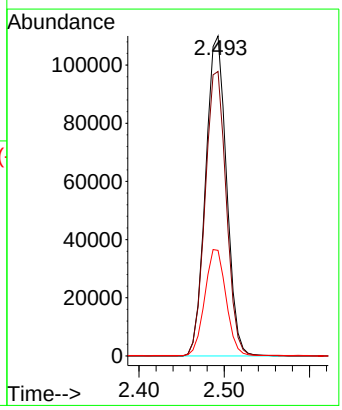
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

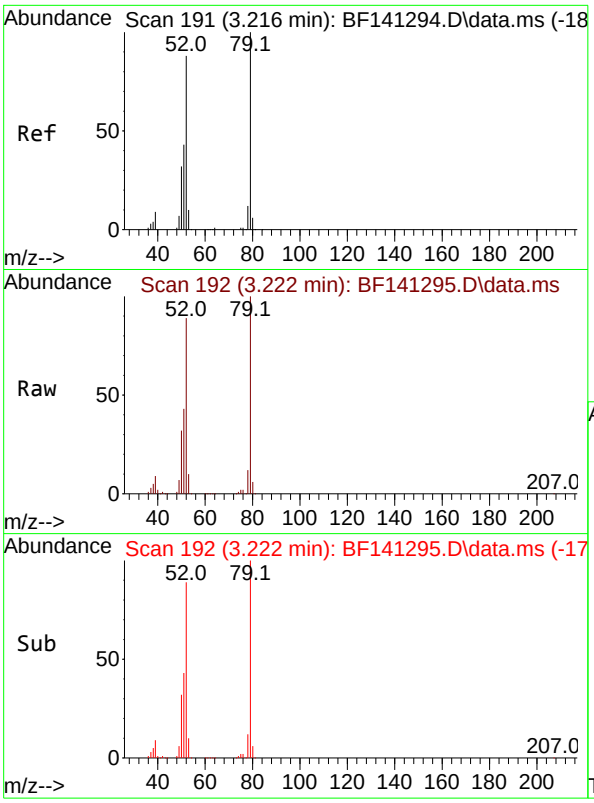


#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 88 Resp: 187460

Ion	Ratio	Lower	Upper
88	100		
58	89.8	70.2	105.4
43	33.5	27.6	41.4

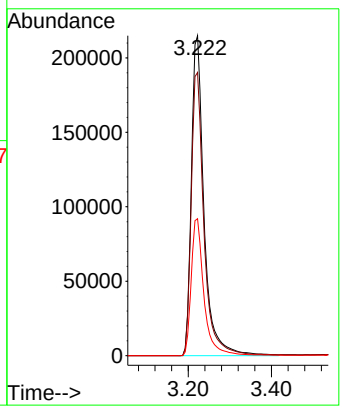




#3
Pyridine
Concen: 50.773 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 79 Resp: 45530

Ion	Ratio	Lower	Upper
79	100		
52	88.5	70.3	105.5
51	42.8	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
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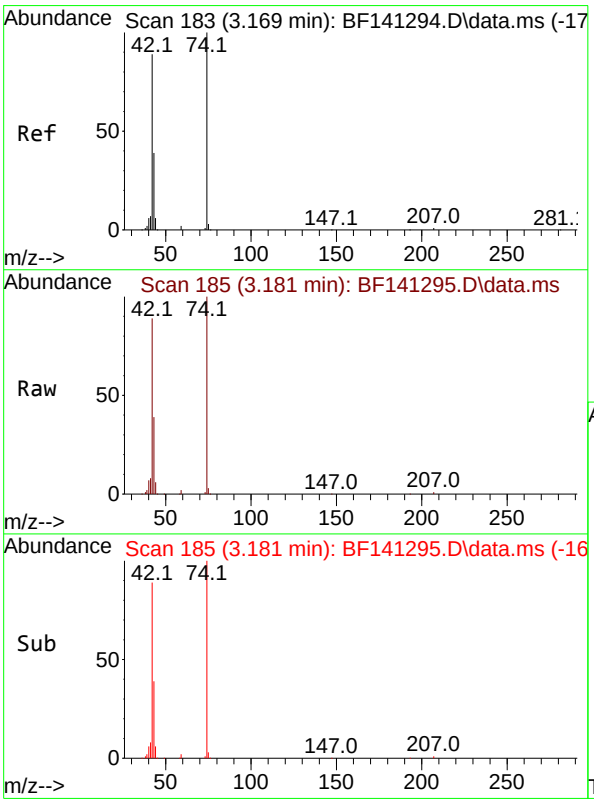
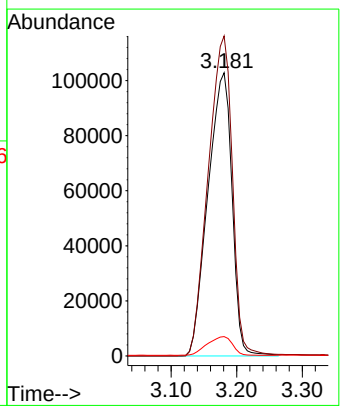
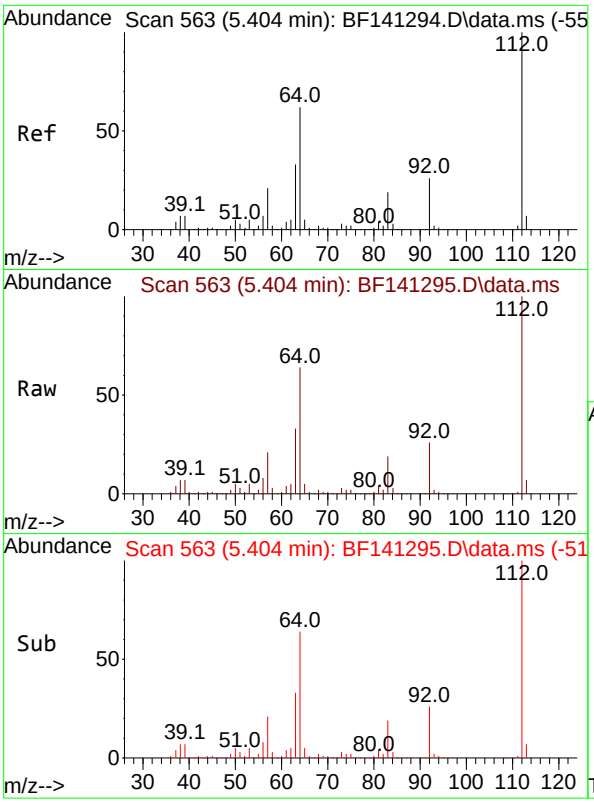


#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 42 Resp: 262086

Ion	Ratio	Lower	Upper
42	100		
74	113.0	90.3	135.5
44	6.8	5.7	8.5





#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:112 Resp: 82767

Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.8	74.8
63	32.7	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
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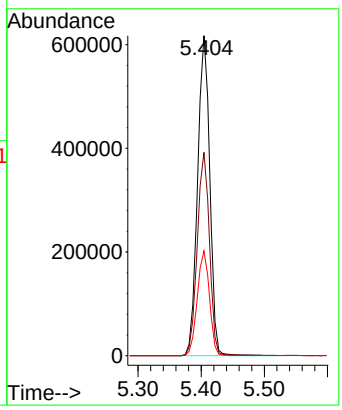
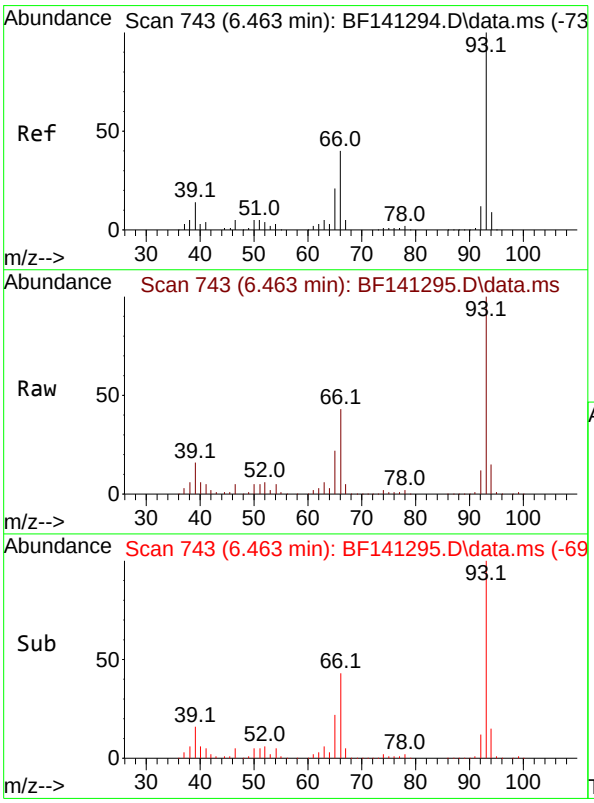
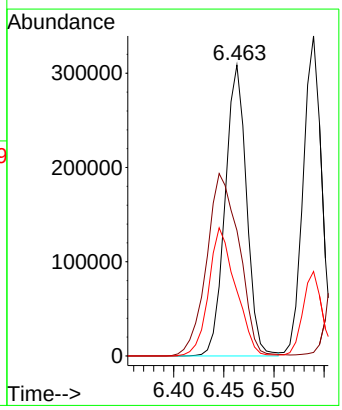


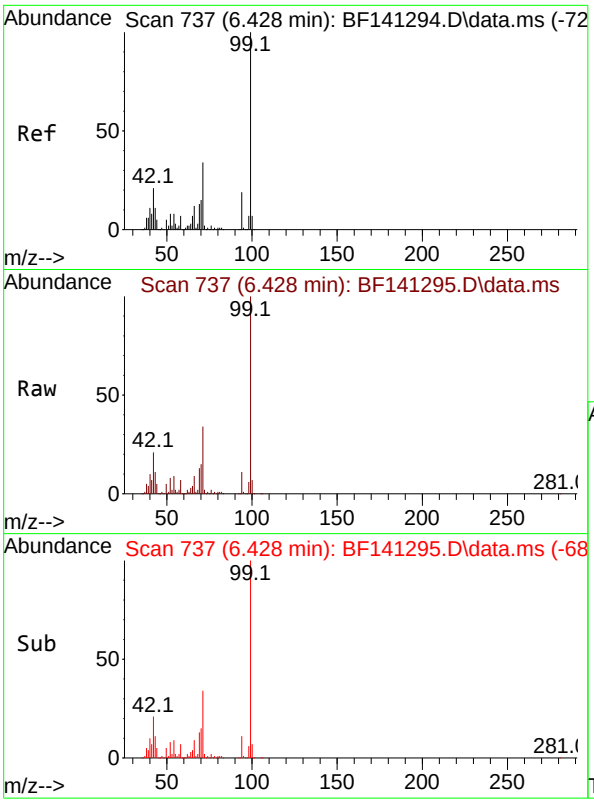


#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 458390

Ion	Ratio	Lower	Upper
93	100		
66	43.2	32.5	48.7
65	22.4	17.0	25.6

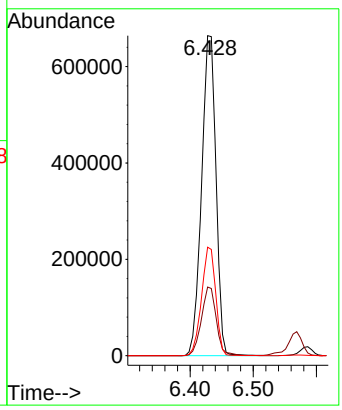




#7
Phenol-d6
Concen: 97.751 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 99 Resp: 105238

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	33.9	26.9	40.3



Instrument :
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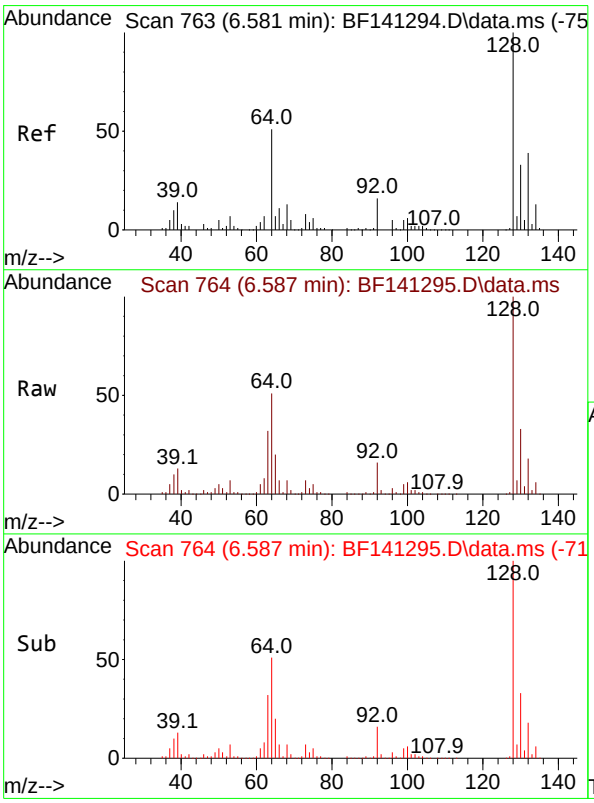
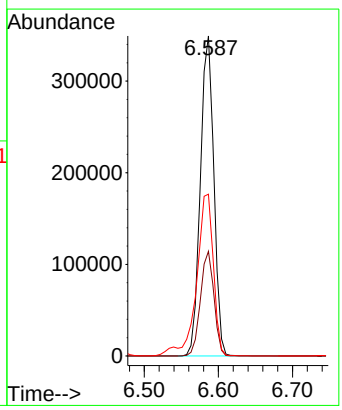
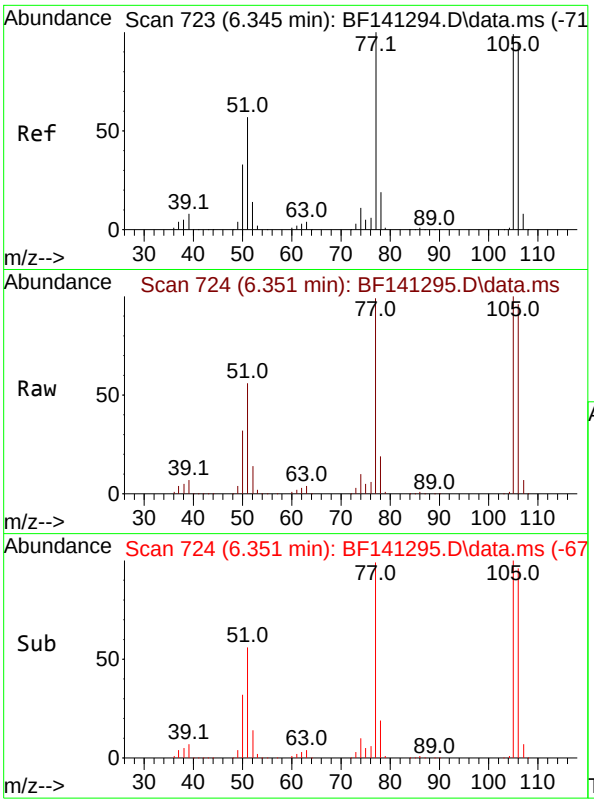


#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:128 Resp: 441862

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	50.5	32.9	72.9

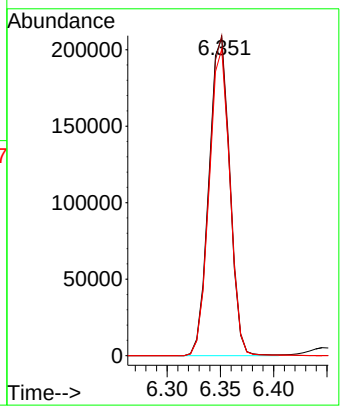




#9
Benzaldehyde
Concen: 44.996 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 28132

Ion	Ratio	Lower	Upper
77	100		
105	100.8	79.4	119.4
106	96.5	74.6	114.6



Instrument :
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ClientSampleId :
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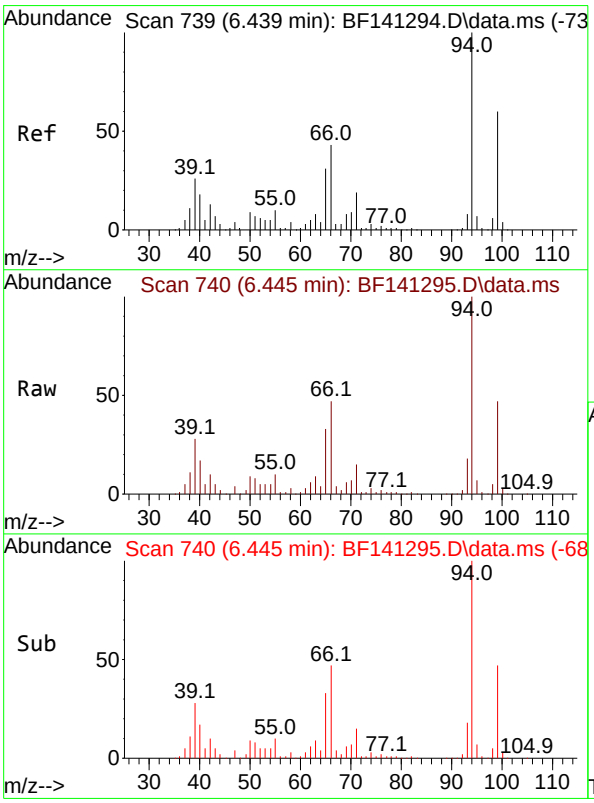
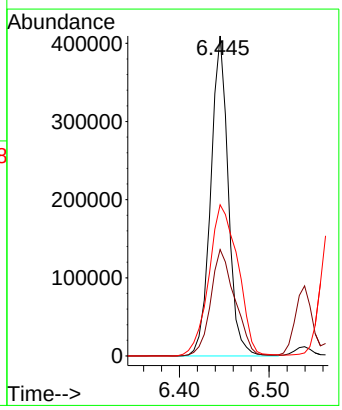
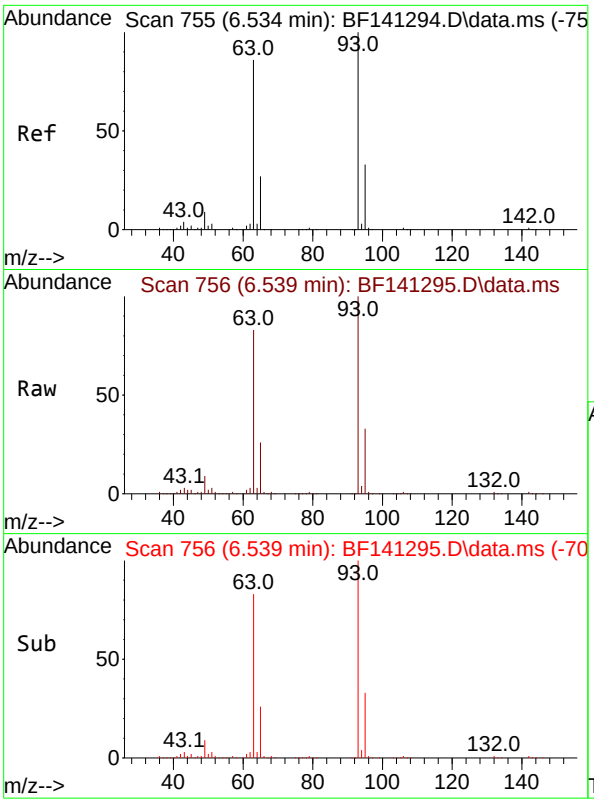


#10
Phenol
Concen: 48.628 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 94 Resp: 553844

Ion	Ratio	Lower	Upper
94	100		
65	33.2	10.8	50.8
66	47.3	23.3	63.3





#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 42424

Ion	Ratio	Lower	Upper
93	100		
63	83.2	65.0	105.0
95	32.9	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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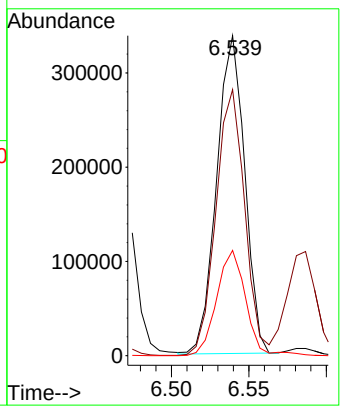
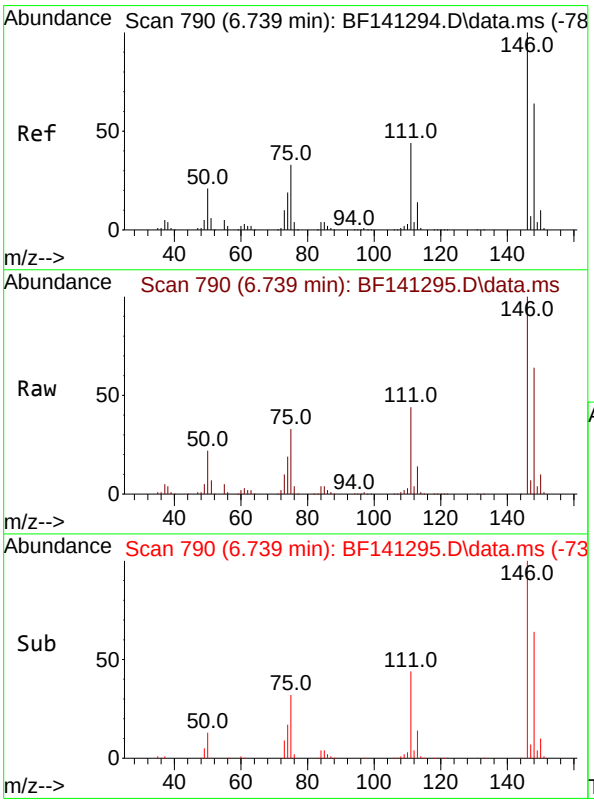
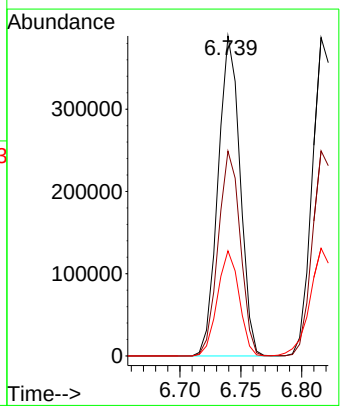


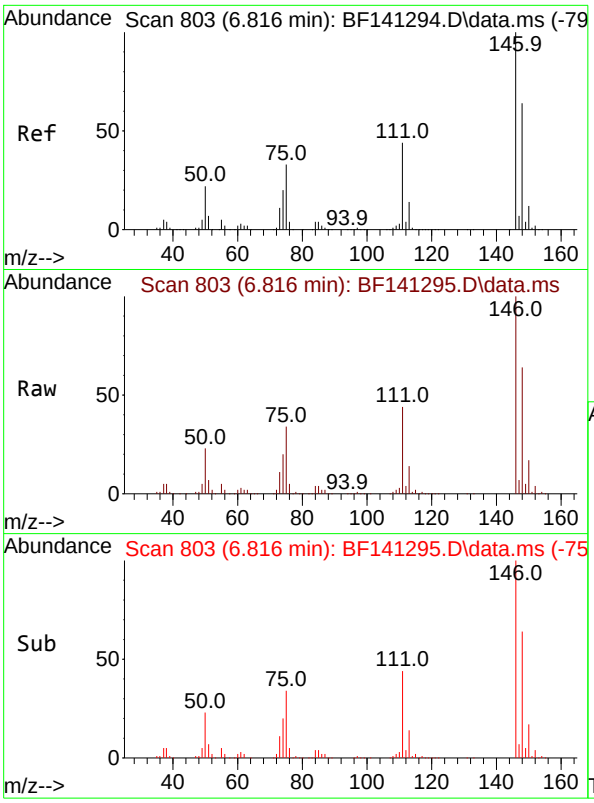


#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 489386

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	32.9	26.2	39.4

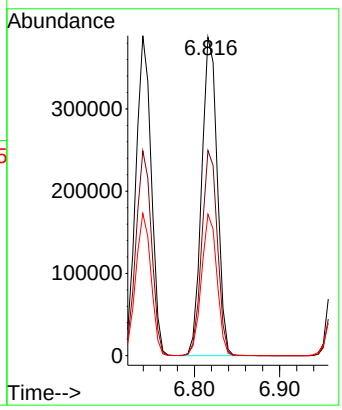




#13
1,4-Dichlorobenzene
Concen: 48.671 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 49039

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
111	44.4	35.0	52.4



Instrument :
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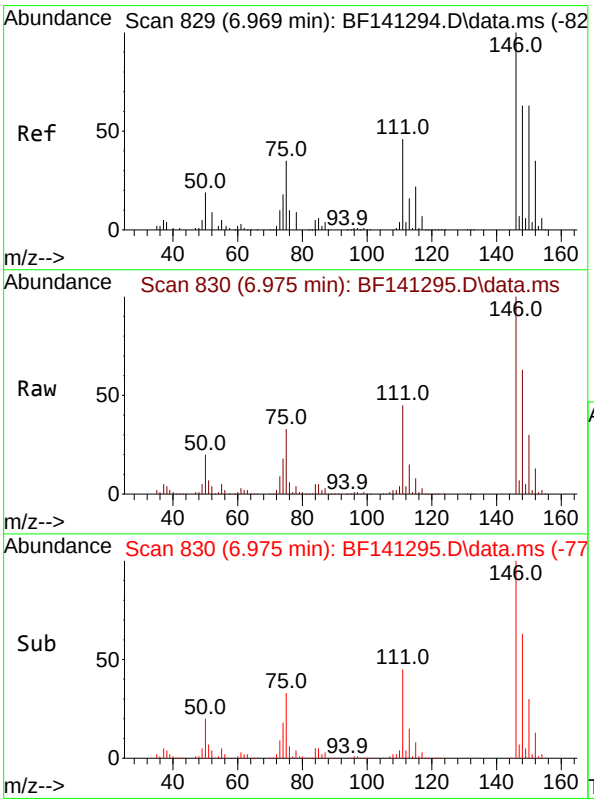
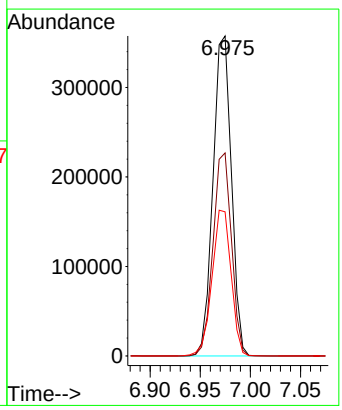
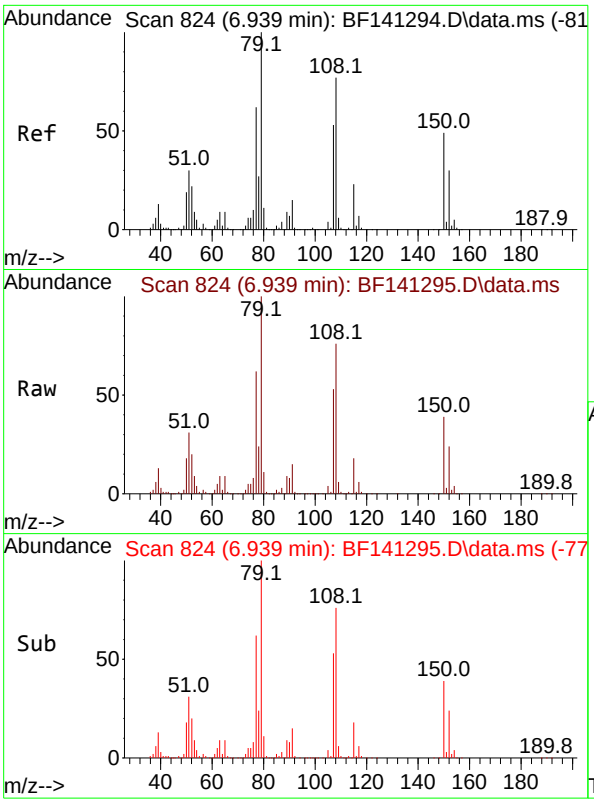


#14
1,2-Dichlorobenzene
Concen: 48.279 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 454569

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.5	75.7
111	45.1	36.6	55.0





#15
Benzyl Alcohol
Concen: 50.480 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 79 Resp: 37127

Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.4	92.0
77	62.1	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
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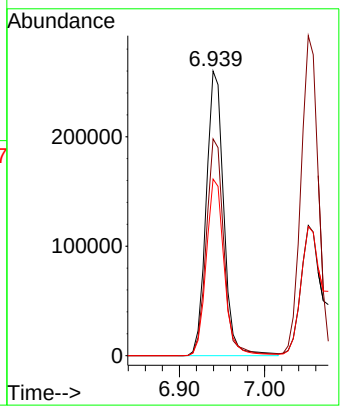
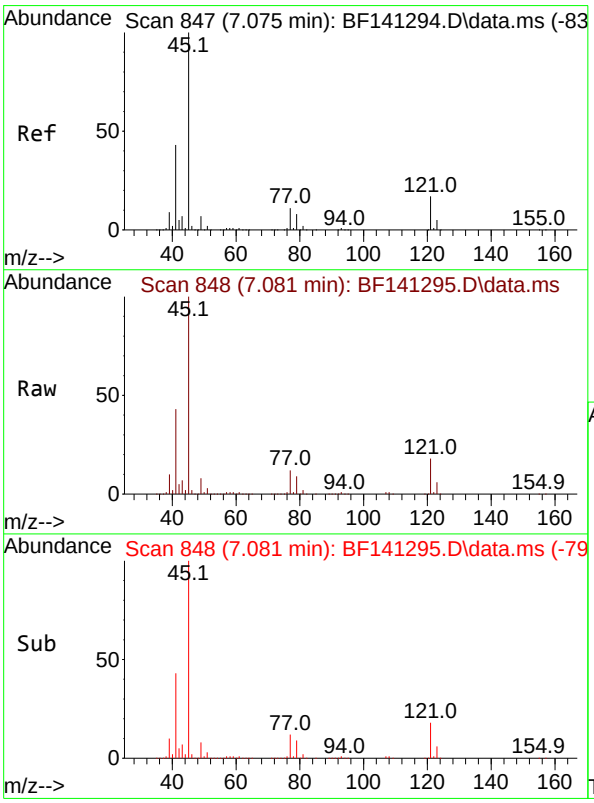
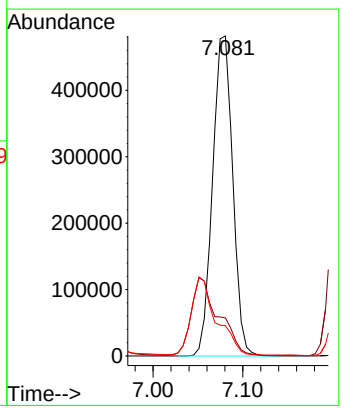


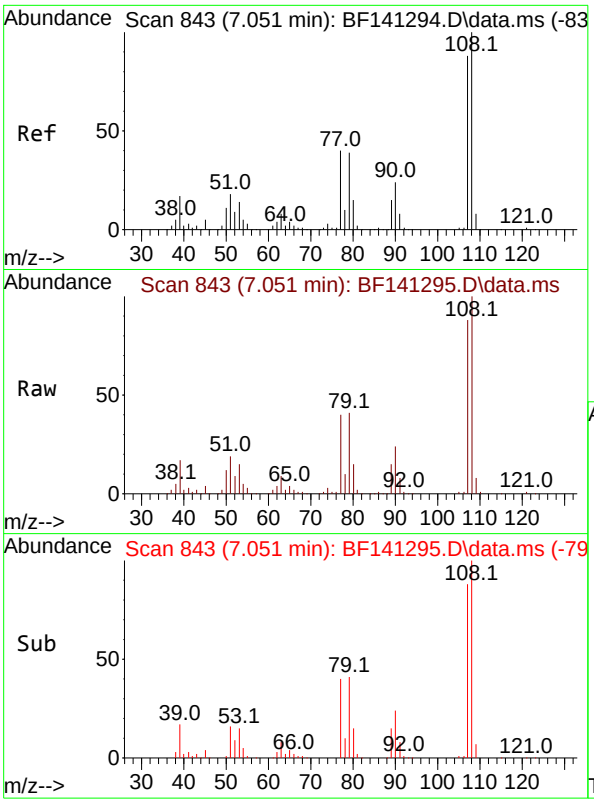


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 45 Resp: 749938

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	9.5	0.0	29.1

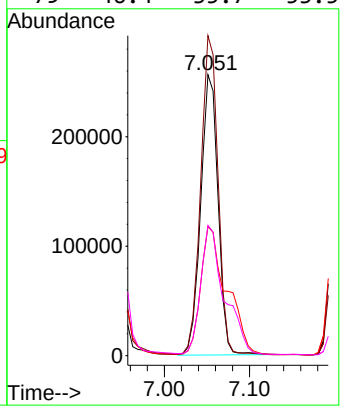




#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 36146

Ion	Ratio	Lower	Upper
107	100		
108	113.9	90.8	136.2
77	46.0	36.2	54.4
79	46.4	35.7	53.5



Instrument :
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ClientSampleId :
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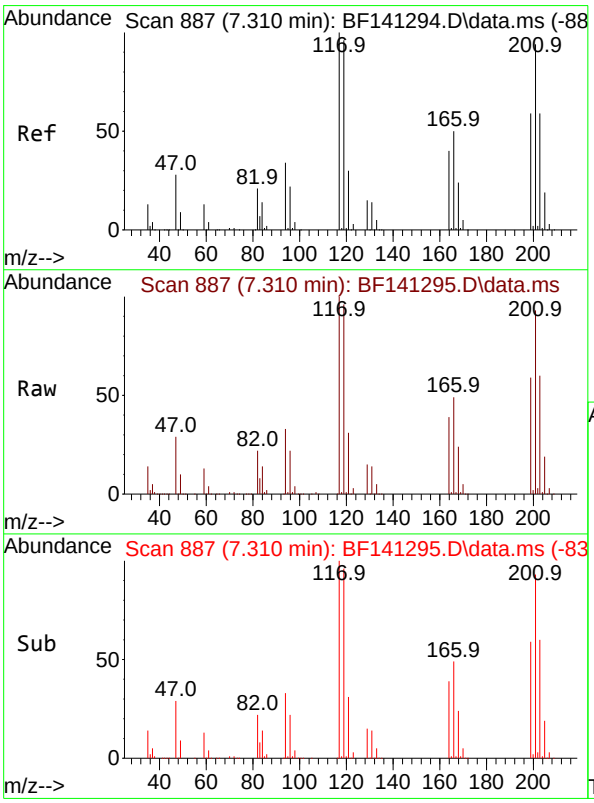
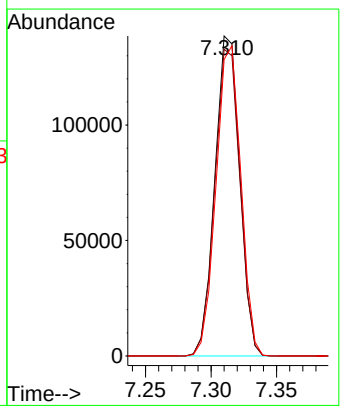
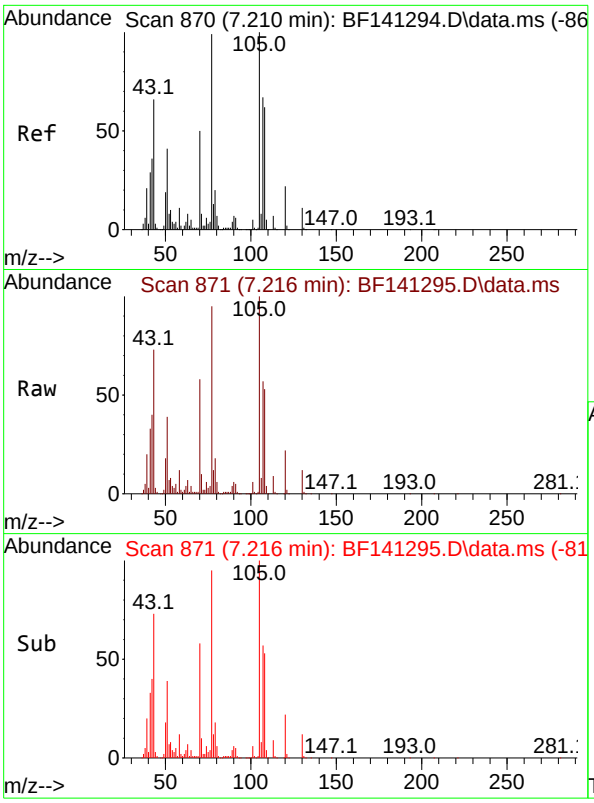


#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:117 Resp: 182933

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	114.8
201	92.7	74.8	112.2

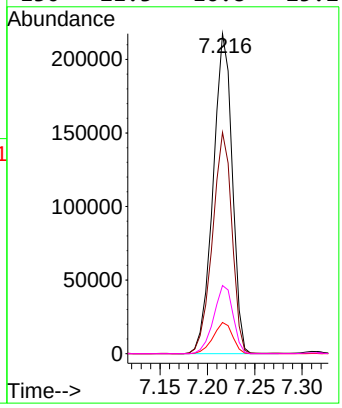




#19
n-Nitroso-di-n-propylamine
Concen: 47.753 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 70 Resp: 30574

Ion	Ratio	Lower	Upper
70	100		
42	69.2	56.8	85.2
101	9.7	7.7	11.5
130	21.3	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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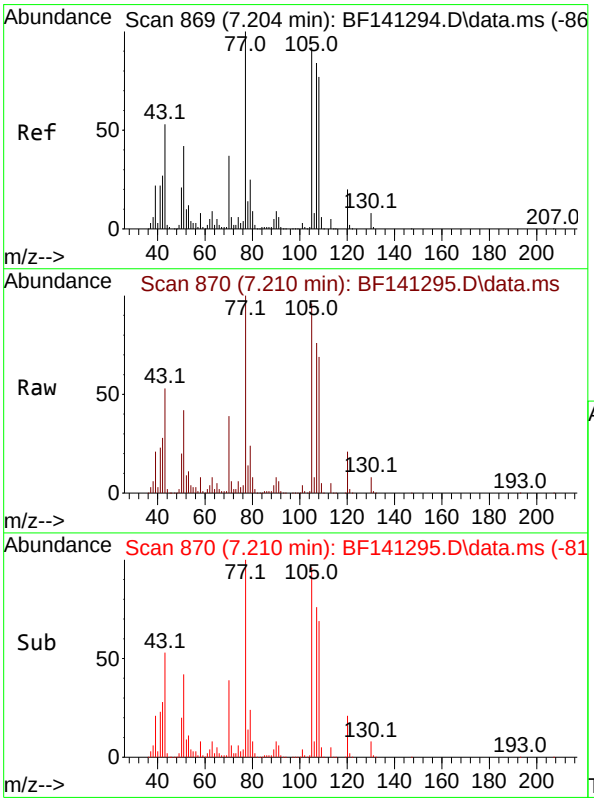
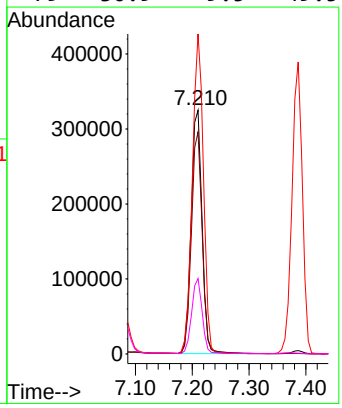
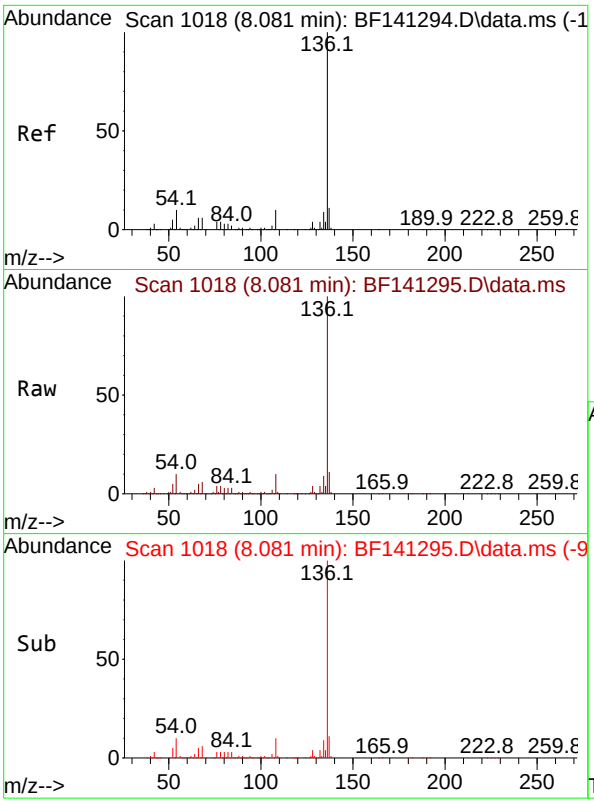


#20
3+4-Methylphenols
Concen: 48.143 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 434743

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.9	110.9
77	131.3	98.5	138.5
79	30.9	9.5	49.5

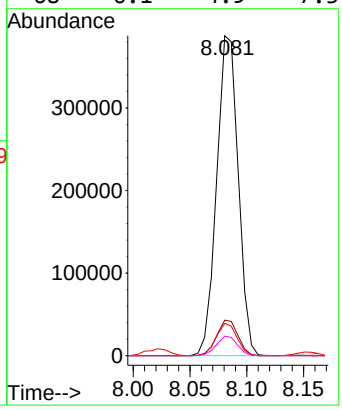




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:136 Resp: 51184

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.1	7.8	11.8
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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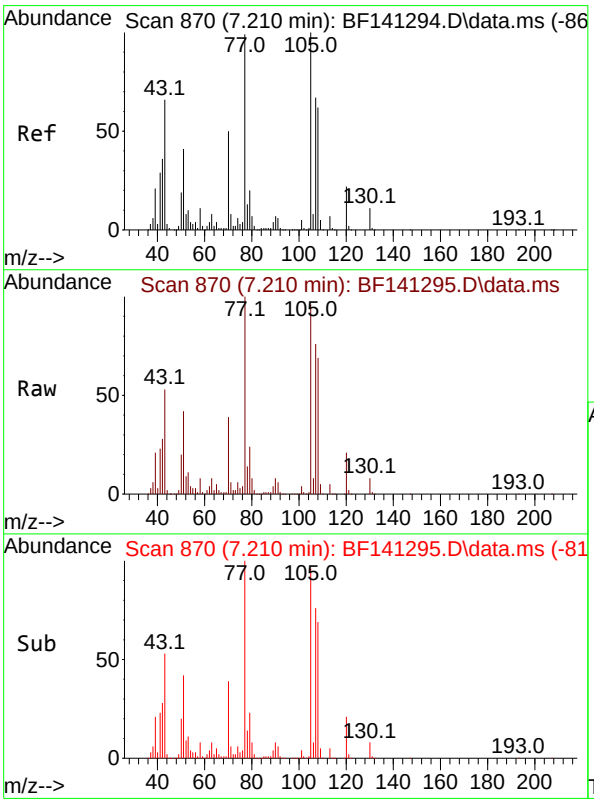
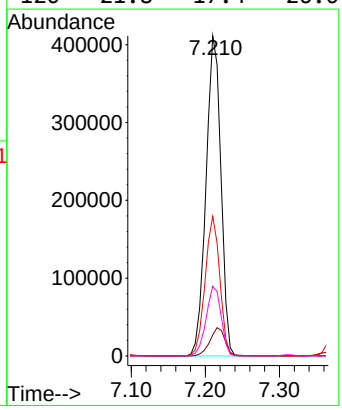
Supervised By :mohammad ahmed 02/04/2025

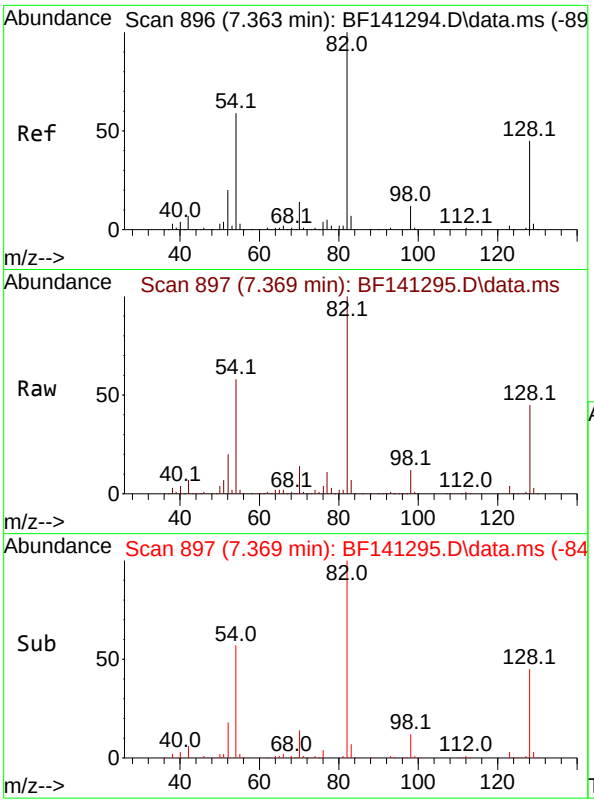


#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:105 Resp: 574700

Ion	Ratio	Lower	Upper
105	100		
71	6.6	6.8	10.2#
51	43.6	32.6	49.0
120	21.8	17.4	26.0

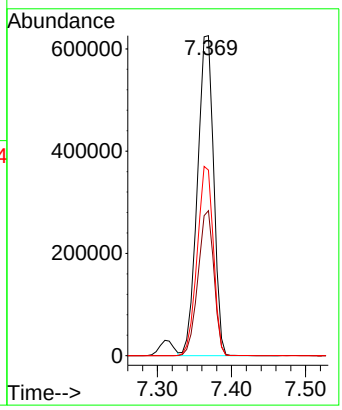




#23
Nitrobenzene-d5
Concen: 98.761 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 82 Resp: 95536

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	58.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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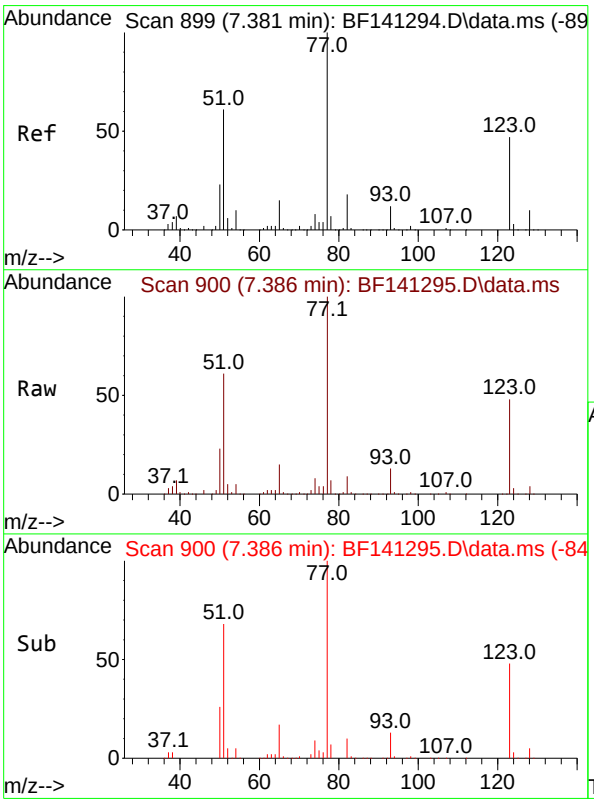
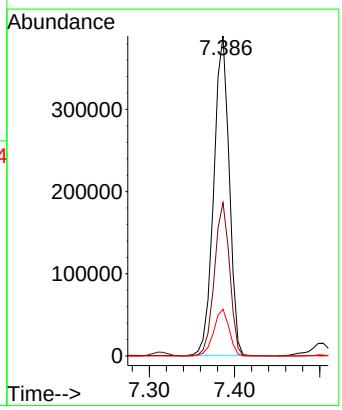
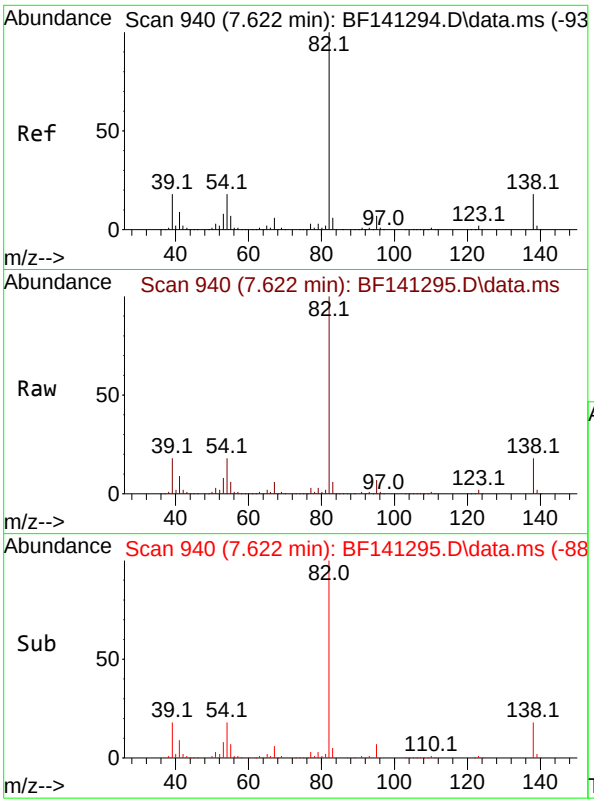


#24
Nitrobenzene
Concen: 49.046 ng
RT: 7.386 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 492082

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.3	55.9
65	14.6	11.8	17.6

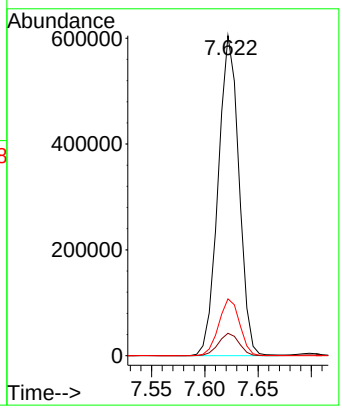




#25
Isophorone
Concen: 48.959 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 82 Resp: 81849

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	17.7	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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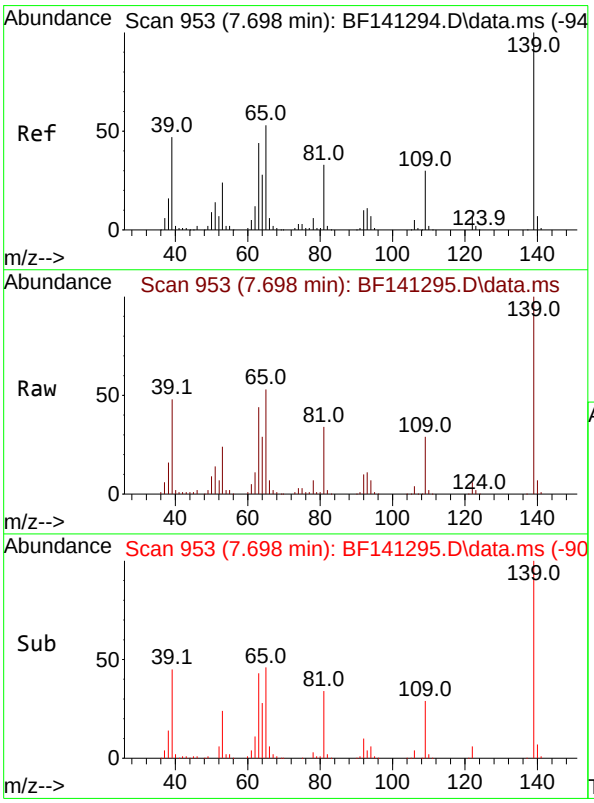
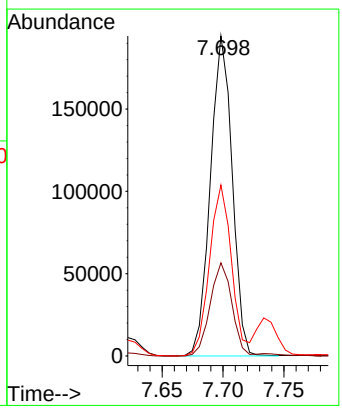
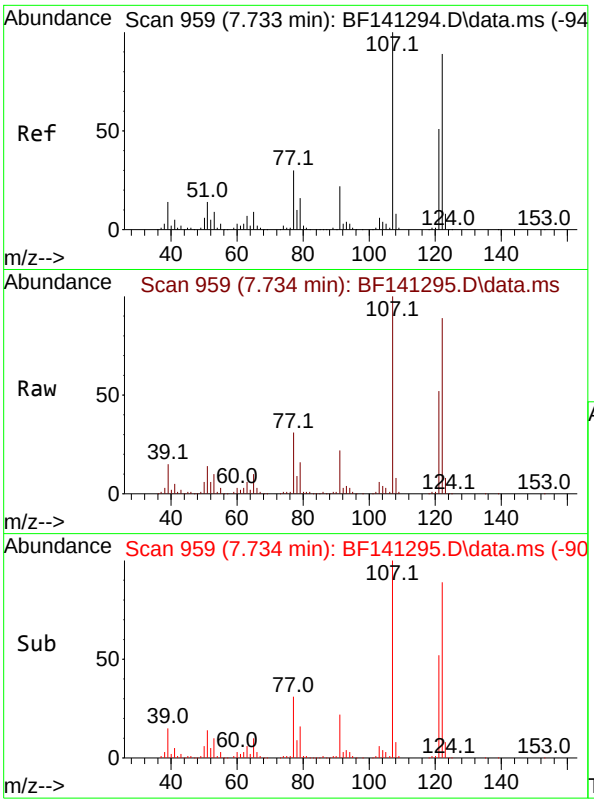


#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 242228

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.8	35.6
65	53.4	42.2	63.4

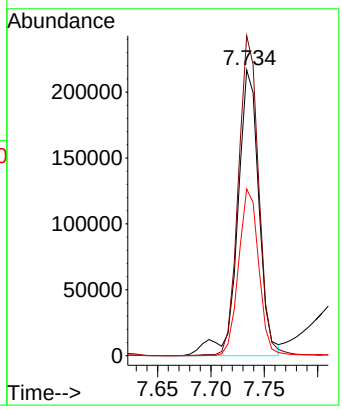




#27
2,4-Dimethylphenol
Concen: 49.969 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 30007

Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	58.3	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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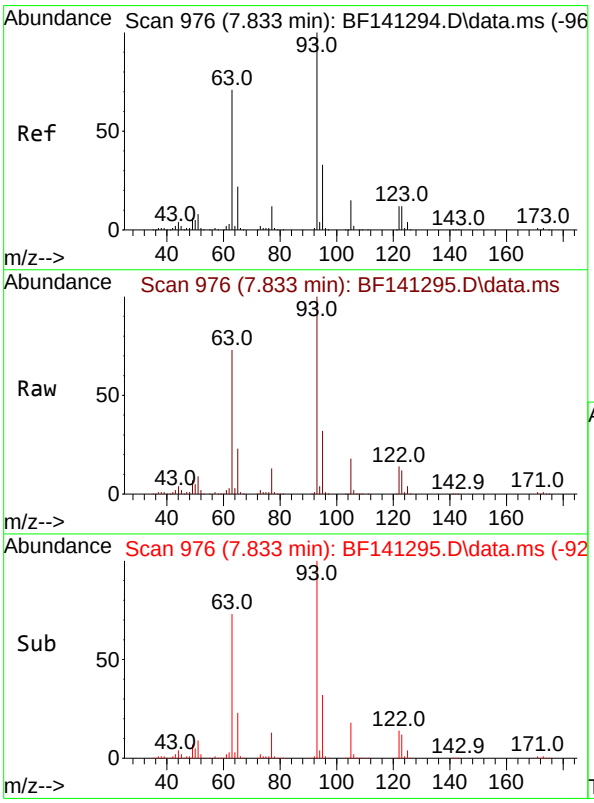
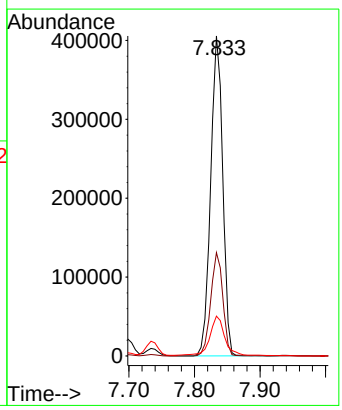
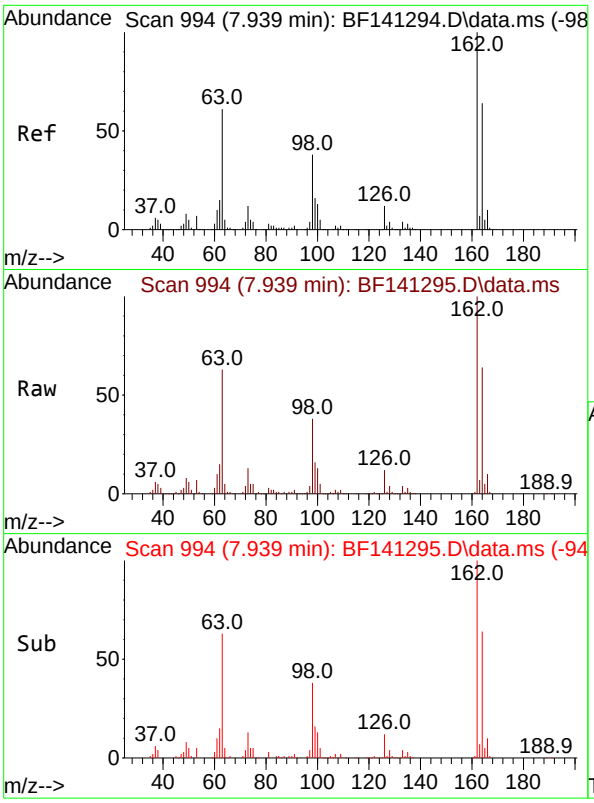


#28
bis(2-Chloroethoxy)methane
Concen: 48.701 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 518825

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.4	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 49.507 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:162 Resp: 36327

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	38.4	18.2	58.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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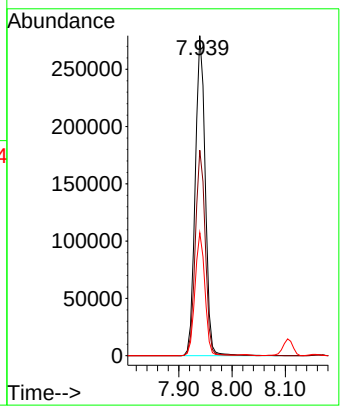
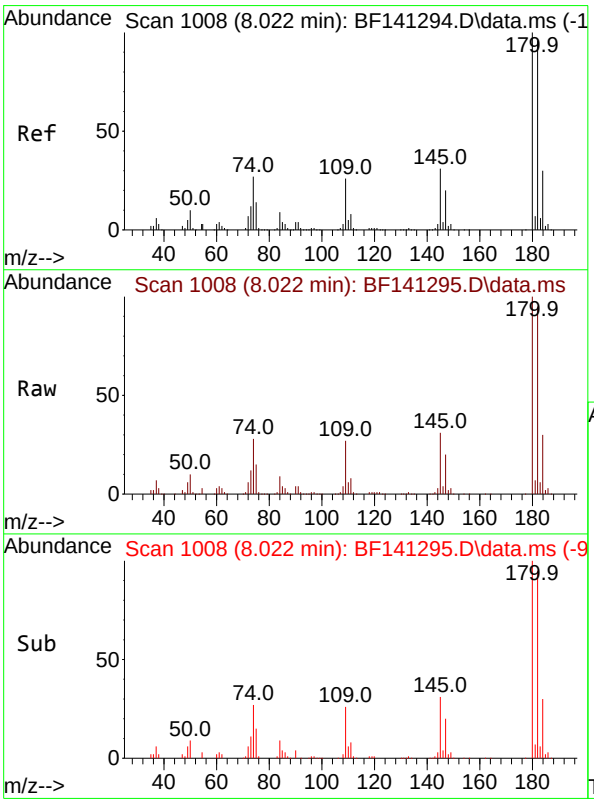
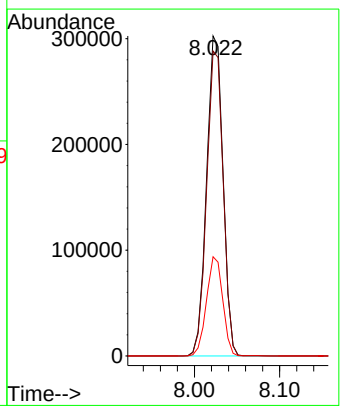


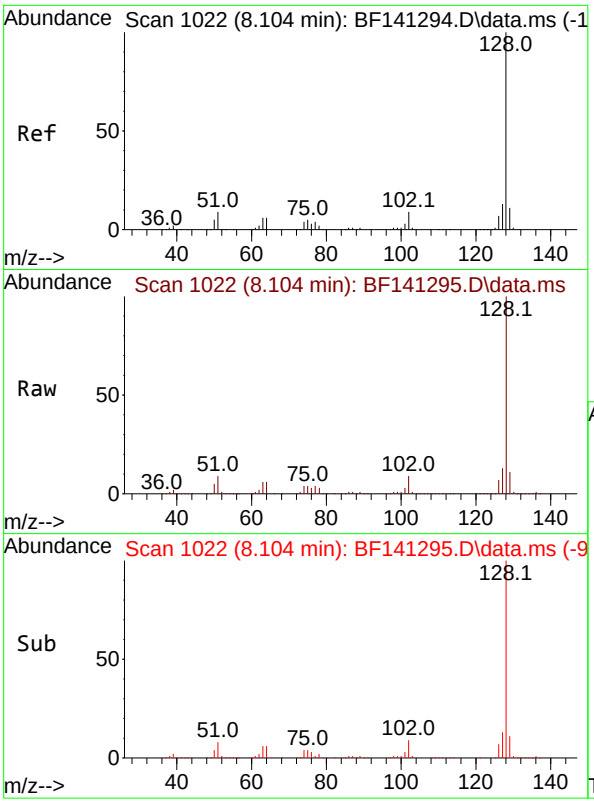


#30
1,2,4-Trichlorobenzene
Concen: 48.309 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:180 Resp: 406562

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	31.0	24.9	37.3





#31
Naphthalene
Concen: 48.468 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 130475

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.3	10.6	15.8

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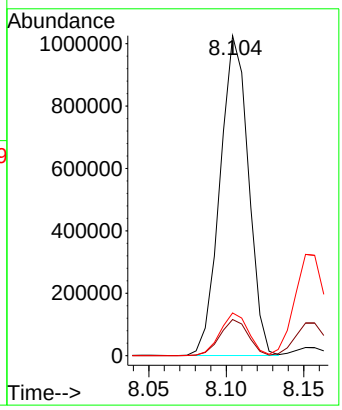
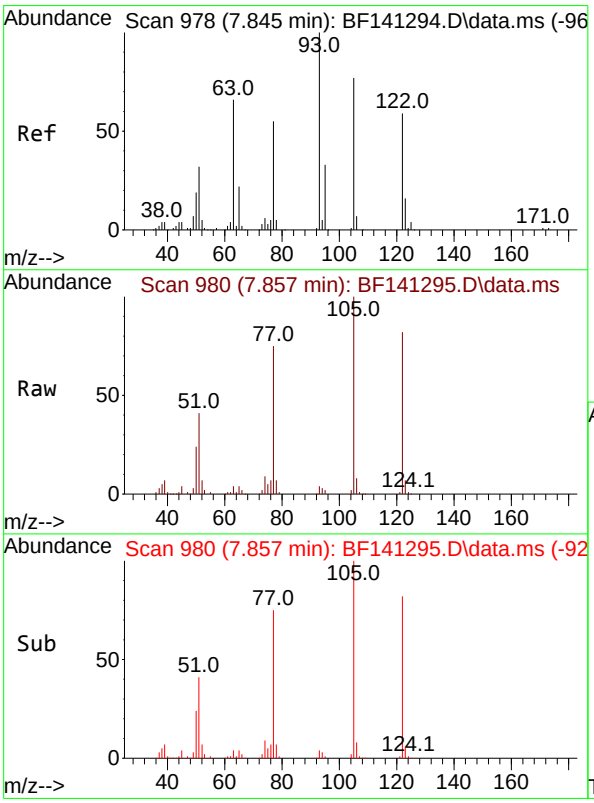
Supervised By :mohammad ahmed 02/04/2025

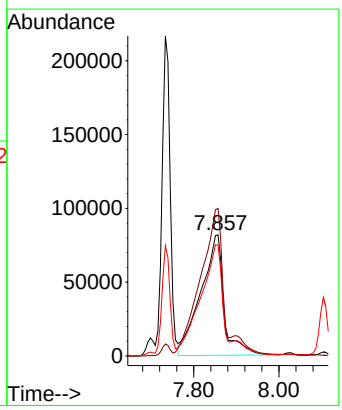


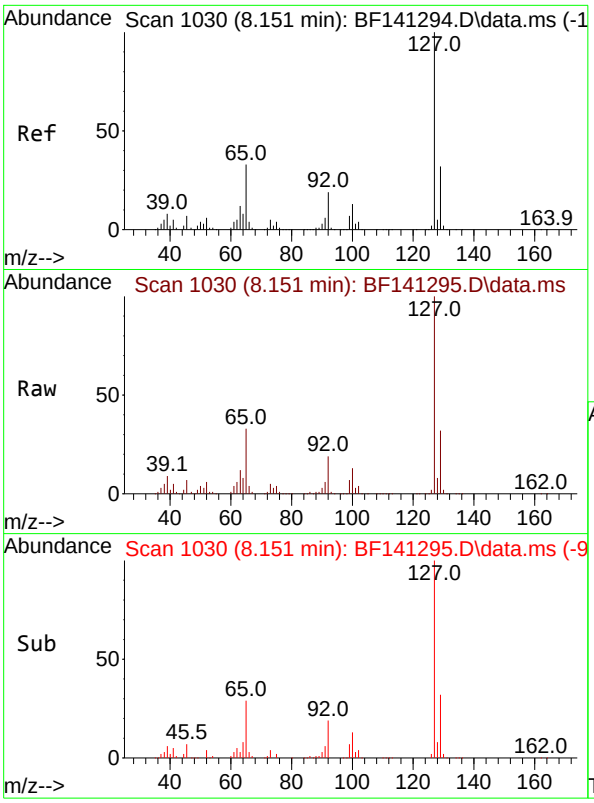


#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 308525

Ion	Ratio	Lower	Upper
122	100		
105	121.7	103.4	143.4
77	91.5	70.9	110.9

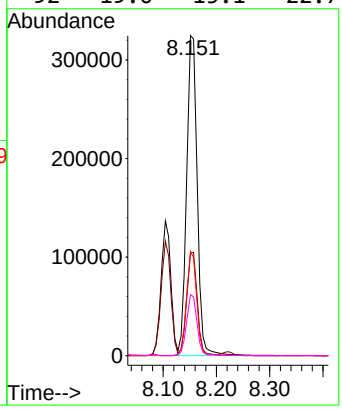




#33
4-Chloroaniline
Concen: 49.712 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:127 Resp: 44954

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	32.6	26.4	39.6
92	19.0	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
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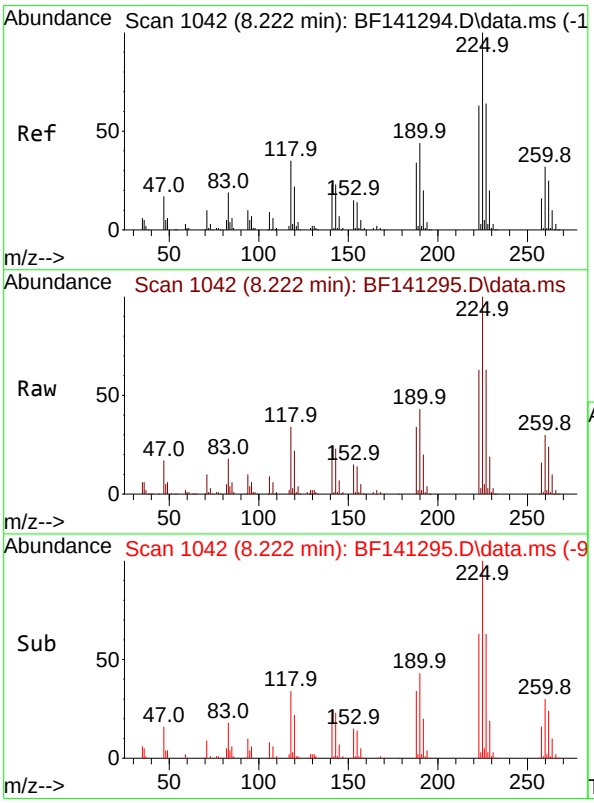
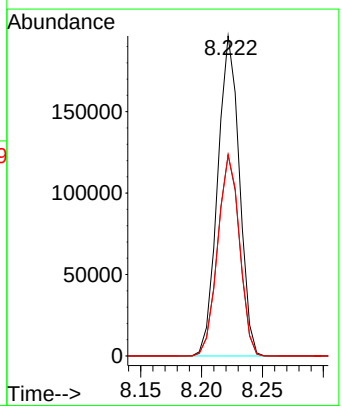
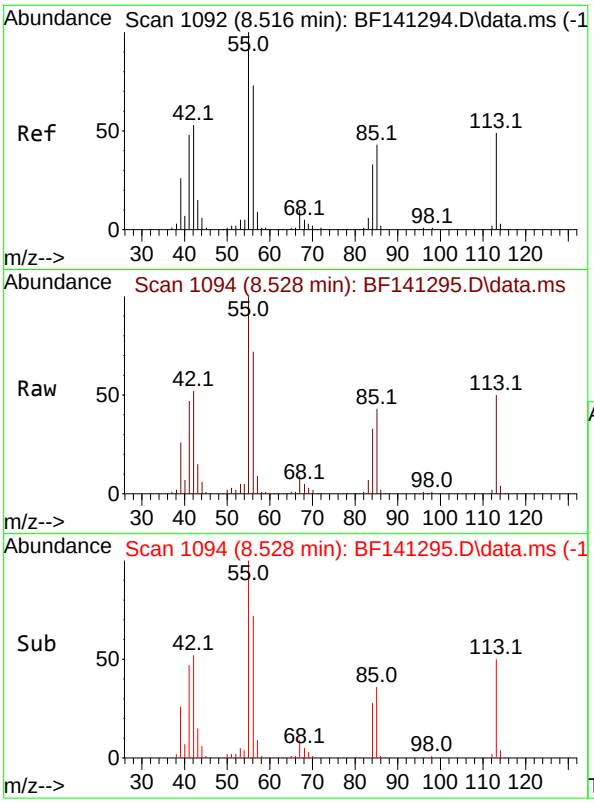


#34
Hexachlorobutadiene
Concen: 49.395 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:225 Resp: 243308

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6
227	62.9	51.3	76.9





#35
Caprolactam
Concen: 50.594 ng
RT: 8.528 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:113 Resp: 12007

Ion	Ratio	Lower	Upper
113	100		
55	199.5	182.9	222.9
56	143.7	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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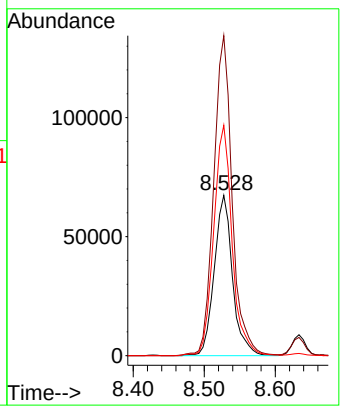
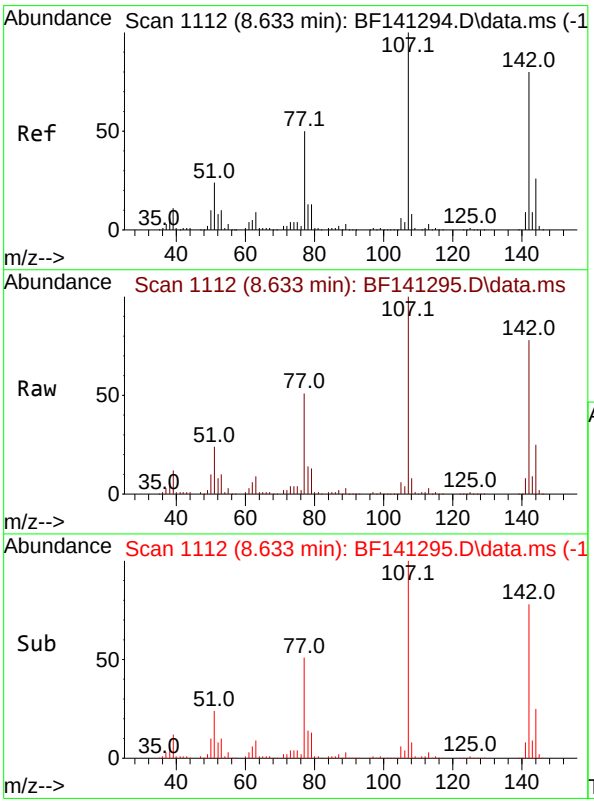
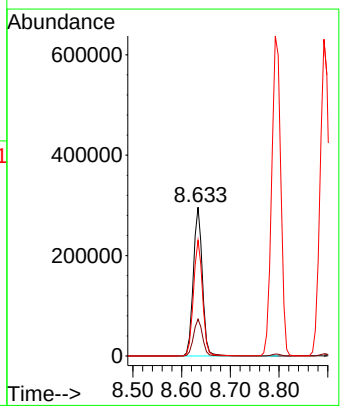


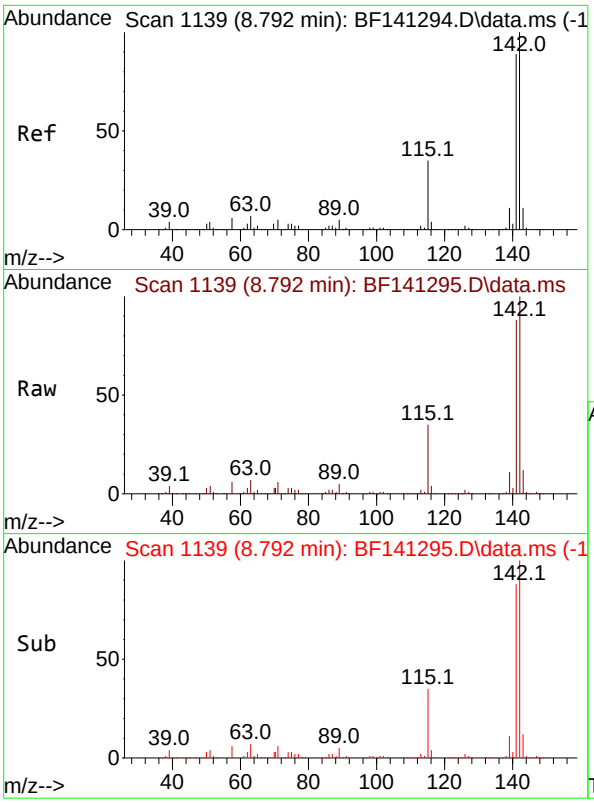


#36
4-Chloro-3-methylphenol
Concen: 48.973 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 385683

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.7	31.1
142	77.7	63.8	95.8





#37
2-Methylnaphthalene
Concen: 48.006 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:142 Resp: 82298

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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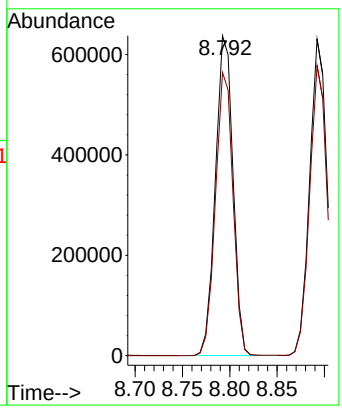
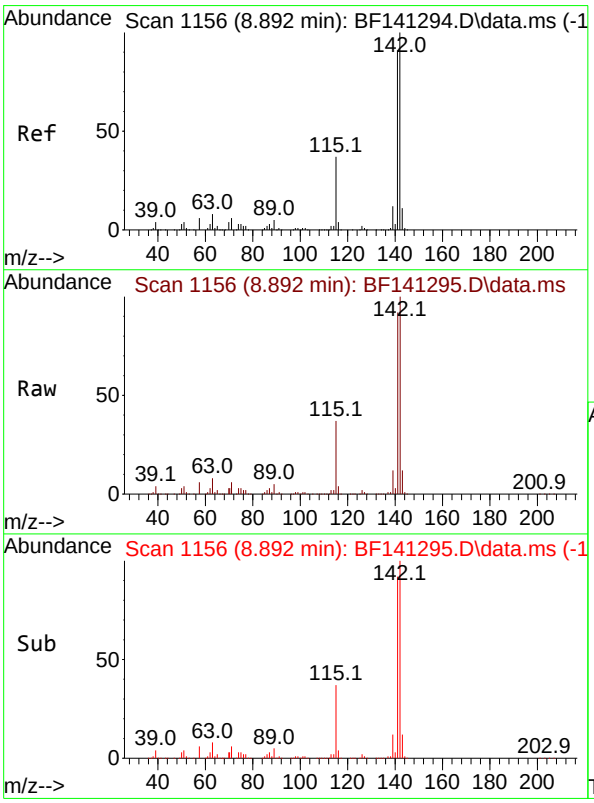
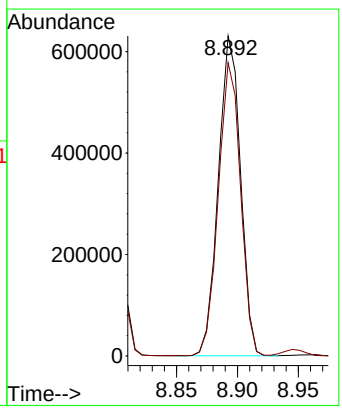


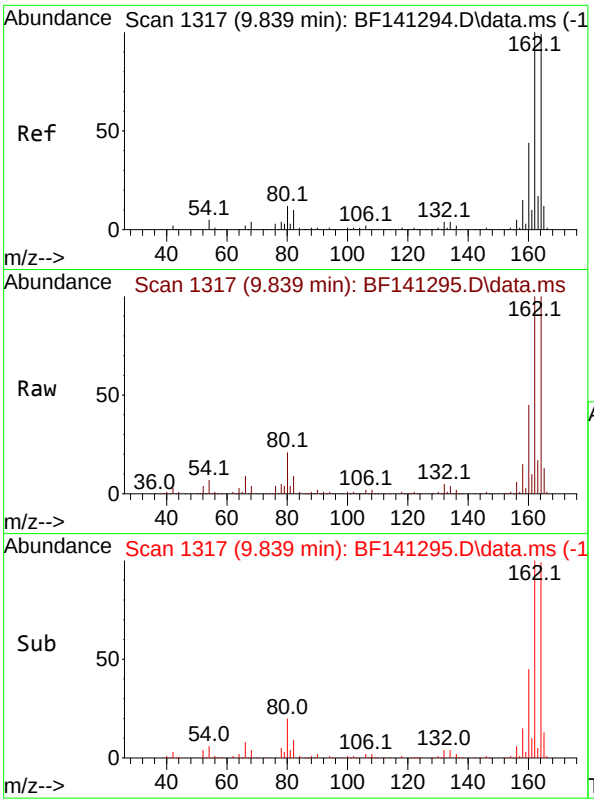


#38
1-Methylnaphthalene
Concen: 47.586 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:142 Resp: 799136

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.2	109.8

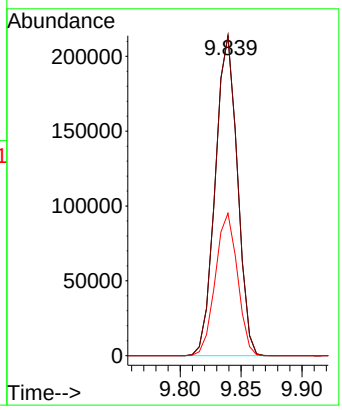




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:164 Resp: 26966

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	121.0
160	44.5	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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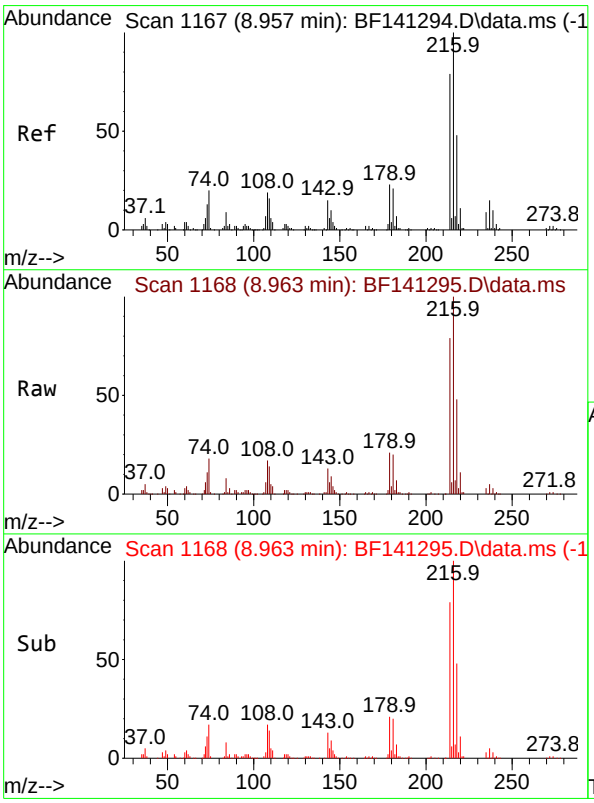
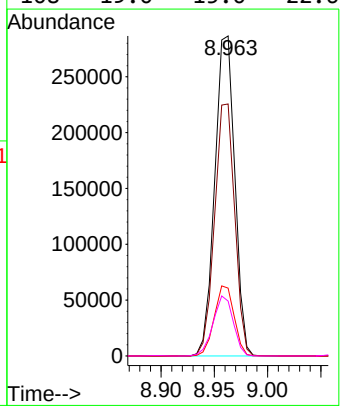
Supervised By :mohammad ahmed 02/04/2025

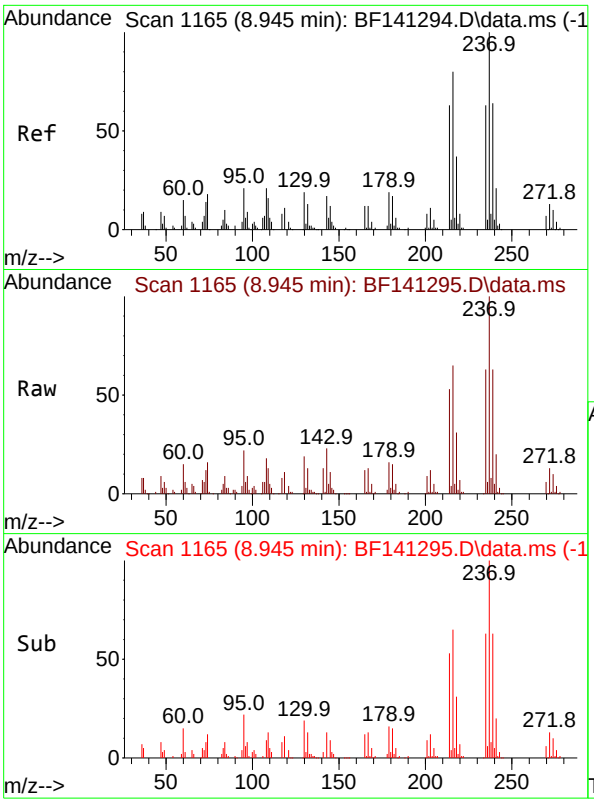


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.774 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:216 Resp: 373963

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	21.7	17.8	26.8
108	19.0	15.0	22.6

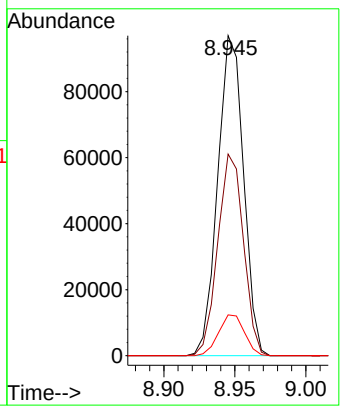




#41
Hexachlorocyclopentadiene
Concen: 53.227 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:237 Resp: 12247

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.9	82.9
272	12.7	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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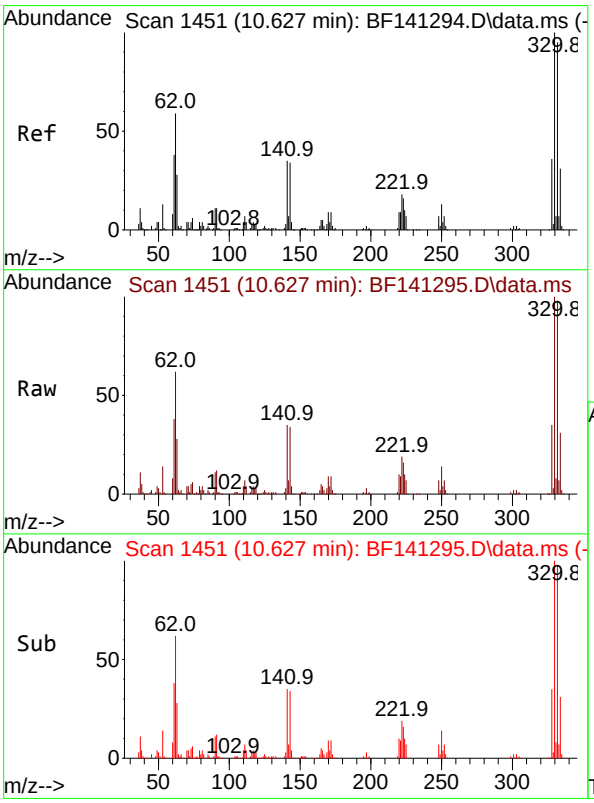
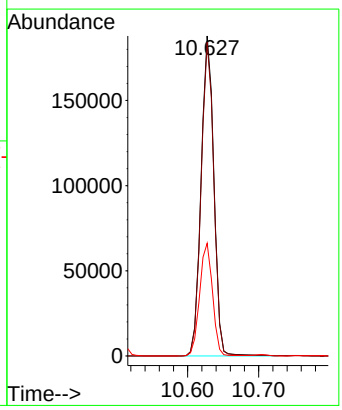
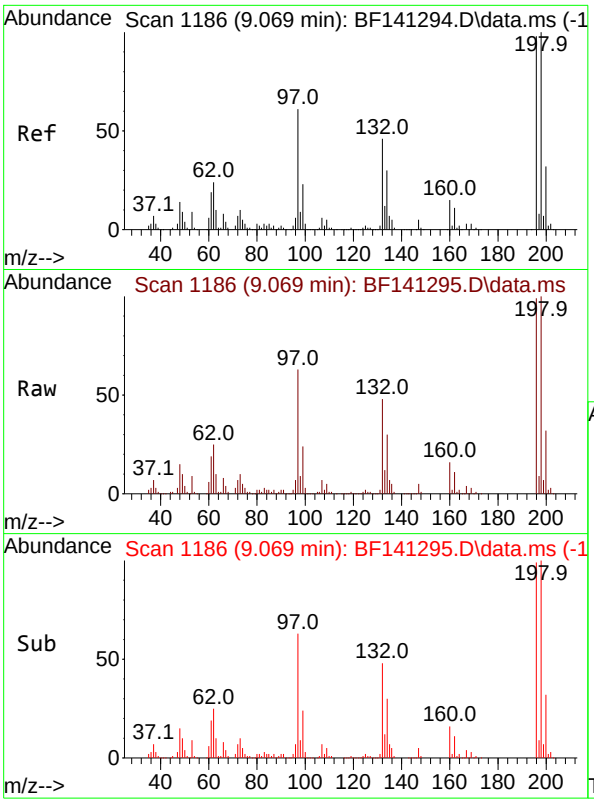


#42
2,4,6-Tribromophenol
Concen: 95.997 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:330 Resp: 235884

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.1	114.1
141	35.4	28.8	43.2

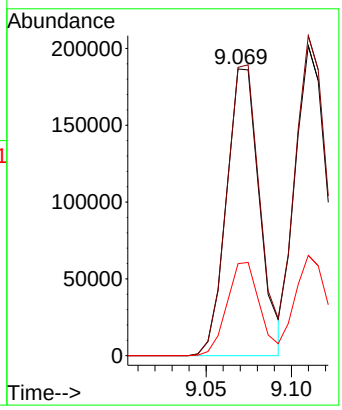




#43
2,4,6-Trichlorophenol
Concen: 50.545 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:196 Resp: 25297

Ion	Ratio	Lower	Upper
196	100		
198	100.5	81.8	122.6
200	32.1	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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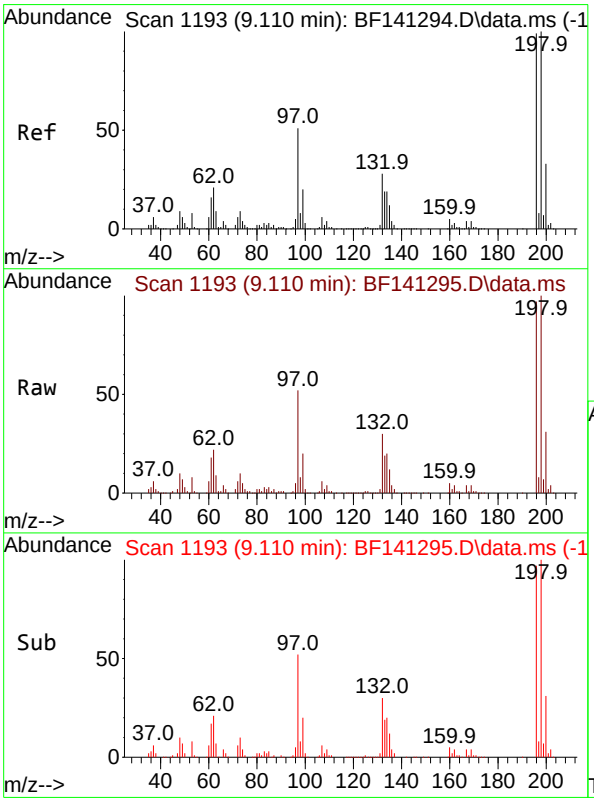
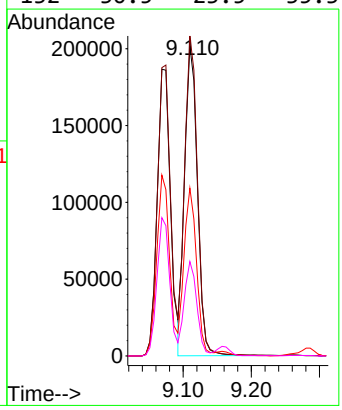
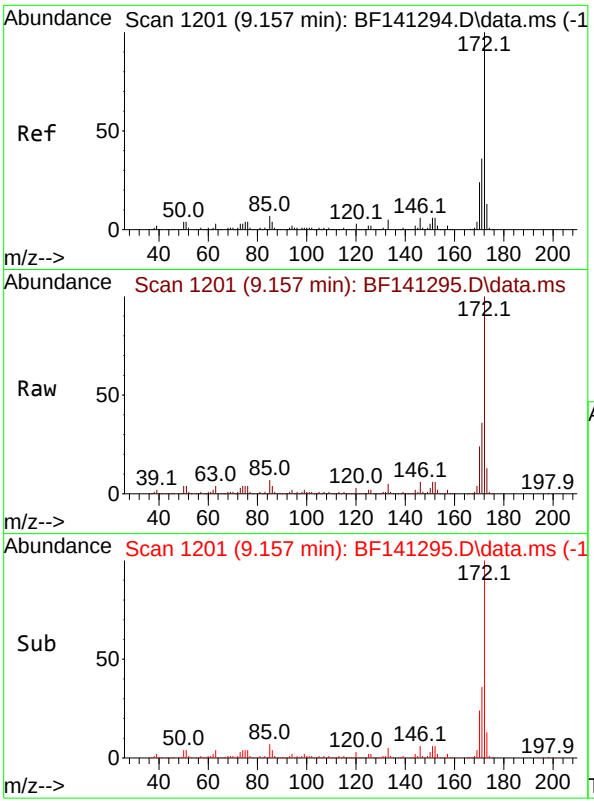


#44
2,4,5-Trichlorophenol
Concen: 48.438 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:196 Resp: 263745

Ion	Ratio	Lower	Upper
196	100		
198	103.2	80.5	120.7
97	54.1	42.8	64.2
132	30.5	23.5	35.3

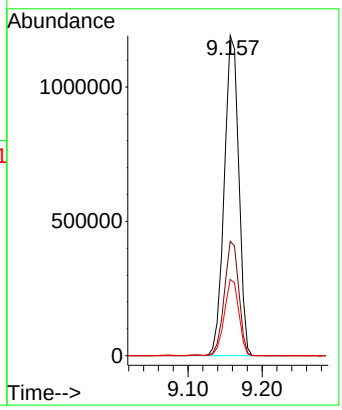




#45
2-Fluorobiphenyl
Concen: 92.721 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:172 Resp: 162082

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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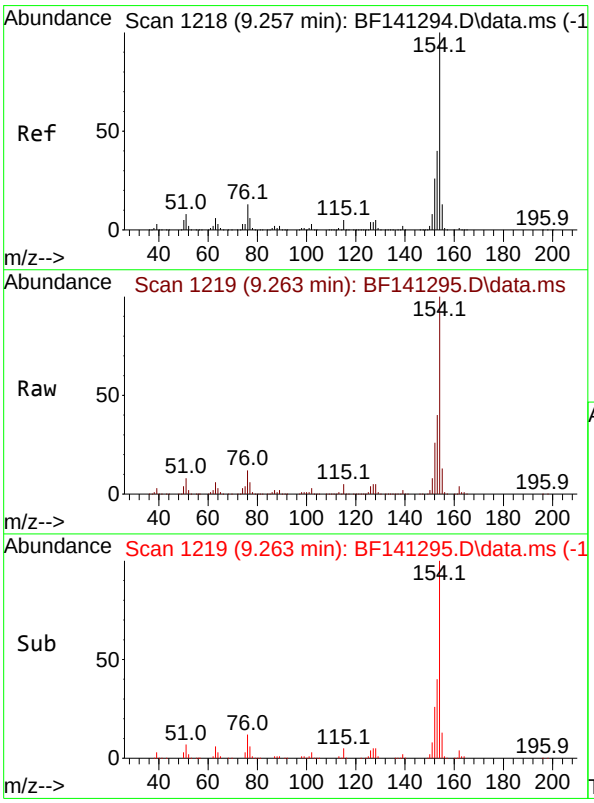
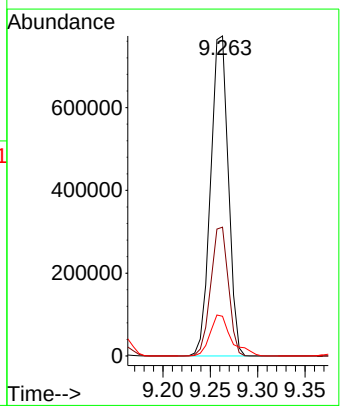
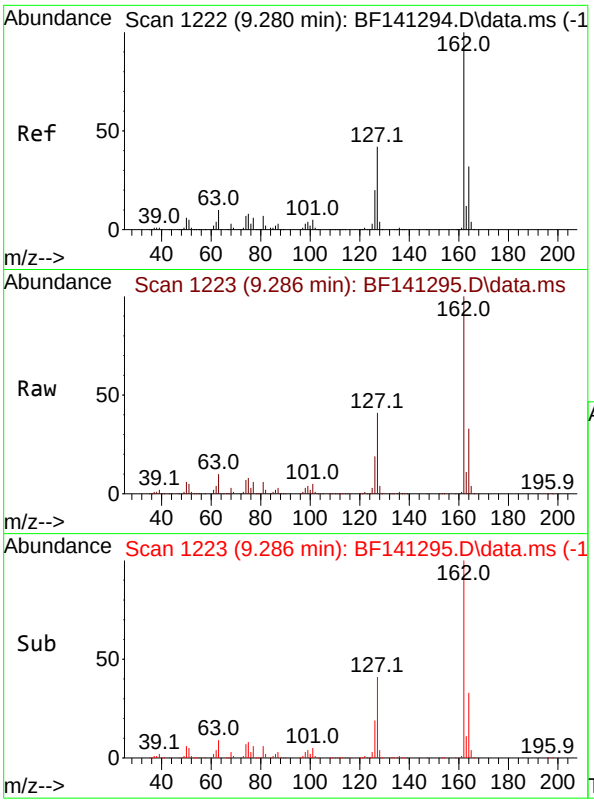


#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 1005774

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.0	60.0
76	12.4	0.0	32.8

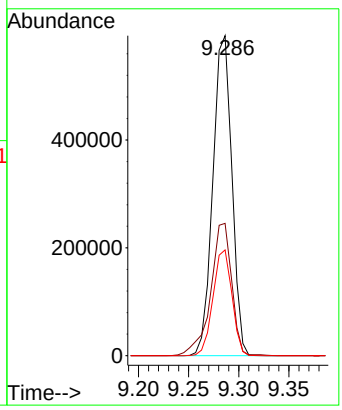




#47
2-Chloronaphthalene
Concen: 47.835 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:162 Resp: 78161

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.7	50.5
164	33.0	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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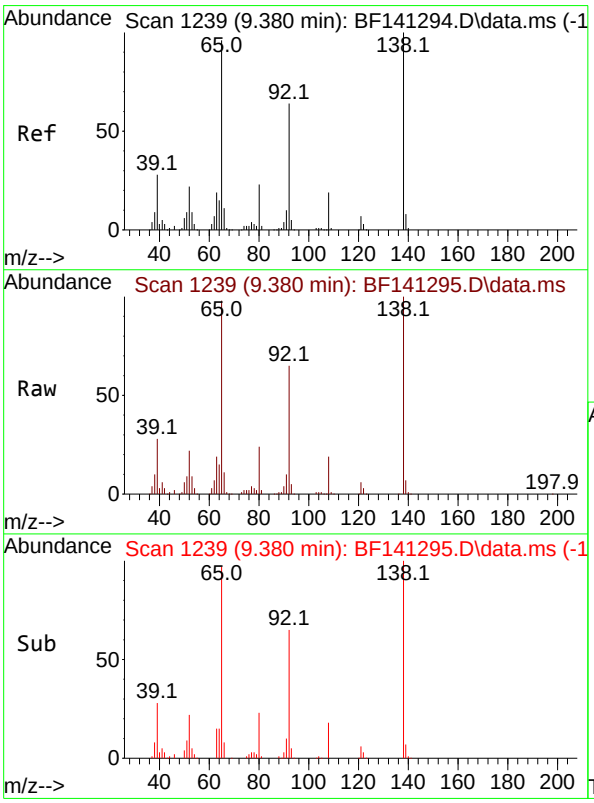
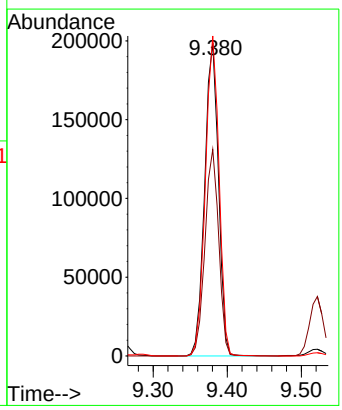
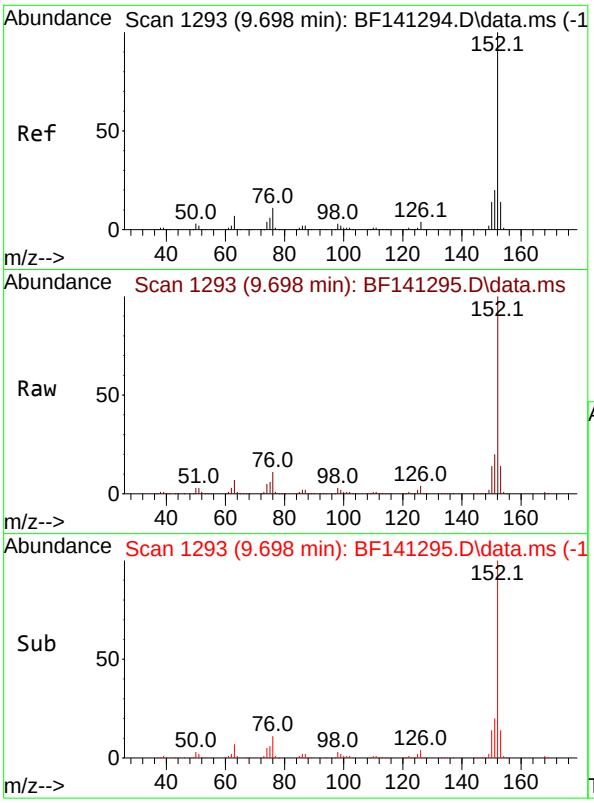


#48
2-Nitroaniline
Concen: 49.907 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 65 Resp: 257199

Ion	Ratio	Lower	Upper
65	100		
92	66.0	53.3	79.9
138	102.3	83.6	125.4





#49
Acenaphthylene
Concen: 47.595 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:152 Resp: 109223

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.2	11.0	16.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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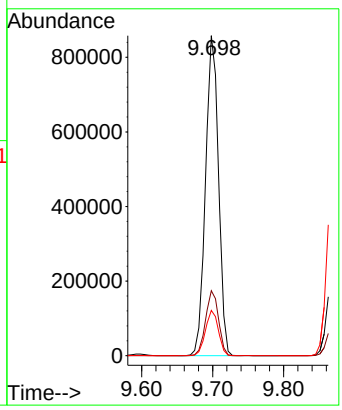
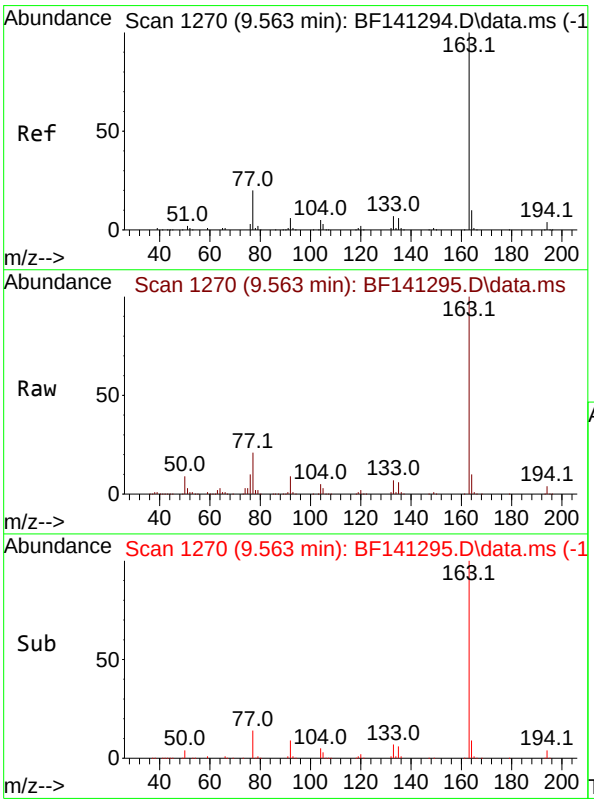
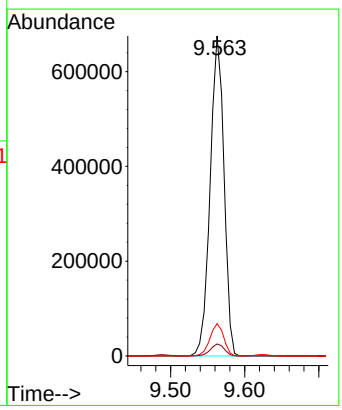


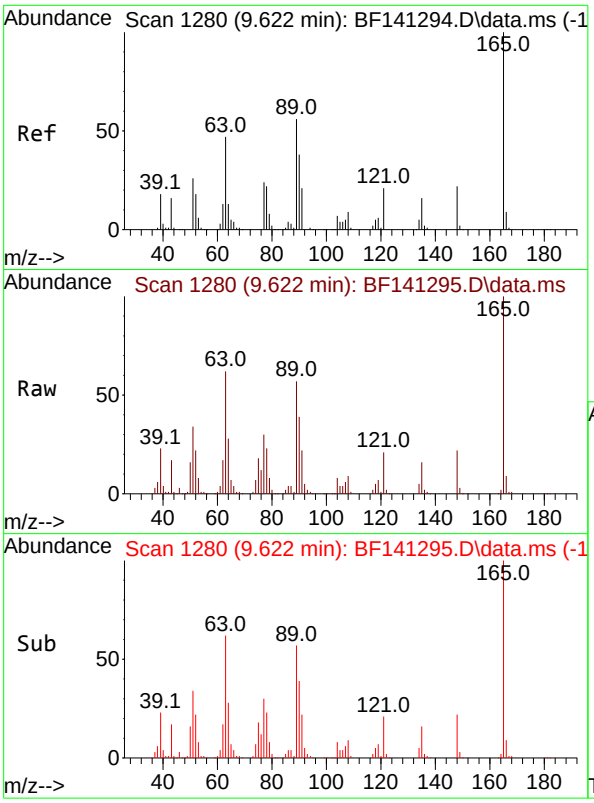


#50
Dimethylphthalate
Concen: 48.419 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:163 Resp: 875569

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 48.697 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:165 Resp: 20491

Ion	Ratio	Lower	Upper
165	100		
63	61.7	48.1	72.1
89	57.3	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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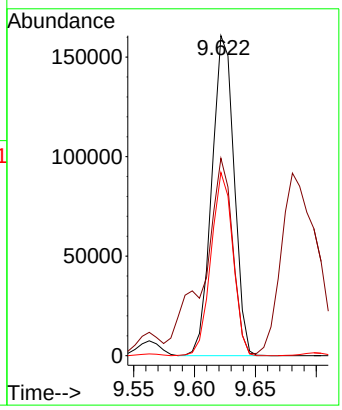
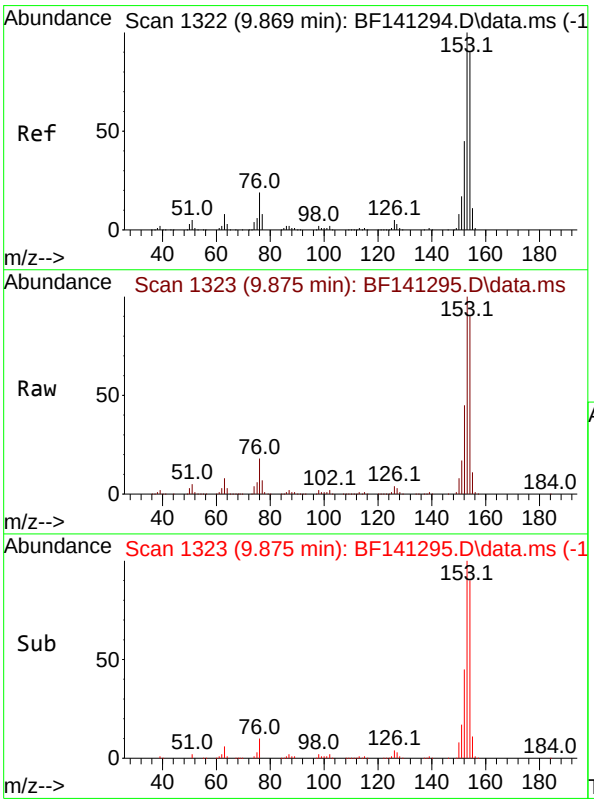
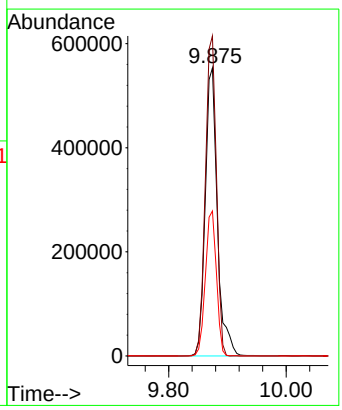


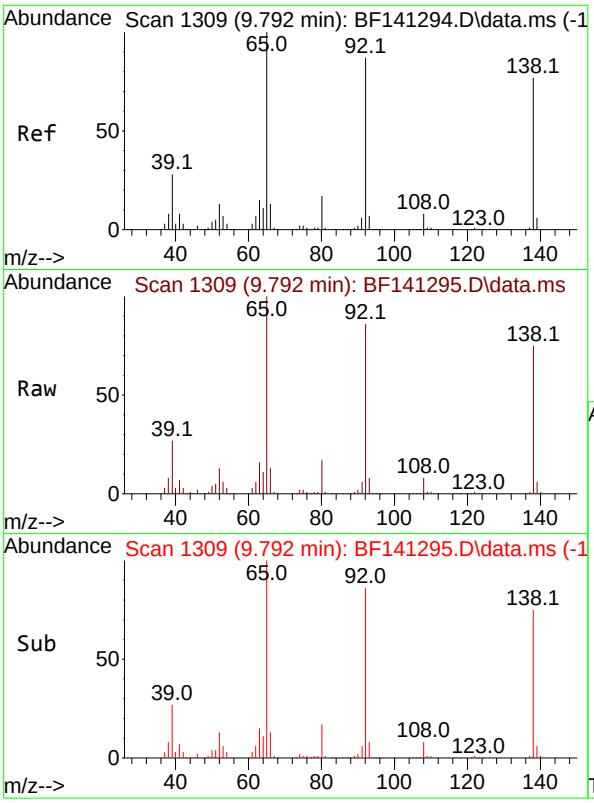


#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 789039

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.0	133.4
152	50.3	40.2	60.4





#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 19783

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.0	91.0	136.6

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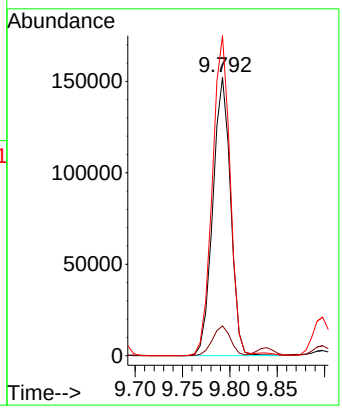
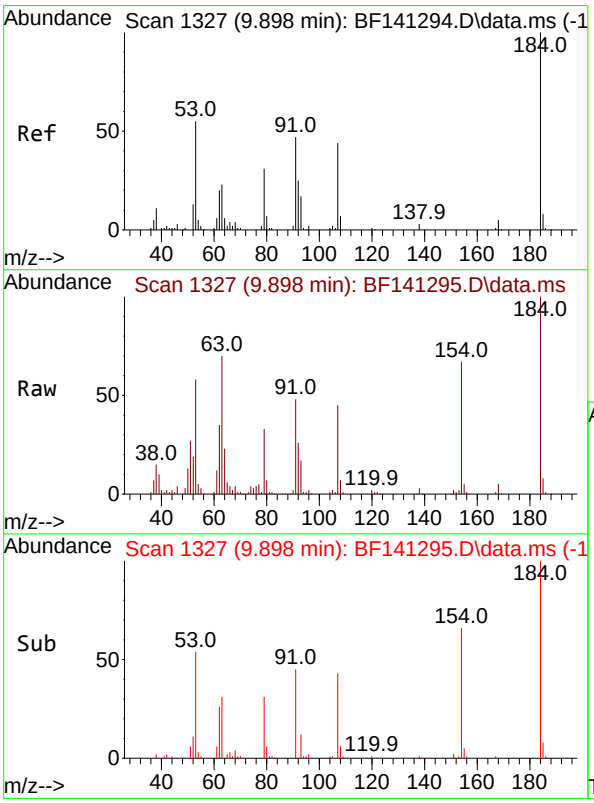
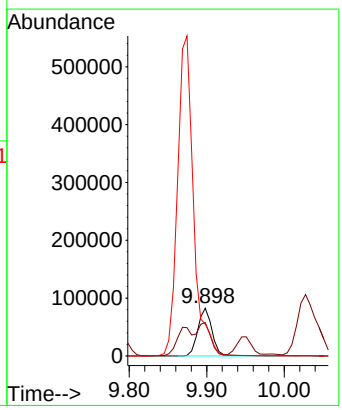


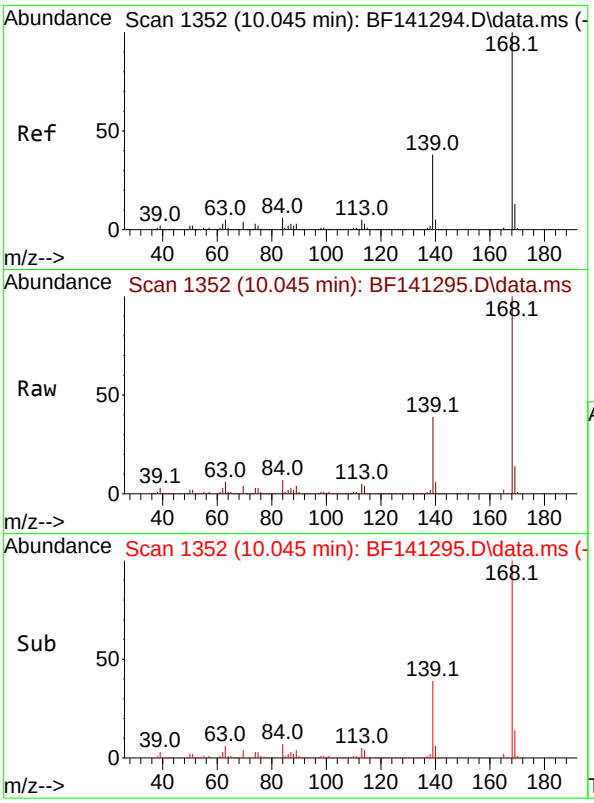


#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 105313

Ion	Ratio	Lower	Upper
184	100		
63	70.3	54.1	81.1
154	66.8	50.7	76.1





#55
Dibenzofuran
Concen: 47.082 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:168 Resp: 102818

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.6	46.0
169	13.6	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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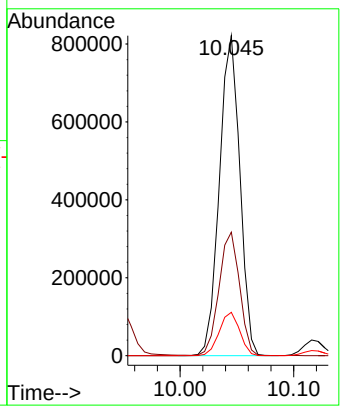
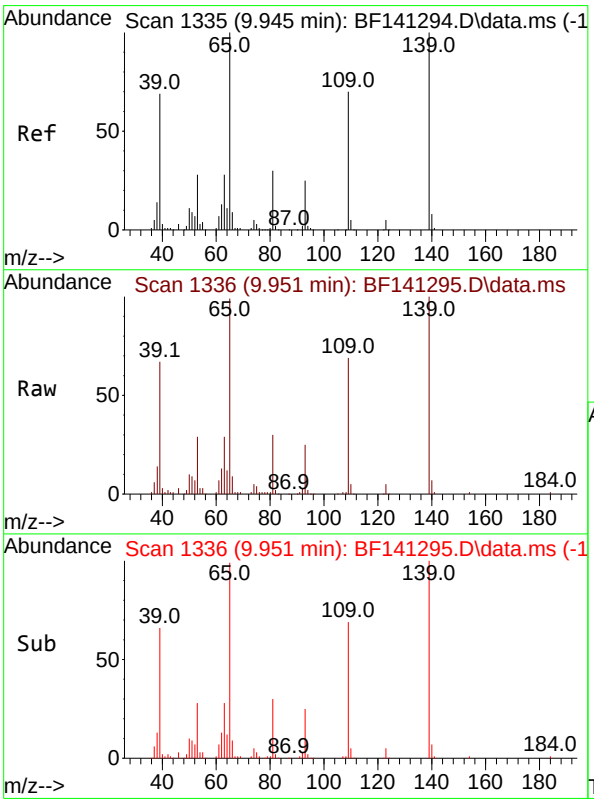
Supervised By :mohammad ahmed 02/04/2025

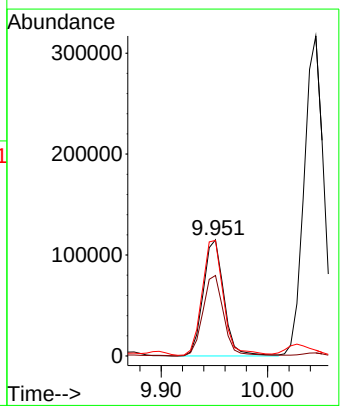


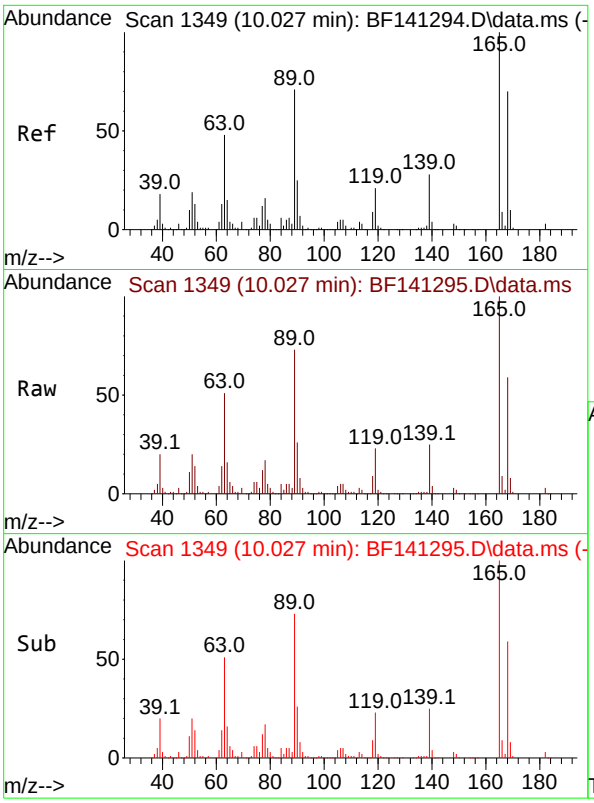


#56
4-Nitrophenol
Concen: 52.067 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 155594

Ion	Ratio	Lower	Upper
139	100		
109	69.3	50.2	90.2
65	99.5	80.6	120.6

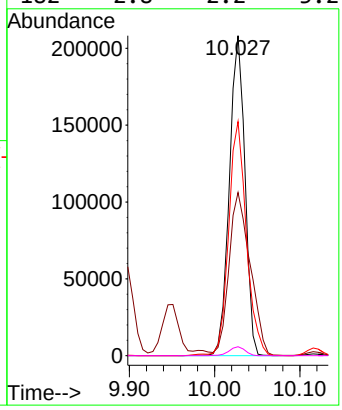




#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:165 Resp: 26432

Ion	Ratio	Lower	Upper
165	100		
63	51.0	39.2	58.8
89	73.1	56.9	85.3
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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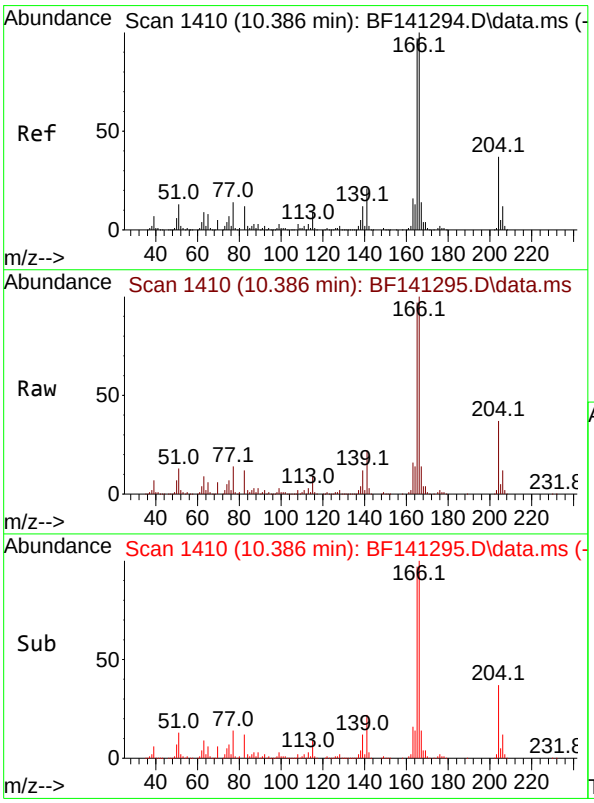
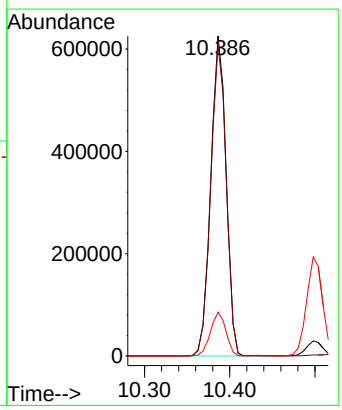
Supervised By :mohammad ahmed 02/04/2025

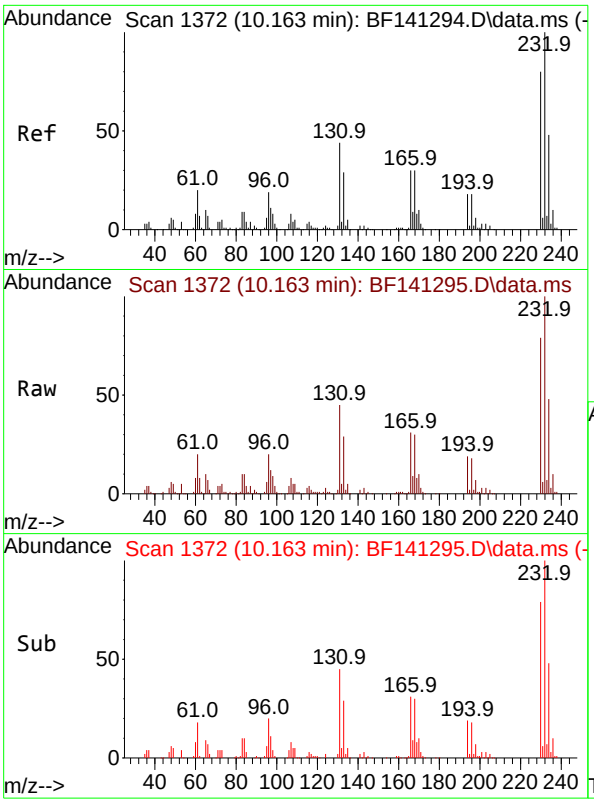


#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:166 Resp: 784644

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.5	116.3
167	13.6	10.9	16.3

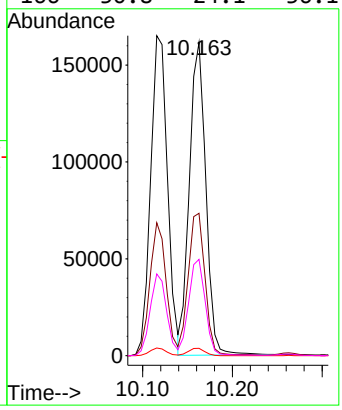




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:232 Resp: 20550

Ion	Ratio	Lower	Upper
232	100		
131	46.9	36.4	54.6
130	2.4	1.9	2.9
166	30.8	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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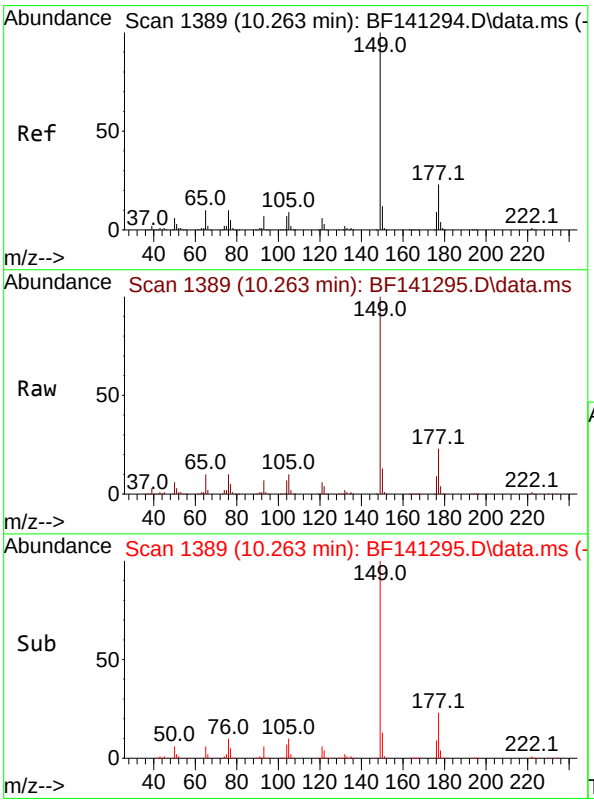
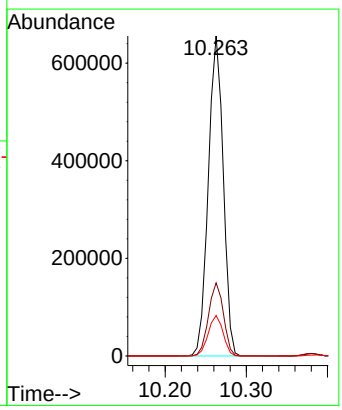
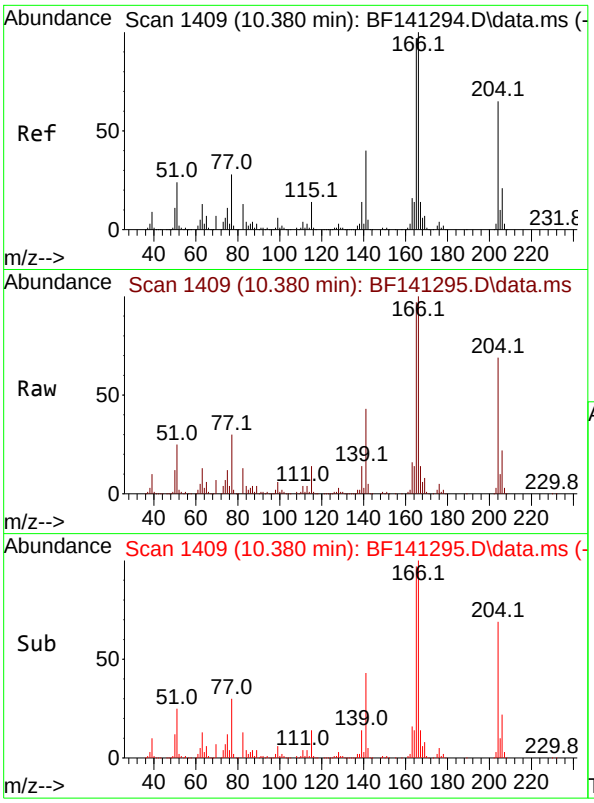


#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 834803

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.976 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 380948

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	62.9	49.5	74.3

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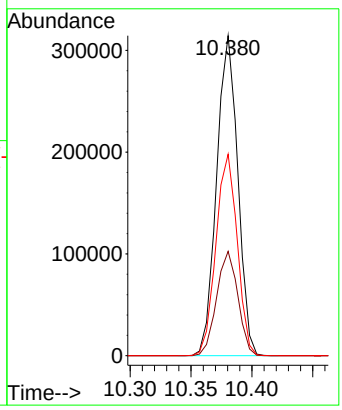
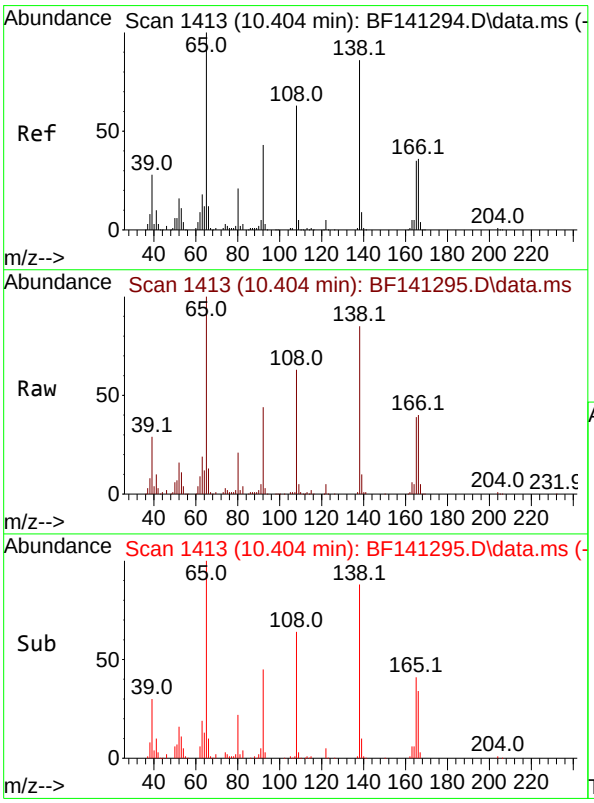
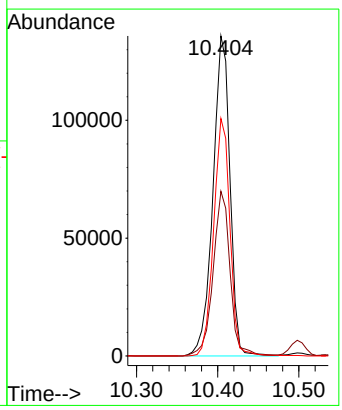


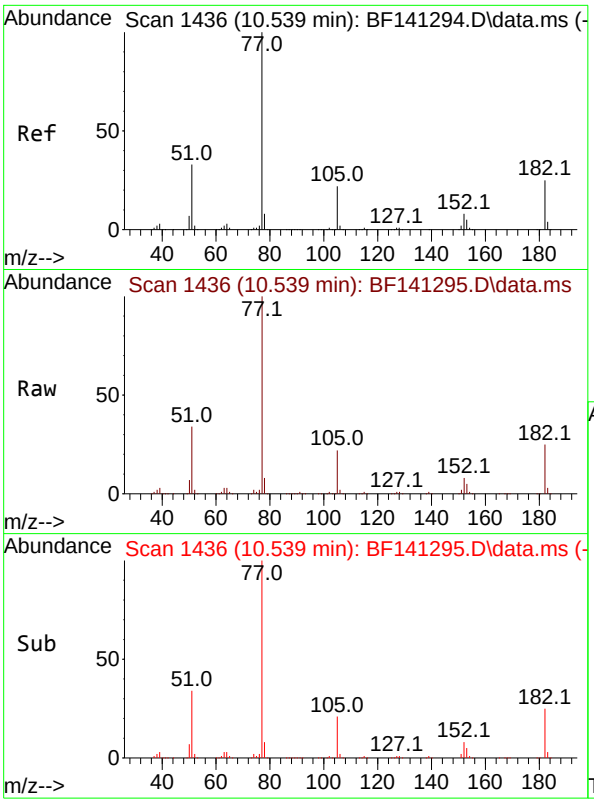


#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:138 Resp: 198241

Ion	Ratio	Lower	Upper
138	100		
92	51.5	30.1	70.1
108	74.2	53.1	93.1

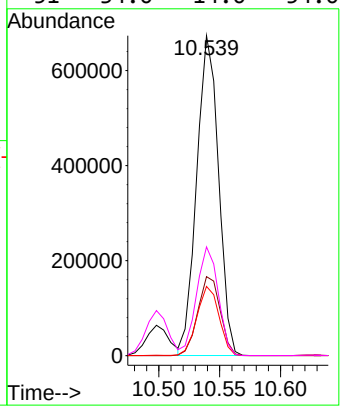




#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 84179

Ion	Ratio	Lower	Upper
77	100		
182	24.7	5.1	45.1
105	21.7	1.8	41.8
51	34.0	14.0	54.0



Instrument :
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ClientSampleId :
SSTDICC050

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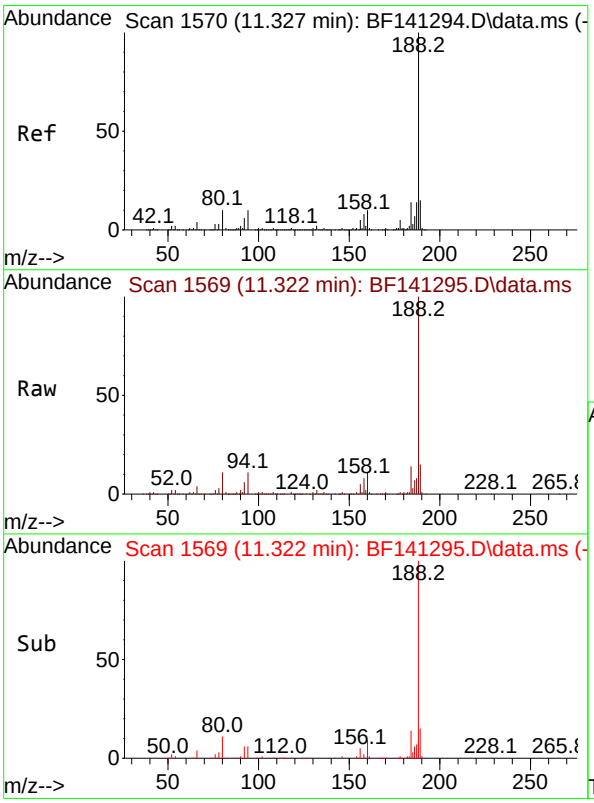
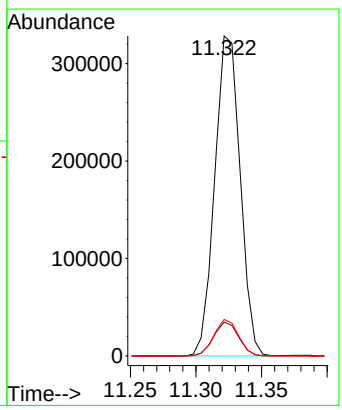
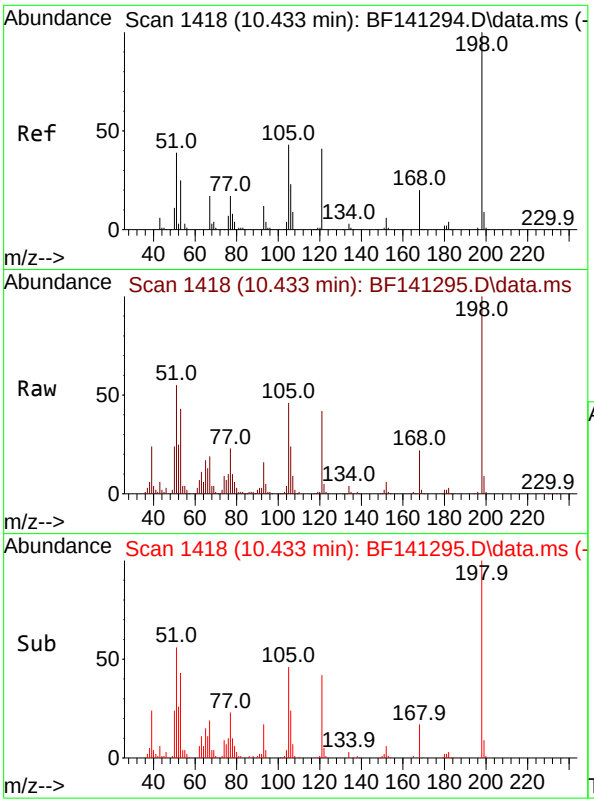


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:188 Resp: 442506

Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.8	11.6
80	11.4	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.710 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:198 Resp: 14457

Ion	Ratio	Lower	Upper
198	100		
51	55.4	33.4	73.4
105	45.8	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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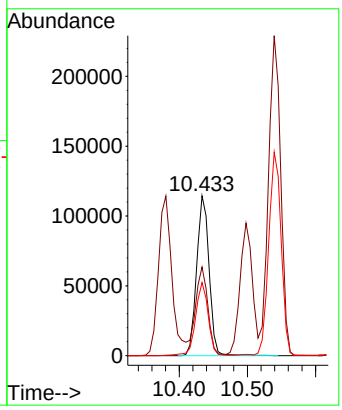
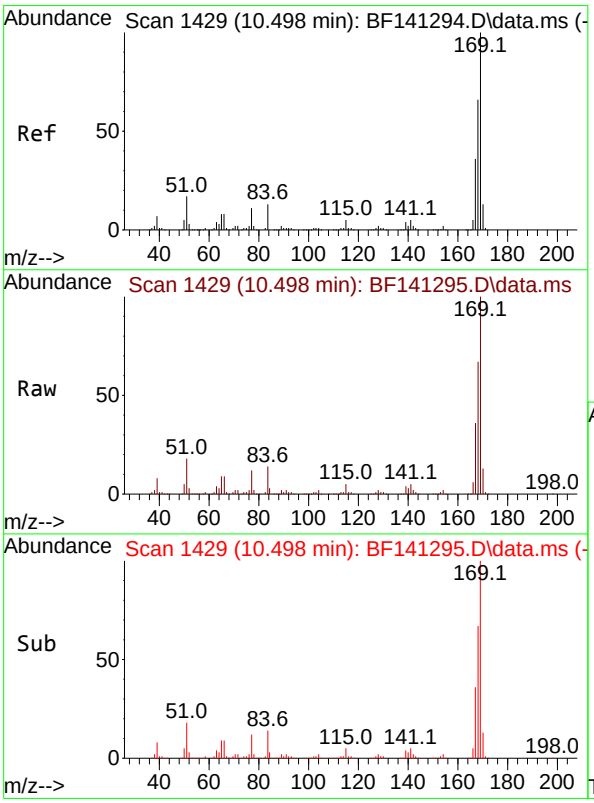
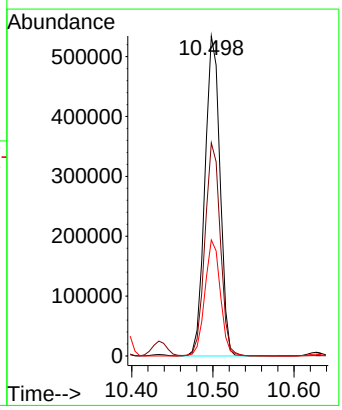


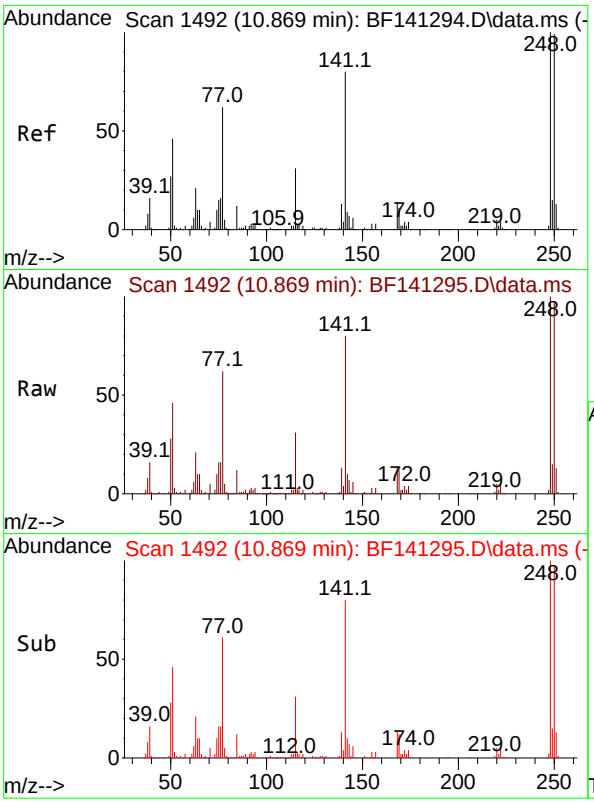


#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:169 Resp: 688202

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.2	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 48.745 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 24112

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	79.5	63.7	95.5

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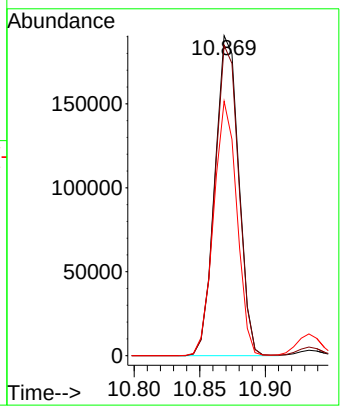
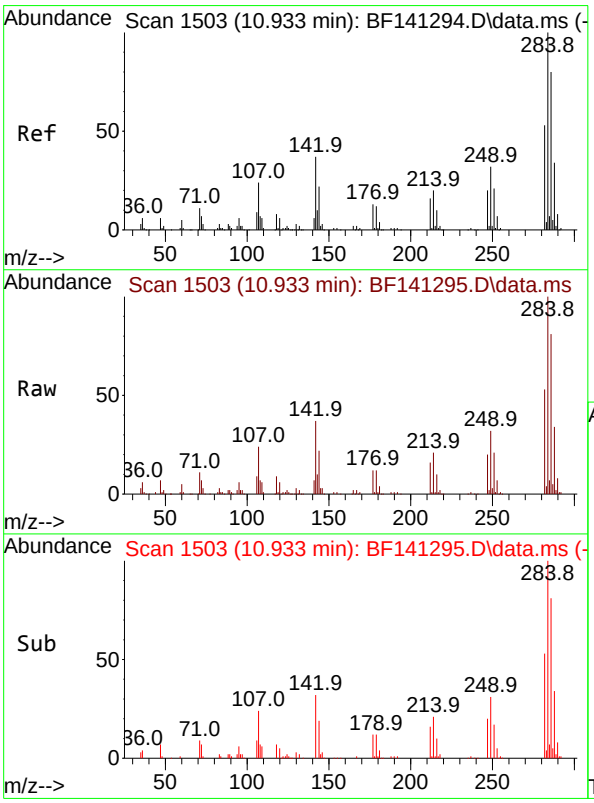
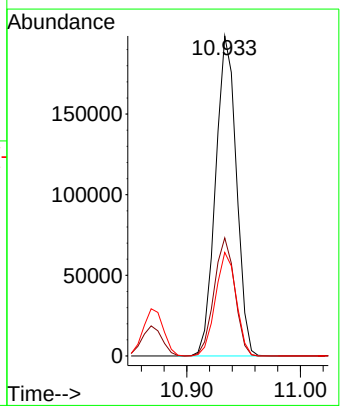


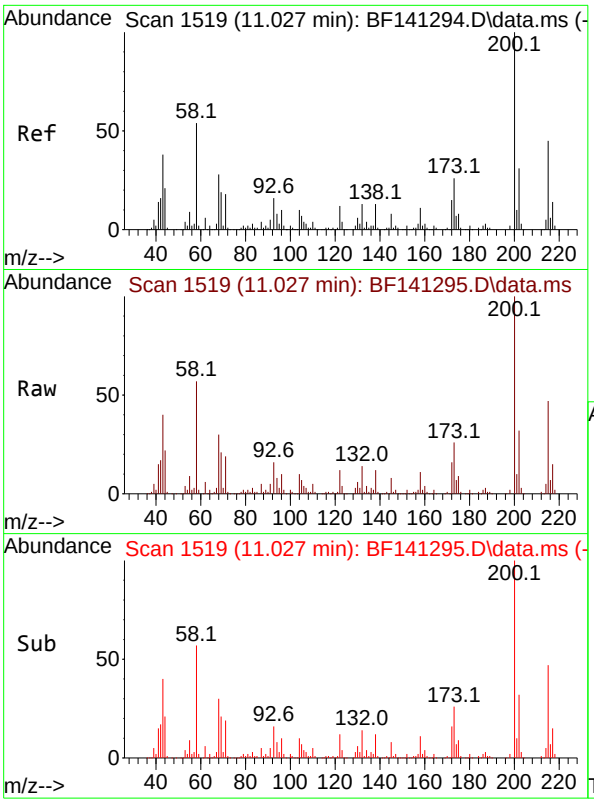


#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:284 Resp: 253174

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	32.3	25.4	38.2

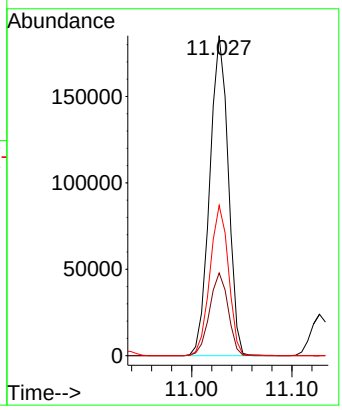




#69
Atrazine
Concen: 49.457 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:200 Resp: 23799

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	46.9	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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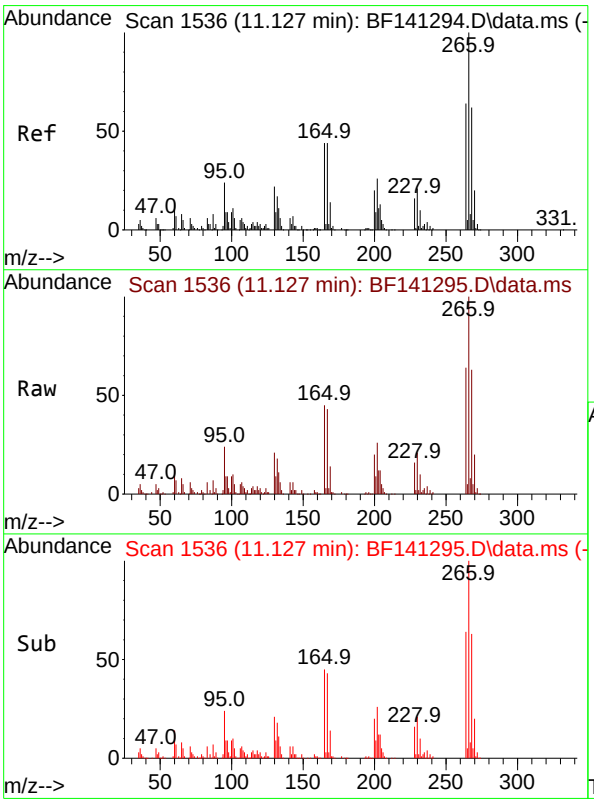
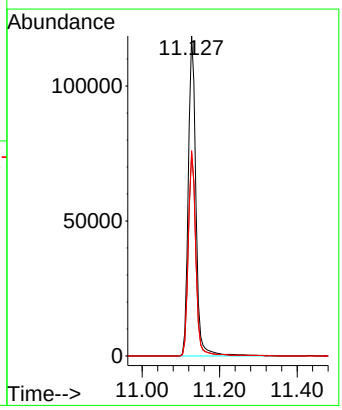
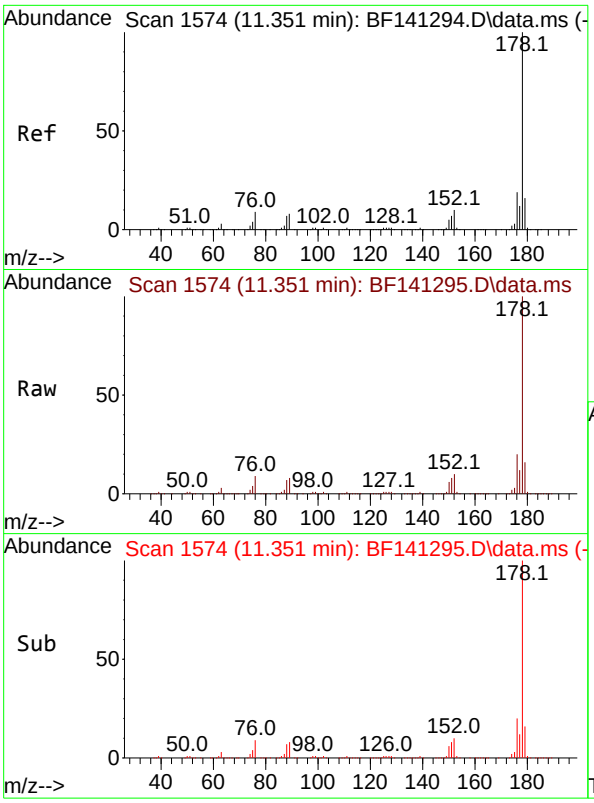


#70
Pentachlorophenol
Concen: 52.515 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:266 Resp: 161568

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.9	74.9
264	64.1	51.0	76.4

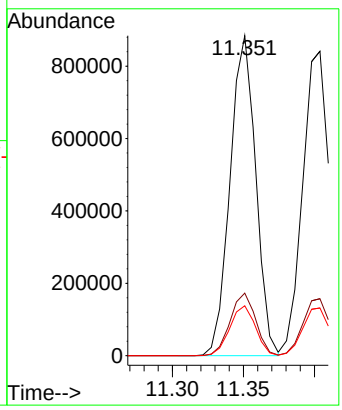




#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:178 Resp: 111492

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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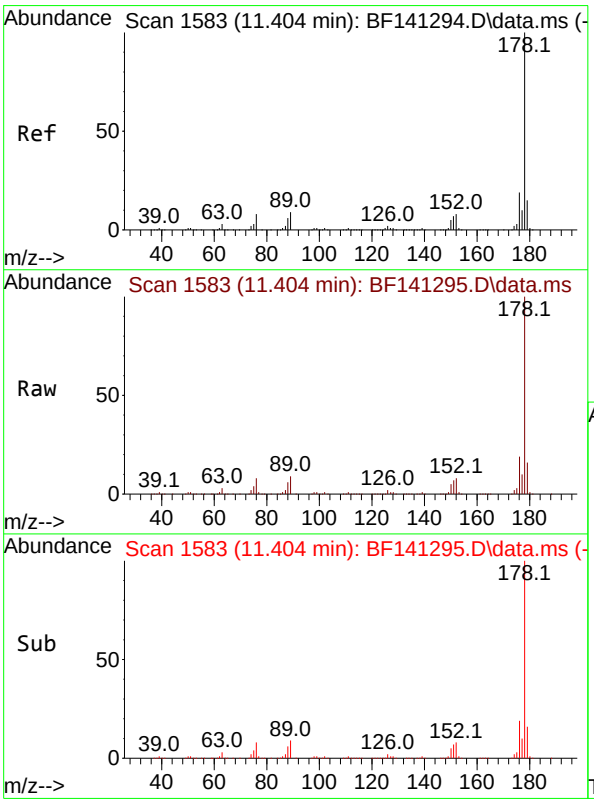
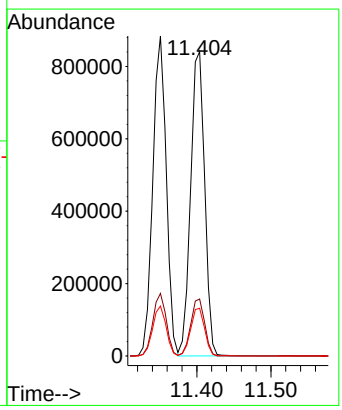
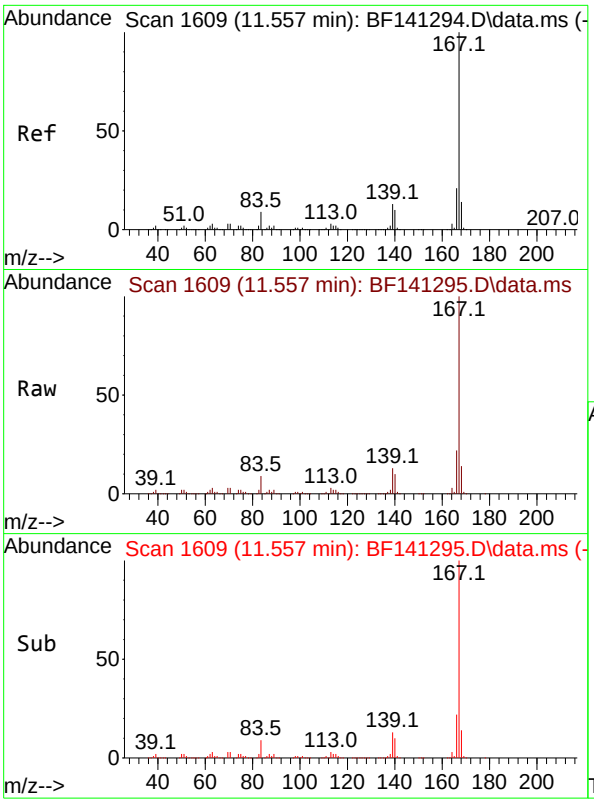


#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:178 Resp: 1105681

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

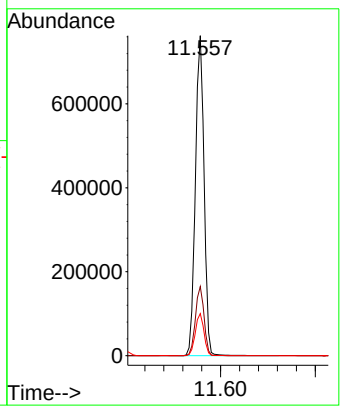




#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:167 Resp: 97154

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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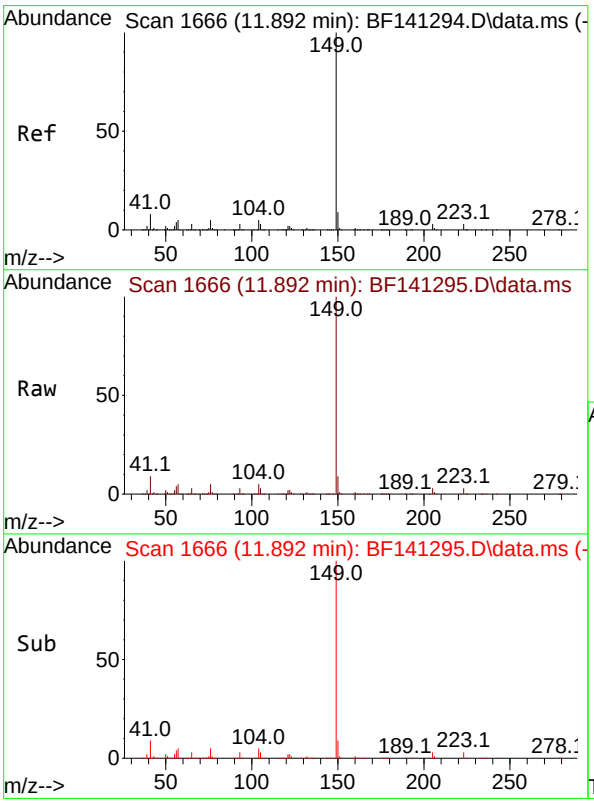
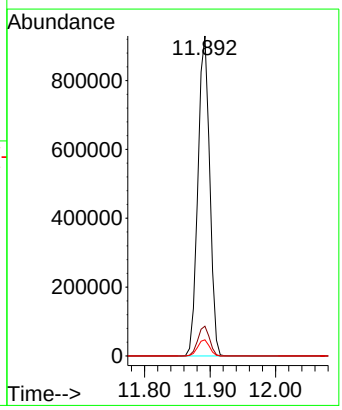
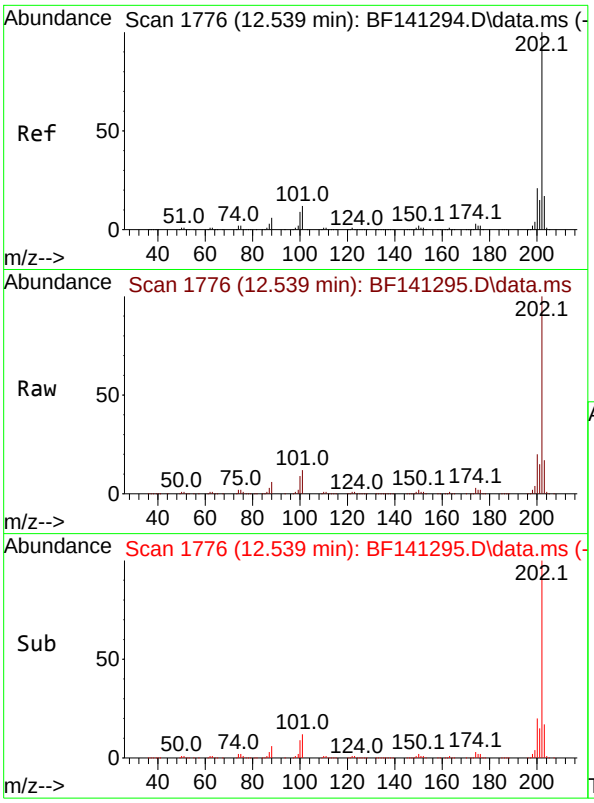


#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 1162607

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9

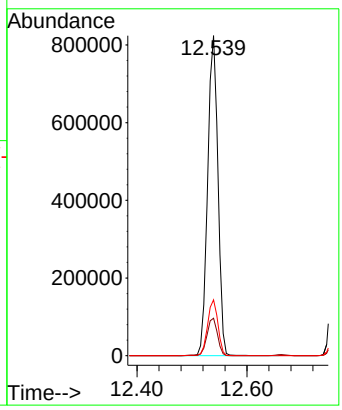




#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 106551

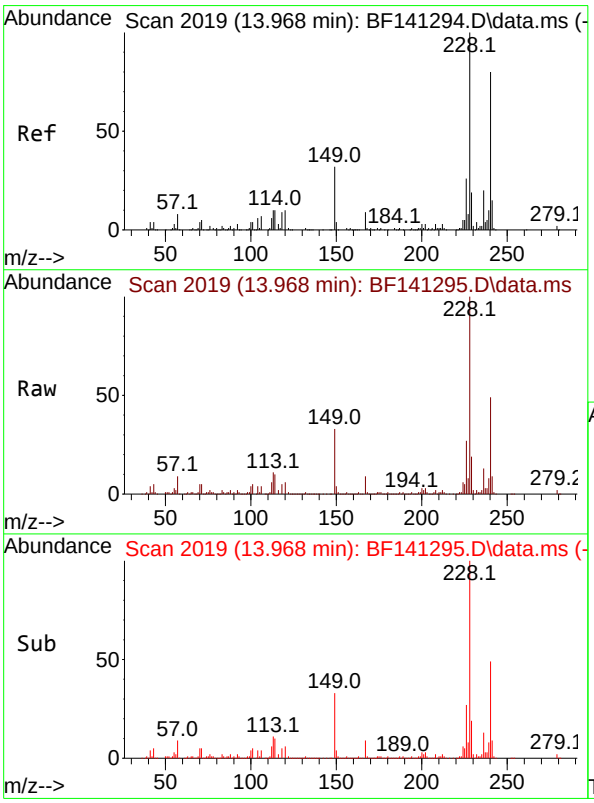
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

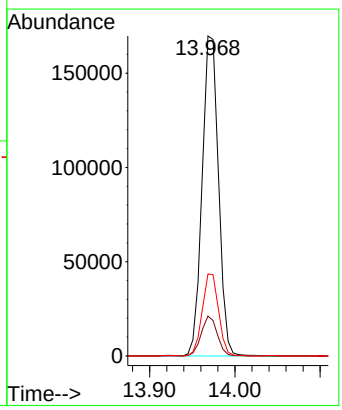
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

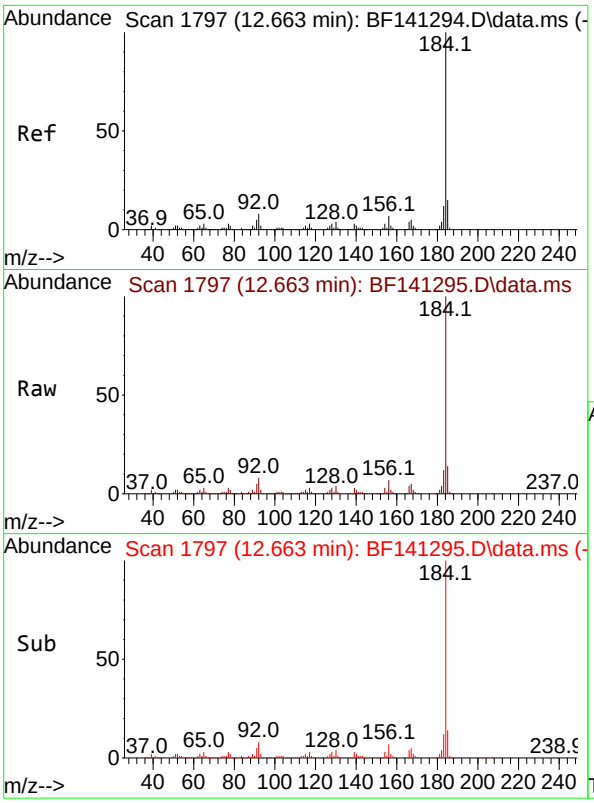


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:240 Resp: 226571

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	25.6	19.7	29.5

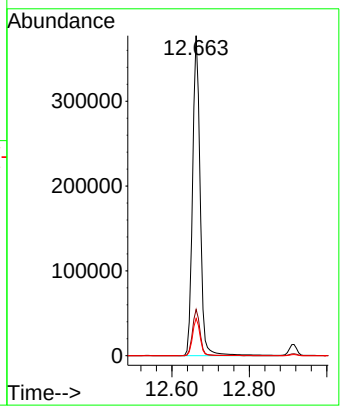




#77
Benzidine
Concen: 74.515 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 51335

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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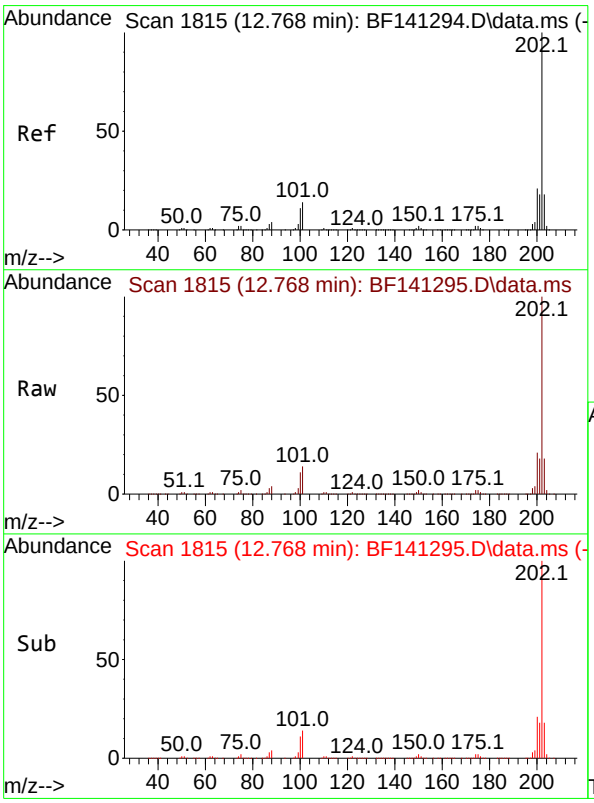
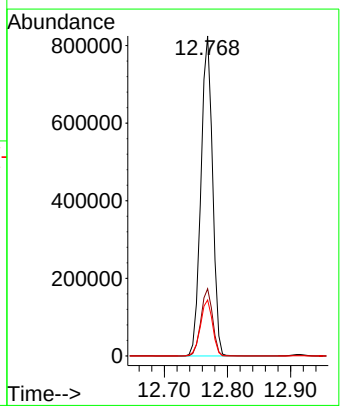
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

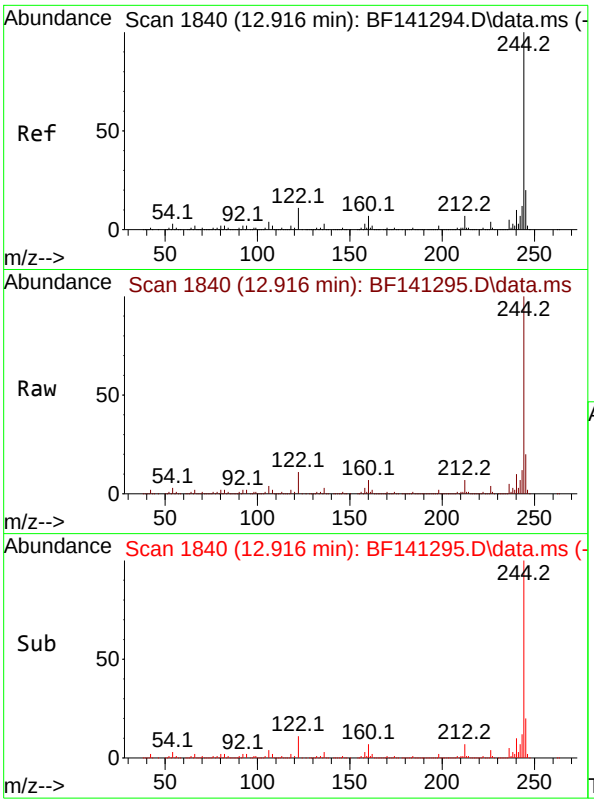


#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 1059044

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.5	14.3	21.5

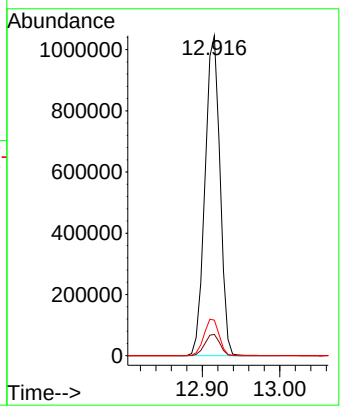




#79
Terphenyl-d14
Concen: 95.222 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:244 Resp: 140210

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.1	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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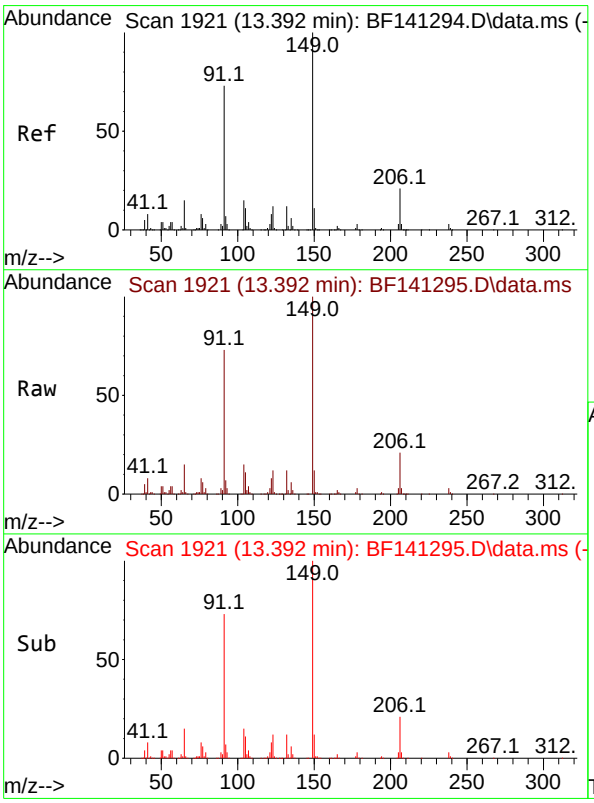
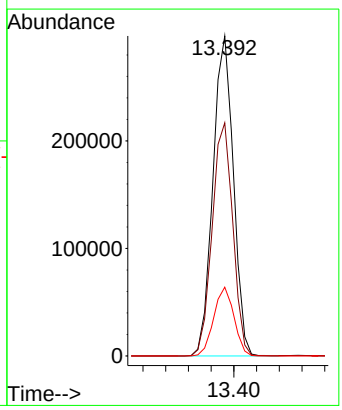
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

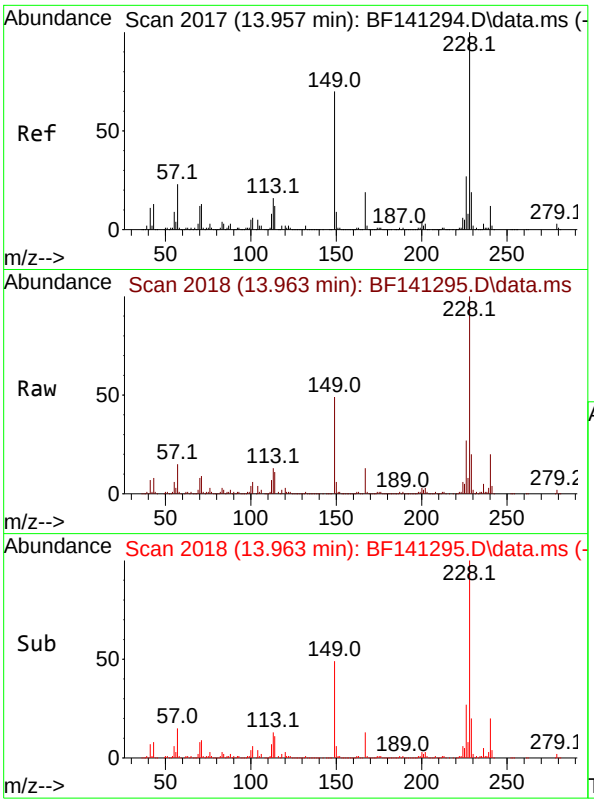


#80
Butylbenzylphthalate
Concen: 49.222 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 371889

Ion	Ratio	Lower	Upper
149	100		
91	72.9	58.6	87.8
206	21.5	16.7	25.1





#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:228 Resp: 77892

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.6	15.5	23.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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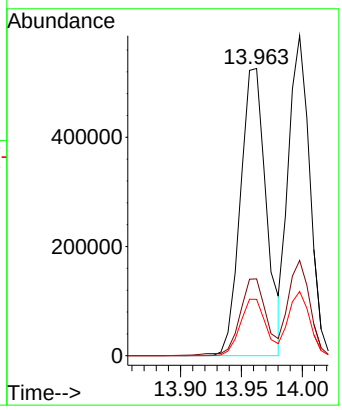
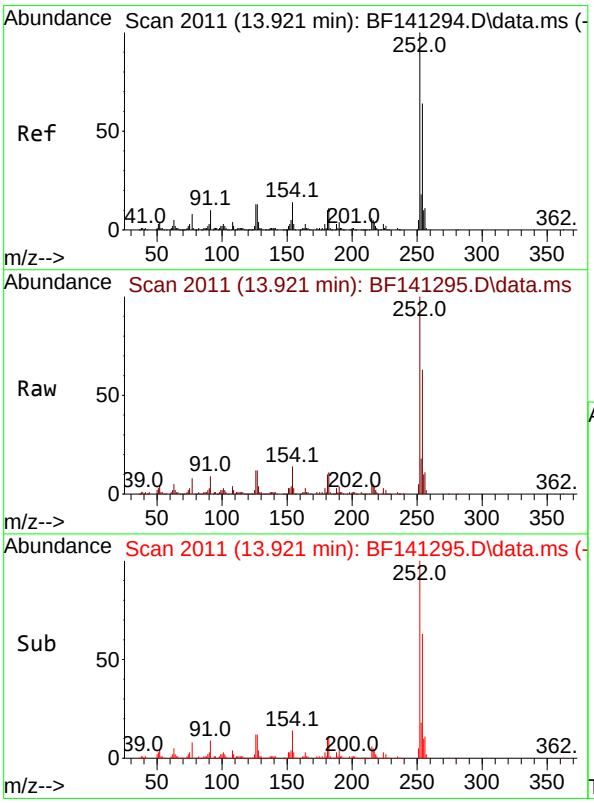
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

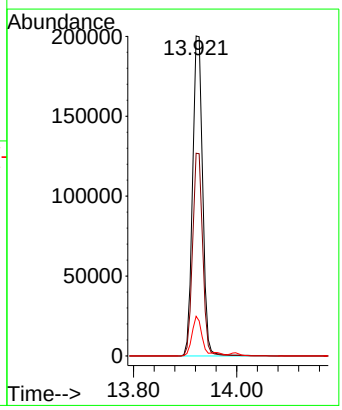


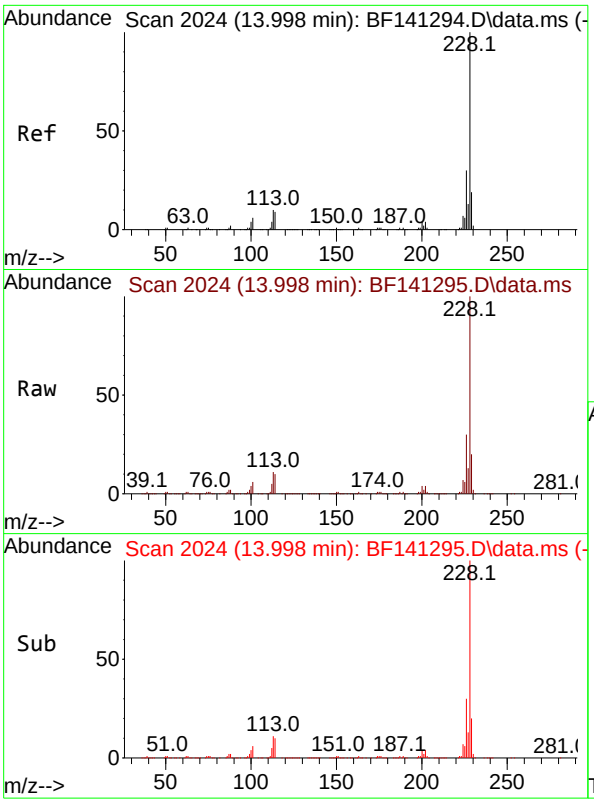


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 270572

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.3	76.9
126	12.4	10.0	15.0





#83
Chrysene
Concen: 49.829 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:228 Resp: 71756

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.1	36.1
229	20.1	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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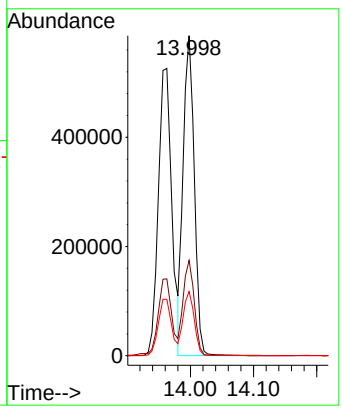
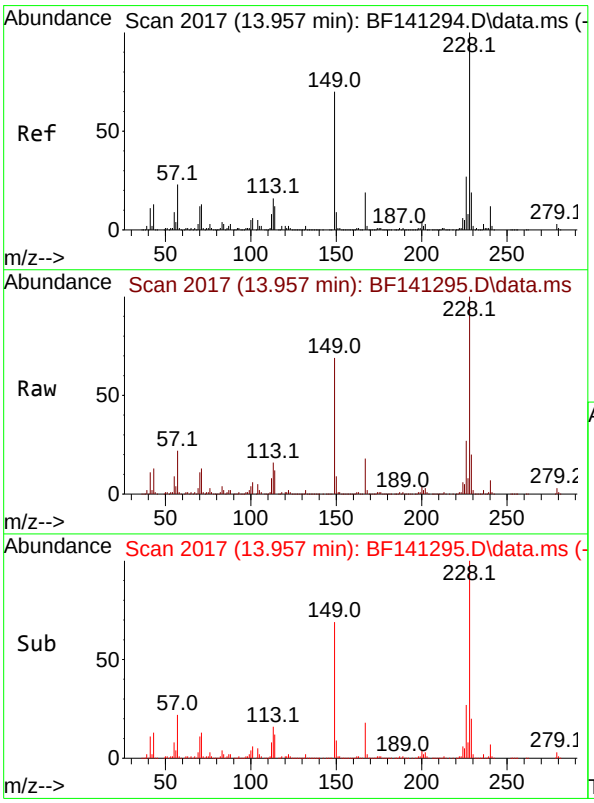
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

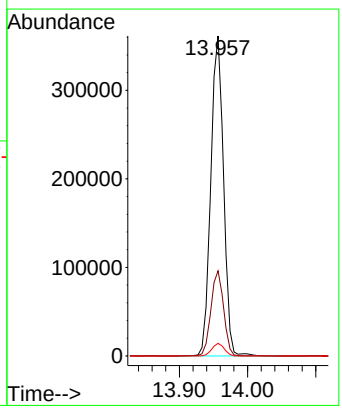


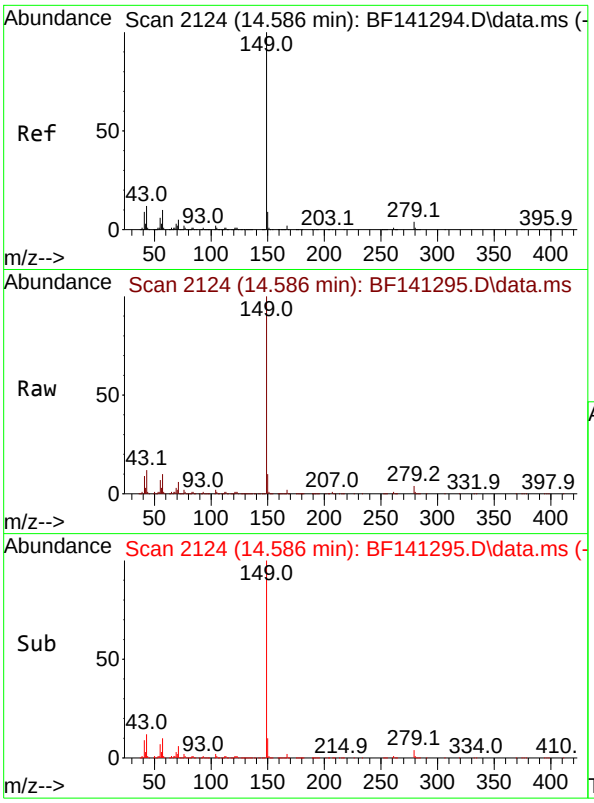


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.620 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 470441

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 52.127 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 77303

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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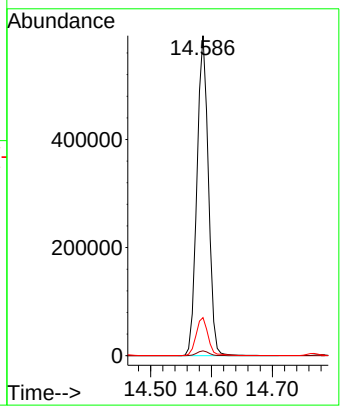
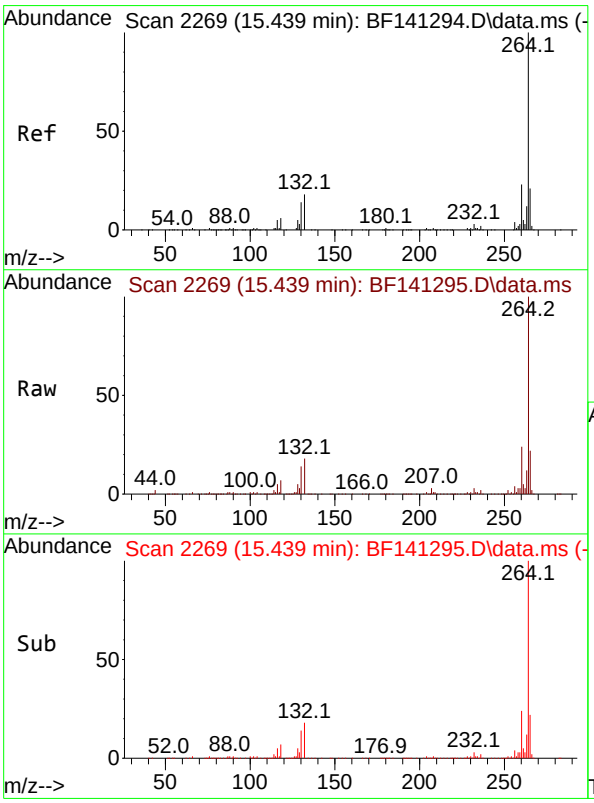
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

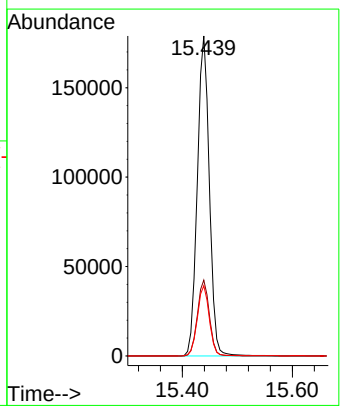


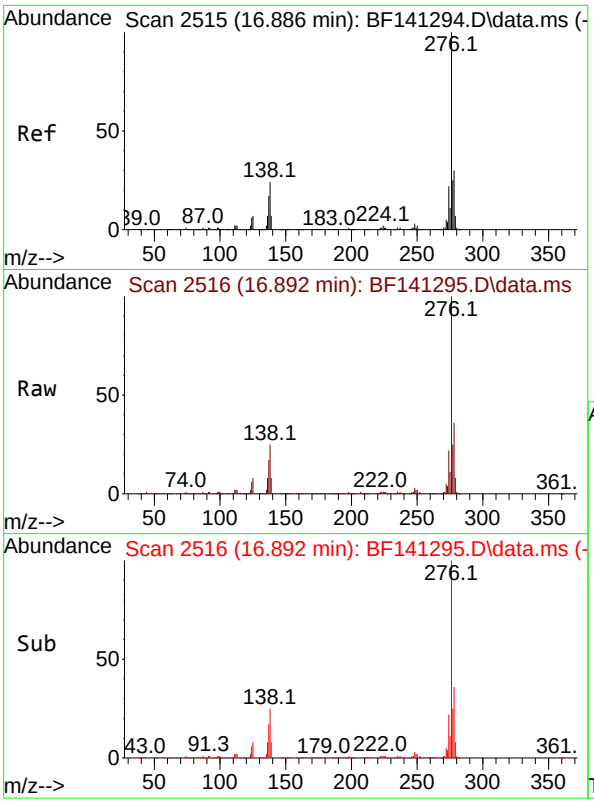


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:264 Resp: 272084

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	22.0	16.7	25.1

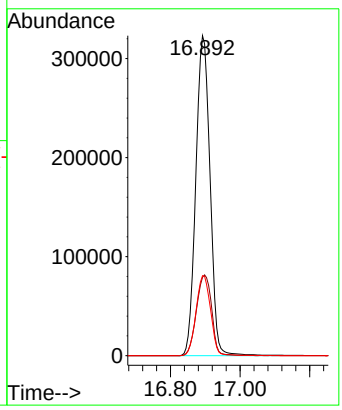




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.584 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 91671

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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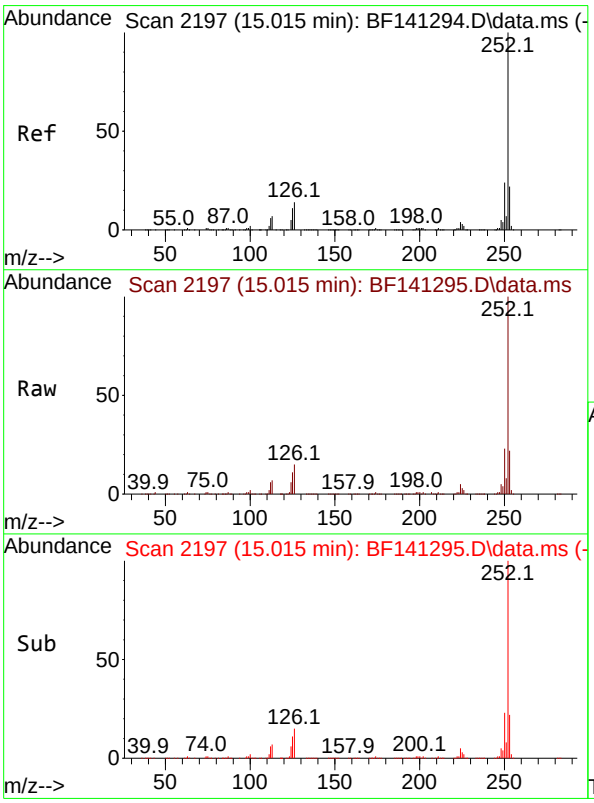
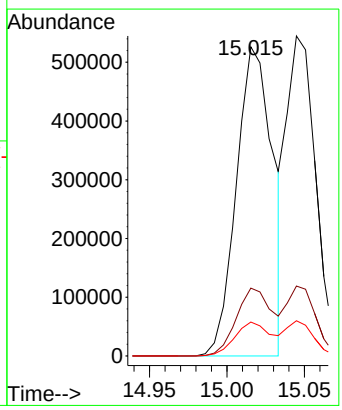
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

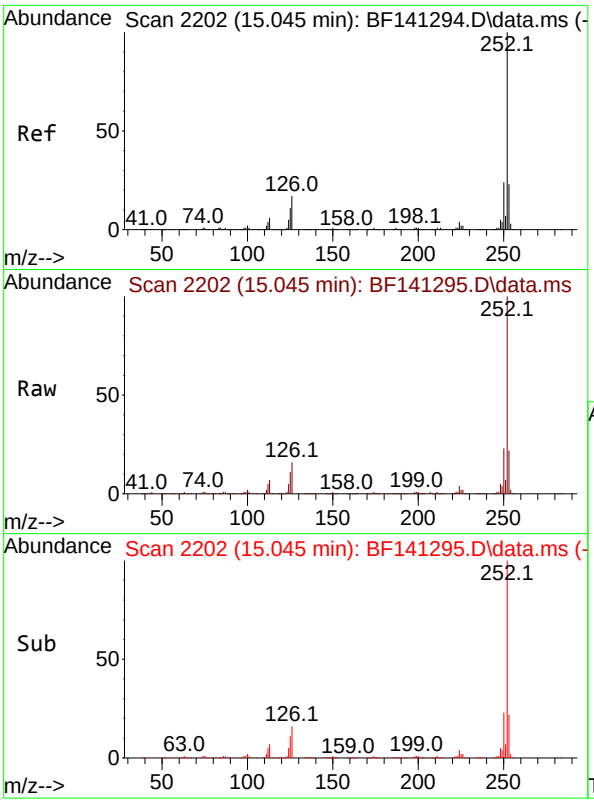


#88
Benzo(b)fluoranthene
Concen: 50.916 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 860351

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	11.0	8.6	12.8

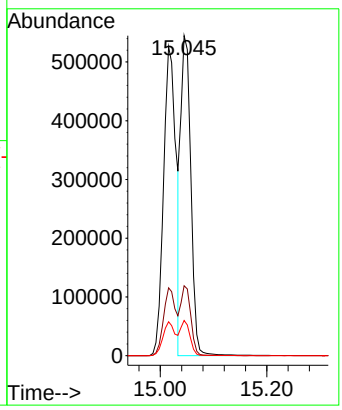




#89
Benzo(k)fluoranthene
Concen: 47.153 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 71350

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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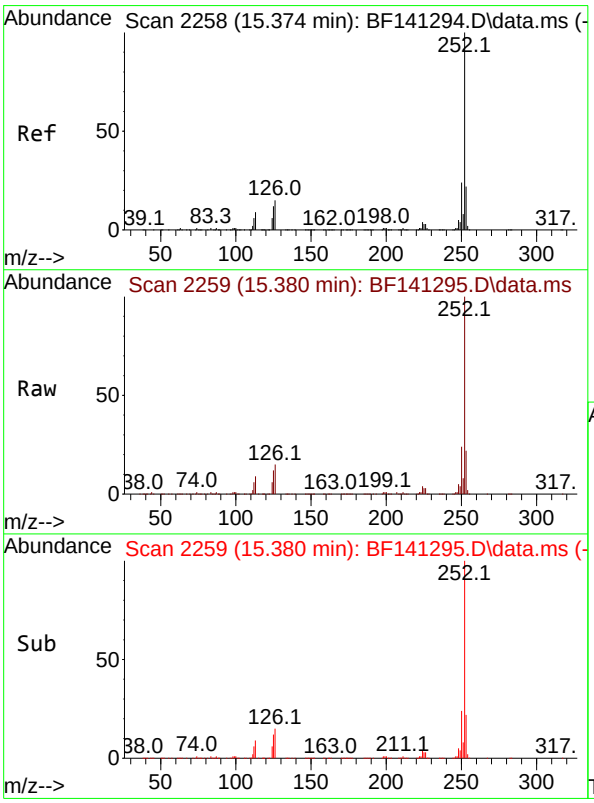
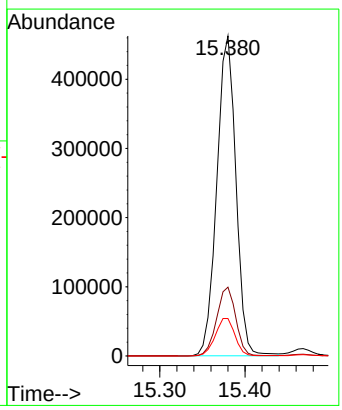
Supervised By :mohammad ahmed 02/04/2025

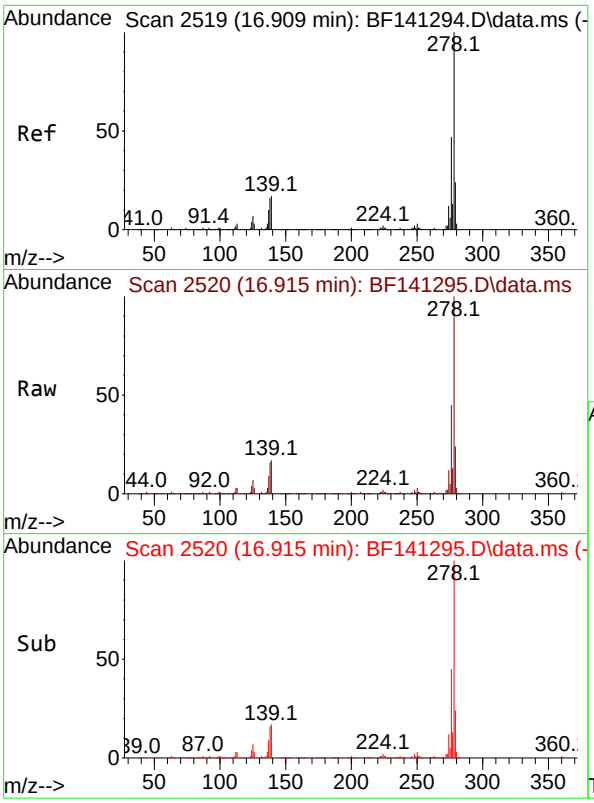


#90
Benzo(a)pyrene
Concen: 49.985 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 721834

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.7	9.4	14.2

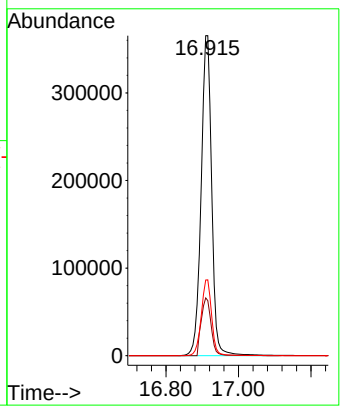




#91
Dibenzo(a,h)anthracene
Concen: 51.907 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:278 Resp: 73939

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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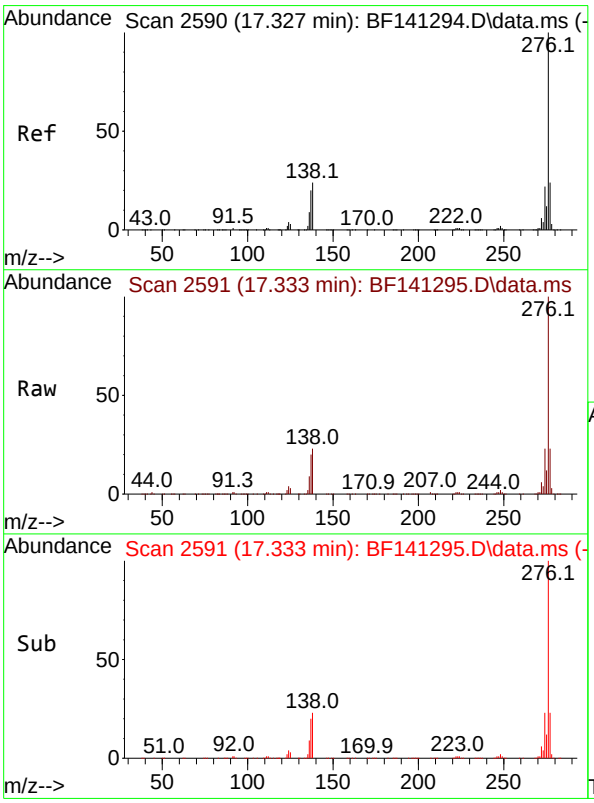
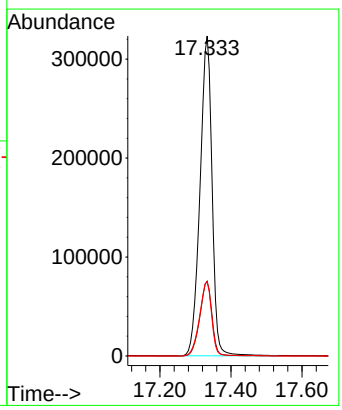
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 50.990 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 764064

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	23.2	19.0	28.4



Quantitation Report (QT Reviewed)

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Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	125203	20.000	ng		0.00
21) Naphthalene-d8	8.086	136	490777	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	260269	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	434671	20.000	ng		0.00
76) Chrysene-d12	13.974	240	225615	20.000	ng		0.00
86) Perylene-d12	15.451	264	265921	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	952391	113.729	ng		0.00
7) Phenol-d6	6.434	99	1210477	113.542	ng		0.00
23) Nitrobenzene-d5	7.369	82	1098197	115.711	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	279105	113.824	ng		0.00
45) 2-Fluorobiphenyl	9.163	172	1824372	102.411	ng		0.00
79) Terphenyl-d14	12.916	244	1665591	109.453	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	213805	58.657	ng		99
3) Pyridine	3.216	79	527201	60.698	ng		99
4) n-Nitrosodimethylamine	3.181	42	305314	61.956	ng		99
6) Aniline	6.463	93	506937	55.493	ng	#	89
8) 2-Chlorophenol	6.587	128	509043	56.606	ng		98
9) Benzaldehyde	6.351	77	314238	48.677	ng		98
10) Phenol	6.445	94	640034	56.549	ng		94
11) bis(2-Chloroethyl)ether	6.539	93	499321	58.245	ng		99
12) 1,3-Dichlorobenzene	6.739	146	553756	55.698	ng		99
13) 1,4-Dichlorobenzene	6.816	146	558572	55.945	ng		100
14) 1,2-Dichlorobenzene	6.975	146	513179	54.417	ng		99
15) Benzyl Alcohol	6.945	79	422722	58.473	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	859130	57.194	ng		99
17) 2-Methylphenol	7.057	107	420597	58.211	ng		99
18) Hexachloroethane	7.316	117	210746	57.649	ng		97
19) n-Nitroso-di-n-propyla...	7.222	70	355036	56.162	ng		97
20) 3+4-Methylphenols	7.210	107	496888	54.781	ng		98
22) Acetophenone	7.216	105	651575	53.679	ng		99
24) Nitrobenzene	7.386	77	572234	58.138	ng		99
25) Isophorone	7.622	82	953671	58.383	ng		98
26) 2-Nitrophenol	7.698	139	280785	61.652	ng		99
27) 2,4-Dimethylphenol	7.739	122	350784m	60.006	ng		
28) bis(2-Chloroethoxy)met...	7.833	93	605644	57.853	ng		99
29) 2,4-Dichlorophenol	7.939	162	421748	58.315	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	465841	55.787	ng		99
31) Naphthalene	8.104	128	1475900	54.933	ng		99
32) Benzoic acid	7.863	122	380664m	76.193	ng		
33) 4-Chloroaniline	8.157	127	513149	56.786	ng		99
34) Hexachlorobutadiene	8.222	225	275524	56.533	ng		100
35) Caprolactam	8.533	113	141023	60.337	ng		99
36) 4-Chloro-3-methylphenol	8.633	107	452438	58.389	ng		97
37) 2-Methylnaphthalene	8.792	142	941153	55.126	ng		98
38) 1-Methylnaphthalene	8.892	142	917389	54.632	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	430239	56.609	ng		100
41) Hexachlorocyclopentadiene	8.945	237	141387	66.154	ng		100
43) 2,4,6-Trichlorophenol	9.075	196	288290	58.588	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	314912	59.000	ng	99
46) 1,1'-Biphenyl	9.263	154	1139946	54.084	ng	99
47) 2-Chloronaphthalene	9.286	162	902561	55.247	ng	99
48) 2-Nitroaniline	9.380	65	300339	59.861	ng	98
49) Acenaphthylene	9.698	152	1258733	54.924	ng	100
50) Dimethylphthalate	9.569	163	1012298	56.075	ng	100
51) 2,6-Dinitrotoluene	9.627	165	241241	58.050	ng	98
52) Acenaphthene	9.875	154	921519	56.639	ng	100
53) 3-Nitroaniline	9.792	138	232680	56.245	ng	99
54) 2,4-Dinitrophenol	9.898	184	132244	84.109	ng	95
55) Dibenzofuran	10.045	168	1202027	54.629	ng	99
56) 4-Nitrophenol	9.951	139	190620	66.120	ng	99
57) 2,4-Dinitrotoluene	10.027	165	315221	58.312	ng	97
58) Fluorene	10.386	166	915246	53.236	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	252964	60.106	ng	100
60) Diethylphthalate	10.263	149	983788	55.897	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	445841	53.136	ng	99
62) 4-Nitroaniline	10.410	138	242716	61.216	ng	99
63) Azobenzene	10.539	77	996603	56.821	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	174248	71.103	ng	99
66) n-Nitrosodiphenylamine	10.504	169	800147	55.423	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	286647	57.957	ng	96
68) Hexachlorobenzene	10.933	284	302508	57.366	ng	99
69) Atrazine	11.033	200	306524	66.863	ng	99
70) Pentachlorophenol	11.127	266	194335	65.443	ng	99
71) Phenanthrene	11.351	178	1316980	54.311	ng	100
72) Anthracene	11.404	178	1298334	54.763	ng	99
73) Carbazole	11.557	167	1173330	55.874	ng	99
74) Di-n-butylphthalate	11.892	149	1410222	55.325	ng	100
75) Fluoranthene	12.539	202	1279995	52.878	ng	99
77) Benzidine	12.663	184	490009	67.692	ng	100
78) Pyrene	12.768	202	1284820	57.717	ng	100
80) Butylbenzylphthalate	13.392	149	465533	60.745	ng	99
81) Benzo(a)anthracene	13.962	228	917219	57.742	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	315503	64.819	ng	100
83) Chrysene	14.004	228	841120	58.239	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	564642	57.438	ng	99
85) Di-n-octyl phthalate	14.598	149	951473	64.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	1054987	61.732	ng	99
88) Benzo(b)fluoranthene	15.033	252	971433	56.615	ng	99
89) Benzo(k)fluoranthene	15.062	252	845842	55.934	ng	100
90) Benzo(a)pyrene	15.392	252	838283	58.588	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	854214	62.119	ng	98
92) Benzo(g,h,i)perylene	17.351	276	881804	61.510	ng	100

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

ICAL Form

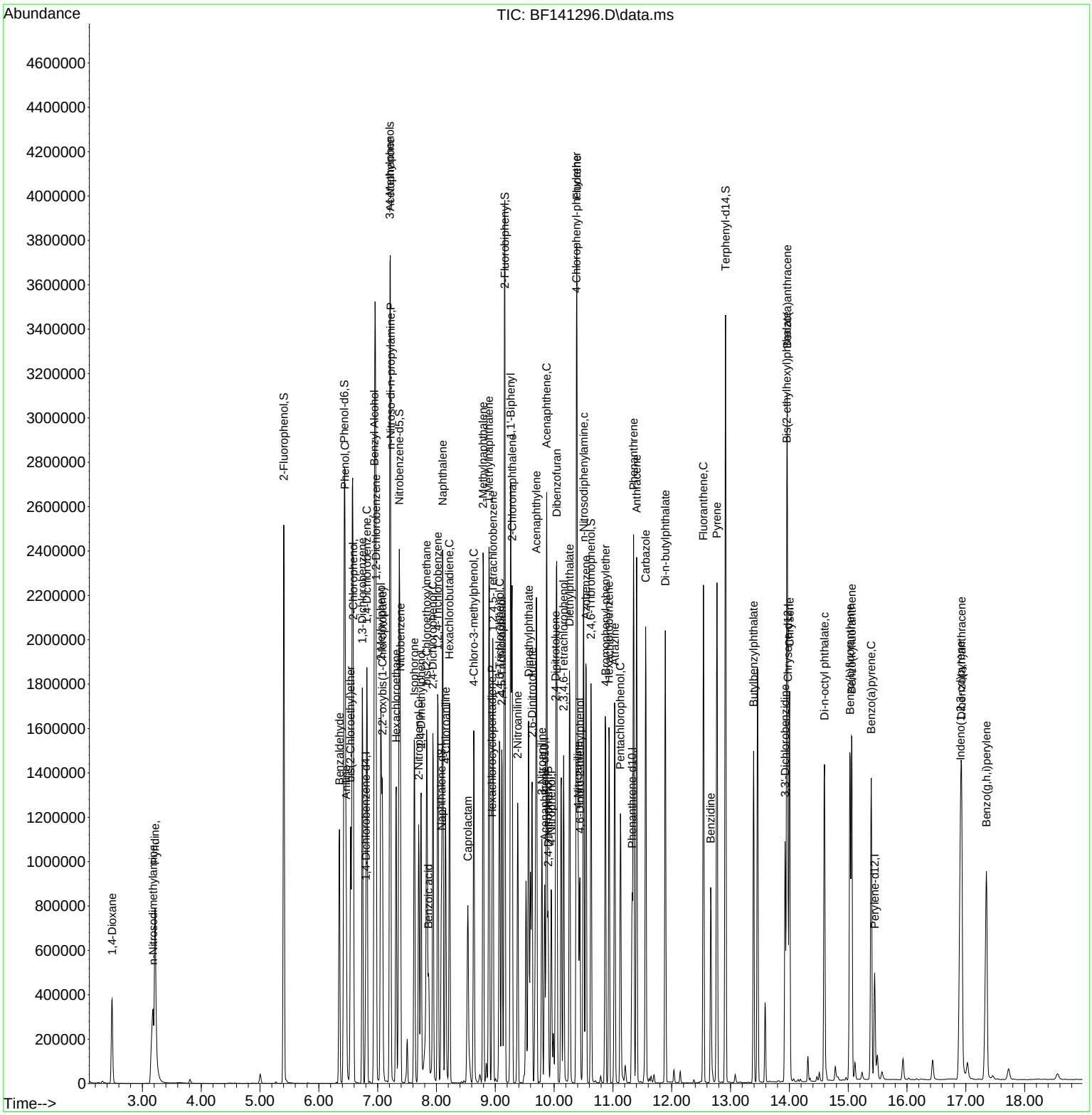
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

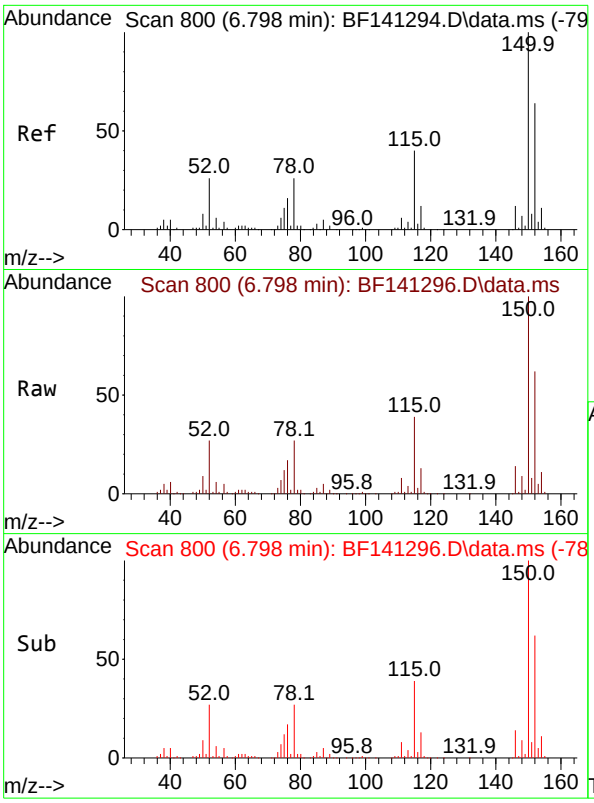
Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

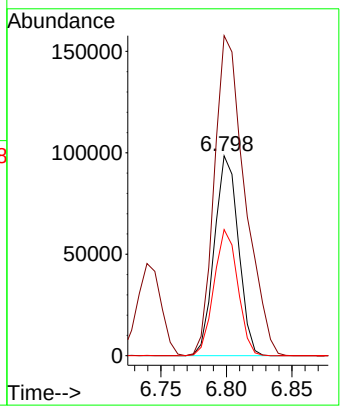




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:152 Resp: 12520

Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.9	188.9
115	63.2	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

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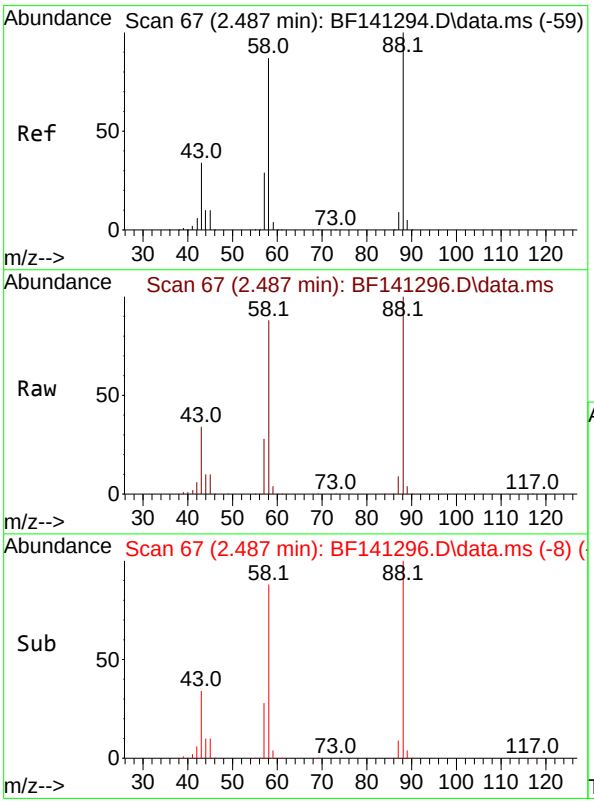
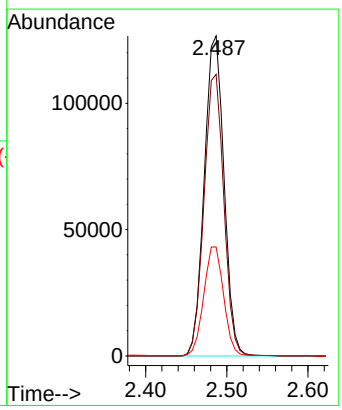
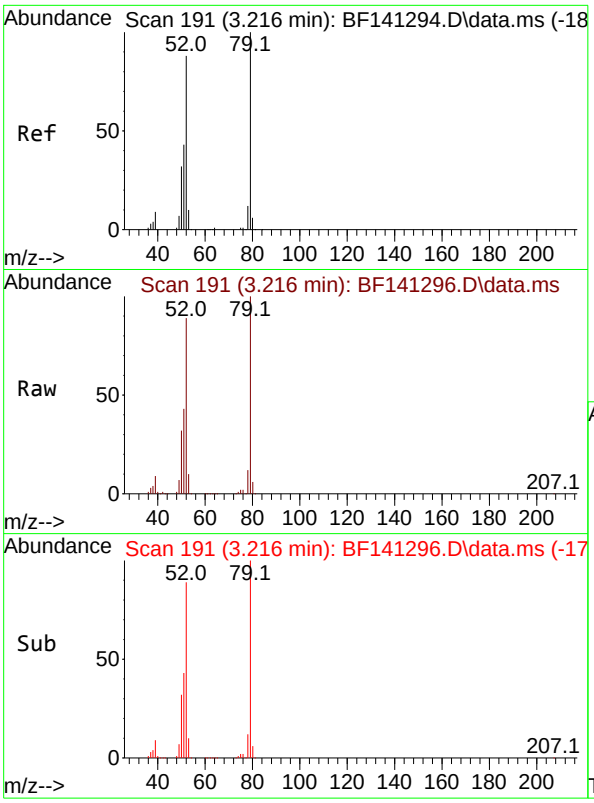


#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 88 Resp: 213805

Ion	Ratio	Lower	Upper
88	100		
58	88.5	70.2	105.4
43	34.0	27.6	41.4

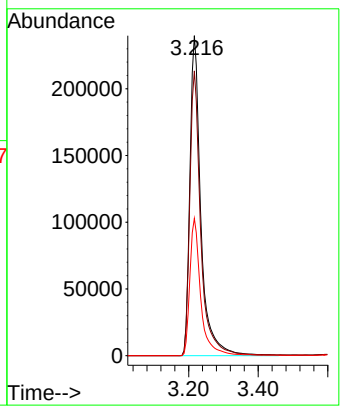




#3
Pyridine
Concen: 60.698 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 52720

Ion	Ratio	Lower	Upper
79	100		
52	89.0	70.3	105.5
51	42.9	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
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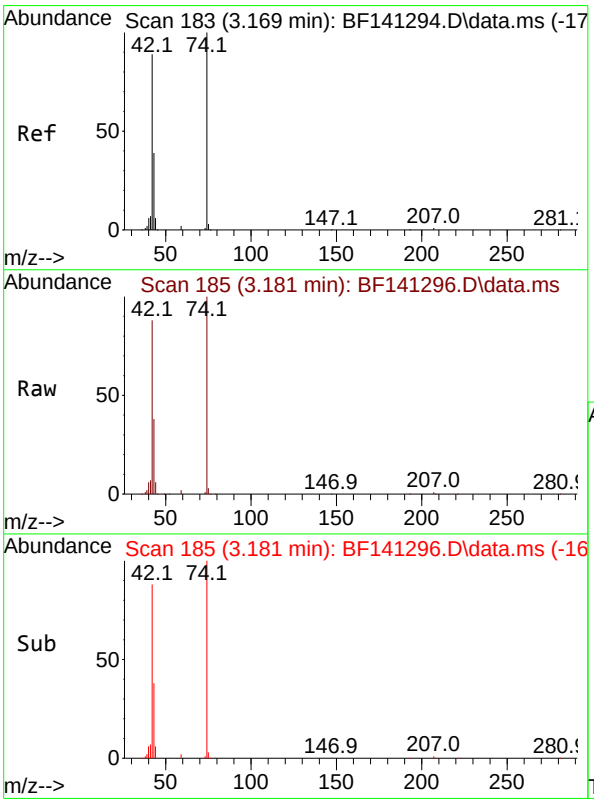
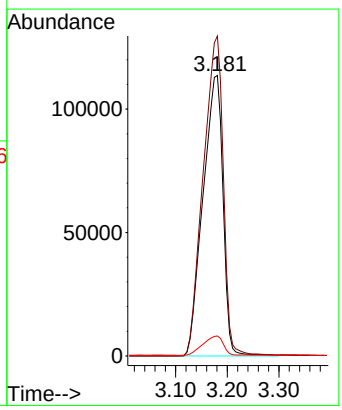
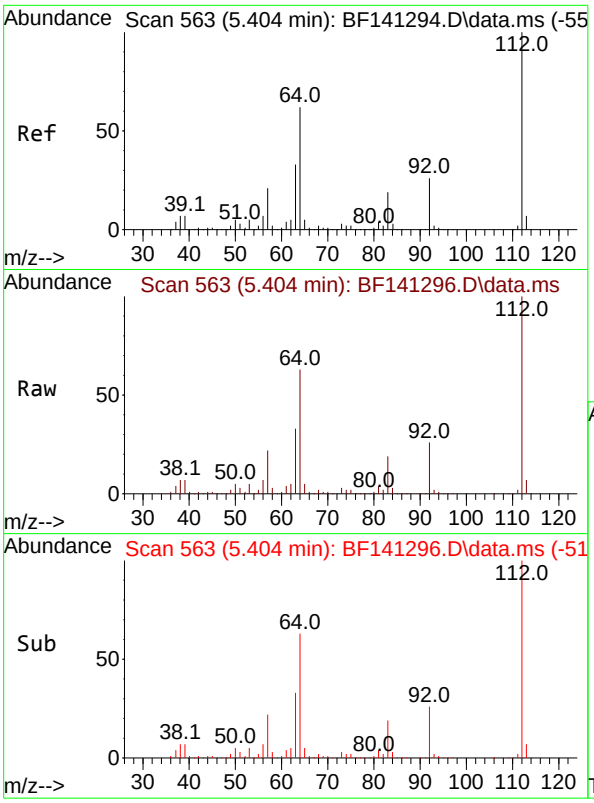


#4
n-Nitrosodimethylamine
Concen: 61.956 ng
RT: 3.181 min Scan# 185
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 42 Resp: 305314

Ion	Ratio	Lower	Upper
42	100		
74	114.1	90.3	135.5
44	7.2	5.7	8.5

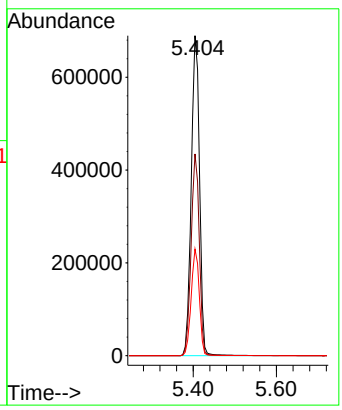




#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:112 Resp: 95239

Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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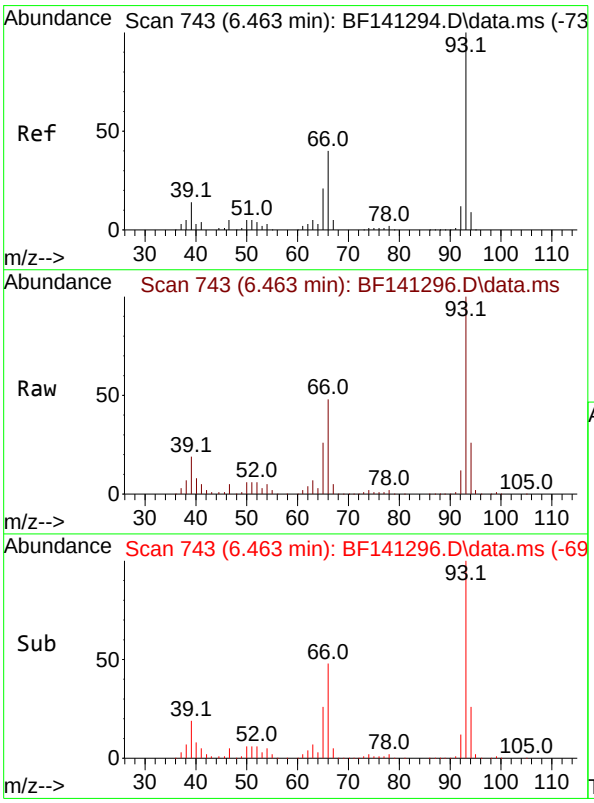
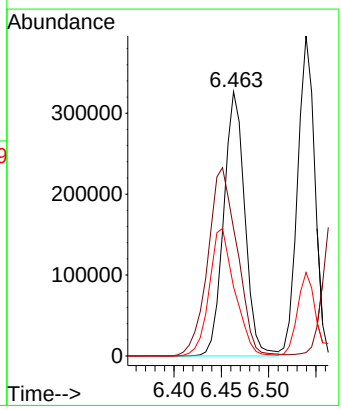
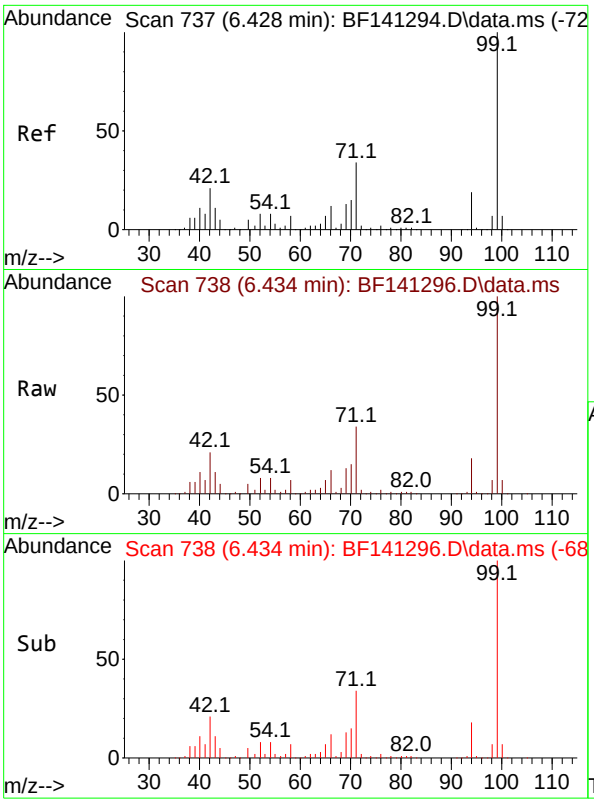


#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 506937

Ion	Ratio	Lower	Upper
93	100		
66	48.2	32.5	48.7
65	26.1	17.0	25.6#

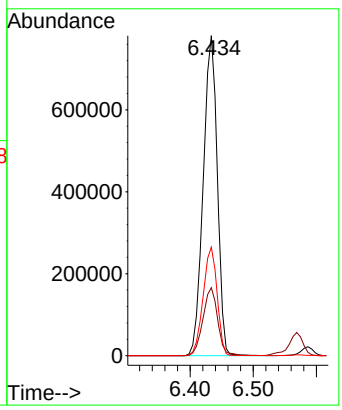




#7
Phenol-d6
Concen: 113.542 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 99 Resp: 121047

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	33.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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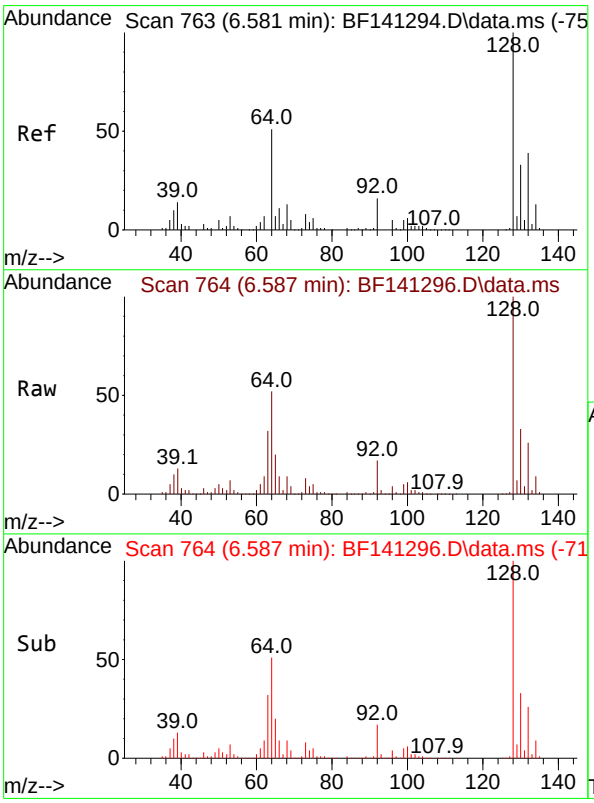
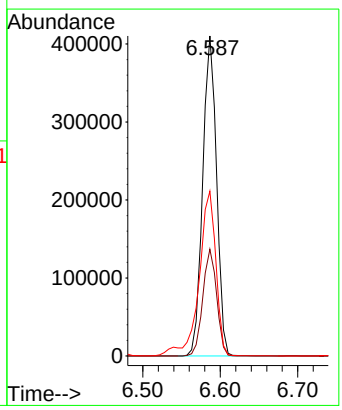
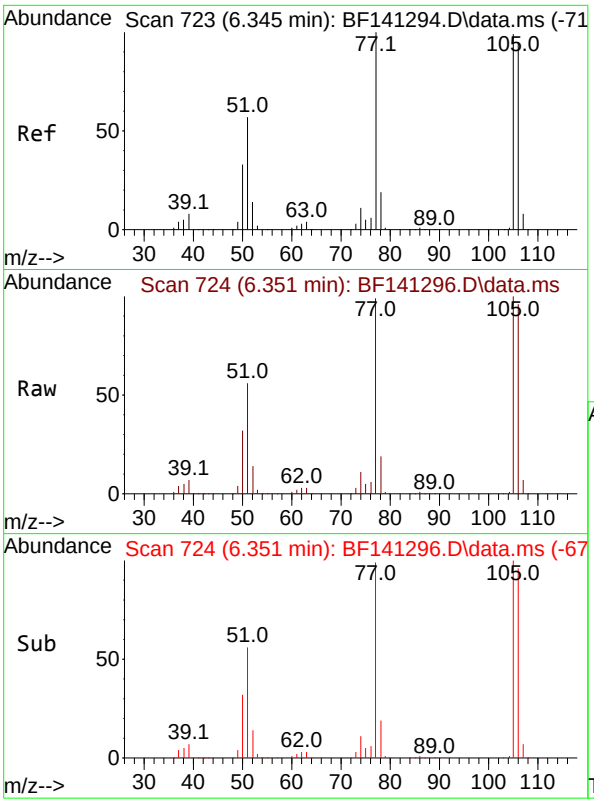


#8
2-Chlorophenol
Concen: 56.606 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:128 Resp: 509043

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	51.5	32.9	72.9

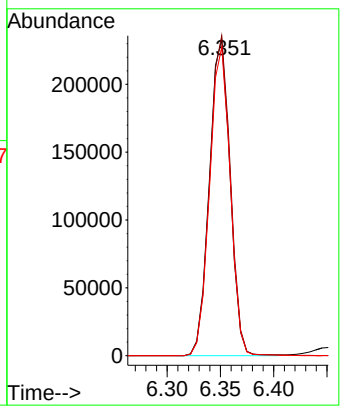




#9
Benzaldehyde
Concen: 48.677 ng
RT: 6.351 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 31423

Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.4	119.4
106	97.6	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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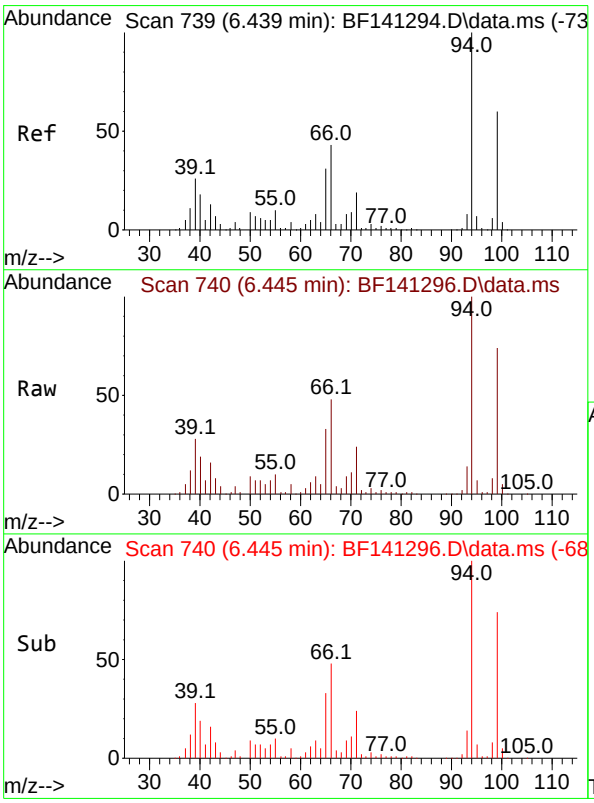
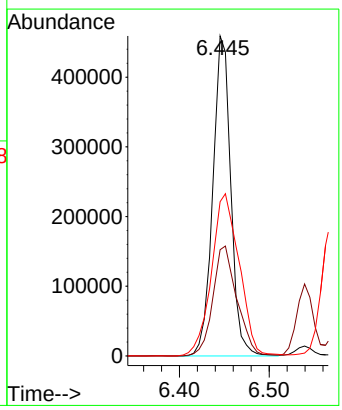
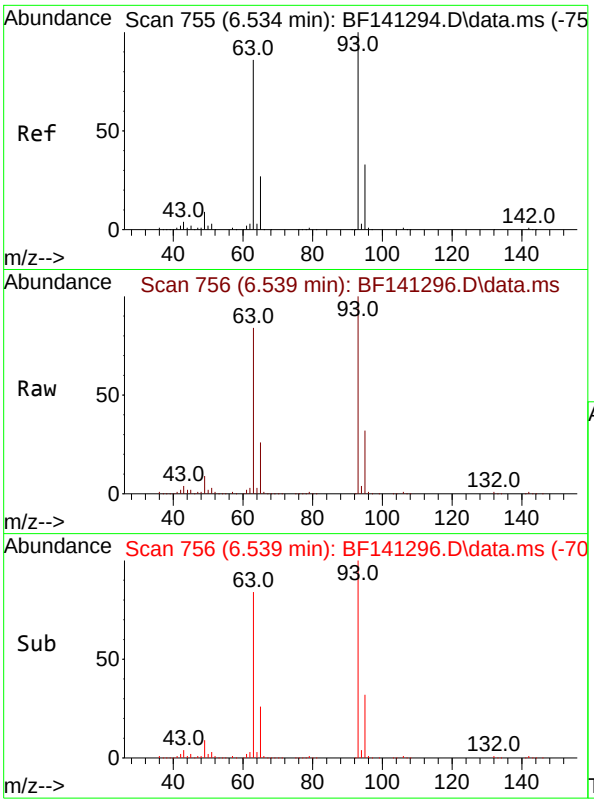


#10
Phenol
Concen: 56.549 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 94 Resp: 640034

Ion	Ratio	Lower	Upper
94	100		
65	33.2	10.8	50.8
66	48.2	23.3	63.3

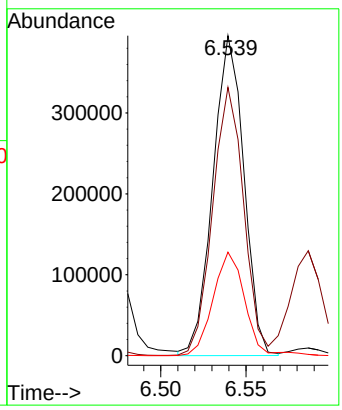




#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 49932

Ion	Ratio	Lower	Upper
93	100		
63	83.9	65.0	105.0
95	32.3	12.4	52.4



Instrument :
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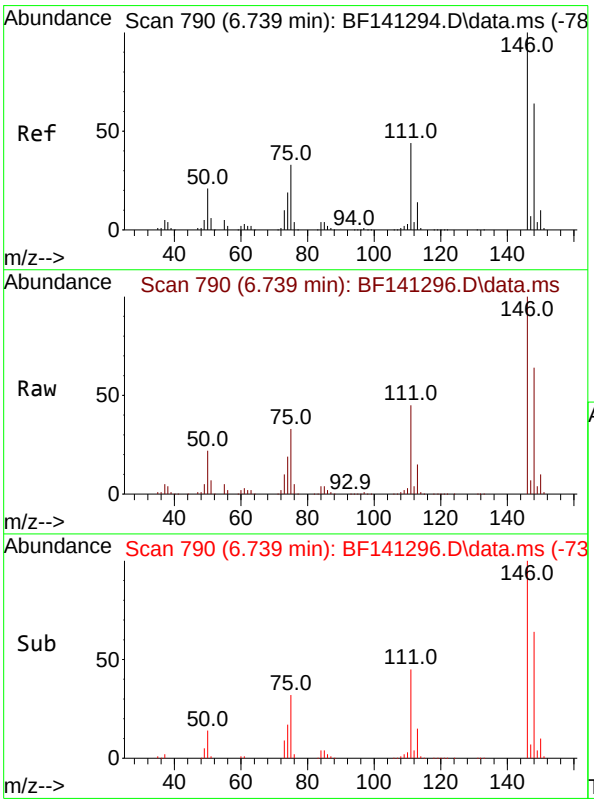
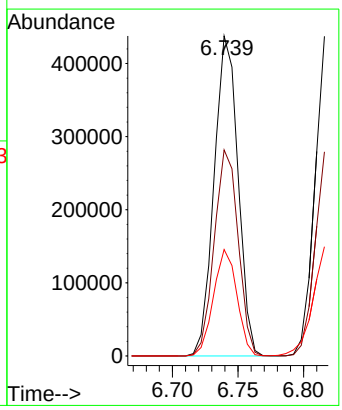
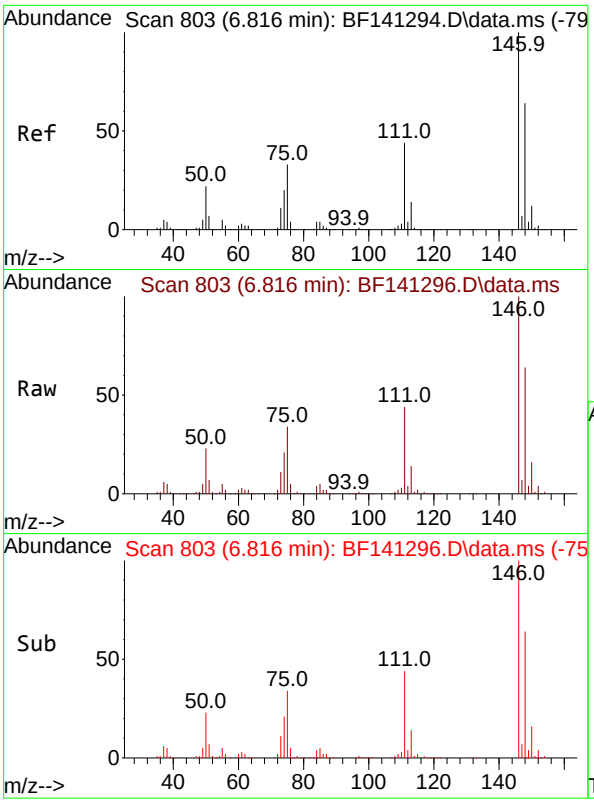


#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 553756

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	33.2	26.2	39.4

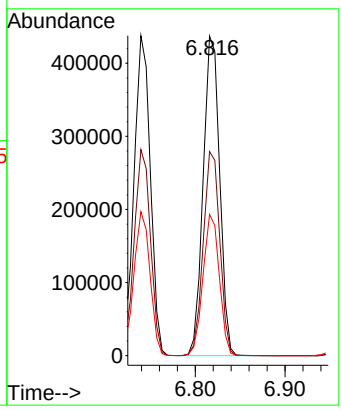




#13
1,4-Dichlorobenzene
Concen: 55.945 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 55857

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	44.2	35.0	52.4



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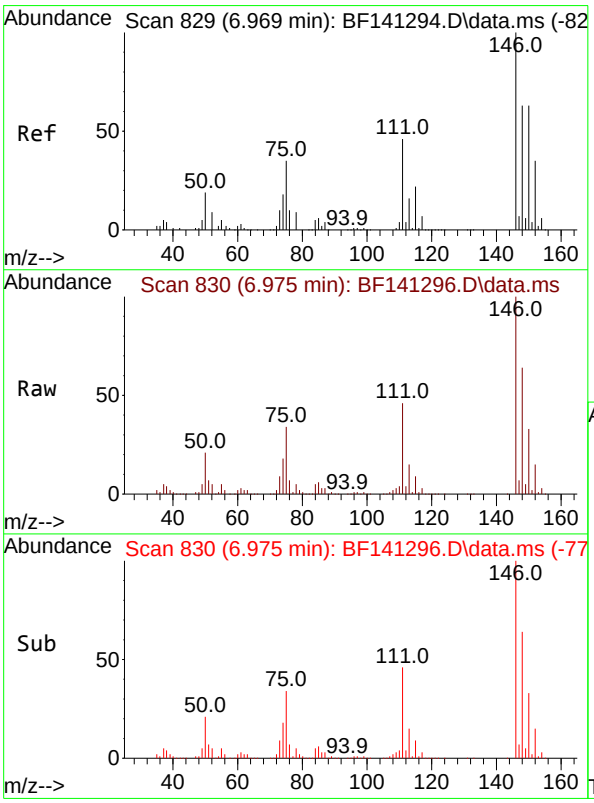
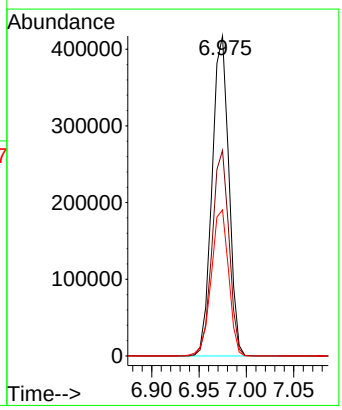
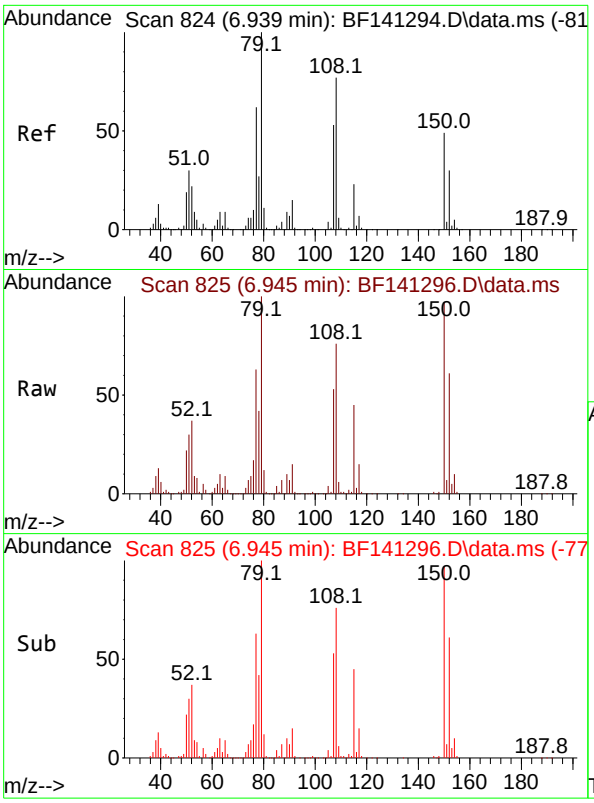


#14
1,2-Dichlorobenzene
Concen: 54.417 ng
RT: 6.975 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 513179

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
111	45.7	36.6	55.0

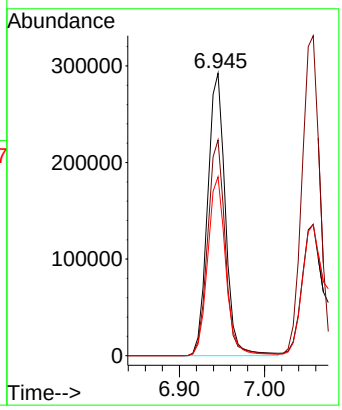




#15
Benzyl Alcohol
Concen: 58.473 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 42272

Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.4	92.0
77	63.3	49.9	74.9



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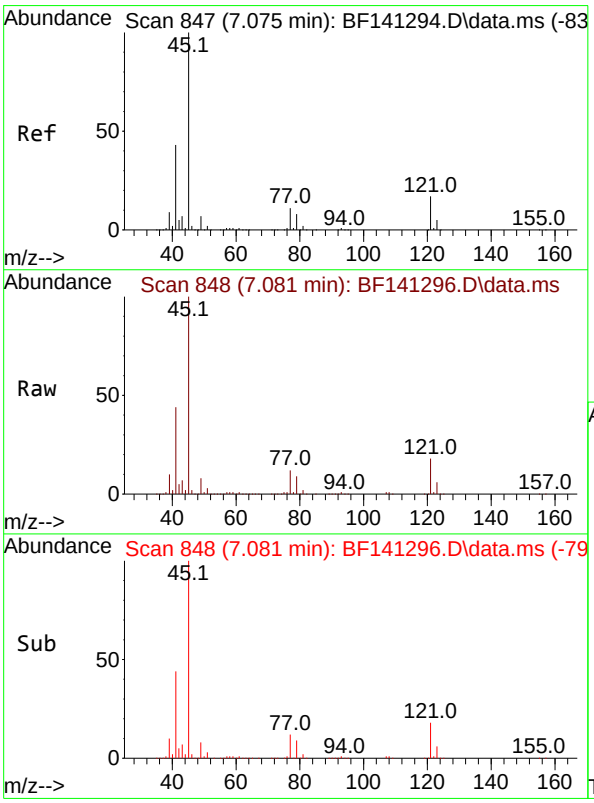
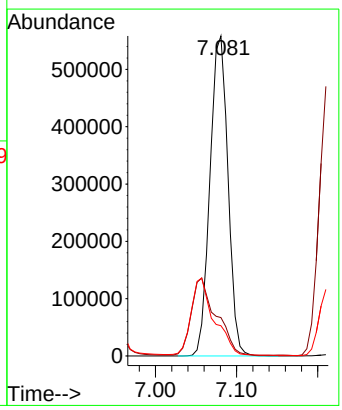
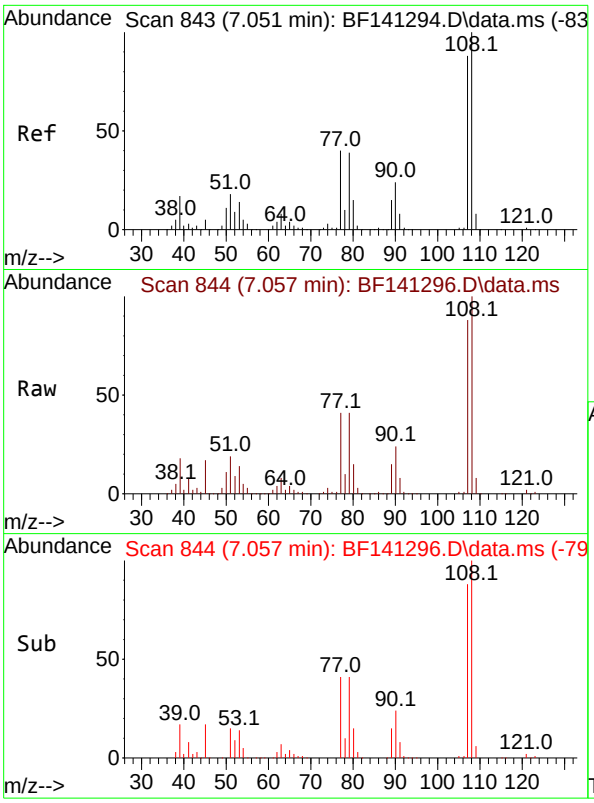


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.194 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 45 Resp: 859130

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	31.8
79	9.4	0.0	29.1

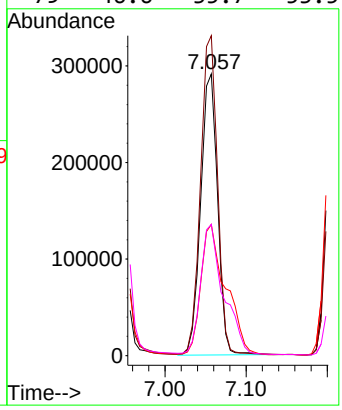




#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 42059

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.8	136.2
77	46.6	36.2	54.4
79	46.6	35.7	53.5



Instrument :
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ClientSampleId :
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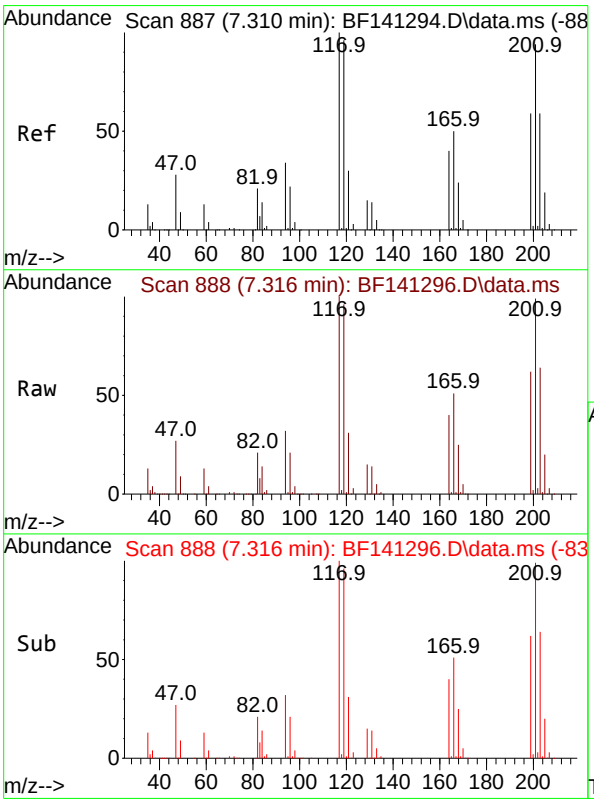
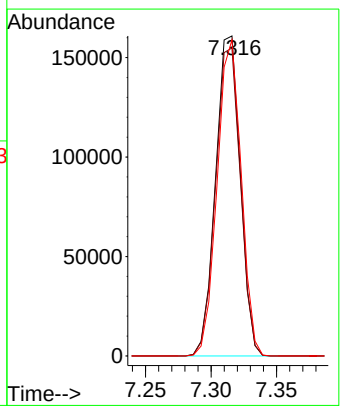
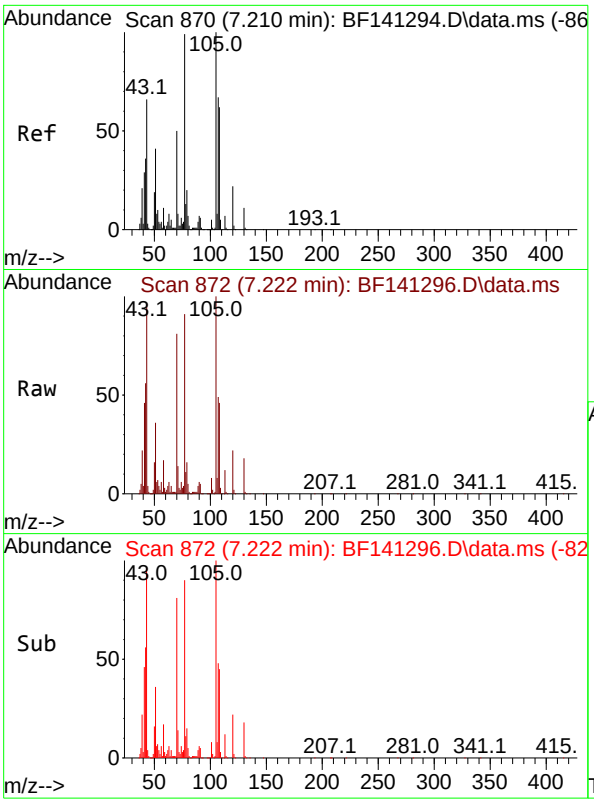


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:117 Resp: 210746

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	114.8
201	98.8	74.8	112.2

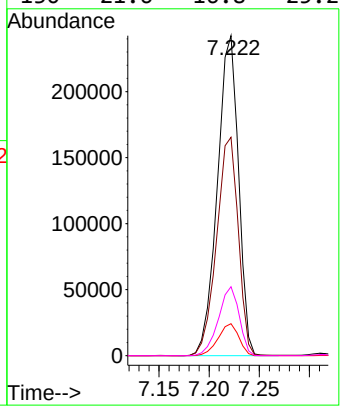




#19
n-Nitroso-di-n-propylamine
Concen: 56.162 ng
RT: 7.222 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 70 Resp: 35503

Ion	Ratio	Lower	Upper
70	100		
42	68.3	56.8	85.2
101	10.0	7.7	11.5
130	21.6	16.8	25.2



Instrument :
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ClientSampleId :
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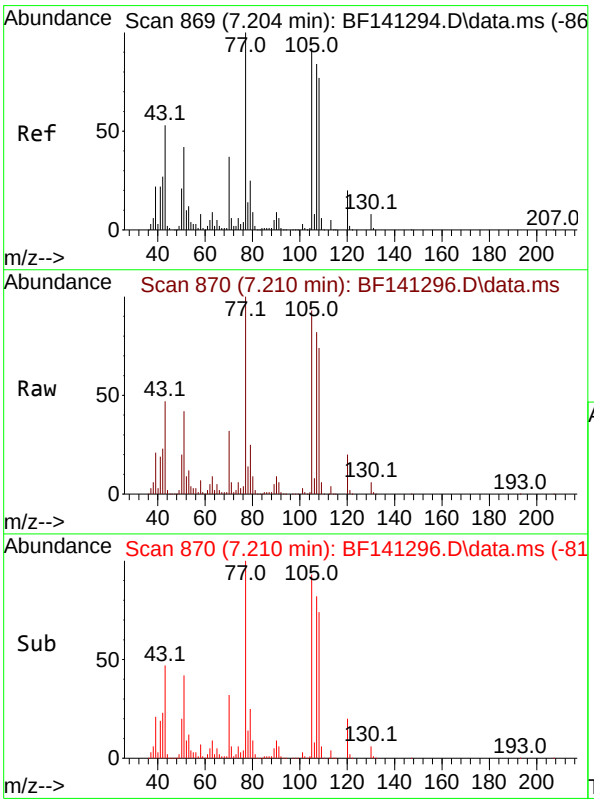
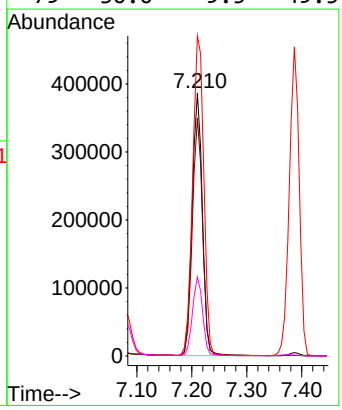
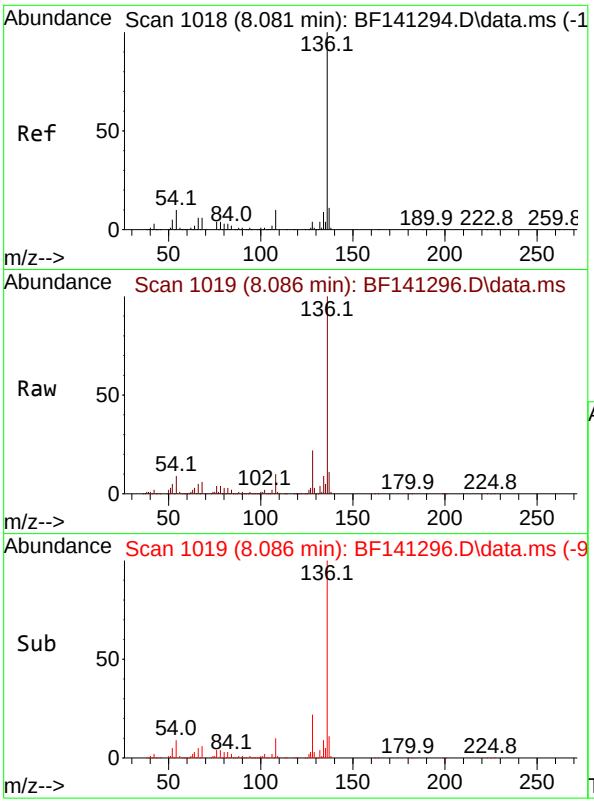


#20
3+4-Methylphenols
Concen: 54.781 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 496888

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.9	110.9
77	121.7	98.5	138.5
79	30.0	9.5	49.5

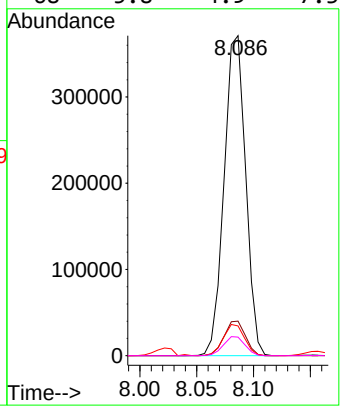




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:136 Resp: 49077

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.3	7.8	11.8
68	5.8	4.9	7.3



Instrument :
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ClientSampleId :
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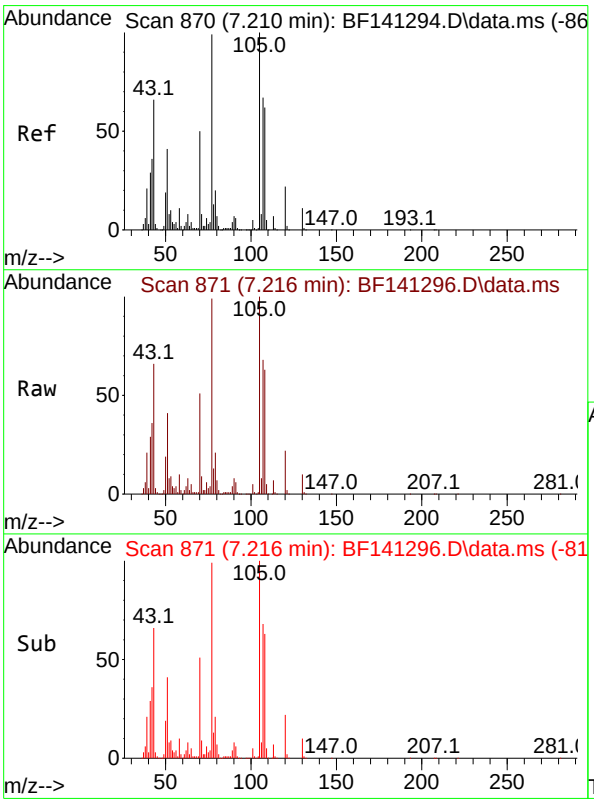
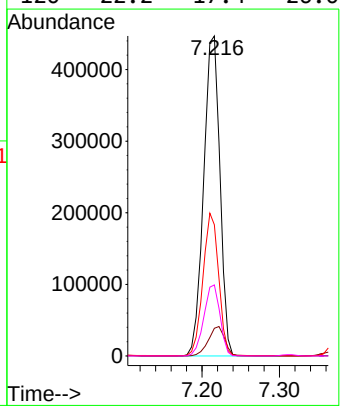
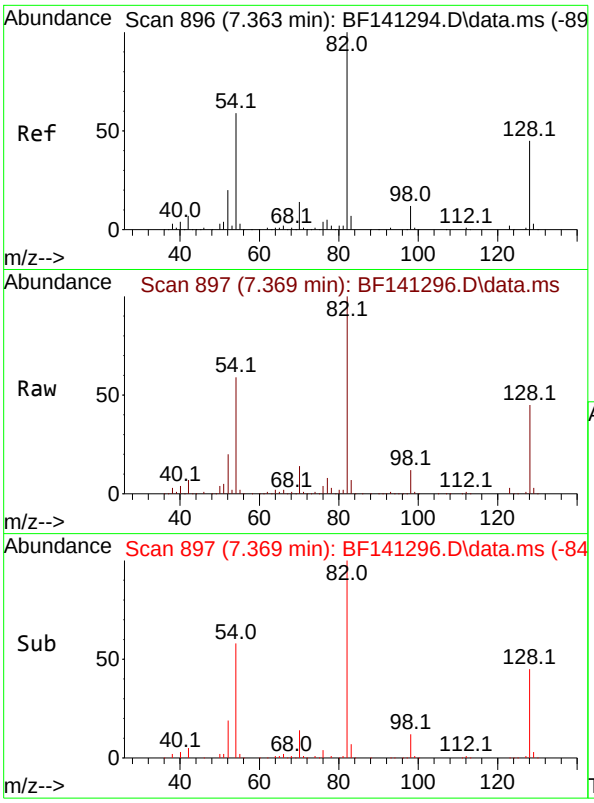


#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:105 Resp: 651575

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.8	10.2
51	41.0	32.6	49.0
120	22.2	17.4	26.0

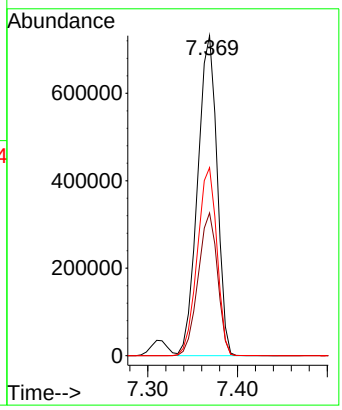




#23
Nitrobenzene-d5
Concen: 115.711 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 82 Resp: 109819

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.7	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
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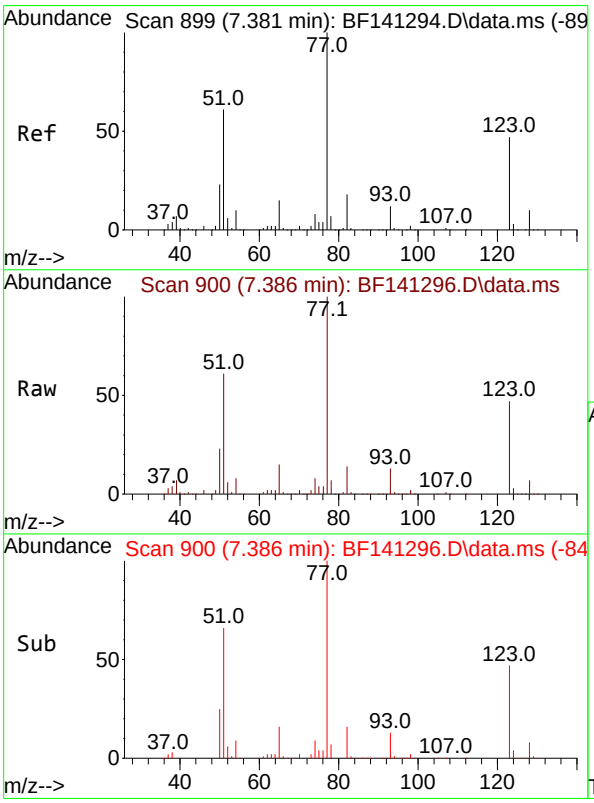
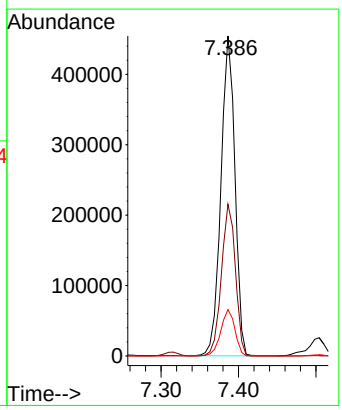
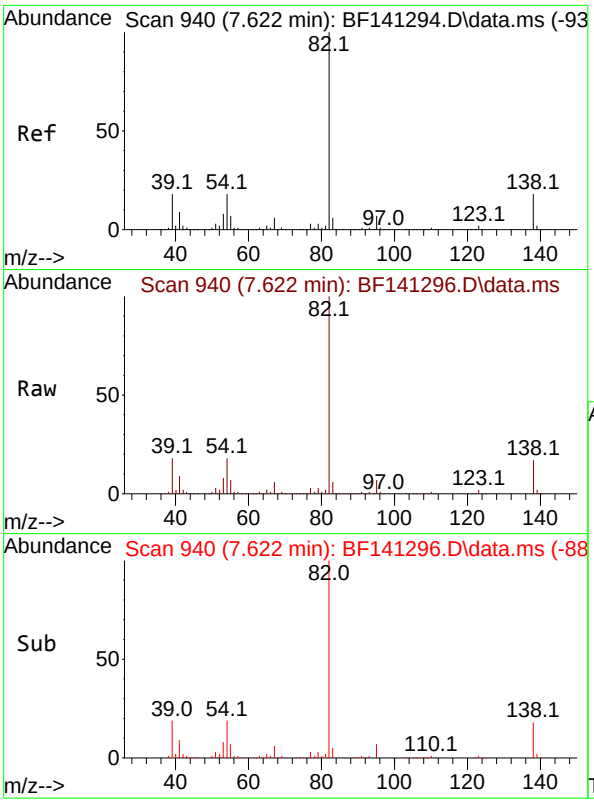


#24
Nitrobenzene
Concen: 58.138 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 572234

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.3	55.9
65	14.5	11.8	17.6

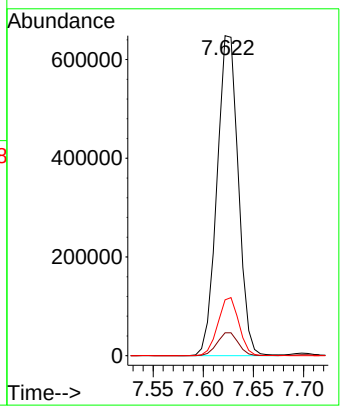




#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 82 Resp: 95367

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	17.5	14.7	22.1



Instrument :
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ClientSampleId :
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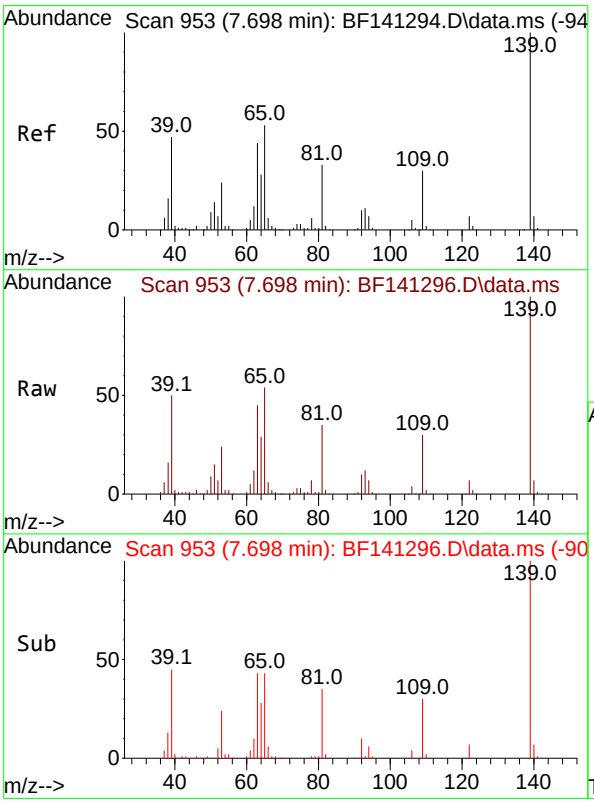
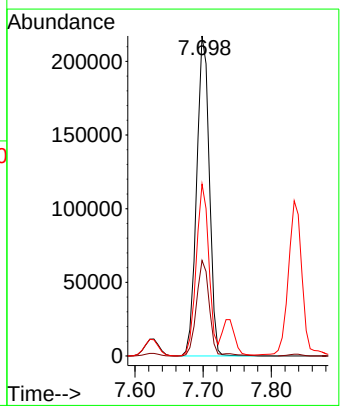
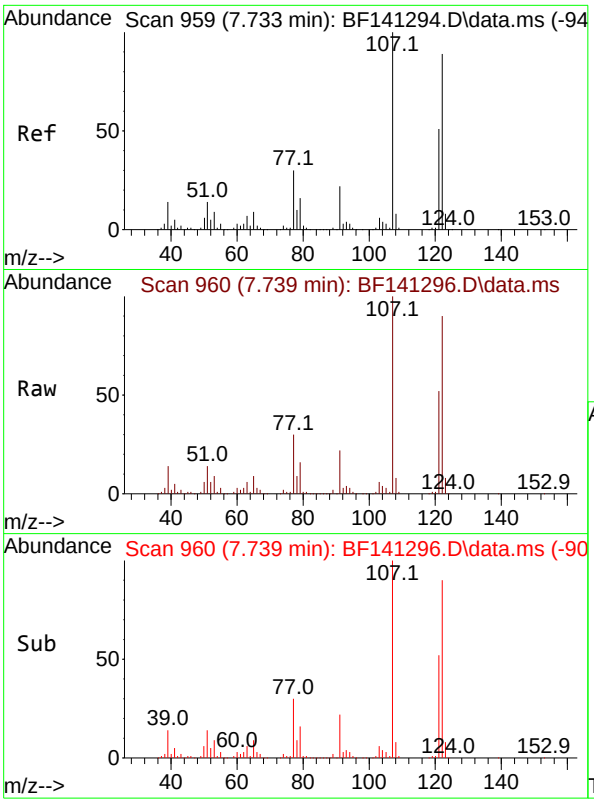


#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 280785

Ion	Ratio	Lower	Upper
139	100		
109	29.9	23.8	35.6
65	53.7	42.2	63.4

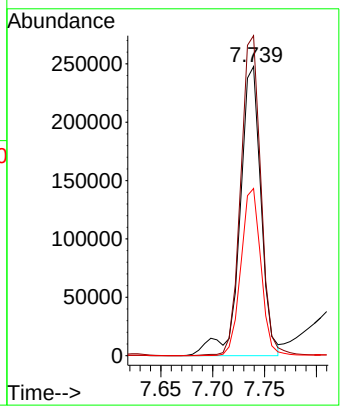




#27
2,4-Dimethylphenol
Concen: 60.006 ng m
RT: 7.739 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 35078

Ion	Ratio	Lower	Upper
122	100		
107	110.7	89.9	134.9
121	57.8	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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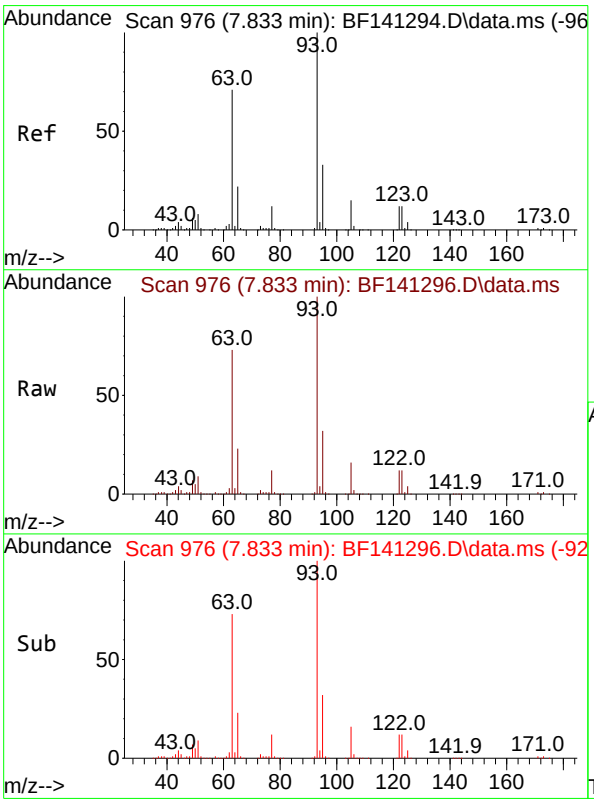
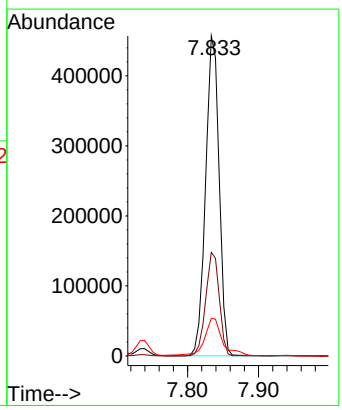
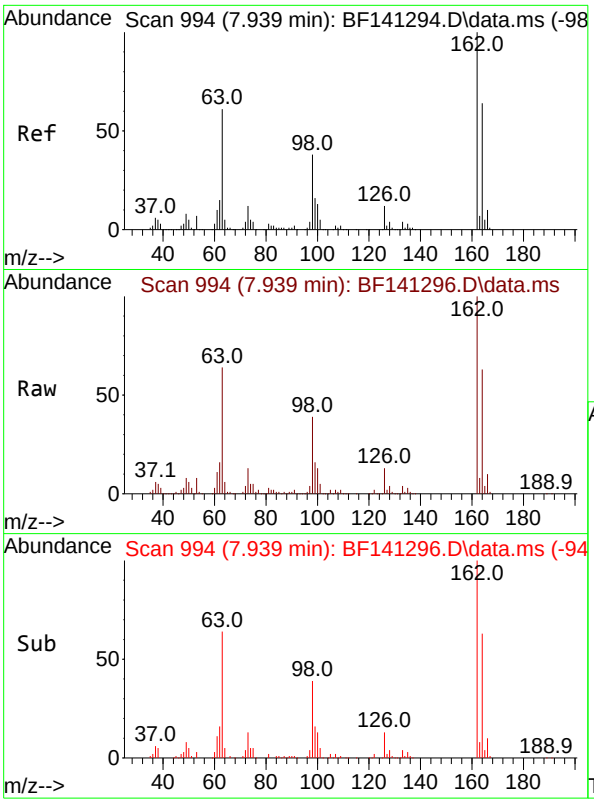


#28
bis(2-Chloroethoxy)methane
Concen: 57.853 ng
RT: 7.833 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 605644

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	11.8	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 58.315 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:162 Resp: 42174

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.2	84.2
98	38.9	18.2	58.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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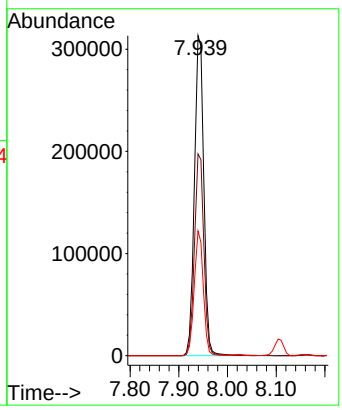
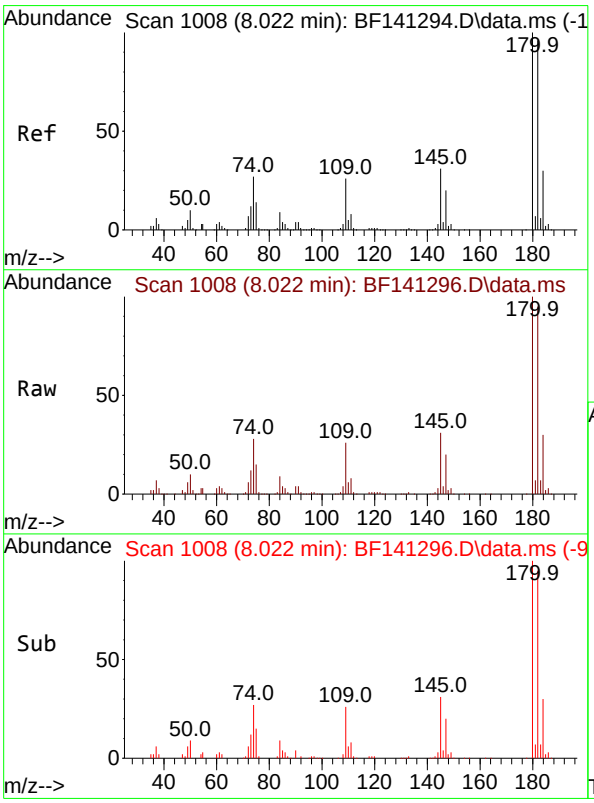
Supervised By :mohammad ahmed 02/04/2025

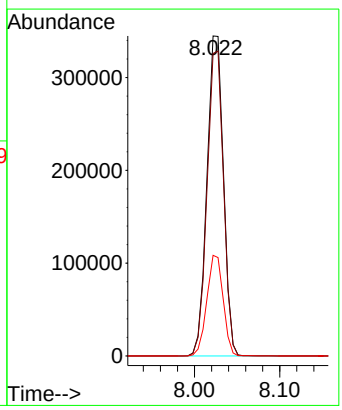


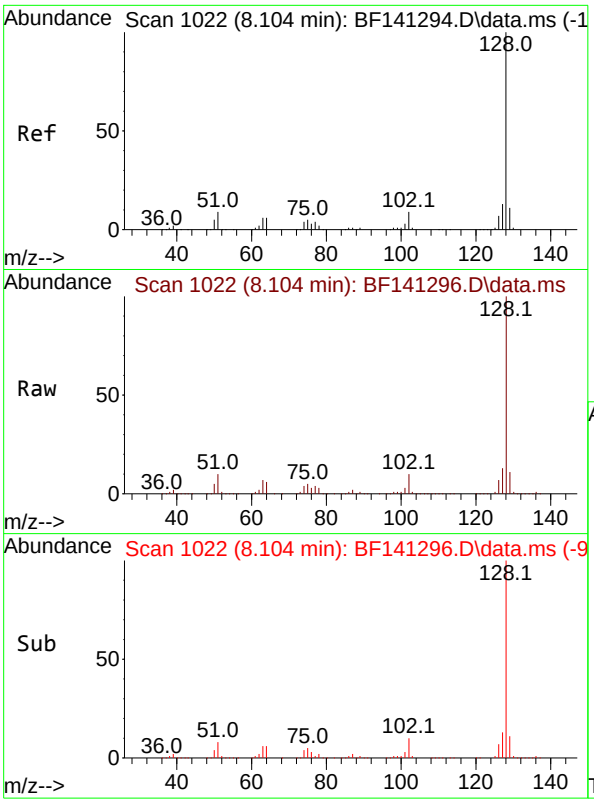


#30
1,2,4-Trichlorobenzene
Concen: 55.787 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:180 Resp: 465841

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.4	114.6
145	31.4	24.9	37.3





#31
Naphthalene
Concen: 54.933 ng
RT: 8.104 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:128 Resp: 147590(

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	13.5	10.6	15.8

Instrument :
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ClientSampleId :
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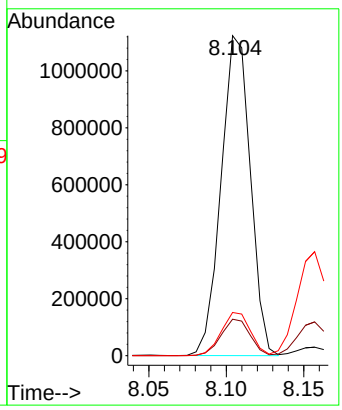
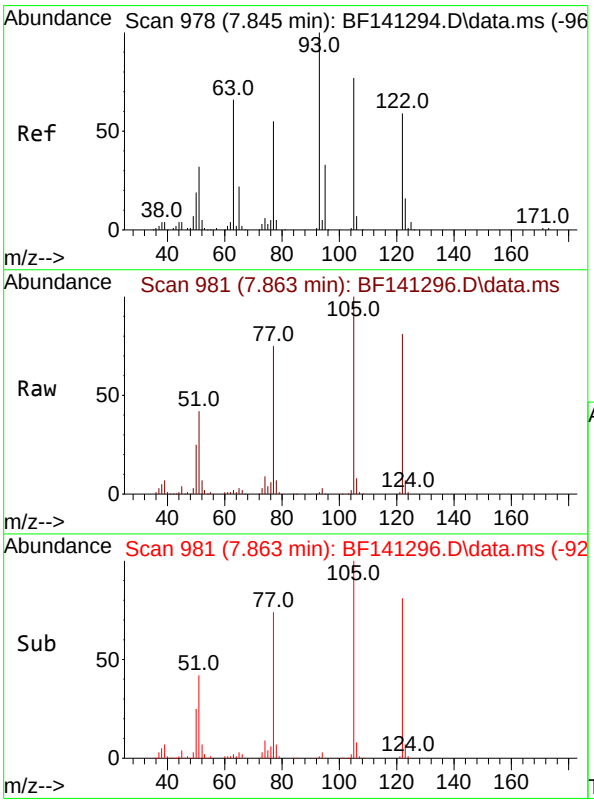
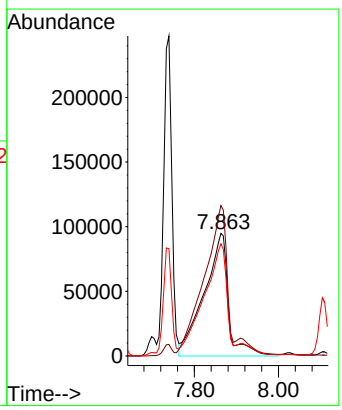


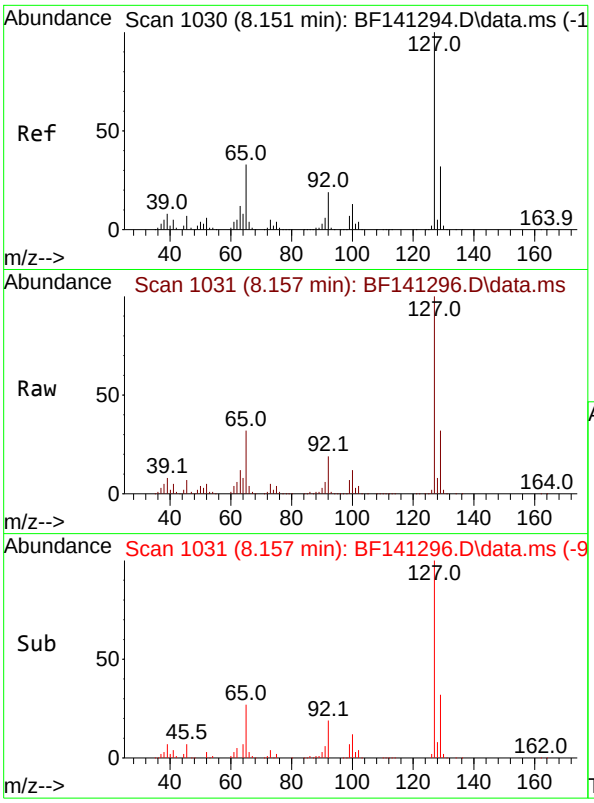


#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 380664

Ion	Ratio	Lower	Upper
122	100		
105	122.7	103.4	143.4
77	91.6	70.9	110.9

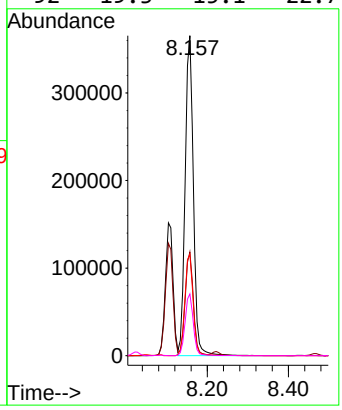




#33
4-Chloroaniline
Concen: 56.786 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:127 Resp: 51314

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	31.7	26.4	39.6
92	19.3	15.1	22.7



Instrument :
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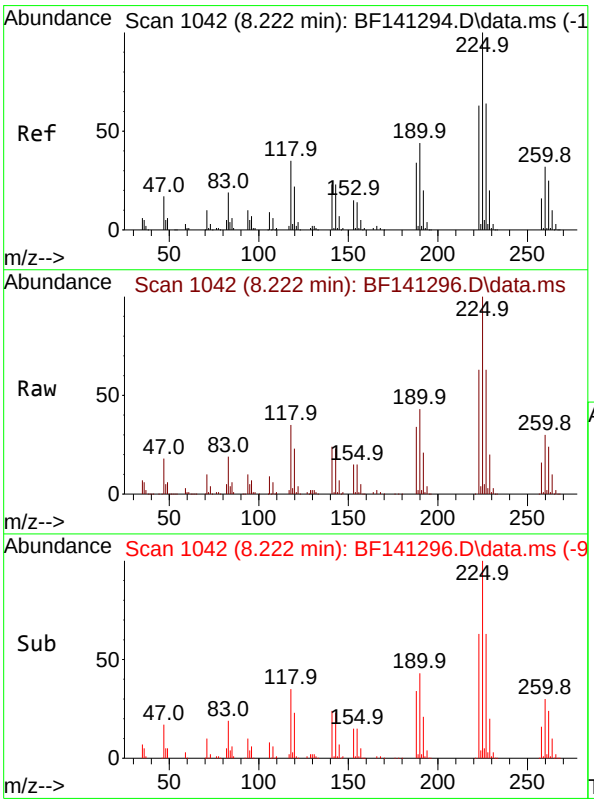
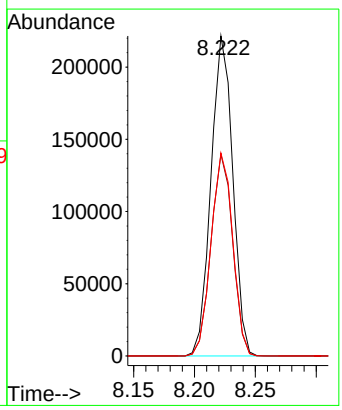
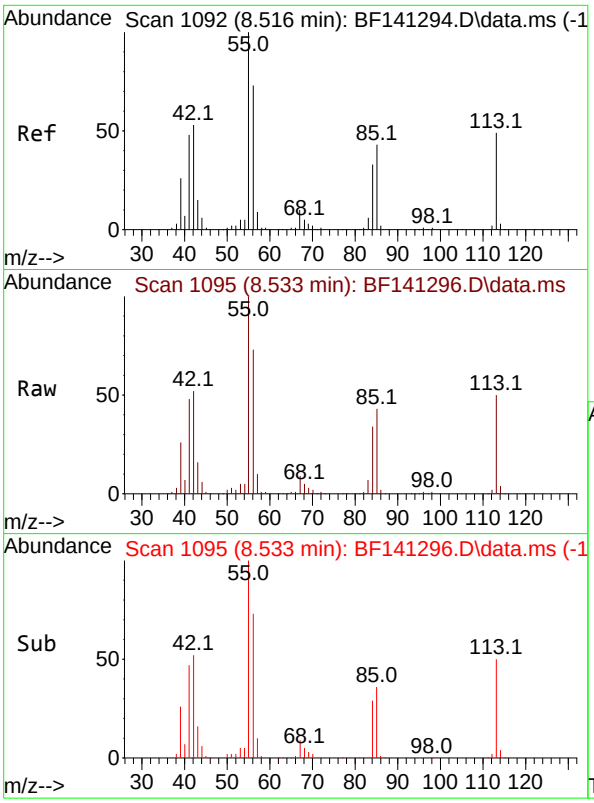


#34
Hexachlorobutadiene
Concen: 56.533 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:225 Resp: 275524

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	63.4	51.3	76.9

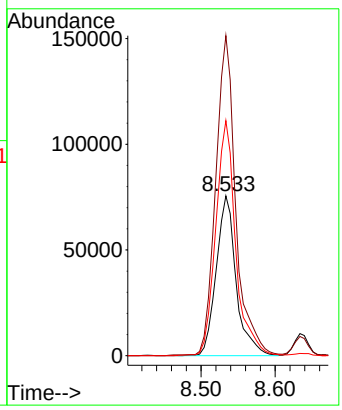




#35
Caprolactam
Concen: 60.337 ng
RT: 8.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:113 Resp: 14102

Ion	Ratio	Lower	Upper
113	100		
55	200.2	182.9	222.9
56	147.0	127.9	167.9



Instrument :
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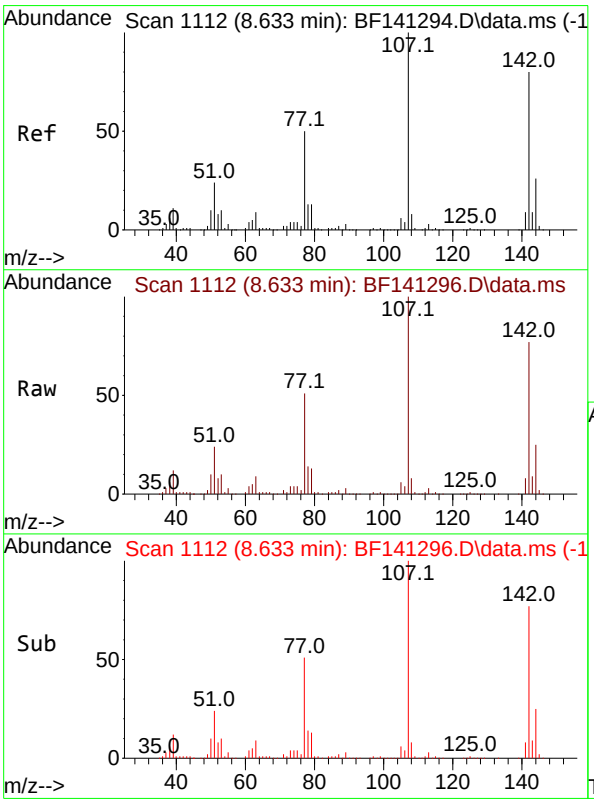
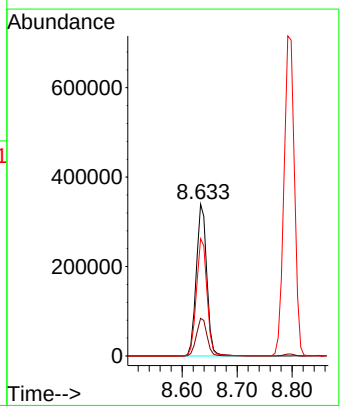
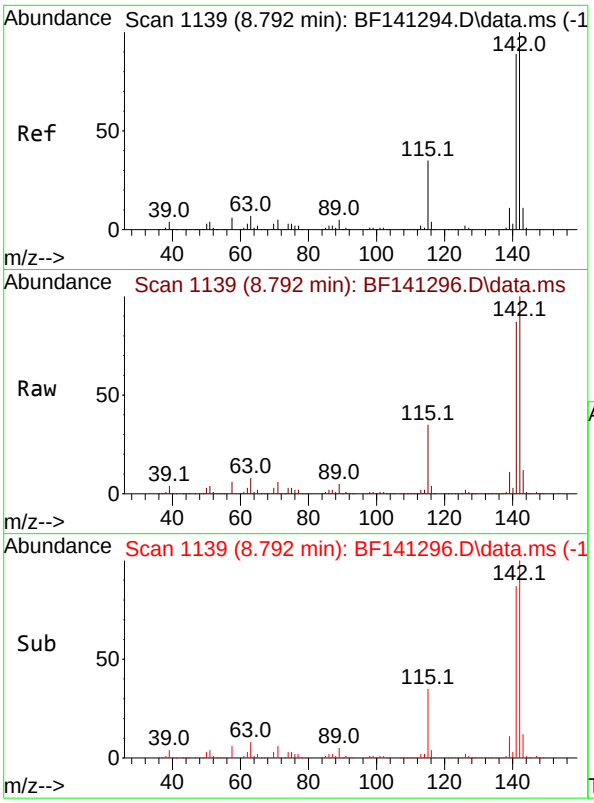


#36
4-Chloro-3-methylphenol
Concen: 58.389 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 452438

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.7	31.1
142	77.2	63.8	95.8





#37
2-Methylnaphthalene
Concen: 55.126 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 94115

Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.3	106.9

Instrument :
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ClientSampleId :
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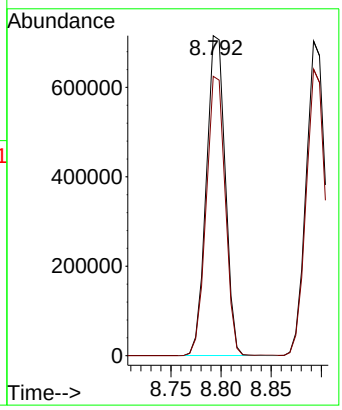
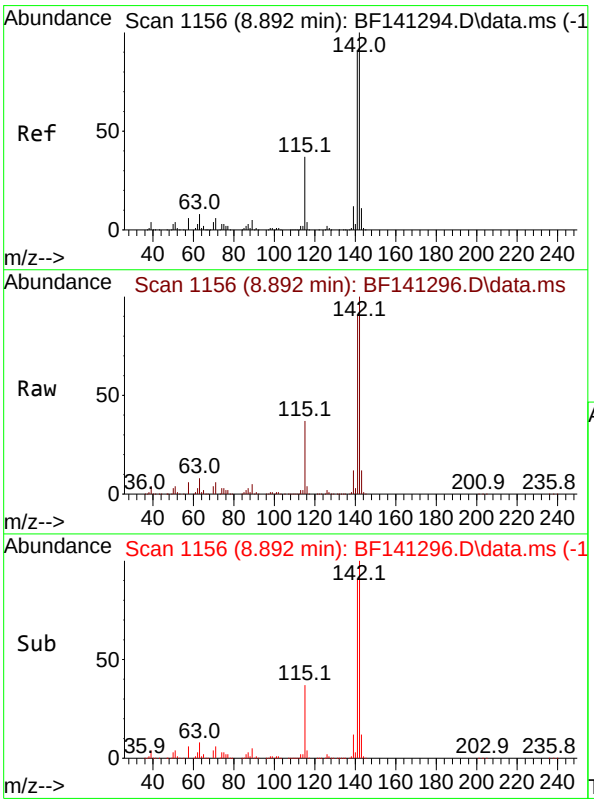
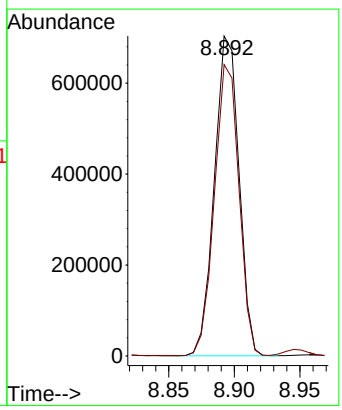


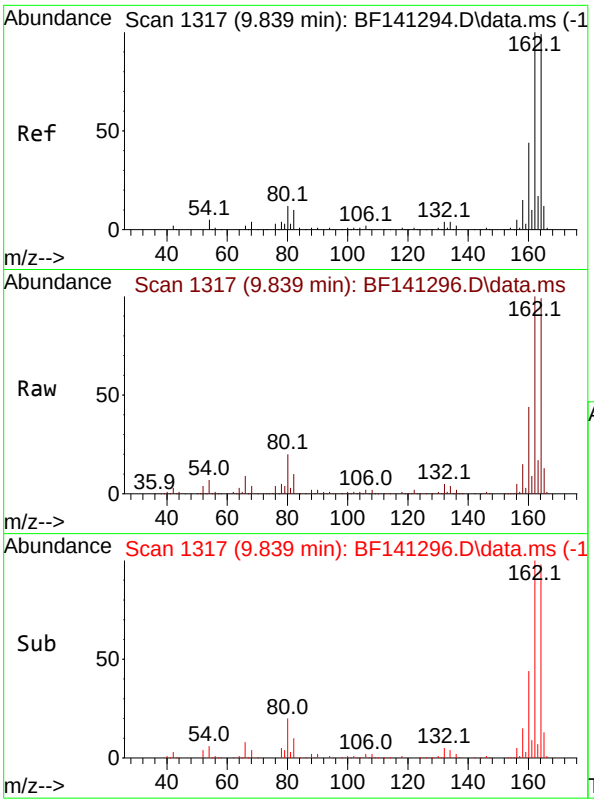


#38
1-Methylnaphthalene
Concen: 54.632 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 917389

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.2	109.8

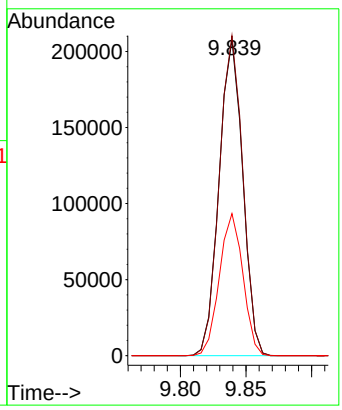




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:164 Resp: 26026

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	121.0
160	45.0	35.8	53.6



Instrument :
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ClientSampleId :
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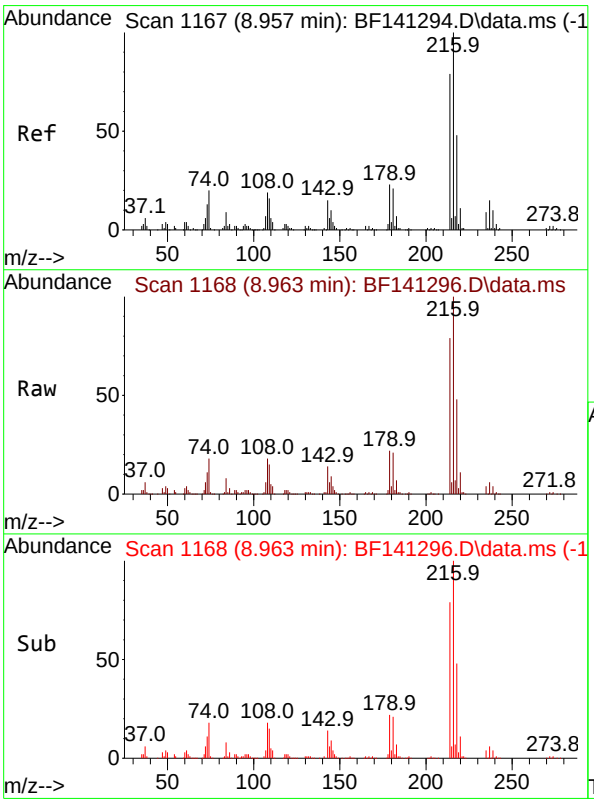
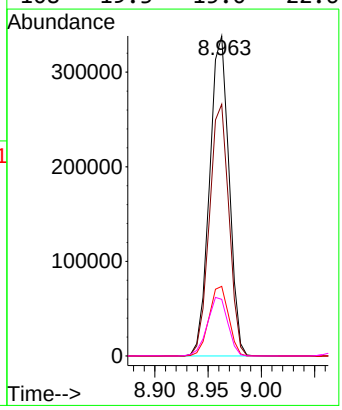
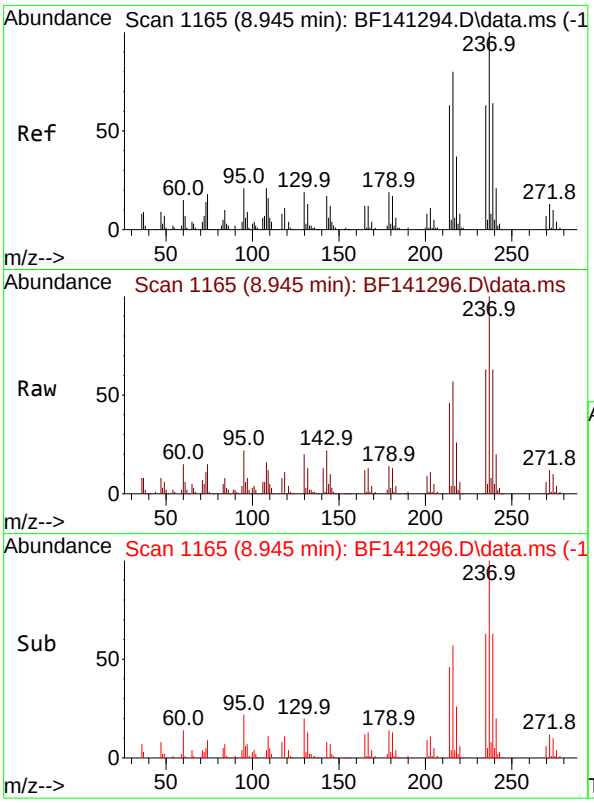


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.609 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:216 Resp: 430239

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.2	94.8
179	22.0	17.8	26.8
108	19.3	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 66.154 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:237 Resp: 14138

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.9	82.9
272	12.5	0.0	32.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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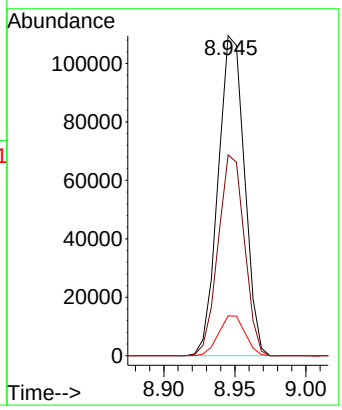
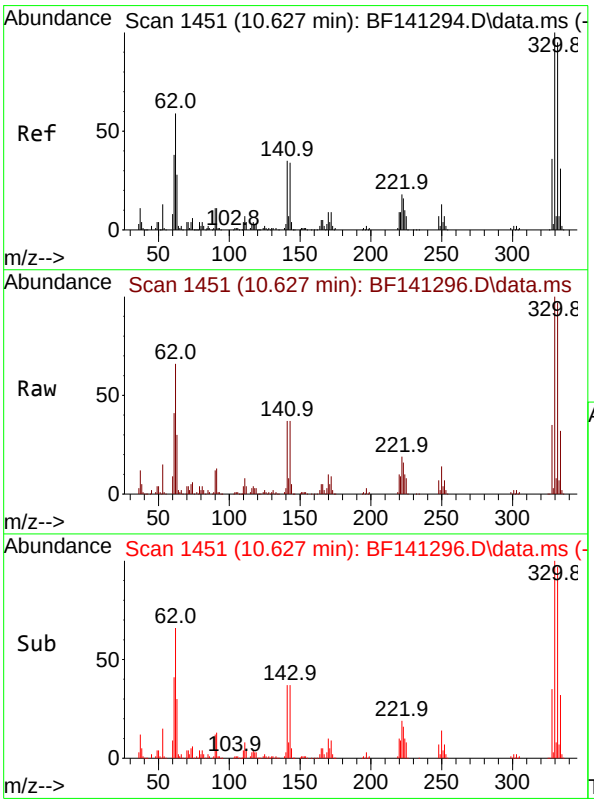
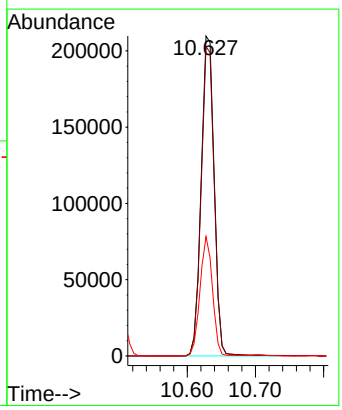


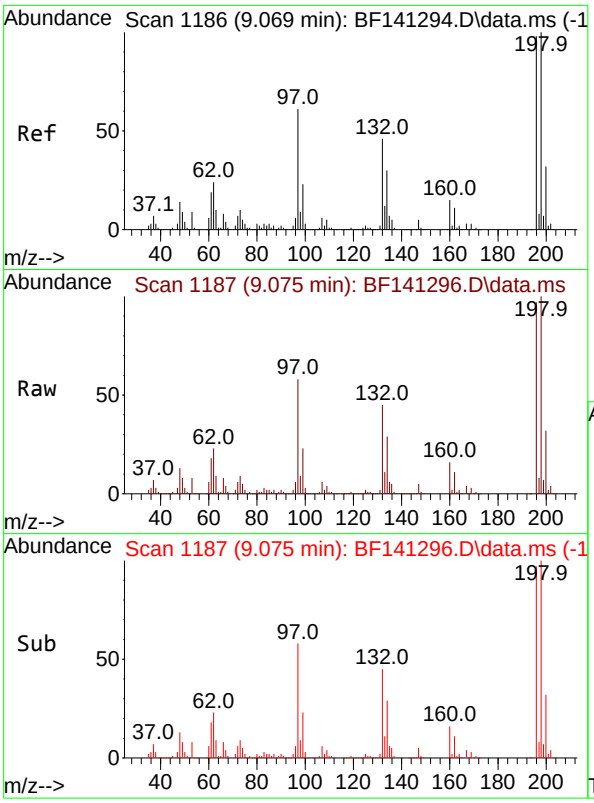


#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:330 Resp: 279105

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.1	114.1
141	35.8	28.8	43.2

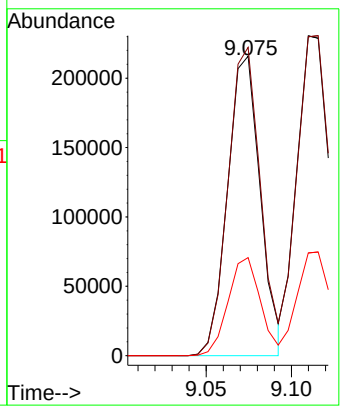




#43
2,4,6-Trichlorophenol
Concen: 58.588 ng
RT: 9.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:196 Resp: 28829

Ion	Ratio	Lower	Upper
196	100		
198	102.9	81.8	122.6
200	32.7	26.3	39.5



Instrument :
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ClientSampleId :
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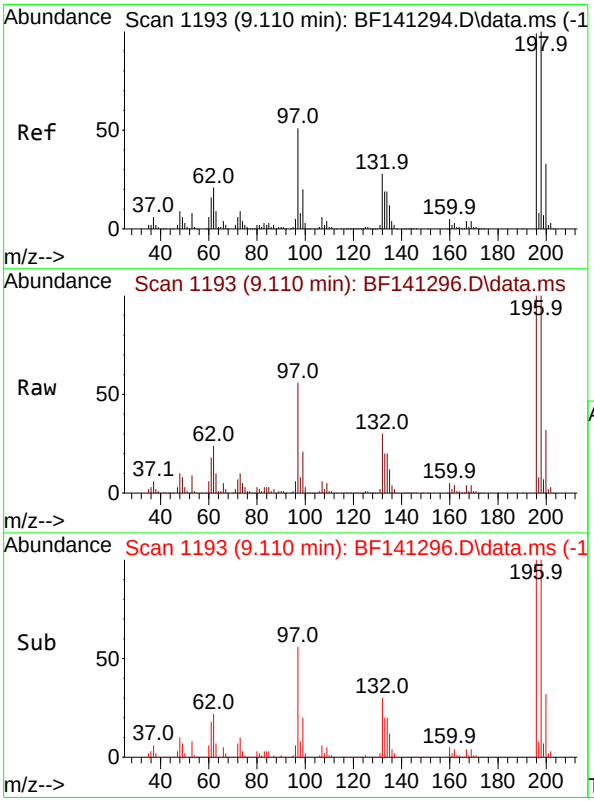
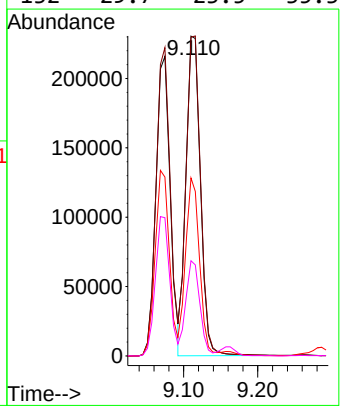
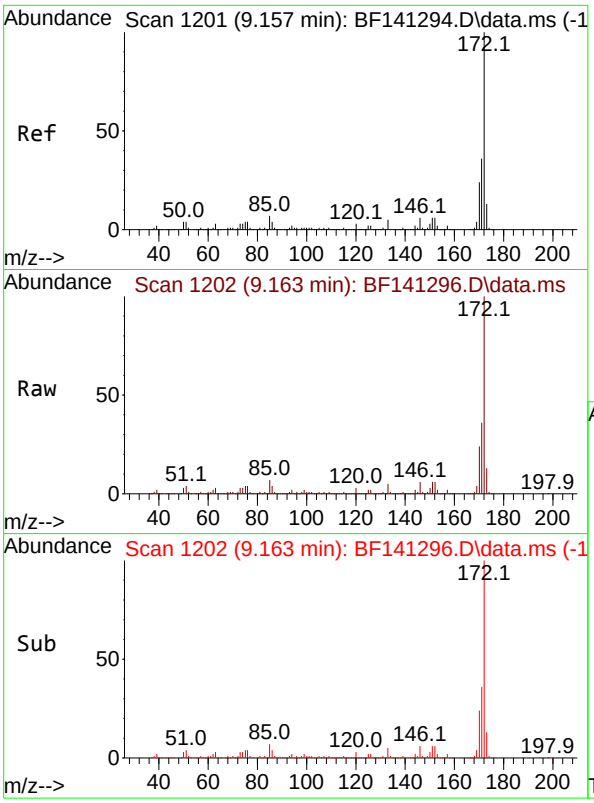


#44
2,4,5-Trichlorophenol
Concen: 59.000 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:196 Resp: 314912

Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.5	120.7
97	55.7	42.8	64.2
132	29.7	23.5	35.3

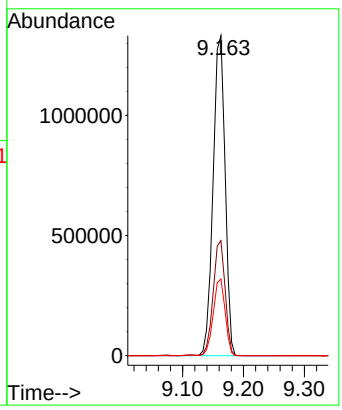




#45
2-Fluorobiphenyl
Concen: 102.411 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:172 Resp: 182437

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	24.0	19.0	28.6



Instrument :
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ClientSampleId :
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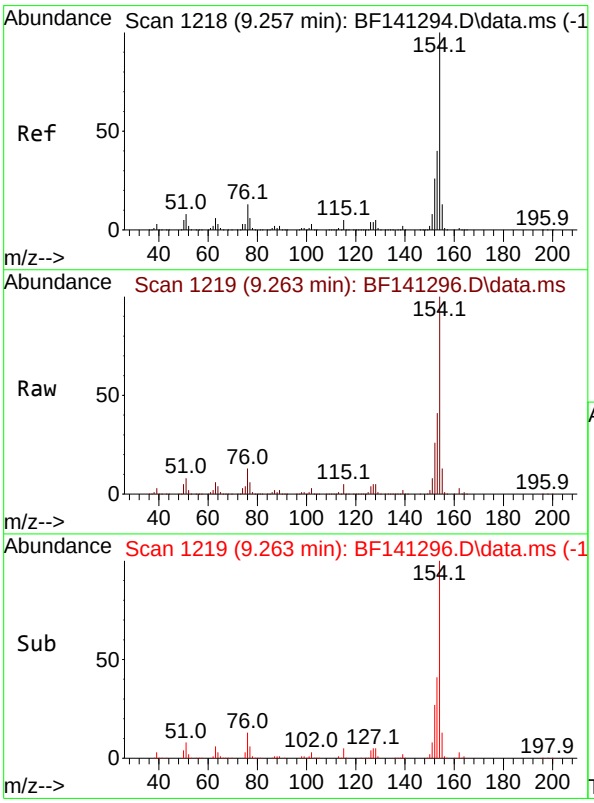
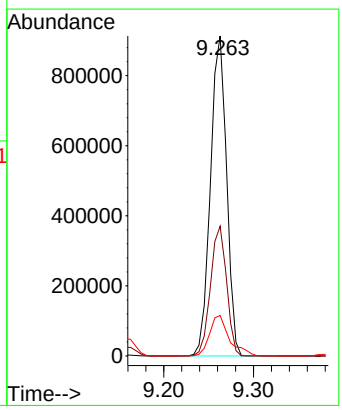
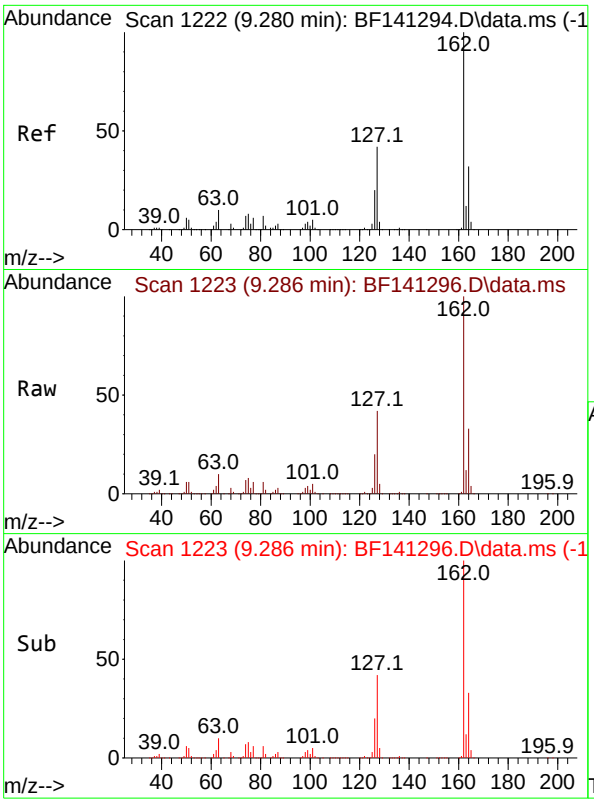


#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 1139946

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	12.7	0.0	32.8

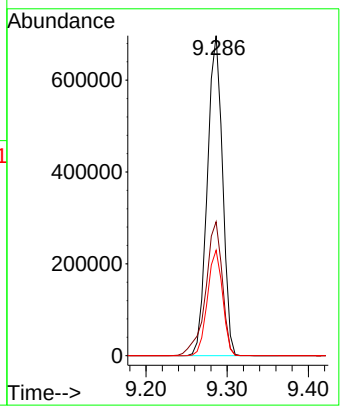




#47
2-Chloronaphthalene
Concen: 55.247 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:162 Resp: 90256

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.7	50.5
164	33.0	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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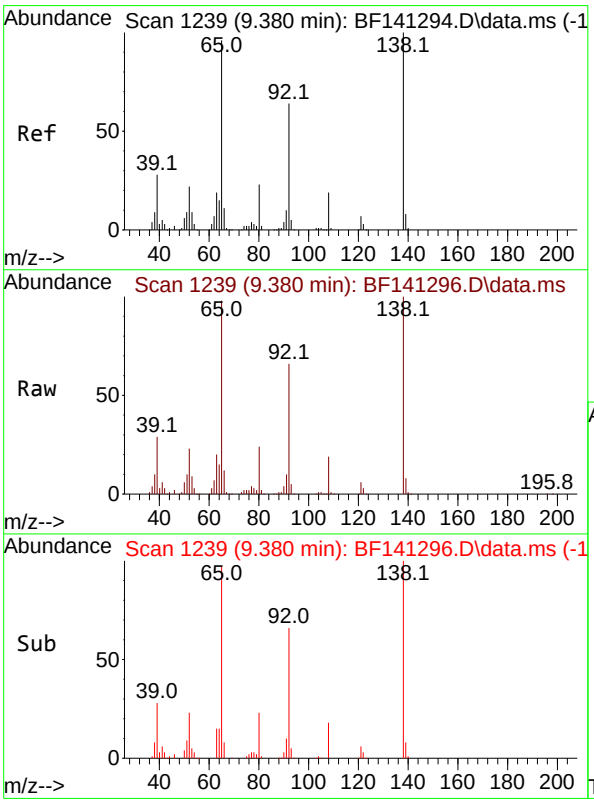
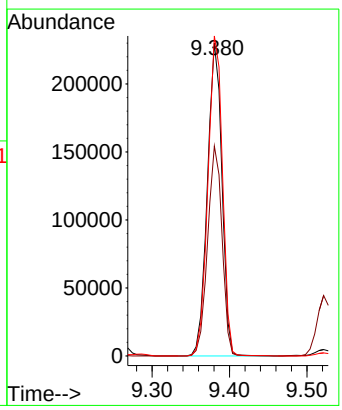
Supervised By :mohammad ahmed 02/04/2025

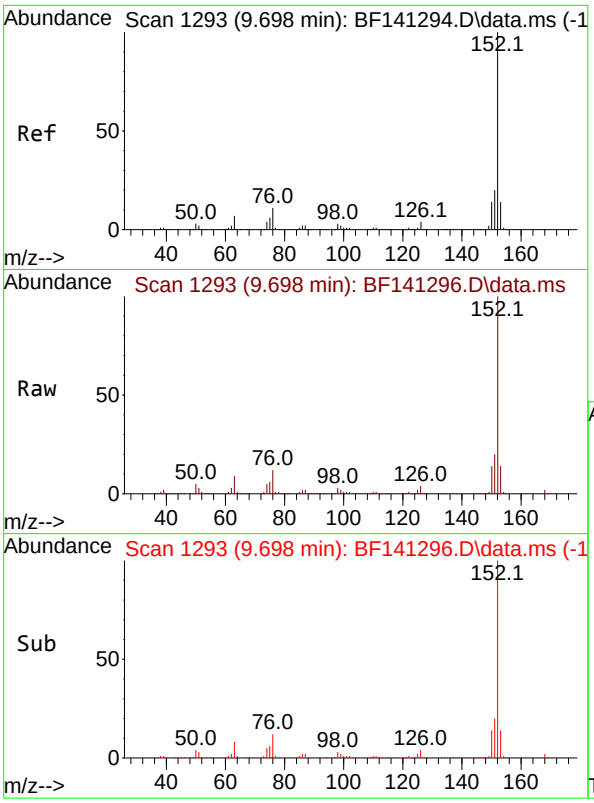


#48
2-Nitroaniline
Concen: 59.861 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 65 Resp: 300339

Ion	Ratio	Lower	Upper
65	100		
92	67.1	53.3	79.9
138	102.3	83.6	125.4





#49
Acenaphthylene
Concen: 54.924 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 125873

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.1	11.0	16.6

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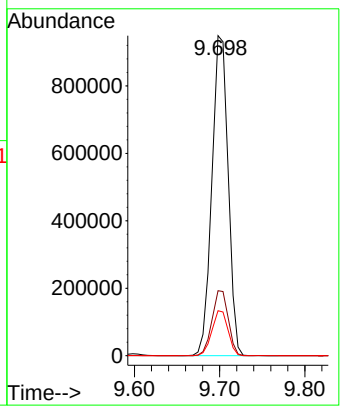
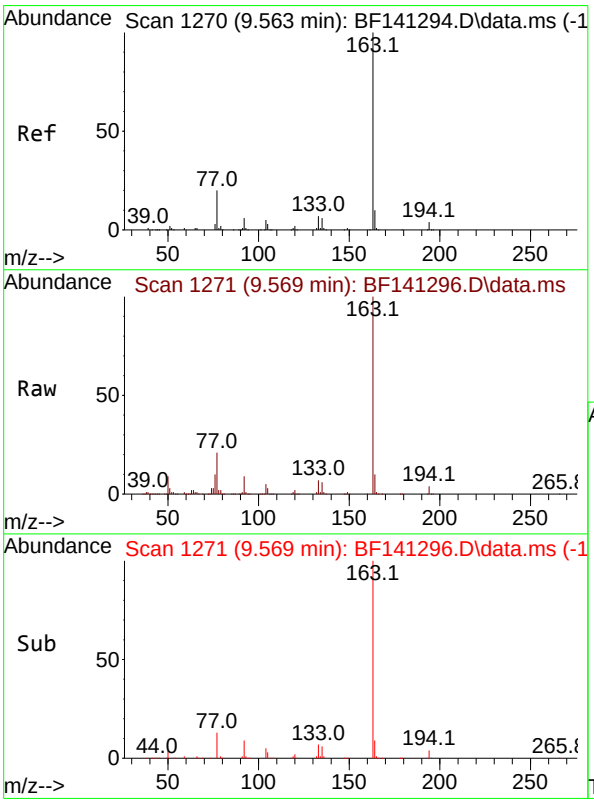
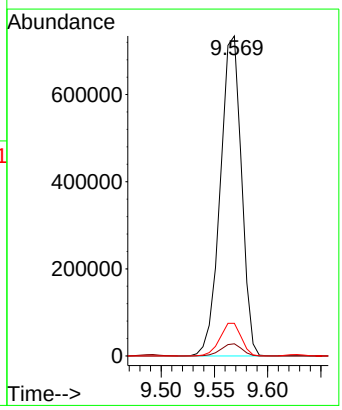


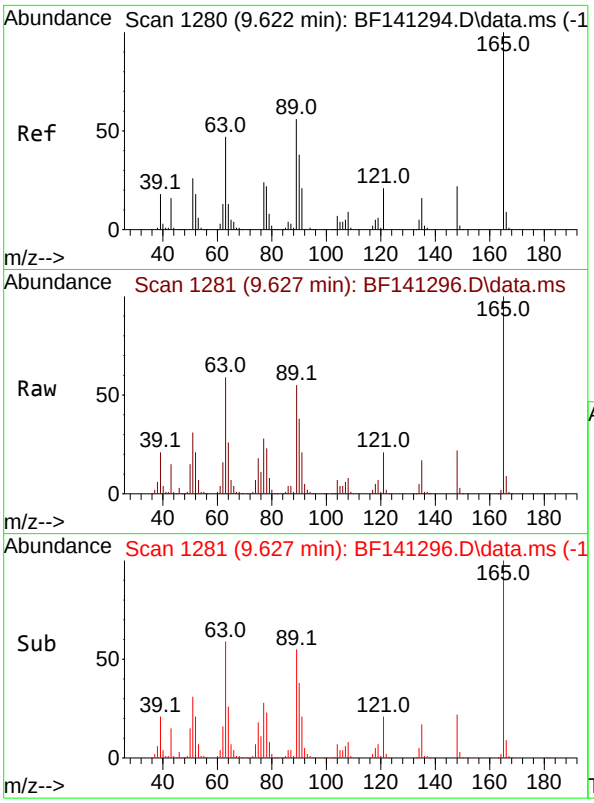


#50
Dimethylphthalate
Concen: 56.075 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:163 Resp: 1012298

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:165 Resp: 24124

Ion	Ratio	Lower	Upper
165	100		
63	58.5	48.1	72.1
89	54.8	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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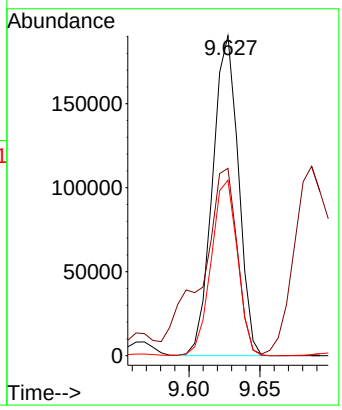
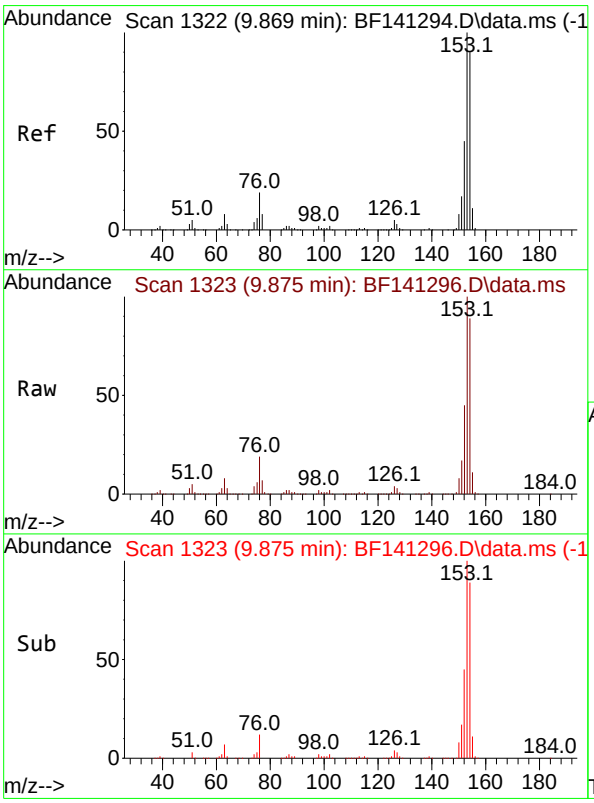
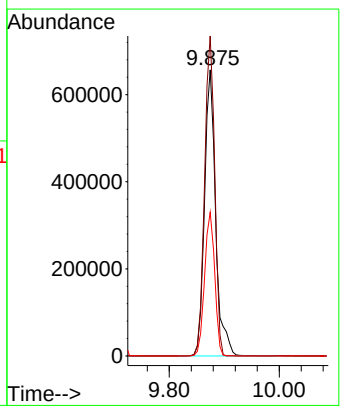


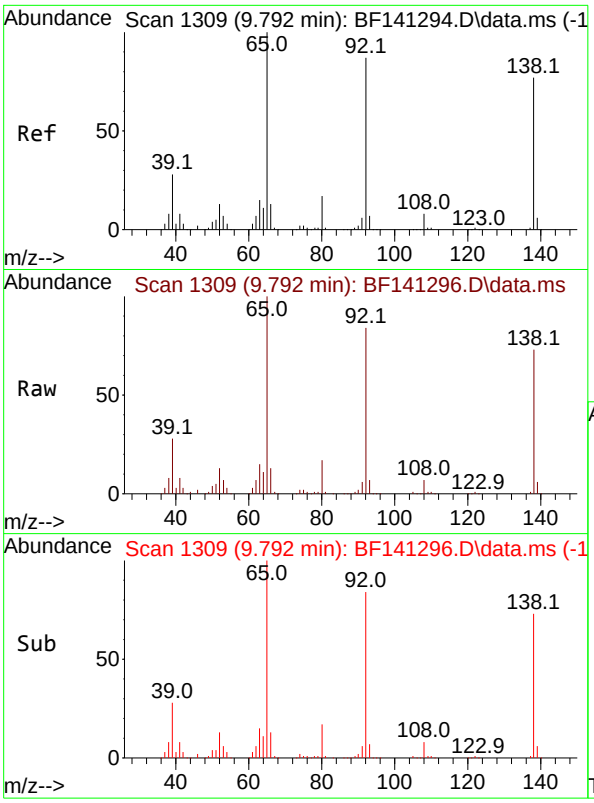


#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 921519

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	50.2	40.2	60.4





#53
3-Nitroaniline
Concen: 56.245 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:138 Resp: 23268

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.6	12.8
92	115.2	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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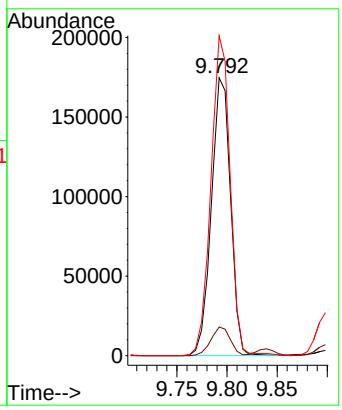
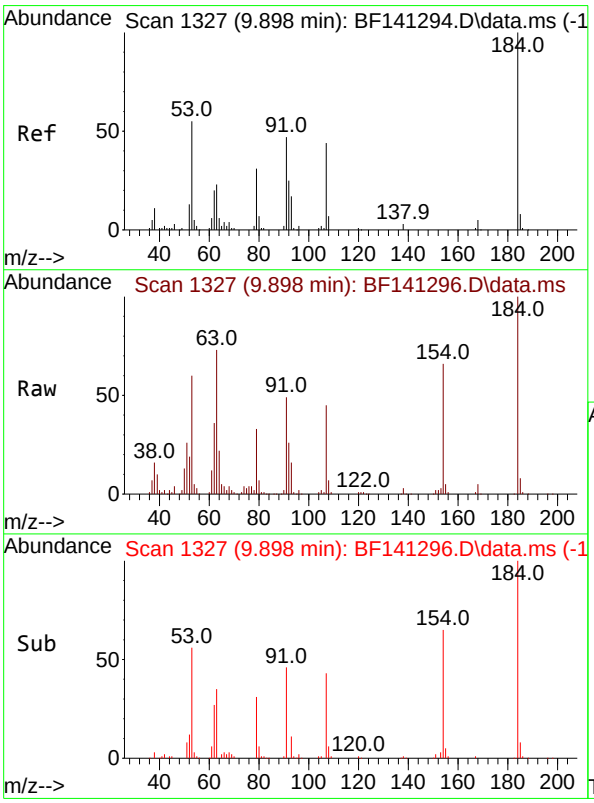
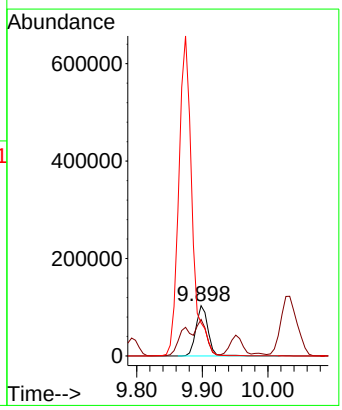


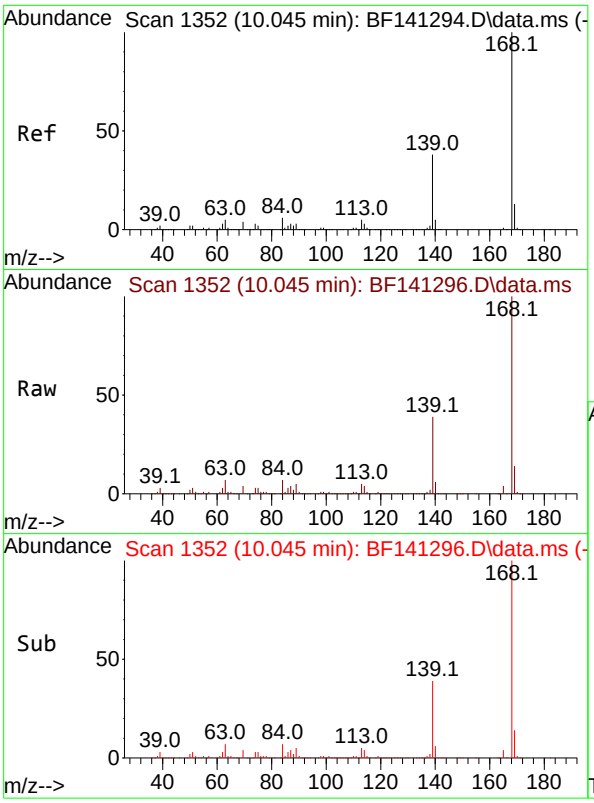


#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 132244

Ion	Ratio	Lower	Upper
184	100		
63	72.8	54.1	81.1
154	65.5	50.7	76.1

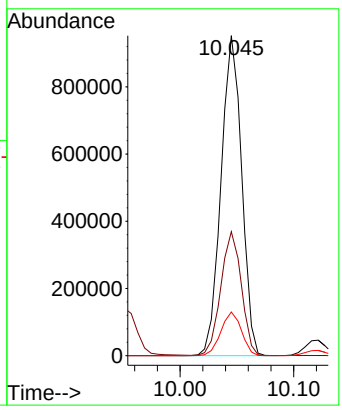




#55
Dibenzofuran
Concen: 54.629 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:168 Resp: 120202

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.6	46.0
169	13.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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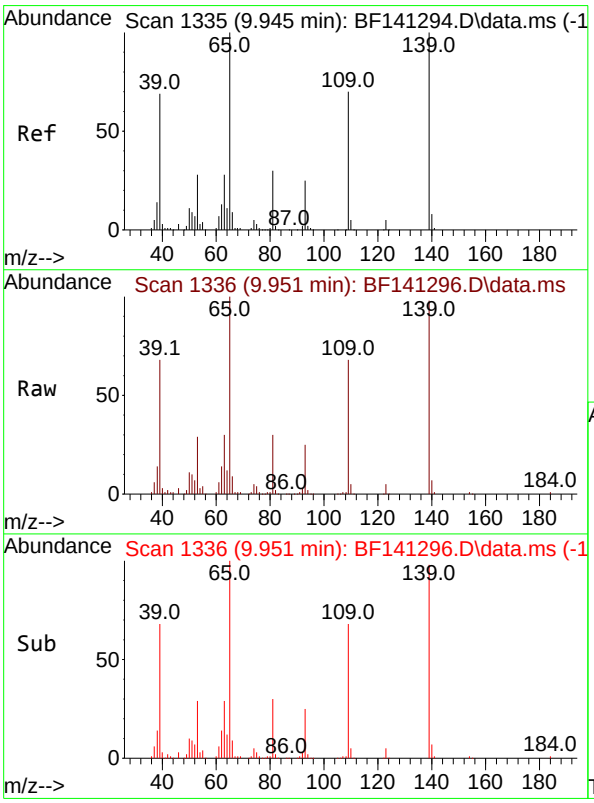
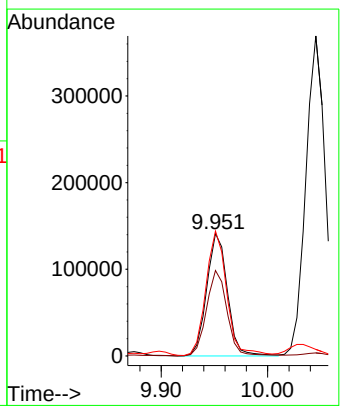
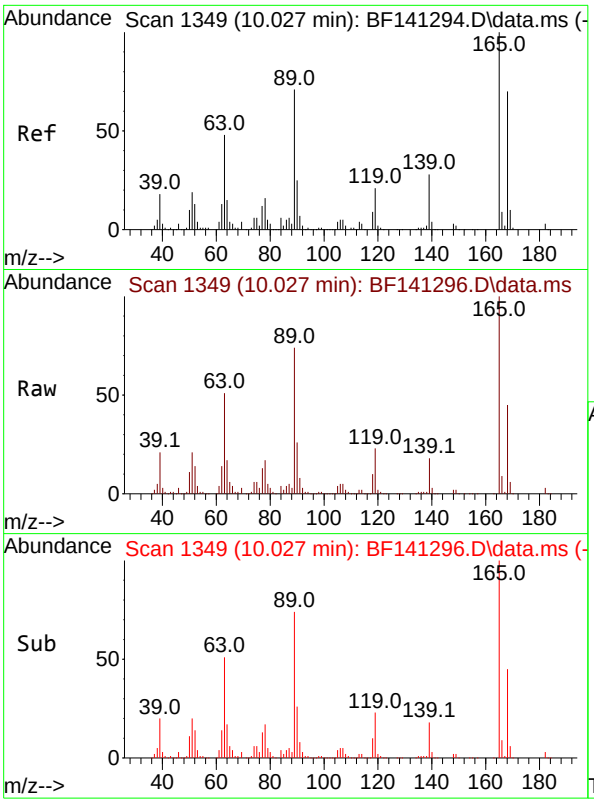


#56
4-Nitrophenol
Concen: 66.120 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 190620

Ion	Ratio	Lower	Upper
139	100		
109	69.8	50.2	90.2
65	102.1	80.6	120.6

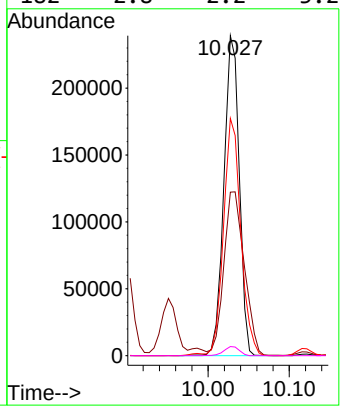




#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:165 Resp: 31522

Ion	Ratio	Lower	Upper
165	100		
63	51.1	39.2	58.8
89	74.2	56.9	85.3
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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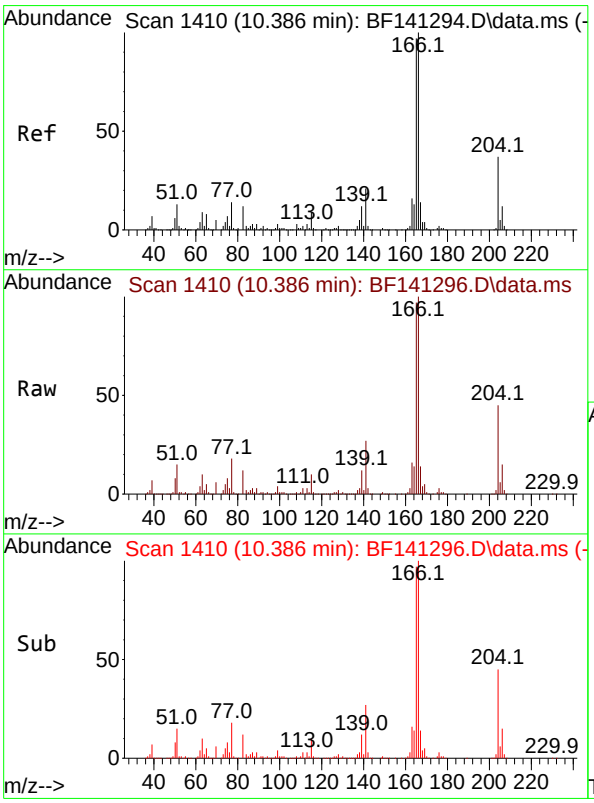
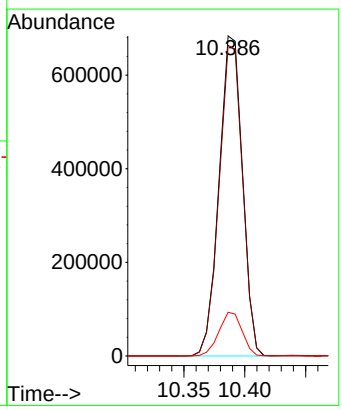
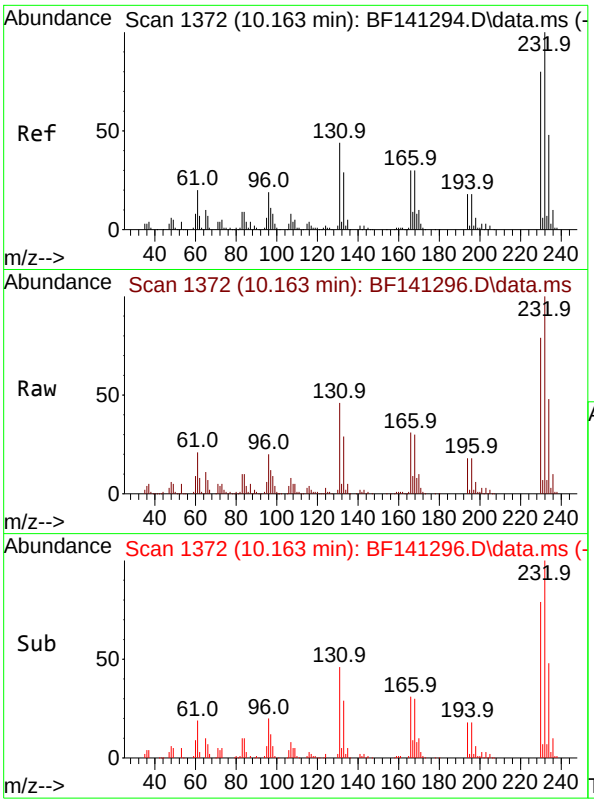


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:166 Resp: 915246

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.5	116.3
167	13.6	10.9	16.3

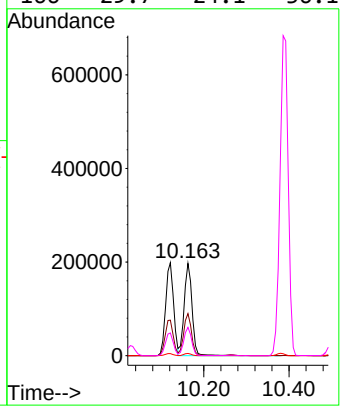




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:232 Resp: 25296

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.4	54.6
130	2.3	1.9	2.9
166	29.7	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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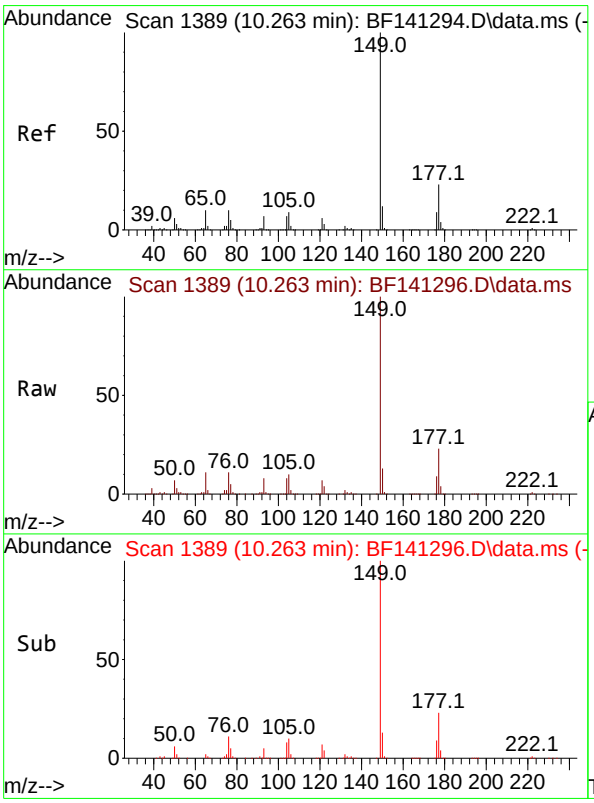
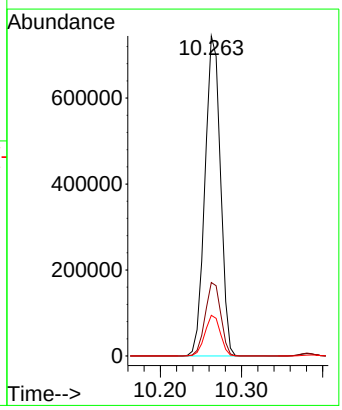
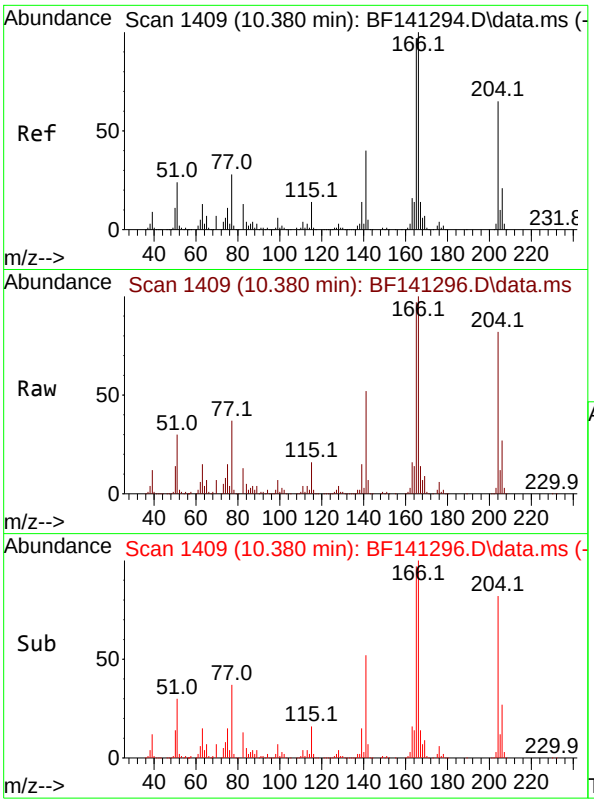


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 983788

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.136 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:204 Resp: 44584

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.9	38.9
141	63.2	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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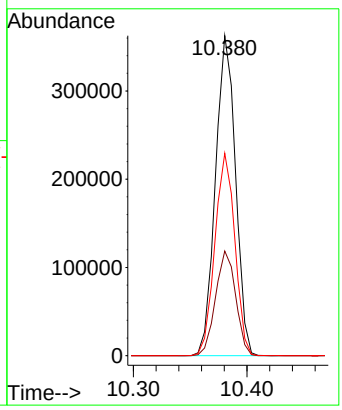
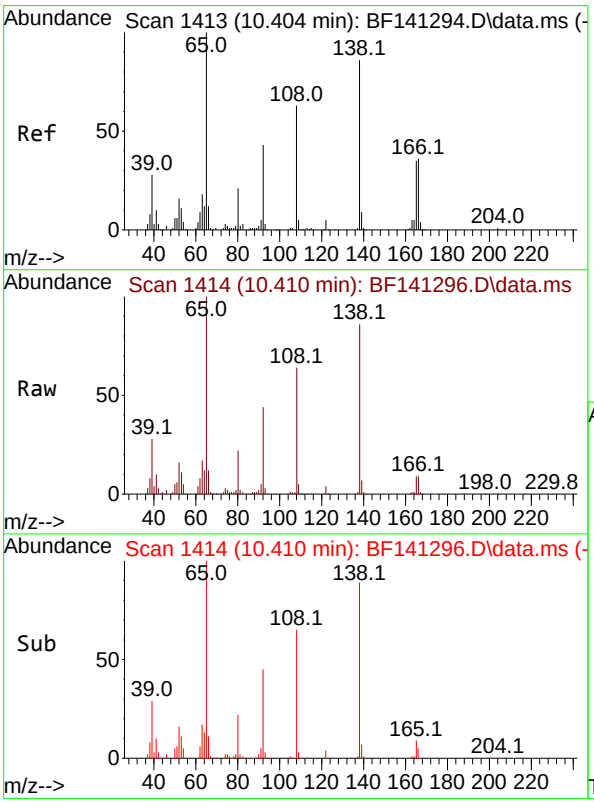
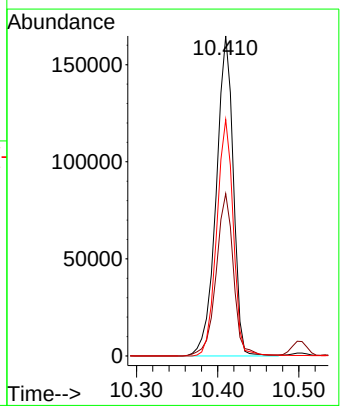


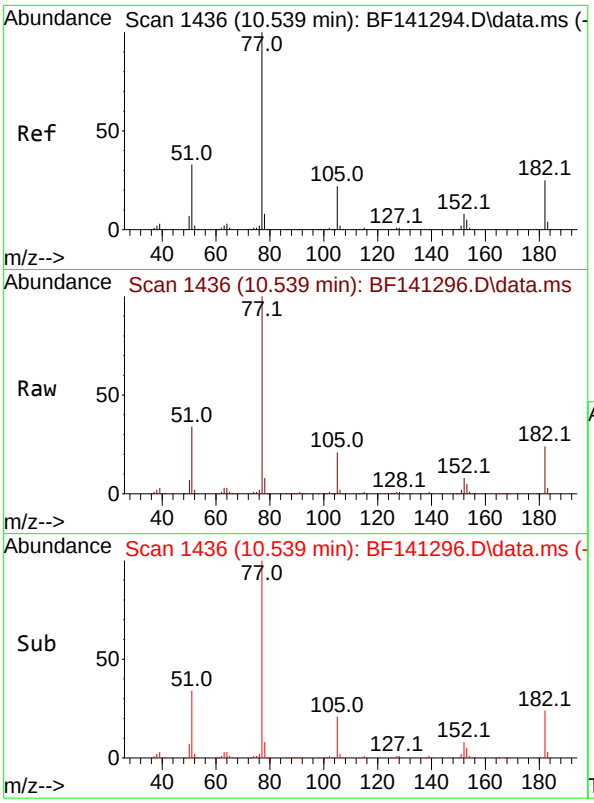


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:138 Resp: 242716

Ion	Ratio	Lower	Upper
138	100		
92	50.7	30.1	70.1
108	73.8	53.1	93.1

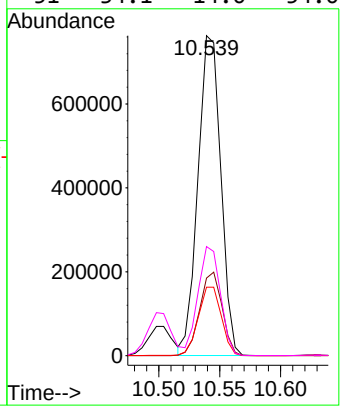




#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 99660

Ion	Ratio	Lower	Upper
77	100		
182	24.3	5.1	45.1
105	21.4	1.8	41.8
51	34.1	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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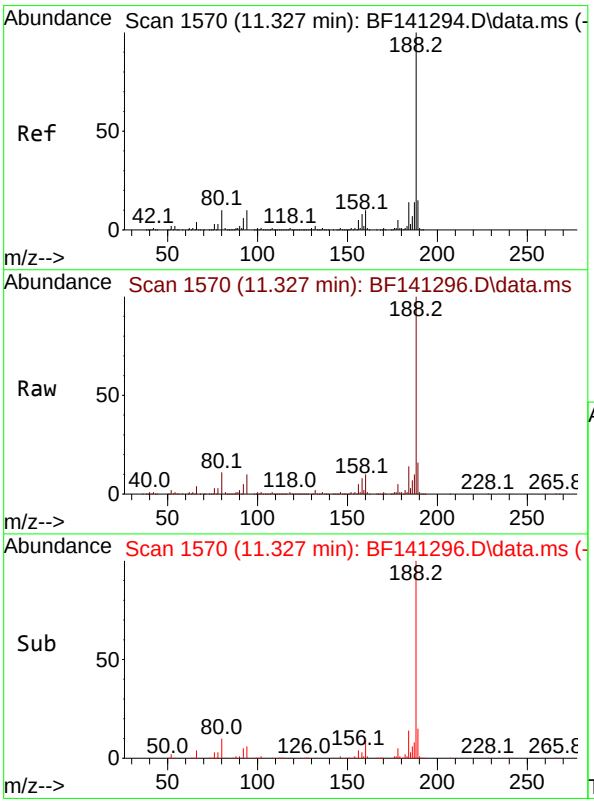
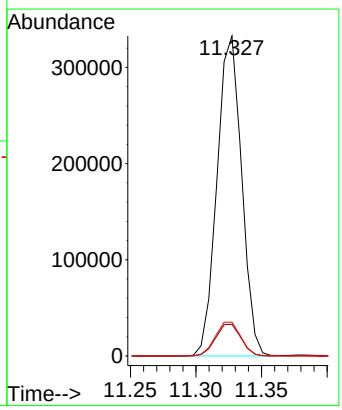
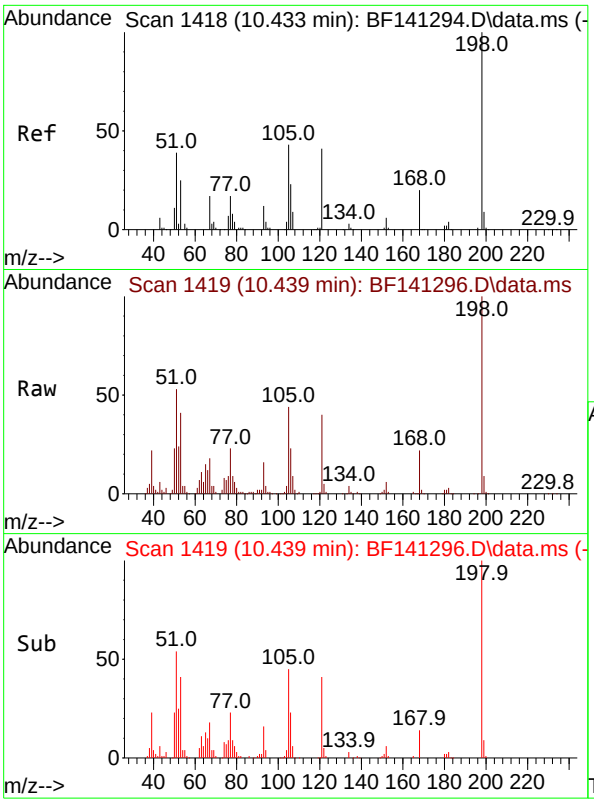


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:188 Resp: 434671

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.6	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 71.103 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:198 Resp: 17424

Ion	Ratio	Lower	Upper
198	100		
51	52.8	33.4	73.4
105	43.7	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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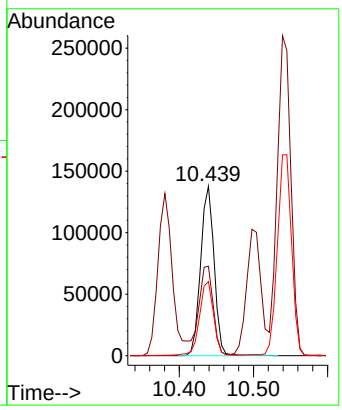
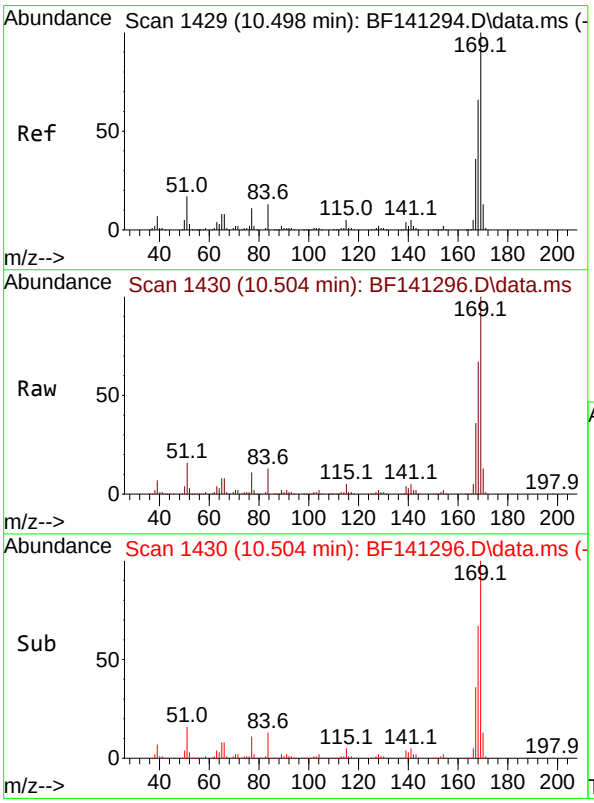
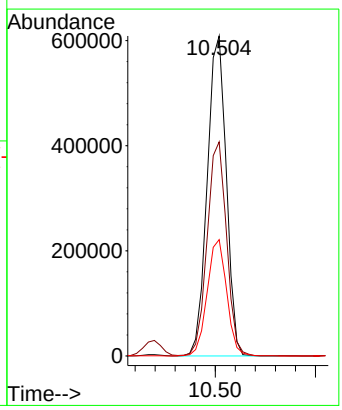


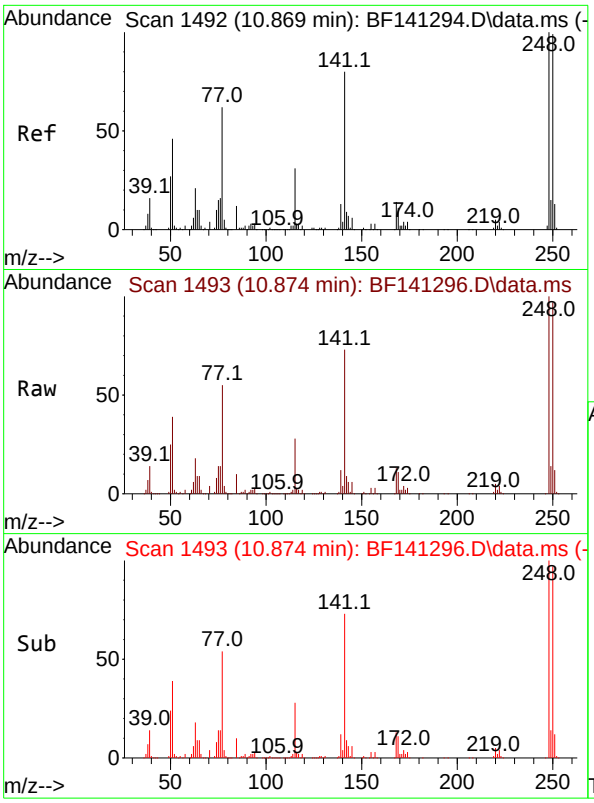


#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:169 Resp: 800147

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 57.957 ng
RT: 10.874 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:248 Resp: 28664

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	73.2	63.7	95.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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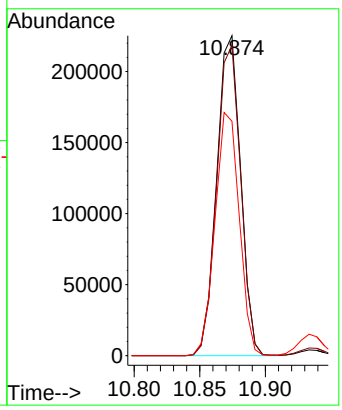
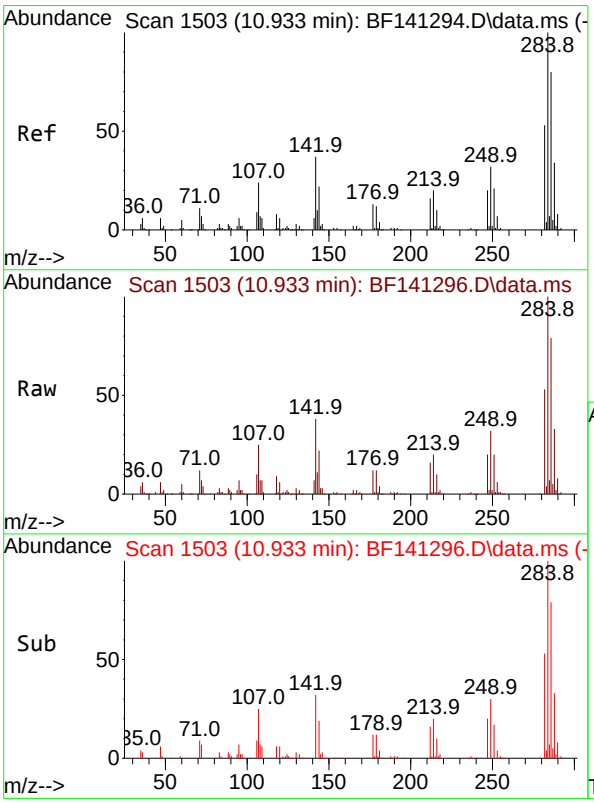
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

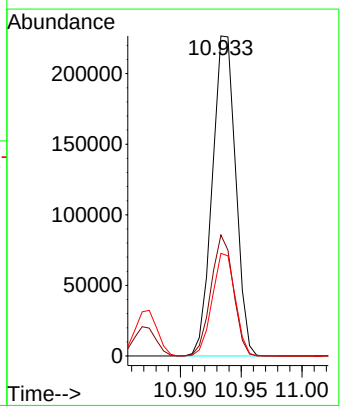


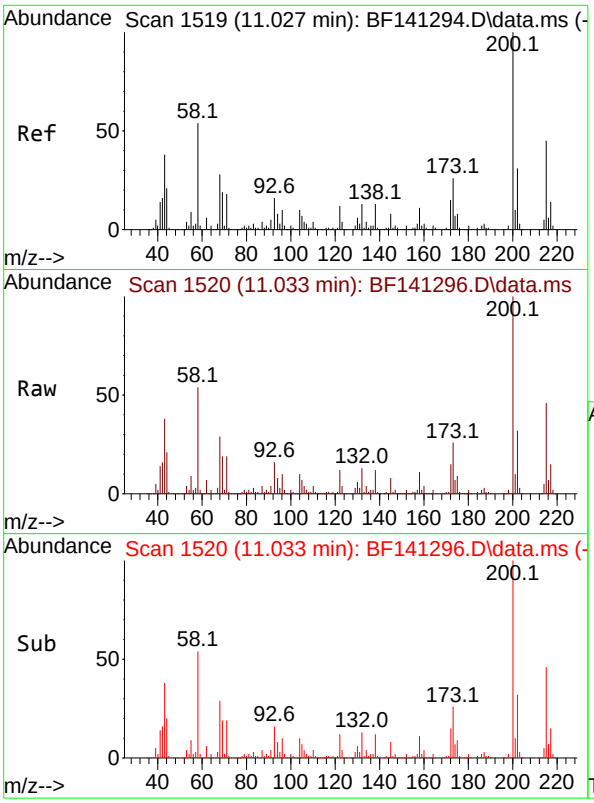


#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:284 Resp: 302508

Ion	Ratio	Lower	Upper
284	100		
142	37.8	29.5	44.3
249	32.0	25.4	38.2

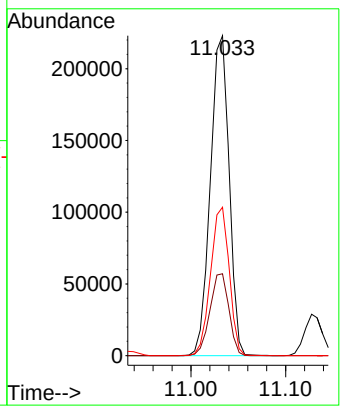




#69
Atrazine
Concen: 66.863 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:200 Resp: 30652

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.9	45.9
215	46.4	25.2	65.2



Instrument :
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ClientSampleId :
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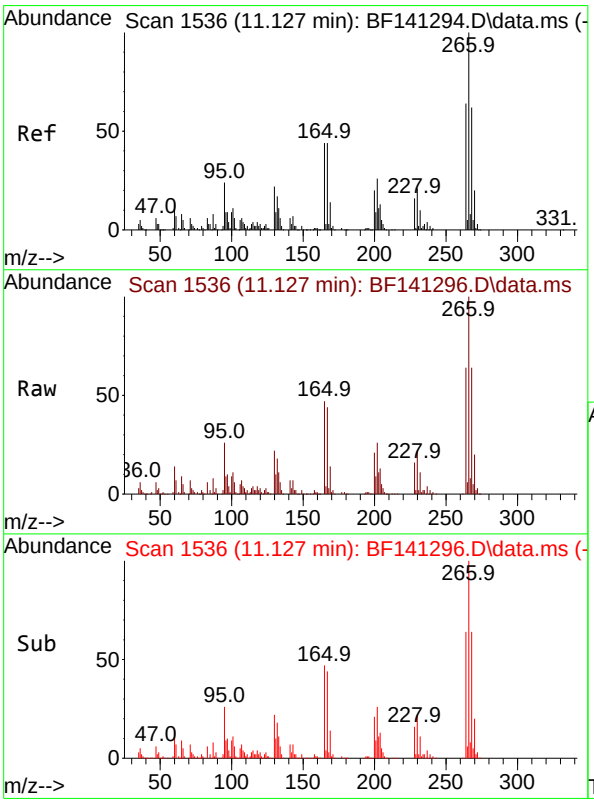
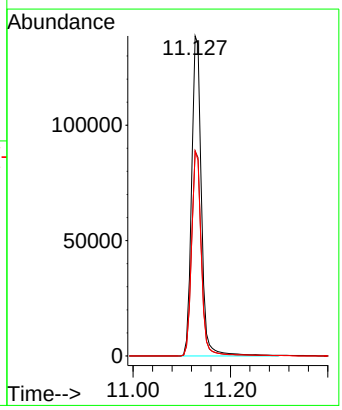
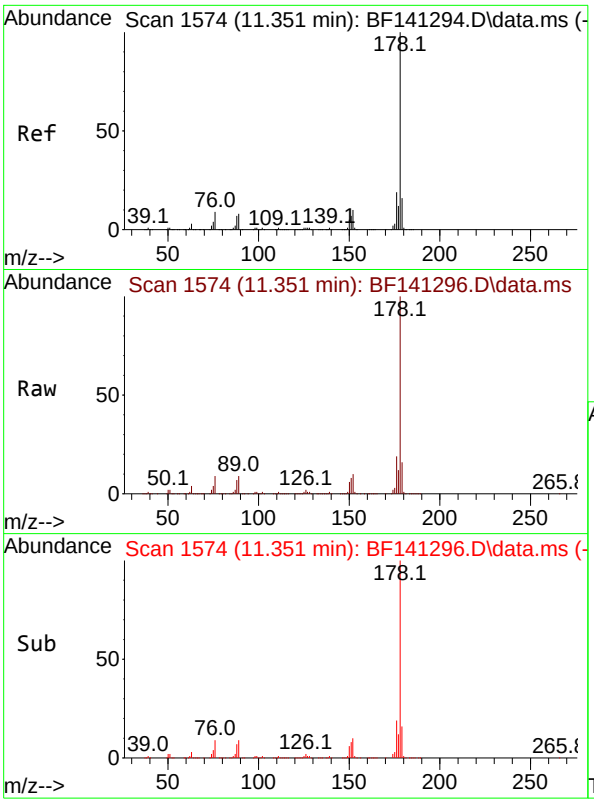


#70
Pentachlorophenol
Concen: 65.443 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:266 Resp: 194335

Ion	Ratio	Lower	Upper
266	100		
268	64.1	49.9	74.9
264	63.9	51.0	76.4

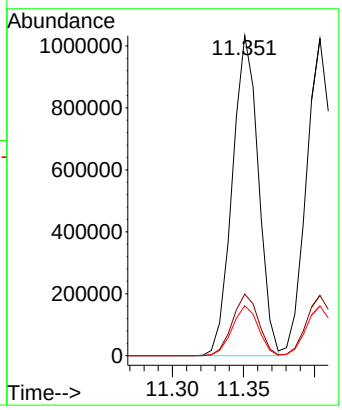




#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 131698

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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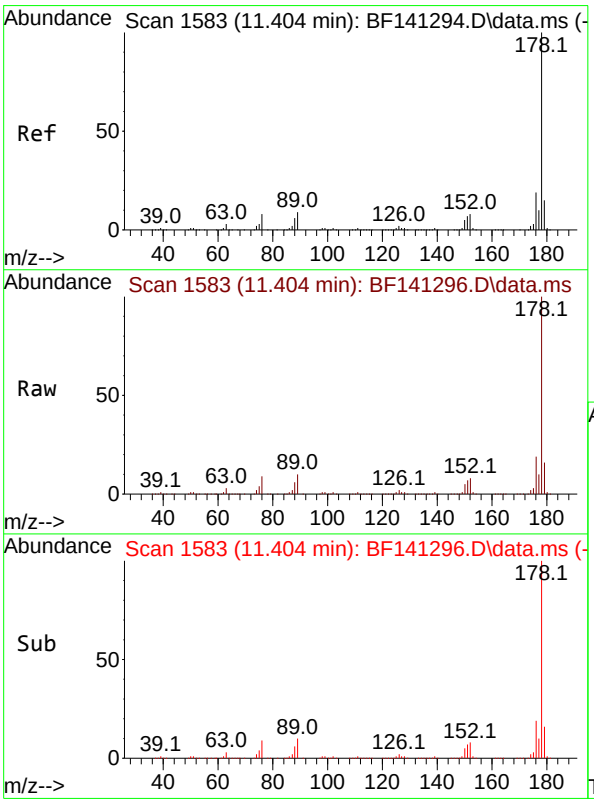
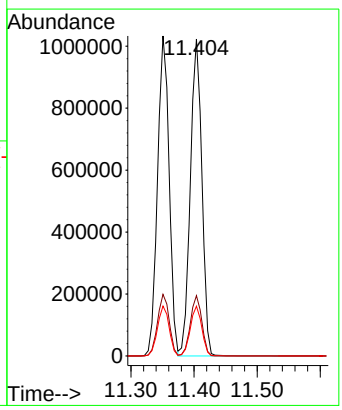
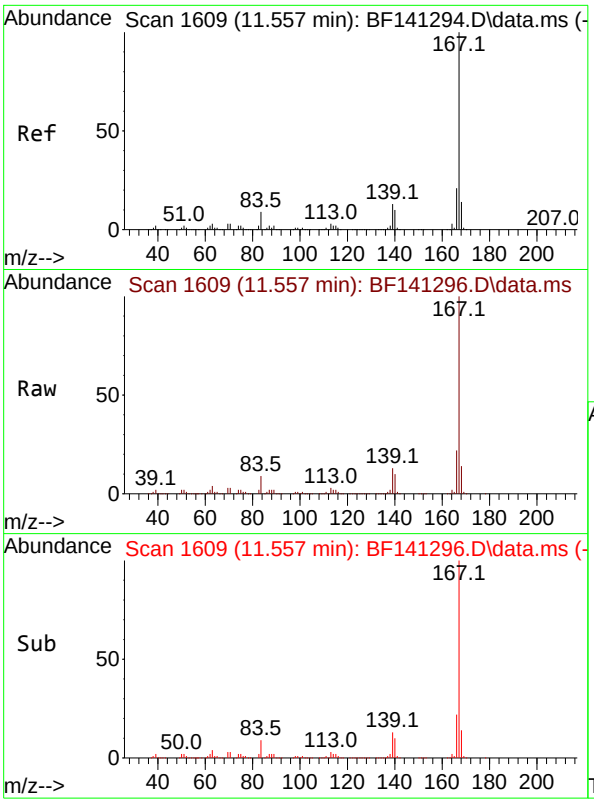


#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 1298334

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.7	12.3	18.5

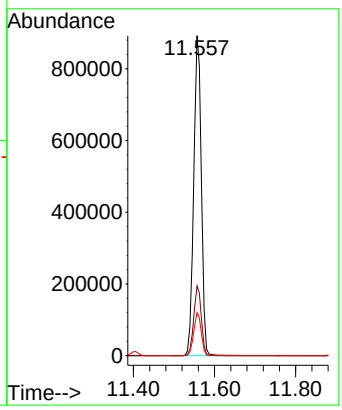




#73
Carbazole
Concen: 55.874 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:167 Resp: 117333

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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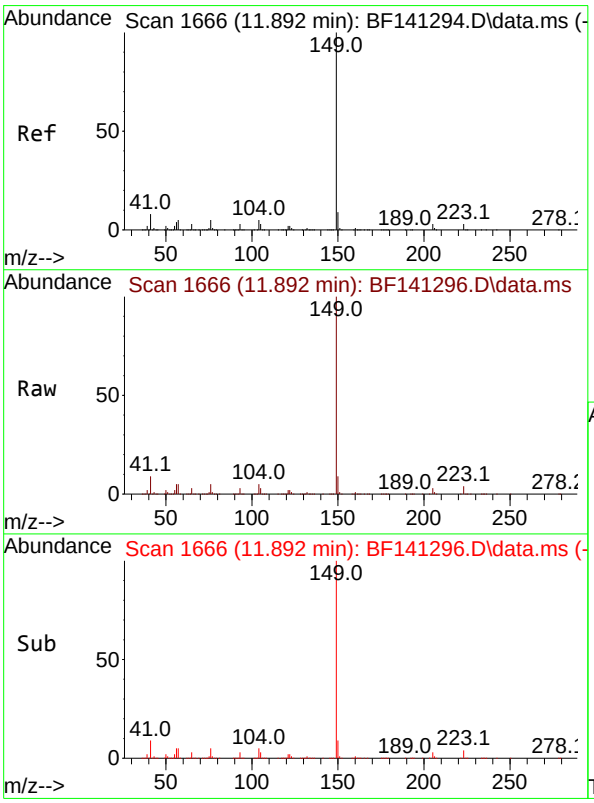
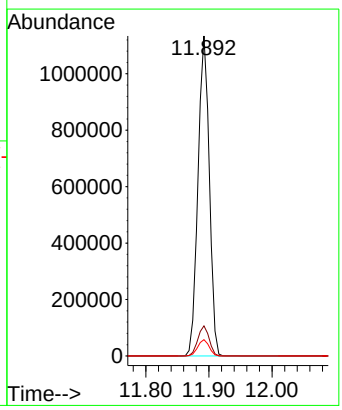
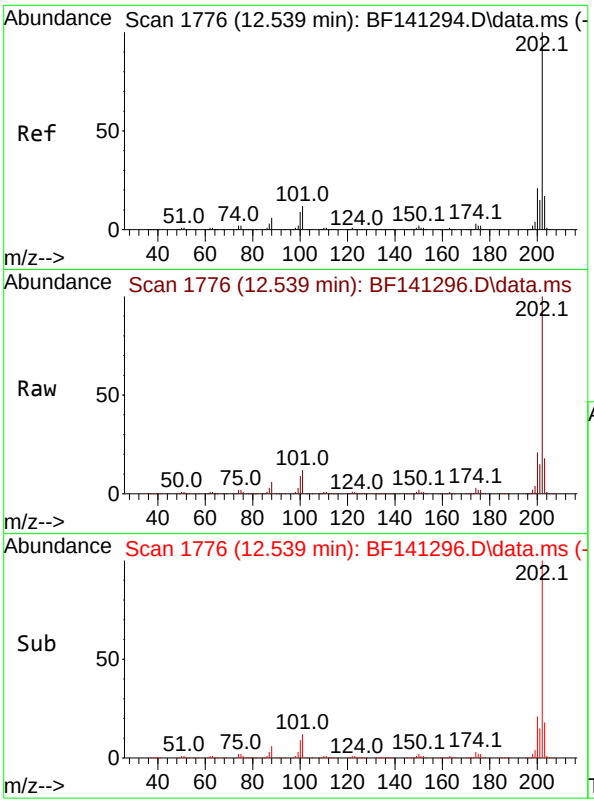


#74
Di-n-butylphthalate
Concen: 55.325 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 1410222

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9

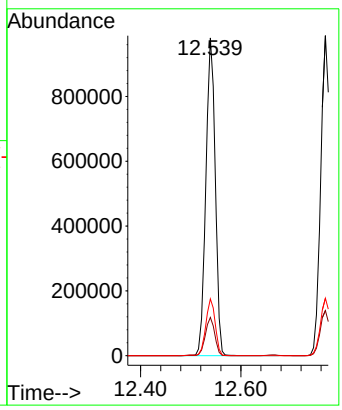




#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:202 Resp: 127999

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.7
203	17.9	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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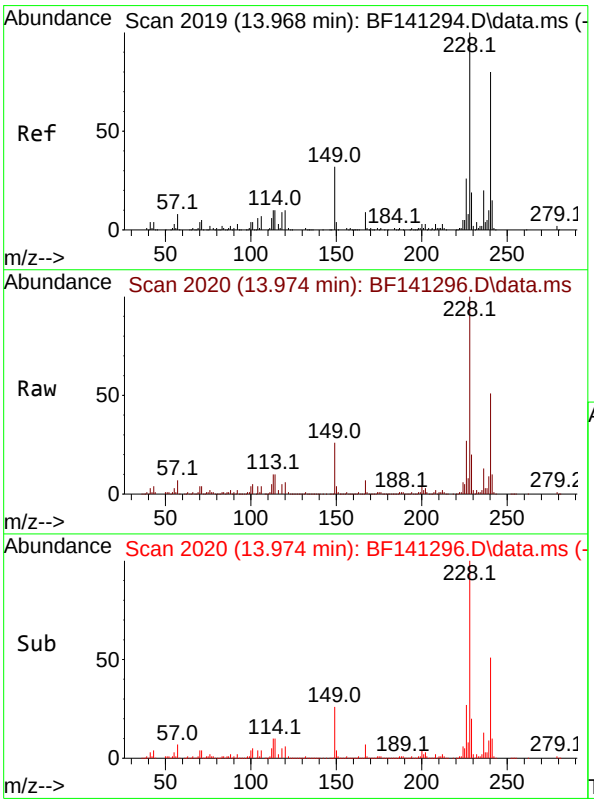
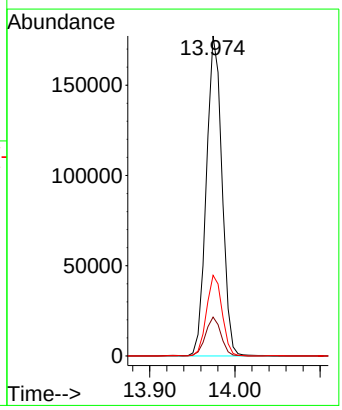
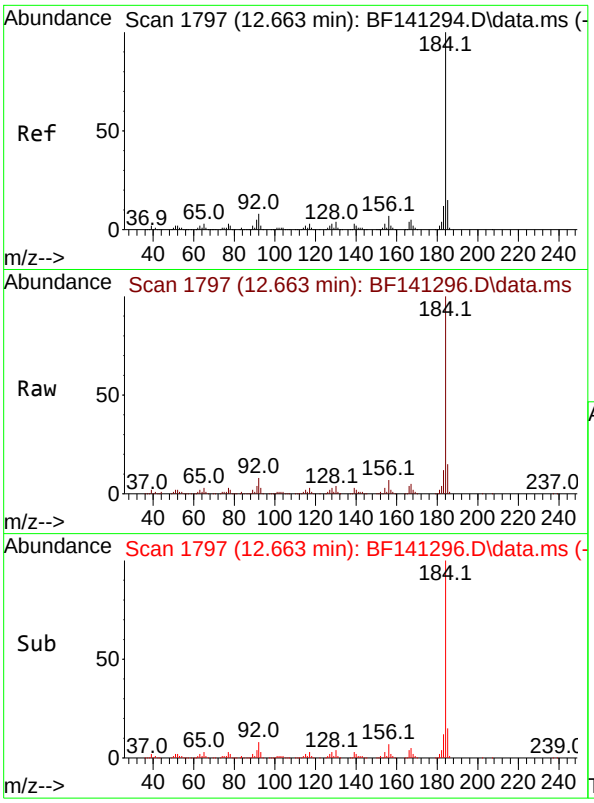


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:240 Resp: 225615

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.0	15.0
236	25.2	19.7	29.5

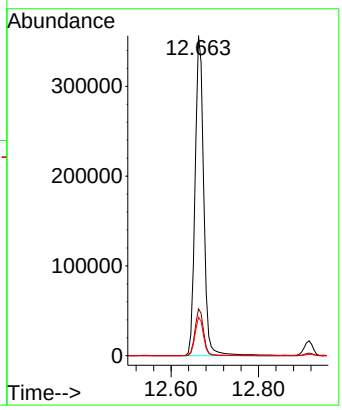




#77
Benzidine
Concen: 67.692 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 490009

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	12.0	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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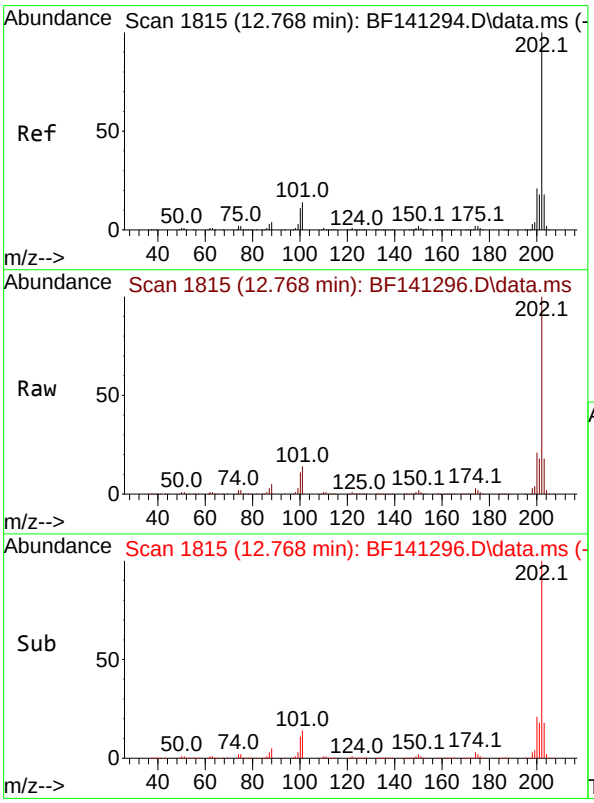
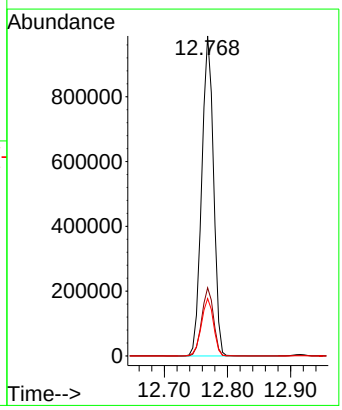
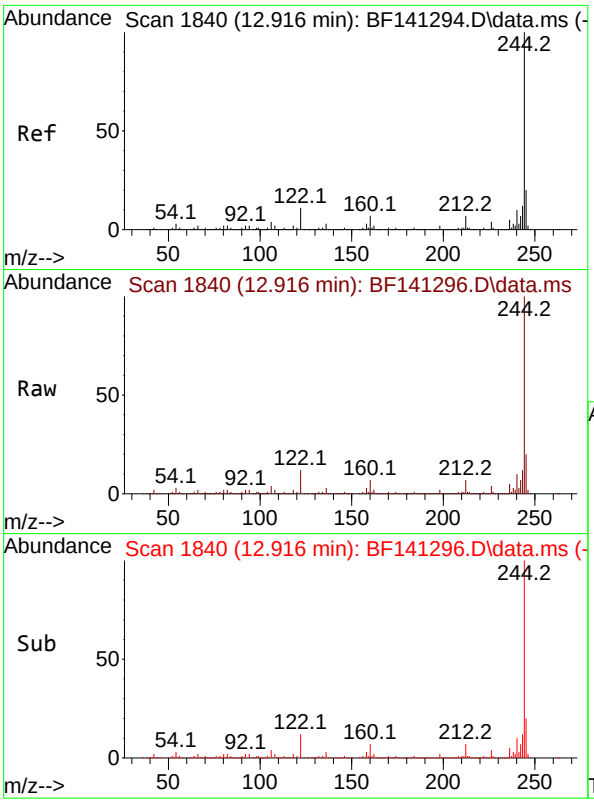


#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:202 Resp: 1284820

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.0	14.3	21.5

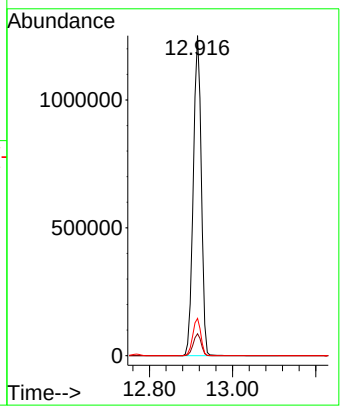




#79
Terphenyl-d14
Concen: 109.453 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:244 Resp: 166559

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.6	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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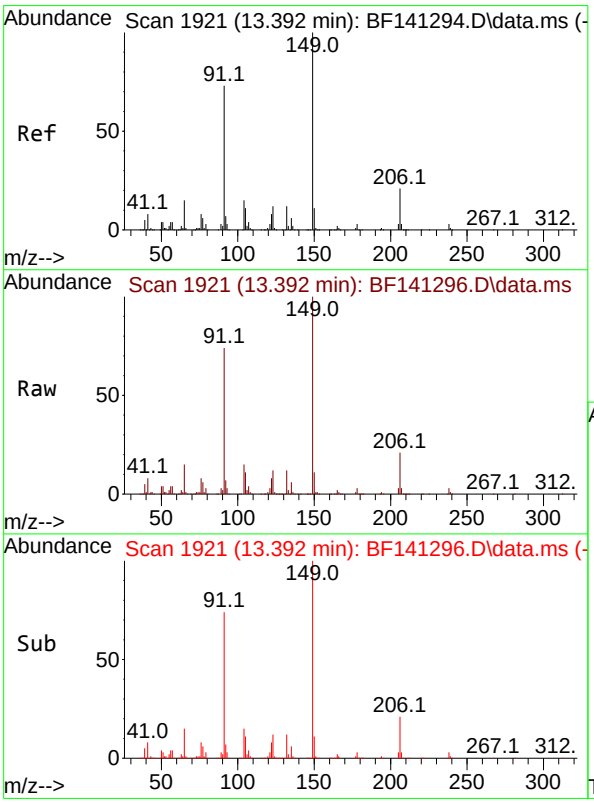
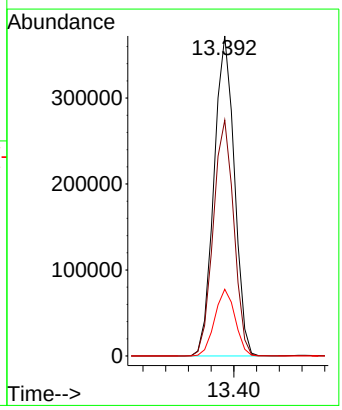
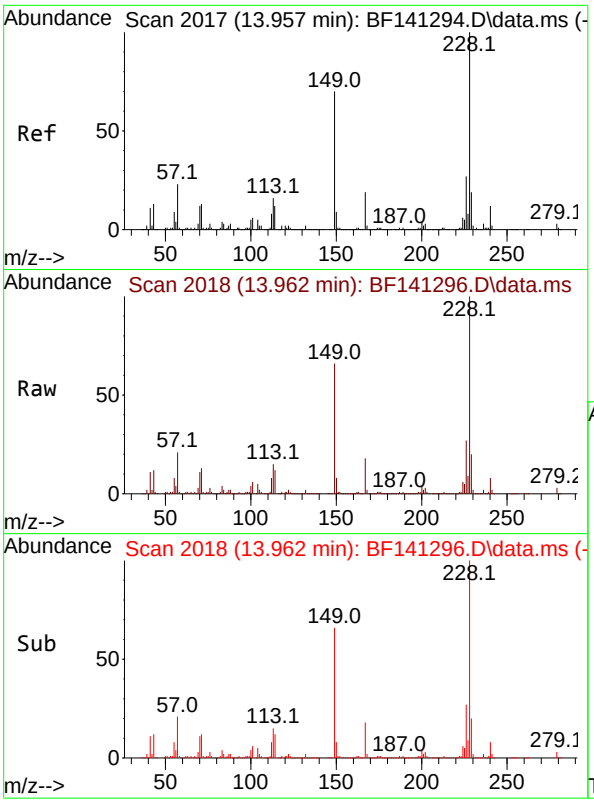


#80
Butylbenzylphthalate
Concen: 60.745 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 465533

Ion	Ratio	Lower	Upper
149	100		
91	73.7	58.6	87.8
206	20.8	16.7	25.1

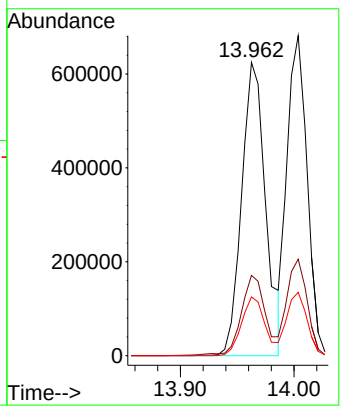




#81
Benzo(a)anthracene
Concen: 57.742 ng
RT: 13.962 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:228 Resp: 91721

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	20.0	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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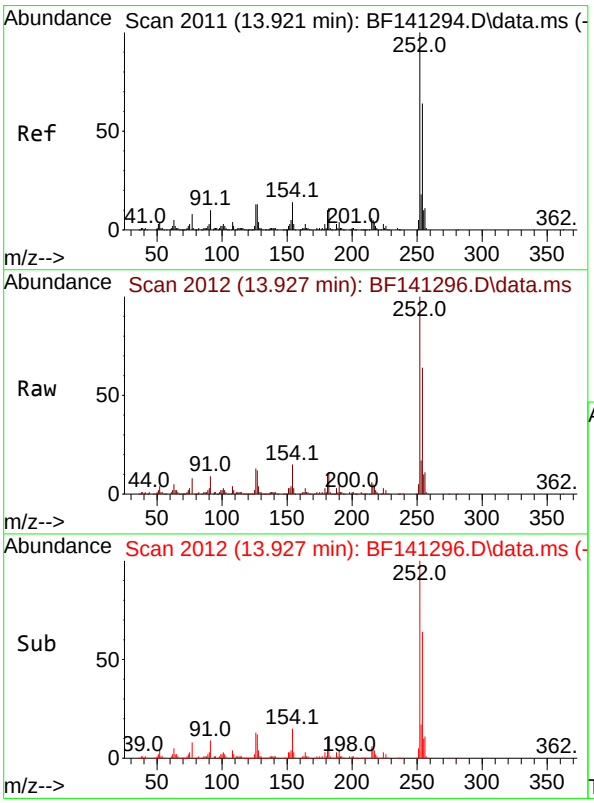
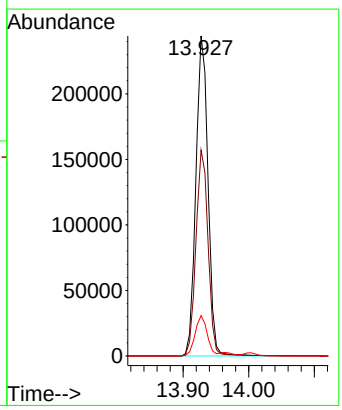
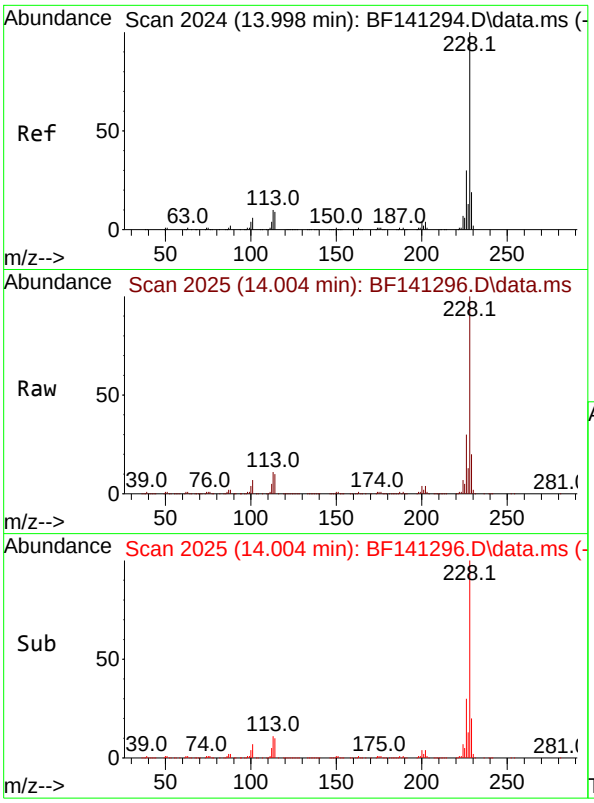


#82
3,3'-Dichlorobenzidine
Concen: 64.819 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 315503

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.3	76.9
126	12.6	10.0	15.0





#83
Chrysene
Concen: 58.239 ng
RT: 14.004 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:228 Resp: 84112(

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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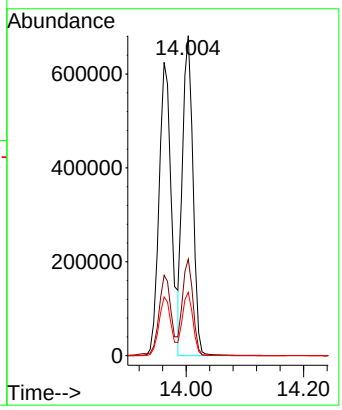
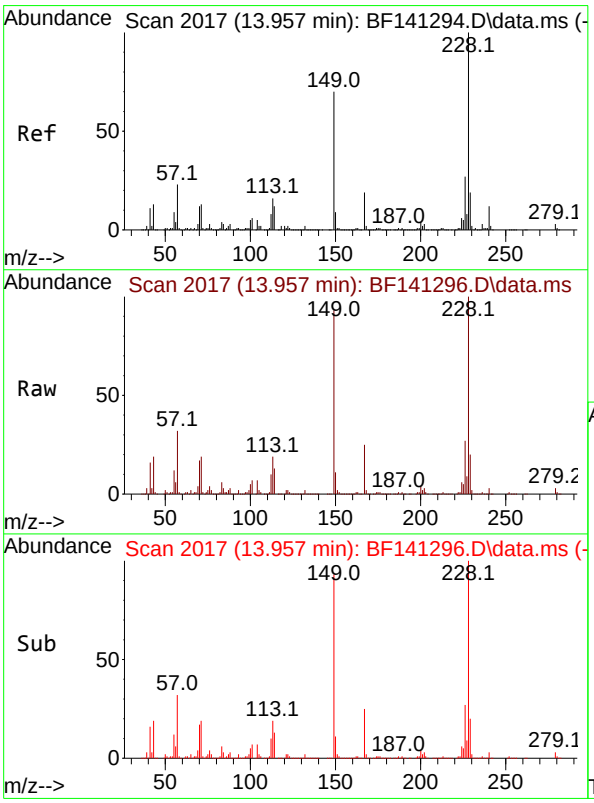
Supervised By :mohammad ahmed 02/04/2025

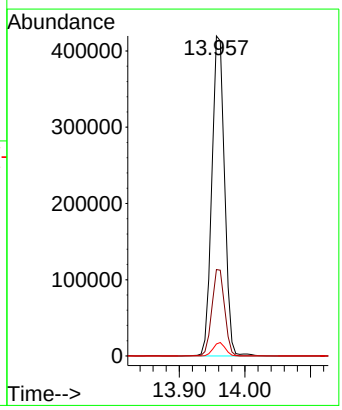


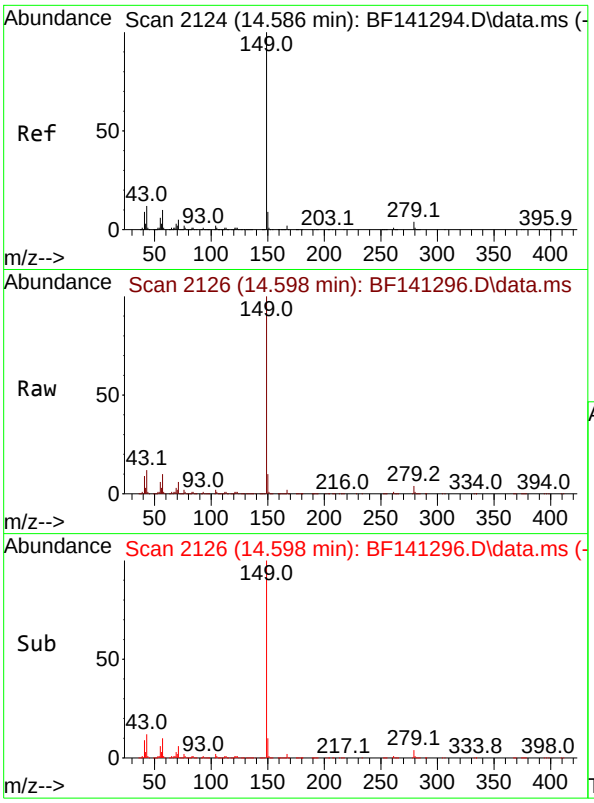


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 564642

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.8	3.3	4.9

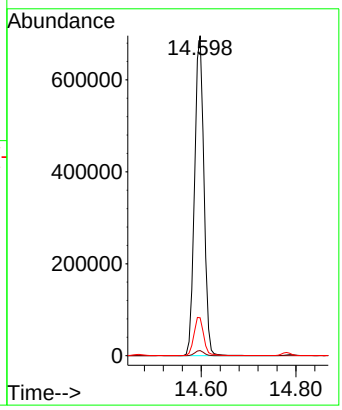




#85
Di-n-octyl phthalate
Concen: 64.953 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 95147

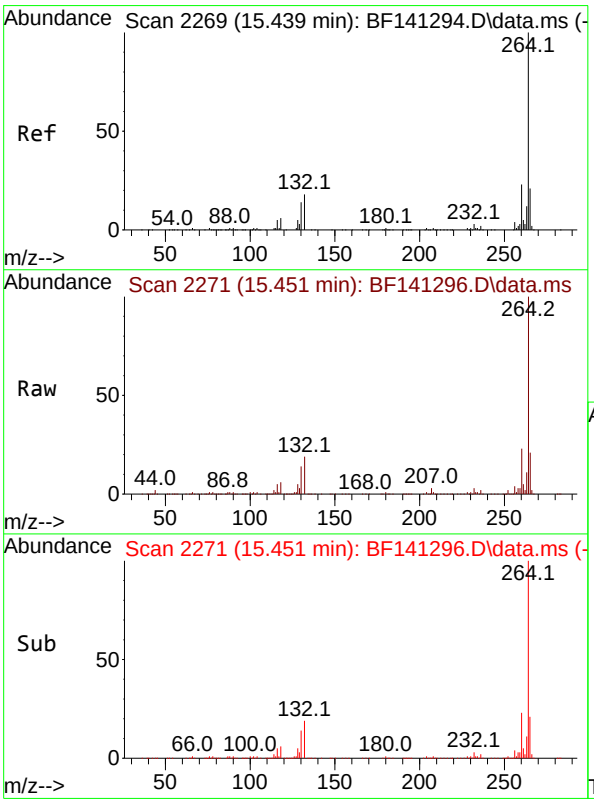
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.6	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

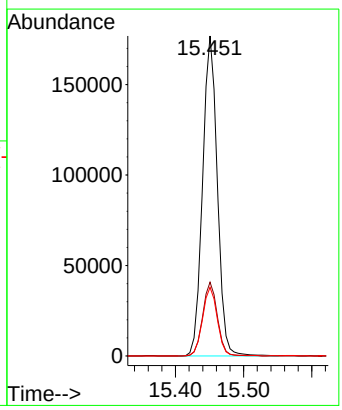
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

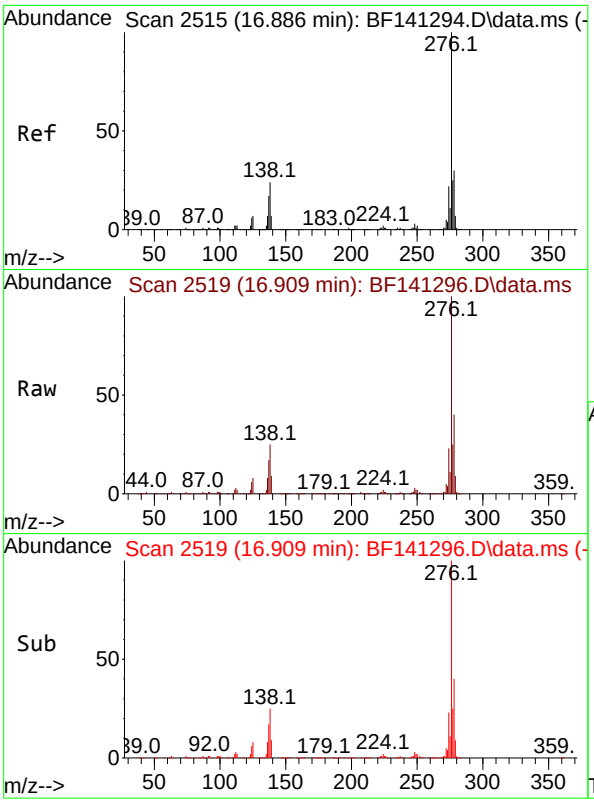


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:264 Resp: 265921

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.5	16.7	25.1

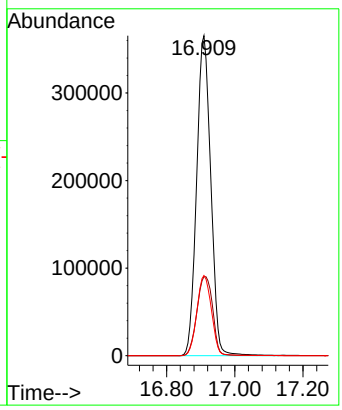




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.732 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 105498

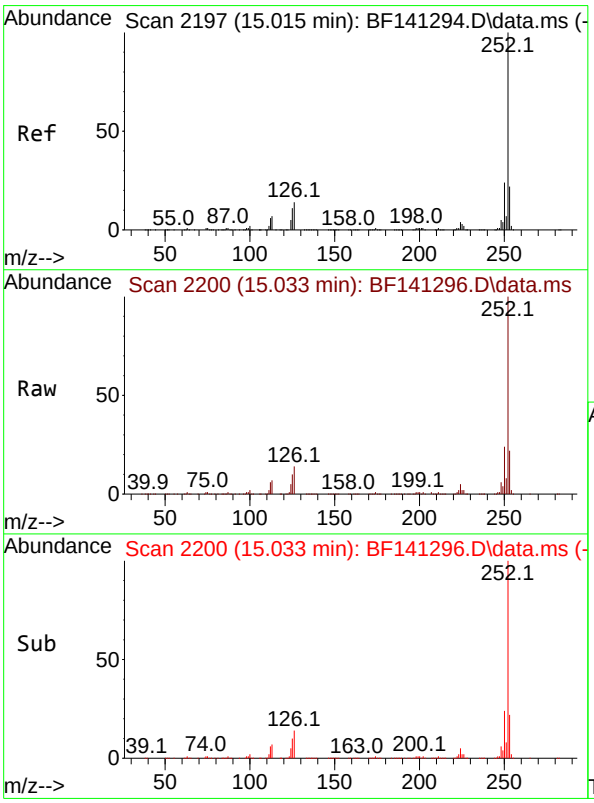
Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.7	32.5
277	25.8	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

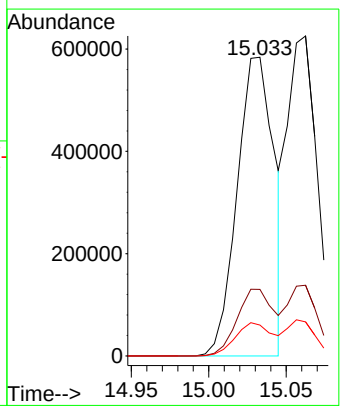
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

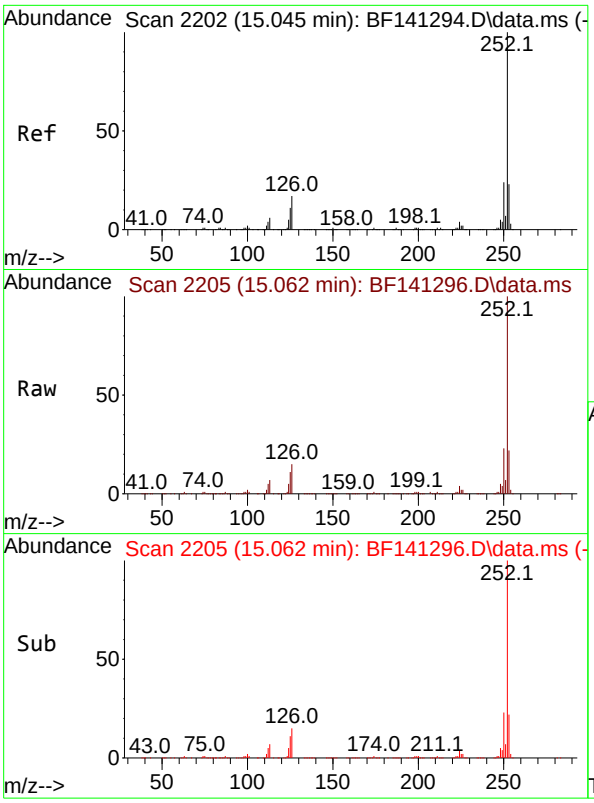


#88
Benzo(b)fluoranthene
Concen: 56.615 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 971433

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	10.3	8.6	12.8

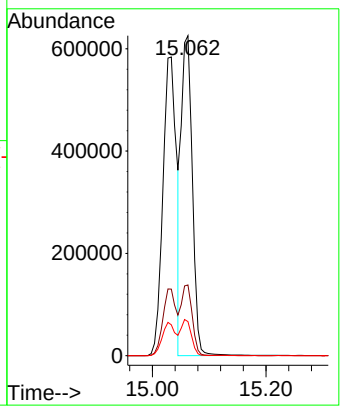




#89
Benzo(k)fluoranthene
Concen: 55.934 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 84584

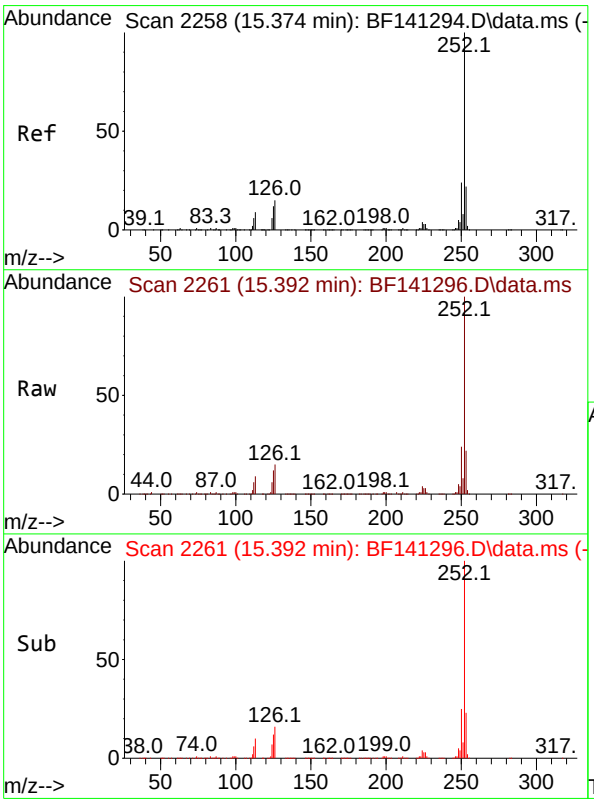
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

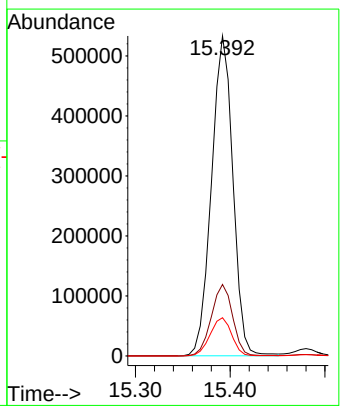
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

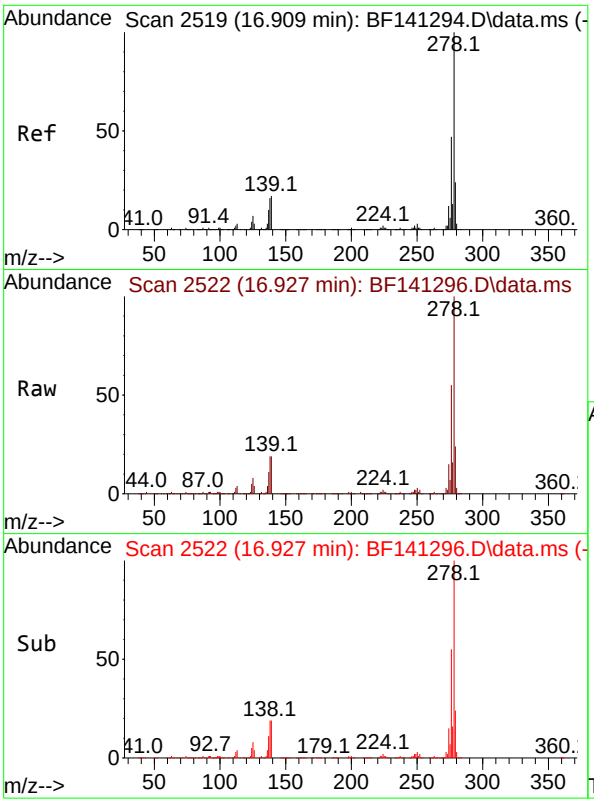


#90
Benzo(a)pyrene
Concen: 58.588 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 838283

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	12.0	9.4	14.2

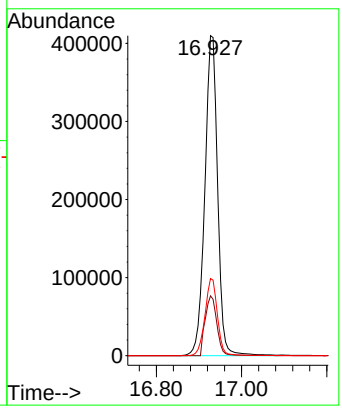




#91
Dibenzo(a,h)anthracene
Concen: 62.119 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:278 Resp: 85421

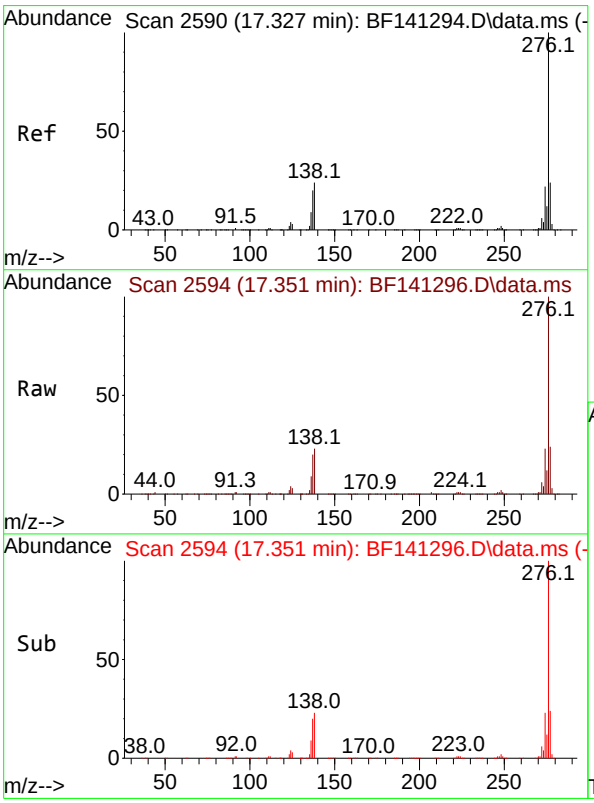
Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.9	20.9
279	24.1	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

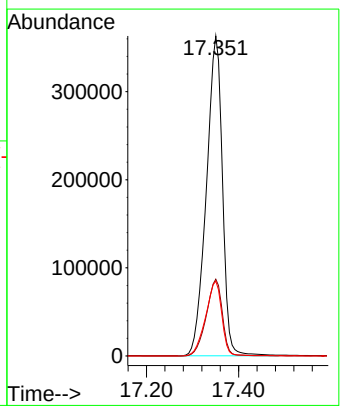
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 61.510 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 881804

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.4	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.804	152	129386	20.000	ng		0.00
21) Naphthalene-d8	8.087	136	500219	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	259556	20.000	ng		0.00
64) Phenanthrene-d10	11.328	188	415634	20.000	ng		0.00
76) Chrysene-d12	13.974	240	216592	20.000	ng		0.00
86) Perylene-d12	15.439	264	271797	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	1203835	140.330	ng		0.00
7) Phenol-d6	6.440	99	1526343	139.796	ng		0.00
23) Nitrobenzene-d5	7.369	82	1396346	145.214	ng		0.00
42) 2,4,6-Tribromophenol	10.634	330	337670	139.281	ng		0.00
45) 2-Fluorobiphenyl	9.163	172	2248567	129.739	ng		0.00
79) Terphenyl-d14	12.916	244	1910783	132.741	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.493	88	274366	73.111	ng		100
3) Pyridine	3.228	79	684346	76.095	ng		99
4) n-Nitrosodimethylamine	3.199	42	399245	77.974	ng		99
6) Aniline	6.469	93	607667	65.185	ng	#	86
8) 2-Chlorophenol	6.593	128	639957	69.519	ng		97
9) Benzaldehyde	6.351	77	376227	58.226	ng		100
10) Phenol	6.451	94	804078	69.411	ng		90
11) bis(2-Chloroethyl)ether	6.546	93	648287	73.535	ng		98
12) 1,3-Dichlorobenzene	6.746	146	704973	69.446	ng		99
13) 1,4-Dichlorobenzene	6.822	146	706528	69.256	ng		99
14) 1,2-Dichlorobenzene	6.975	146	641551	66.867	ng		99
15) Benzyl Alcohol	6.946	79	532270	71.549	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	1092827	70.953	ng		98
17) 2-Methylphenol	7.057	107	545097	73.368	ng		97
18) Hexachloroethane	7.316	117	265593	70.765	ng		97
19) n-Nitroso-di-n-propyla...	7.228	70	452303	69.874	ng		97
20) 3+4-Methylphenols	7.216	107	613997	66.467	ng		96
22) Acetophenone	7.216	105	824220	67.811	ng	#	96
24) Nitrobenzene	7.393	77	716200	71.762	ng		99
25) Isophorone	7.628	82	1229697	74.193	ng		99
26) 2-Nitrophenol	7.704	139	358664	76.912	ng		98
27) 2,4-Dimethylphenol	7.740	122	445560	74.779	ng		99
28) bis(2-Chloroethoxy)met...	7.840	93	767960	72.405	ng		99
29) 2,4-Dichlorophenol	7.945	162	525117	71.573	ng		100
30) 1,2,4-Trichlorobenzene	8.028	180	584061	69.437	ng		100
31) Naphthalene	8.110	128	1838789	68.107	ng		99
32) Benzoic acid	7.881	122	484583	91.066	ng		99
33) 4-Chloroaniline	8.157	127	636568	69.737	ng		99
34) Hexachlorobutadiene	8.222	225	348822	70.904	ng		99
35) Caprolactam	8.545	113	177093	74.270	ng		99
36) 4-Chloro-3-methylphenol	8.640	107	566827	72.094	ng		98
37) 2-Methylnaphthalene	8.798	142	1165995	67.926	ng		98
38) 1-Methylnaphthalene	8.898	142	1146275	67.988	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	531237	70.756	ng		100
41) Hexachlorocyclopentadiene	8.951	237	180658	83.336	ng		99
43) 2,4,6-Trichlorophenol	9.075	196	360370	73.727	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	397887	74.958	ng	99
46) 1,1'-Biphenyl	9.263	154	1412015	68.298	ng	99
47) 2-Chloronaphthalene	9.287	162	1118593	69.578	ng	99
48) 2-Nitroaniline	9.381	65	378379	75.652	ng	97
49) Acenaphthylene	9.704	152	1552508	68.901	ng	99
50) Dimethylphthalate	9.569	163	1269770	71.308	ng	100
51) 2,6-Dinitrotoluene	9.628	165	300867	72.992	ng	99
52) Acenaphthene	9.875	154	1120345	69.700	ng	99
53) 3-Nitroaniline	9.798	138	274410	67.215	ng	99
54) 2,4-Dinitrophenol	9.904	184	169946	101.582	ng	99
55) Dibenzofuran	10.045	168	1451668	67.158	ng	98
56) 4-Nitrophenol	9.957	139	230369	78.788	ng	100
57) 2,4-Dinitrotoluene	10.034	165	375659	70.012	ng	93
58) Fluorene	10.392	166	1099129	65.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	302300	72.005	ng	98
60) Diethylphthalate	10.269	149	1189833	68.571	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	541468	65.968	ng	99
62) 4-Nitroaniline	10.416	138	292019	73.604	ng	99
63) Azobenzene	10.545	77	1206328	69.582	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	217265	89.943	ng	96
66) n-Nitrosodiphenylamine	10.504	169	986121	72.353	ng	100
67) 4-Bromophenyl-phenylether	10.875	248	348615	74.136	ng	97
68) Hexachlorobenzene	10.939	284	361469	72.215	ng	97
69) Atrazine	11.033	200	372792	83.452	ng	99
70) Pentachlorophenol	11.133	266	235030	81.539	ng	99
71) Phenanthrene	11.351	178	1557660	68.257	ng	99
72) Anthracene	11.404	178	1535860	68.749	ng	99
73) Carbazole	11.557	167	1342447	67.630	ng	99
74) Di-n-butylphthalate	11.892	149	1626342	67.604	ng	99
75) Fluoranthene	12.539	202	1463196	64.490	ng	99
77) Benzidine	12.663	184	481470	67.834	ng	99
78) Pyrene	12.769	202	1450076	68.287	ng	100
80) Butylbenzylphthalate	13.392	149	528754	71.721	ng	99
81) Benzo(a)anthracene	13.963	228	1095972	72.323	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	389044	82.157	ng	99
83) Chrysene	13.998	228	1048083	75.964	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	662151	70.666	ng	99
85) Di-n-octyl phthalate	14.586	149	1171131	82.148	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1399119	79.715	ng	100
88) Benzo(b)fluoranthene	15.021	252	1235245	71.102	ng	100
89) Benzo(k)fluoranthene	15.051	252	1146296	75.010	ng	100
90) Benzo(a)pyrene	15.380	252	1098491	75.410	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1117397	79.035	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1155250	78.512	ng	100

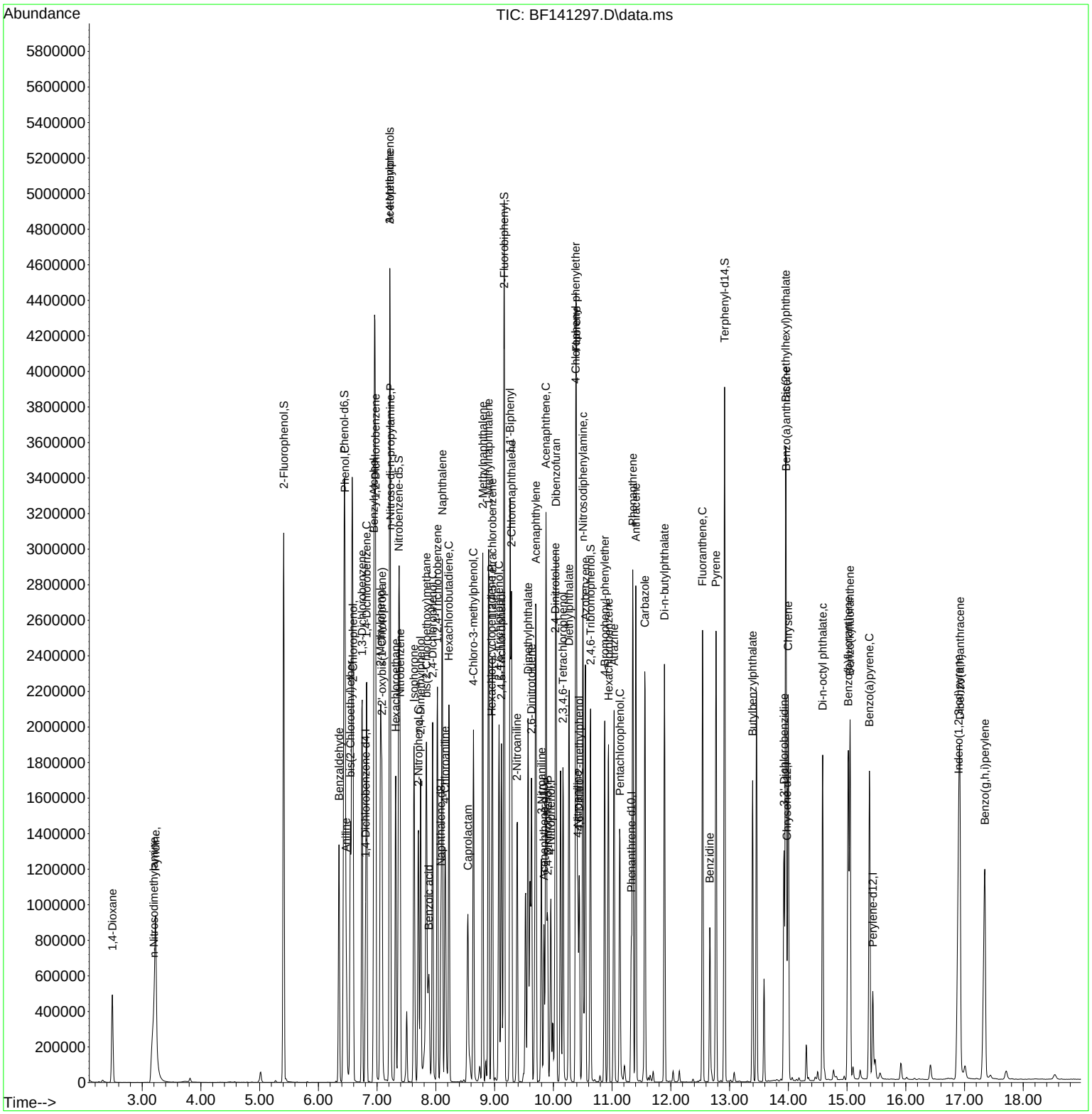
(#) = qualifier out of range (m) = manual integration (+) = signals summed

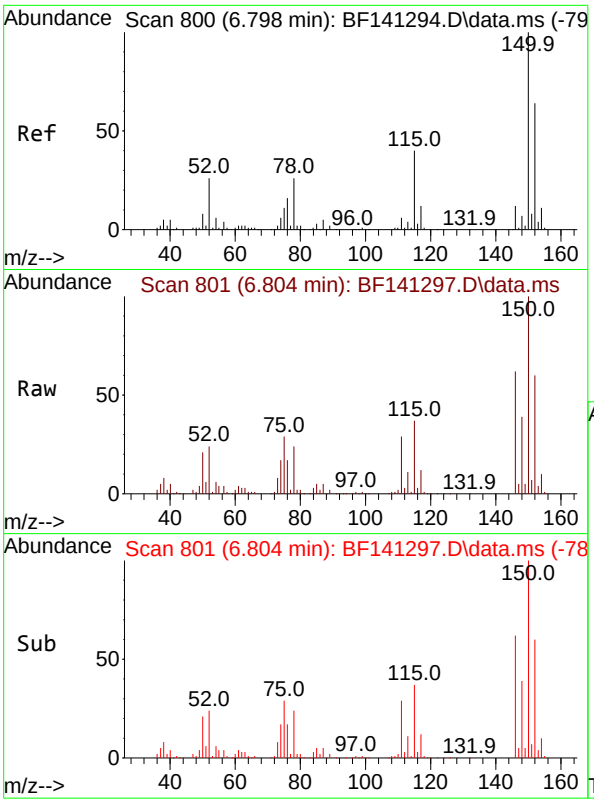
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration



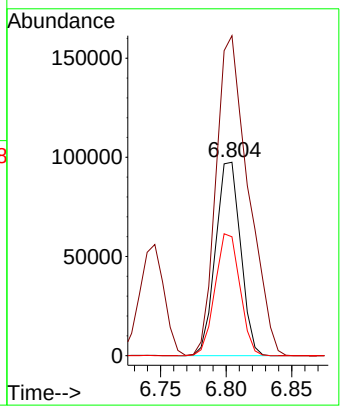


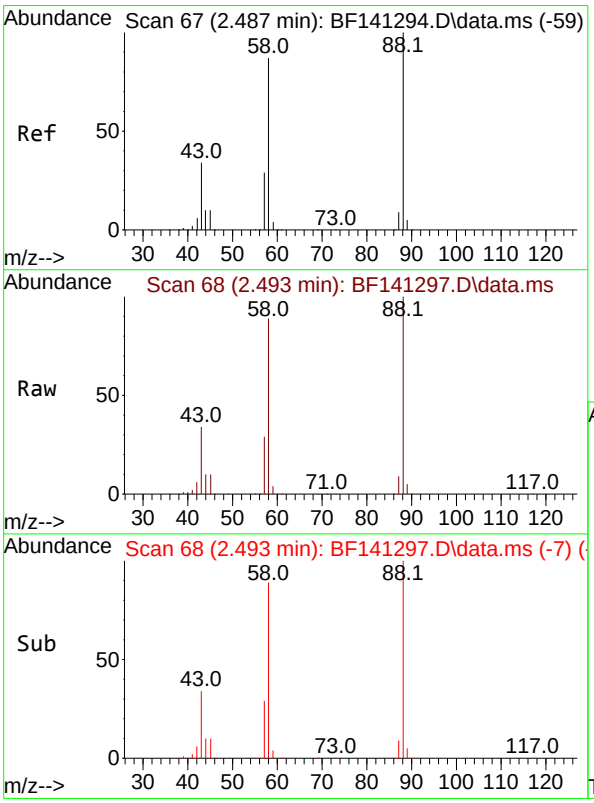
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 129386

Ion	Ratio	Lower	Upper
152	100		
150	165.5	125.9	188.9
115	61.4	49.7	74.5

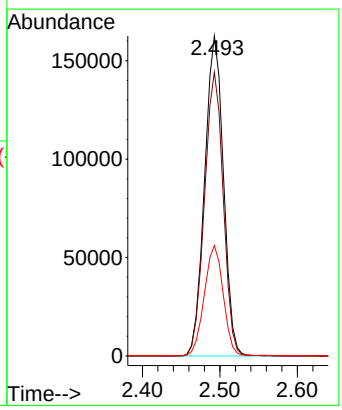


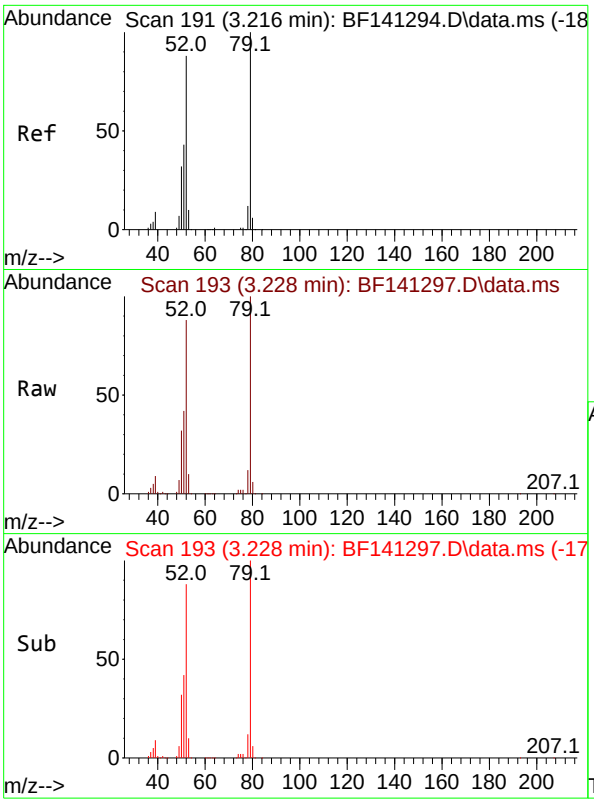


#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 88 Resp: 274366

Ion	Ratio	Lower	Upper
88	100		
58	88.2	70.2	105.4
43	34.3	27.6	41.4



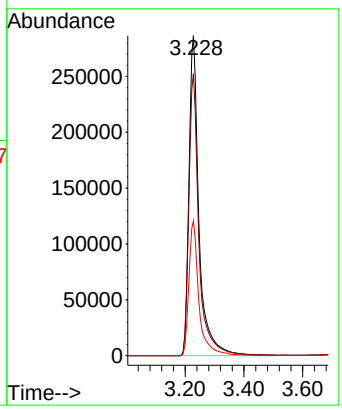


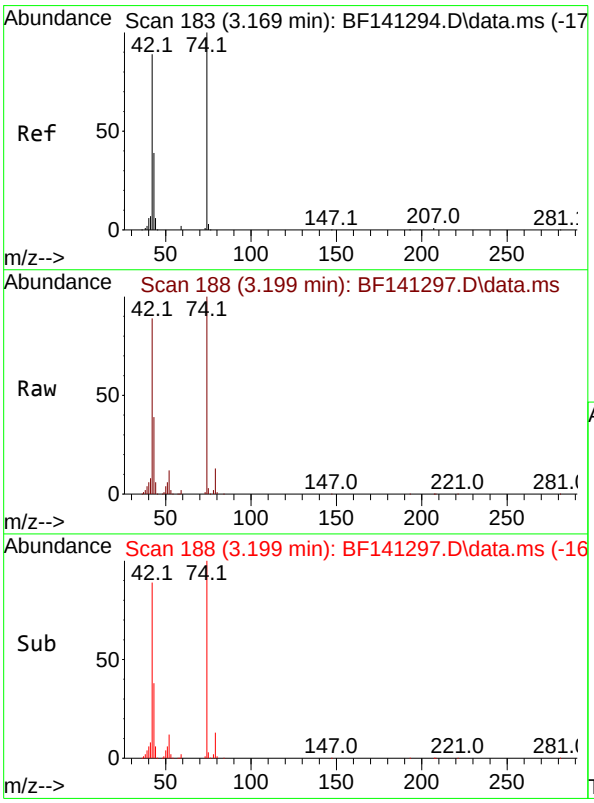
#3
Pyridine
Concen: 76.095 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 684346

Ion	Ratio	Lower	Upper
79	100		
52	88.1	70.3	105.5
51	42.1	34.3	51.5

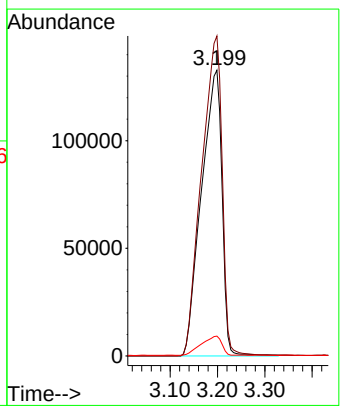


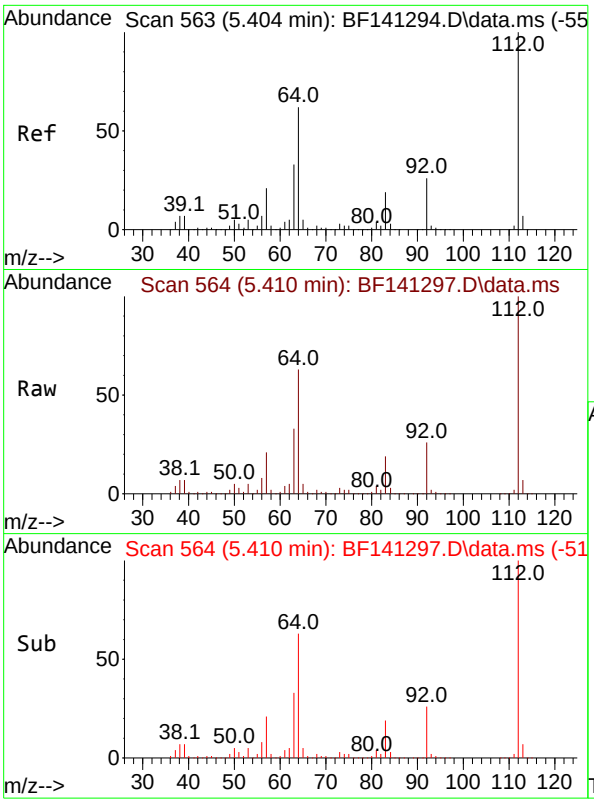


#4
n-Nitrosodimethylamine
Concen: 77.974 ng
RT: 3.199 min Scan# 188
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 42 Resp: 399245

Ion	Ratio	Lower	Upper
42	100		
74	112.0	90.3	135.5
44	6.9	5.7	8.5



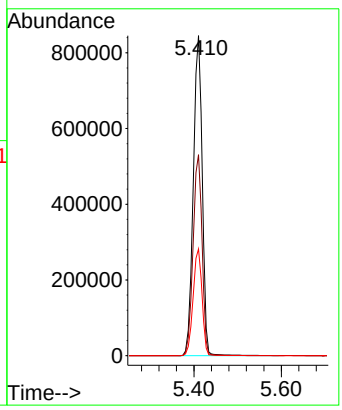


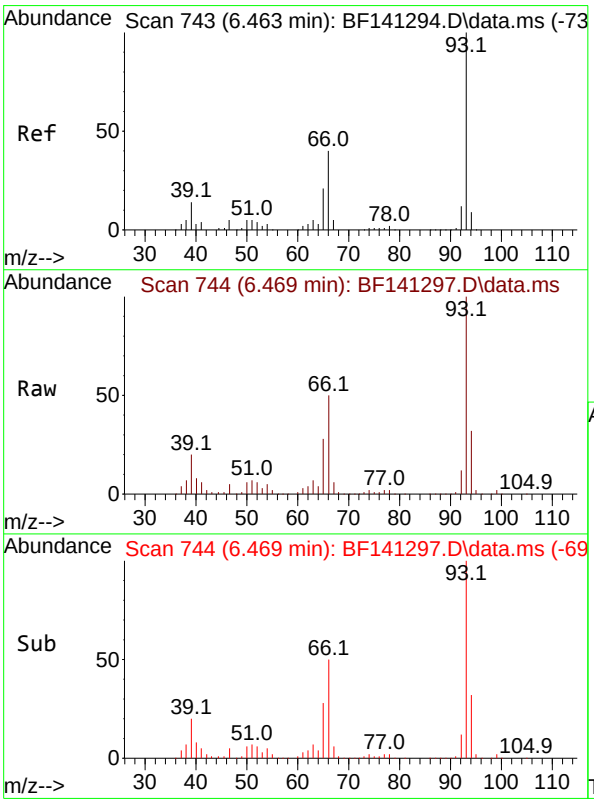
#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1203835

Ion	Ratio	Lower	Upper
112	100		
64	62.8	49.8	74.8
63	33.4	26.1	39.1

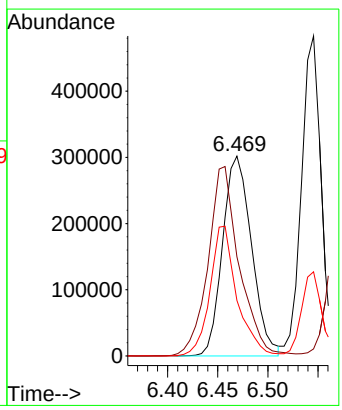


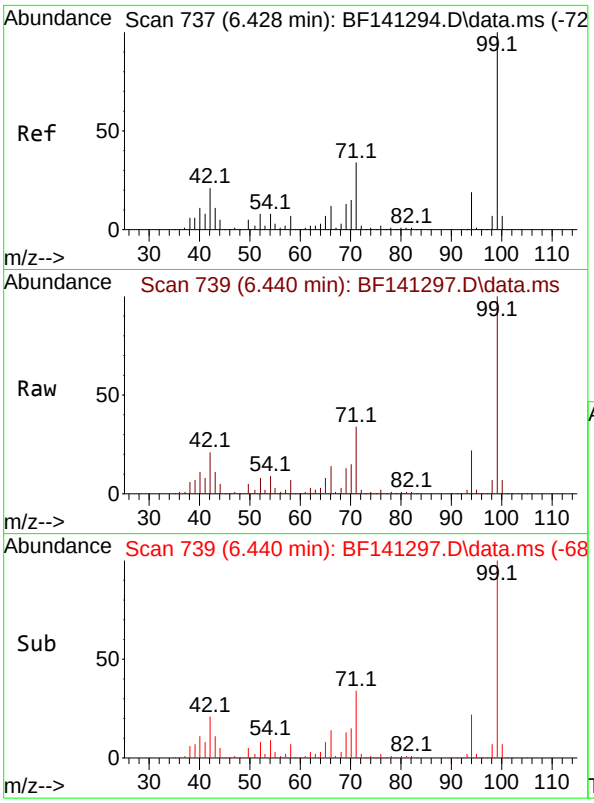


#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 607667

Ion	Ratio	Lower	Upper
93	100		
66	49.7	32.5	48.7#
65	27.8	17.0	25.6#



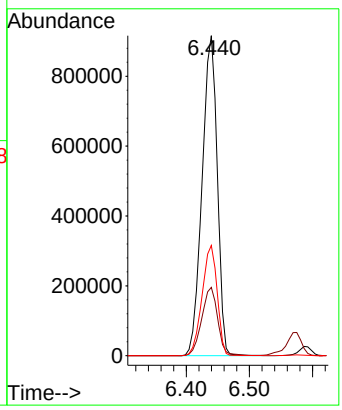


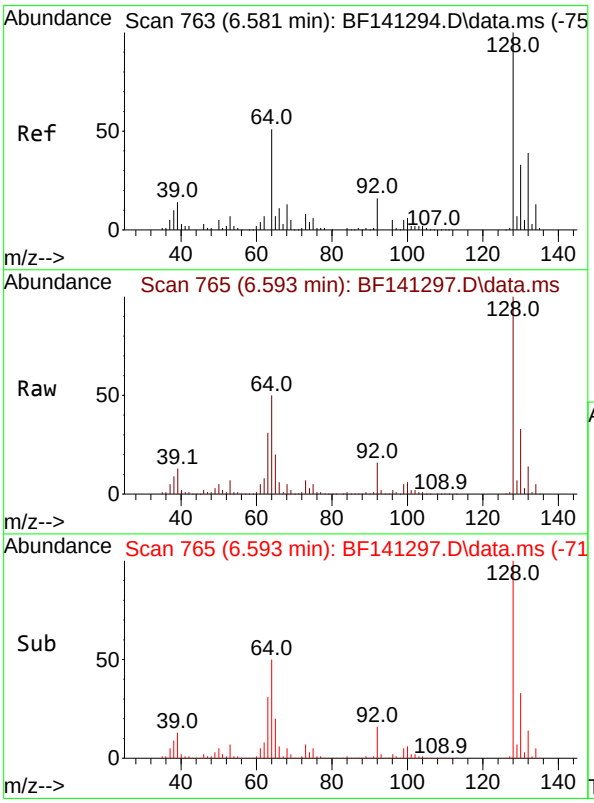
#7
Phenol-d6
Concen: 139.796 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1526343

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	34.4	26.9	40.3

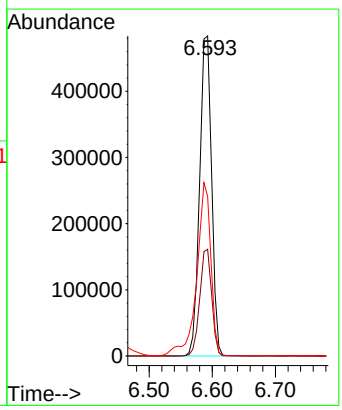


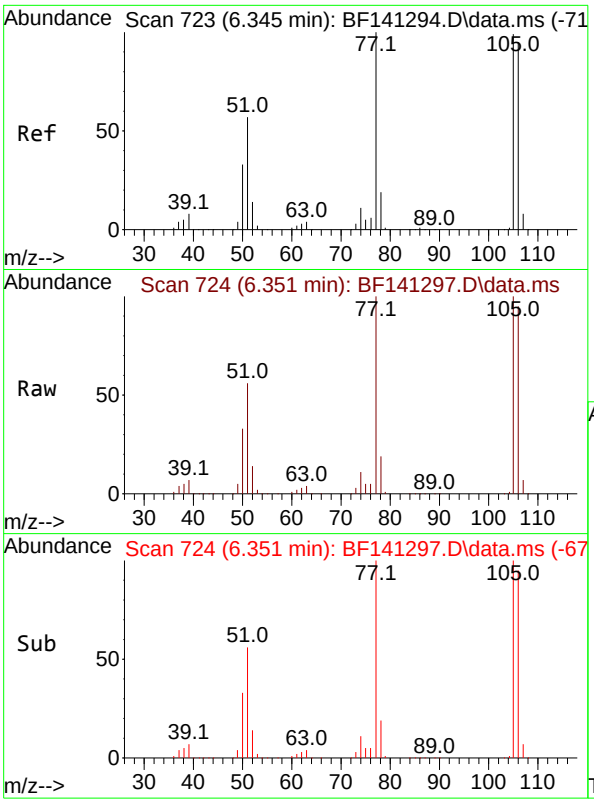


#8
2-Chlorophenol
Concen: 69.519 ng
RT: 6.593 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:128 Resp: 639957

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	49.8	32.9	72.9



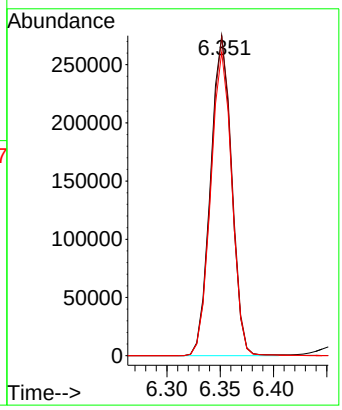


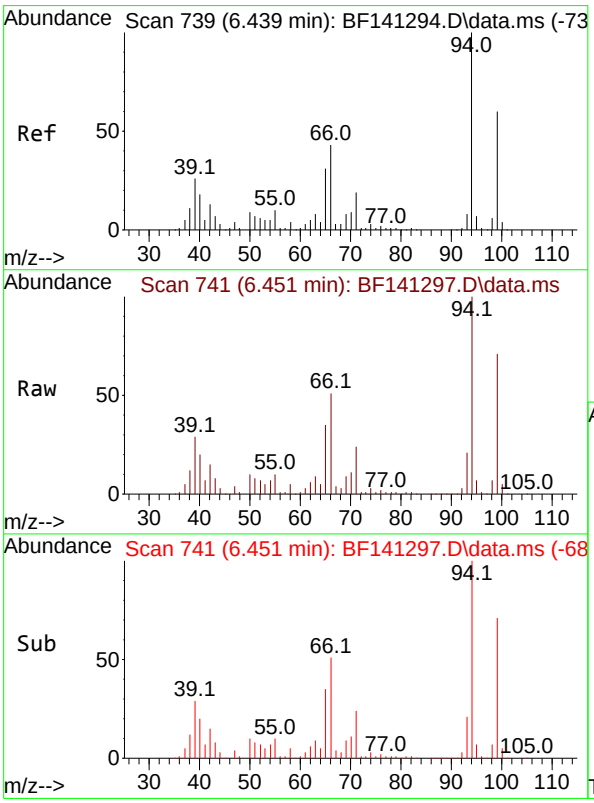
#9
Benzaldehyde
Concen: 58.226 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 376227

Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.9	74.6	114.6

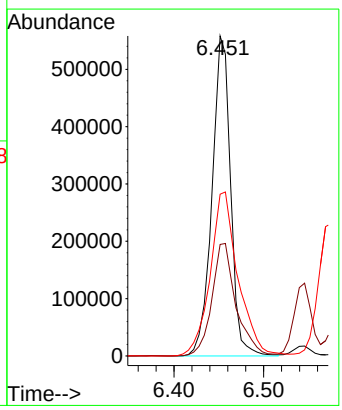


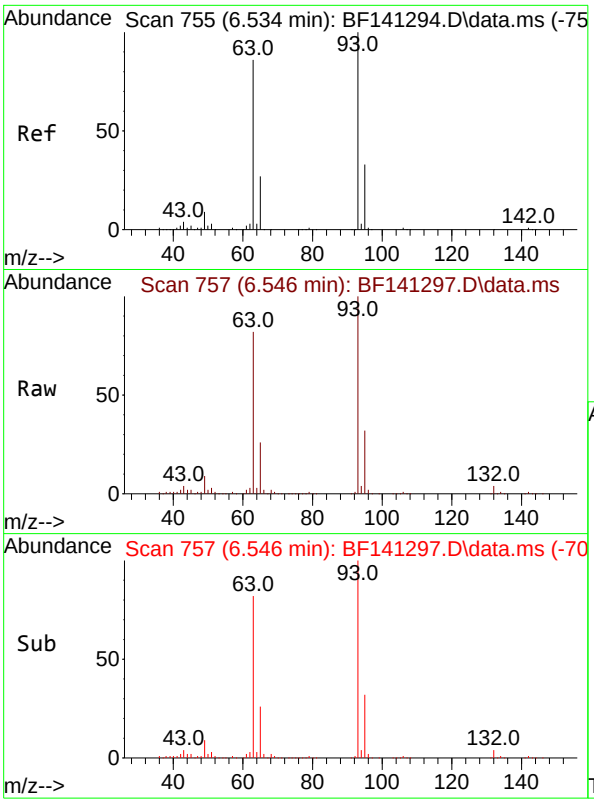


#10
Phenol
Concen: 69.411 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 94 Resp: 804078

Ion	Ratio	Lower	Upper
94	100		
65	34.9	10.8	50.8
66	50.6	23.3	63.3



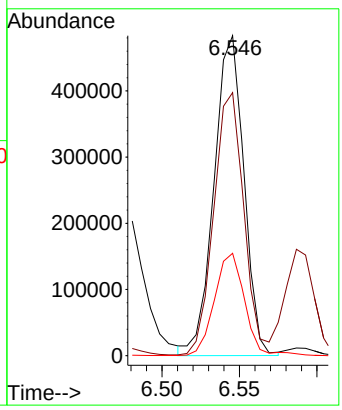


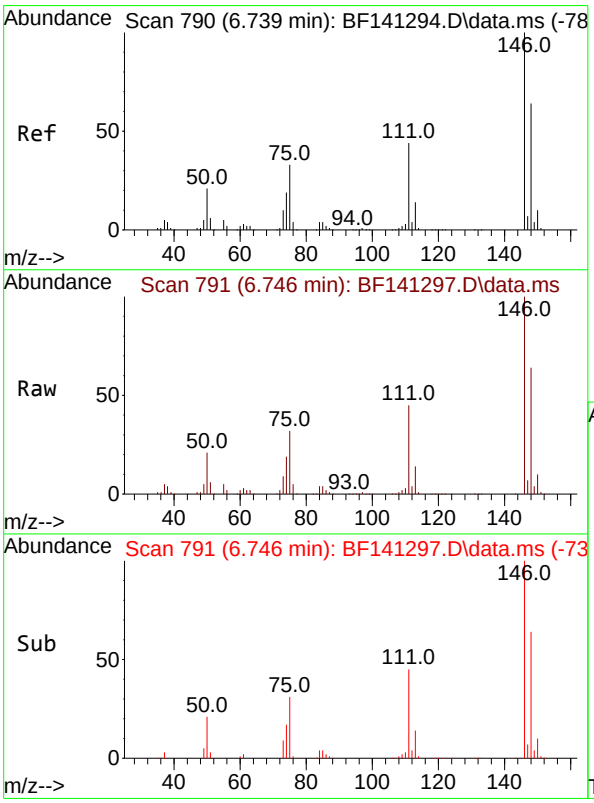
#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 648287

Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	32.0	12.4	52.4

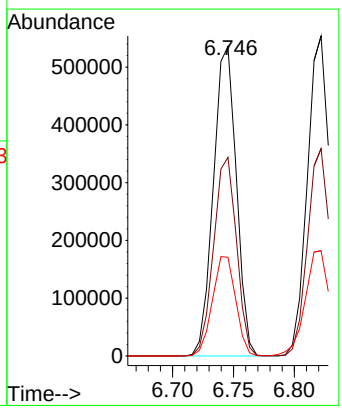


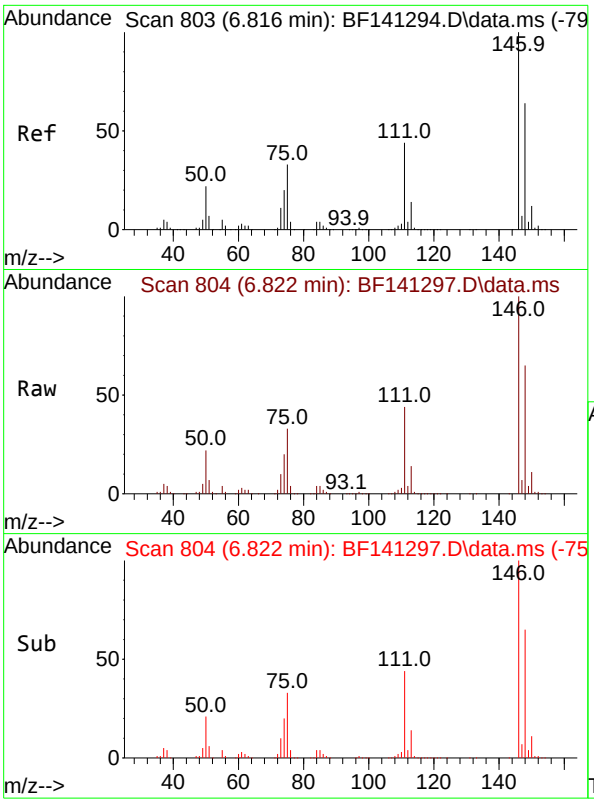


#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 704973

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
75	31.9	26.2	39.4



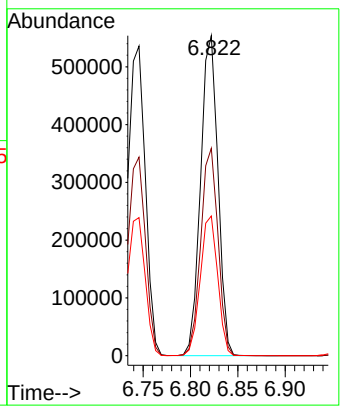


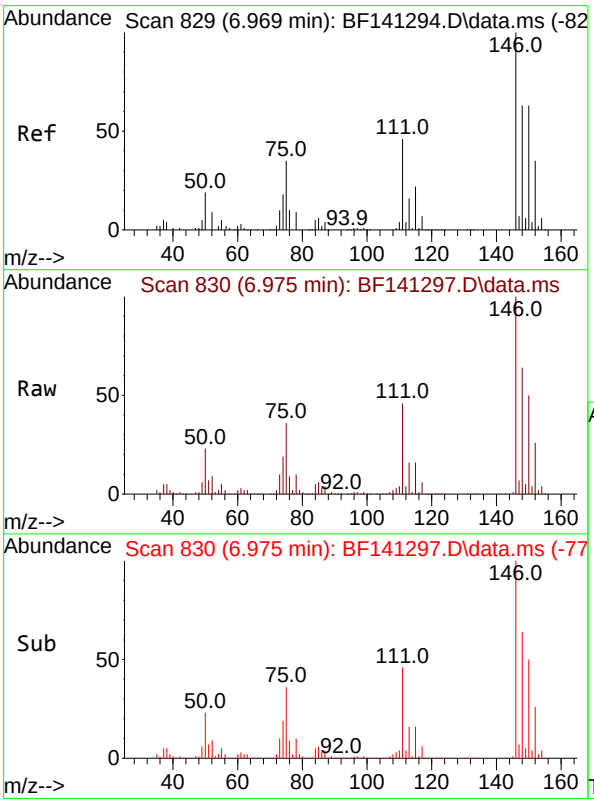
#13
1,4-Dichlorobenzene
Concen: 69.256 ng
RT: 6.822 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 706528

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
111	43.6	35.0	52.4

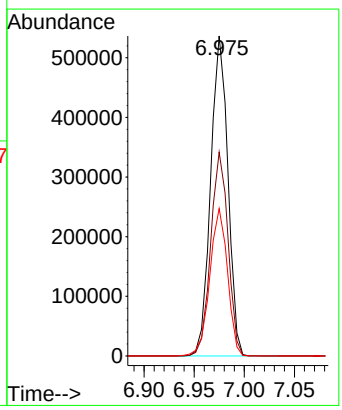


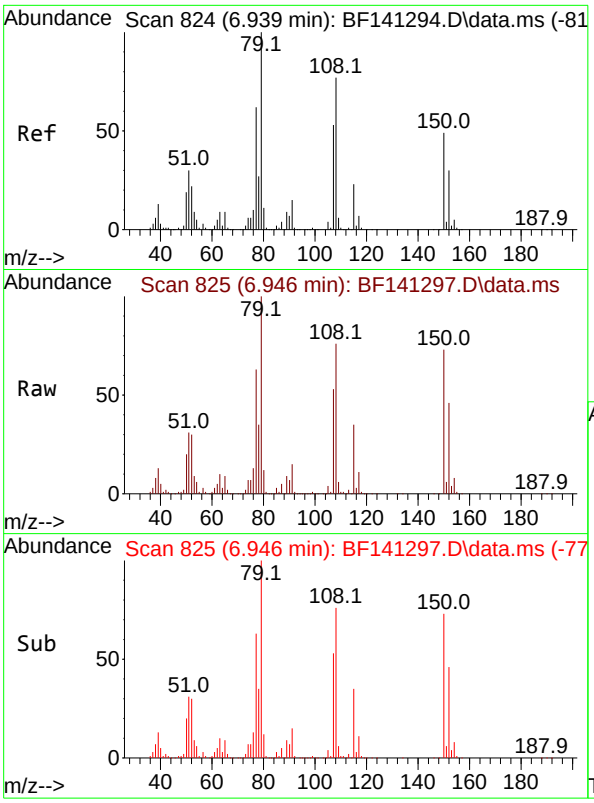


#14
1,2-Dichlorobenzene
Concen: 66.867 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 641551

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	46.1	36.6	55.0



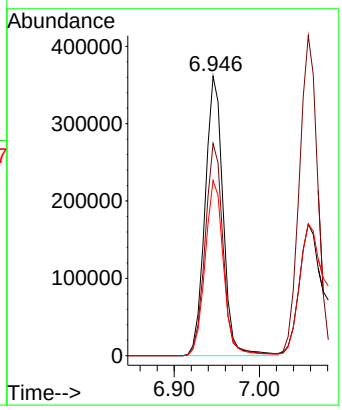


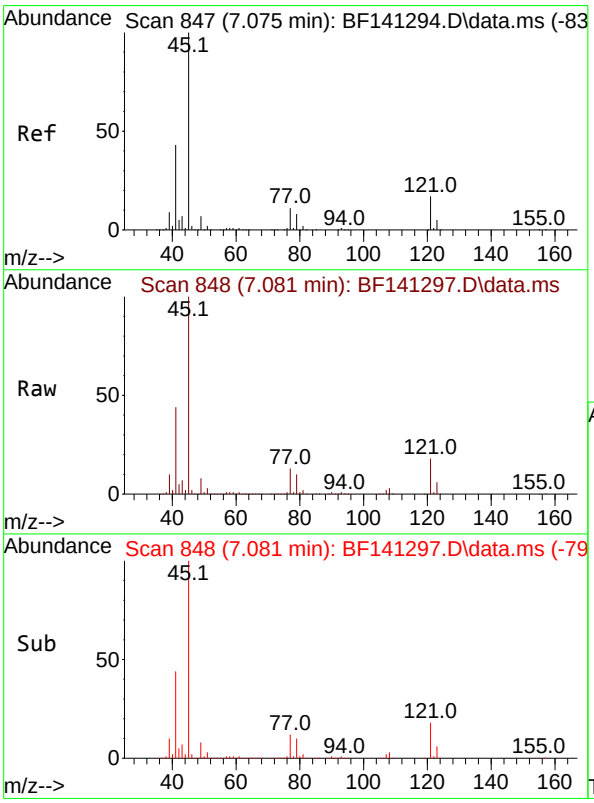
#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 532270

Ion	Ratio	Lower	Upper
79	100		
108	75.9	61.4	92.0
77	62.7	49.9	74.9

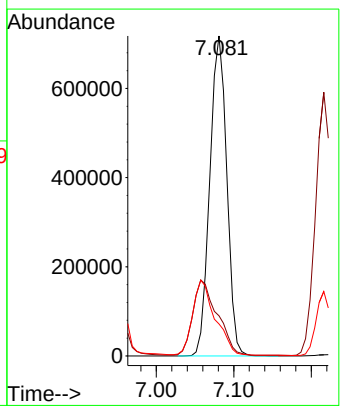


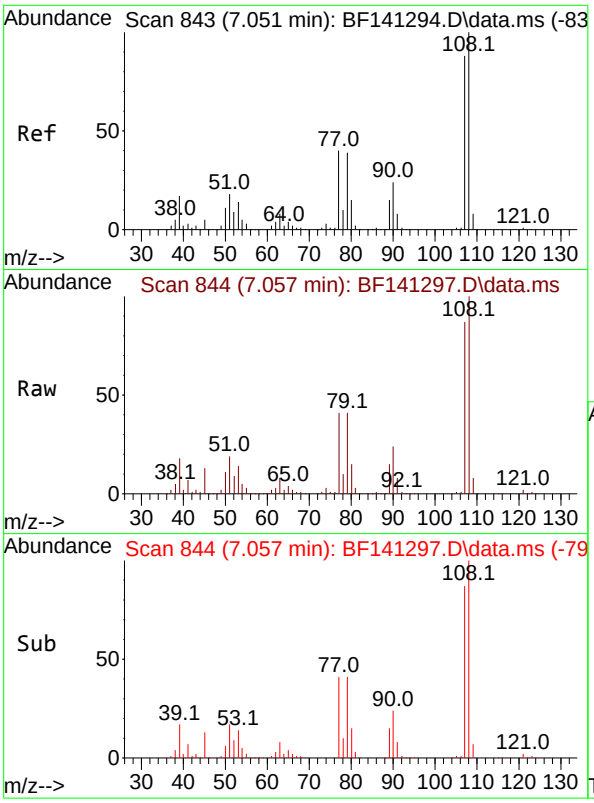


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.953 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 45 Resp: 1092827

Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	31.8
79	10.0	0.0	29.1



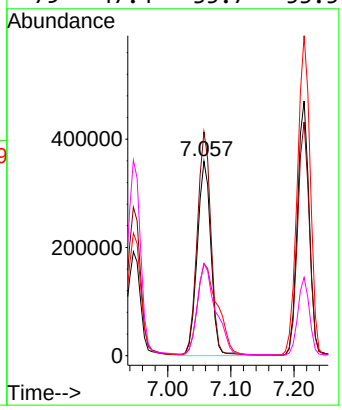


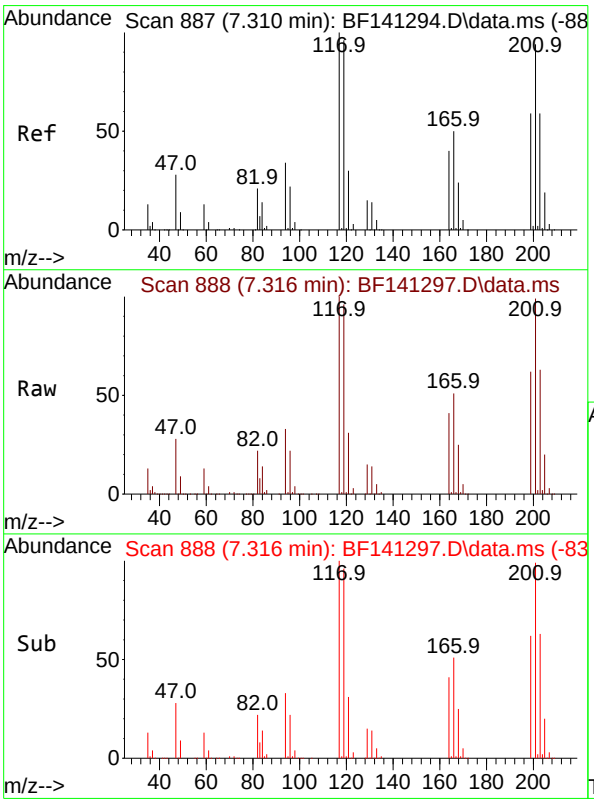
#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 545097

Ion	Ratio	Lower	Upper
107	100		
108	115.2	90.8	136.2
77	47.5	36.2	54.4
79	47.4	35.7	53.5

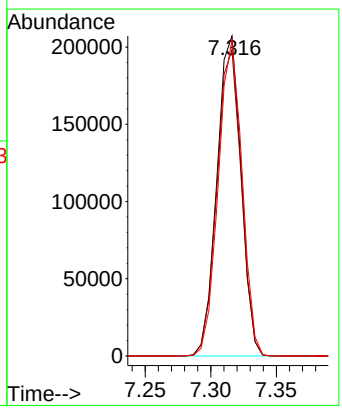


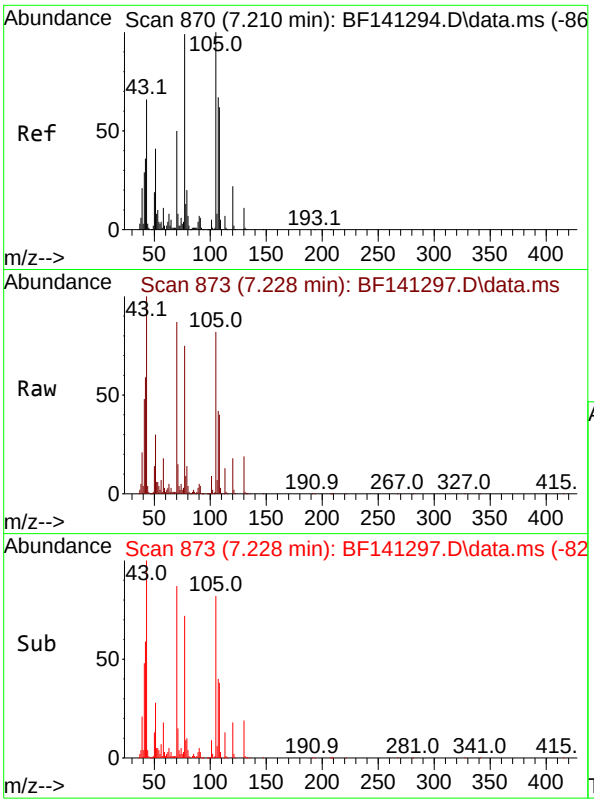


#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:117 Resp: 265593

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	98.6	74.8	112.2



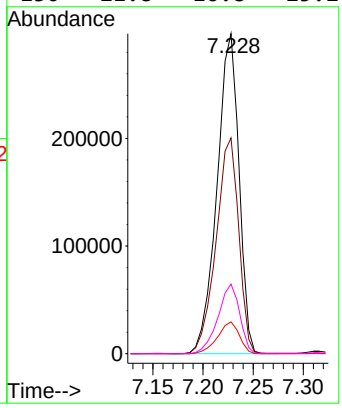


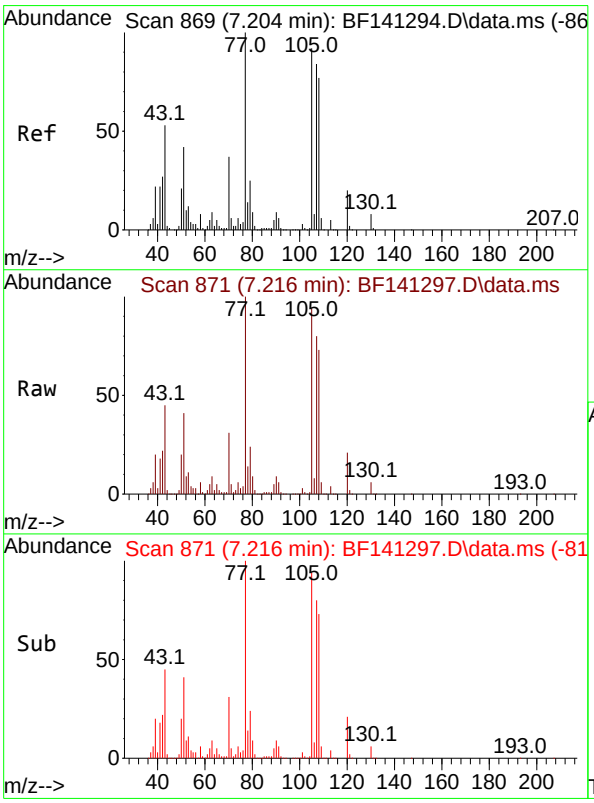
#19
n-Nitroso-di-n-propylamine
Concen: 69.874 ng
RT: 7.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 452303

Ion	Ratio	Lower	Upper
70	100		
42	67.4	56.8	85.2
101	9.9	7.7	11.5
130	21.8	16.8	25.2

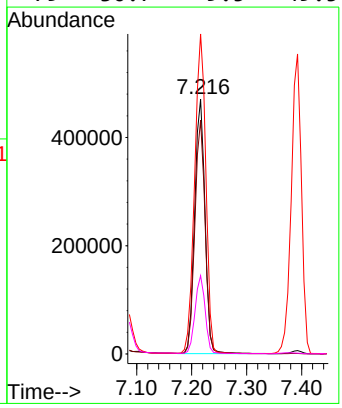


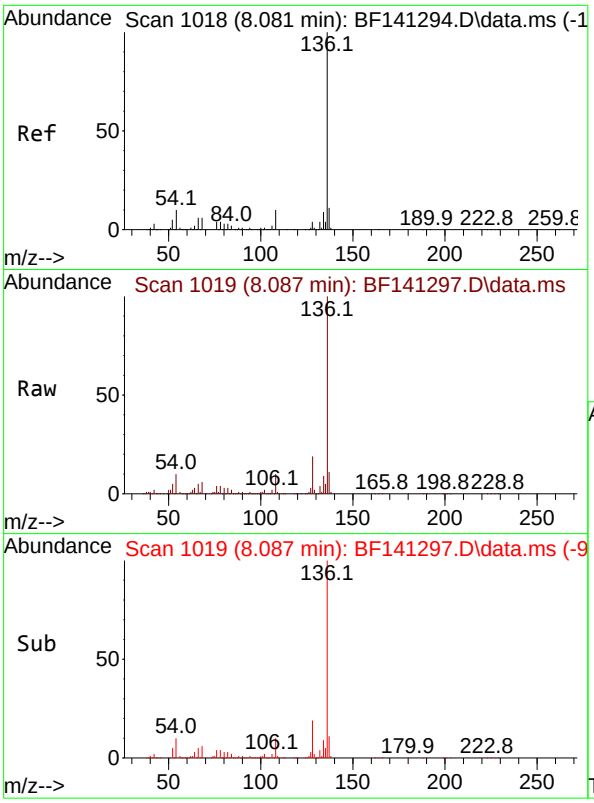


#20
3+4-Methylphenols
Concen: 66.467 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 613997

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.9	110.9
77	125.6	98.5	138.5
79	30.7	9.5	49.5



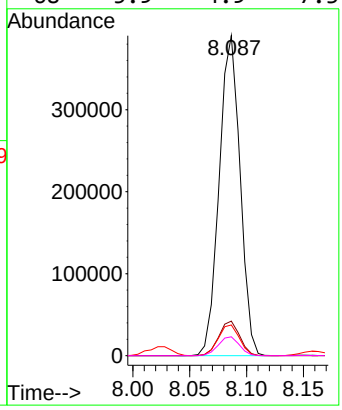


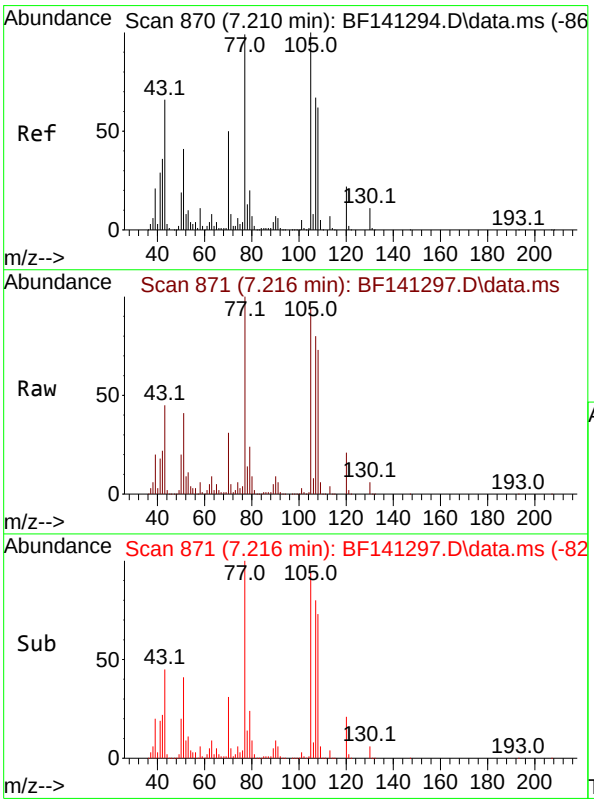
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 500219

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.6	7.8	11.8
68	5.9	4.9	7.3

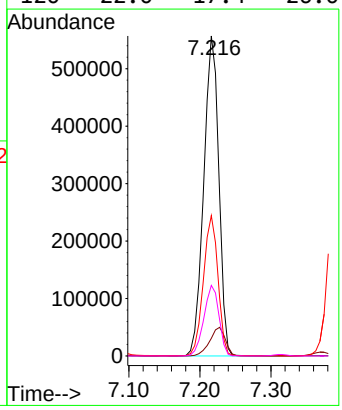


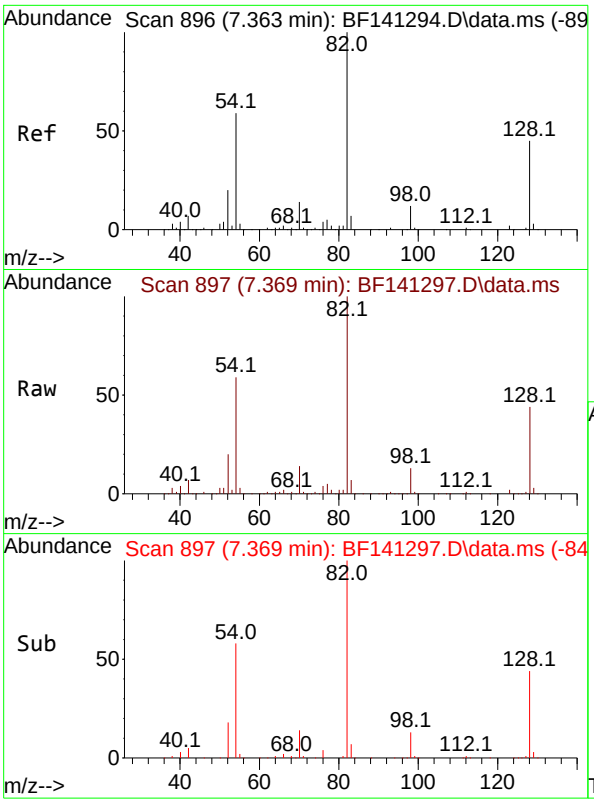


#22
Acetophenone
Concen: 67.811 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:105 Resp: 824220

Ion	Ratio	Lower	Upper
105	100		
71	5.5	6.8	10.2#
51	43.9	32.6	49.0
120	22.0	17.4	26.0



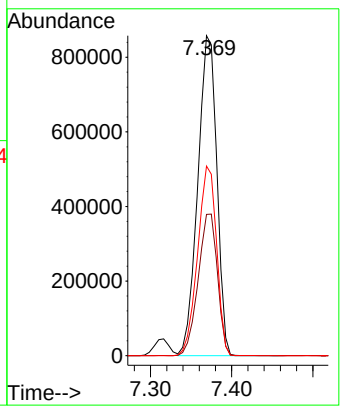


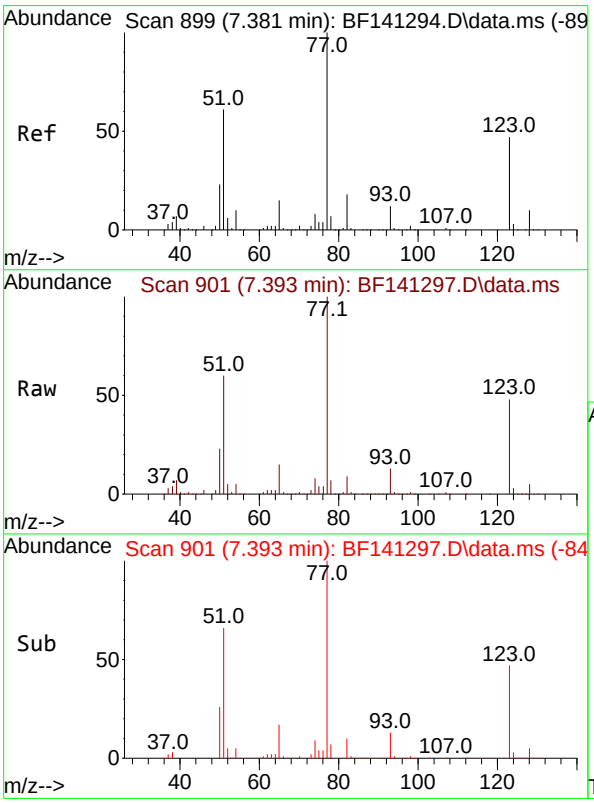
#23
Nitrobenzene-d5
Concen: 145.214 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1396346

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	59.3	47.1	70.7

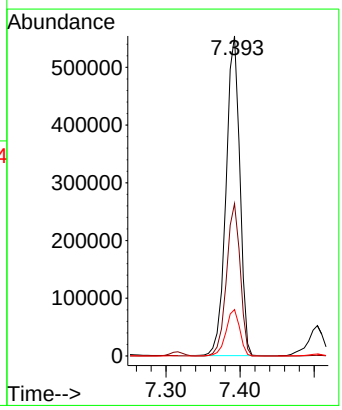


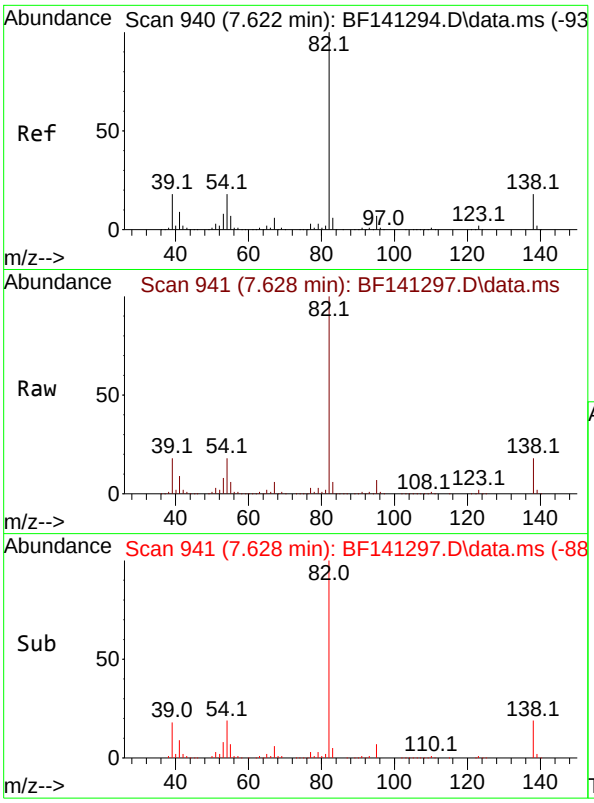


#24
Nitrobenzene
Concen: 71.762 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 77 Resp: 716200

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.3	55.9
65	14.5	11.8	17.6



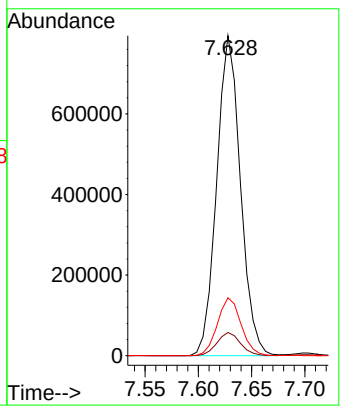


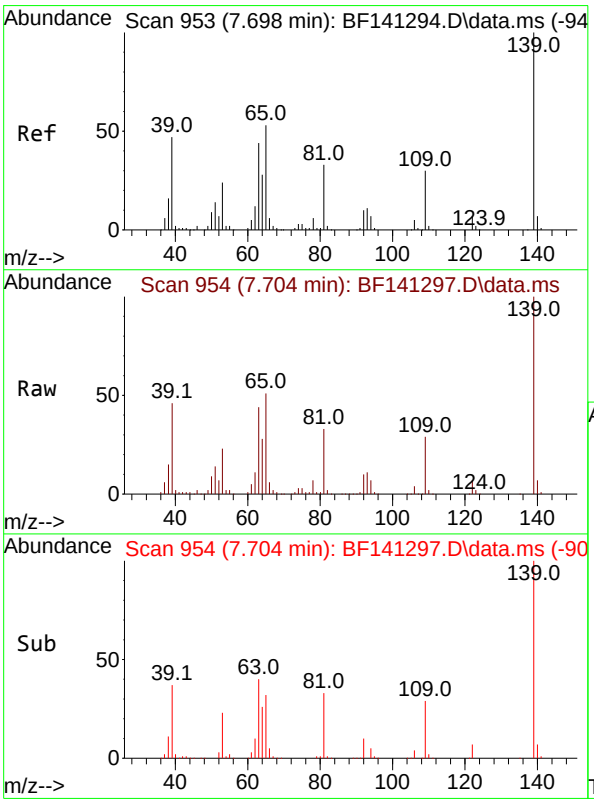
#25
Isophorone
Concen: 74.193 ng
RT: 7.628 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1229697

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	18.1	14.7	22.1

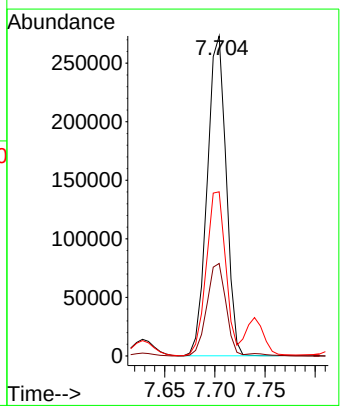


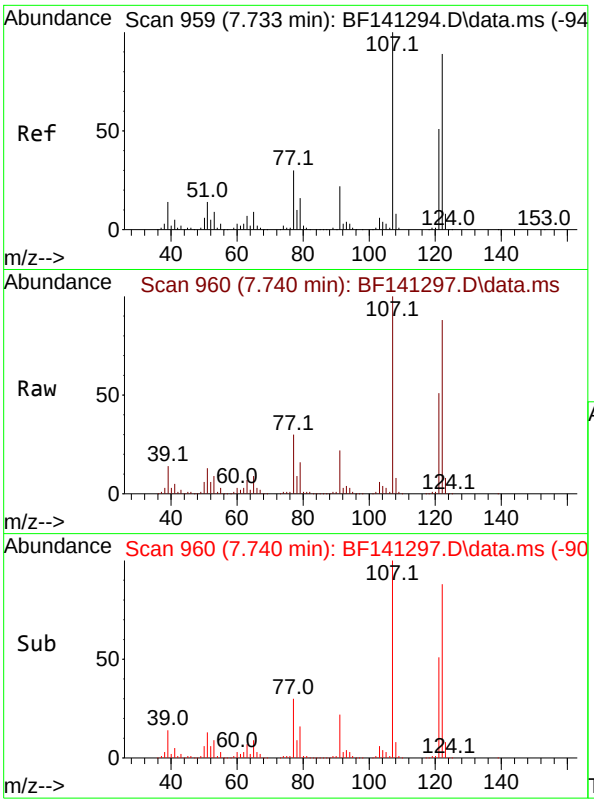


#26
2-Nitrophenol
Concen: 76.912 ng
RT: 7.704 min Scan# 954
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 358664

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.8	35.6
65	51.3	42.2	63.4



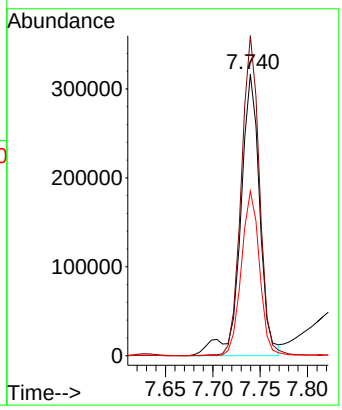


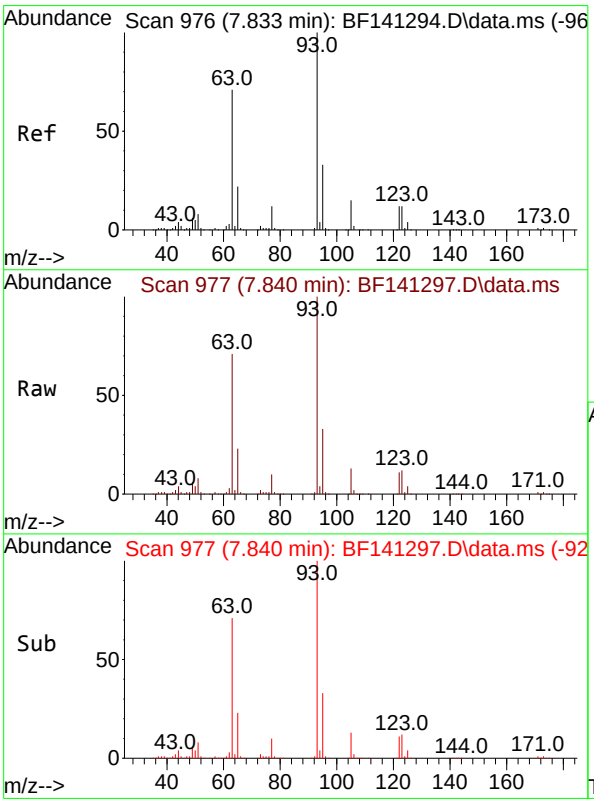
#27
2,4-Dimethylphenol
Concen: 74.779 ng
RT: 7.740 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 445560

Ion	Ratio	Lower	Upper
122	100		
107	113.7	89.9	134.9
121	58.5	46.1	69.1

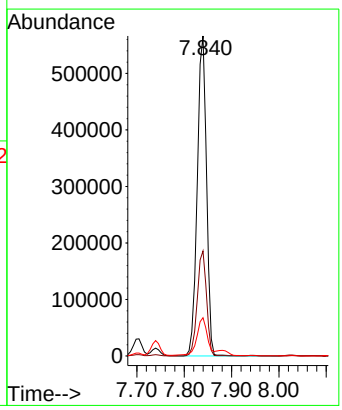


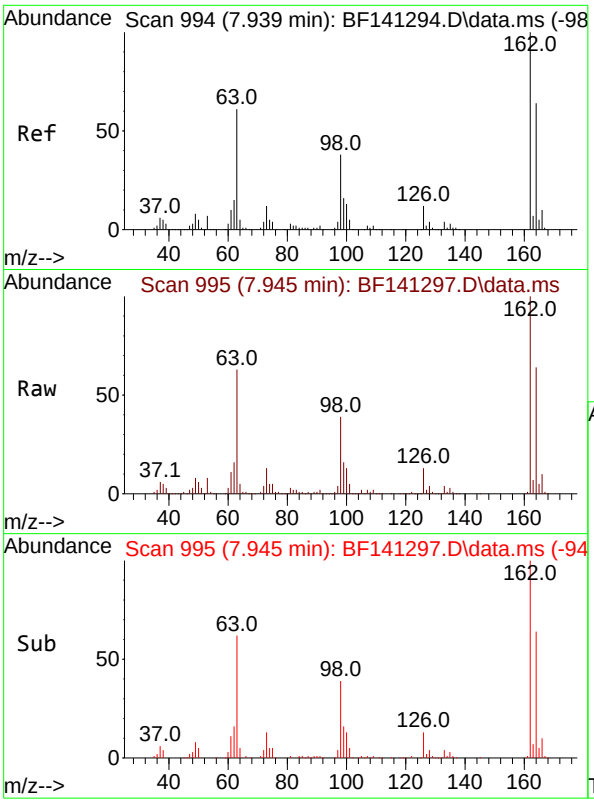


#28
bis(2-Chloroethoxy)methane
Concen: 72.405 ng
RT: 7.840 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 767960

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	12.0	10.2	15.4



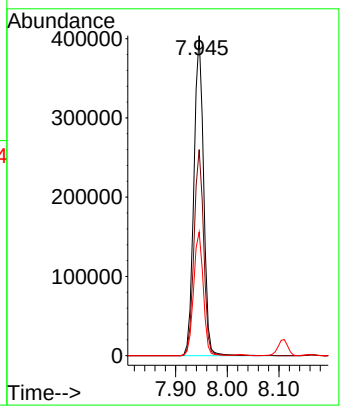


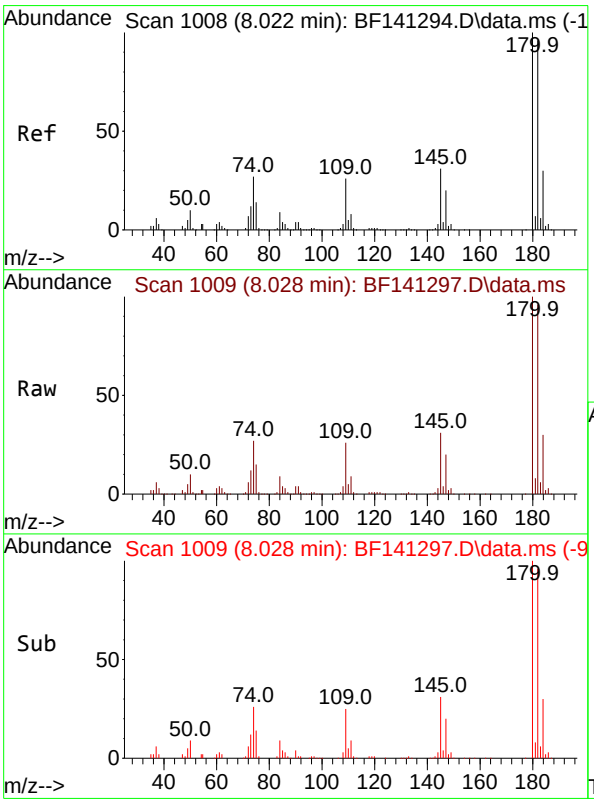
#29
2,4-Dichlorophenol
Concen: 71.573 ng
RT: 7.945 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 525117

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.6	18.2	58.2

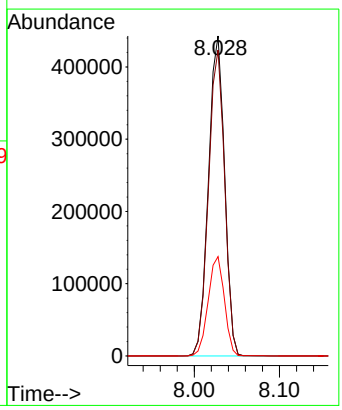


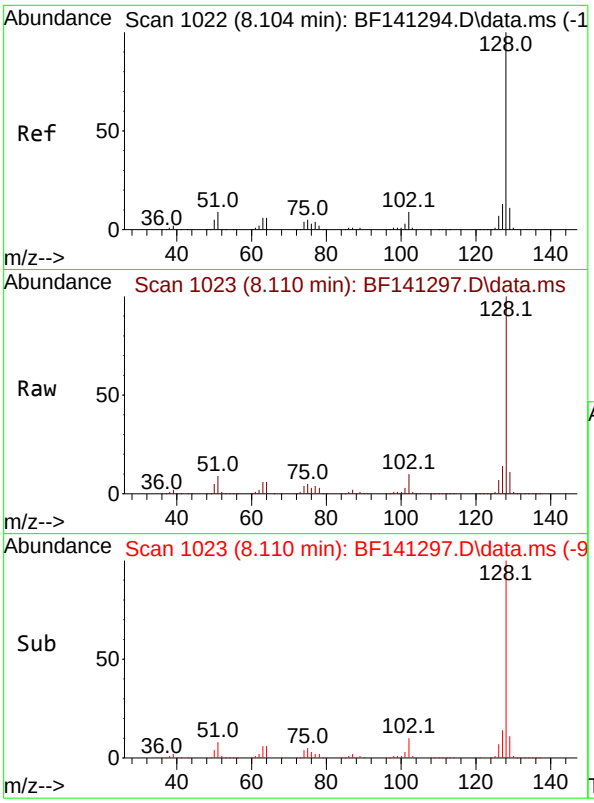


#30
1,2,4-Trichlorobenzene
Concen: 69.437 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:180 Resp: 584061

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.0	24.9	37.3



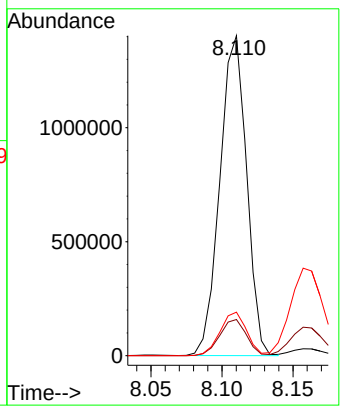


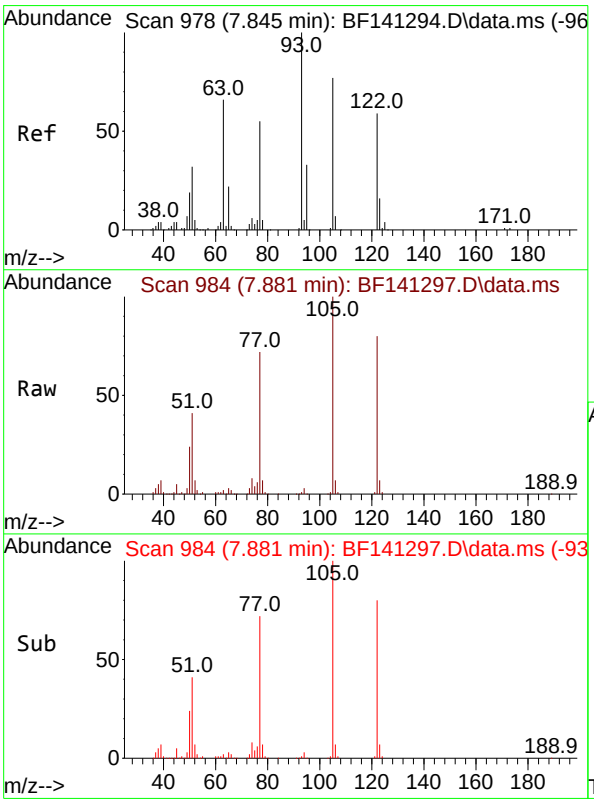
#31
Naphthalene
Concen: 68.107 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1838789

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.6	15.8

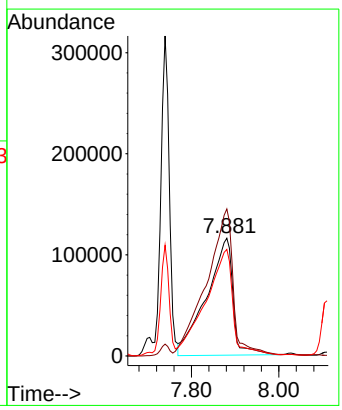


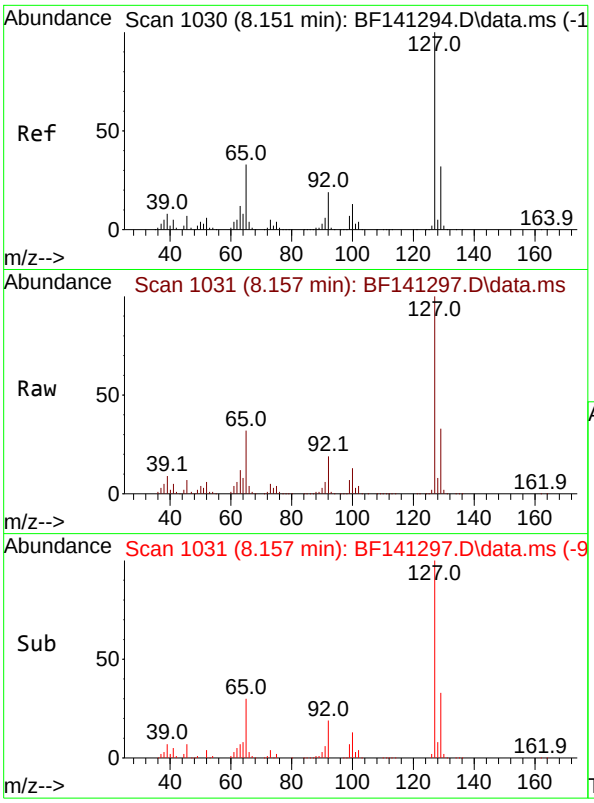


#32
Benzoic acid
Concen: 91.066 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:122 Resp: 484583

Ion	Ratio	Lower	Upper
122	100		
105	124.8	103.4	143.4
77	90.5	70.9	110.9



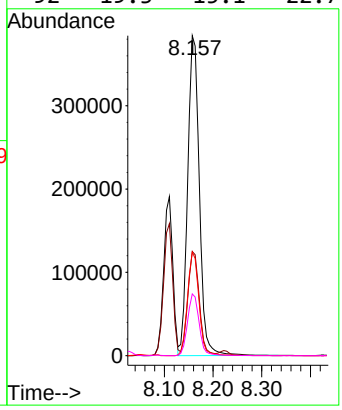


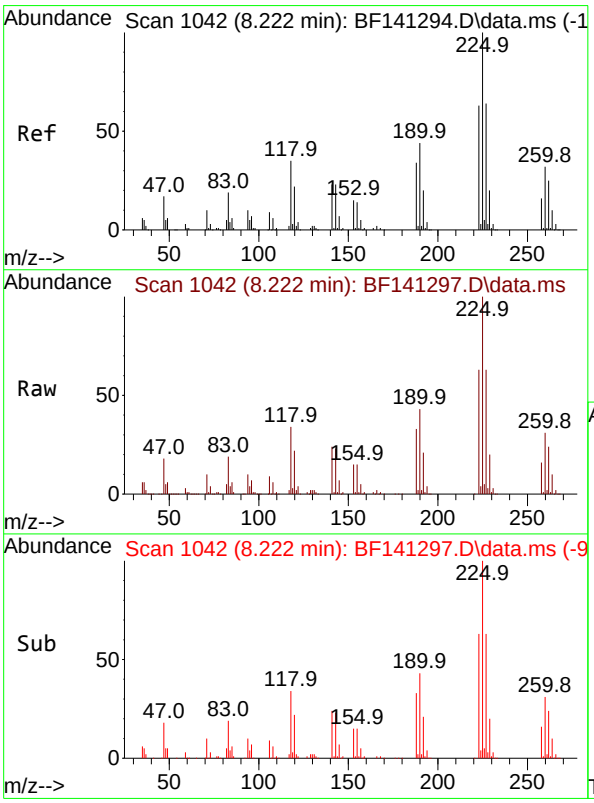
#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 636568

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	32.4	26.4	39.6
92	19.3	15.1	22.7

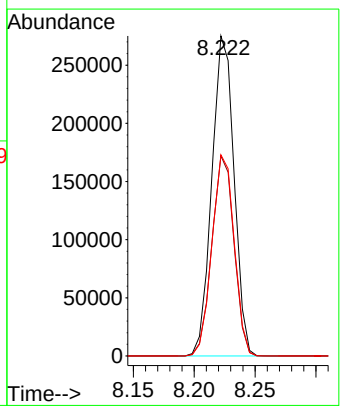


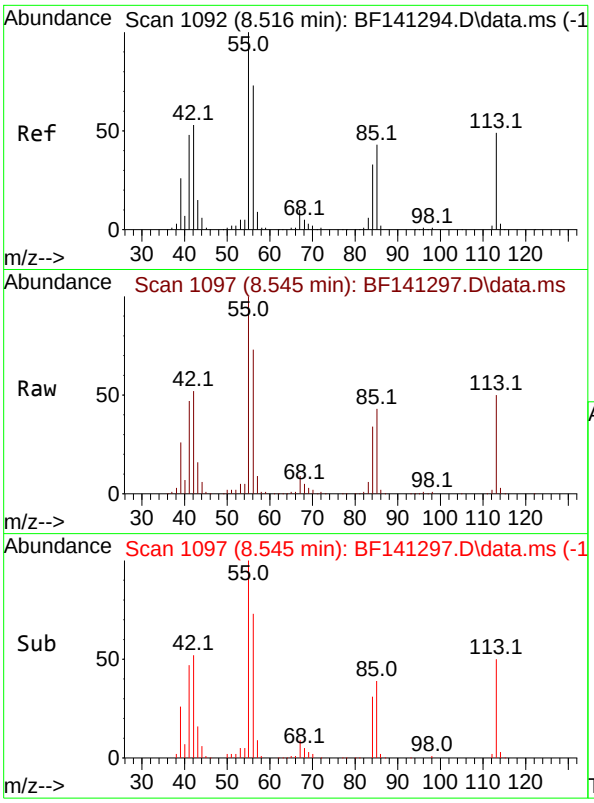


#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:225 Resp: 348822

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.4	75.6
227	62.9	51.3	76.9



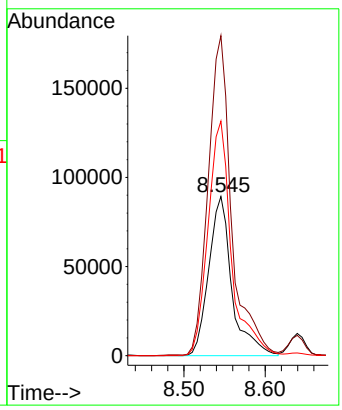


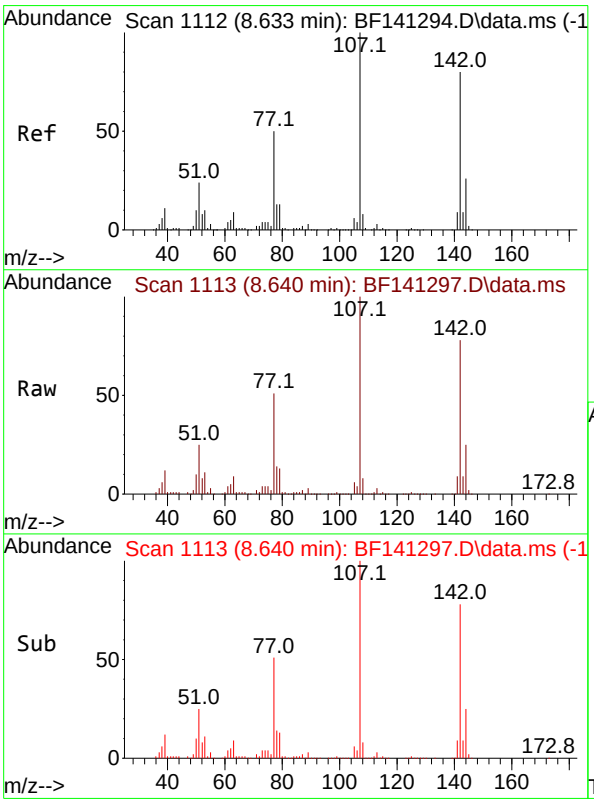
#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 177093

Ion	Ratio	Lower	Upper
113	100		
55	201.0	182.9	222.9
56	147.3	127.9	167.9

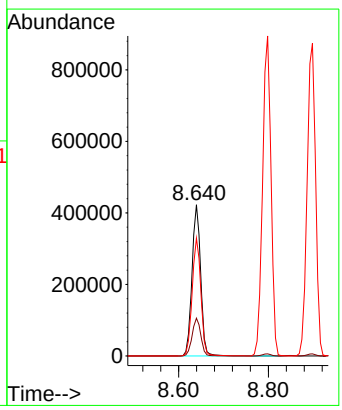


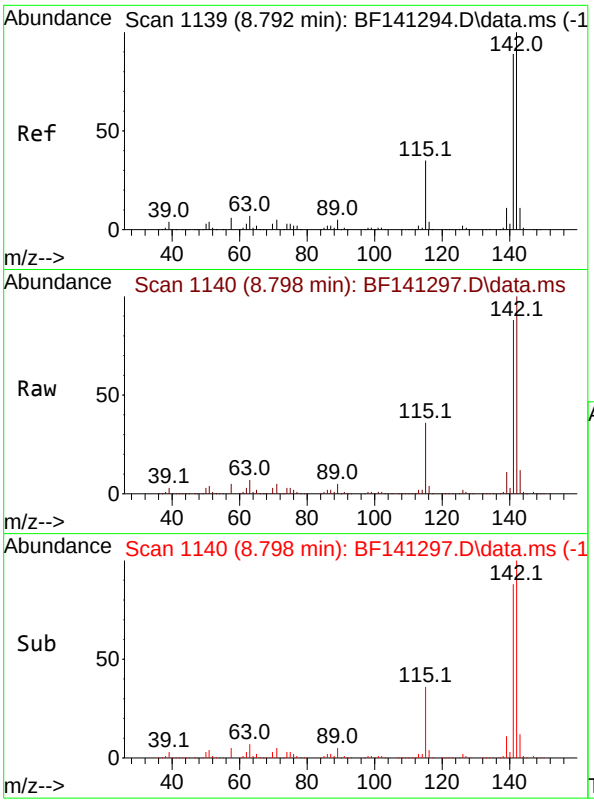


#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 566827

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.7	31.1
142	77.9	63.8	95.8



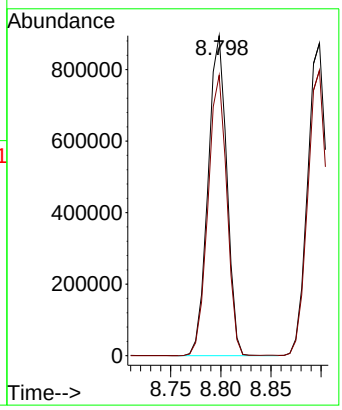


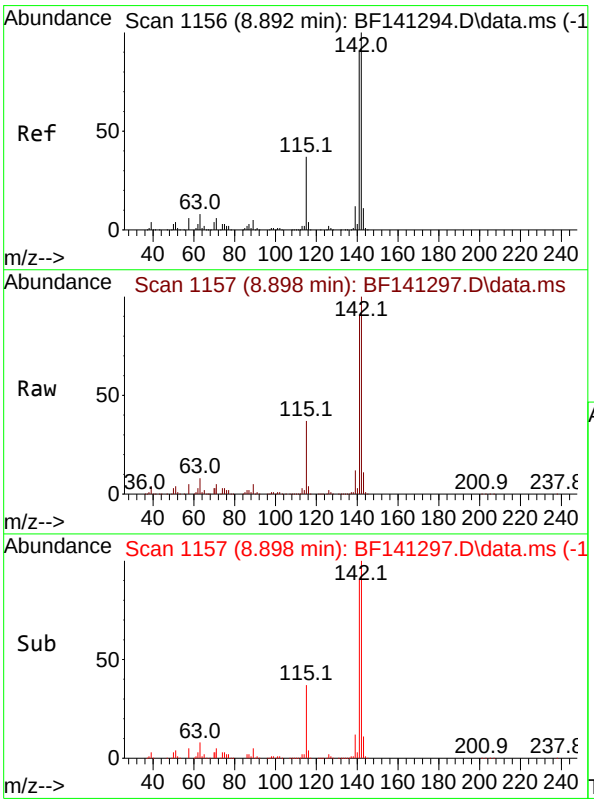
#37
2-Methylnaphthalene
Concen: 67.926 ng
RT: 8.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1165995

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.3	106.9

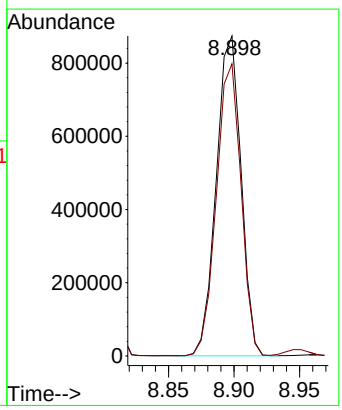


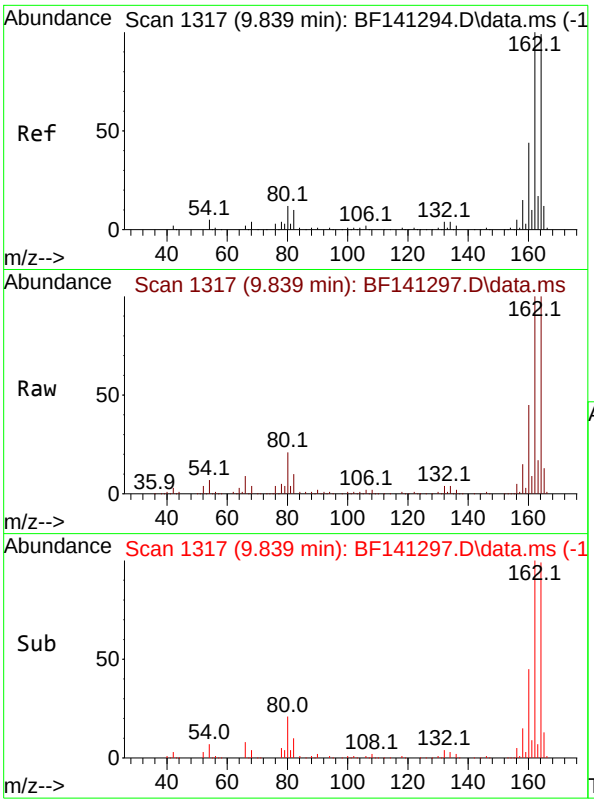


#38
1-Methylnaphthalene
Concen: 67.988 ng
RT: 8.898 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:142 Resp: 1146275

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8



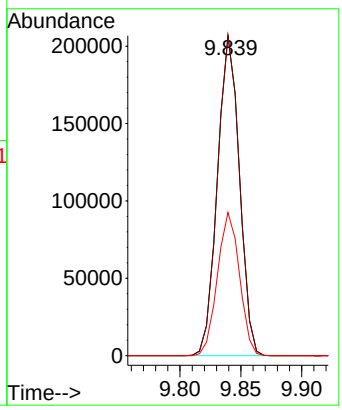


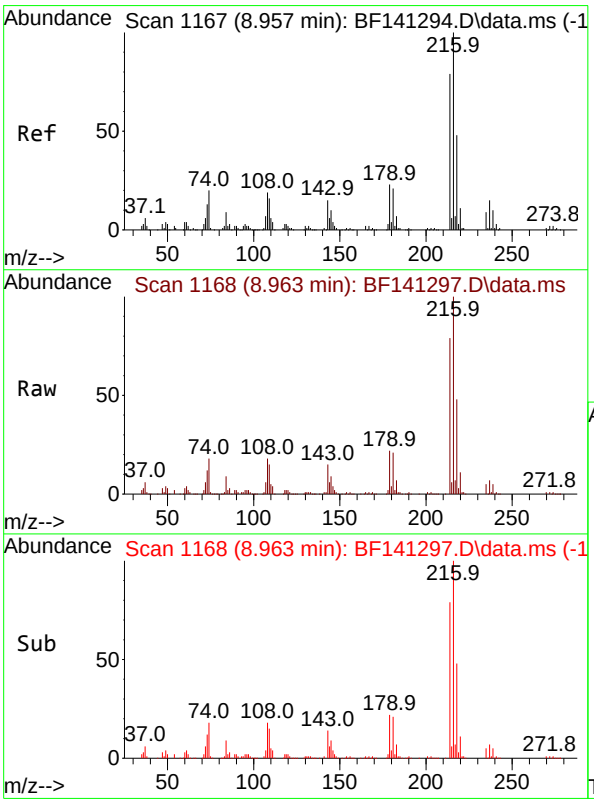
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 259556

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	121.0
160	44.8	35.8	53.6

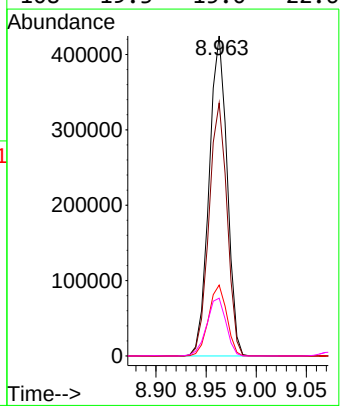


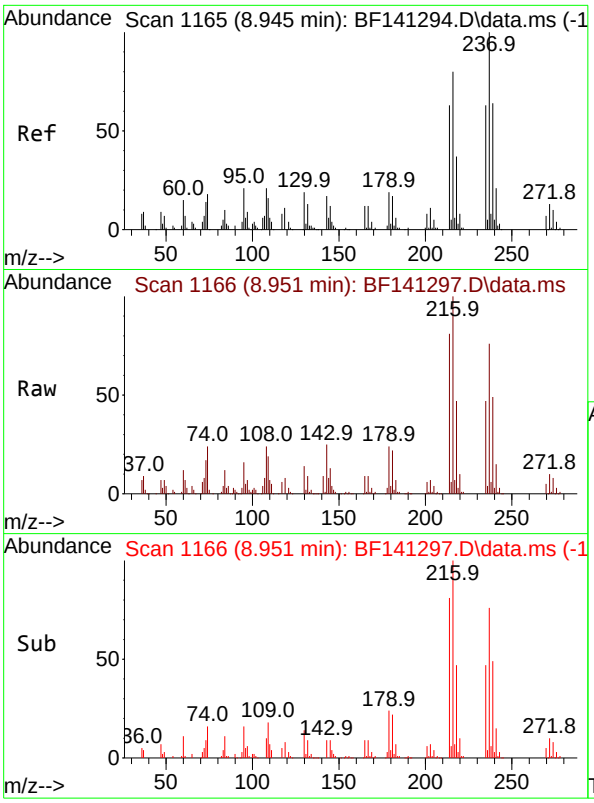


#40
1,2,4,5-Tetrachlorobenzene
Concen: 70.756 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:216 Resp: 531237

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	22.3	17.8	26.8
108	19.3	15.0	22.6



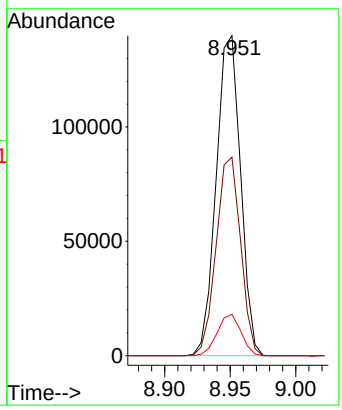


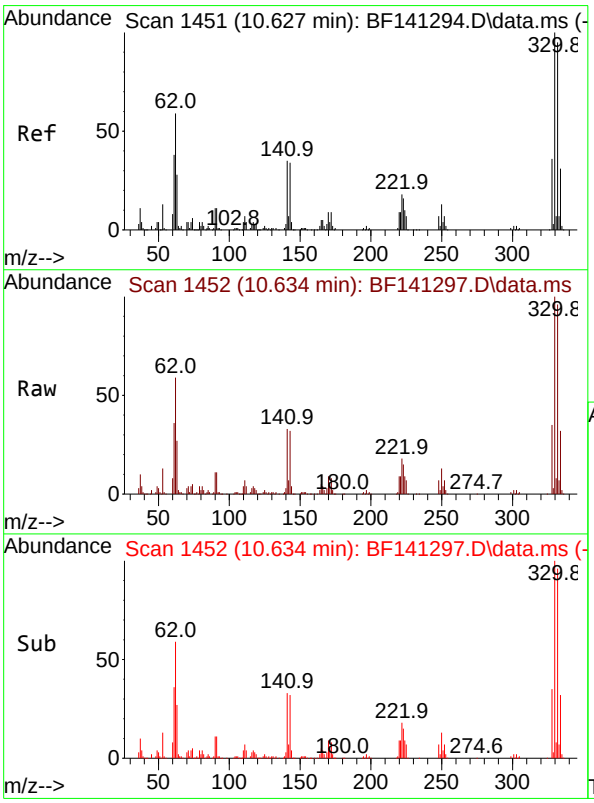
#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 180658

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.9	82.9
272	12.9	0.0	32.8

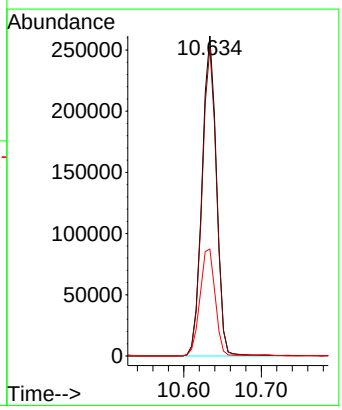


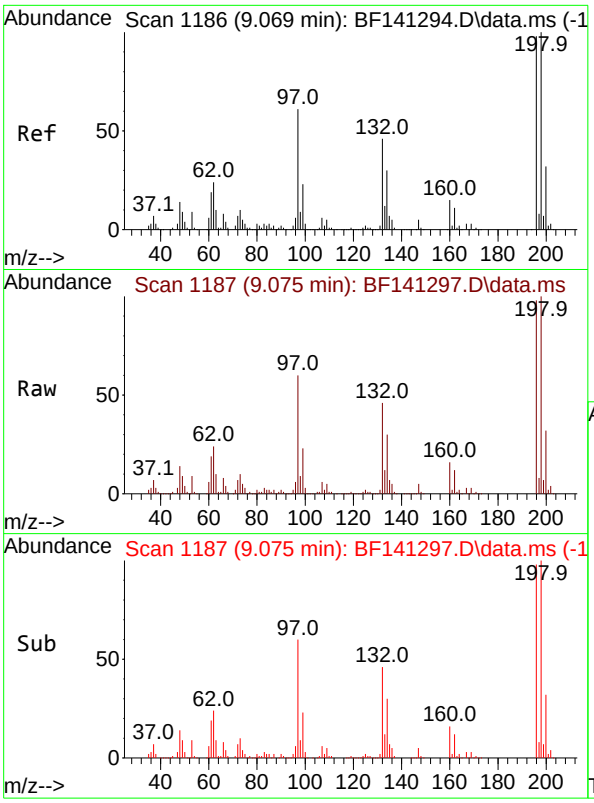


#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:330 Resp: 337670

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.1	114.1
141	35.3	28.8	43.2



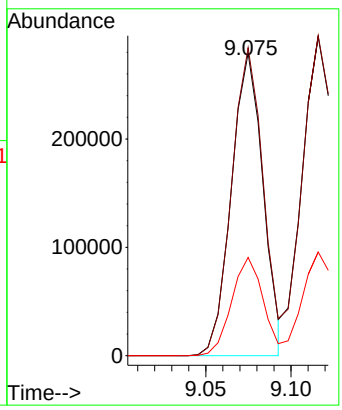


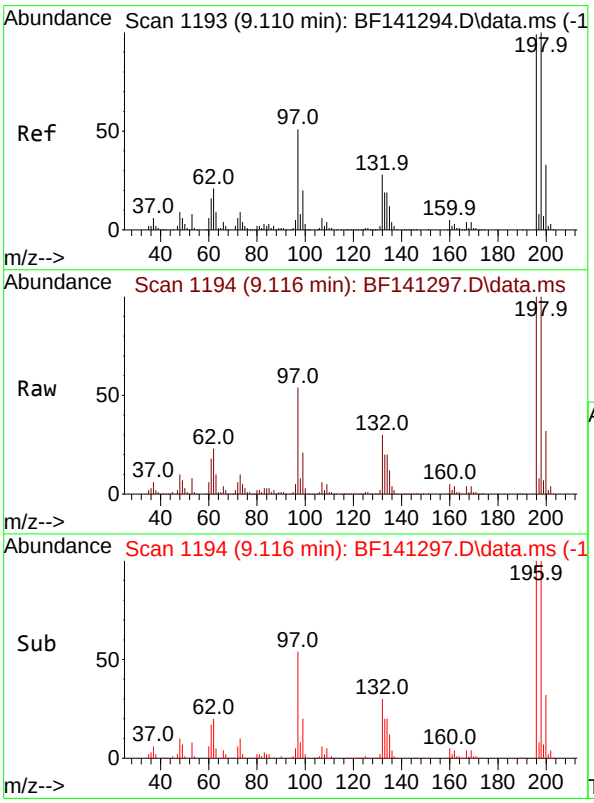
#43
2,4,6-Trichlorophenol
Concen: 73.727 ng
RT: 9.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 360370

Ion	Ratio	Lower	Upper
196	100		
198	101.8	81.8	122.6
200	32.5	26.3	39.5

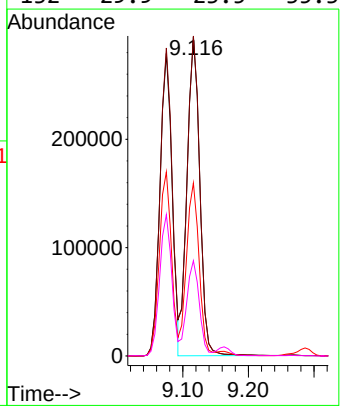


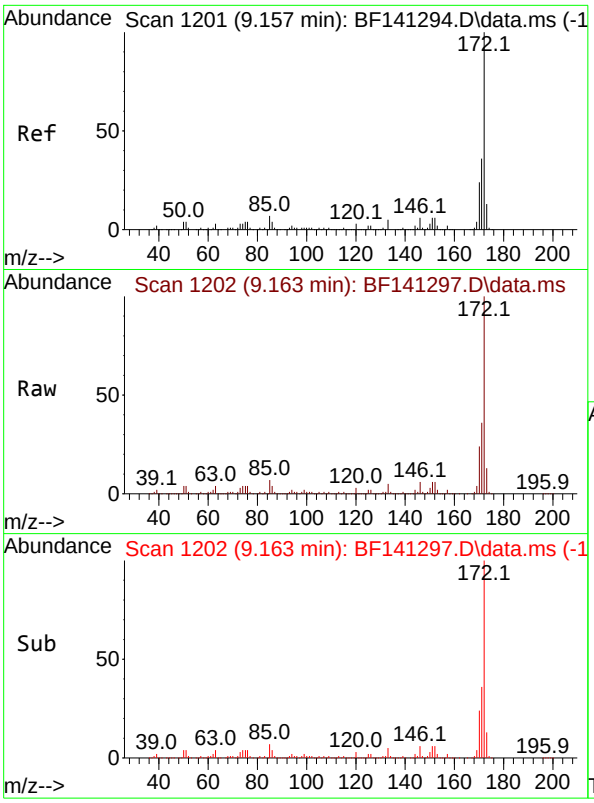


#44
2,4,5-Trichlorophenol
Concen: 74.958 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:196 Resp: 397887

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.5	120.7
97	54.2	42.8	64.2
132	29.9	23.5	35.3



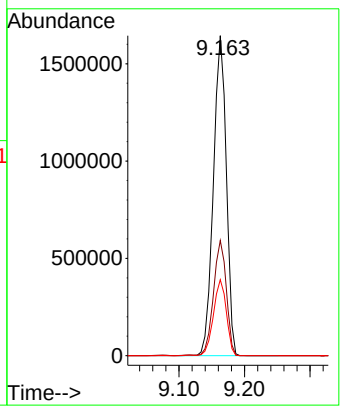


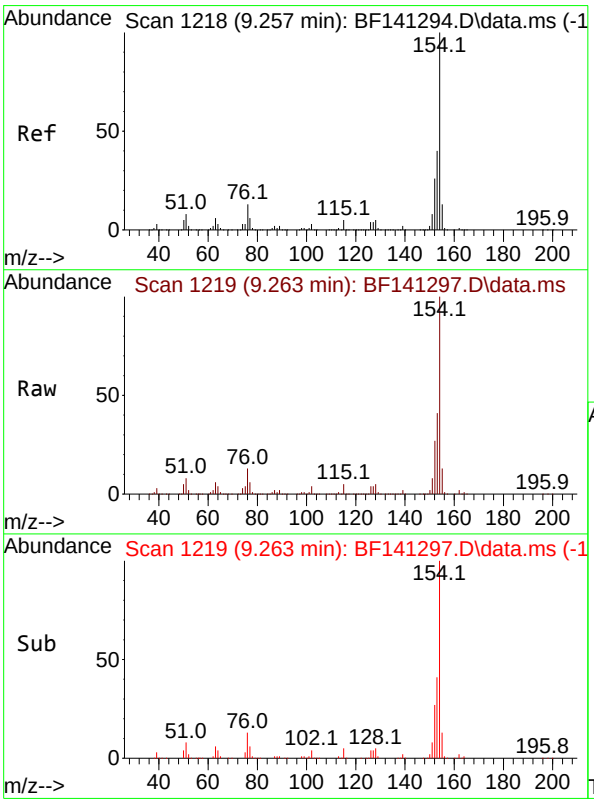
#45
2-Fluorobiphenyl
Concen: 129.739 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 2248567

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.7	19.0	28.6

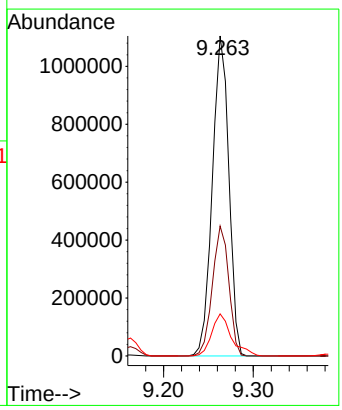


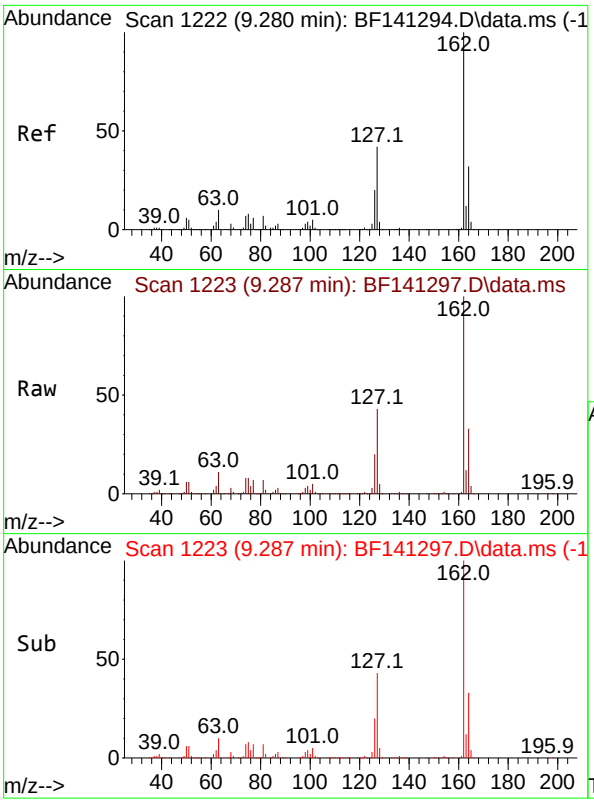


#46
1,1'-Biphenyl
Concen: 68.298 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1412015

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	13.2	0.0	32.8



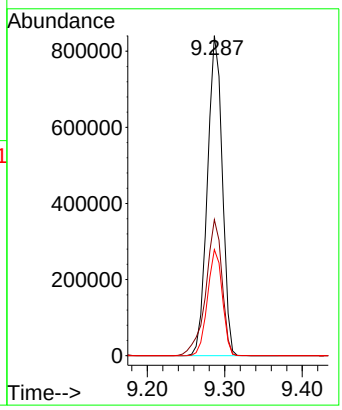


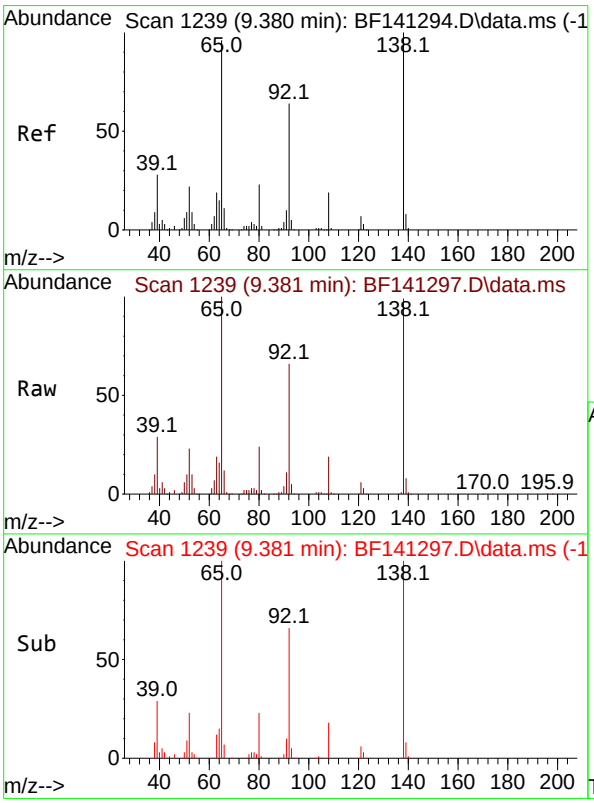
#47
2-Chloronaphthalene
Concen: 69.578 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1118593

Ion	Ratio	Lower	Upper
162	100		
127	42.5	33.7	50.5
164	33.1	25.9	38.9

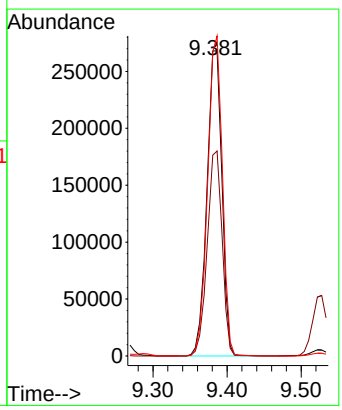


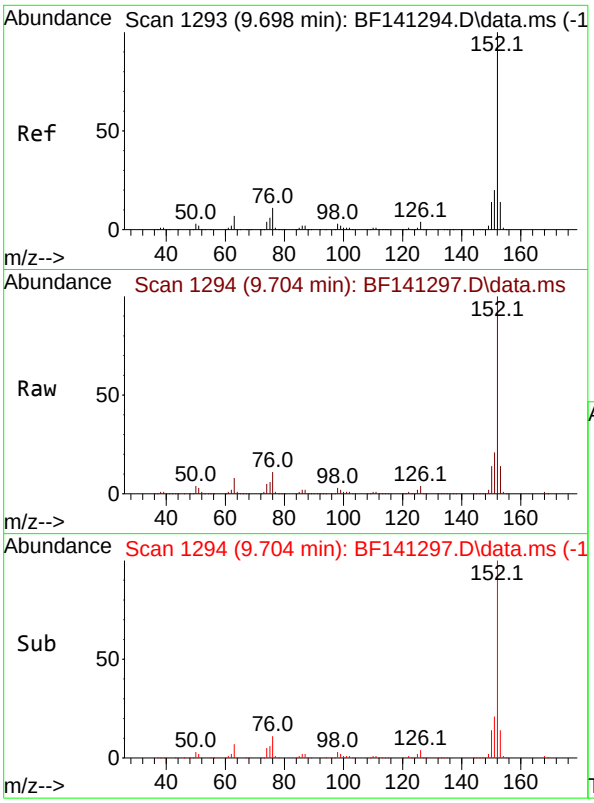


#48
2-Nitroaniline
Concen: 75.652 ng
RT: 9.381 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 65 Resp: 378379

Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.3	79.9
138	99.5	83.6	125.4



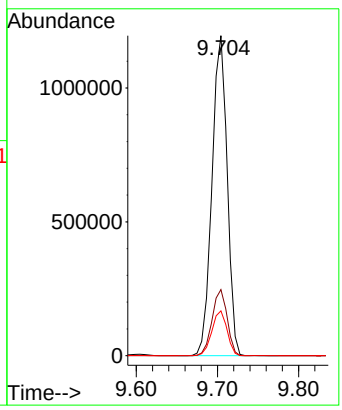


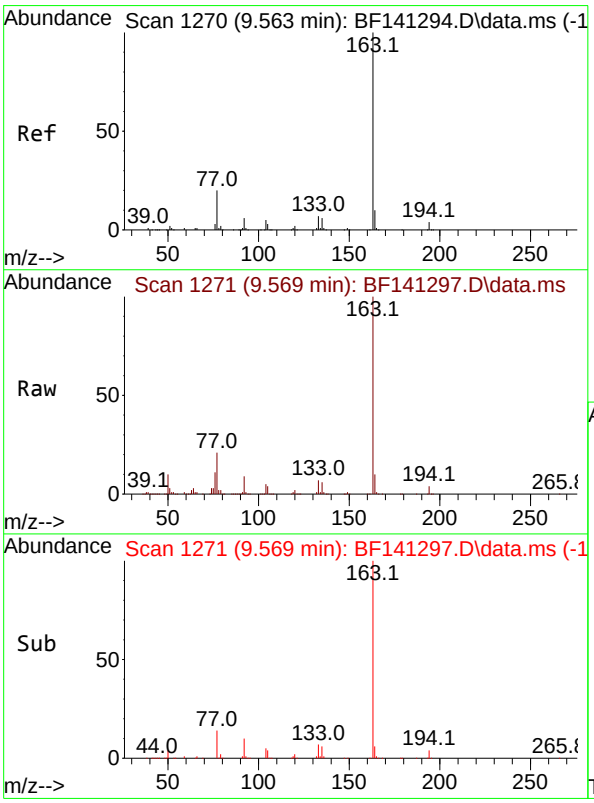
#49
Acenaphthylene
Concen: 68.901 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1552508

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.2
153	14.0	11.0	16.6

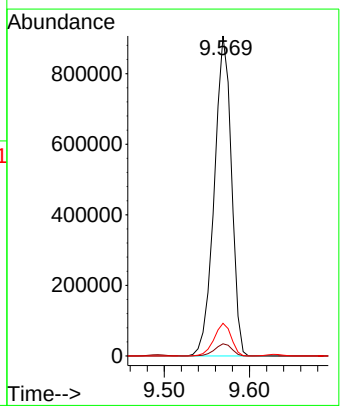


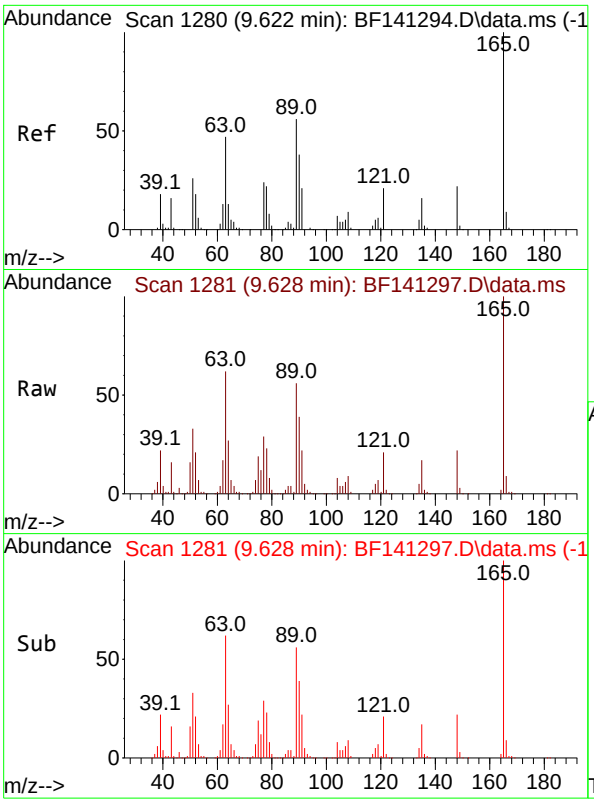


#50
Dimethylphthalate
Concen: 71.308 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:163 Resp: 1269770

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0



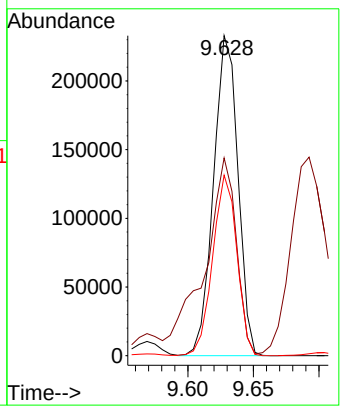


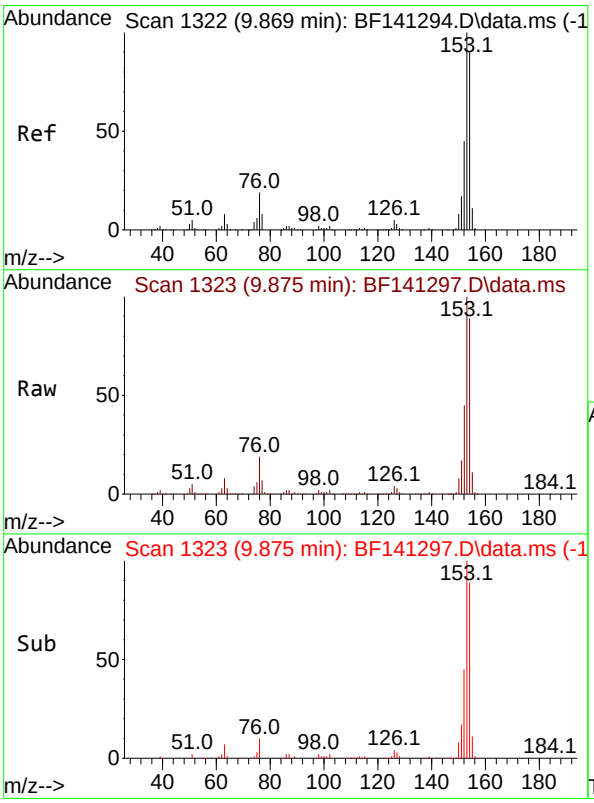
#51
2,6-Dinitrotoluene
Concen: 72.992 ng
RT: 9.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 300867

Ion	Ratio	Lower	Upper
165	100		
63	61.8	48.1	72.1
89	56.4	44.9	67.3

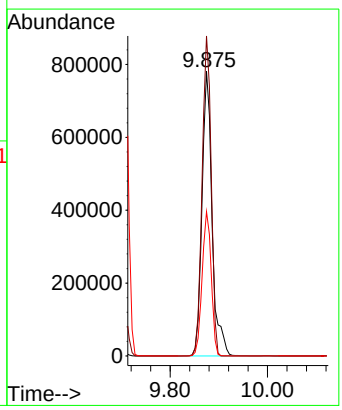


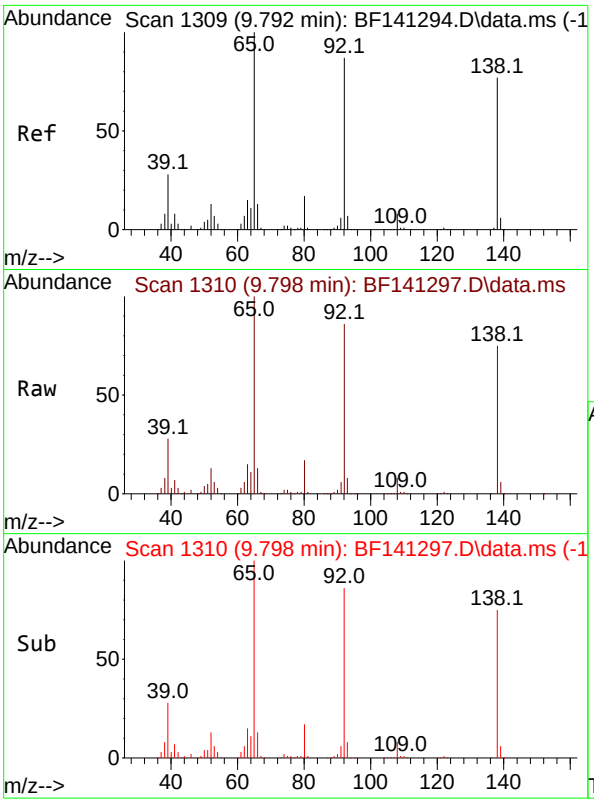


#52
Acenaphthene
Concen: 69.700 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1120345

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.0	133.4
152	50.7	40.2	60.4



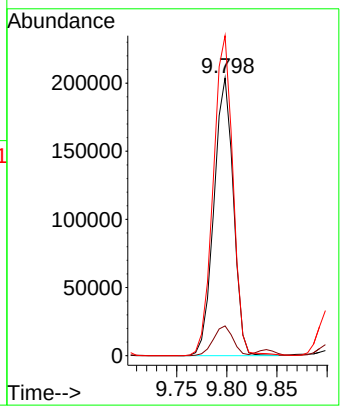


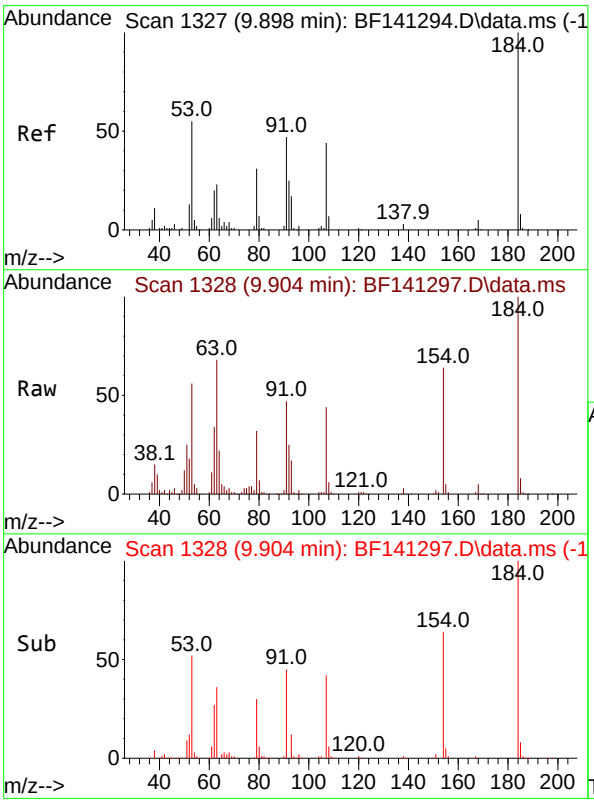
#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 274410

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.2	91.0	136.6

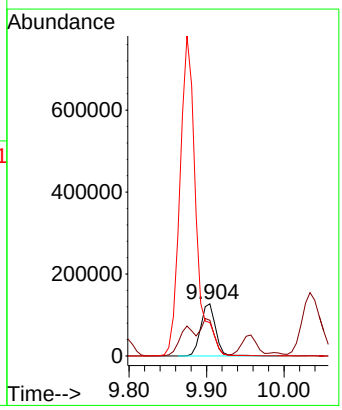


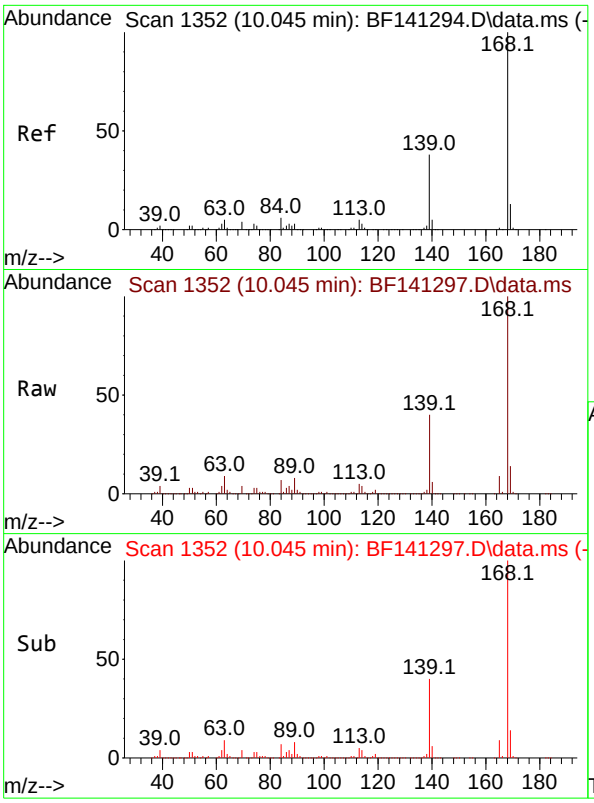


#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:184 Resp: 169946

Ion	Ratio	Lower	Upper
184	100		
63	68.3	54.1	81.1
154	64.0	50.7	76.1



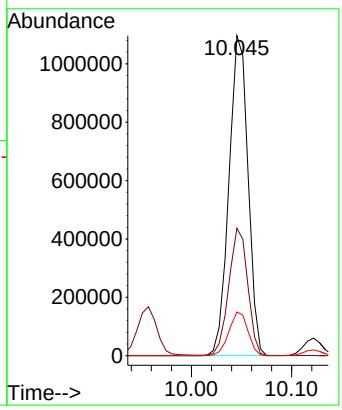


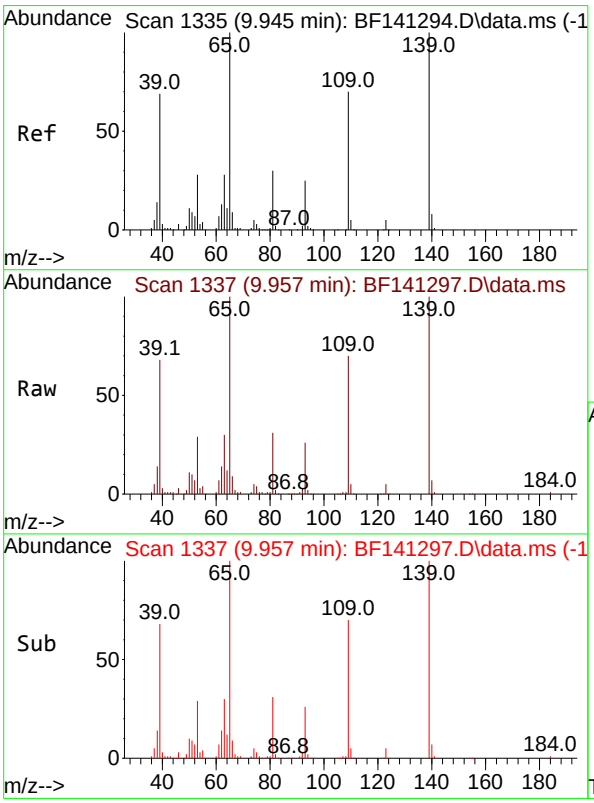
#55
Dibenzofuran
Concen: 67.158 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1451668

Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.6	46.0
169	13.7	10.8	16.2

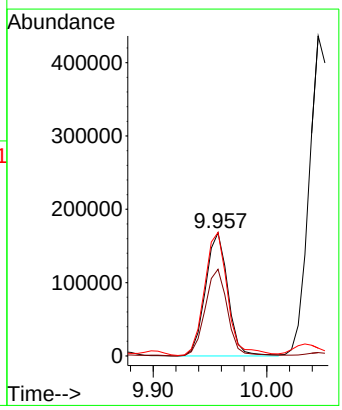


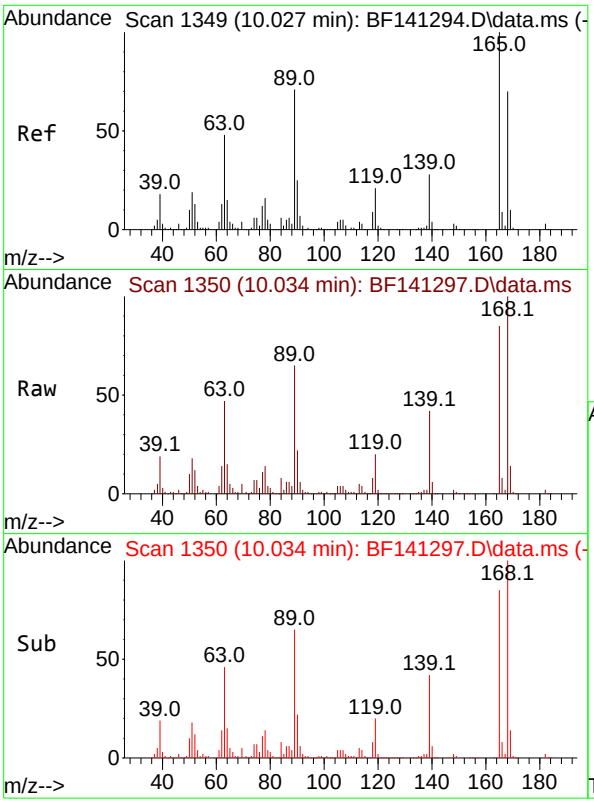


#56
4-Nitrophenol
Concen: 78.788 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 230369

Ion	Ratio	Lower	Upper
139	100		
109	70.4	50.2	90.2
65	100.3	80.6	120.6



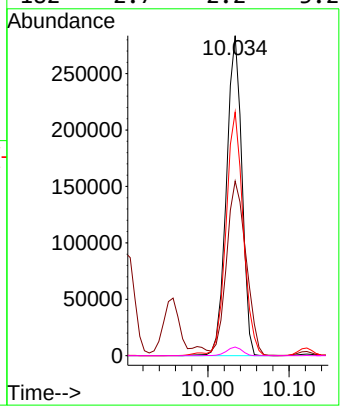


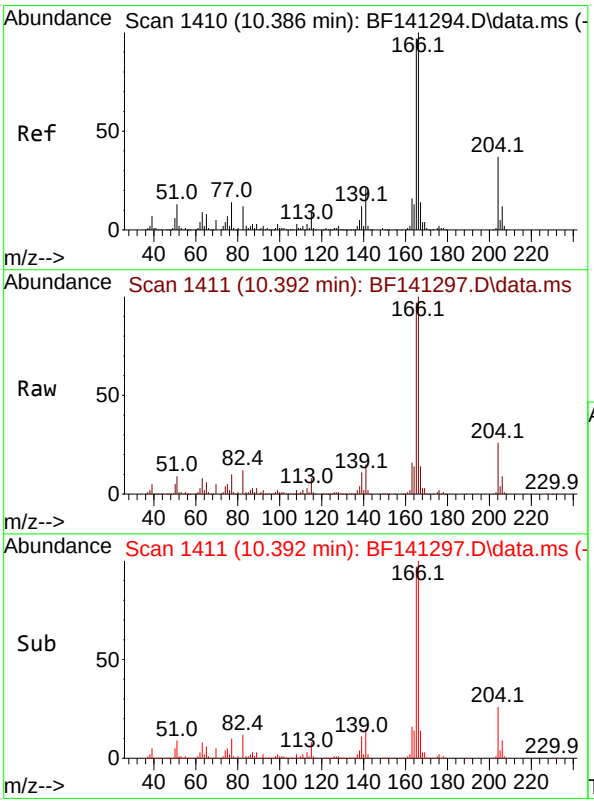
#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 375659

Ion	Ratio	Lower	Upper
165	100		
63	54.5	39.2	58.8
89	76.1	56.9	85.3
182	2.7	2.2	3.2

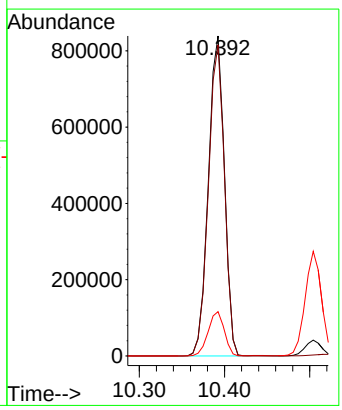


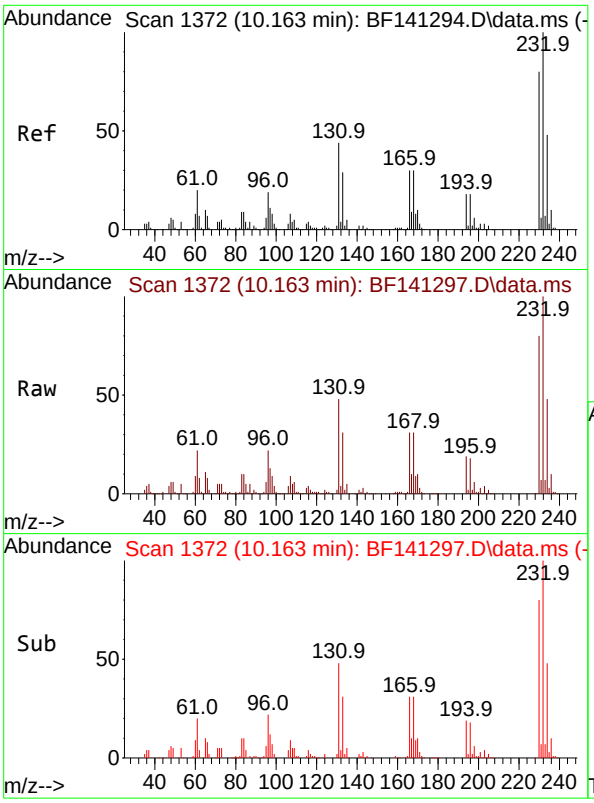


#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:166 Resp: 1099129

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.5	116.3
167	13.9	10.9	16.3



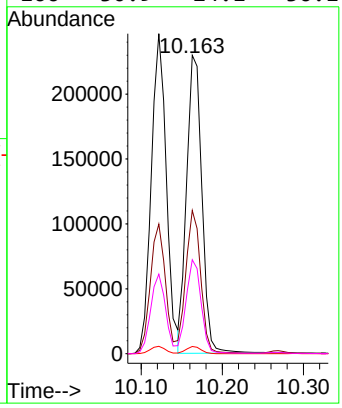


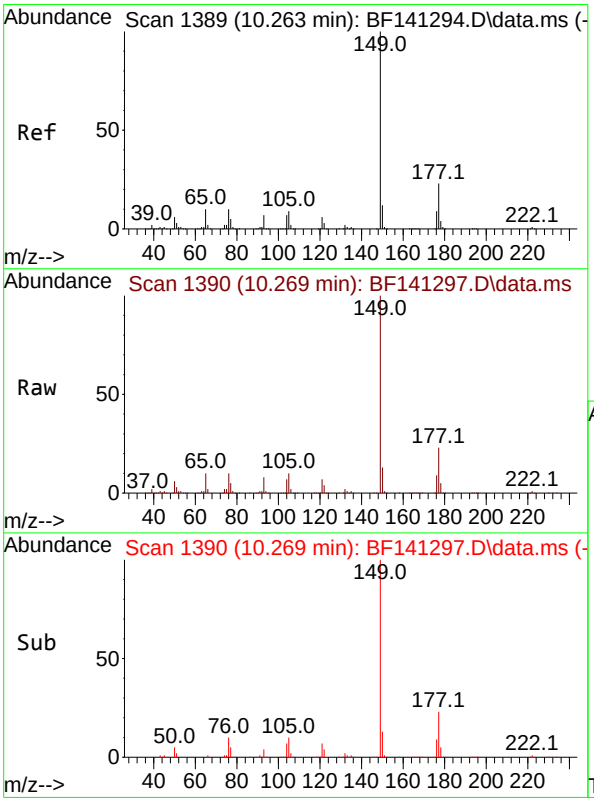
#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 302300

Ion	Ratio	Lower	Upper
232	100		
131	47.5	36.4	54.6
130	2.4	1.9	2.9
166	30.9	24.1	36.1

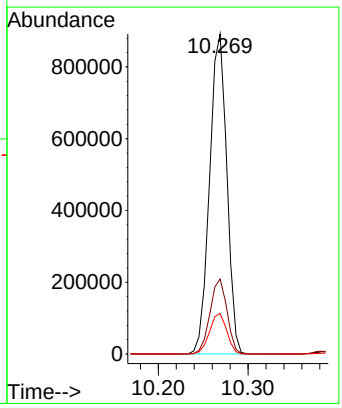


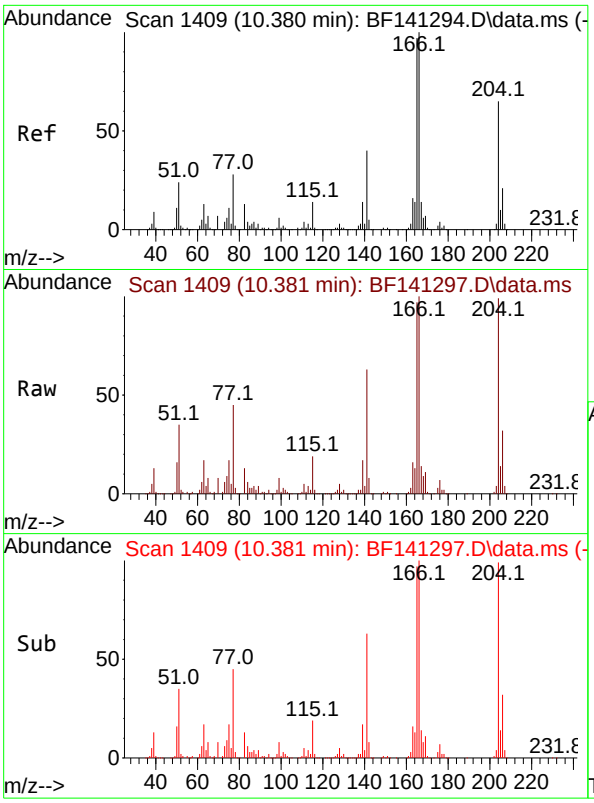


#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1189833

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.5	27.7
150	12.7	10.0	15.0



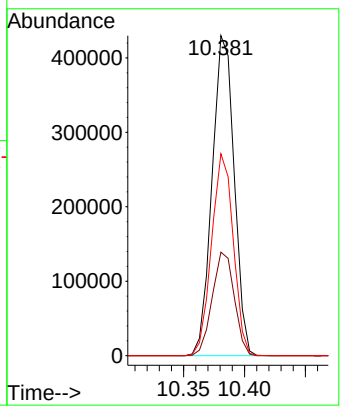


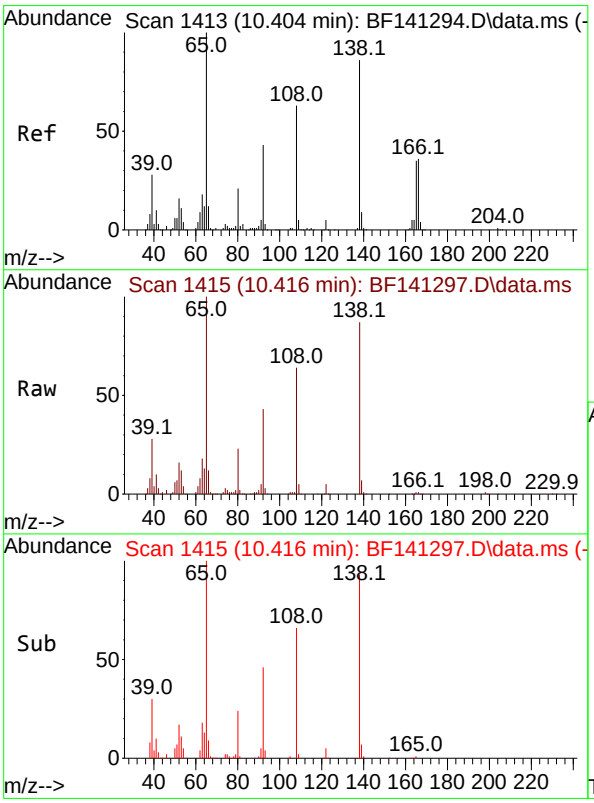
#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 541468

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	63.1	49.5	74.3

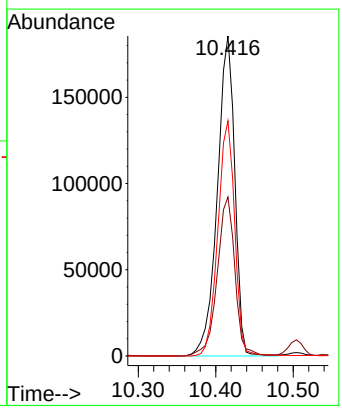


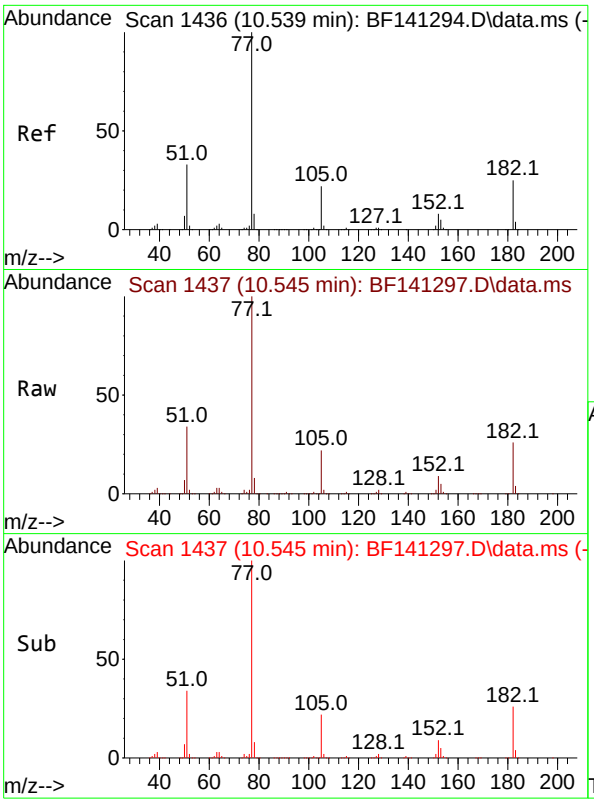


#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:138 Resp: 292019

Ion	Ratio	Lower	Upper
138	100		
92	49.7	30.1	70.1
108	73.5	53.1	93.1



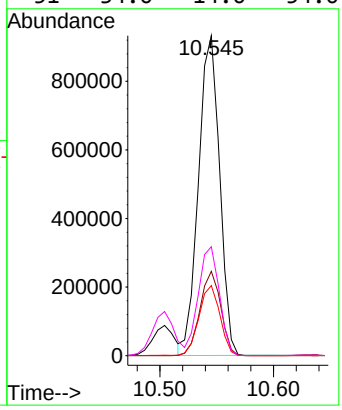


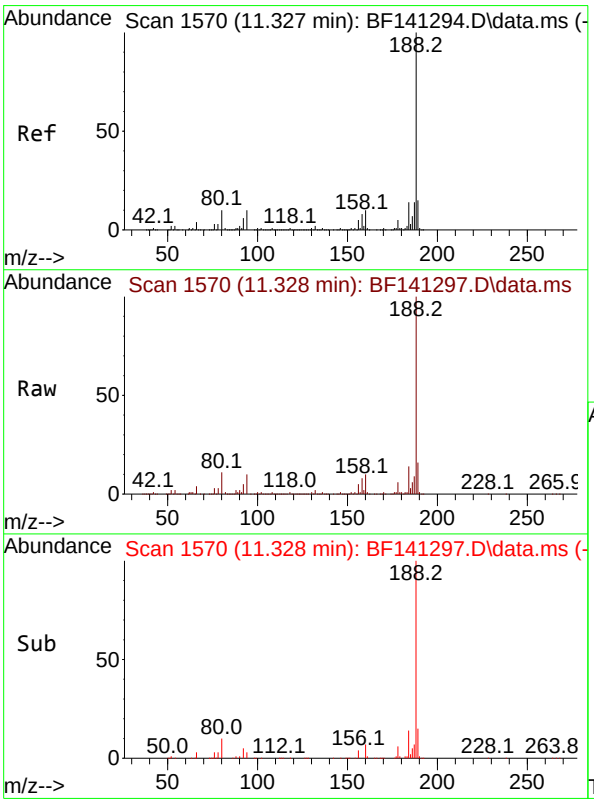
#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1206328

Ion	Ratio	Lower	Upper
77	100		
182	26.3	5.1	45.1
105	21.9	1.8	41.8
51	34.0	14.0	54.0

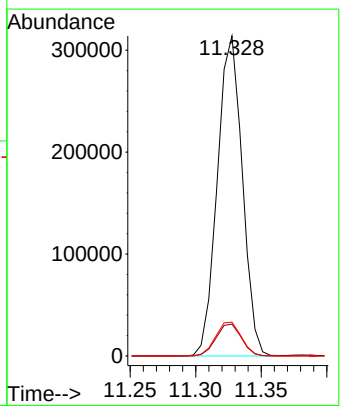


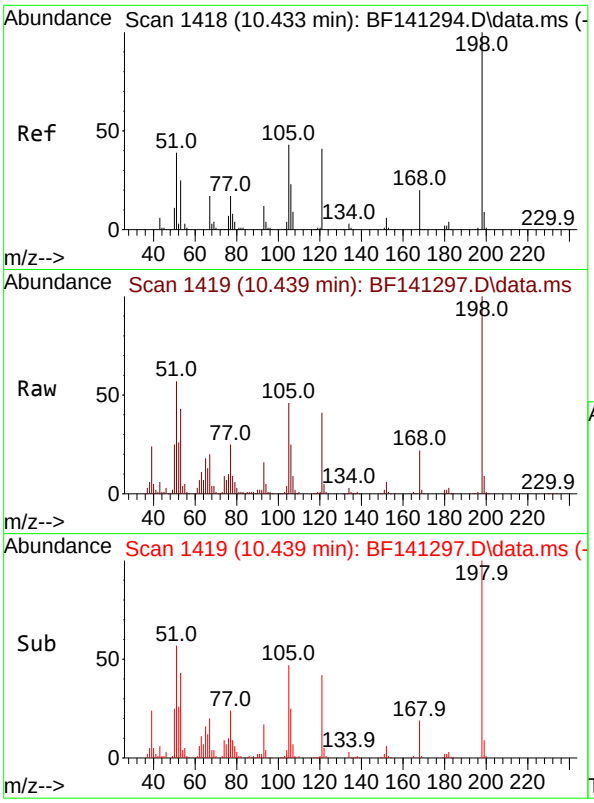


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:188 Resp: 415634

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.6	8.2	12.4



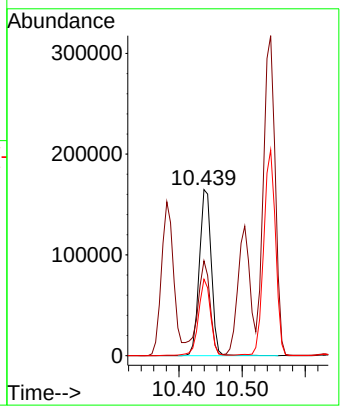


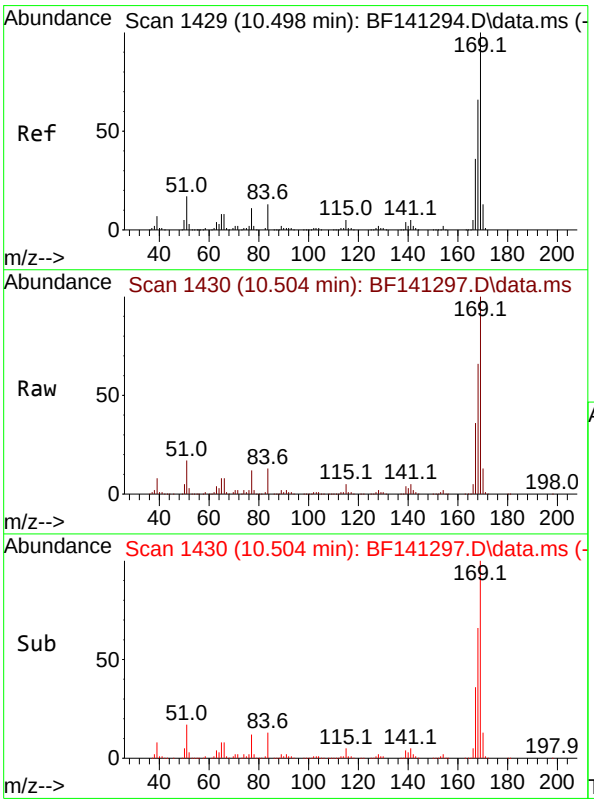
#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 217265

Ion	Ratio	Lower	Upper
198	100		
51	57.1	33.4	73.4
105	46.0	24.4	64.4

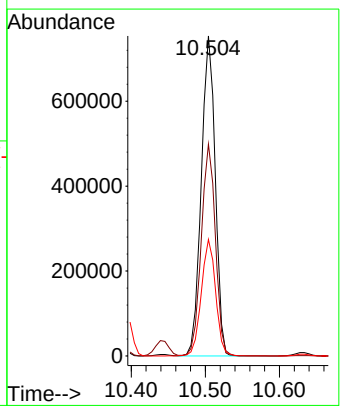


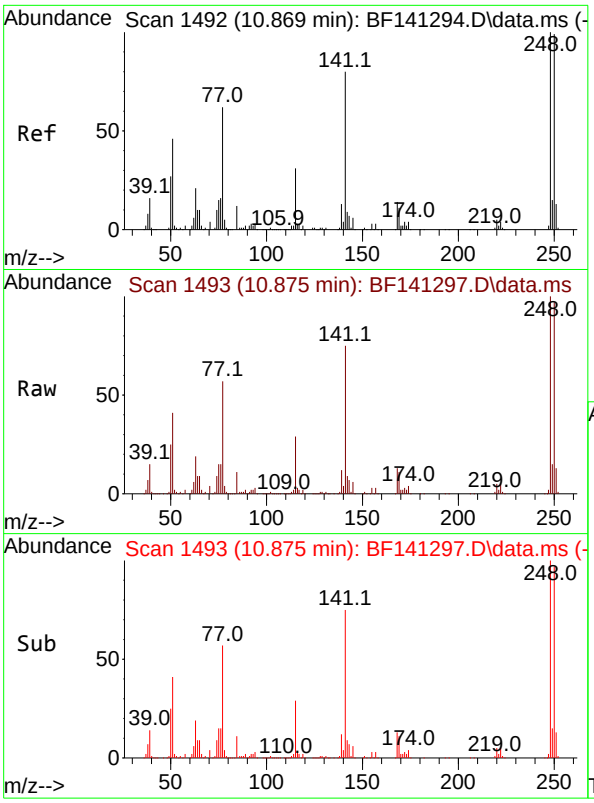


#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:169 Resp: 986121

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.4	28.8	43.2



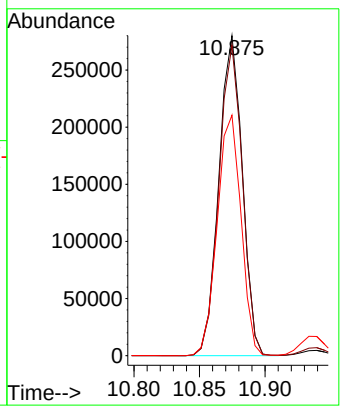


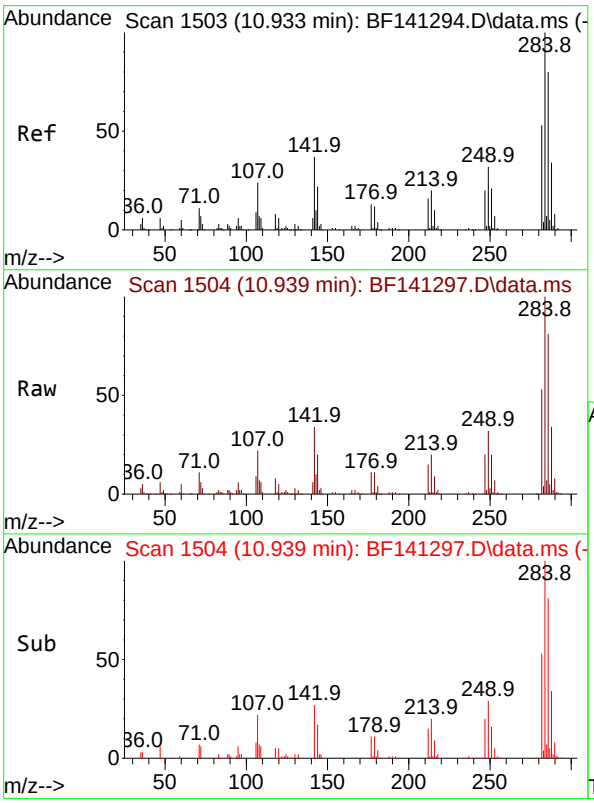
#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 348615

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	75.1	63.7	95.5

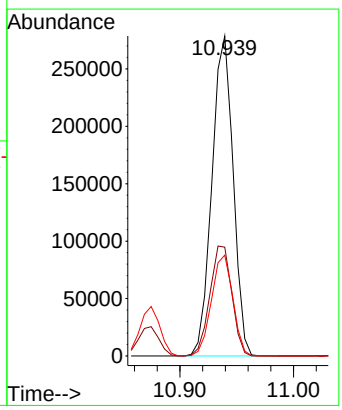


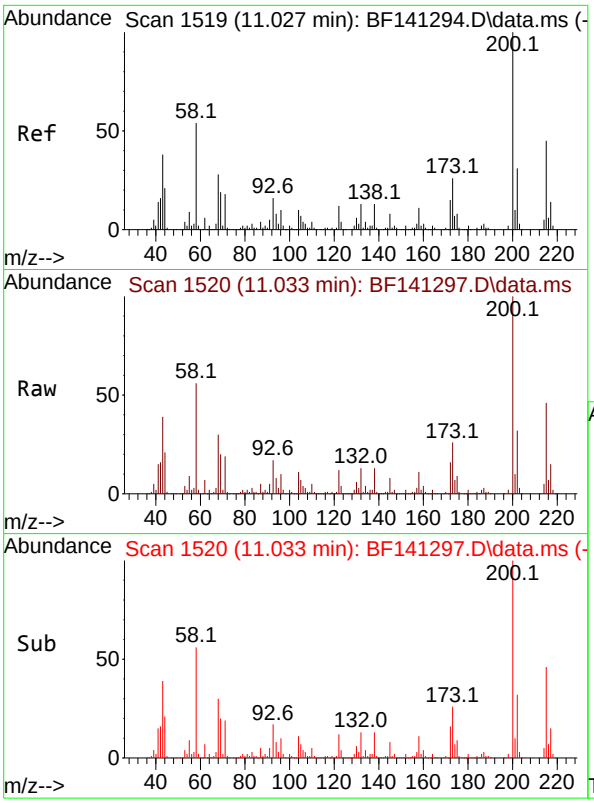


#68
Hexachlorobenzene
Concen: 72.215 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:284 Resp: 361469

Ion	Ratio	Lower	Upper
284	100		
142	34.0	29.5	44.3
249	31.5	25.4	38.2



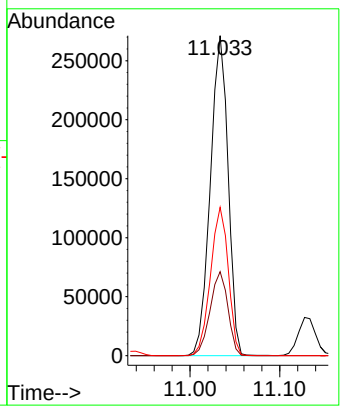


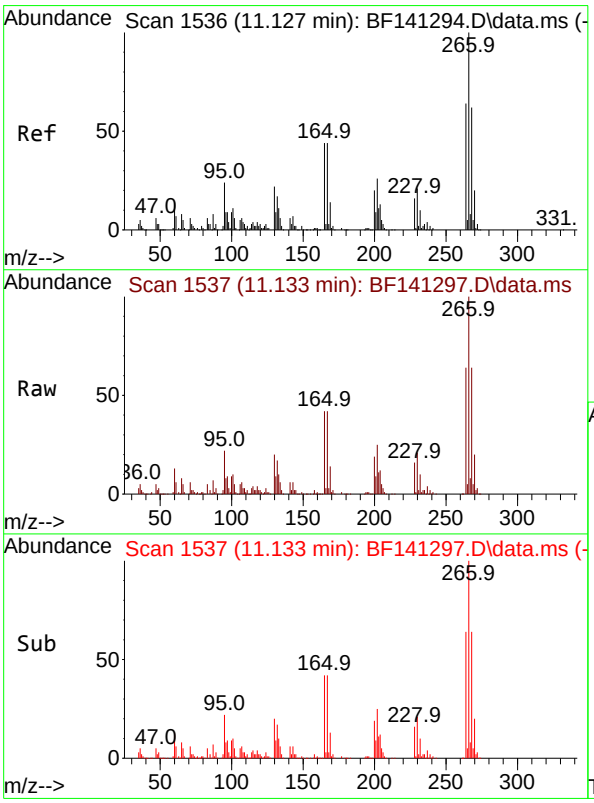
#69
Atrazine
Concen: 83.452 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 372792

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.9	45.9
215	46.4	25.2	65.2

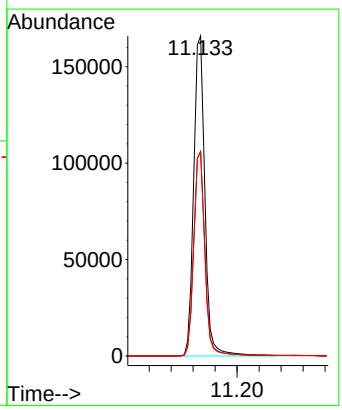


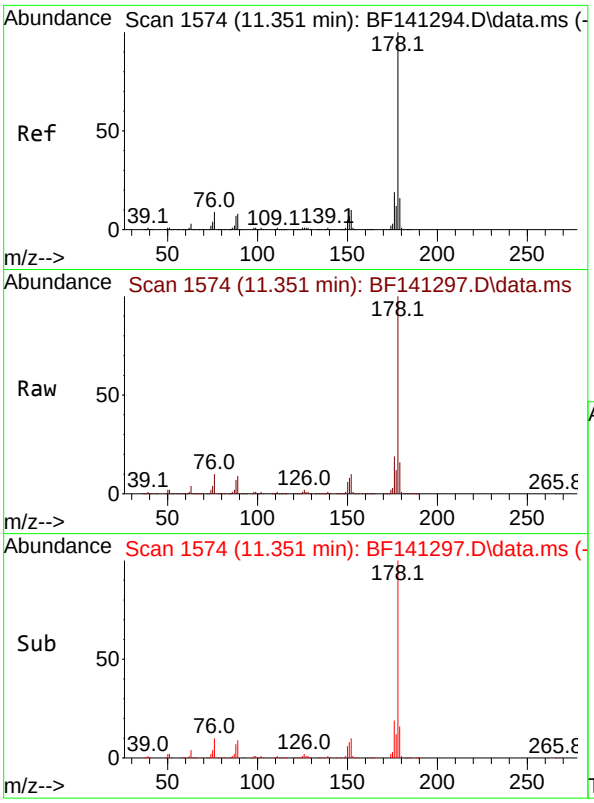


#70
Pentachlorophenol
Concen: 81.539 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:266 Resp: 235030

Ion	Ratio	Lower	Upper
266	100		
268	64.0	49.9	74.9
264	63.7	51.0	76.4



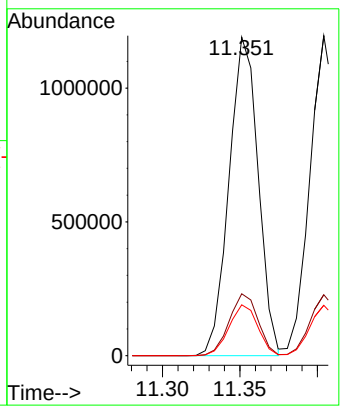


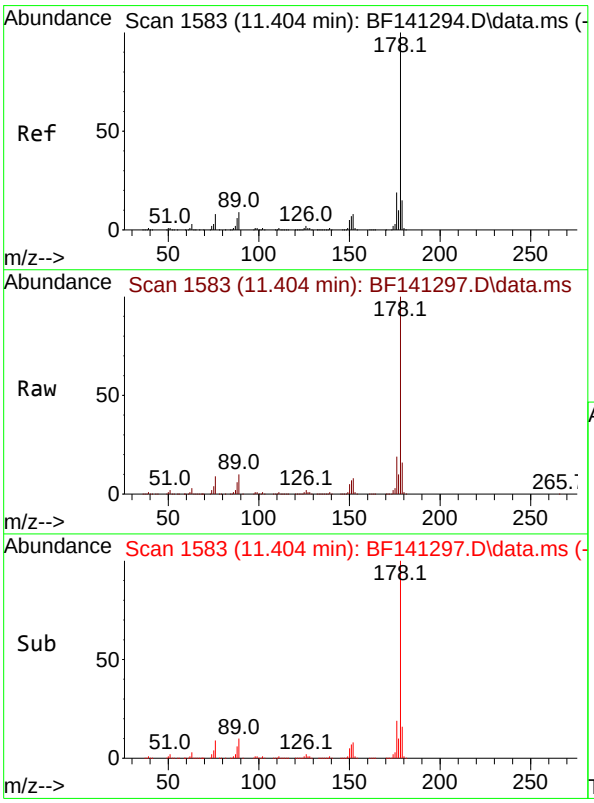
#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1557660

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.0	12.5	18.7

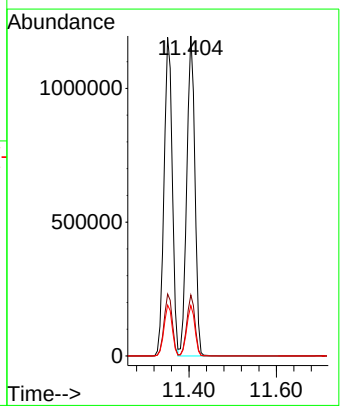


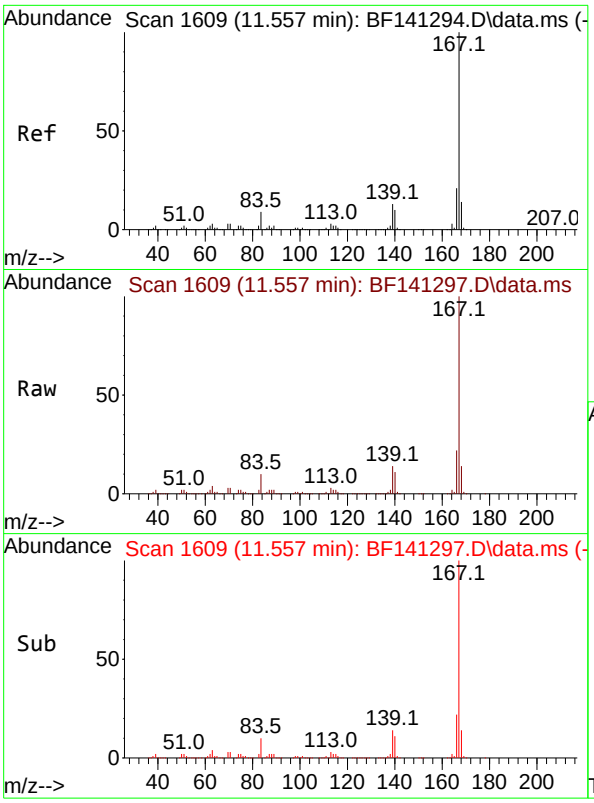


#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:178 Resp: 1535860

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.8	12.3	18.5



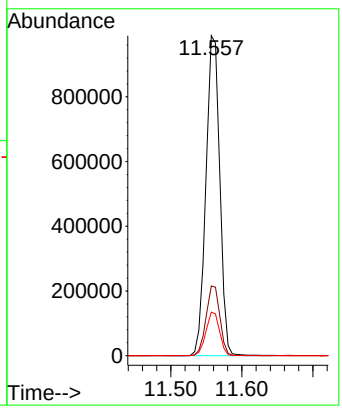


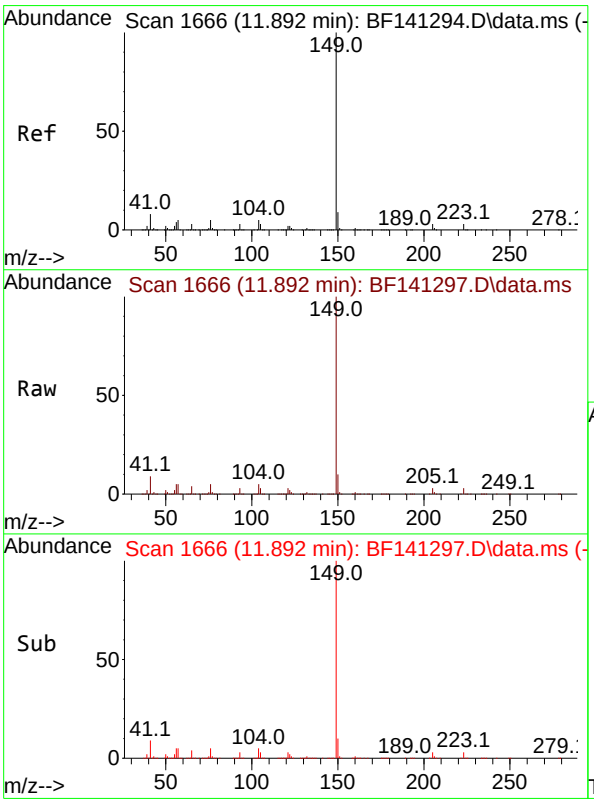
#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1342447

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.6	10.6	16.0

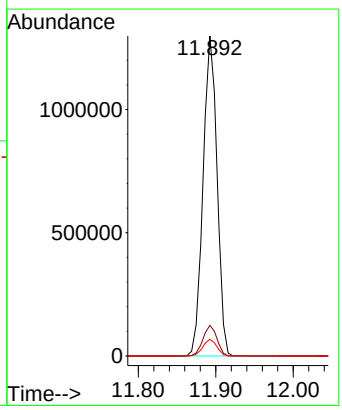


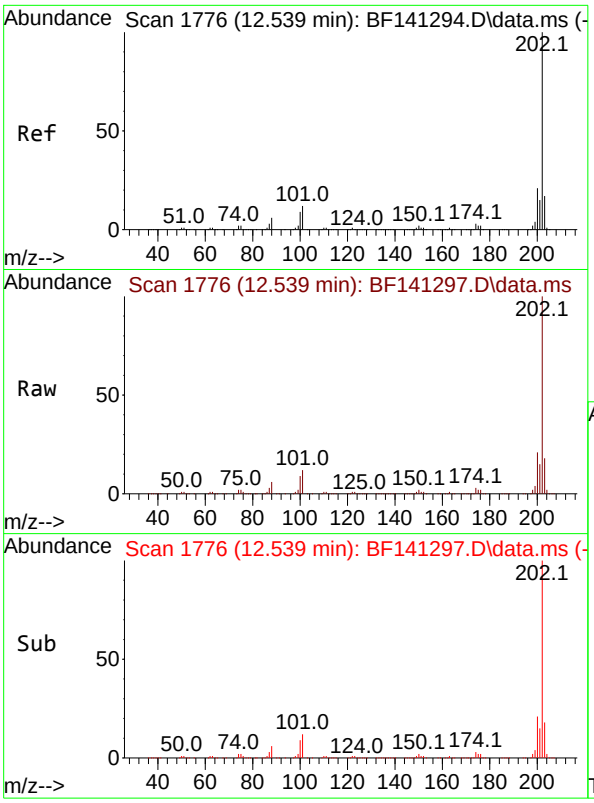


#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1626342

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	5.2	3.9	5.9



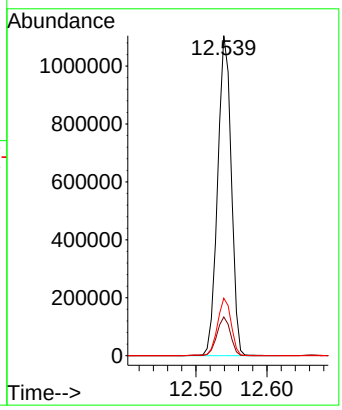


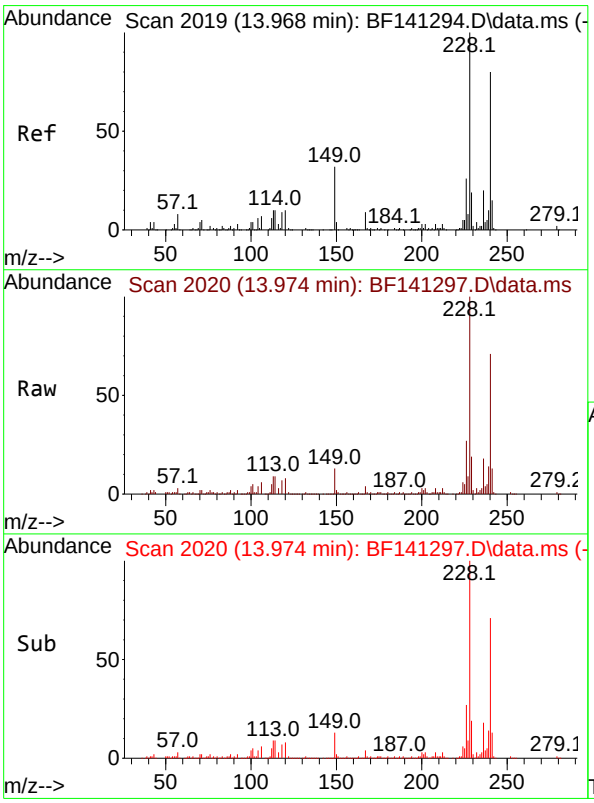
#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1463196

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.7
203	18.0	0.0	37.5

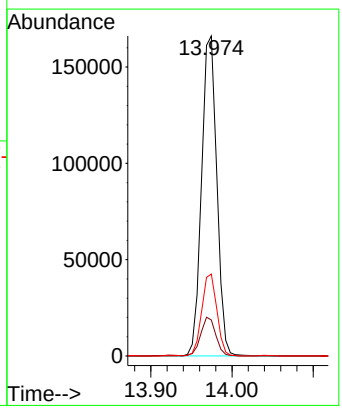


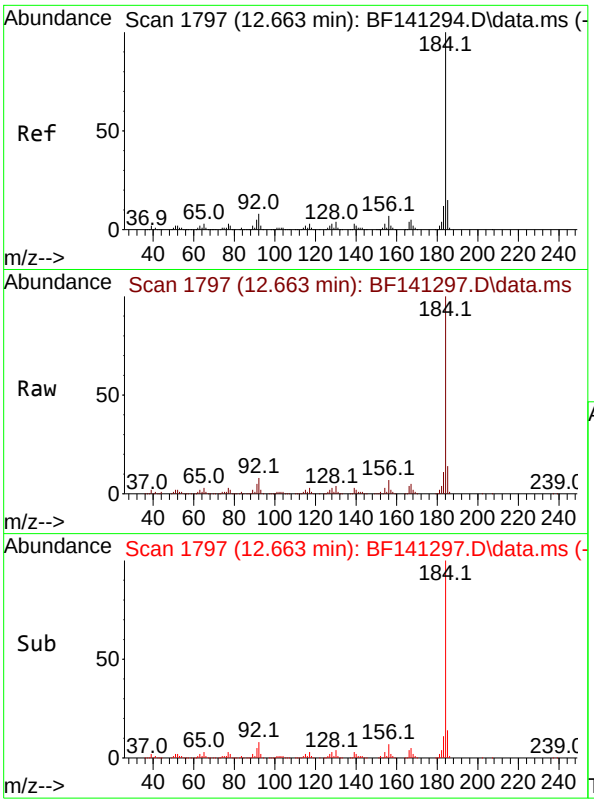


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:240 Resp: 216592

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.0	15.0
236	25.6	19.7	29.5



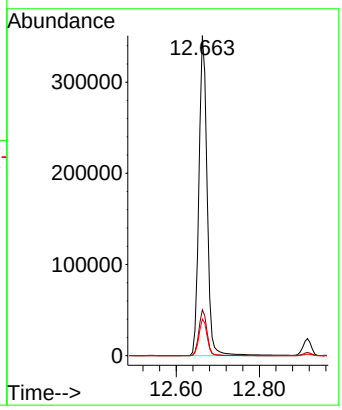


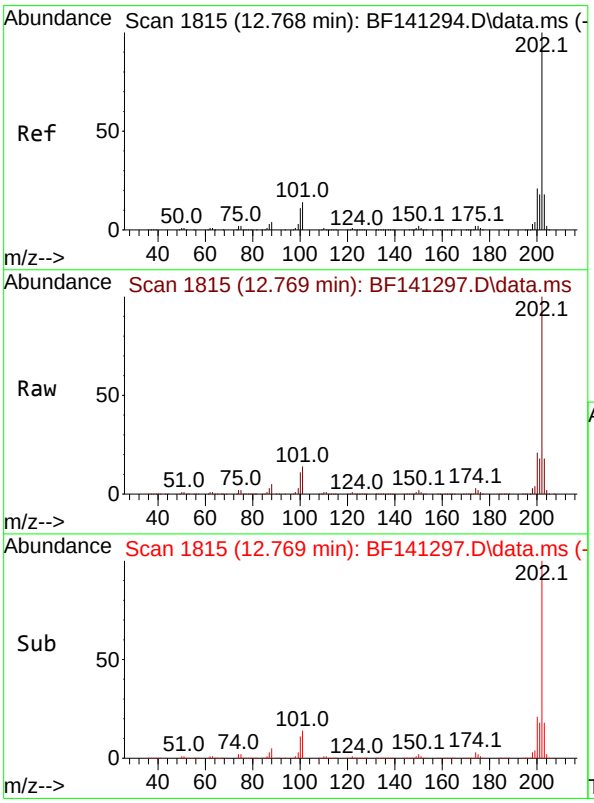
#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 481470

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.9	17.9
183	11.5	9.5	14.3

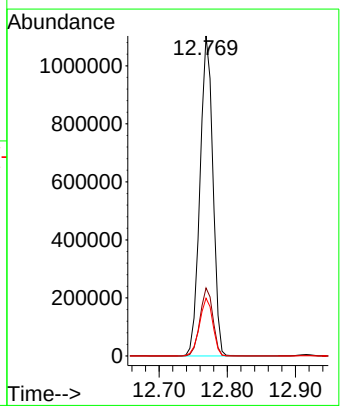


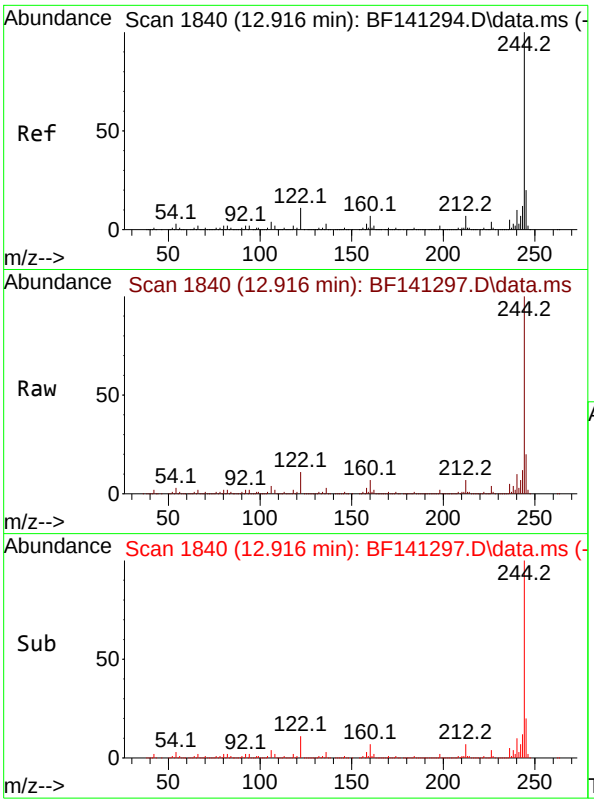


#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:202 Resp: 1450076

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.0	14.3	21.5



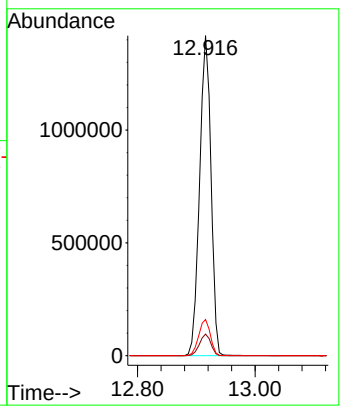


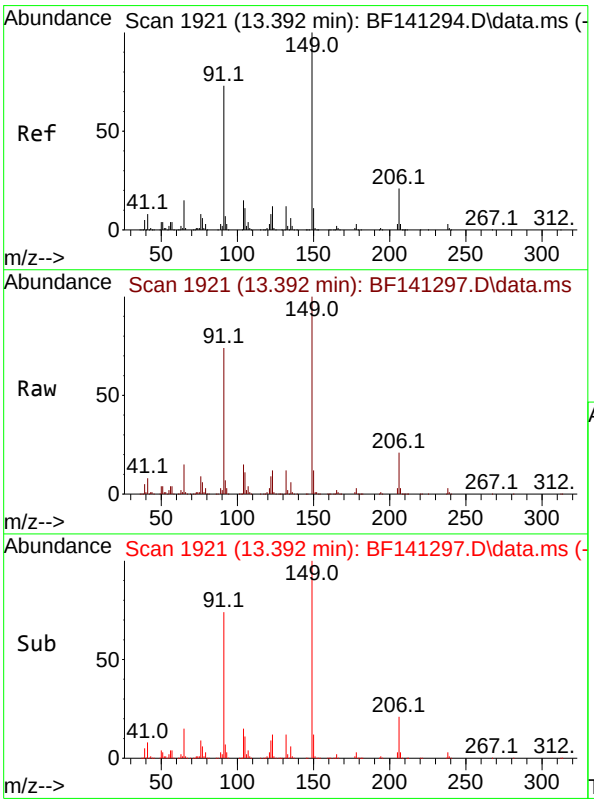
#79
Terphenyl-d14
Concen: 132.741 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1910783

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.3	8.8	13.2

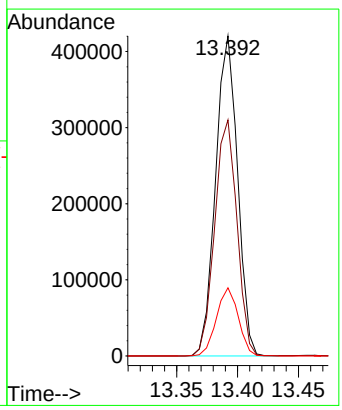


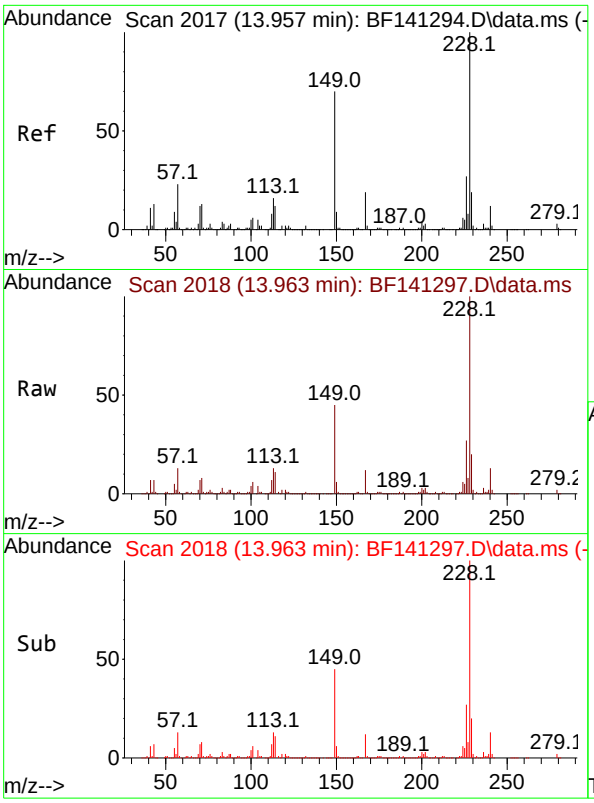


#80
Butylbenzylphthalate
Concen: 71.721 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 528754

Ion	Ratio	Lower	Upper
149	100		
91	73.8	58.6	87.8
206	21.3	16.7	25.1



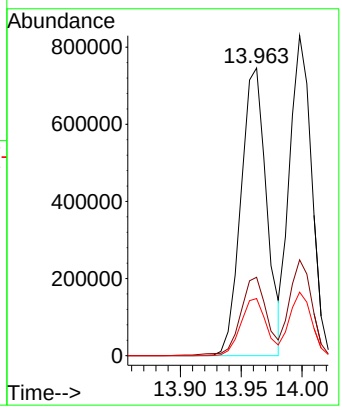


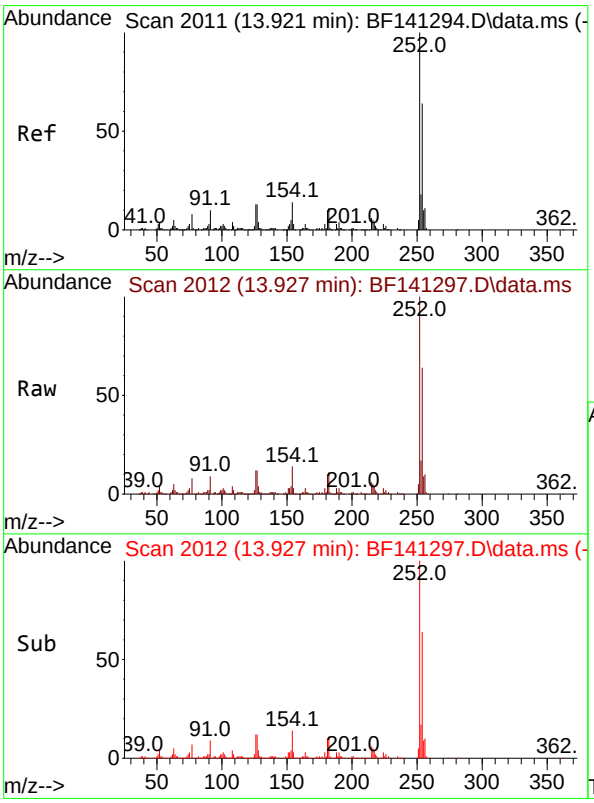
#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1095972

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	19.8	15.5	23.3

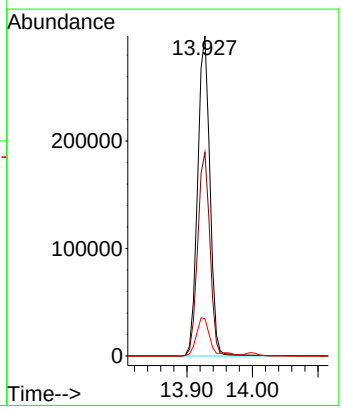


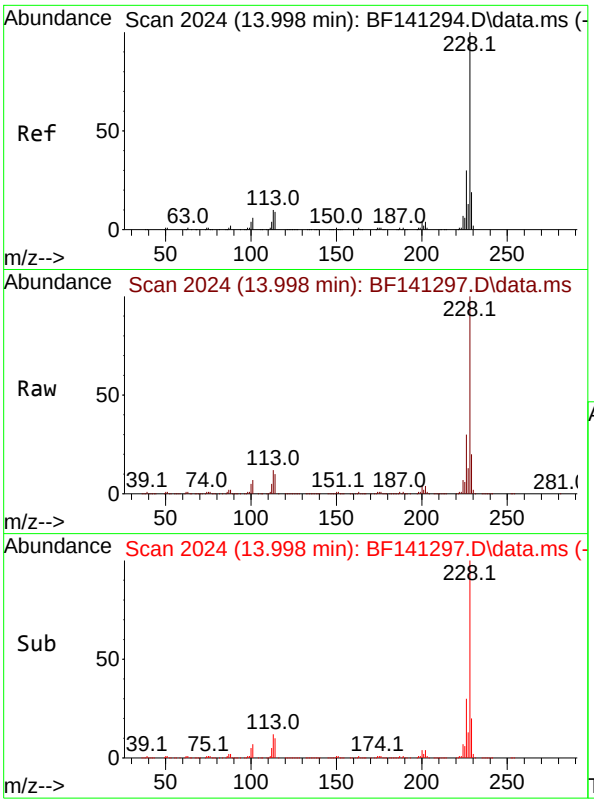


#82
3,3'-Dichlorobenzidine
Concen: 82.157 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 389044

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.3	76.9
126	11.7	10.0	15.0



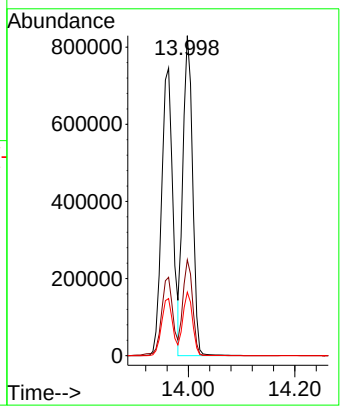


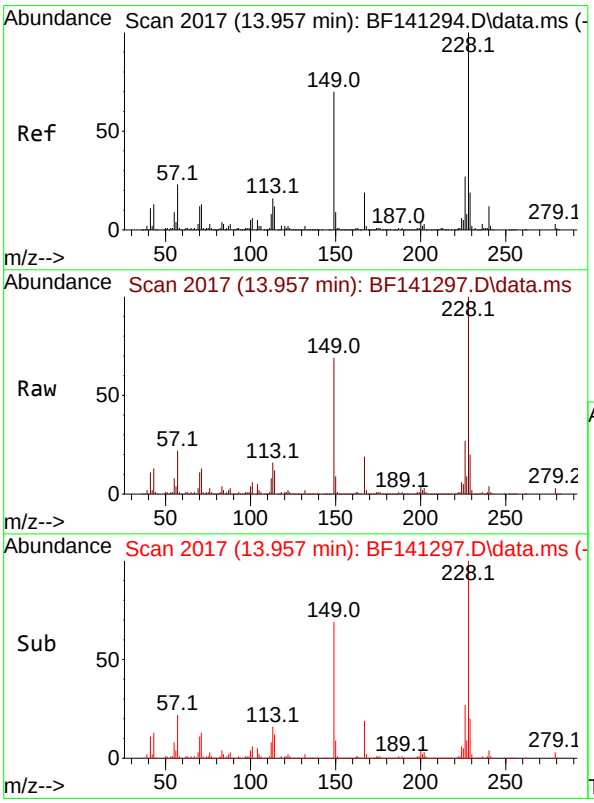
#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1048083

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	19.9	15.6	23.4

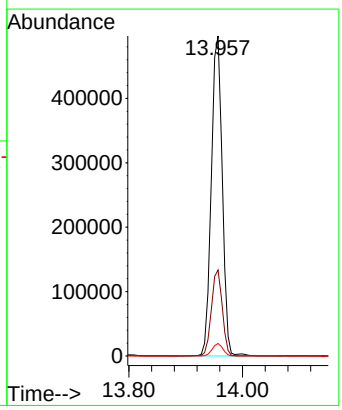


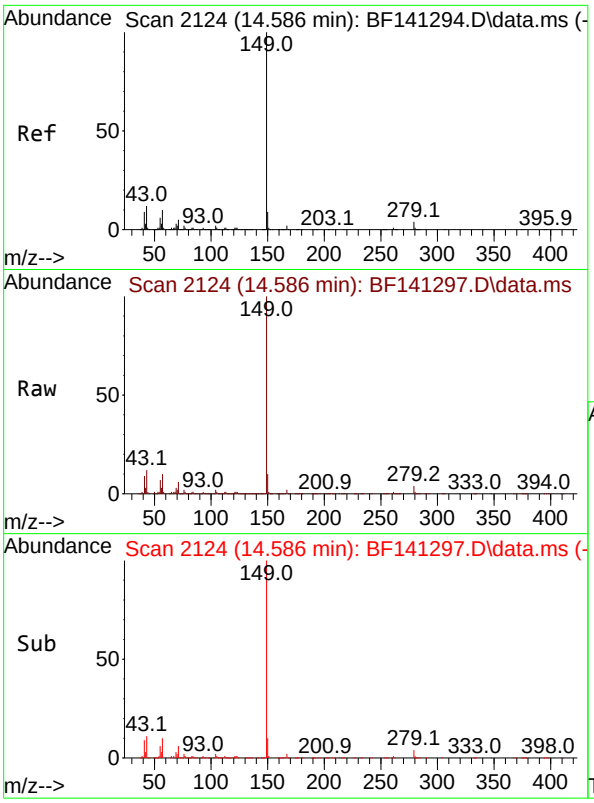


#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 662151

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.8
279	3.9	3.3	4.9



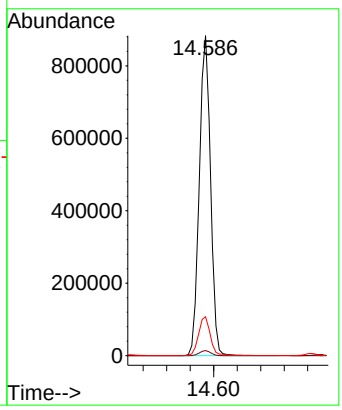


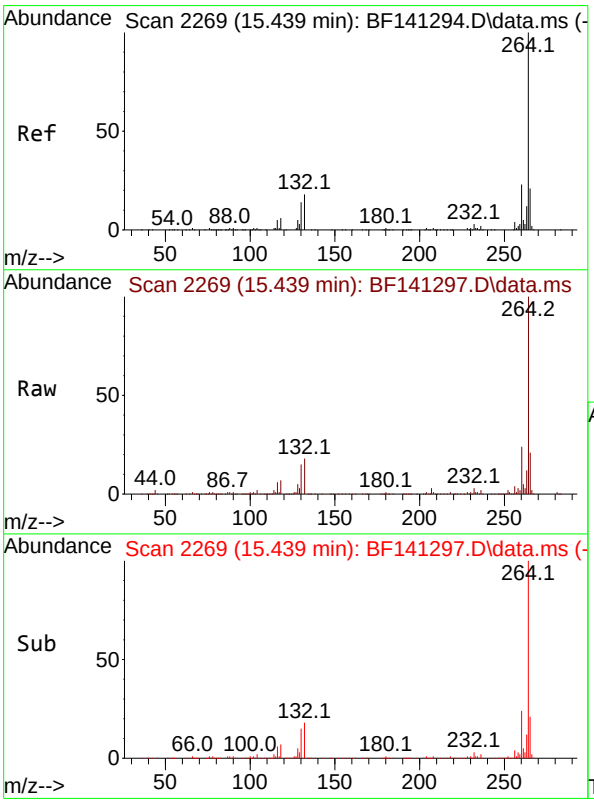
#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1171131

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.7	9.8	14.8

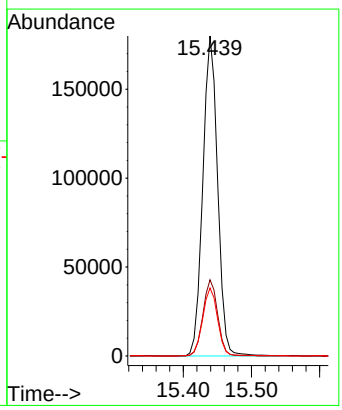


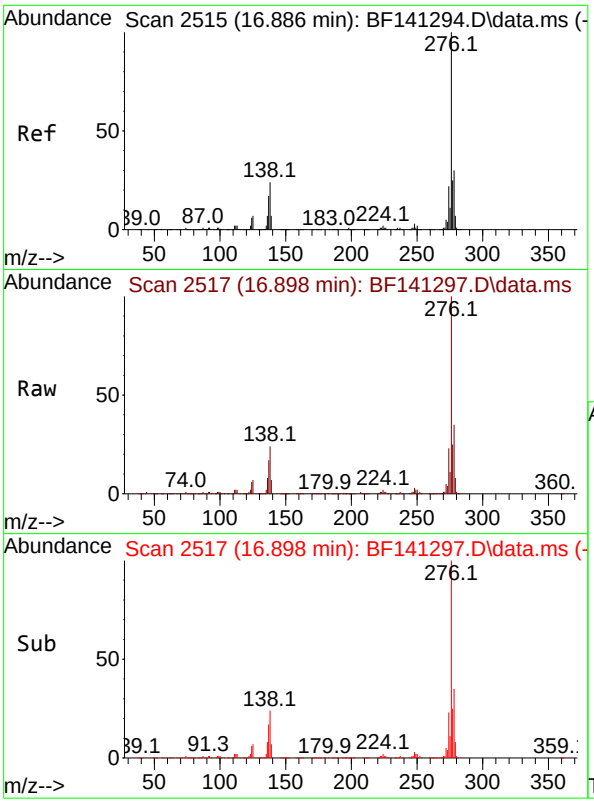


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:264 Resp: 271797

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.3	16.7	25.1



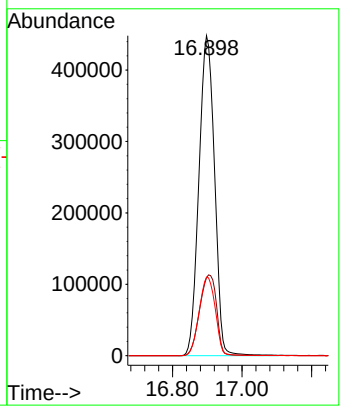


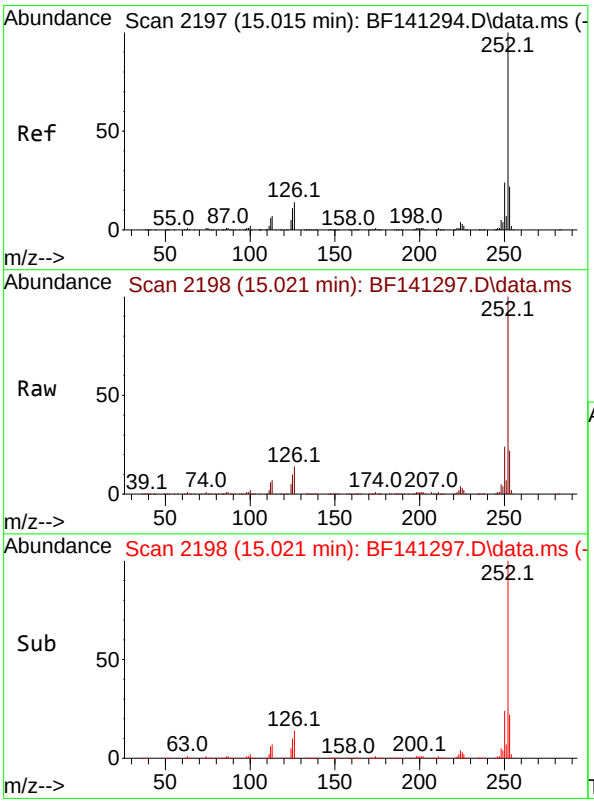
#87
Indeno(1,2,3-cd)pyrene
Concen: 79.715 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1399119

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.3	20.3	30.5

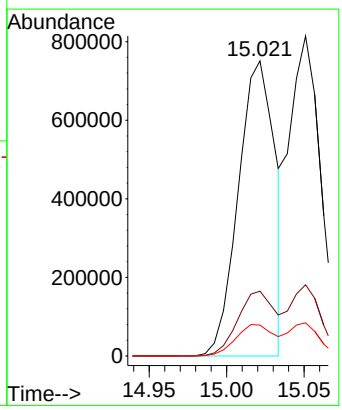


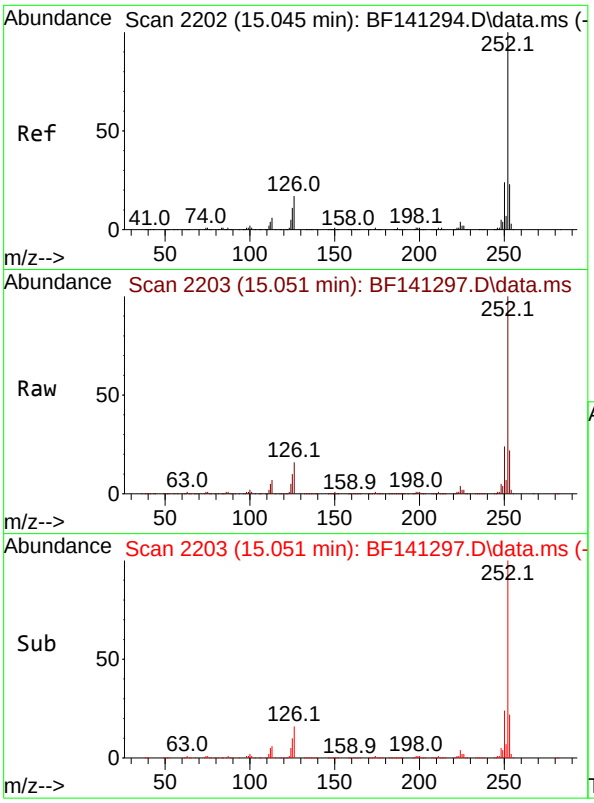


#88
Benzo(b)fluoranthene
Concen: 71.102 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1235245

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.5	8.6	12.8



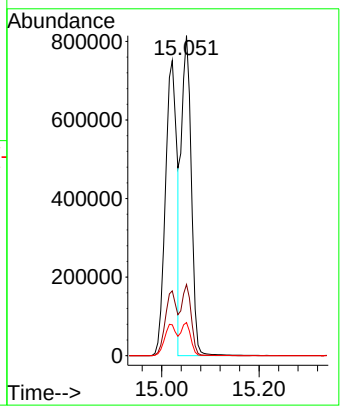


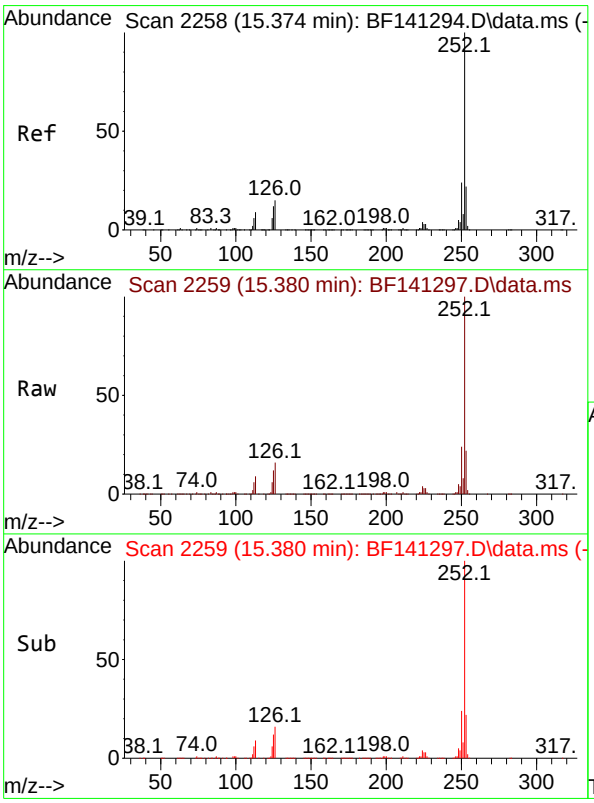
#89
Benzo(k)fluoranthene
Concen: 75.010 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1146296

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.4	8.4	12.6

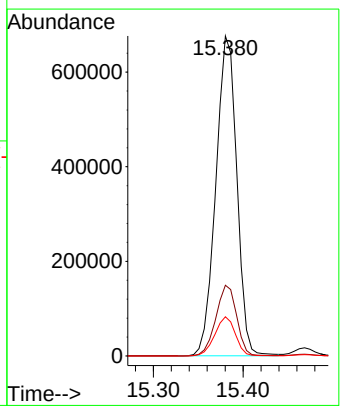


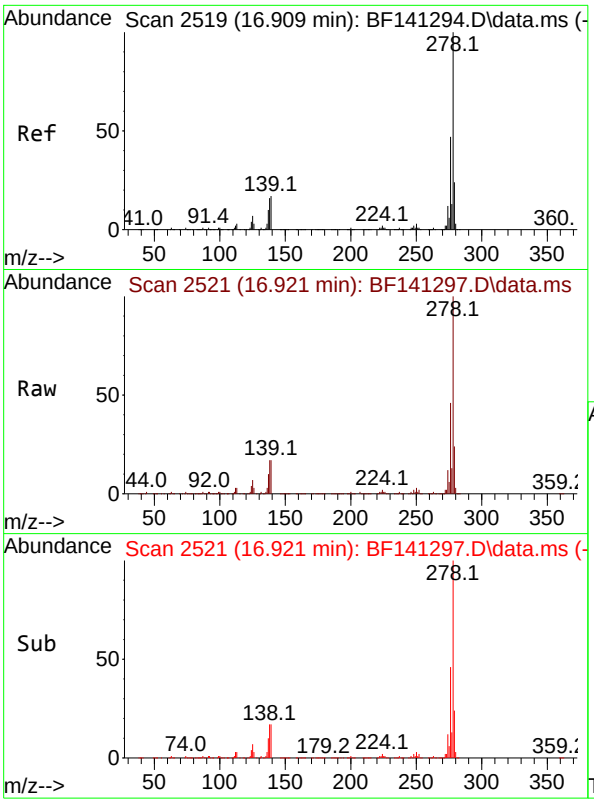


#90
Benzo(a)pyrene
Concen: 75.410 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1098491

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.3	9.4	14.2



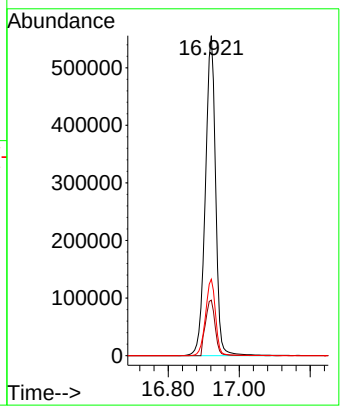


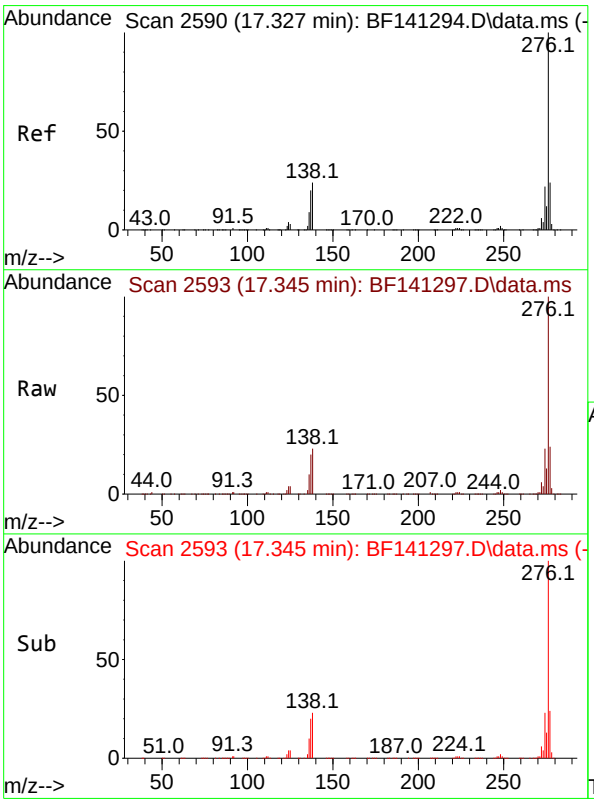
#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1117397

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.9	20.9
279	23.9	18.8	28.2

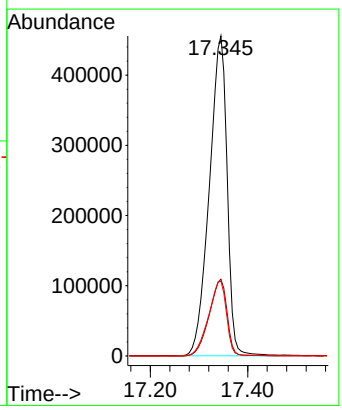




#92
Benzo(g,h,i)perylene
Concen: 78.512 ng
RT: 17.345 min Scan# 2593
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:276 Resp: 1155250

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.4	19.0	28.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	133318	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	525644	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	279764	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	450291	20.000	ng	0.00
76) Chrysene-d12	13.969	240	257177	20.000	ng	0.00
86) Perylene-d12	15.421	264	279455	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	650985	74.963	ng	0.00
7) Phenol-d6	6.428	99	824574	74.641	ng	-0.01
23) Nitrobenzene-d5	7.363	82	754118	75.630	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	192773	75.161	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1325725	72.938	ng	0.00
79) Terphenyl-d14	12.910	244	1208358	72.460	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	142440	37.296	ng	100
3) Pyridine	3.216	79	353478	38.413	ng	100
4) n-Nitrosodimethylamine	3.169	42	199637	37.977	ng	100
6) Aniline	6.463	93	368792	39.437	ng	99
8) 2-Chlorophenol	6.581	128	349085	37.505	ng	99
9) Benzaldehyde	6.346	77	236537	36.965	ng	100
10) Phenol	6.440	94	443695	37.888	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	335702	37.387	ng	100
12) 1,3-Dichlorobenzene	6.740	146	382682	37.288	ng	99
13) 1,4-Dichlorobenzene	6.816	146	390597	37.885	ng	99
14) 1,2-Dichlorobenzene	6.969	146	359529	37.241	ng	100
15) Benzyl Alcohol	6.940	79	286519	37.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	587637	37.636	ng	100
17) 2-Methylphenol	7.051	107	276450	36.544	ng	99
18) Hexachloroethane	7.310	117	144890	38.094	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	241878	36.848	ng	100
20) 3+4-Methylphenols	7.204	107	347046	37.364	ng	99
22) Acetophenone	7.210	105	458757	36.717	ng	100
24) Nitrobenzene	7.381	77	391907	37.927	ng	99
25) Isophorone	7.622	82	645309	37.439	ng	100
26) 2-Nitrophenol	7.698	139	186592	38.289	ng	99
27) 2,4-Dimethylphenol	7.734	122	236052m	38.055	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	411851	37.460	ng	99
29) 2,4-Dichlorophenol	7.940	162	286090	37.675	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	316431	36.488	ng	100
31) Naphthalene	8.104	128	1030995	37.128	ng	100
32) Benzoic acid	7.845	122	236833	41.534	ng	99
33) 4-Chloroaniline	8.151	127	350423	37.214	ng	99
34) Hexachlorobutadiene	8.222	225	186523	36.676	ng	99
35) Caprolactam	8.522	113	93403	37.662	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	305288	37.480	ng	99
37) 2-Methylnaphthalene	8.792	142	651222	36.898	ng	99
38) 1-Methylnaphthalene	8.892	142	651341	37.570	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	296277	37.226	ng	99
41) Hexachlorocyclopentadiene	8.945	237	93930	39.961	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	201214	38.625	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	209611	36.969	ng		100
46) 1,1'-Biphenyl	9.257	154	809694	37.111	ng		100
47) 2-Chloronaphthalene	9.281	162	626457	36.837	ng		100
48) 2-Nitroaniline	9.381	65	203104	37.970	ng		98
49) Acenaphthylene	9.698	152	890709	37.416	ng		100
50) Dimethylphthalate	9.563	163	697300	36.904	ng		100
51) 2,6-Dinitrotoluene	9.622	165	164343	37.459	ng		99
52) Acenaphthene	9.869	154	632756	37.206	ng		99
53) 3-Nitroaniline	9.792	138	164042	38.150	ng		98
54) 2,4-Dinitrophenol	9.892	184	81034	39.734	ng	#	85
55) Dibenzofuran	10.045	168	842555	37.012	ng		100
56) 4-Nitrophenol	9.945	139	122925	39.089	ng		99
57) 2,4-Dinitrotoluene	10.022	165	217705	38.327	ng		99
58) Fluorene	10.386	166	643639	36.451	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	169067	37.902	ng		99
60) Diethylphthalate	10.263	149	683674	37.316	ng		99
61) 4-Chlorophenyl-phenyle...	10.381	204	312065	36.180	ng		99
62) 4-Nitroaniline	10.404	138	159227	37.665	ng		99
63) Azobenzene	10.539	77	678905	37.020	ng		100
65) 4,6-Dinitro-2-methylph...	10.433	198	111635	41.913	ng		99
66) n-Nitrosodiphenylamine	10.498	169	564452	38.757	ng		99
67) 4-Bromophenyl-phenylether	10.869	248	199009	39.477	ng		98
68) Hexachlorobenzene	10.933	284	208171	38.929	ng		99
69) Atrazine	11.028	200	190958	39.215	ng		99
70) Pentachlorophenol	11.128	266	128300	40.973	ng		99
71) Phenanthrene	11.351	178	922625	38.117	ng		100
72) Anthracene	11.398	178	912703	38.484	ng		100
73) Carbazole	11.557	167	813036	38.661	ng		100
74) Di-n-butylphthalate	11.892	149	984759	38.639	ng		100
75) Fluoranthene	12.539	202	902637	37.768	ng		100
77) Benzidine	12.663	184	405163	49.142	ng		99
78) Pyrene	12.769	202	894269	36.225	ng		99
80) Butylbenzylphthalate	13.392	149	324793	37.660	ng		99
81) Benzo(a)anthracene	13.957	228	631556	35.587	ng		99
82) 3,3'-Dichlorobenzidine	13.921	252	218850	38.774	ng		99
83) Chrysene	13.992	228	610038	37.508	ng		100
84) Bis(2-ethylhexyl)phtha...	13.951	149	400642	36.620	ng		100
85) Di-n-octyl phthalate	14.569	149	642439	37.807	ng		99
87) Indeno(1,2,3-cd)pyrene	16.868	276	678653	37.626	ng		99
88) Benzo(b)fluoranthene	14.998	252	683111	38.861	ng		100
89) Benzo(k)fluoranthene	15.027	252	556960	35.766	ng		99
90) Benzo(a)pyrene	15.363	252	567574	38.209	ng		99
91) Dibenzo(a,h)anthracene	16.886	278	551534	38.007	ng		99
92) Benzo(g,h,i)perylene	17.304	276	559807	37.101	ng		99

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

ICAL Form

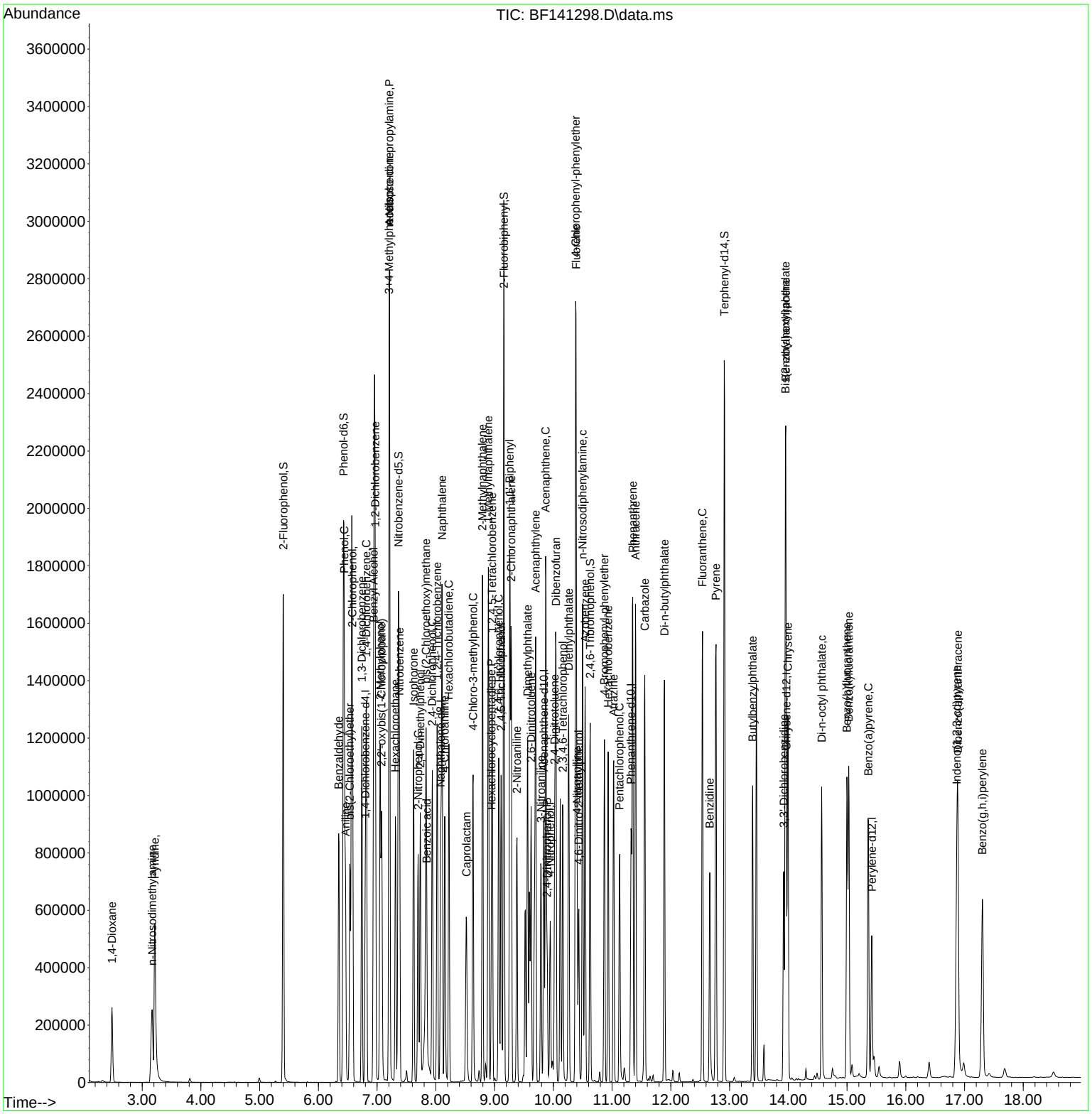
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

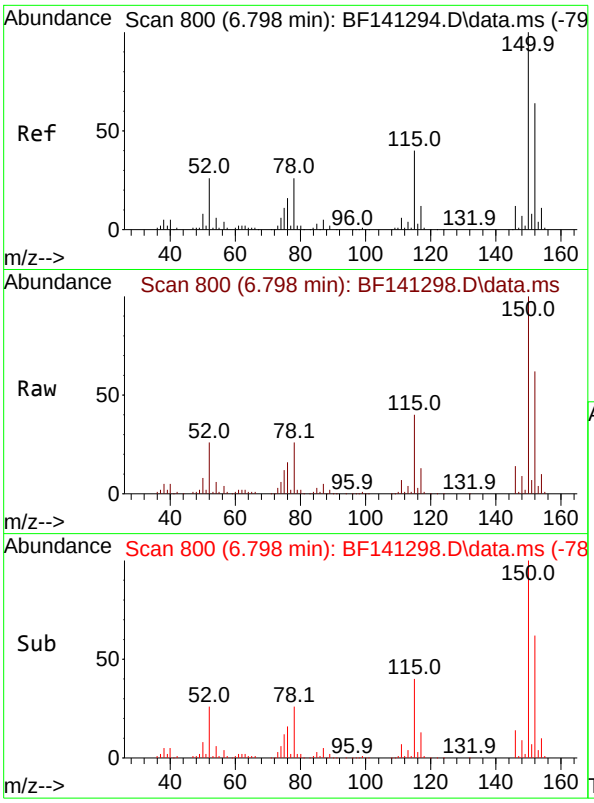
Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

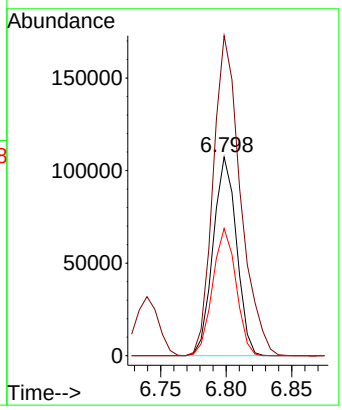




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 13331

Ion	Ratio	Lower	Upper
152	100		
150	161.0	125.9	188.9
115	64.0	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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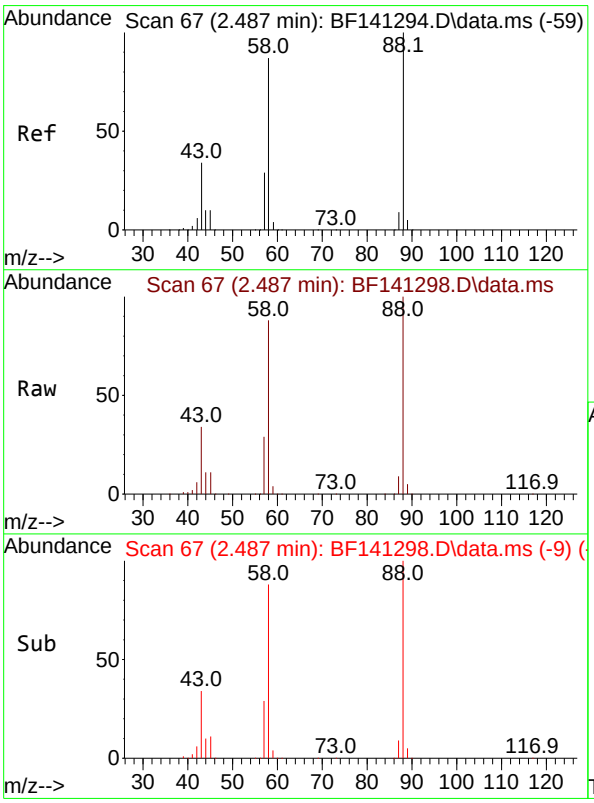
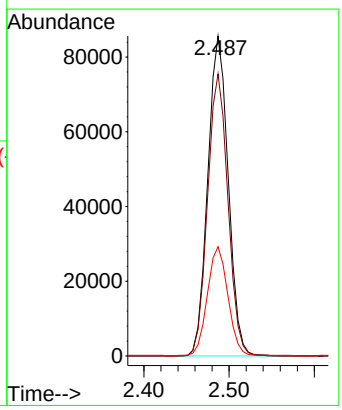
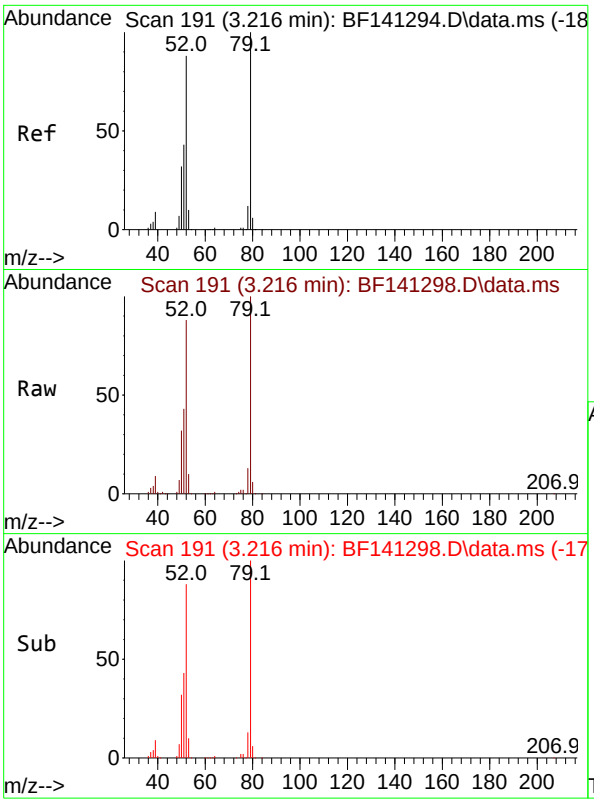


#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 88 Resp: 142440

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.2	105.4
43	34.7	27.6	41.4

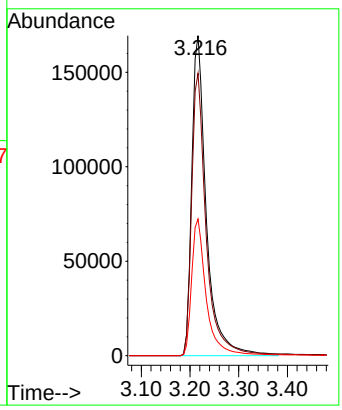




#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 35347

Ion	Ratio	Lower	Upper
79	100		
52	88.3	70.3	105.5
51	42.7	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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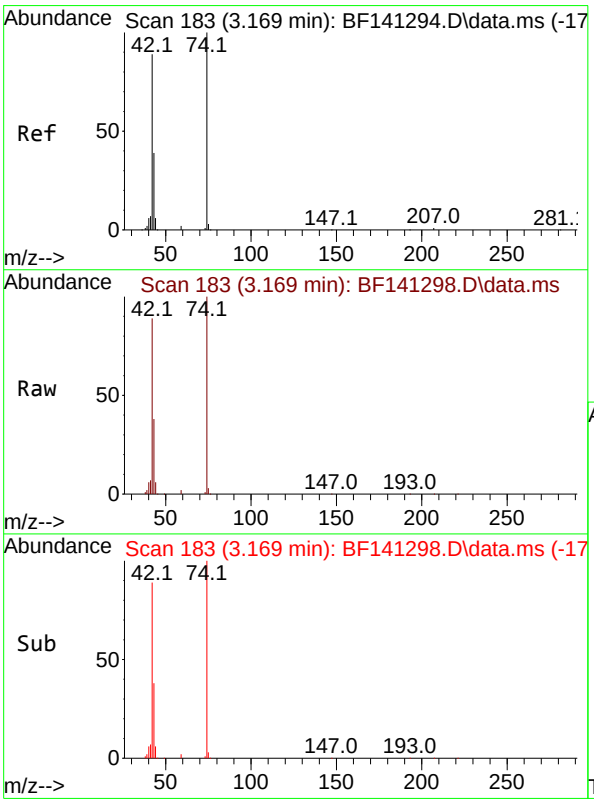
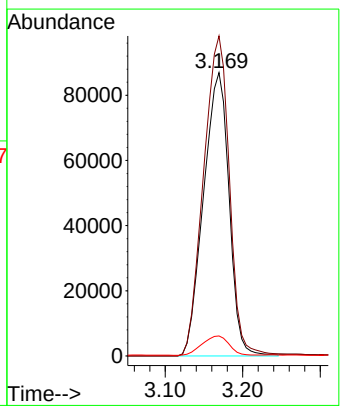
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

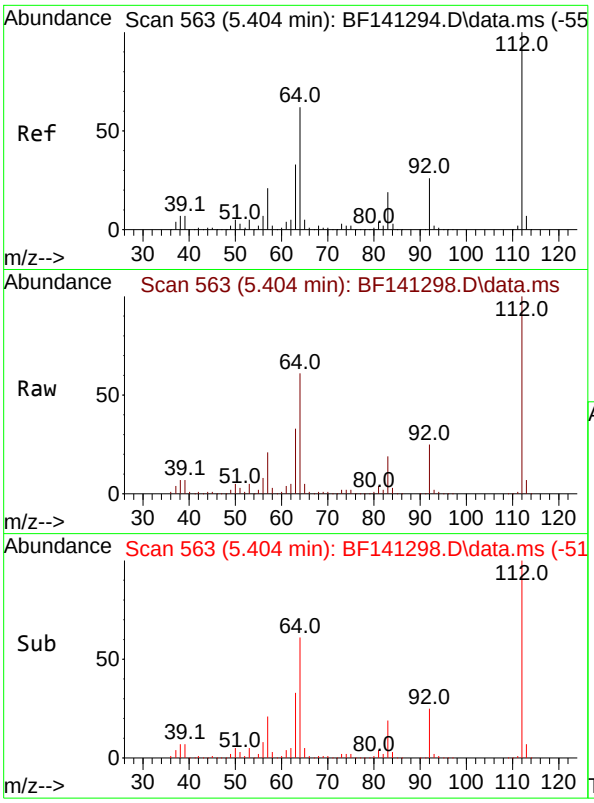


#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 42 Resp: 199637

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.3	135.5
44	7.1	5.7	8.5

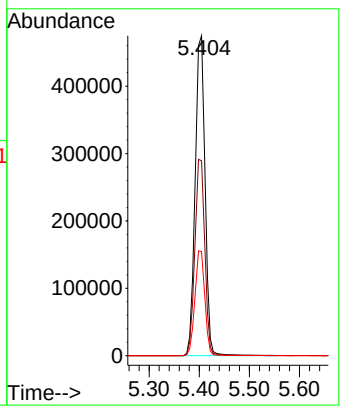




#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:112 Resp: 65098

Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.8	74.8
63	32.6	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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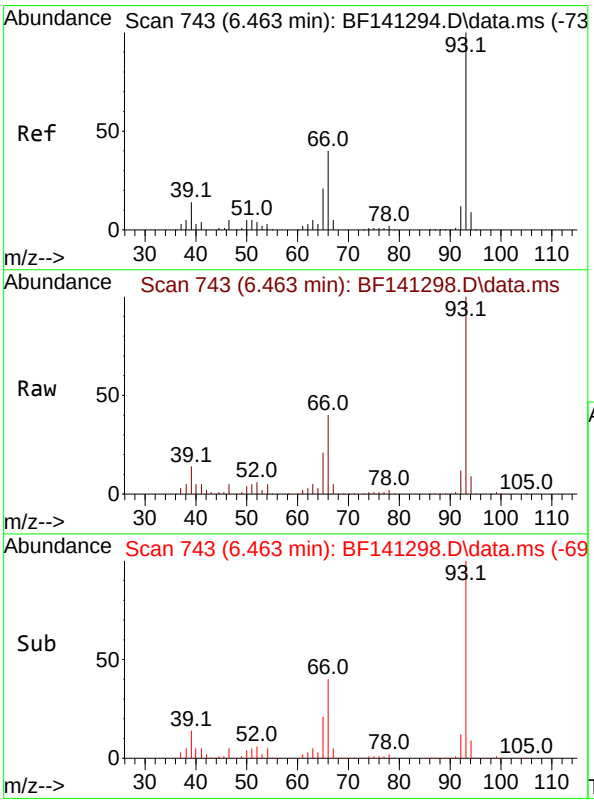
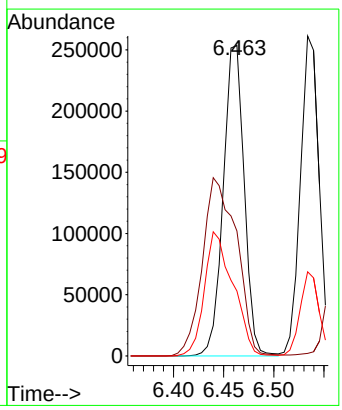
Supervised By :mohammad ahmed 02/04/2025

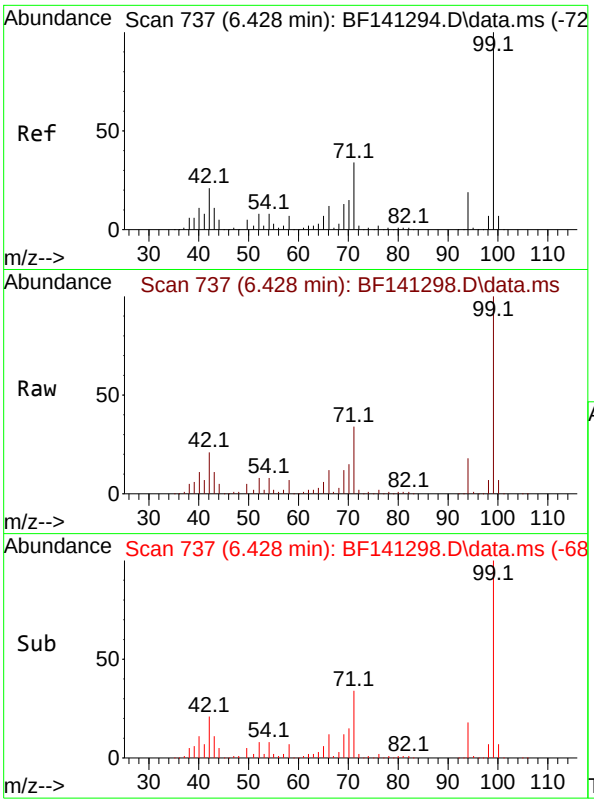


#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 368792

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.5	48.7
65	20.9	17.0	25.6

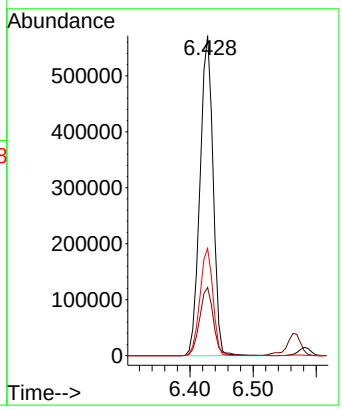




#7
Phenol-d6
Concen: 74.641 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 99 Resp: 82457

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.1	25.7
71	33.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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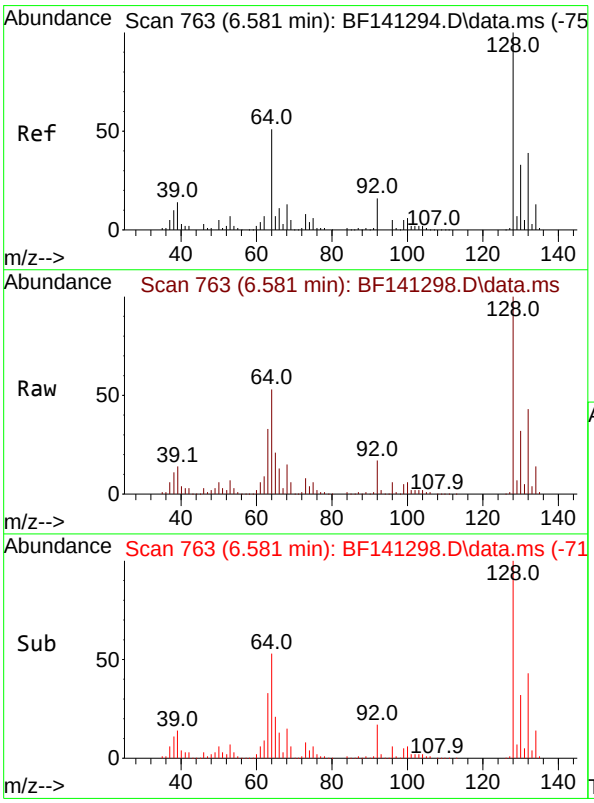
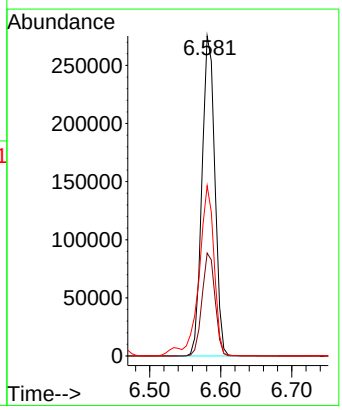
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

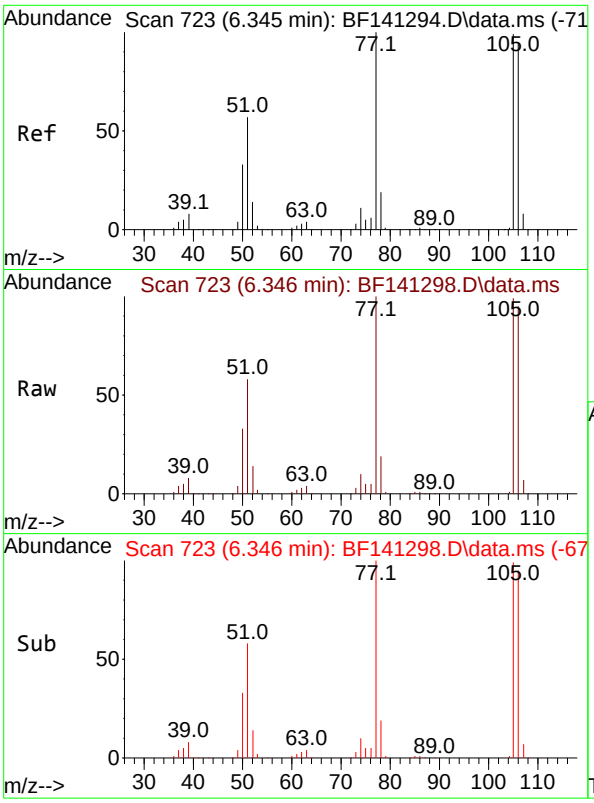


#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 349085

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.5	52.5
64	53.2	32.9	72.9

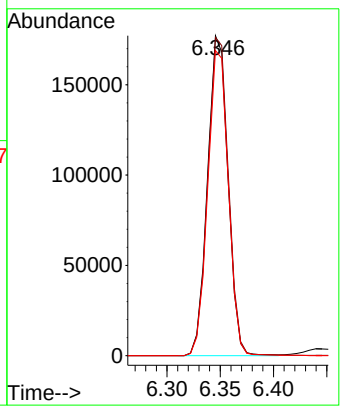




#9
Benzaldehyde
Concen: 36.965 ng
RT: 6.346 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 23653

Ion	Ratio	Lower	Upper
77	100		
105	99.5	79.4	119.4
106	95.3	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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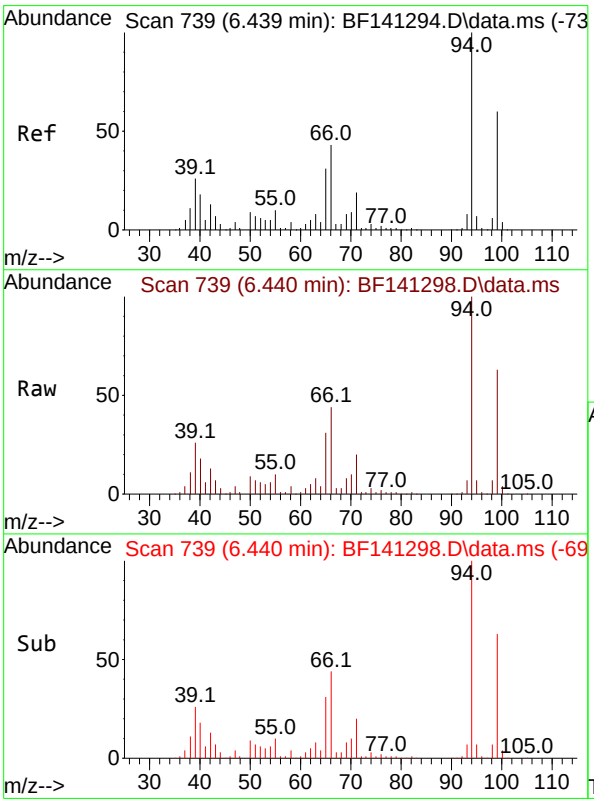
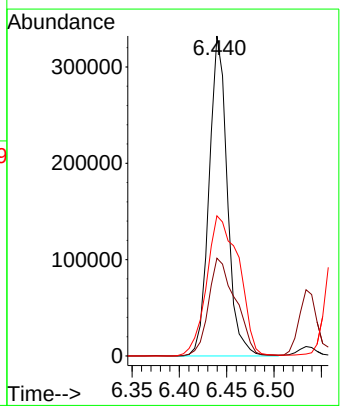
Supervised By :mohammad ahmed 02/04/2025

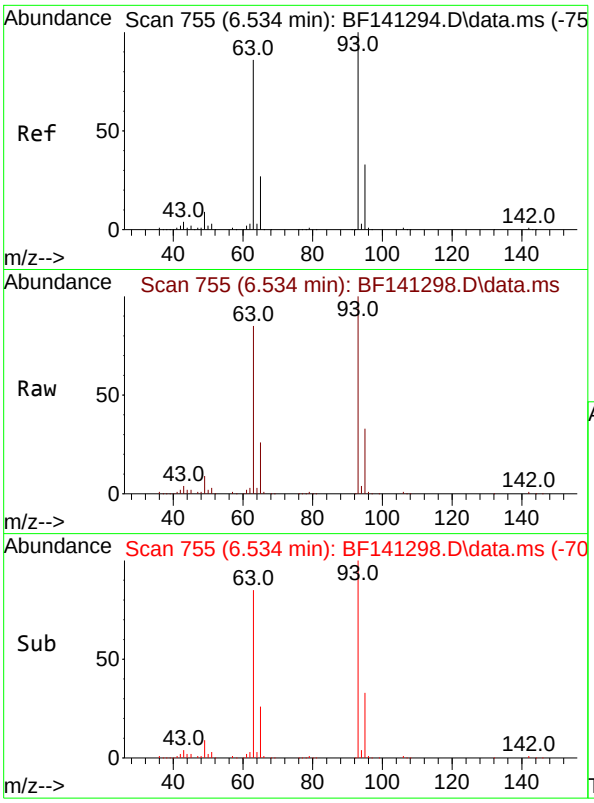


#10
Phenol
Concen: 37.888 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 94 Resp: 443695

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.8	50.8
66	43.8	23.3	63.3

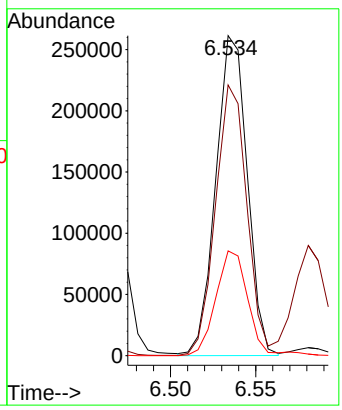




#11
bis(2-Chloroethyl)ether
Concen: 37.387 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 33570

Ion	Ratio	Lower	Upper
93	100		
63	84.6	65.0	105.0
95	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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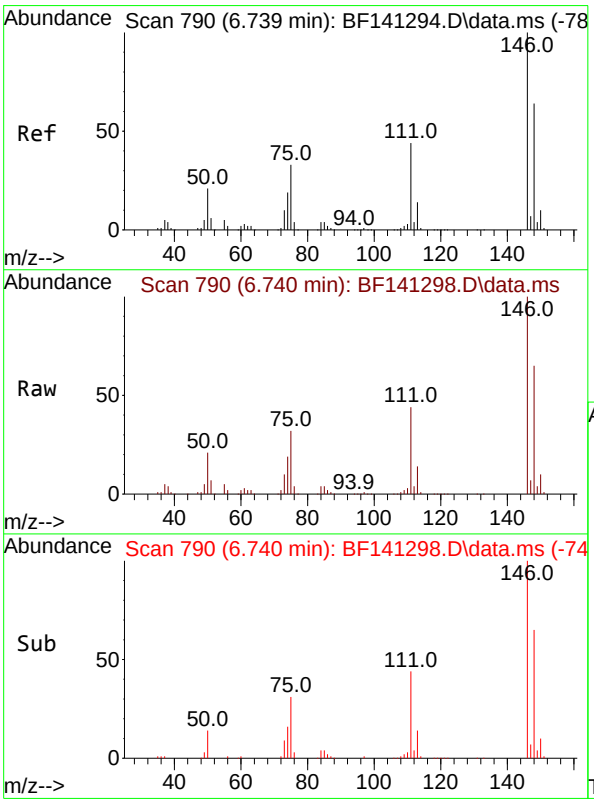
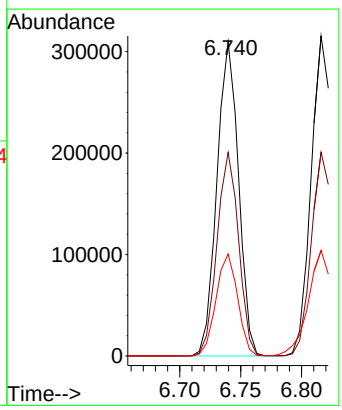
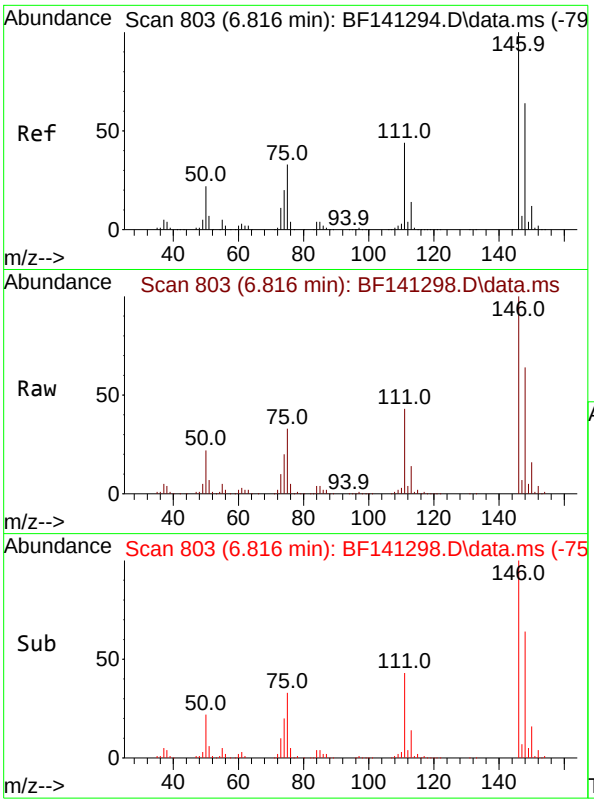


#12
1,3-Dichlorobenzene
Concen: 37.288 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 382682

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
75	32.4	26.2	39.4

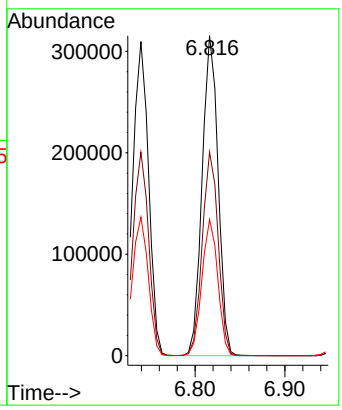




#13
1,4-Dichlorobenzene
Concen: 37.885 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 39059

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
111	42.5	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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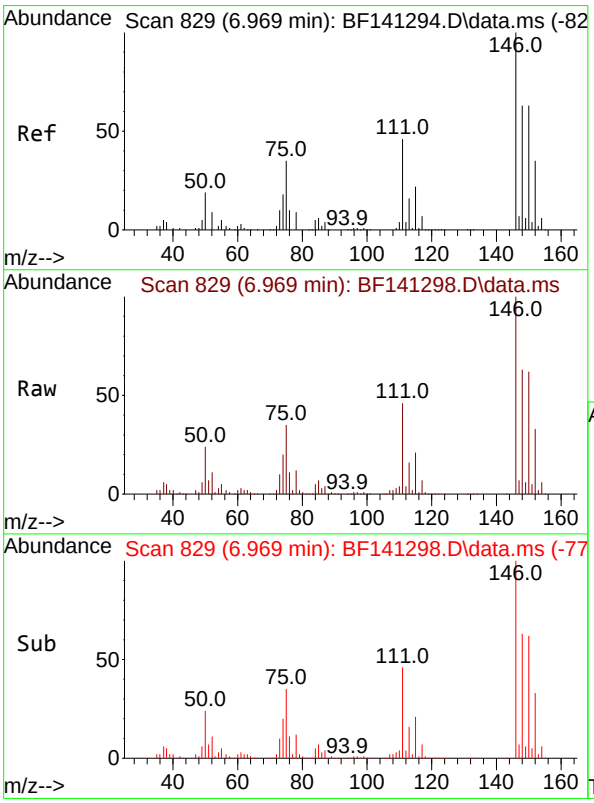
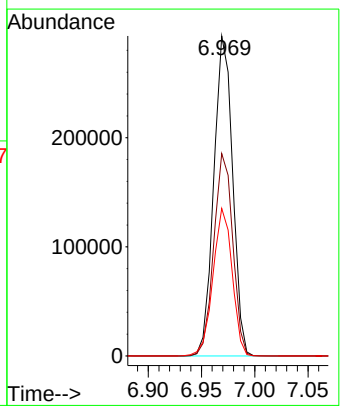
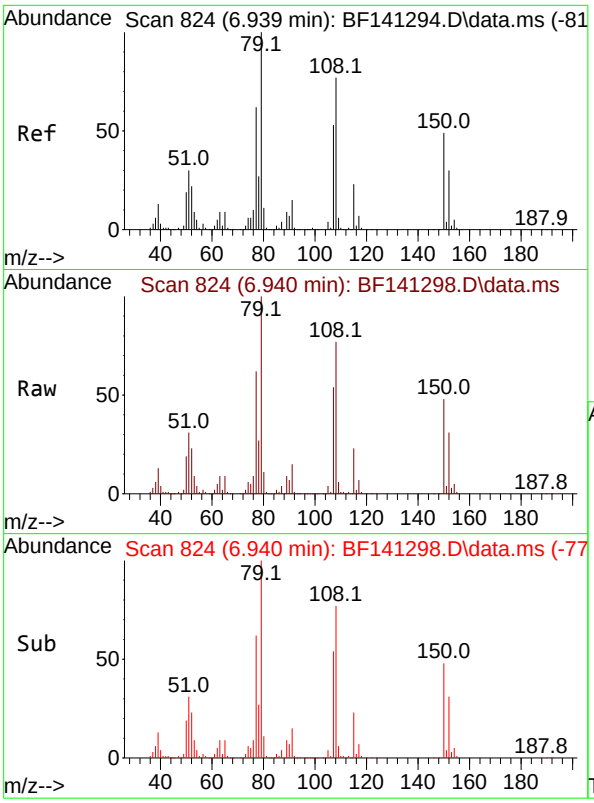


#14
1,2-Dichlorobenzene
Concen: 37.241 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 359529

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
111	46.1	36.6	55.0

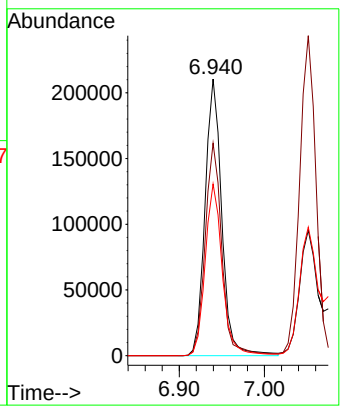




#15
Benzyl Alcohol
Concen: 37.952 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 28651

Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.4	92.0
77	62.0	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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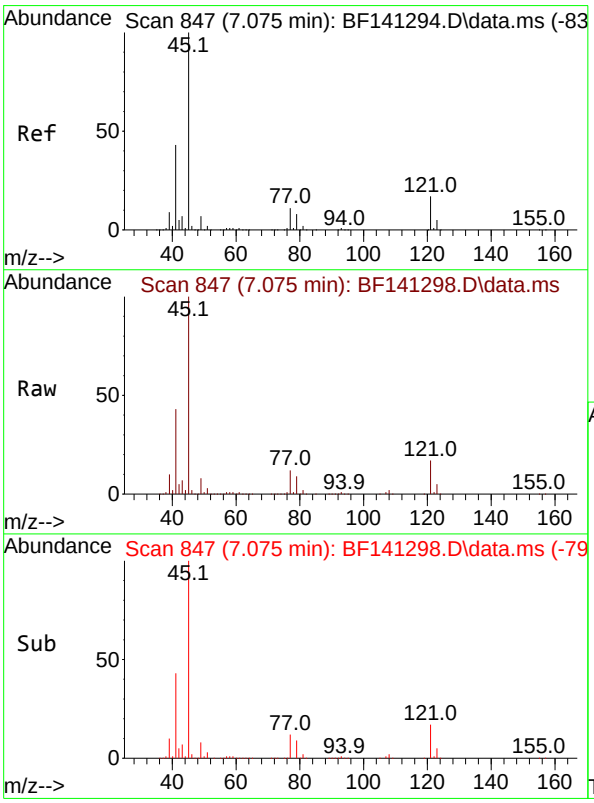
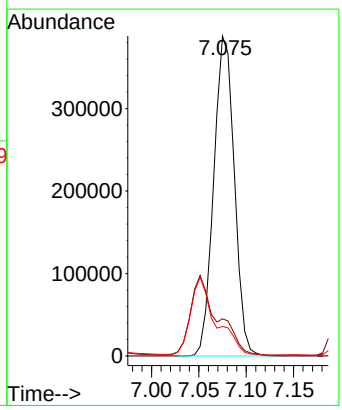
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

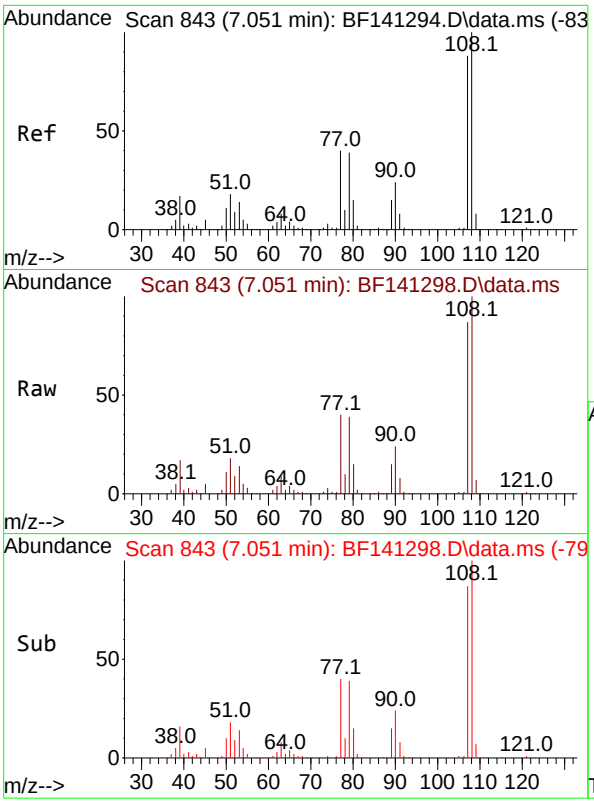


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.636 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 45 Resp: 587637

Ion	Ratio	Lower	Upper
45	100		
77	11.6	0.0	31.8
79	9.2	0.0	29.1

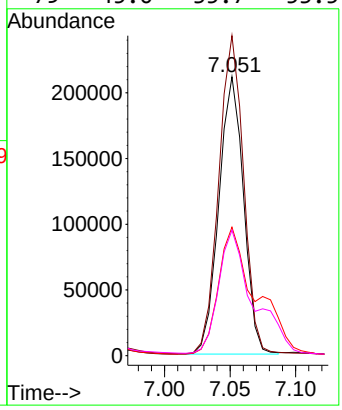




#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 27645

Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.8	136.2
77	46.1	36.2	54.4
79	45.0	35.7	53.5



Instrument :
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ClientSampleId :
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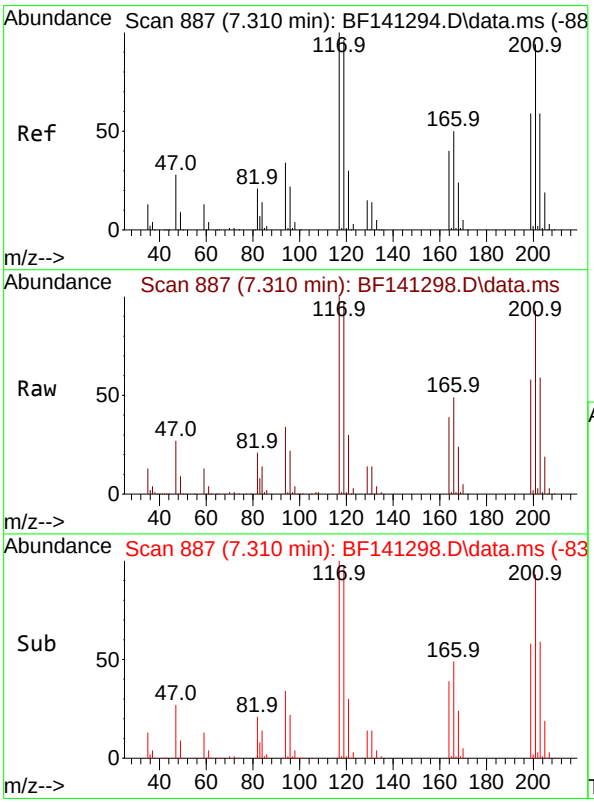
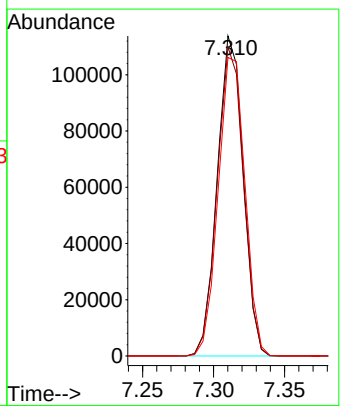
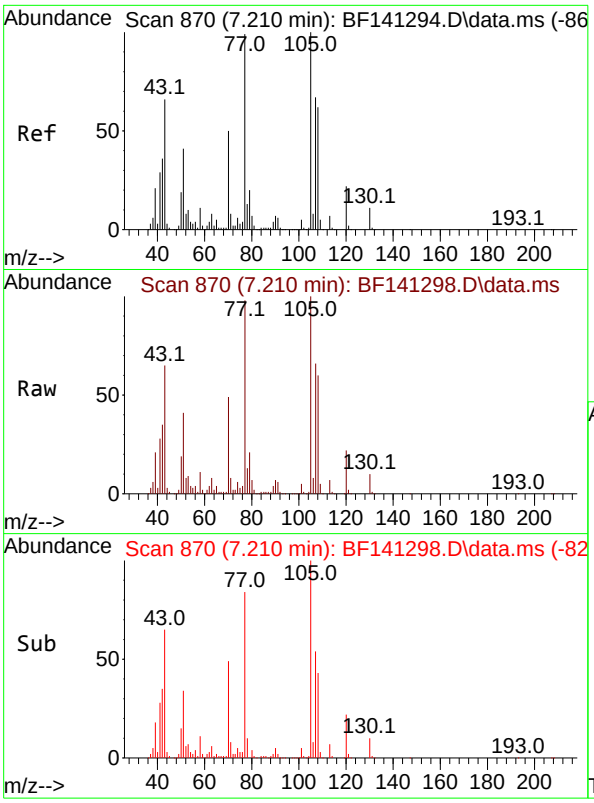


#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:117 Resp: 144890

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	114.8
201	93.3	74.8	112.2

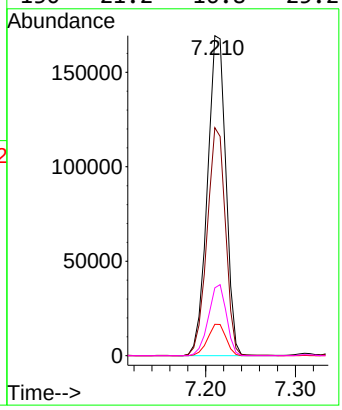




#19
n-Nitroso-di-n-propylamine
Concen: 36.848 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 70 Resp: 24187

Ion	Ratio	Lower	Upper
70	100		
42	71.3	56.8	85.2
101	9.8	7.7	11.5
130	21.2	16.8	25.2



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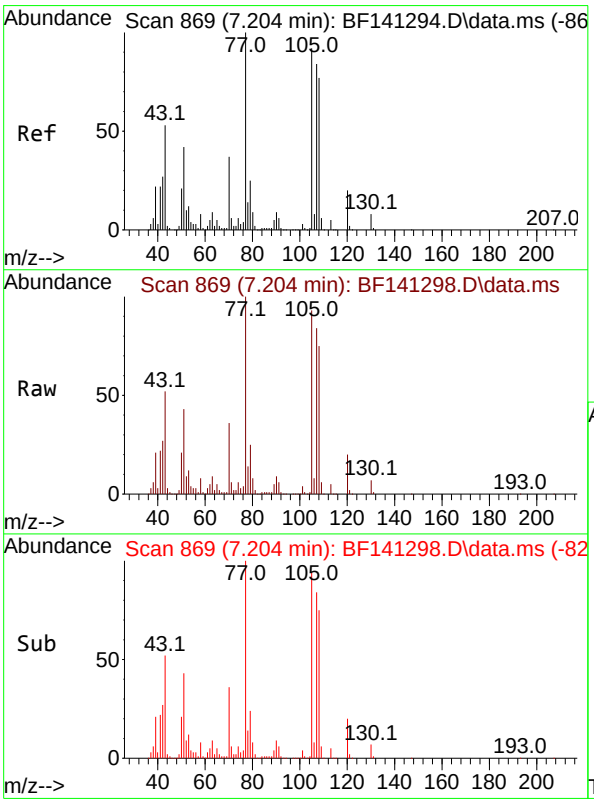
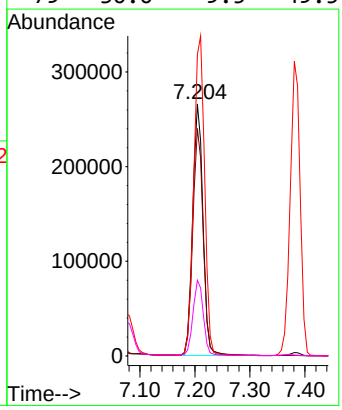
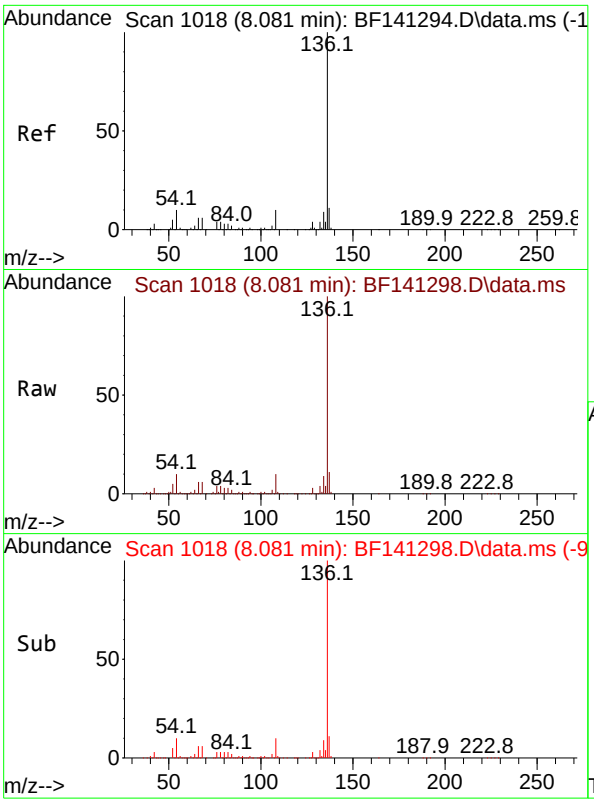


#20
3+4-Methylphenols
Concen: 37.364 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 347046

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.9	110.9
77	119.7	98.5	138.5
79	30.0	9.5	49.5

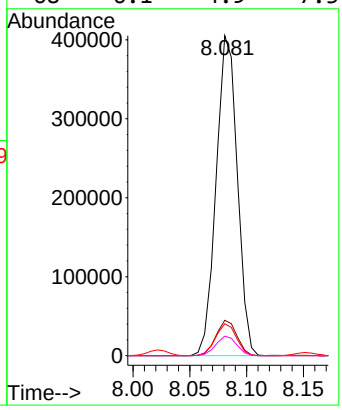




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:136 Resp: 52564

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.0	7.8	11.8
68	6.1	4.9	7.3



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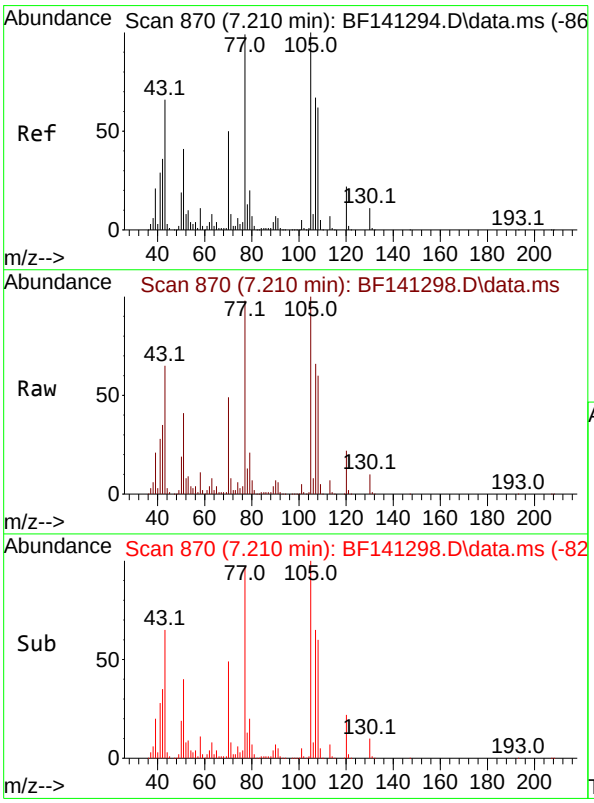
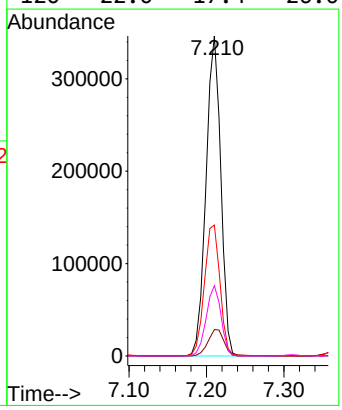
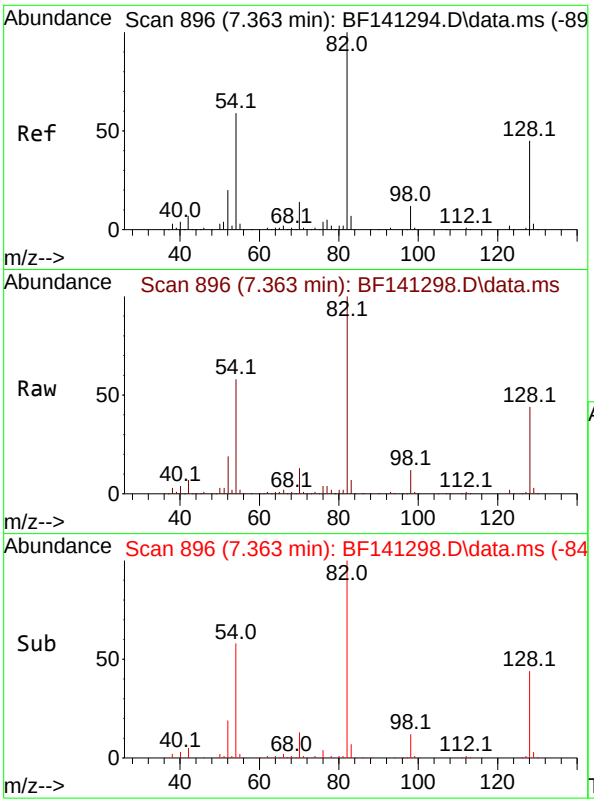


#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:105 Resp: 458757

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.8	10.2
51	40.9	32.6	49.0
120	22.0	17.4	26.0

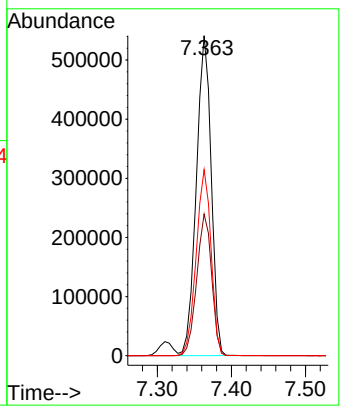




#23
Nitrobenzene-d5
Concen: 75.630 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 82 Resp: 75411

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	58.2	47.1	70.7



Instrument :
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ClientSampleId :
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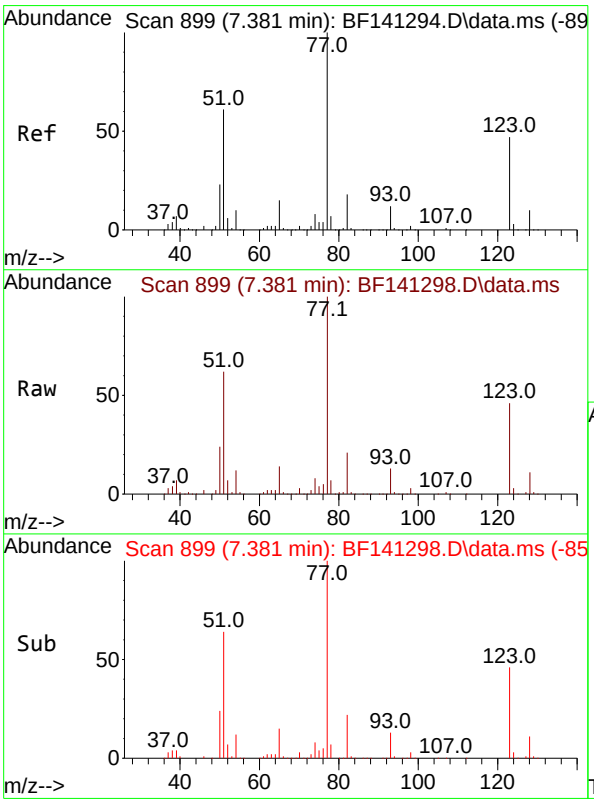
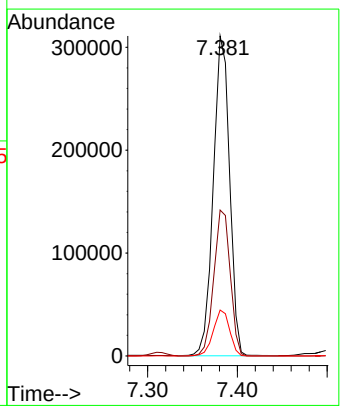
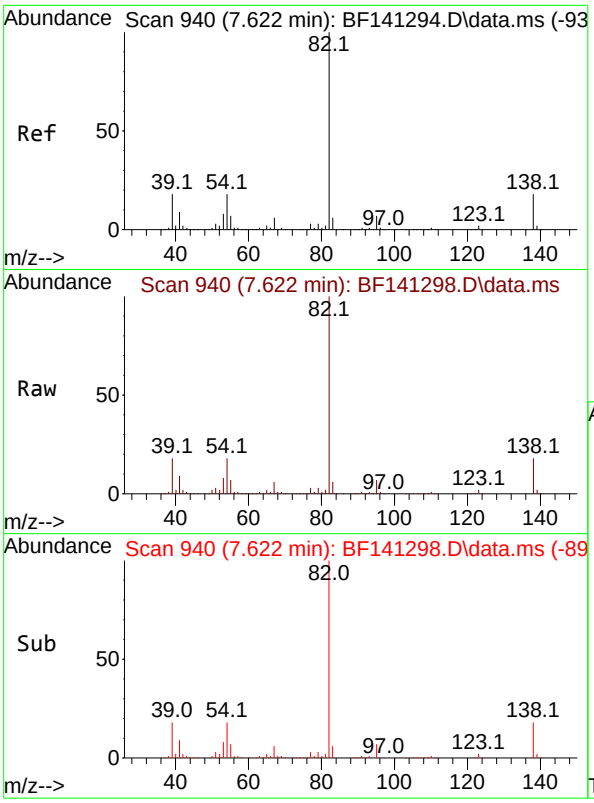


#24
Nitrobenzene
Concen: 37.927 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 391907

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.3	55.9
65	14.4	11.8	17.6

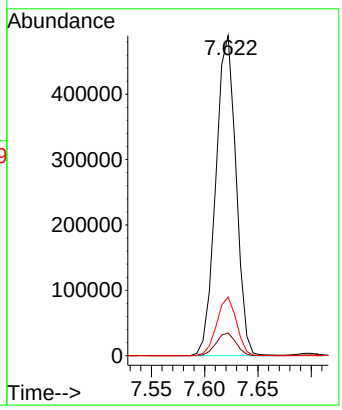




#25
Isophorone
Concen: 37.439 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 82 Resp: 64530

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.3	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
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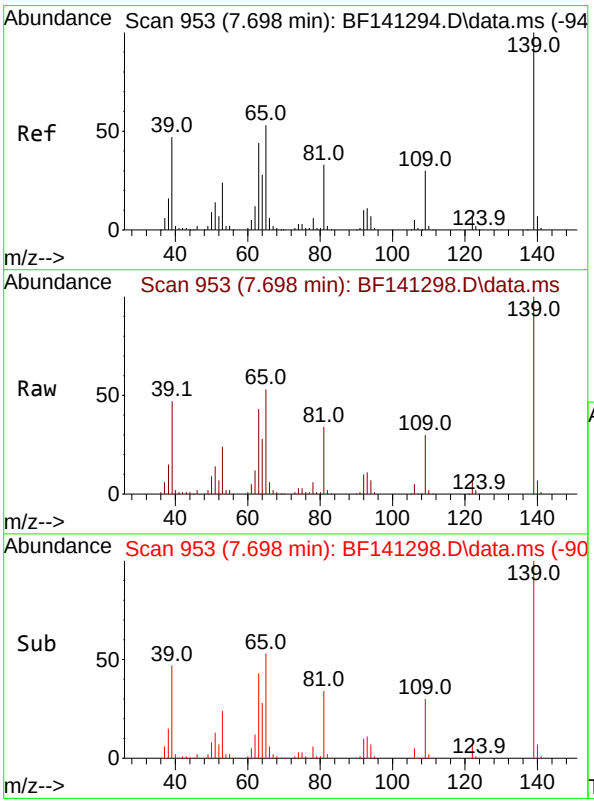
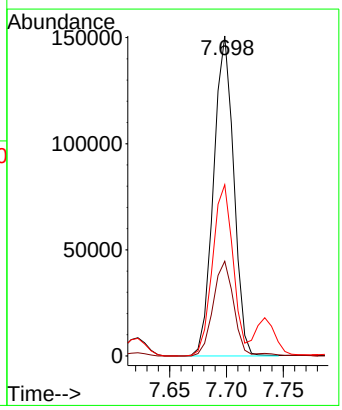
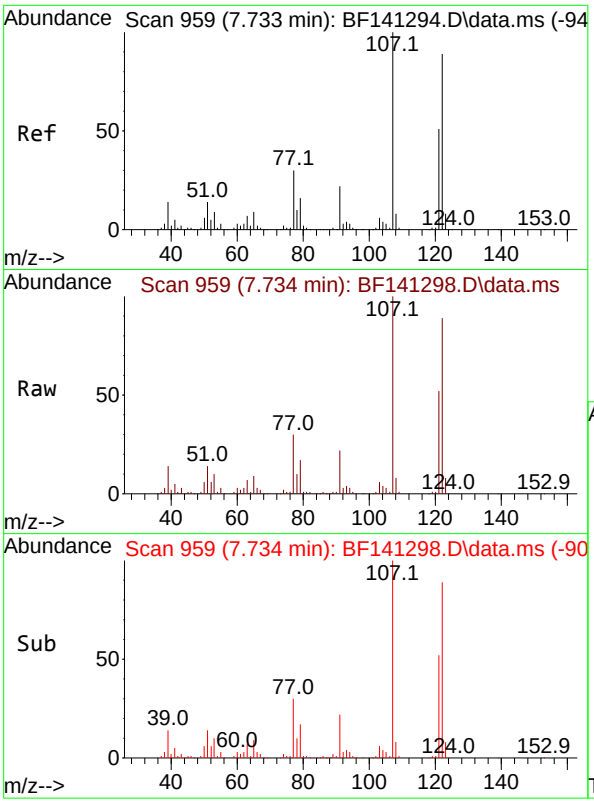


#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 186592

Ion	Ratio	Lower	Upper
139	100		
109	29.6	23.8	35.6
65	53.5	42.2	63.4

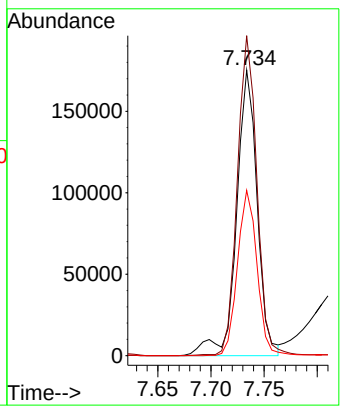




#27
2,4-Dimethylphenol
Concen: 38.055 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:122 Resp: 23605

Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	57.9	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
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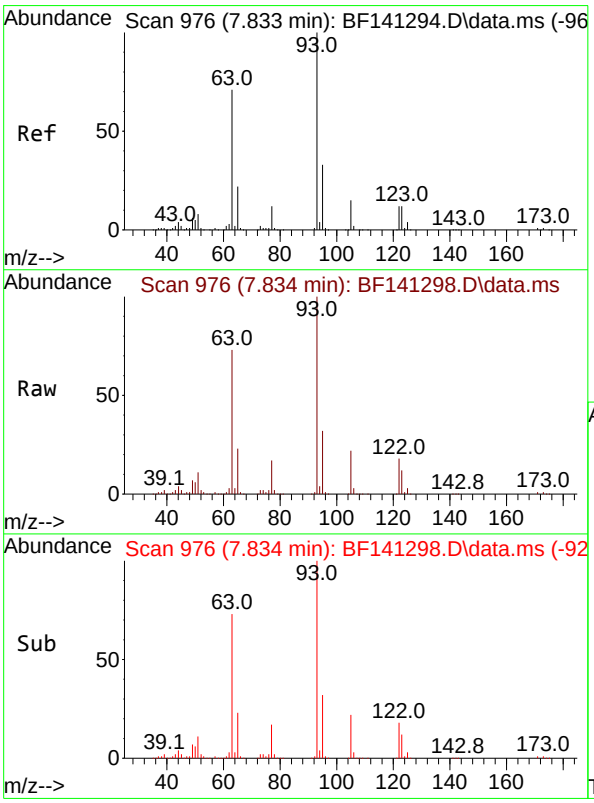
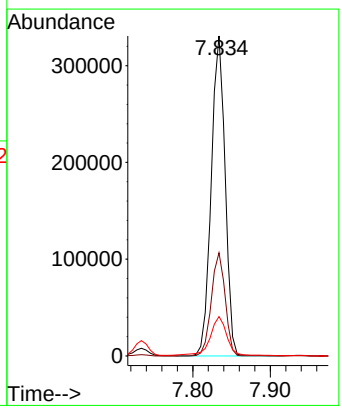
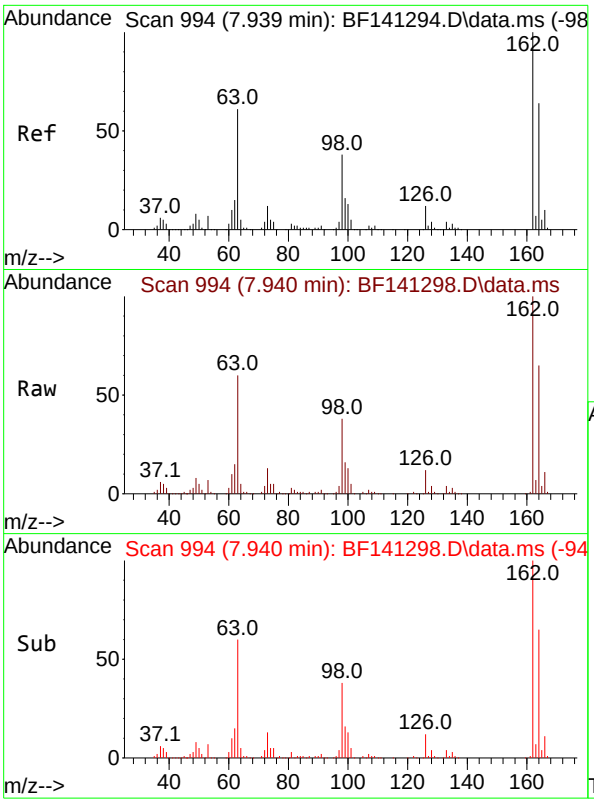


#28
bis(2-Chloroethoxy)methane
Concen: 37.460 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 411851

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.3	10.2	15.4

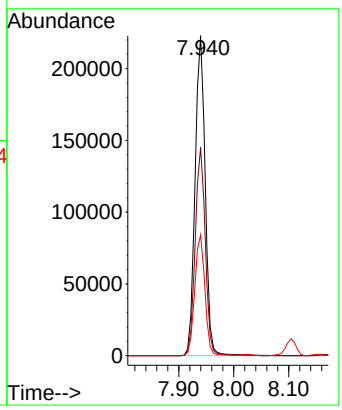




#29
2,4-Dichlorophenol
Concen: 37.675 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:162 Resp: 28609

Ion	Ratio	Lower	Upper
162	100		
164	65.1	44.2	84.2
98	37.7	18.2	58.2



Instrument :
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ClientSampleId :
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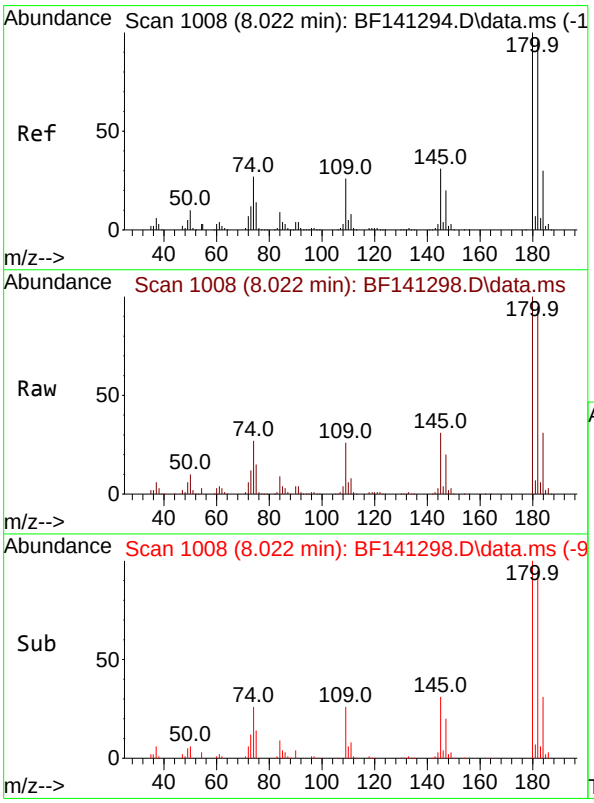
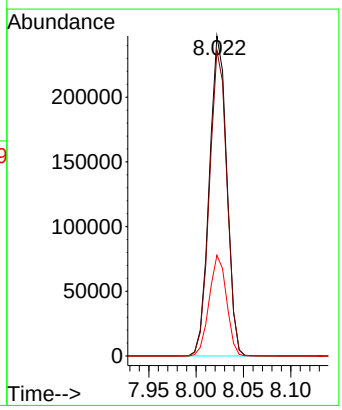
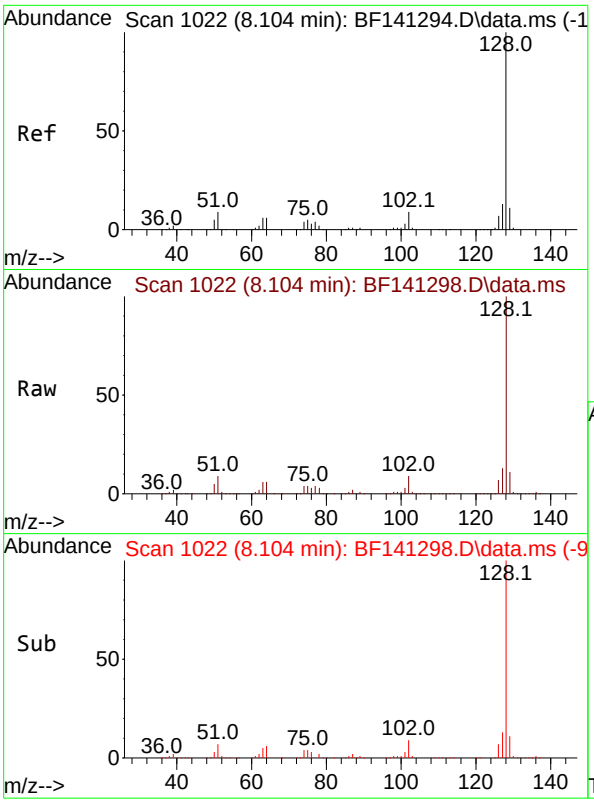


#30
1,2,4-Trichlorobenzene
Concen: 36.488 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:180 Resp: 316431

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	31.4	24.9	37.3





#31
Naphthalene
Concen: 37.128 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 103099

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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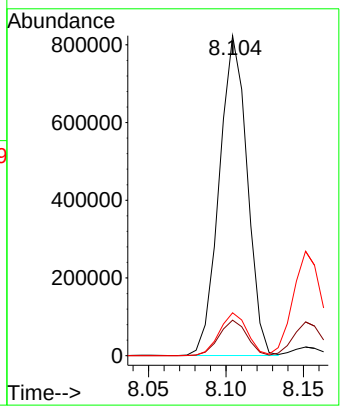
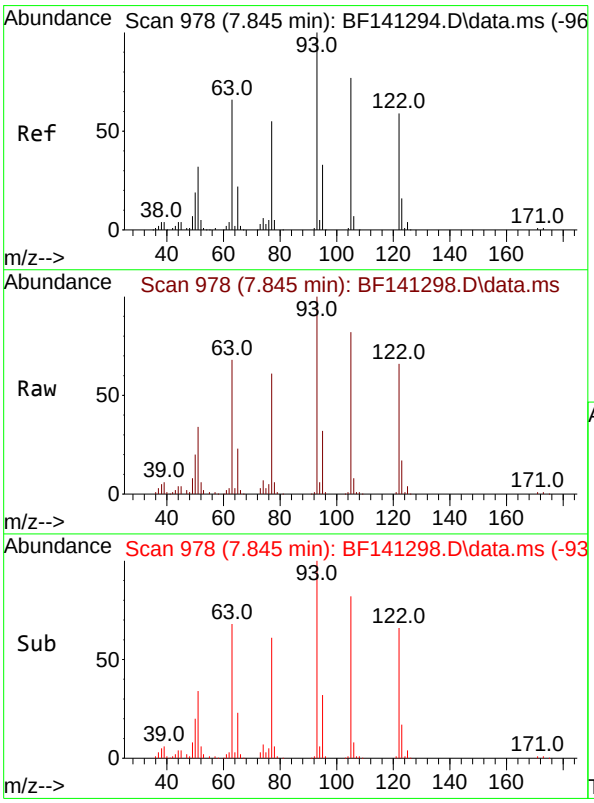
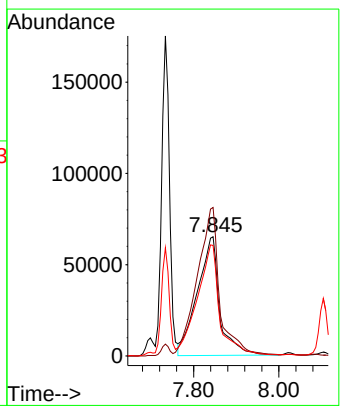


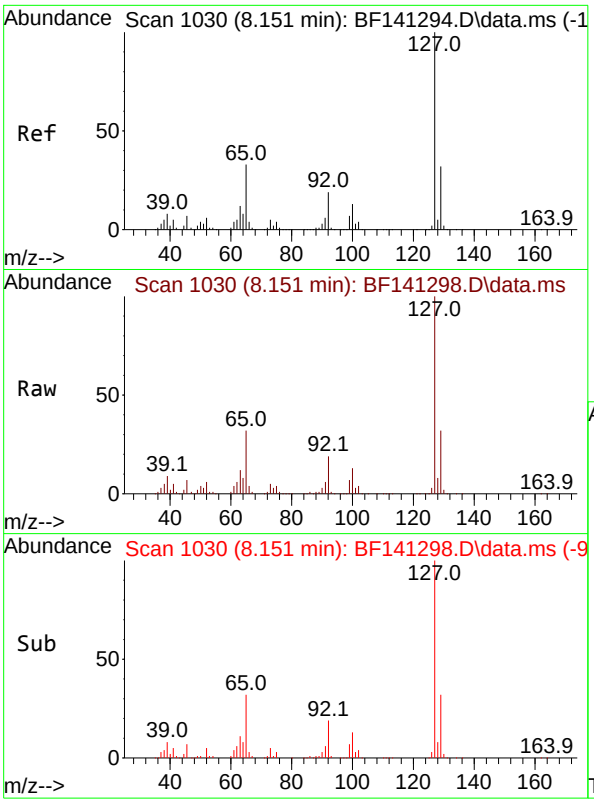


#32
Benzoic acid
Concen: 41.534 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:122 Resp: 236833

Ion	Ratio	Lower	Upper
122	100		
105	124.7	103.4	143.4
77	92.8	70.9	110.9

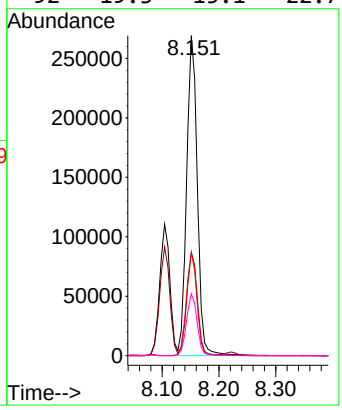




#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:127 Resp: 35042

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	32.3	26.4	39.6
92	19.3	15.1	22.7



Instrument :
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ClientSampleId :
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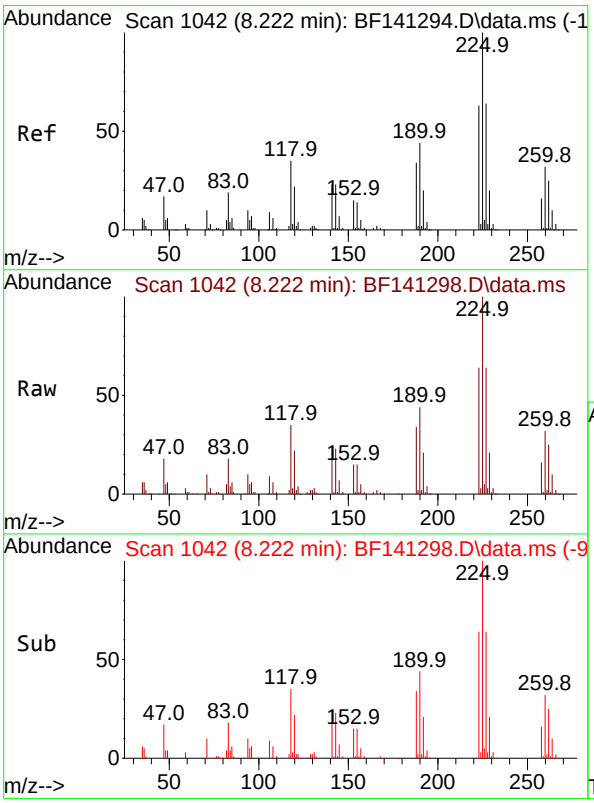
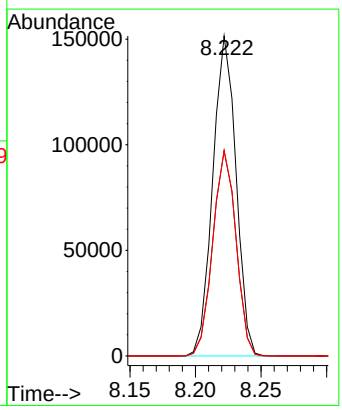
Supervised By :mohammad ahmed 02/04/2025

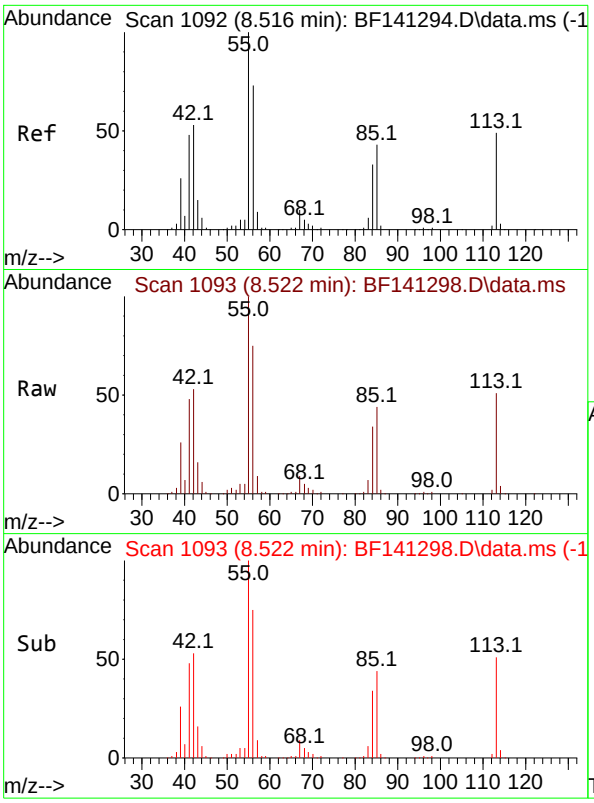


#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:225 Resp: 186523

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.4	75.6
227	64.2	51.3	76.9

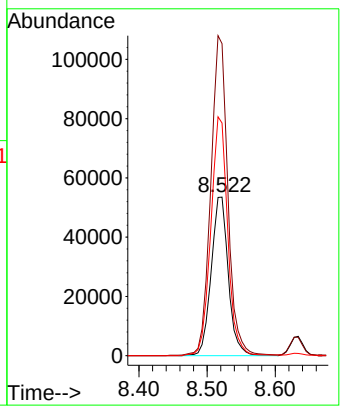




#35
Caprolactam
Concen: 37.662 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:113 Resp: 9340

Ion	Ratio	Lower	Upper
113	100		
55	196.8	182.9	222.9
56	146.7	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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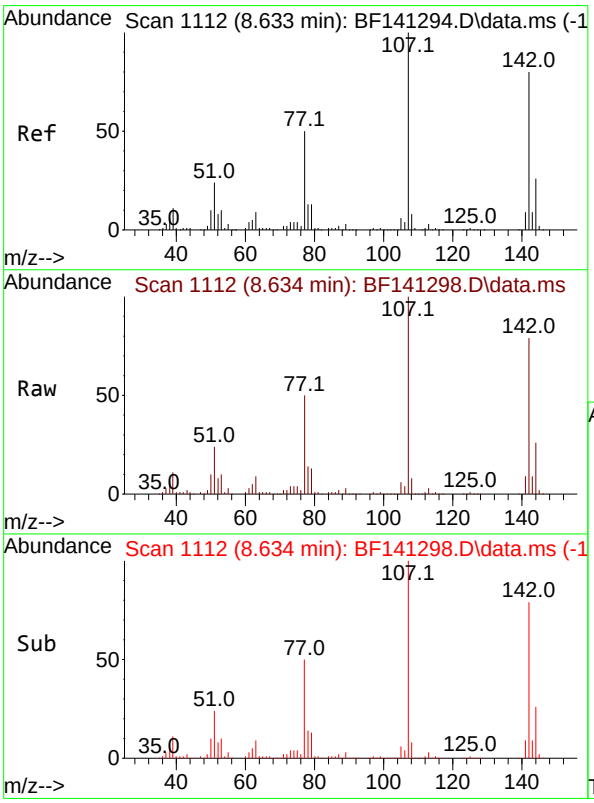
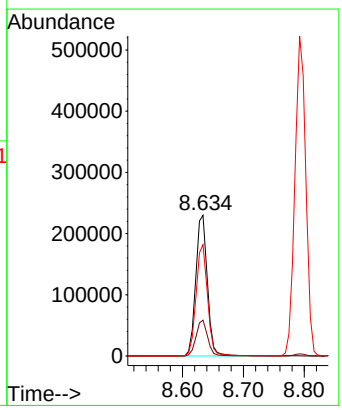
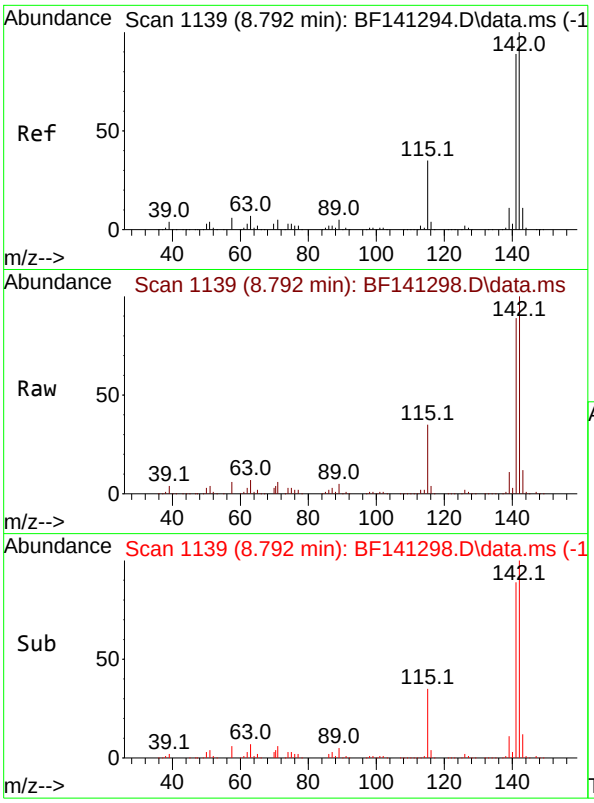


#36
4-Chloro-3-methylphenol
Concen: 37.480 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 305288

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.7	31.1
142	79.1	63.8	95.8





#37
2-Methylnaphthalene
Concen: 36.898 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 65122

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9

Instrument :
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ICVBF012925

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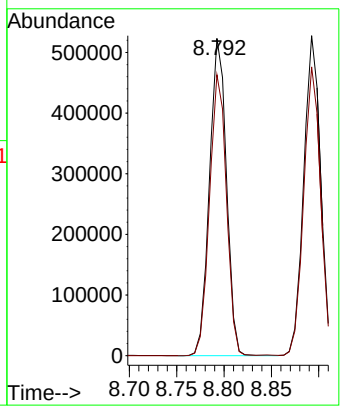
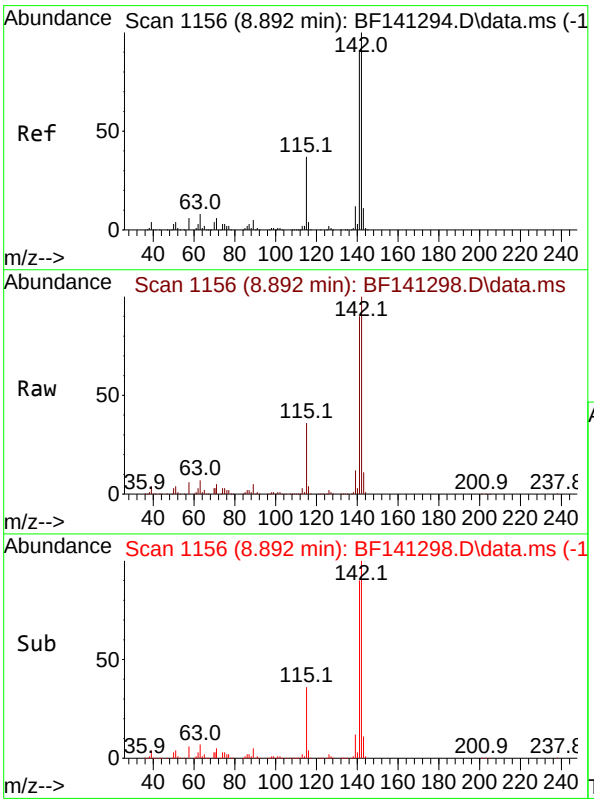
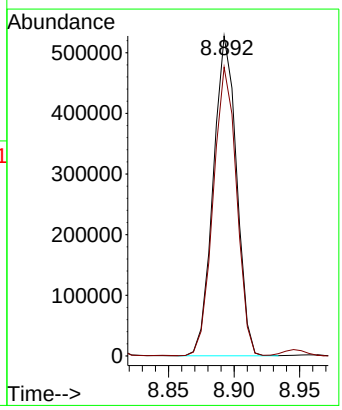


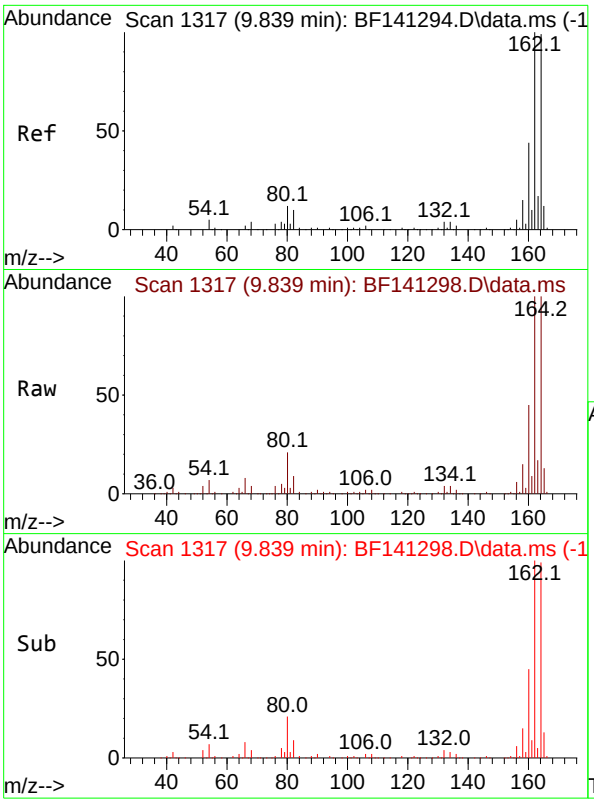


#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 651341

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.2	109.8

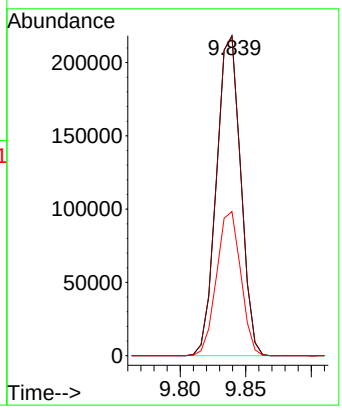




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:164 Resp: 27976

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	121.0
160	45.1	35.8	53.6



Instrument :
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ClientSampleId :
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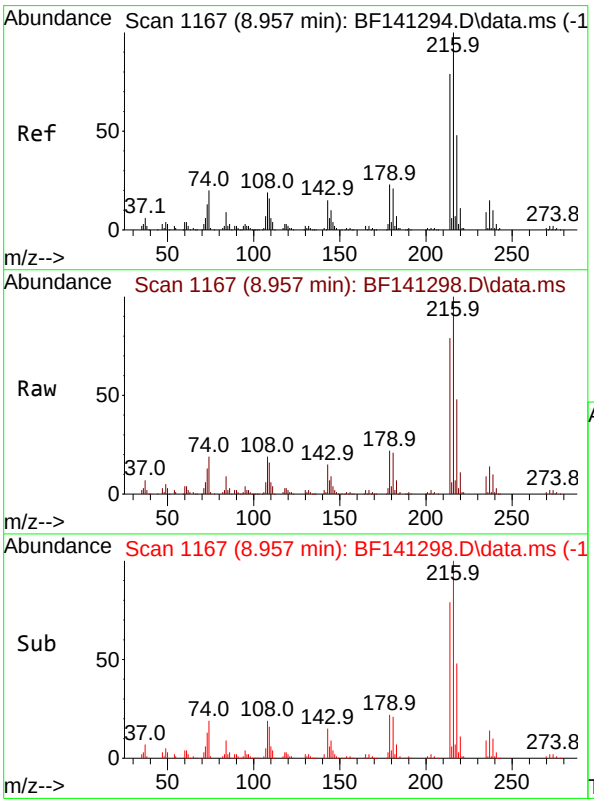
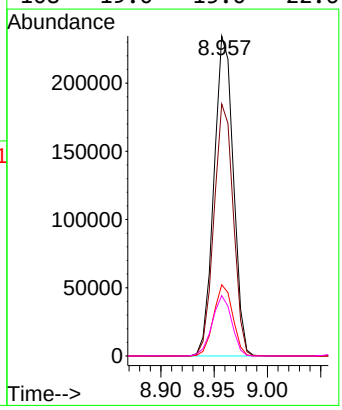
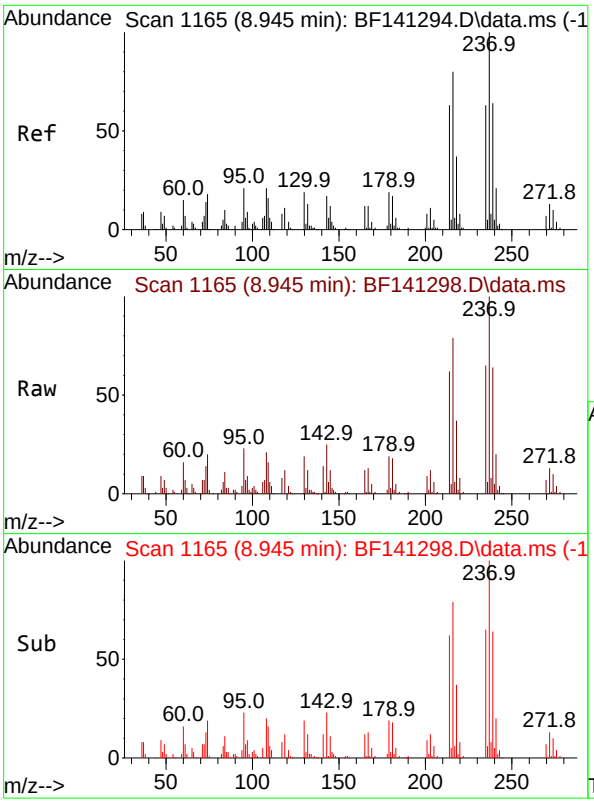


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.226 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:216 Resp: 296277

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.2	94.8
179	22.0	17.8	26.8
108	19.0	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 39.961 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:237 Resp: 9393

Ion	Ratio	Lower	Upper
237	100		
235	64.9	42.9	82.9
272	13.1	0.0	32.8

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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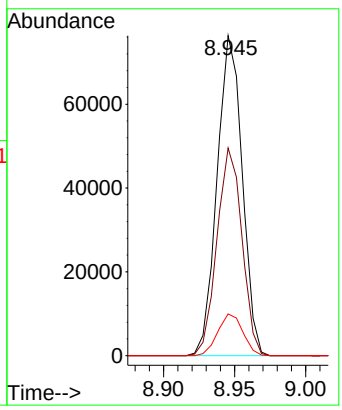
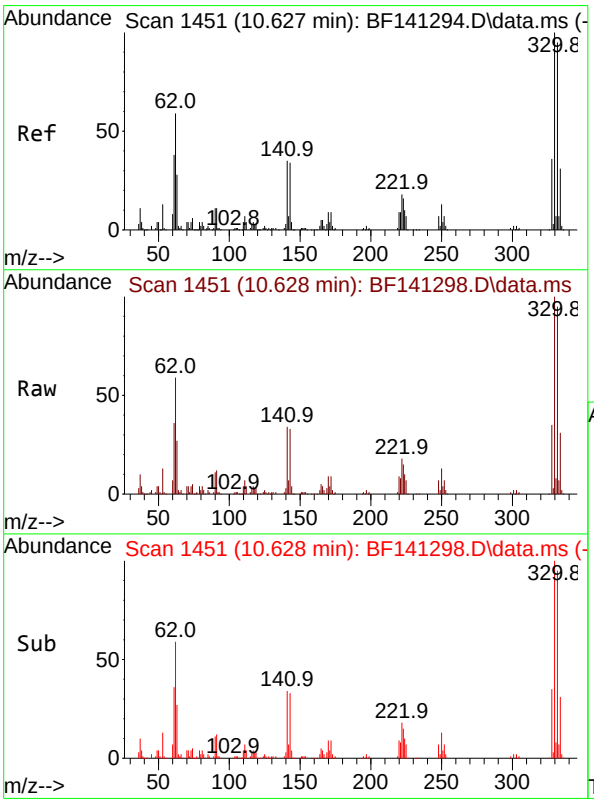
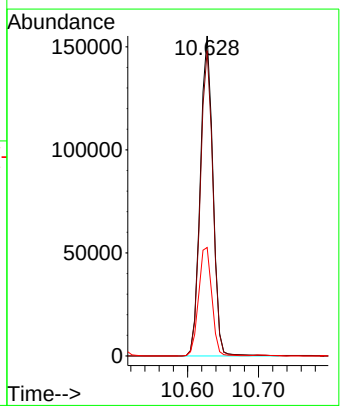


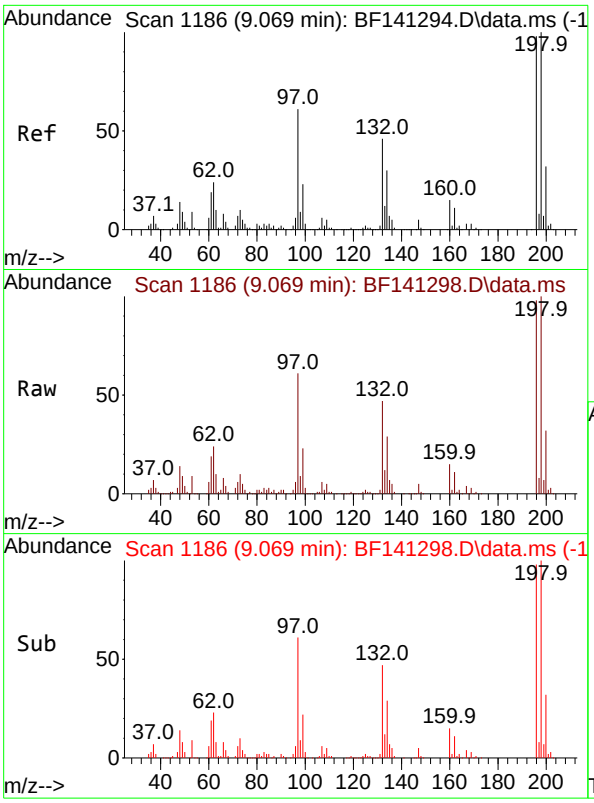


#42
2,4,6-Tribromophenol
Concen: 75.161 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:330 Resp: 192773

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.1	114.1
141	35.5	28.8	43.2

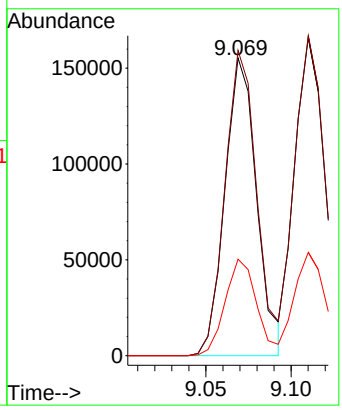




#43
2,4,6-Trichlorophenol
Concen: 38.625 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 20121

Ion	Ratio	Lower	Upper
196	100		
198	102.5	81.8	122.6
200	32.4	26.3	39.5



Instrument :
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ClientSampleId :
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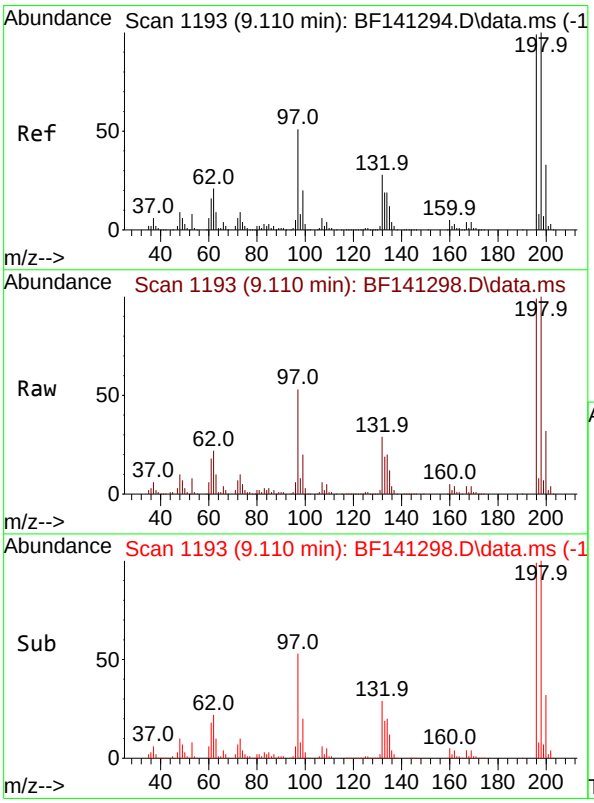
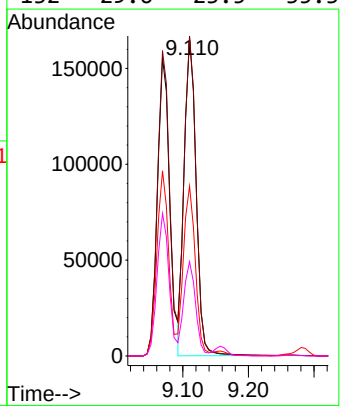
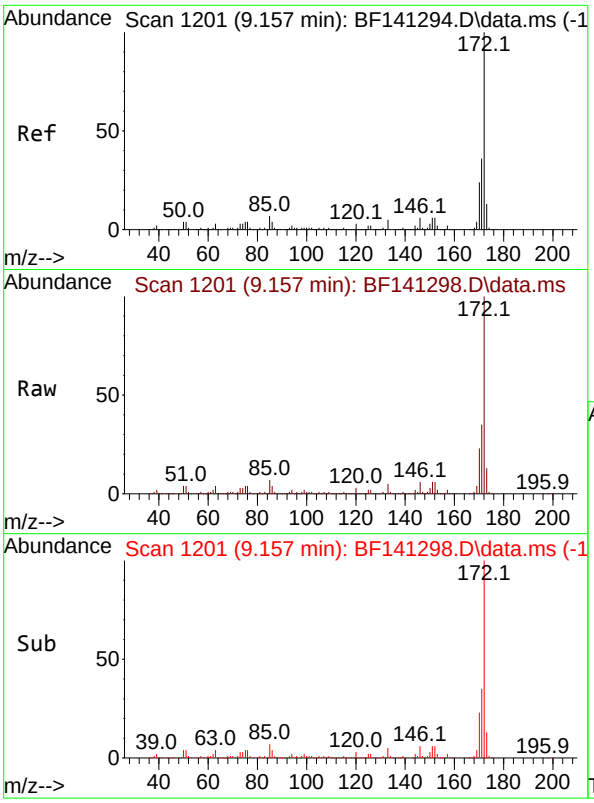


#44
2,4,5-Trichlorophenol
Concen: 36.969 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 209611

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.5	120.7
97	53.3	42.8	64.2
132	29.6	23.5	35.3

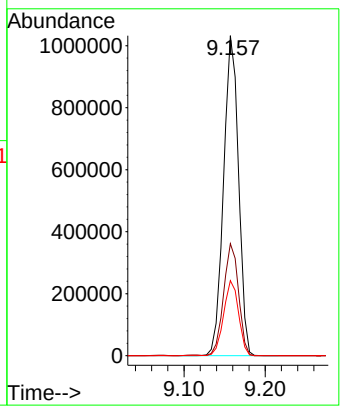




#45
2-Fluorobiphenyl
Concen: 72.938 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:172 Resp: 132572

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
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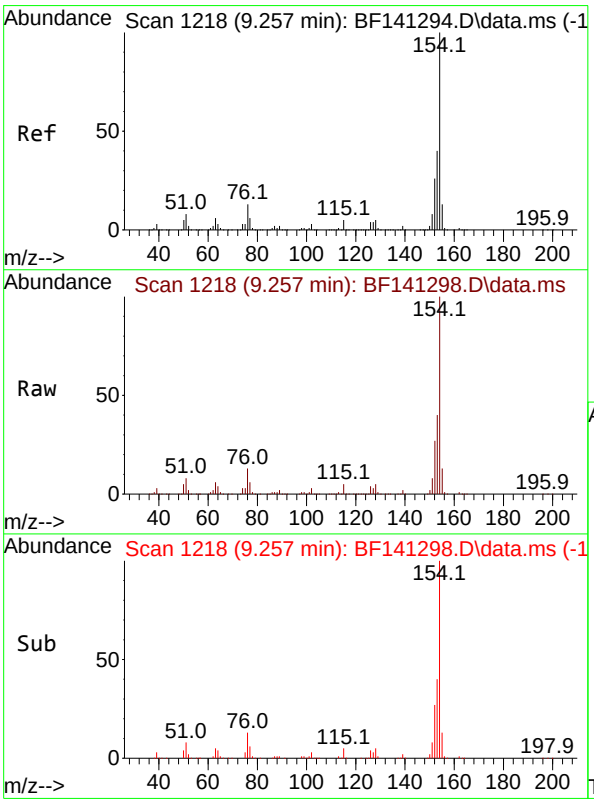
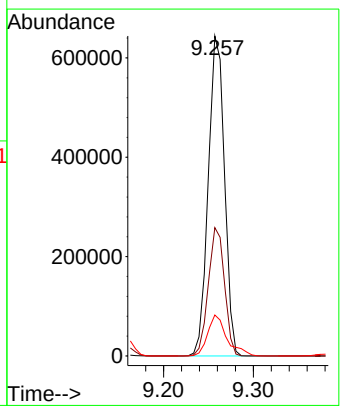
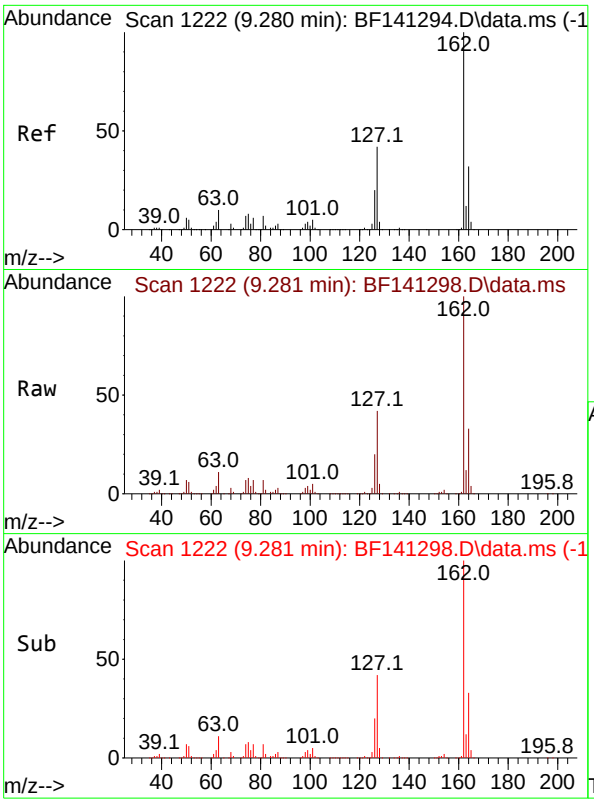


#46
1,1'-Biphenyl
Concen: 37.111 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 809694

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	12.8	0.0	32.8

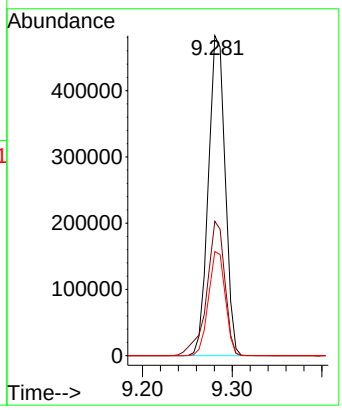




#47
2-Chloronaphthalene
Concen: 36.837 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:162 Resp: 62645

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.7	50.5
164	32.5	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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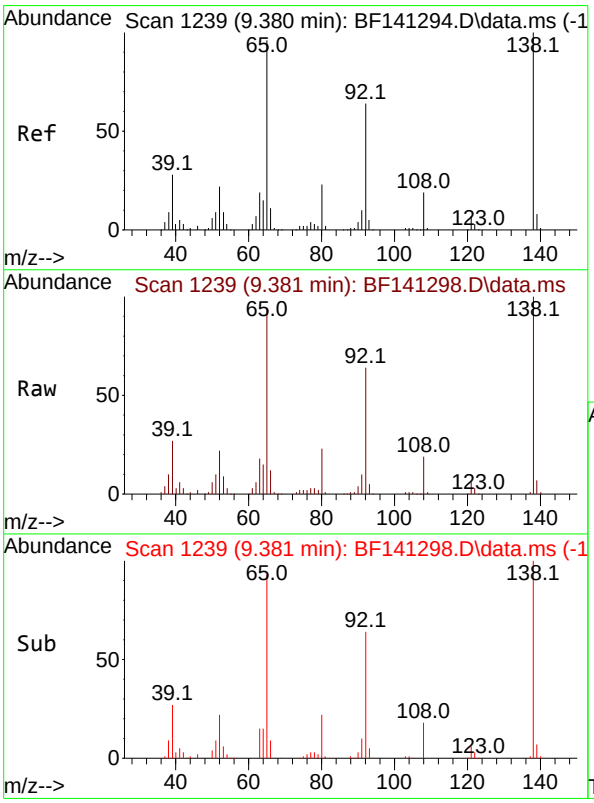
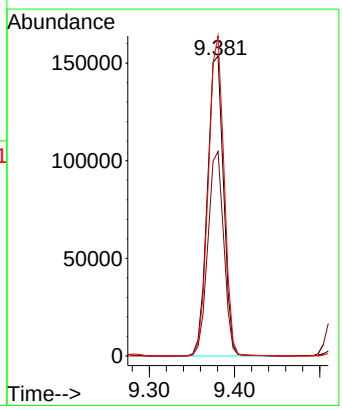
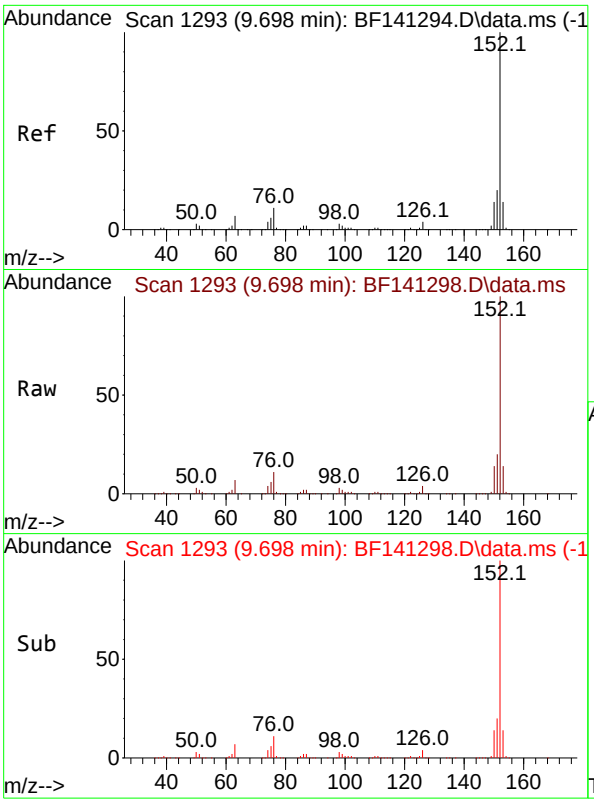


#48
2-Nitroaniline
Concen: 37.970 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 65 Resp: 203104

Ion	Ratio	Lower	Upper
65	100		
92	68.1	53.3	79.9
138	106.7	83.6	125.4

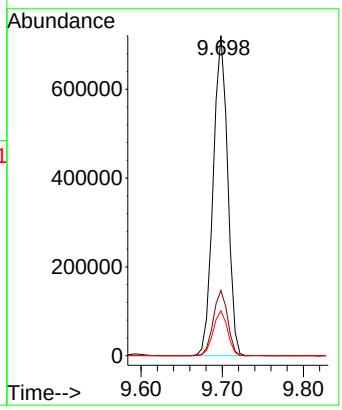




#49
Acenaphthylene
Concen: 37.416 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 89070

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.0	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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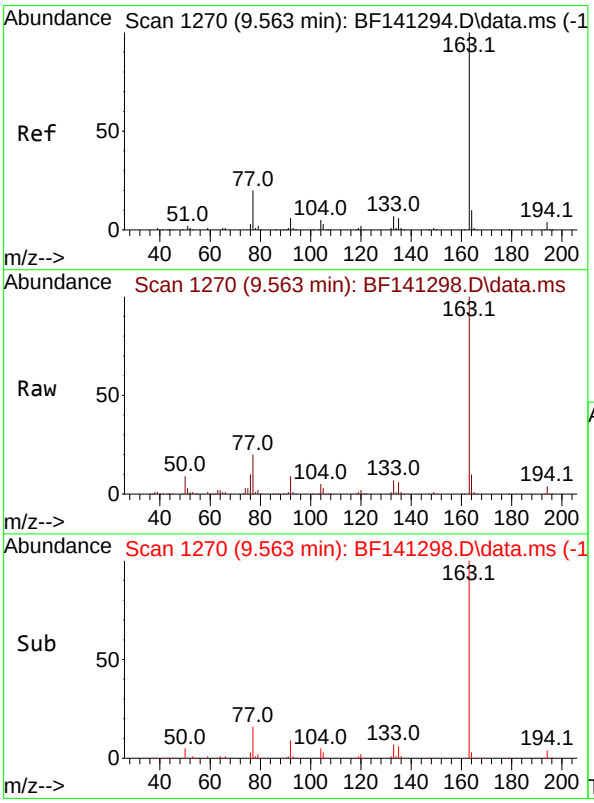
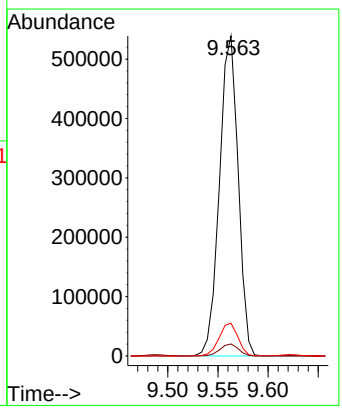
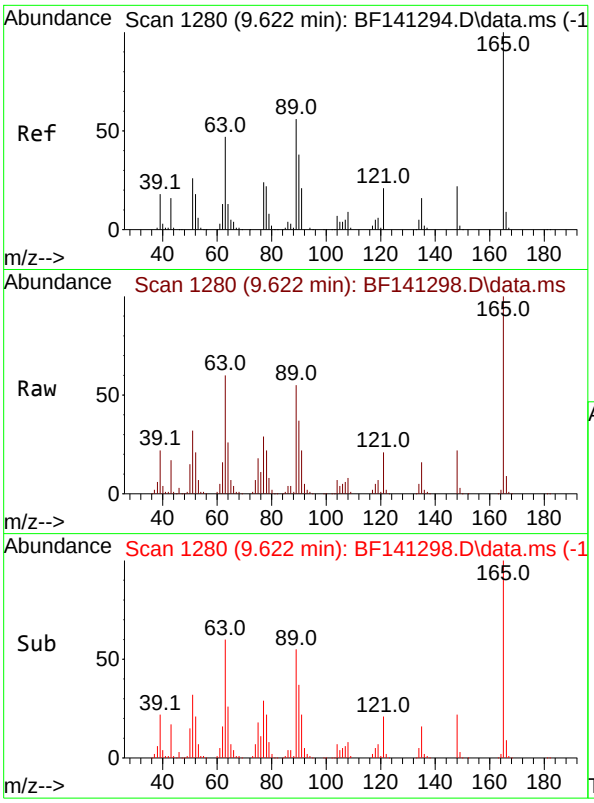


#50
Dimethylphthalate
Concen: 36.904 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:163 Resp: 697300

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:165 Resp: 16434

Ion	Ratio	Lower	Upper
165	100		
63	59.9	48.1	72.1
89	54.7	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
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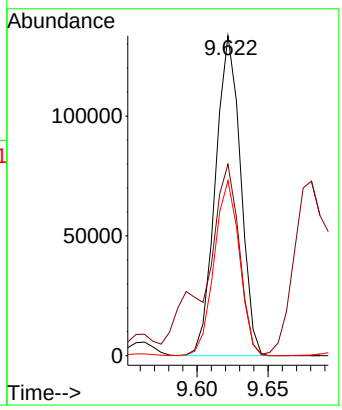
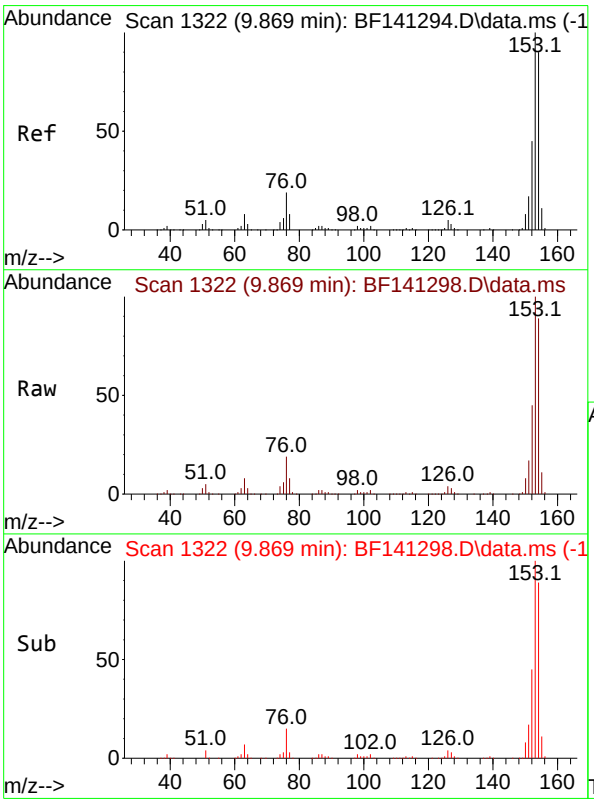
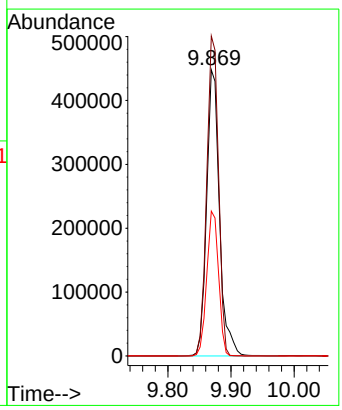


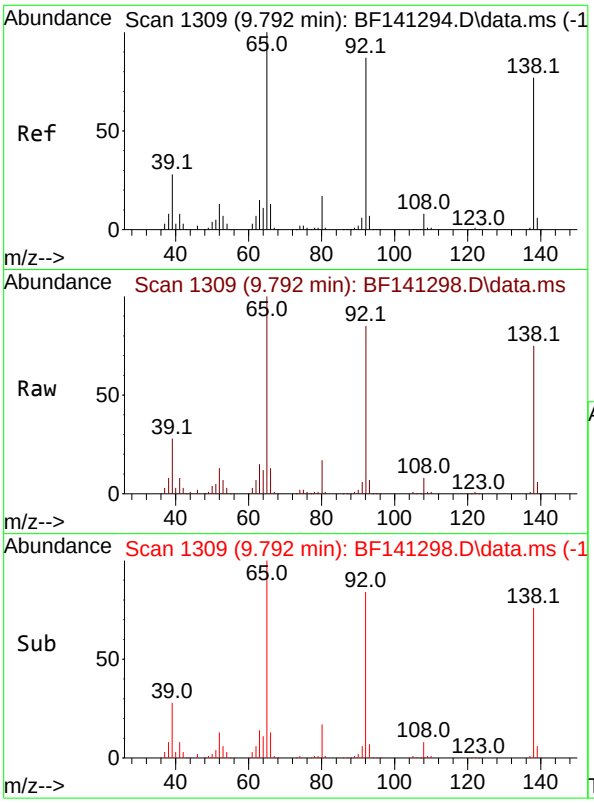


#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 632756

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	50.6	40.2	60.4





#53
3-Nitroaniline
Concen: 38.150 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:138 Resp: 16404

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.6	12.8
92	112.1	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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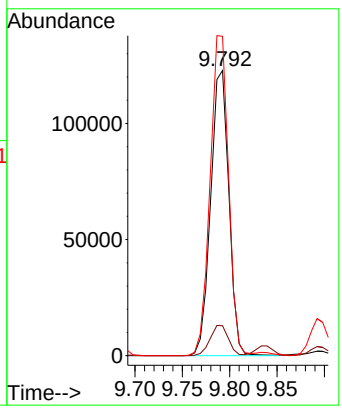
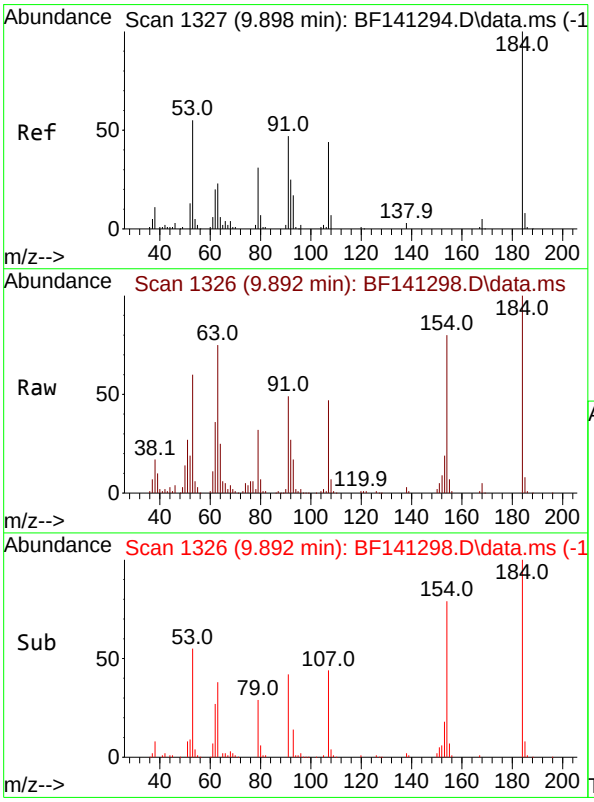
Supervised By :mohammad ahmed 02/04/2025

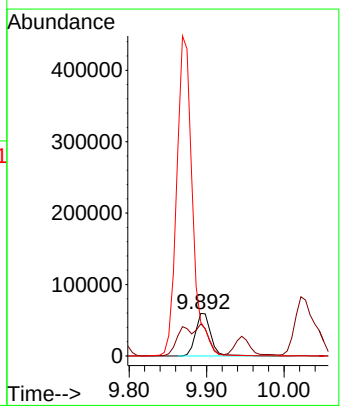


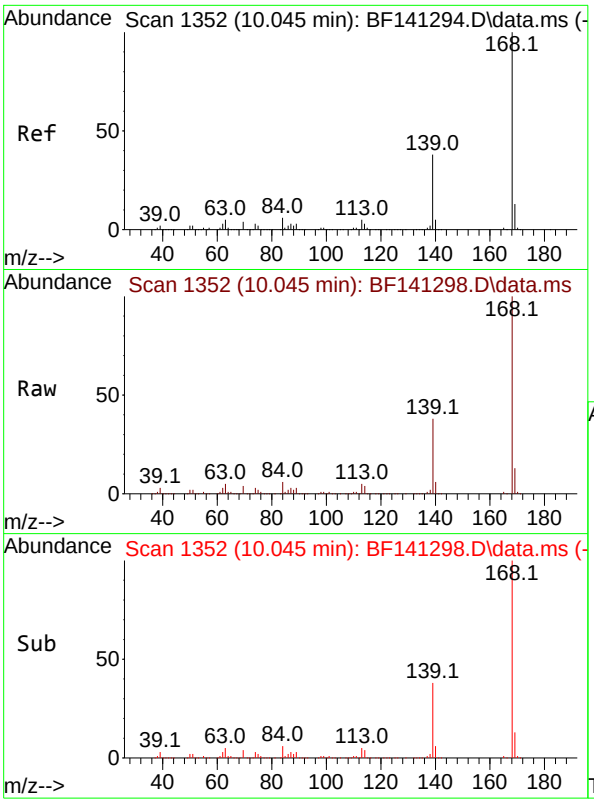


#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 81034

Ion	Ratio	Lower	Upper
184	100		
63	75.3	54.1	81.1
154	79.6	50.7	76.1#

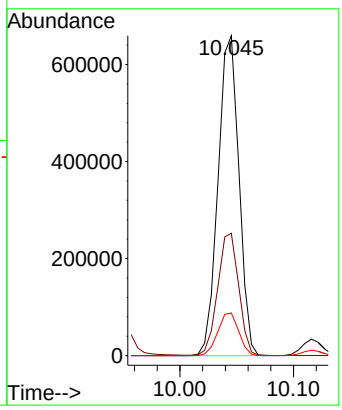




#55
Dibenzofuran
Concen: 37.012 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:168 Resp: 84255

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.6	46.0
169	13.4	10.8	16.2



Instrument :
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ClientSampleId :
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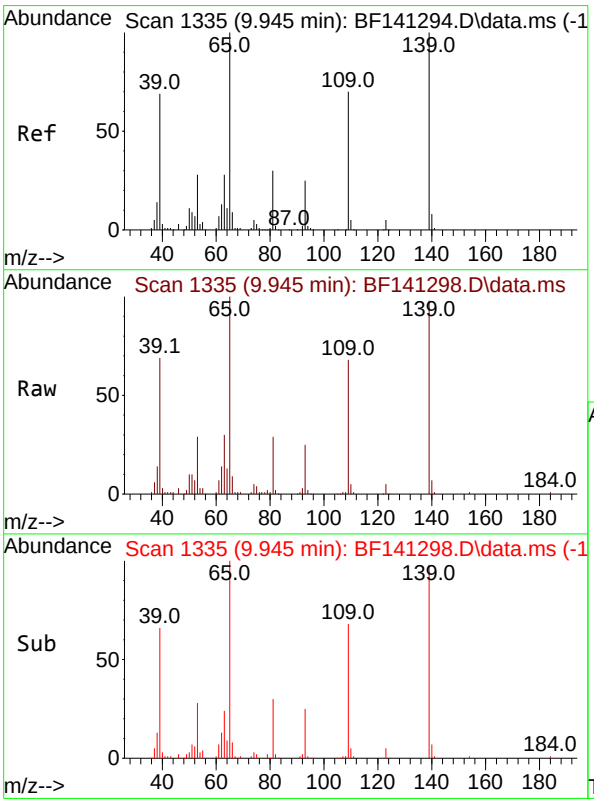
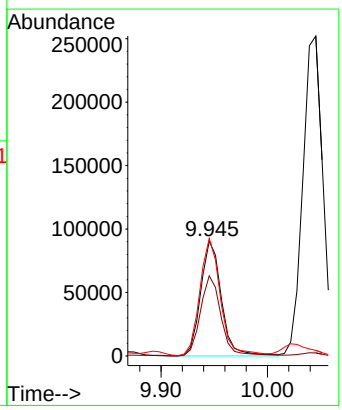
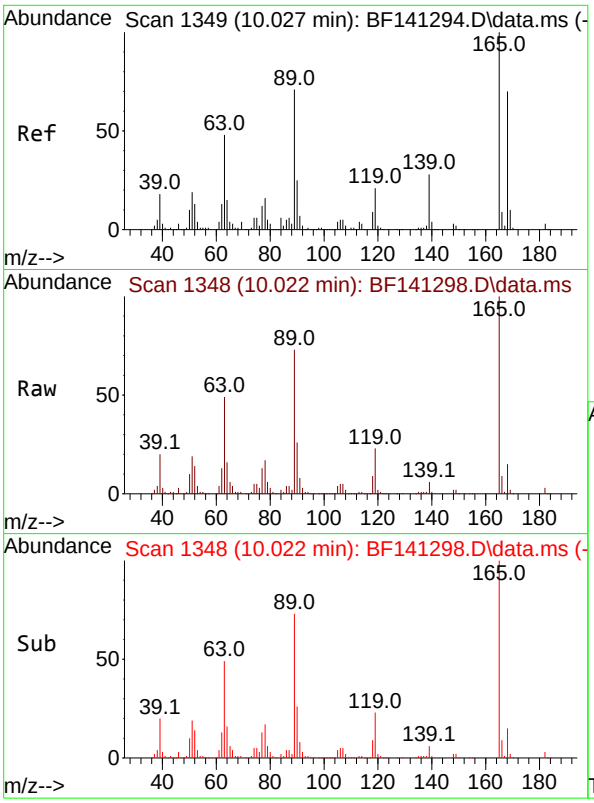


#56
4-Nitrophenol
Concen: 39.089 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 122925

Ion	Ratio	Lower	Upper
139	100		
109	69.7	50.2	90.2
65	102.4	80.6	120.6

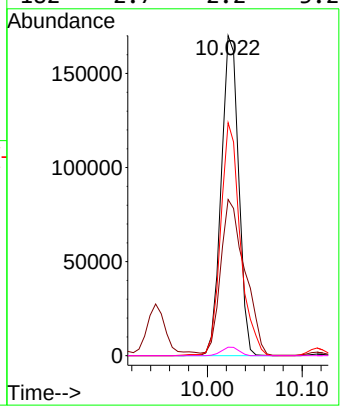




#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:165 Resp: 21770

Ion	Ratio	Lower	Upper
165	100		
63	48.8	39.2	58.8
89	72.8	56.9	85.3
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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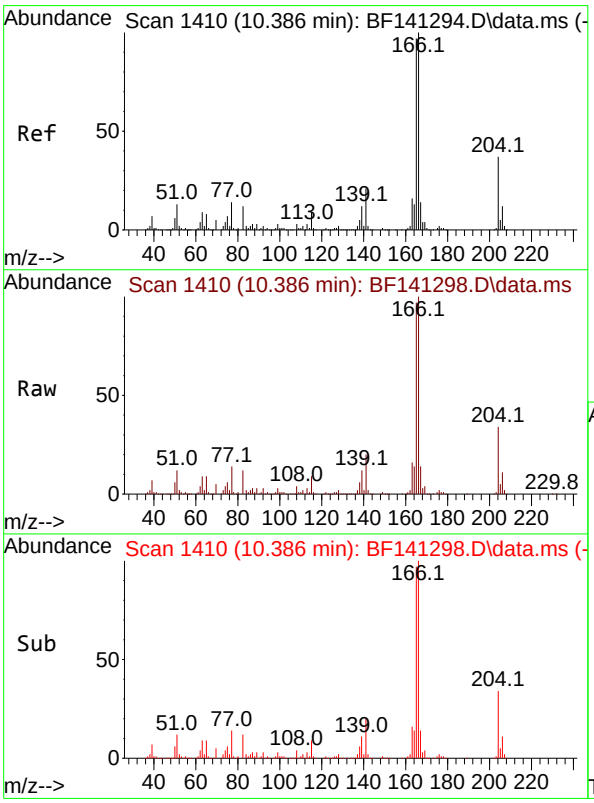
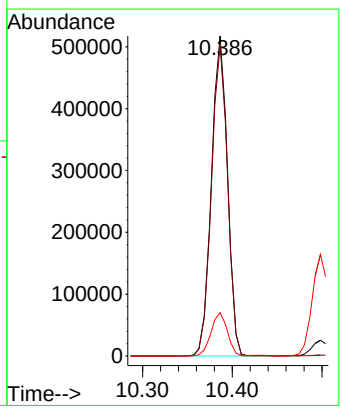
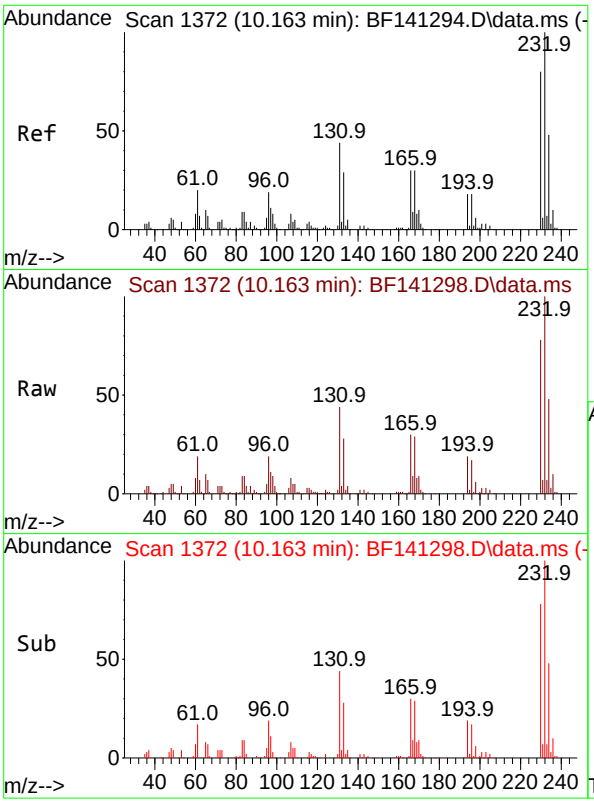


#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:166 Resp: 643639

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.6	10.9	16.3

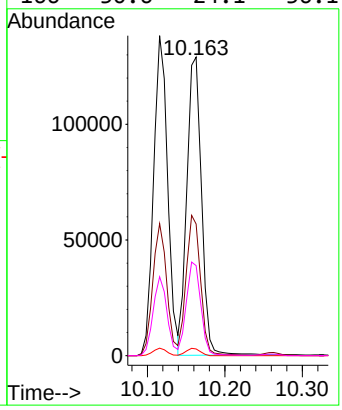




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:232 Resp: 16906

Ion	Ratio	Lower	Upper
232	100		
131	46.5	36.4	54.6
130	2.4	1.9	2.9
166	30.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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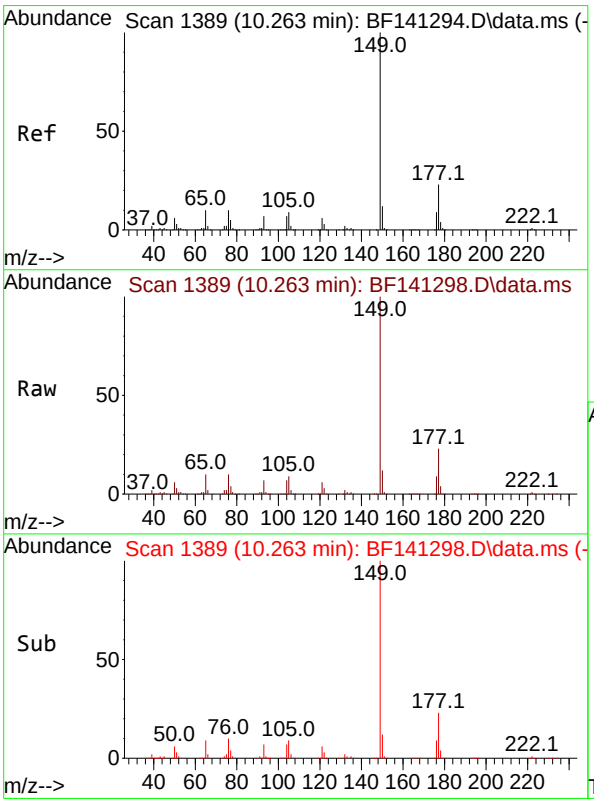
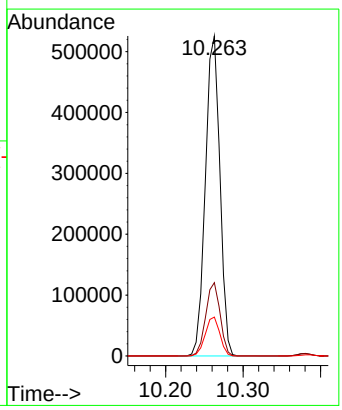
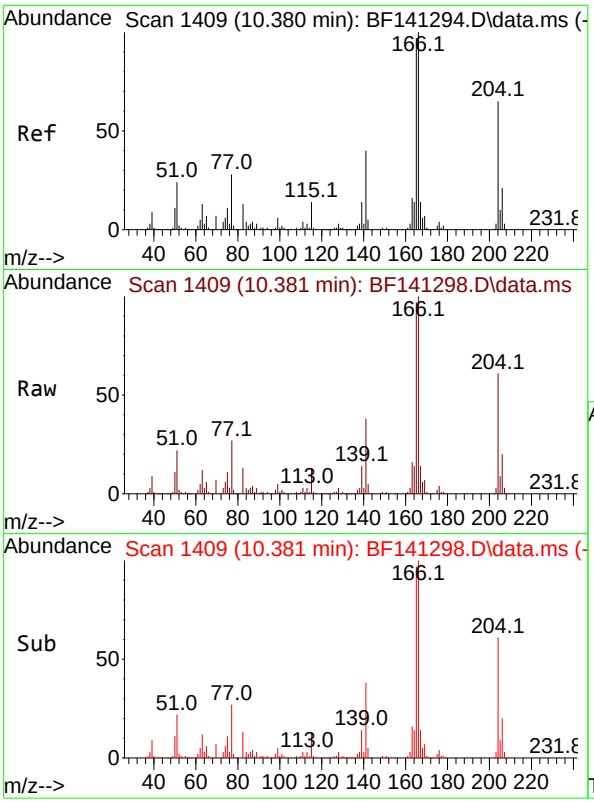


#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 683674

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.1	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:204 Resp: 31206

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	62.6	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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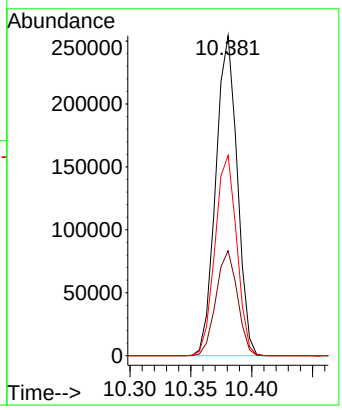
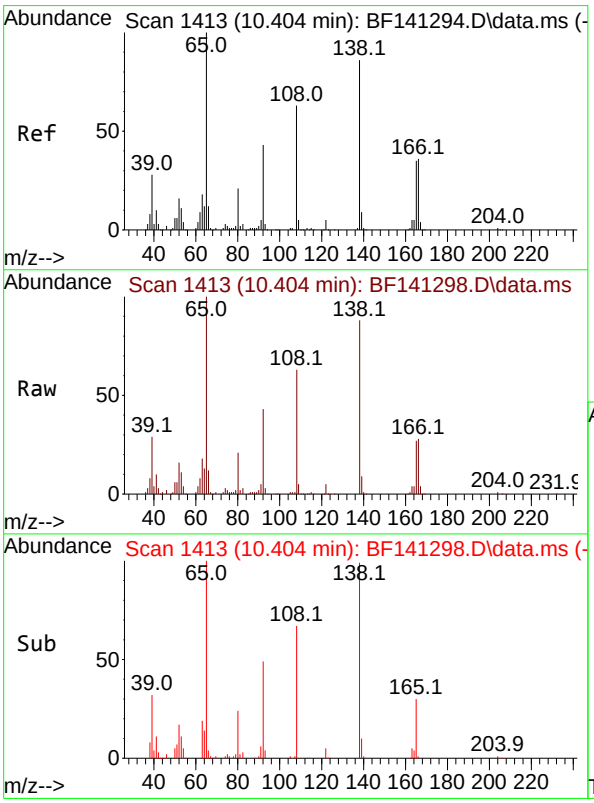
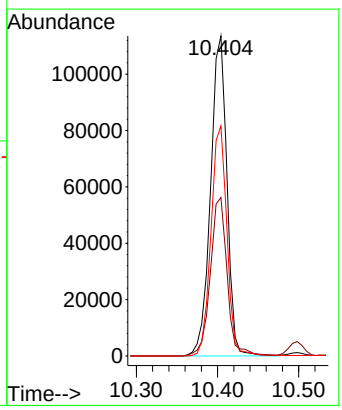


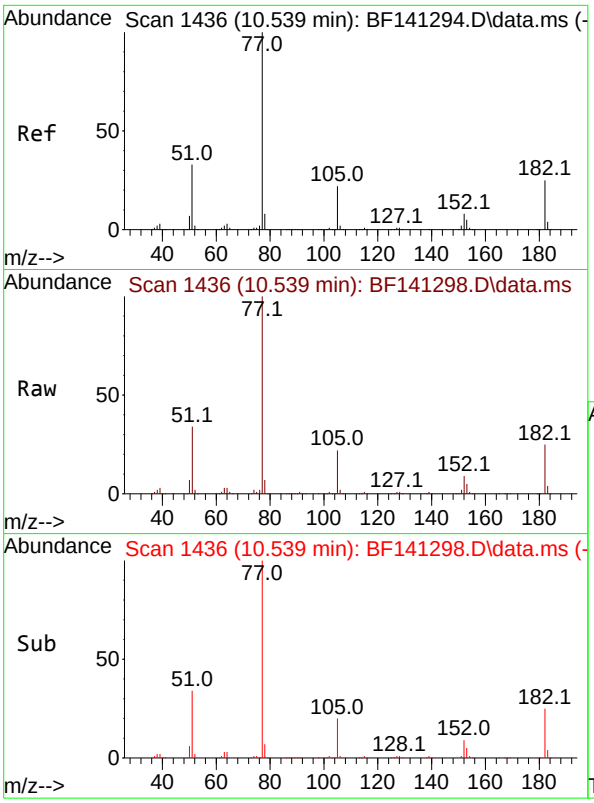


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:138 Resp: 159227

Ion	Ratio	Lower	Upper
138	100		
92	49.5	30.1	70.1
108	71.9	53.1	93.1





#63
Azobenzene
Concen: 37.020 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion: 77 Resp: 67890

Ion	Ratio	Lower	Upper
77	100		
182	25.2	5.1	45.1
105	22.0	1.8	41.8
51	34.0	14.0	54.0

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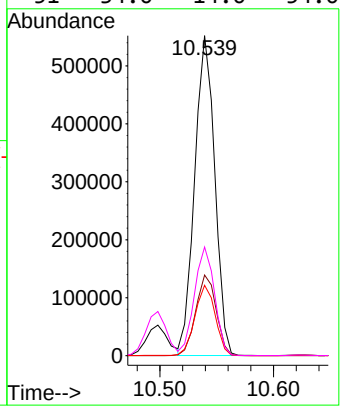
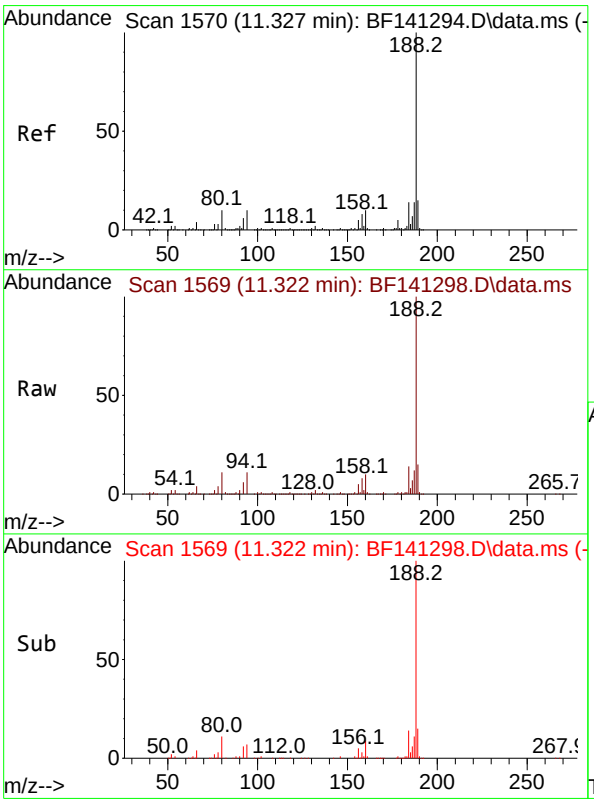
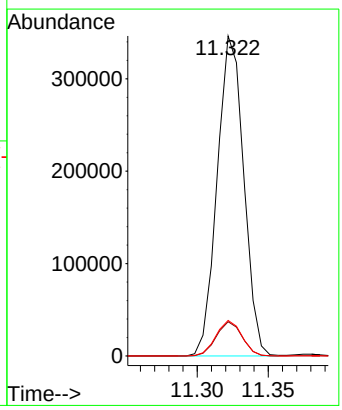


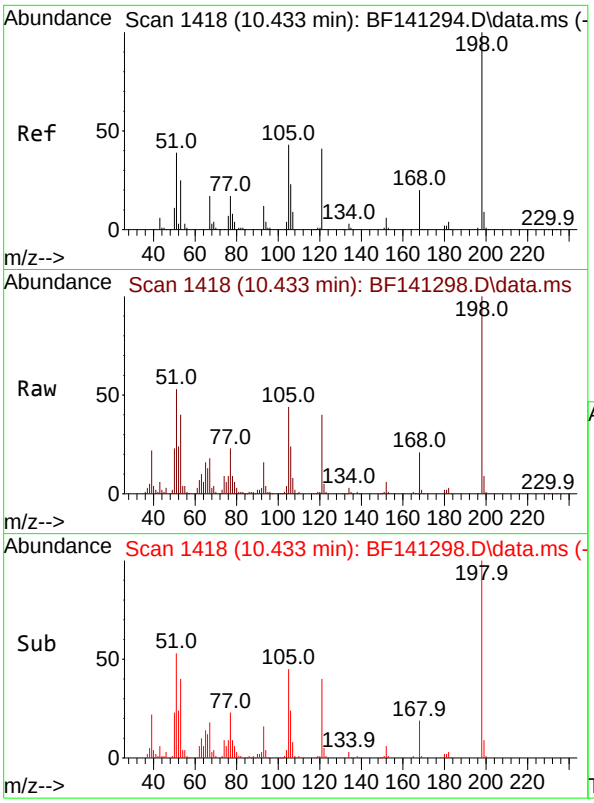


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:188 Resp: 450291

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.1	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 41.913 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:198 Resp: 11163

Ion	Ratio	Lower	Upper
198	100		
51	52.5	33.4	73.4
105	44.4	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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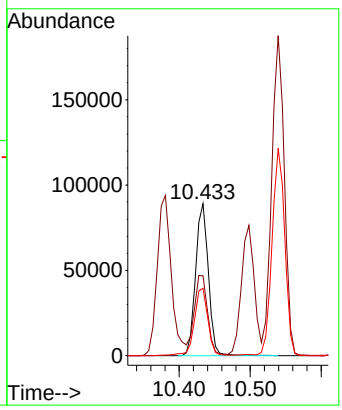
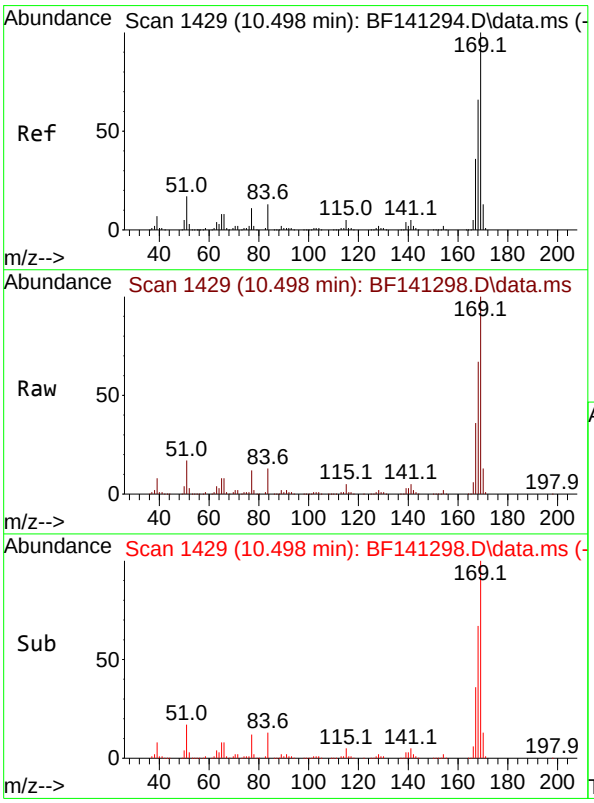
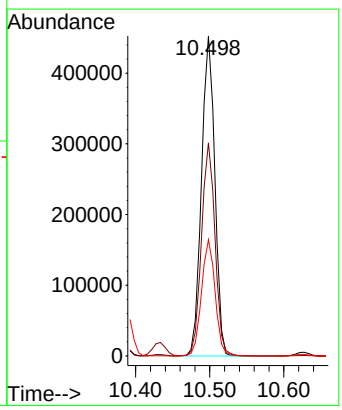


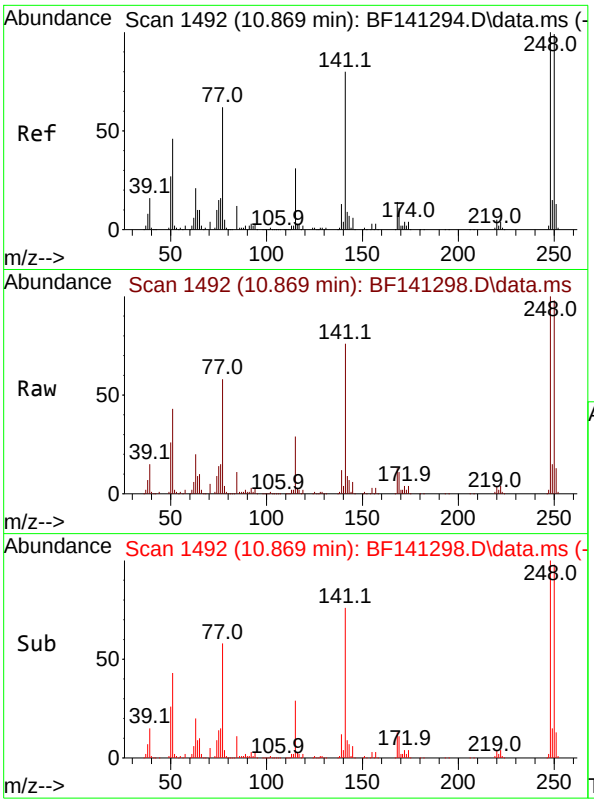


#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:169 Resp: 564452

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:248 Resp: 199009

Ion	Ratio	Lower	Upper
248	100		
250	98.4	79.0	118.4
141	75.9	63.7	95.5

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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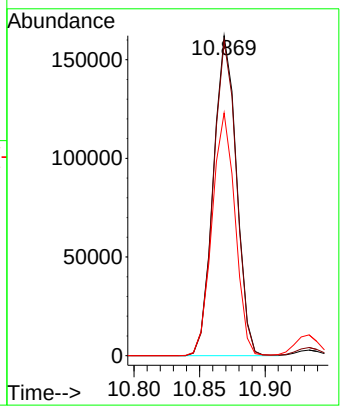
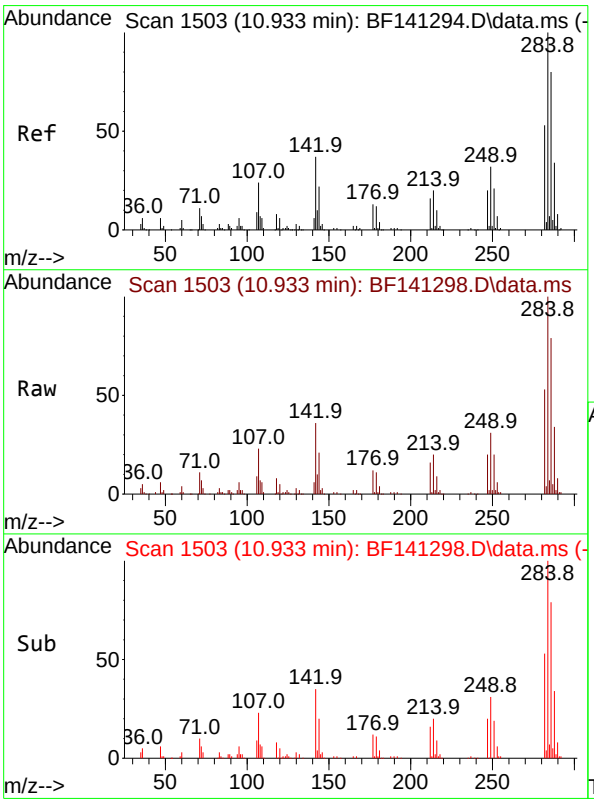
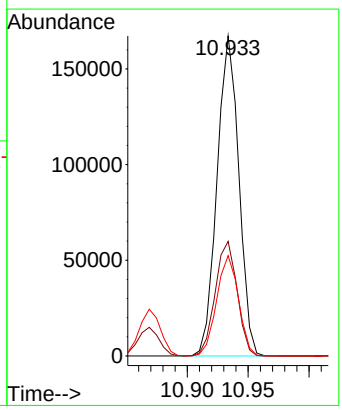


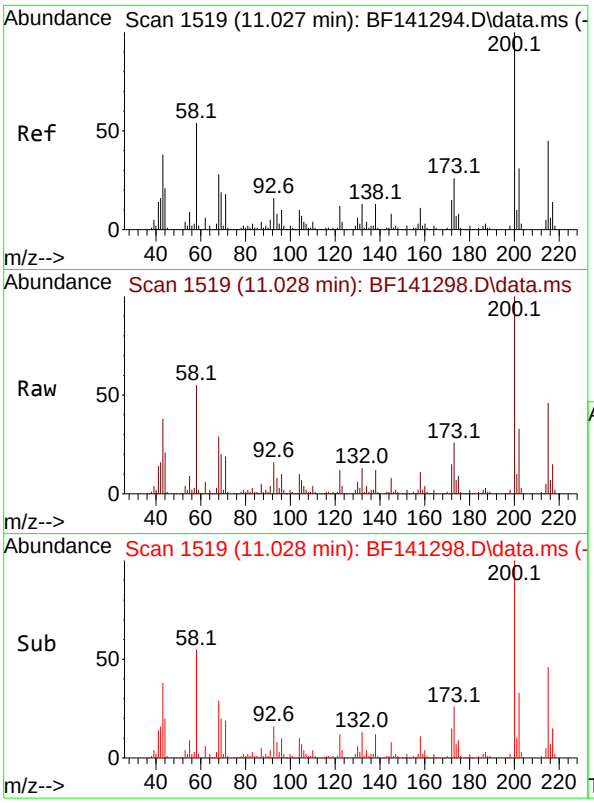


#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:284 Resp: 208171

Ion	Ratio	Lower	Upper
284	100		
142	35.8	29.5	44.3
249	31.3	25.4	38.2

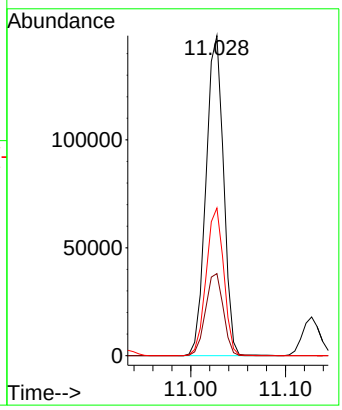




#69
Atrazine
Concen: 39.215 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:200 Resp: 19095

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.9	45.9
215	46.1	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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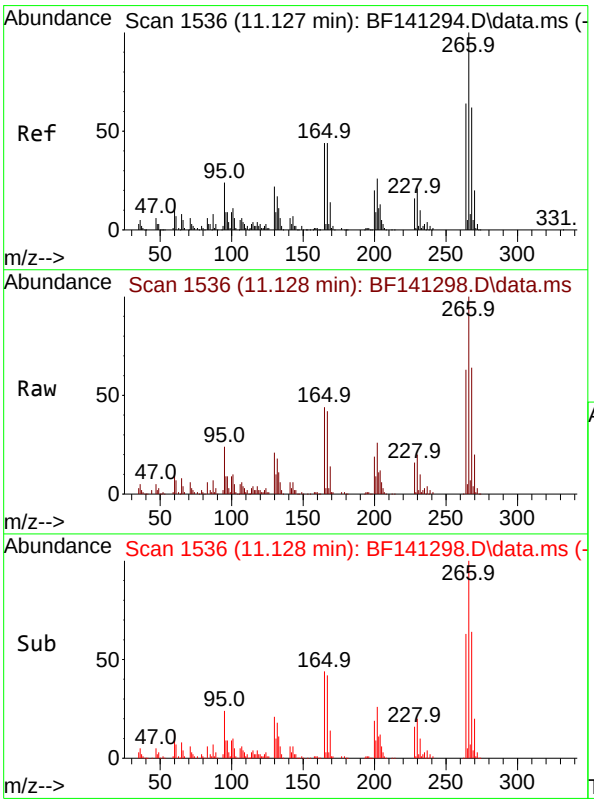
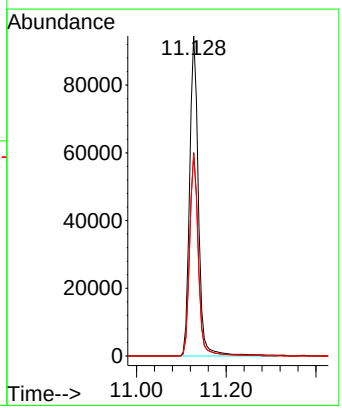
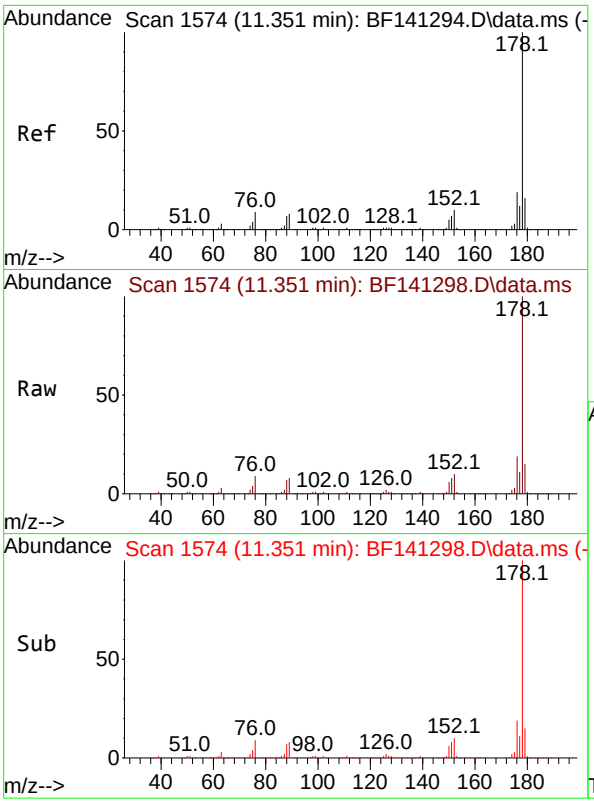


#70
Pentachlorophenol
Concen: 40.973 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:266 Resp: 128300

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.9	74.9
264	63.0	51.0	76.4

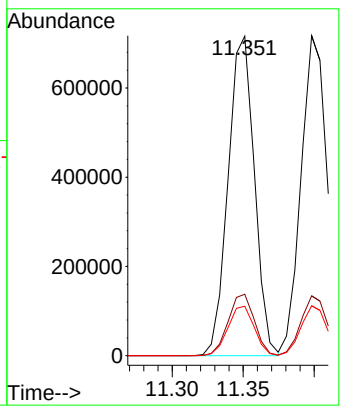




#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:178 Resp: 92262

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.5	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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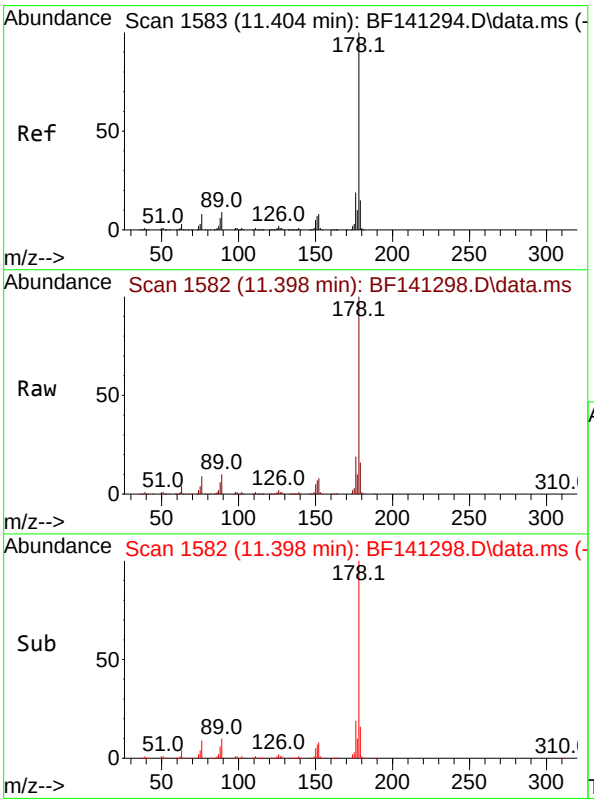
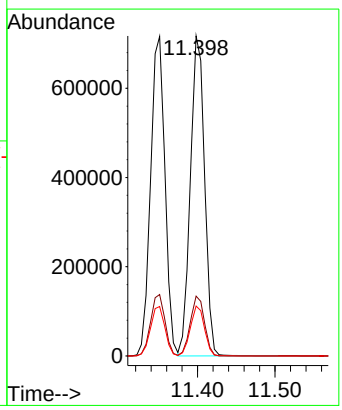
Supervised By :mohammad ahmed 02/04/2025

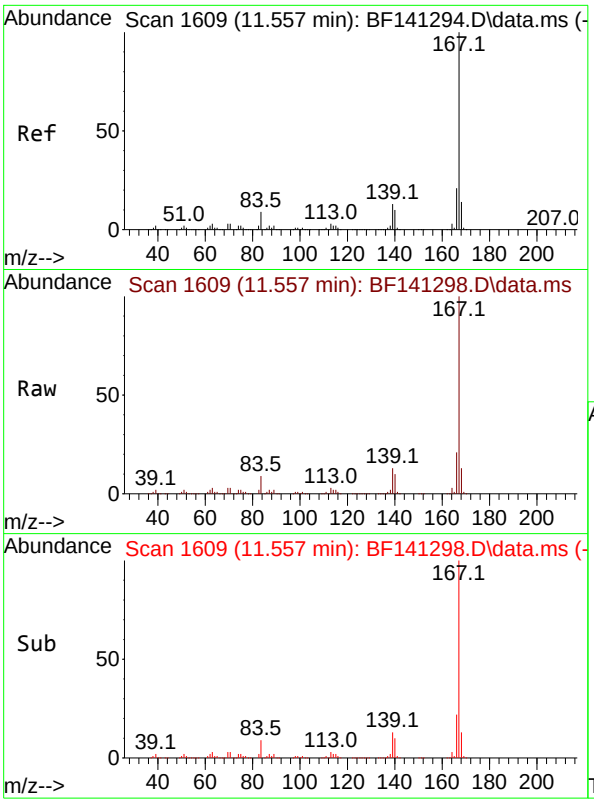


#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:178 Resp: 912703

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

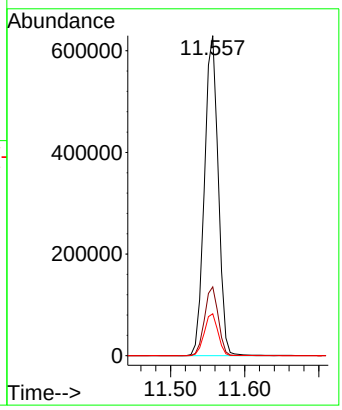




#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:167 Resp: 81303

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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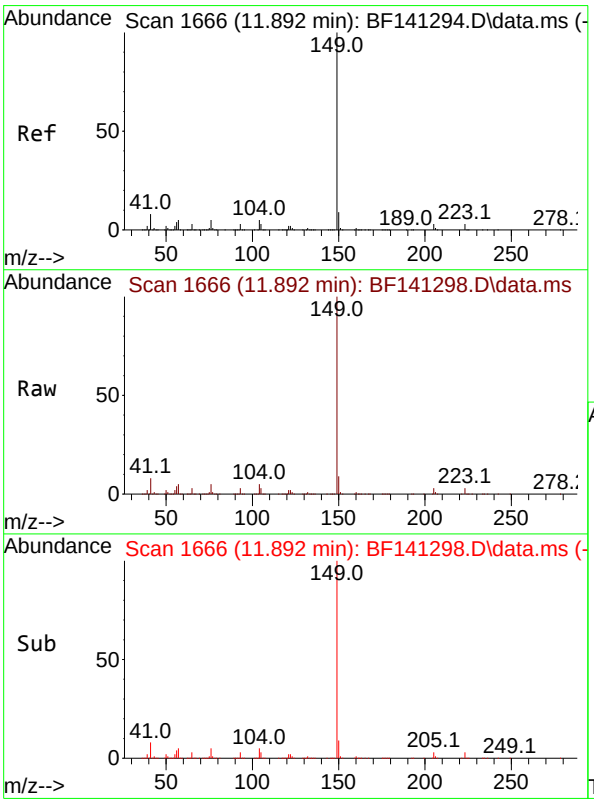
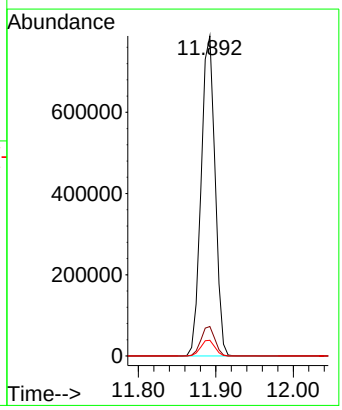
Supervised By :mohammad ahmed 02/04/2025

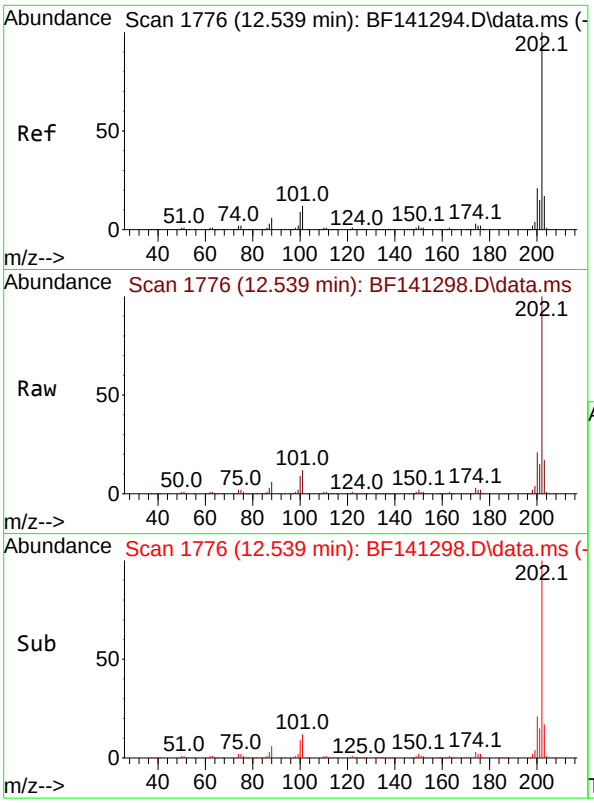


#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 984759

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.9	5.9





#75
Fluoranthene
Concen: 37.768 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:202 Resp: 90263

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.4	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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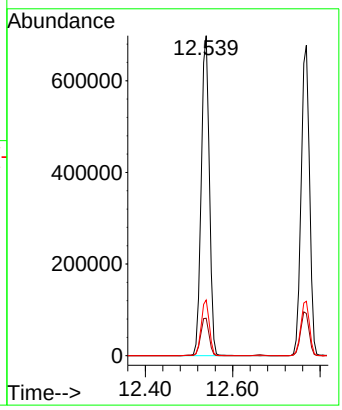
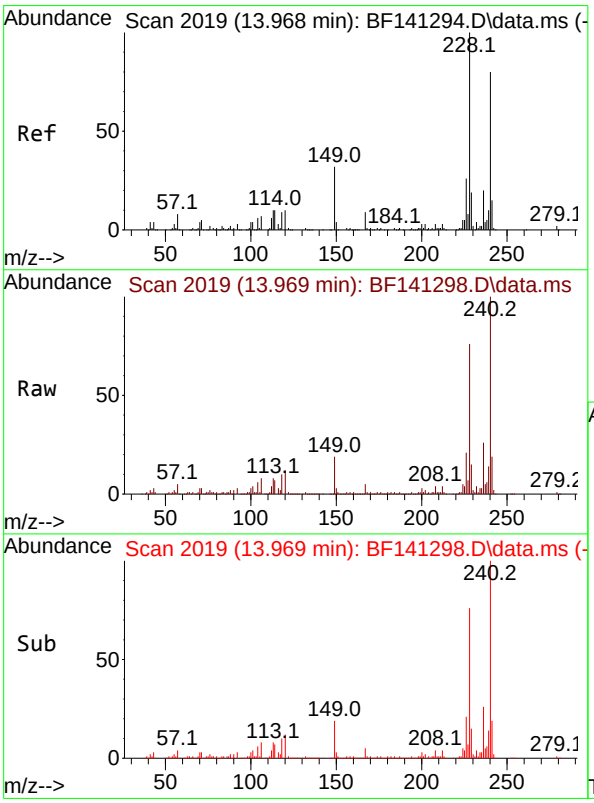
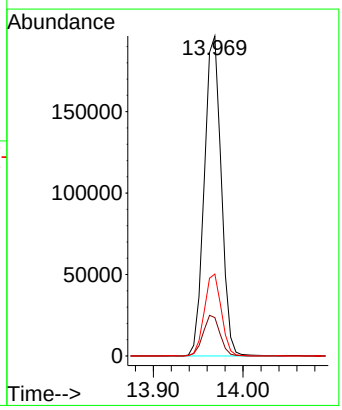


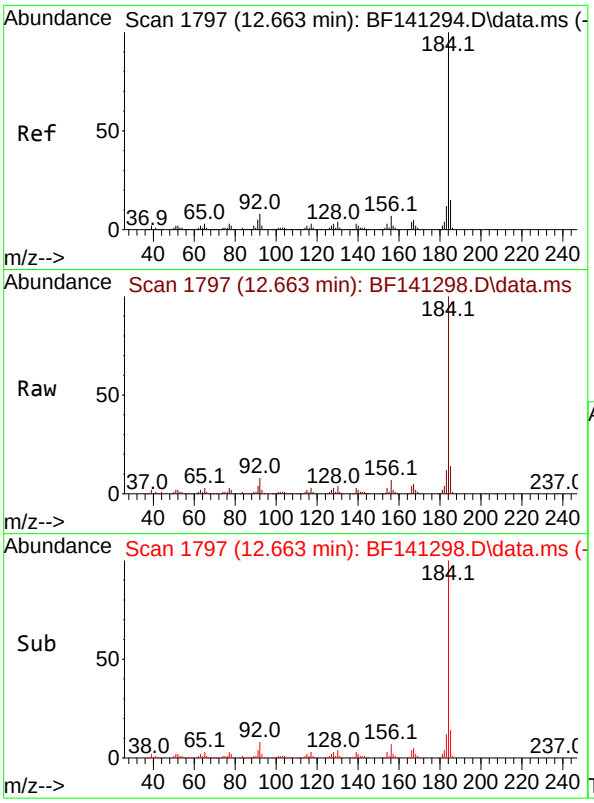


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:240 Resp: 257177

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.0	15.0
236	25.6	19.7	29.5

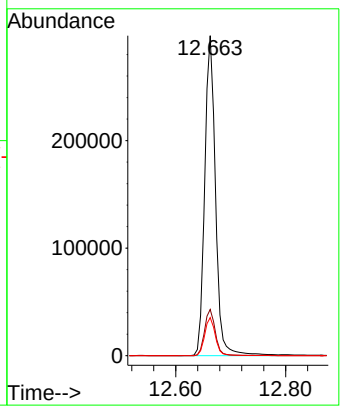




#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 40516

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.9	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
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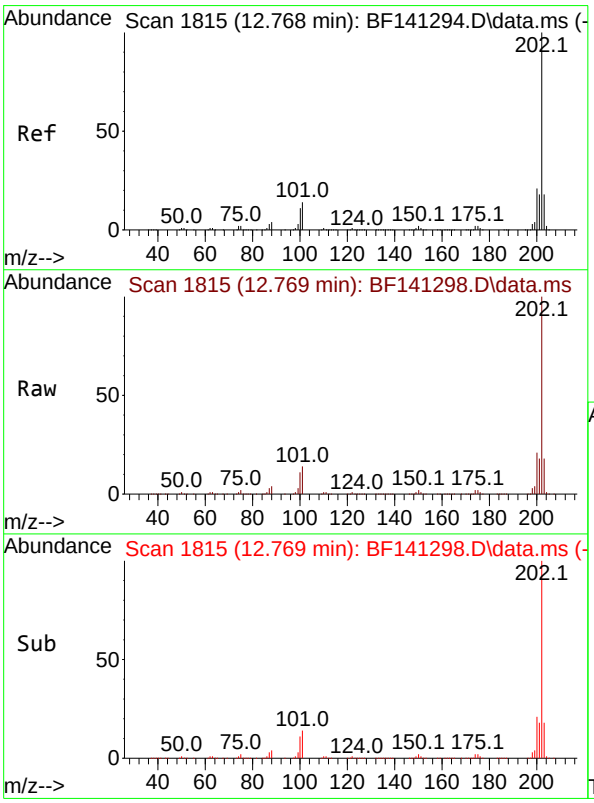
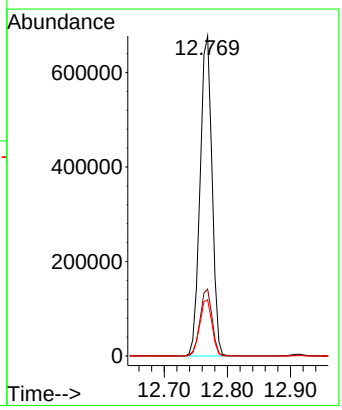
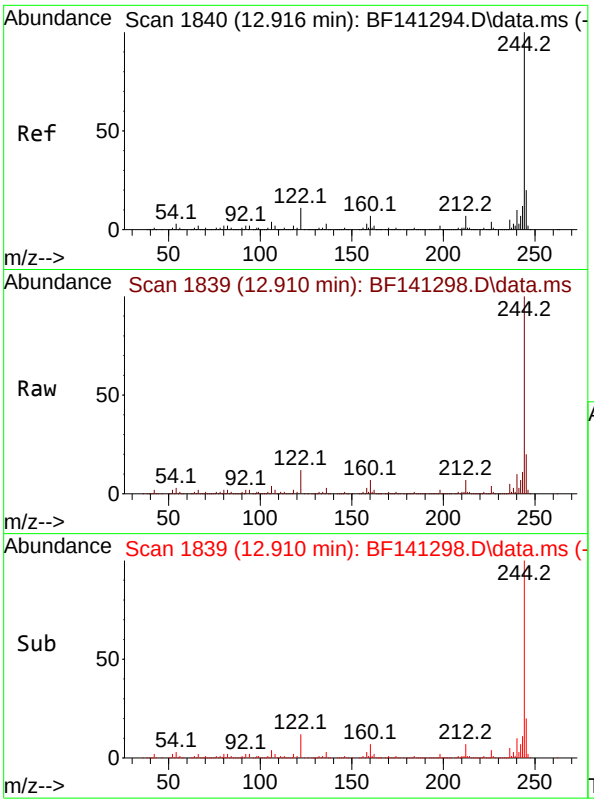


#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:202 Resp: 894269

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.5	14.3	21.5

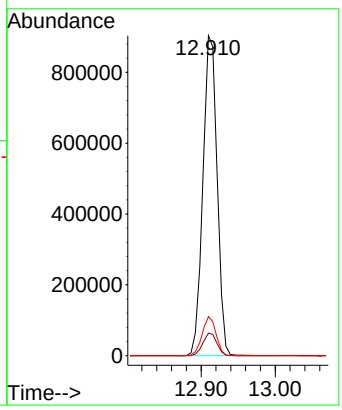




#79
Terphenyl-d14
Concen: 72.460 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:244 Resp: 120835

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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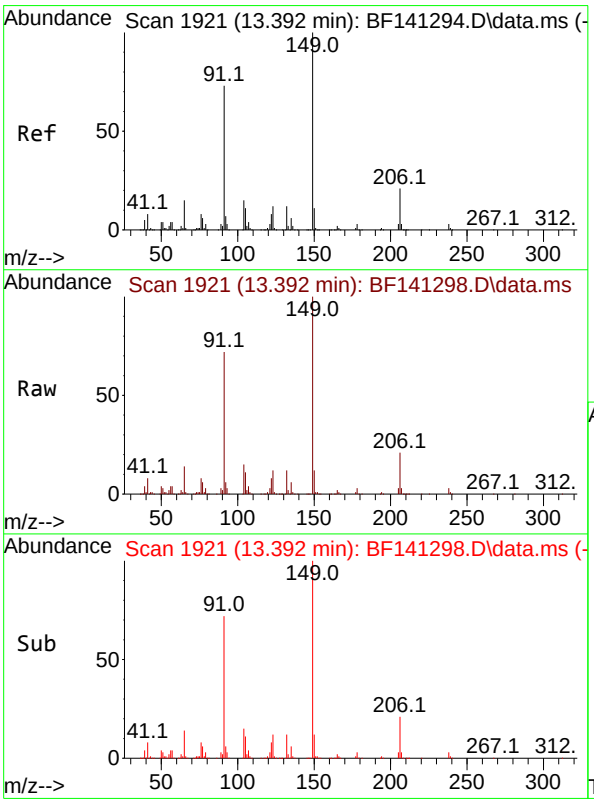
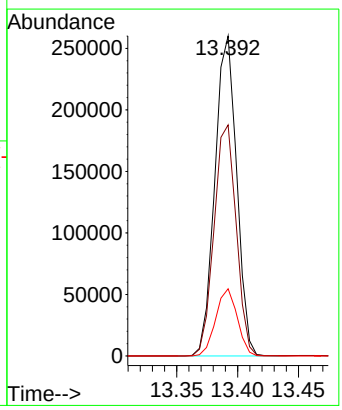
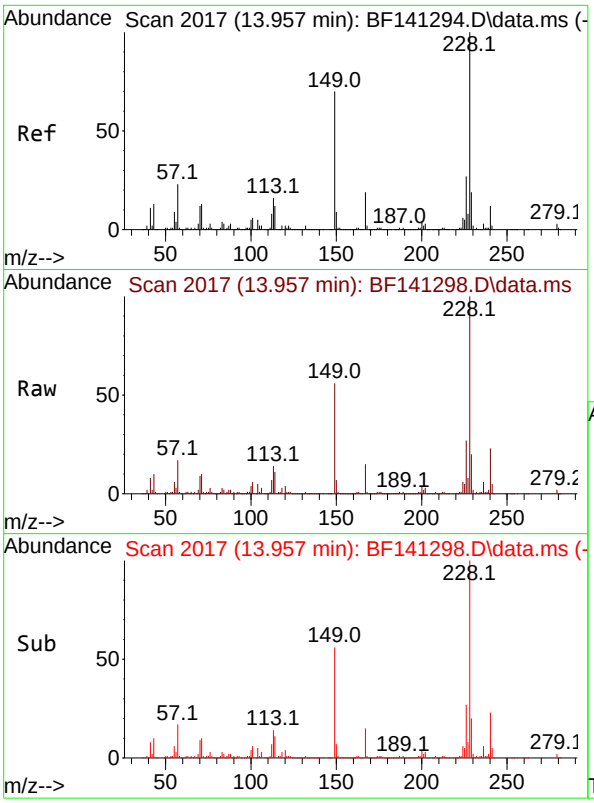


#80
Butylbenzylphthalate
Concen: 37.660 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 324793

Ion	Ratio	Lower	Upper
149	100		
91	72.2	58.6	87.8
206	21.0	16.7	25.1

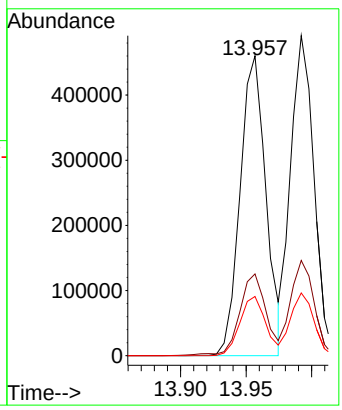




#81
Benzo(a)anthracene
Concen: 35.587 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 63155

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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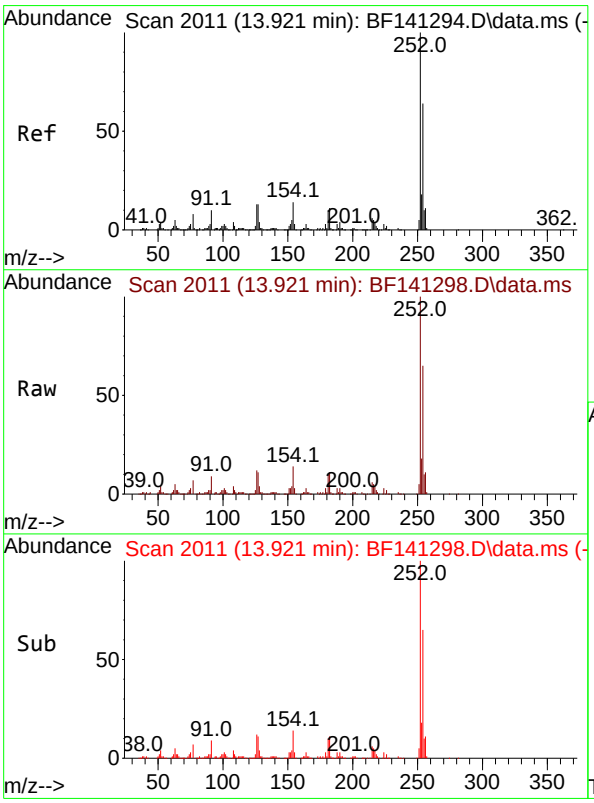
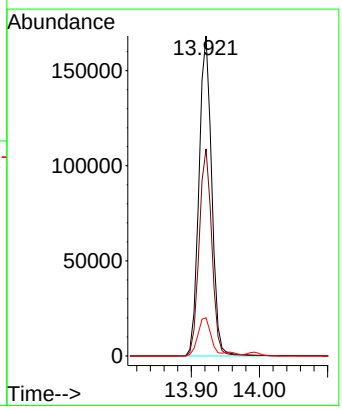
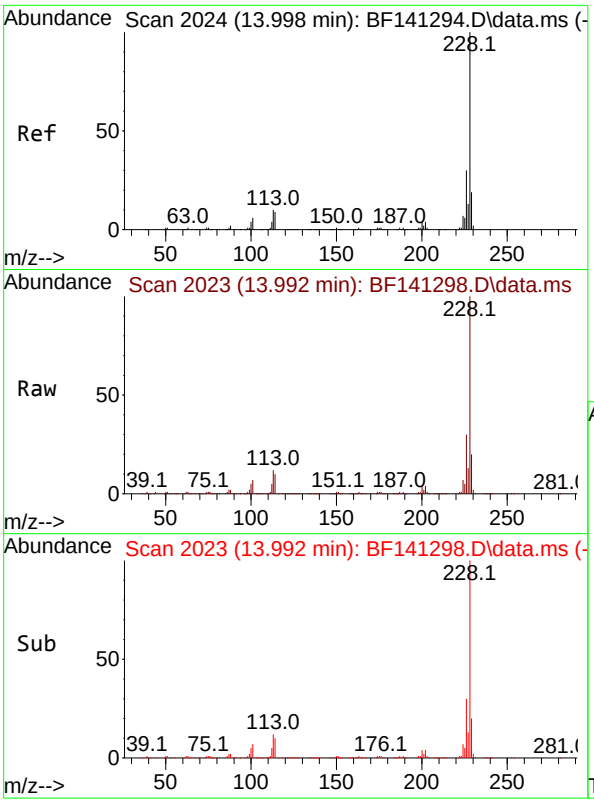


#82
3,3'-Dichlorobenzidine
Concen: 38.774 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 218850

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.3	76.9
126	12.0	10.0	15.0

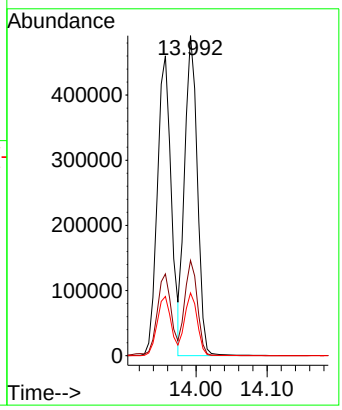




#83
Chrysene
Concen: 37.508 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 61003

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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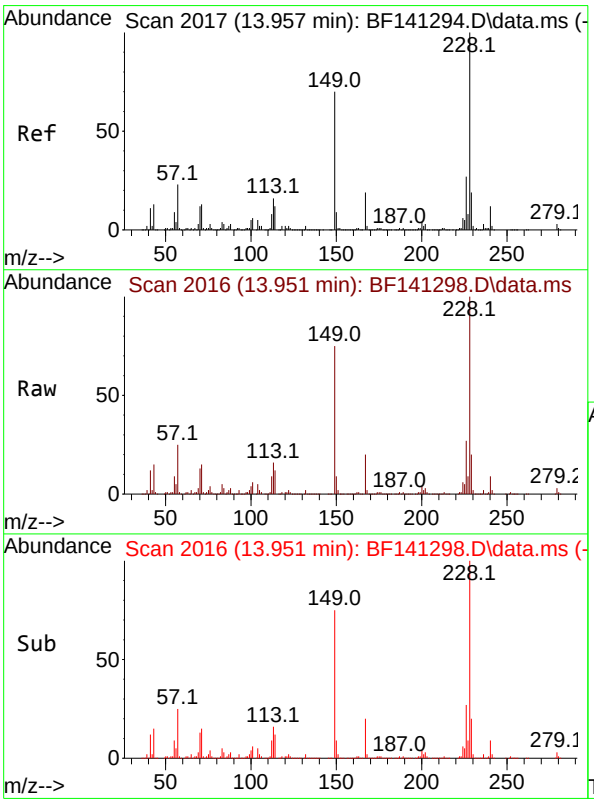
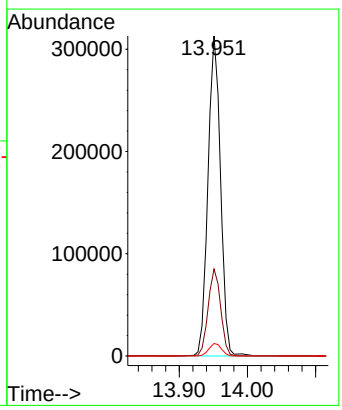
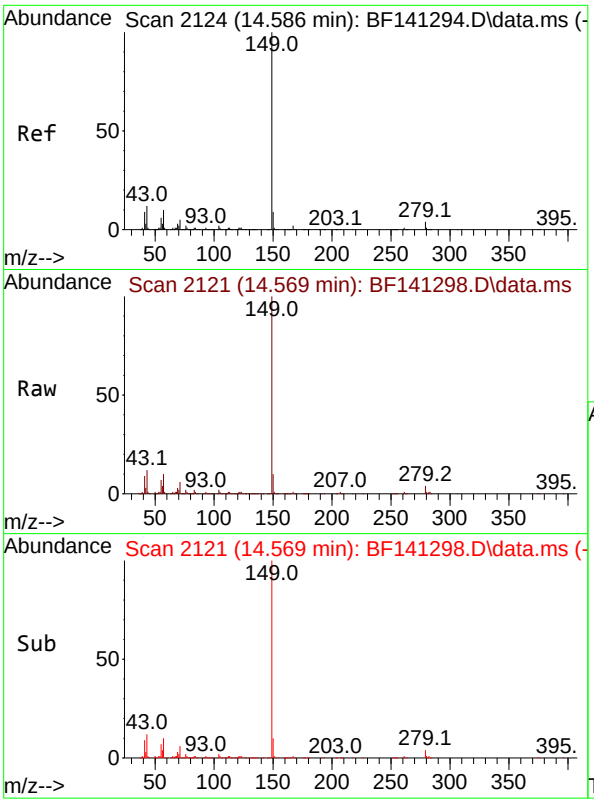


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.620 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 400642

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 37.807 ng
RT: 14.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 64243

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.1	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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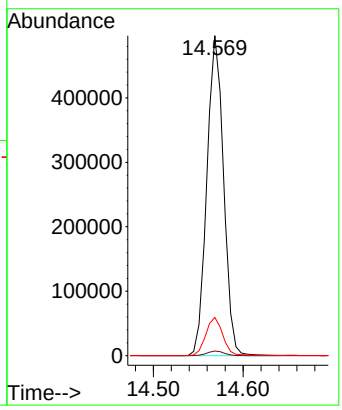
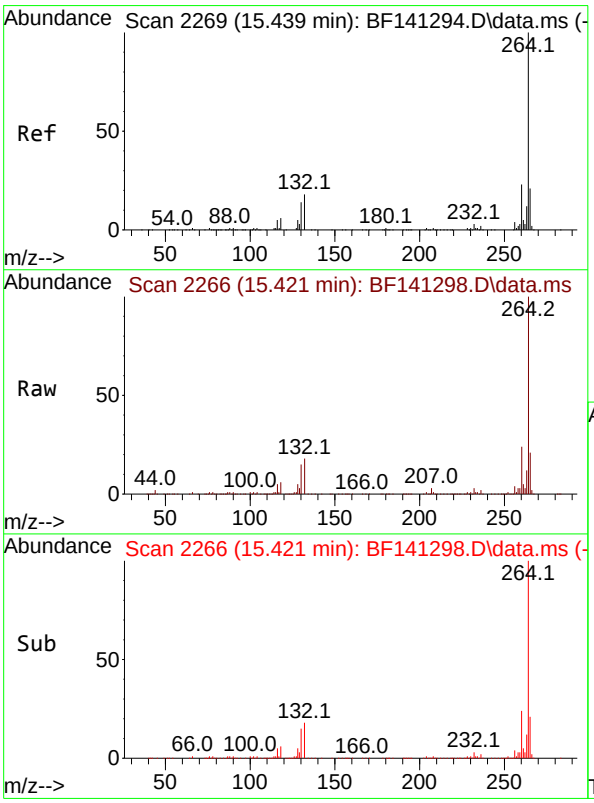
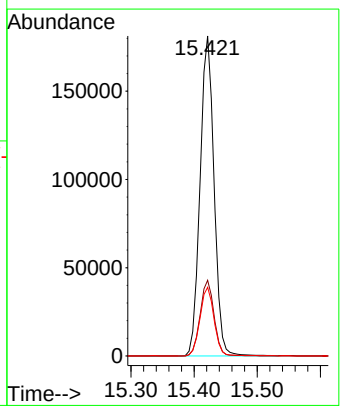


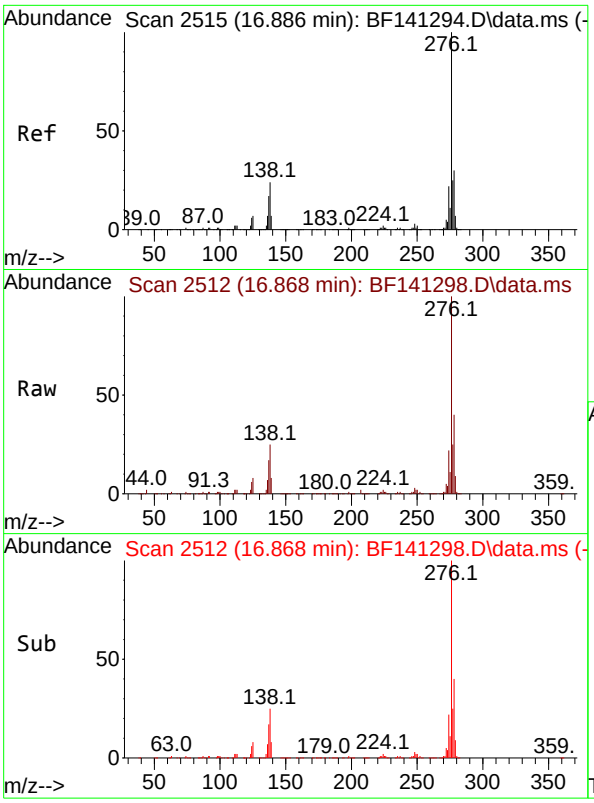


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:264 Resp: 279455

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.5	16.7	25.1

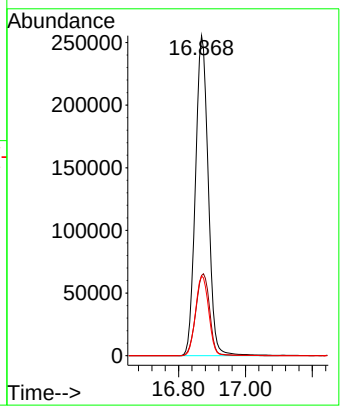




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 67865

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.7	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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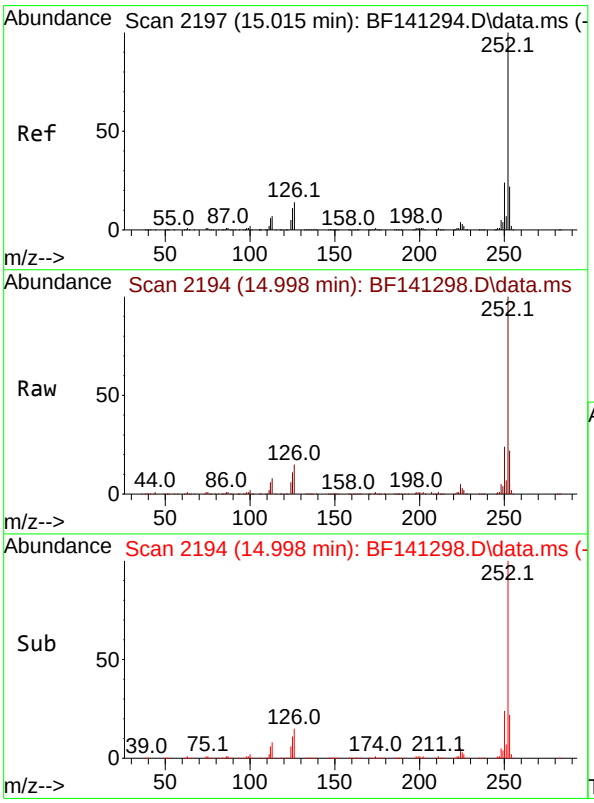
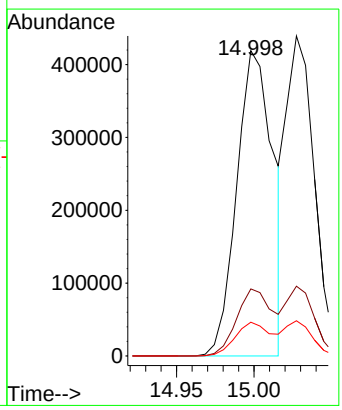
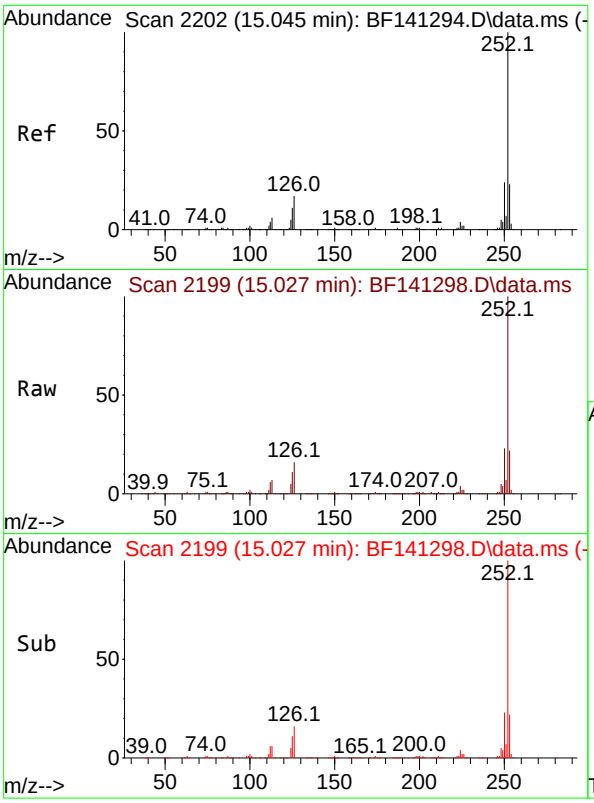


#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 683111

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	11.0	8.6	12.8

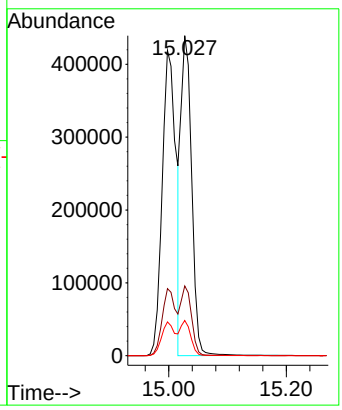




#89
Benzo(k)fluoranthene
Concen: 35.766 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 55696

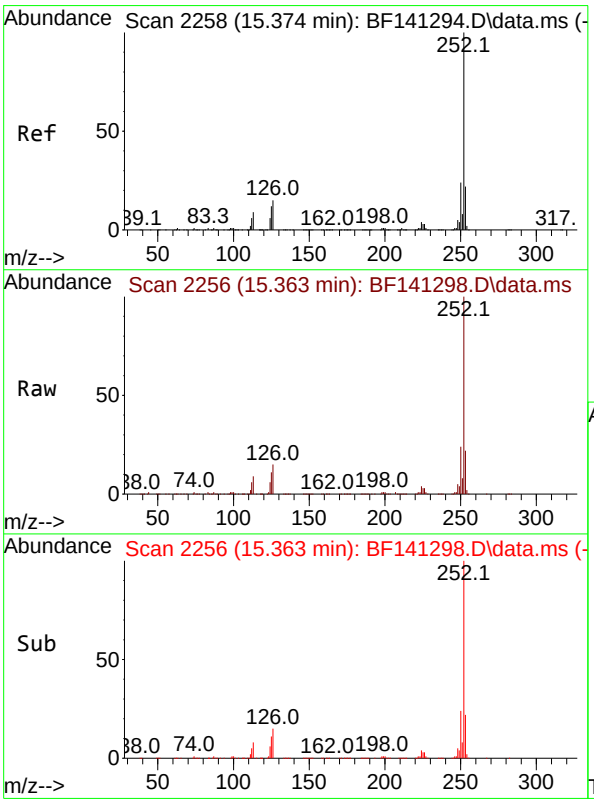
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

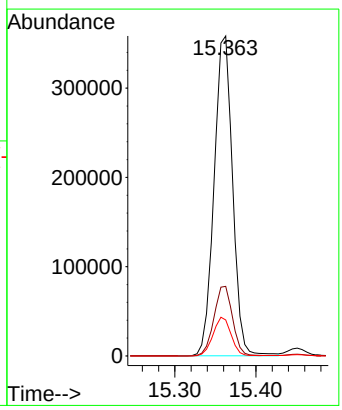
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

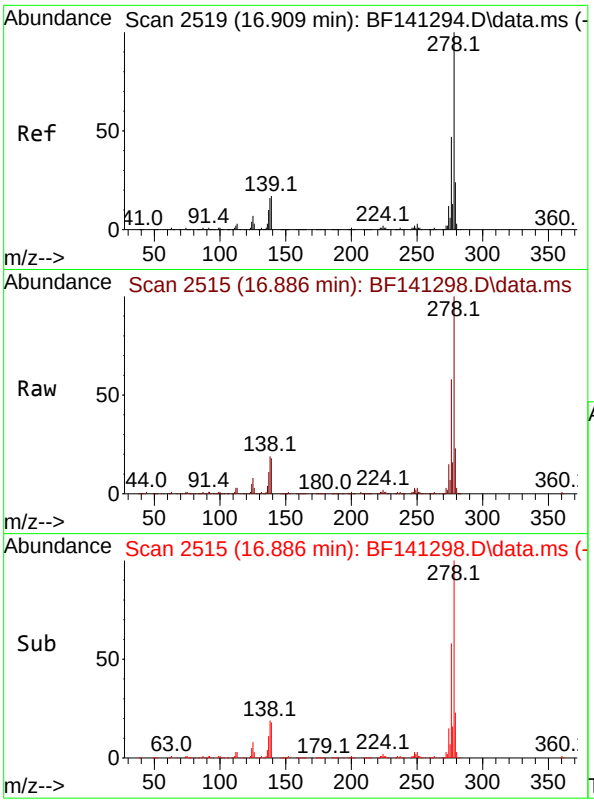


#90
Benzo(a)pyrene
Concen: 38.209 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 567574

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	11.2	9.4	14.2

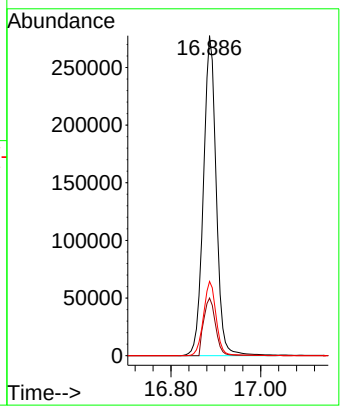




#91
Dibenzo(a,h)anthracene
Concen: 38.007 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:278 Resp: 55153

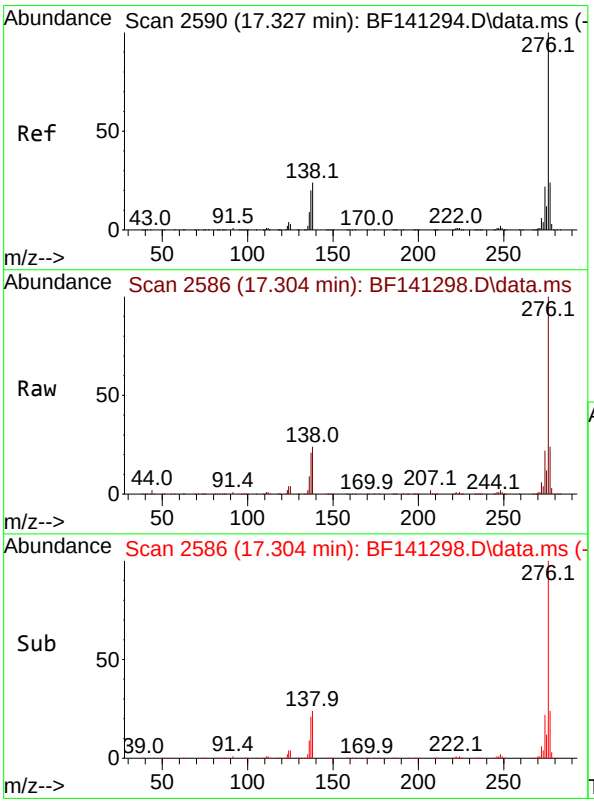
Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.9	20.9
279	23.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

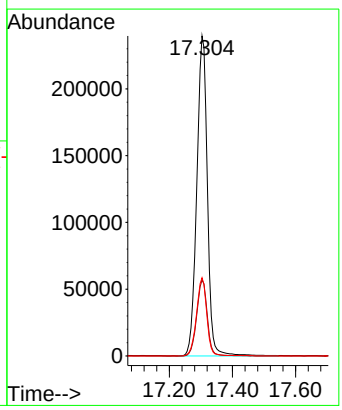
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 37.101 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 559807

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	24.4	19.0	28.4



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2		1,4-Dioxane	0.573	0.534	6.8	97	0.00
3		Pyridine	1.380	1.326	3.9	98	-0.01
4		n-Nitrosodimethylamine	0.789	0.749	5.1	97	-0.03
5	S	2-Fluorophenol	1.303	1.221	6.3	99	0.00
6		Aniline	1.403	1.383	1.4	99	0.00
7	S	Phenol-d6	1.657	1.546	6.7	99	-0.01
8		2-Chlorophenol	1.396	1.309	6.2	99	-0.01
9		Benzaldehyde	0.960	0.887	7.6	97	0.00
10	C	Phenol	1.757	1.664	5.3	99	-0.01
11		bis(2-Chloroethyl)ether	1.347	1.259	6.5	100	-0.01
12		1,3-Dichlorobenzene	1.540	1.435	6.8	98	0.00
13	C	1,4-Dichlorobenzene	1.547	1.465	5.3	100	0.00
14		1,2-Dichlorobenzene	1.448	1.348	6.9	98	0.00
15		Benzyl Alcohol	1.133	1.075	5.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.204	5.9	98	0.00
17		2-Methylphenol	1.135	1.037	8.6	97	0.00
18		Hexachloroethane	0.571	0.543	4.9	100	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.907	7.9	99	-0.02
20		3+4-Methylphenols	1.393	1.302	6.5	99	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.475	0.436	8.2	99	0.00
23	S	Nitrobenzene-d5	0.379	0.359	5.3	100	0.00
24		Nitrobenzene	0.393	0.373	5.1	99	-0.01
25		Isophorone	0.656	0.614	6.4	99	0.00
26	C	2-Nitrophenol	0.185	0.177	4.3	99	0.00
27		2,4-Dimethylphenol	0.236	0.225	4.7	99	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.392	6.2	99	0.00
29	C	2,4-Dichlorophenol	0.289	0.272	5.9	99	0.00
30		1,2,4-Trichlorobenzene	0.330	0.301	8.8	98	0.00
31		Naphthalene	1.057	0.981	7.2	99	0.00
32		Benzoic acid	0.217	0.225	-3.7	101	-0.04
33		4-Chloroaniline	0.358	0.333	7.0	97	0.00
34	C	Hexachlorobutadiene	0.194	0.177	8.8	98	0.00
35		Caprolactam	0.094	0.089	5.3	99	-0.02
36	C	4-Chloro-3-methylphenol	0.310	0.290	6.5	100	0.00
37		2-Methylnaphthalene	0.672	0.619	7.9	98	0.00
38		1-Methylnaphthalene	0.660	0.620	6.1	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.530	6.9	98	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.168	0.0	97	0.00
42	S	2,4,6-Tribromophenol	0.183	0.172	6.0	99	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.360	3.2	98	0.00
44		2,4,5-Trichlorophenol	0.405	0.375	7.4	98	0.00
45	S	2-Fluorobiphenyl	1.299	1.185	8.8	99	0.00
46		1,1'-Biphenyl	1.560	1.447	7.2	98	0.00
47		2-Chloronaphthalene	1.216	1.120	7.9	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.382	0.363	5.0	99	0.00
49		Acenaphthylene	1.702	1.592	6.5	99	0.00
50		Dimethylphthalate	1.351	1.246	7.8	99	0.00
51		2,6-Dinitrotoluene	0.314	0.294	6.4	98	0.00
52	C	Acenaphthene	1.216	1.131	7.0	99	0.00
53		3-Nitroaniline	0.307	0.293	4.6	96	0.00
54	P	2,4-Dinitrophenol	0.146	0.145	0.7	97	-0.01
55		Dibenzofuran	1.627	1.506	7.4	98	0.00
56	P	4-Nitrophenol	0.225	0.220	2.2	97	-0.01
57		2,4-Dinitrotoluene	0.406	0.389	4.2	100	-0.01
58		Fluorene	1.262	1.150	8.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.319	0.302	5.3	98	0.00
60		Diethylphthalate	1.310	1.222	6.7	99	0.00
61		4-Chlorophenyl-phenylether	0.617	0.558	9.6	97	0.00
62		4-Nitroaniline	0.302	0.285	5.6	97	-0.01
63		Azobenzene	1.311	1.213	7.5	98	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.124	-5.1	97	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.627	3.1	98	0.00
67		4-Bromophenyl-phenylether	0.224	0.221	1.3	100	0.00
68		Hexachlorobenzene	0.238	0.231	2.9	99	0.00
69		Atrazine	0.216	0.212	1.9	98	0.00
70	C	Pentachlorophenol	0.139	0.142	-2.2	98	0.00
71		Phenanthrene	1.075	1.024	4.7	98	0.00
72		Anthracene	1.053	1.013	3.8	99	0.00
73		Carbazole	0.934	0.903	3.3	99	0.00
74		Di-n-butylphthalate	1.132	1.093	3.4	99	0.00
75	C	Fluoranthene	1.062	1.002	5.6	97	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	99	0.00
77		Benzidine	0.641	0.788	-22.9	106	0.00
78		Pyrene	1.920	1.739	9.4	98	0.00
79	S	Terphenyl-d14	1.297	1.175	9.4	98	0.00
80		Butylbenzylphthalate	0.671	0.631	6.0	100	0.00
81		Benzo(a)anthracene	1.380	1.228	11.0	95	0.00
82		3,3'-Dichlorobenzidine	0.439	0.425	3.2	100	0.00
83		Chrysene	1.265	1.186	6.2	103	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.779	8.5	98	0.00
85	c	Di-n-octyl phthalate	1.321	1.249	5.5	100	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	100	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.214	6.0	97	-0.03
88		Benzo(b)fluoranthene	1.258	1.222	2.9	109	-0.02
89		Benzo(k)fluoranthene	1.114	0.997	10.5	92	-0.02
90	C	Benzo(a)pyrene	1.063	1.016	4.4	100	-0.02
91		Dibenzo(a,h)anthracene	1.039	0.987	5.0	97	-0.04
92		Benzo(g,h,i)perylene	1.080	1.002	7.2	96	-0.04

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
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Quant Time: Jan 30 03:16:08 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2		1,4-Dioxane	40.000	37.296	6.8	97	0.00
3		Pyridine	40.000	38.413	4.0	98	-0.01
4		n-Nitrosodimethylamine	40.000	37.977	5.1	97	-0.03
5	S	2-Fluorophenol	80.000	74.963	6.3	99	0.00
6		Aniline	40.000	39.437	1.4	99	0.00
7	S	Phenol-d6	80.000	74.641	6.7	99	-0.01
8		2-Chlorophenol	40.000	37.505	6.2	99	-0.01
9		Benzaldehyde	40.000	36.965	7.6	97	0.00
10	C	Phenol	40.000	37.888	5.3	99	-0.01
11		bis(2-Chloroethyl)ether	40.000	37.387	6.5	100	-0.01
12		1,3-Dichlorobenzene	40.000	37.288	6.8	98	0.00
13	C	1,4-Dichlorobenzene	40.000	37.885	5.3	100	0.00
14		1,2-Dichlorobenzene	40.000	37.241	6.9	98	0.00
15		Benzyl Alcohol	40.000	37.952	5.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.636	5.9	98	0.00
17		2-Methylphenol	40.000	36.544	8.6	97	0.00
18		Hexachloroethane	40.000	38.094	4.8	100	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.848	7.9	99	-0.02
20		3+4-Methylphenols	40.000	37.364	6.6	99	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	36.717	8.2	99	0.00
23	S	Nitrobenzene-d5	80.000	75.630	5.5	100	0.00
24		Nitrobenzene	40.000	37.927	5.2	99	-0.01
25		Isophorone	40.000	37.439	6.4	99	0.00
26	C	2-Nitrophenol	40.000	38.289	4.3	99	0.00
27		2,4-Dimethylphenol	40.000	38.055	4.9	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.460	6.3	99	0.00
29	C	2,4-Dichlorophenol	40.000	37.675	5.8	99	0.00
30		1,2,4-Trichlorobenzene	40.000	36.488	8.8	98	0.00
31		Naphthalene	40.000	37.128	7.2	99	0.00
32		Benzoic acid	40.000	41.534	-3.8	101	-0.04
33		4-Chloroaniline	40.000	37.214	7.0	97	0.00
34	C	Hexachlorobutadiene	40.000	36.676	8.3	98	0.00
35		Caprolactam	40.000	37.662	5.8	99	-0.02
36	C	4-Chloro-3-methylphenol	40.000	37.480	6.3	100	0.00
37		2-Methylnaphthalene	40.000	36.898	7.8	98	0.00
38		1-Methylnaphthalene	40.000	37.570	6.1	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.226	6.9	98	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.961	0.1	97	0.00
42	S	2,4,6-Tribromophenol	80.000	75.161	6.0	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.625	3.4	98	0.00
44		2,4,5-Trichlorophenol	40.000	36.969	7.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	72.938	8.8	99	0.00
46		1,1'-Biphenyl	40.000	37.111	7.2	98	0.00
47		2-Chloronaphthalene	40.000	36.837	7.9	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.970	5.1	99	0.00
49		Acenaphthylene	40.000	37.416	6.5	99	0.00
50		Dimethylphthalate	40.000	36.904	7.7	99	0.00
51		2,6-Dinitrotoluene	40.000	37.459	6.4	98	0.00
52	C	Acenaphthene	40.000	37.206	7.0	99	0.00
53		3-Nitroaniline	40.000	38.150	4.6	96	0.00
54	P	2,4-Dinitrophenol	40.000	39.734	0.7	97	-0.01
55		Dibenzofuran	40.000	37.012	7.5	98	0.00
56	P	4-Nitrophenol	40.000	39.089	2.3	97	-0.01
57		2,4-Dinitrotoluene	40.000	38.327	4.2	100	-0.01
58		Fluorene	40.000	36.451	8.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.902	5.2	98	0.00
60		Diethylphthalate	40.000	37.316	6.7	99	0.00
61		4-Chlorophenyl-phenylether	40.000	36.180	9.6	97	0.00
62		4-Nitroaniline	40.000	37.665	5.8	97	-0.01
63		Azobenzene	40.000	37.020	7.4	98	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.913	-4.8	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.757	3.1	98	0.00
67		4-Bromophenyl-phenylether	40.000	39.477	1.3	100	0.00
68		Hexachlorobenzene	40.000	38.929	2.7	99	0.00
69		Atrazine	40.000	39.215	2.0	98	0.00
70	C	Pentachlorophenol	40.000	40.973	-2.4	98	0.00
71		Phenanthrene	40.000	38.117	4.7	98	0.00
72		Anthracene	40.000	38.484	3.8	99	0.00
73		Carbazole	40.000	38.661	3.3	99	0.00
74		Di-n-butylphthalate	40.000	38.639	3.4	99	0.00
75	C	Fluoranthene	40.000	37.768	5.6	97	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	99	0.00
77		Benzidine	40.000	49.142	-22.9	106	0.00
78		Pyrene	40.000	36.225	9.4	98	0.00
79	S	Terphenyl-d14	80.000	72.460	9.4	98	0.00
80		Butylbenzylphthalate	40.000	37.660	5.9	100	0.00
81		Benzo(a)anthracene	40.000	35.587	11.0	95	0.00
82		3,3'-Dichlorobenzidine	40.000	38.774	3.1	100	0.00
83		Chrysene	40.000	37.508	6.2	103	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.620	8.5	98	0.00
85	c	Di-n-octyl phthalate	40.000	37.807	5.5	100	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	100	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.626	5.9	97	-0.03
88		Benzo(b)fluoranthene	40.000	38.861	2.8	109	-0.02
89		Benzo(k)fluoranthene	40.000	35.766	10.6	92	-0.02
90	C	Benzo(a)pyrene	40.000	38.209	4.5	100	-0.02
91		Dibenzo(a,h)anthracene	40.000	38.007	5.0	97	-0.04
92		Benzo(g,h,i)perylene	40.000	37.101	7.2	96	-0.04

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141472.D 5 =BF141473.D 10 =BF141474.D 20 =BF141475.D 40 =BF141476.D 50 =BF141477.D 60 =BF141478.D 80 =BF1414
79.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.511	0.519	0.523	0.517	0.502	0.521	0.501	0.513	1.73
3)		Pyridine		1.053	1.205	1.311	1.263	1.256	1.261	1.204	1.222	6.79
4)		n-Nitrosodimet...		0.737	0.774	0.820	0.818	0.835	0.846	0.833	0.809	4.83
5)	S	2-Fluorophenol		1.235	1.290	1.365	1.289	1.273	1.264	1.214	1.276	3.77
6)		Aniline		1.476	1.545	1.650	1.538	1.506	1.494	1.379	1.513	5.42
7)	S	Phenol-d6		1.619	1.629	1.704	1.613	1.599	1.585	1.538	1.612	3.13
8)		2-Chlorophenol		1.399	1.410	1.446	1.379	1.368	1.345	1.302	1.378	3.38
9)		Benzaldehyde		0.892	0.993	0.981	0.821	0.747	0.706		0.857	13.92
10)	C	Phenol		1.693	1.681	1.817	1.685	1.659	1.644	1.569	1.678	4.42
11)		bis(2-Chloroet...		1.262	1.229	1.296	1.266	1.252	1.262	1.256	1.261	1.59
12)		1,3-Dichlorobe...		1.473	1.482	1.554	1.441	1.441	1.430	1.366	1.455	3.95
13)	C	1,4-Dichlorobe...		1.546	1.538	1.571	1.471	1.465	1.439	1.379	1.487	4.59
14)		1,2-Dichlorobe...		1.393	1.439	1.473	1.374	1.351	1.345	1.285	1.380	4.55
15)		Benzyl Alcohol		1.191	1.251	1.322	1.262	1.248	1.218	1.163	1.236	4.19
16)		2,2'-oxybis(1-...		2.222	2.245	2.313	2.165	2.119	2.082	1.959	2.158	5.45
17)		2-Methylphenol		1.116	1.089	1.121	1.077	1.059	1.066	1.024	1.079	3.15
18)		Hexachloroethane		0.539	0.545	0.589	0.553	0.556	0.544	0.526	0.550	3.59
19)	P	n-Nitroso-di-n...	0.950	0.978	0.985	1.039	0.969	0.947	0.941	0.907	0.964	4.03
20)		3+4-Methylphenols		1.442	1.417	1.459	1.372	1.344	1.319	1.244	1.371	5.52
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.517	0.502	0.521	0.493	0.483	0.488	0.478	0.498	3.35
23)	S	Nitrobenzene-d5		0.380	0.379	0.396	0.385	0.378	0.381	0.384	0.383	1.58
24)		Nitrobenzene		0.370	0.371	0.383	0.374	0.369	0.375	0.376	0.374	1.29
25)		Isophorone		0.611	0.594	0.633	0.611	0.601	0.617	0.614	0.611	2.04
26)	C	2-Nitrophenol		0.171	0.175	0.190	0.193	0.190	0.193	0.191	0.186	4.91
27)		2,4-Dimethylph...		0.208	0.212	0.221	0.223	0.218	0.220	0.220	0.217	2.46
28)		bis(2-Chloroet...		0.384	0.390	0.408	0.394	0.387	0.391	0.388	0.392	2.03
29)	C	2,4-Dichloroph...		0.286	0.287	0.312	0.296	0.290	0.292	0.292	0.294	2.95
30)		1,2,4-Trichlor...		0.327	0.321	0.331	0.317	0.312	0.317	0.314	0.320	2.12
31)		Naphthalene		1.067	1.041	1.096	1.037	1.012	1.022	1.012	1.041	2.98
32)		Benzoic acid			0.186	0.217	0.229	0.233	0.243	0.246	0.226	9.70
33)		4-Chloroaniline		0.354	0.352	0.382	0.364	0.360	0.364	0.370	0.363	2.82
34)	C	Hexachlorobuta...		0.193	0.191	0.200	0.192	0.188	0.191	0.189	0.192	2.01
35)		Caprolactam		0.083	0.085	0.094	0.093	0.088	0.091	0.092	0.089	4.75
36)	C	4-Chloro-3-met...		0.310	0.324	0.342	0.329	0.324	0.325	0.324	0.325	2.91
37)		2-Methylnaphth...		0.688	0.689	0.719	0.669	0.659	0.666	0.652	0.677	3.42
38)		1-Methylnaphth...		0.680	0.657	0.691	0.656	0.637	0.640	0.631	0.656	3.40

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.582	0.588	0.600	0.584	0.560	0.574	0.562	0.579	2.50
41)	P	Hexachlorocycl...		0.138	0.180	0.204	0.205	0.214	0.214	0.192	15.36
42)	S	2,4,6-Tribromo...	0.201	0.200	0.210	0.200	0.199	0.201	0.196	0.201	2.08
43)	C	2,4,6-Trichlor...	0.364	0.365	0.389	0.377	0.373	0.378	0.372	0.374	2.28
44)		2,4,5-Trichlor...	0.385	0.407	0.430	0.410	0.394	0.409	0.401	0.405	3.51
45)	S	2-Fluorobiphenyl	1.373	1.360	1.385	1.269	1.241	1.259	1.201	1.298	5.62
46)		1,1'-Biphenyl	1.582	1.564	1.632	1.545	1.517	1.537	1.478	1.551	3.16
47)		2-Chloronaphth...	1.167	1.161	1.211	1.135	1.114	1.136	1.103	1.147	3.18
48)		2-Nitroaniline	0.371	0.371	0.394	0.390	0.382	0.401	0.385	0.385	2.92
49)		Acenaphthylene	1.739	1.736	1.791	1.696	1.660	1.689	1.626	1.705	3.21
50)		Dimethylphthalate	1.382	1.359	1.408	1.345	1.324	1.341	1.345	1.358	2.09
51)		2,6-Dinitrotol...	0.289	0.290	0.314	0.301	0.295	0.299	0.290	0.297	3.06
52)	C	Acenaphthene	1.186	1.164	1.188	1.152	1.108	1.127	1.101	1.147	3.10
53)		3-Nitroaniline	0.312	0.313	0.335	0.319	0.320	0.321	0.316	0.319	2.35
54)	P	2,4-Dinitrophenol		0.133	0.167	0.177	0.185	0.198	0.198	0.176	13.83
55)		Dibenzofuran	1.768	1.722	1.774	1.673	1.633	1.634	1.576	1.683	4.44
56)	P	4-Nitrophenol	0.190	0.216	0.247	0.249	0.249	0.257	0.251	0.237	10.43
57)		2,4-Dinitrotol...	0.383	0.403	0.414	0.398	0.390	0.396	0.383	0.395	2.83
58)		Fluorene	1.359	1.361	1.377	1.290	1.239	1.263	1.221	1.301	4.90
59)		2,3,4,6-Tetrac...	0.332	0.361	0.359	0.348	0.348	0.355	0.340	0.349	2.95
60)		Diethylphthalate	1.400	1.346	1.398	1.330	1.300	1.308	1.269	1.336	3.71
61)		4-Chlorophenyl...	0.661	0.643	0.659	0.622	0.602	0.611	0.585	0.626	4.66
62)		4-Nitroaniline	0.315	0.319	0.333	0.335	0.319	0.327	0.324	0.324	2.28
63)		Azobenzene	1.348	1.329	1.385	1.326	1.295	1.320	1.294	1.328	2.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.116	0.140	0.142	0.142	0.146	0.148	0.139	8.48
66)	c	n-Nitrosodiphe...	0.650	0.653	0.674	0.627	0.625	0.625	0.627	0.640	2.97
67)		4-Bromophenyl-...	0.228	0.220	0.234	0.221	0.220	0.221	0.221	0.224	2.46
68)		Hexachlorobenzene	0.229	0.234	0.241	0.227	0.224	0.228	0.228	0.230	2.46
69)		Atrazine	0.200	0.203	0.214	0.185	0.185	0.182	0.176	0.192	7.12
70)	C	Pentachlorophenol	0.116	0.131	0.151	0.154	0.158	0.159	0.160	0.147	11.68
71)		Phenanthrene	1.141	1.132	1.161	1.084	1.071	1.069	1.049	1.101	3.91
72)		Anthracene	1.168	1.126	1.158	1.082	1.084	1.071	1.057	1.107	3.99
73)		Carbazole	1.022	1.026	1.076	0.986	0.966	0.961	0.933	0.996	4.87
74)		Di-n-butylphth...	1.165	1.156	1.223	1.141	1.132	1.126	1.105	1.150	3.29
75)	C	Fluoranthene	1.251	1.239	1.243	1.151	1.129	1.091	1.065	1.167	6.63
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.474	0.487	0.334	0.528	0.432	0.351	0.481	0.441	16.58
78)		Pyrene	1.528	1.557	1.717	1.745	1.774	1.807	1.789	1.703	6.67
79)	S	Terphenyl-d14	1.129	1.104	1.211	1.198	1.209	1.234	1.208	1.185	4.07
80)		Butylbenzylpht...	0.525	0.540	0.605	0.609	0.603	0.623	0.624	0.590	6.83
81)		Benzo(a)anthra...	1.381	1.332	1.350	1.345	1.309	1.309	1.279	1.329	2.51
82)		3,3'-Dichlorob...	0.397	0.411	0.407	0.377	0.363	0.353	0.358	0.381	6.31
83)		Chrysene	1.187	1.223	1.314	1.201	1.215	1.224	1.229	1.228	3.34
84)		Bis(2-ethylhex...	0.593	0.610	0.685	0.689	0.680	0.697	0.702	0.665	6.68
85)	c	Di-n-octyl pht...	0.802	0.814	0.910	0.965	1.010	1.051	1.090	0.949	11.82

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.987	1.029	1.186	1.288	1.341	1.410	1.408	1.236	14.06
88)		Benzo(b)fluora...	1.286	1.407	1.398	1.336	1.350	1.356	1.268	1.343	3.88
89)		Benzo(k)fluora...	1.113	1.216	1.247	1.142	1.074	1.098	1.138	1.147	5.49
90)	C	Benzo(a)pyrene	1.085	1.074	1.115	1.080	1.069	1.094	1.089	1.087	1.41
91)		Dibenzo(a,h)an...	0.796	0.828	0.970	1.051	1.092	1.138	1.134	1.001	14.13
92)		Benzo(g,h,i)pe...	0.805	0.864	1.001	1.100	1.144	1.203	1.218	1.048	15.60

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91402	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372084	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	206500	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	361595	20.000	ng	0.00
76) Chrysene-d12	13.951	240	309941	20.000	ng	-0.01
86) Perylene-d12	15.410	264	259363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.192	70	10850	2.462	ng	92

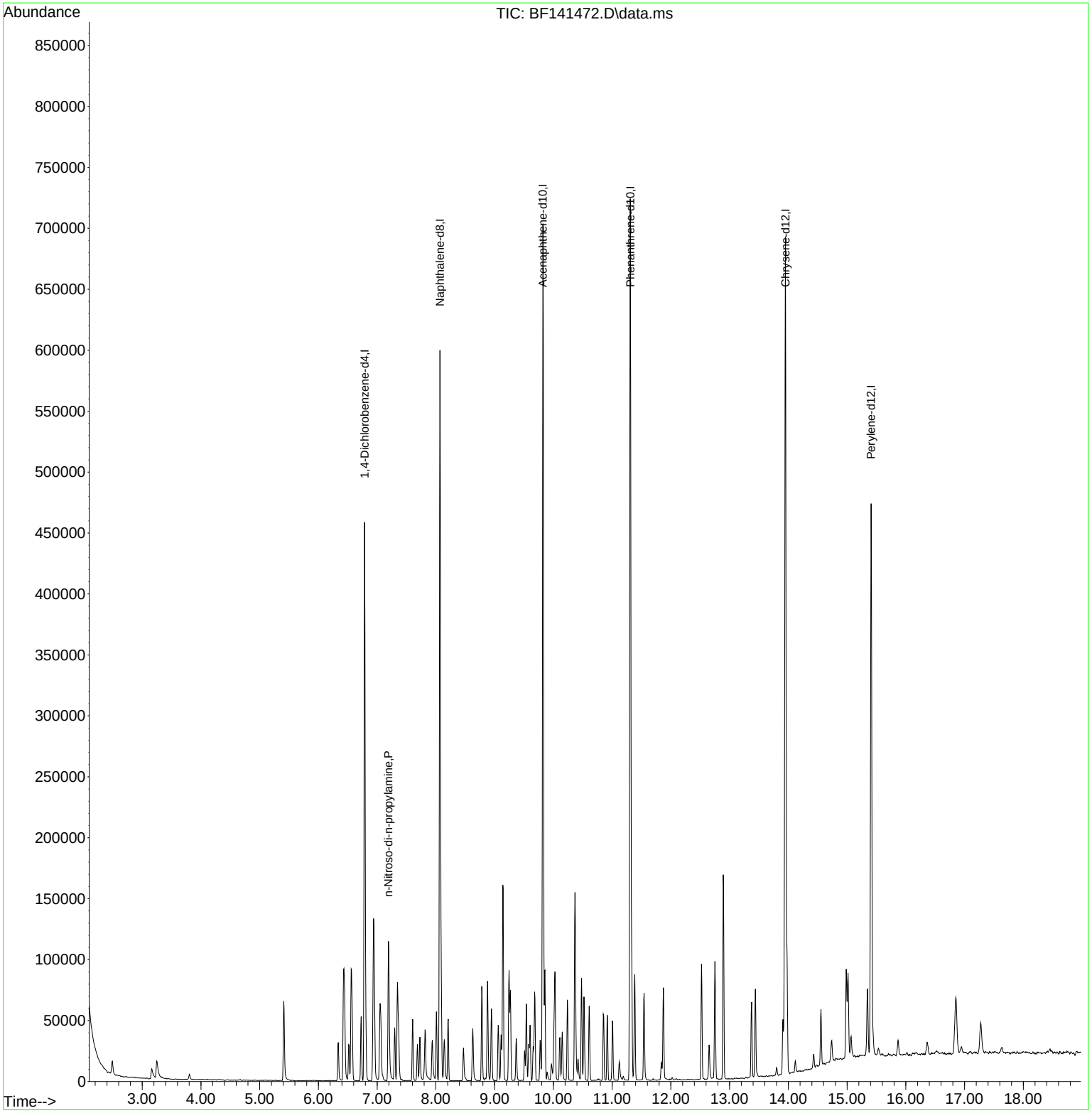
(#) = qualifier out of range (m) = manual integration (+) = signals summed

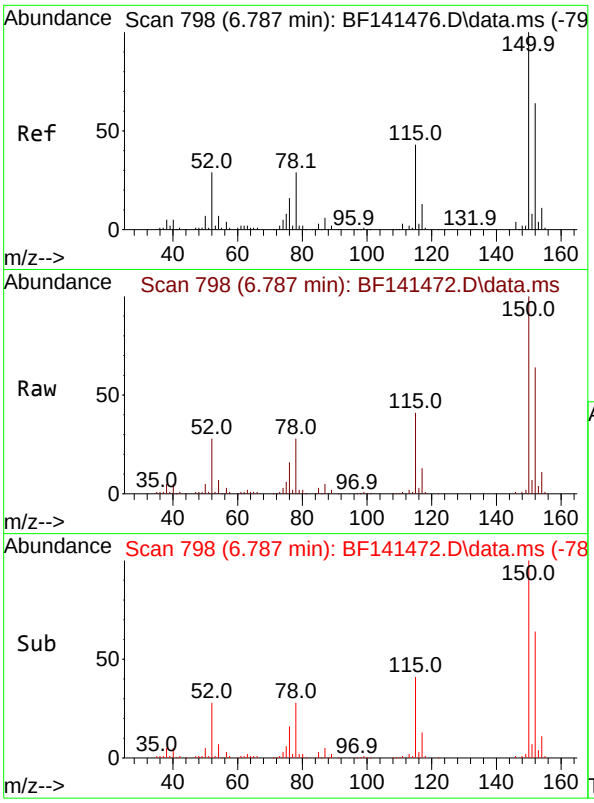
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



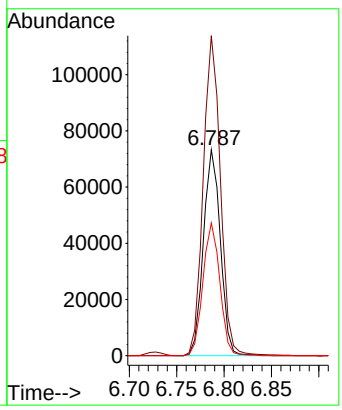


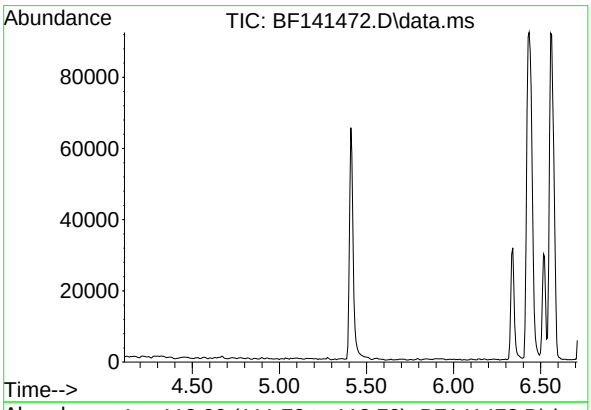
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 91402

Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.0	187.4
115	64.4	53.6	80.4



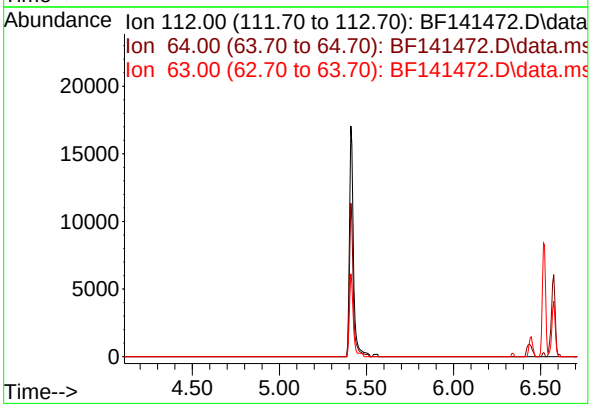


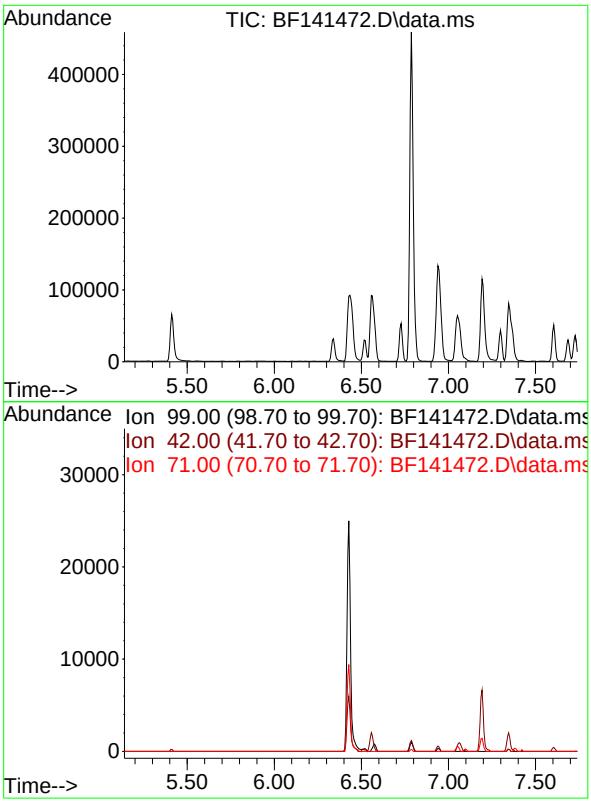
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	63.9
63	35.5





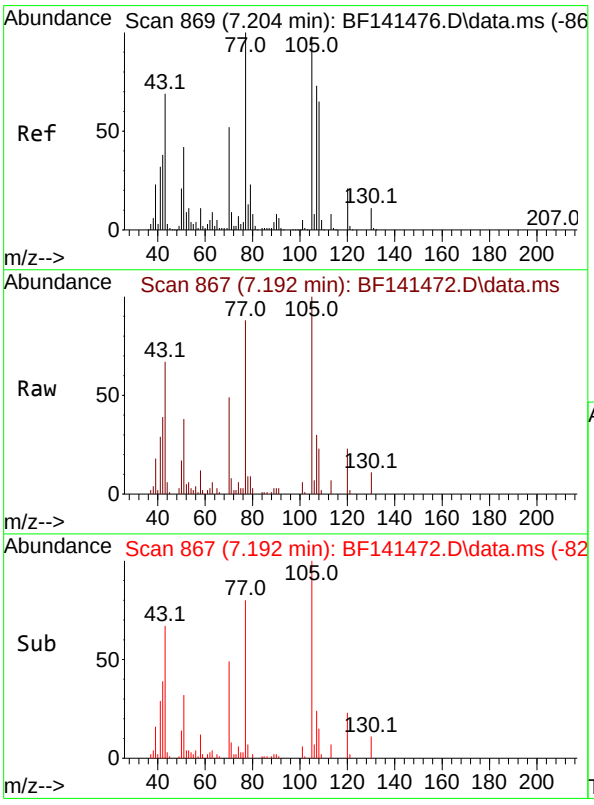
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.44 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

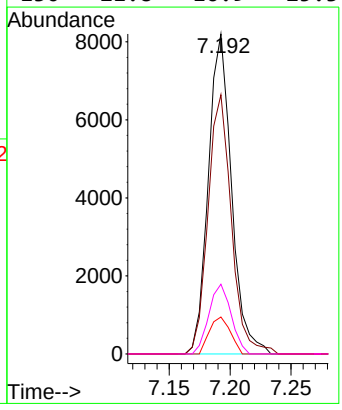
Sig	Exp Ratio
99	100
42	23.9
71	38.9

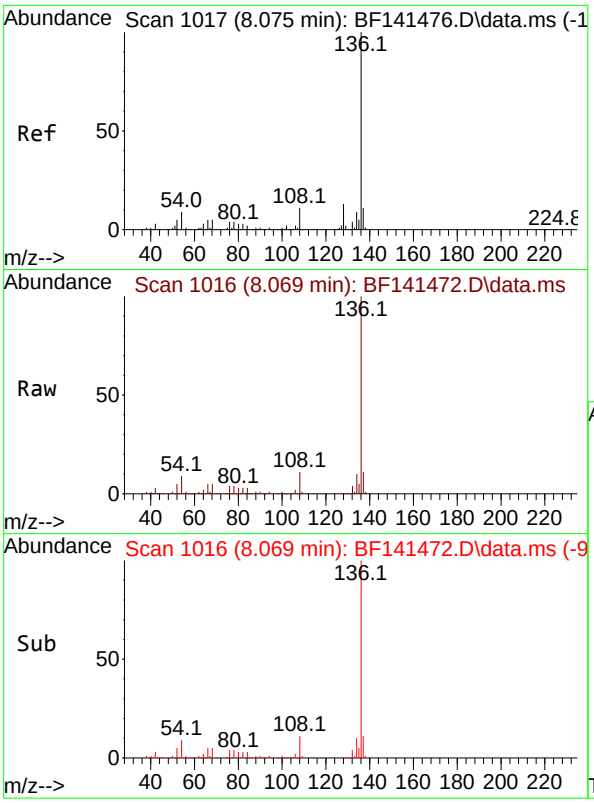


#19
n-Nitroso-di-n-propylamine
Concen: 2.462 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 70 Resp: 10850

Ion	Ratio	Lower	Upper
70	100		
42	81.0	57.4	86.2
101	11.5	8.0	12.0
130	21.8	16.9	25.3



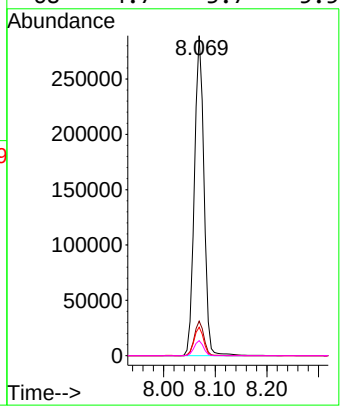


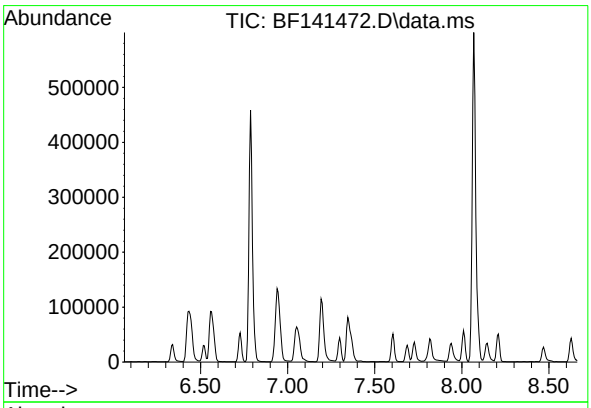
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 372084

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.9	7.2	10.8
68	4.7	3.7	5.5



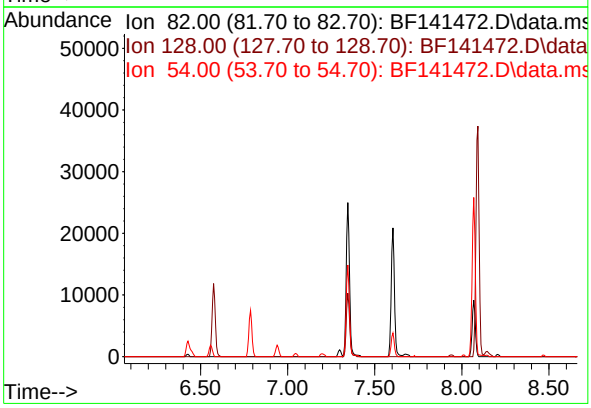


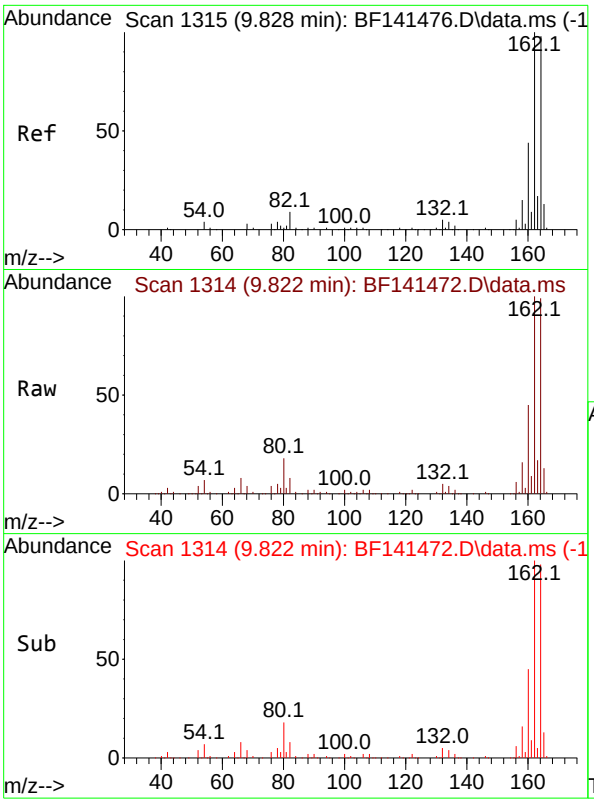
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.5
54	60.3



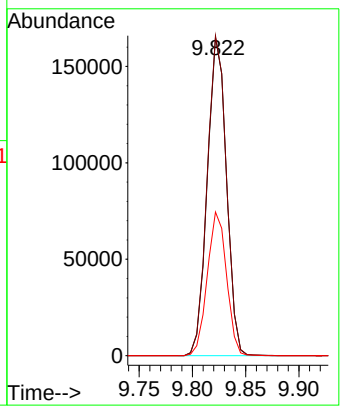


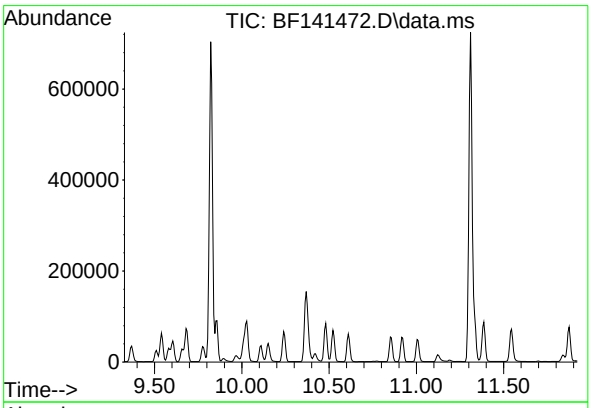
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 206500

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.3	121.9
160	45.1	35.9	53.9



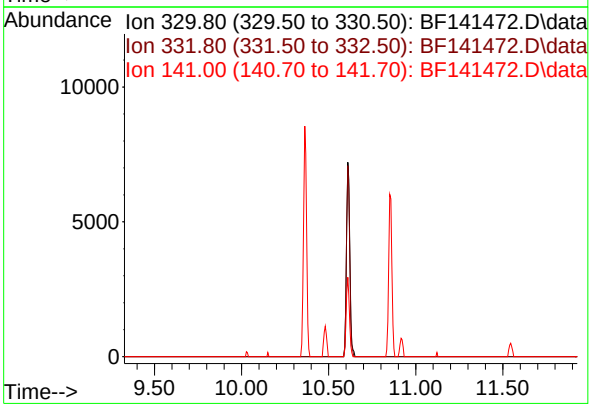


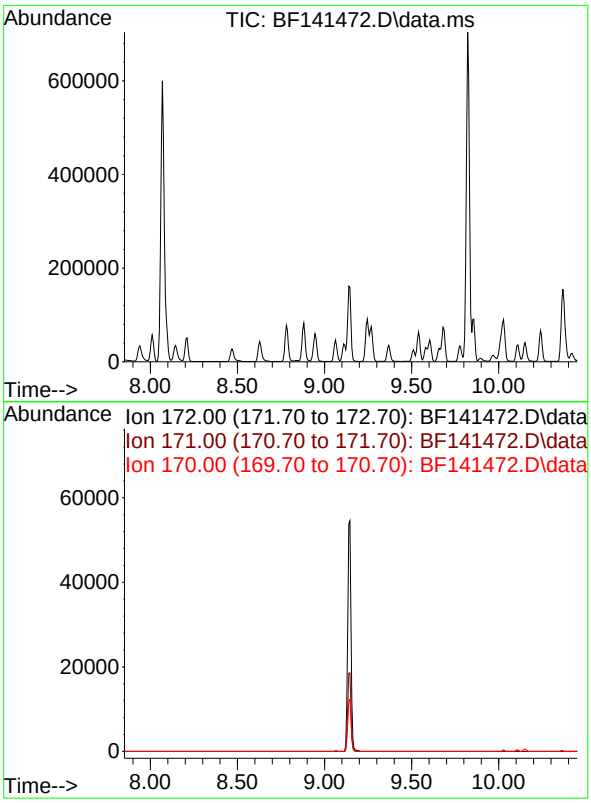
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	98.1
141	38.7





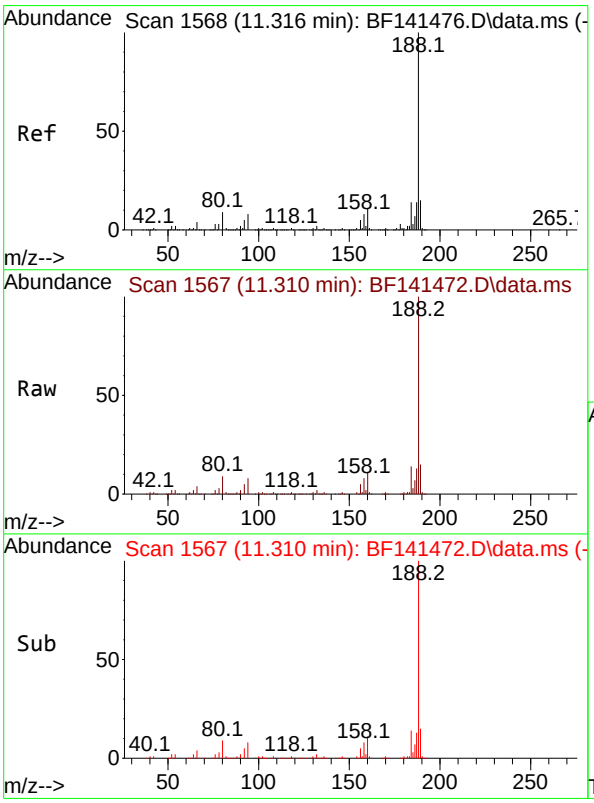
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.15 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

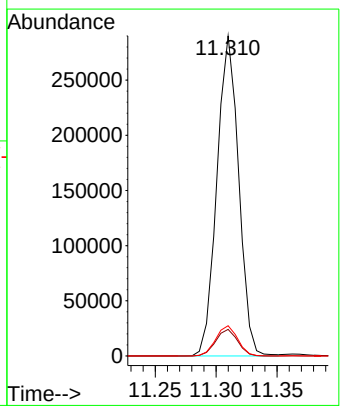
Sig	Exp Ratio
172	100
171	35.9
170	23.6

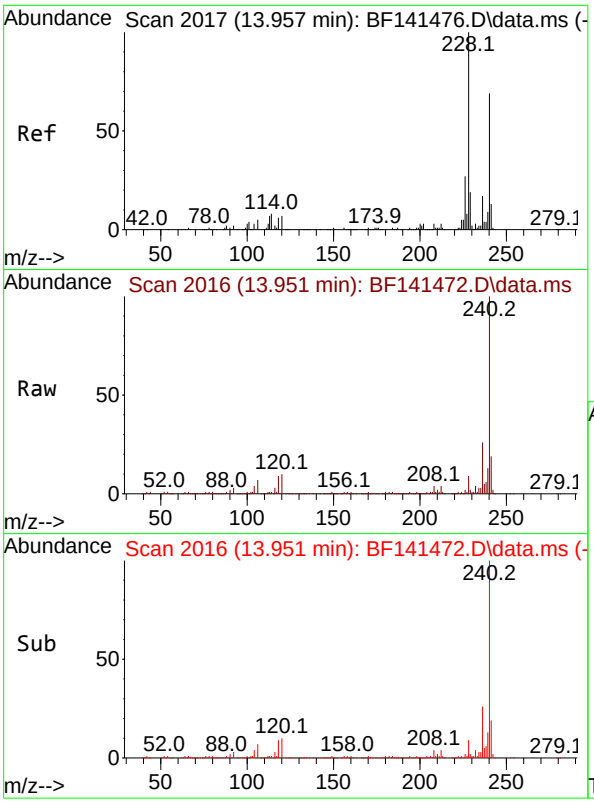


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion:188 Resp: 361595

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.5	7.3	10.9



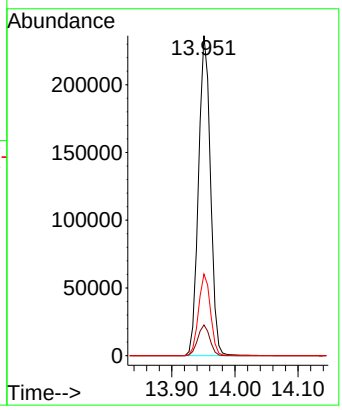


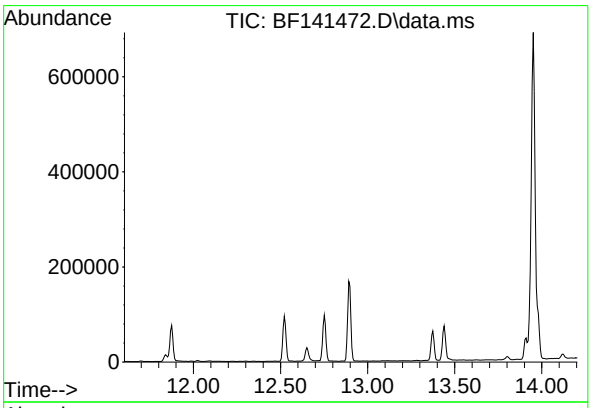
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 309941

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	25.5	19.8	29.8



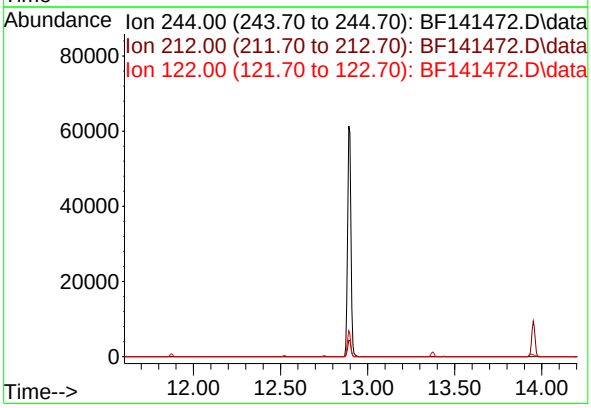


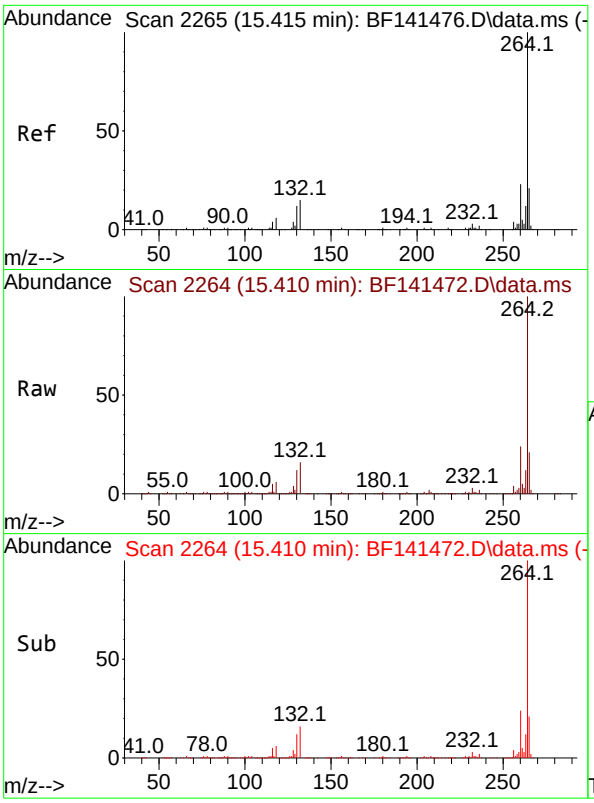
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.90 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	10.5



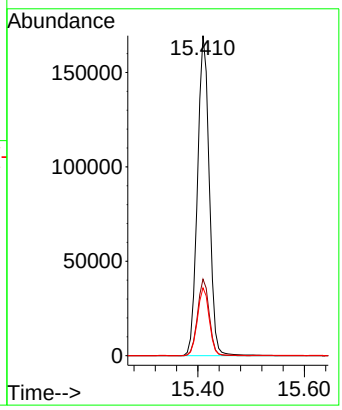


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 259363

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.2	17.0	25.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	89396	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	358966	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	199514	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	351213	20.000	ng		0.00
76) Chrysene-d12	13.951	240	295087	20.000	ng		-0.01
86) Perylene-d12	15.410	264	233325	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	55200	9.680	ng		0.00
7) Phenol-d6	6.422	99	72376	10.042	ng		-0.02
23) Nitrobenzene-d5	7.345	82	68257	9.918	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	20060	10.009	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	136925	10.573	ng		0.00
79) Terphenyl-d14	12.892	244	166601	9.531	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	11419	4.976	ng		95
3) Pyridine	3.228	79	23540	4.310	ng		97
4) n-Nitrosodimethylamine	3.152	42	16481	4.558	ng	#	96
6) Aniline	6.445	93	32993	4.880	ng		97
8) 2-Chlorophenol	6.575	128	31263	5.074	ng		99
9) Benzaldehyde	6.334	77	19944	5.207	ng		94
10) Phenol	6.440	94	37833	5.044	ng		97
11) bis(2-Chloroethyl)ether	6.522	93	28203	5.006	ng		97
12) 1,3-Dichlorobenzene	6.728	146	32913	5.060	ng		99
13) 1,4-Dichlorobenzene	6.804	146	34555	5.199	ng		97
14) 1,2-Dichlorobenzene	6.957	146	31141	5.049	ng		96
15) Benzyl Alcohol	6.928	79	26612	4.815	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	49667	5.150	ng		99
17) 2-Methylphenol	7.045	107	24939	5.173	ng		96
18) Hexachloroethane	7.298	117	12043	4.896	ng		98
19) n-Nitroso-di-n-propyla...	7.192	70	21865	5.072	ng		97
20) 3+4-Methylphenols	7.198	107	32221	5.258	ng		94
22) Acetophenone	7.192	105	46441	5.201	ng		95
24) Nitrobenzene	7.363	77	33173	4.943	ng		99
25) Isophorone	7.604	82	54796	4.993	ng		99
26) 2-Nitrophenol	7.687	139	15331	4.592	ng		97
27) 2,4-Dimethylphenol	7.728	122	18659	4.784	ng		99
28) bis(2-Chloroethoxy)met...	7.816	93	34469	4.902	ng		100
29) 2,4-Dichlorophenol	7.934	162	25667	4.870	ng		97
30) 1,2,4-Trichlorobenzene	8.010	180	29321	5.109	ng		96
31) Naphthalene	8.092	128	95730	5.123	ng		99
33) 4-Chloroaniline	8.145	127	31729	4.864	ng		98
34) Hexachlorobutadiene	8.210	225	17323	5.028	ng		98
35) Caprolactam	8.475	113	7437	4.635	ng		94
36) 4-Chloro-3-methylphenol	8.628	107	27818	4.765	ng		98
37) 2-Methylnaphthalene	8.781	142	61742	5.078	ng		97
38) 1-Methylnaphthalene	8.881	142	61026	5.182	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	29023	5.028	ng		98
43) 2,4,6-Trichlorophenol	9.063	196	18144	4.863	ng		99
44) 2,4,5-Trichlorophenol	9.110	196	19204	4.750	ng		98
46) 1,1'-Biphenyl	9.245	154	78931	5.103	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

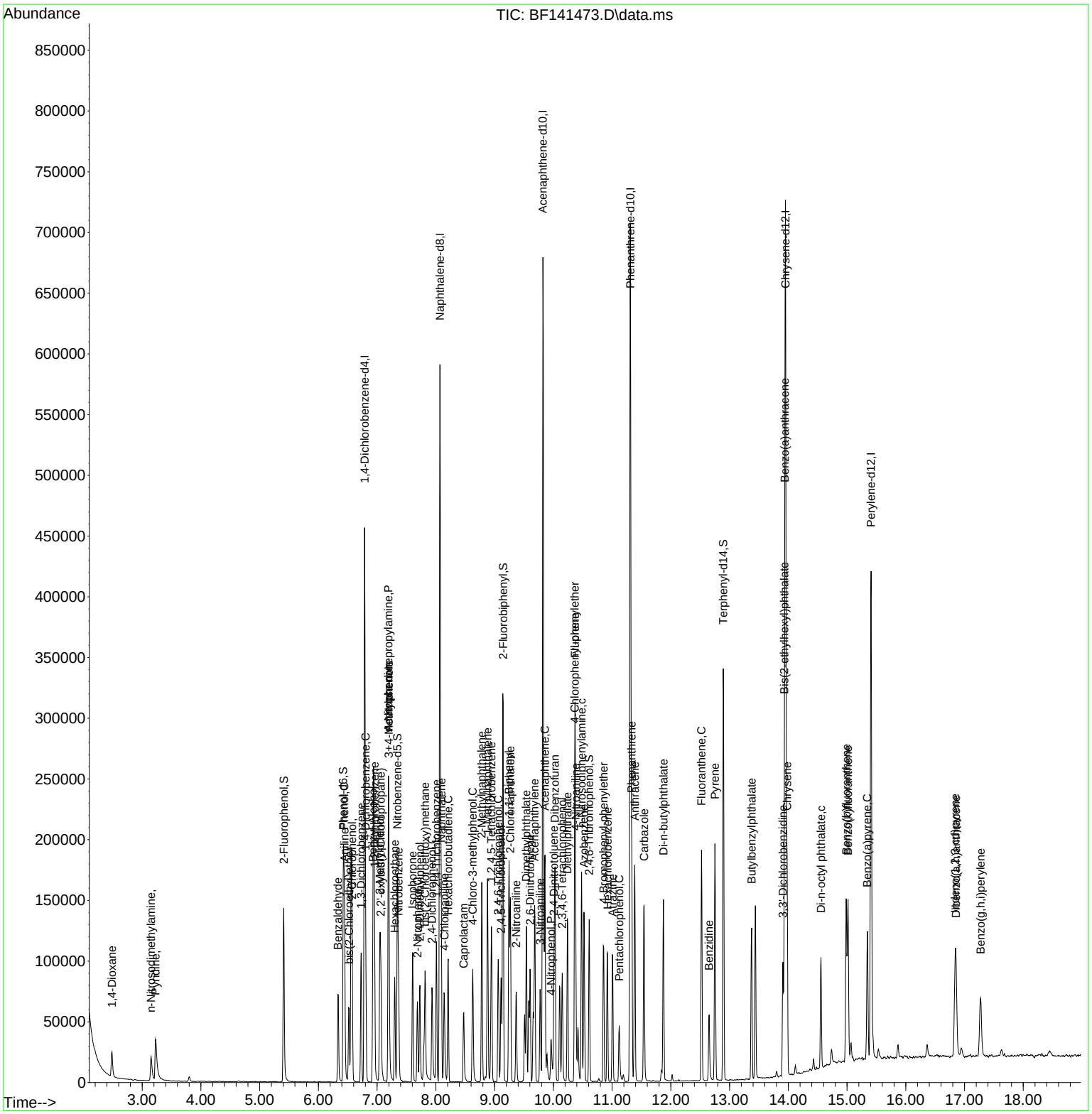
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2-Chloronaphthalene	9.269	162	58201	5.088	ng		100
48)	2-Nitroaniline	9.369	65	18494	4.818	ng		98
49)	Acenaphthylene	9.681	152	86721	5.097	ng		100
50)	Dimethylphthalate	9.539	163	68921	5.088	ng		99
51)	2,6-Dinitrotoluene	9.604	165	14394	4.861	ng		94
52)	Acenaphthene	9.857	154	59139	5.171	ng		99
53)	3-Nitroaniline	9.775	138	15563	4.884	ng		98
55)	Dibenzofuran	10.028	168	88178	5.252	ng		99
56)	4-Nitrophenol	9.963	139	9482	4.008	ng		94
57)	2,4-Dinitrotoluene	10.010	165	19087	4.842	ng	#	96
58)	Fluorene	10.369	166	67764	5.220	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.151	232	16570	4.760	ng		99
60)	Diethylphthalate	10.239	149	69845	5.241	ng		99
61)	4-Chlorophenyl-phenyle...	10.363	204	32951	5.277	ng		99
62)	4-Nitroaniline	10.381	138	15711	4.855	ng		95
63)	Azobenzene	10.522	77	67256	5.077	ng		99
66)	n-Nitrosodiphenylamine	10.481	169	57063	5.076	ng		98
67)	4-Bromophenyl-phenylether	10.857	248	20012	5.098	ng		99
68)	Hexachlorobenzene	10.922	284	20138	4.982	ng		98
69)	Atrazine	11.010	200	17519	5.194	ng		93
70)	Pentachlorophenol	11.122	266	10151	3.928	ng		98
71)	Phenanthrene	11.333	178	100202	5.183	ng		100
72)	Anthracene	11.386	178	102596	5.279	ng		98
73)	Carbazole	11.545	167	89721	5.131	ng		100
74)	Di-n-butylphthalate	11.875	149	102296	5.066	ng		100
75)	Fluoranthene	12.522	202	109883	5.361	ng		98
77)	Benzidine	12.651	184	34946	5.370	ng		99
78)	Pyrene	12.751	202	112700	4.486	ng		100
80)	Butylbenzylphthalate	13.374	149	38714	4.449	ng		98
81)	Benzo(a)anthracene	13.939	228	101861	5.193	ng		99
82)	3,3'-Dichlorobenzidine	13.910	252	29306	5.216	ng		98
83)	Chrysene	13.980	228	87555	4.834	ng		100
84)	Bis(2-ethylhexyl)phtha...	13.933	149	43735	4.457	ng		98
85)	Di-n-octyl phthalate	14.557	149	59200	4.229	ng		100
87)	Indeno(1,2,3-cd)pyrene	16.839	276	57572	3.993	ng		99
88)	Benzo(b)fluoranthene	14.986	252	75033	4.789	ng		99
89)	Benzo(k)fluoranthene	15.016	252	64919	4.853	ng		98
90)	Benzo(a)pyrene	15.345	252	63295	4.993	ng		98
91)	Dibenzo(a,h)anthracene	16.857	278	46421	3.974	ng		98
92)	Benzo(g,h,i)perylene	17.274	276	46952	3.841	ng		99

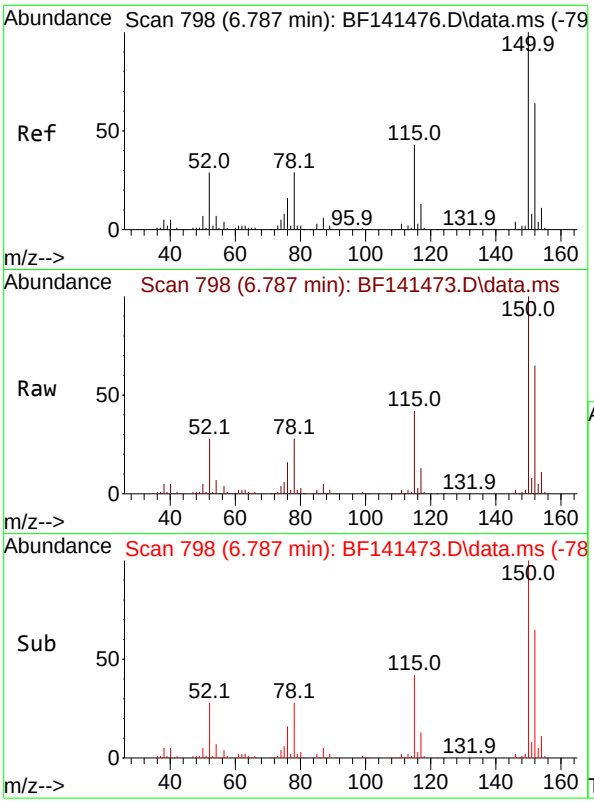
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



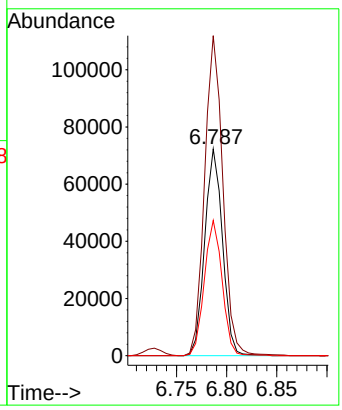


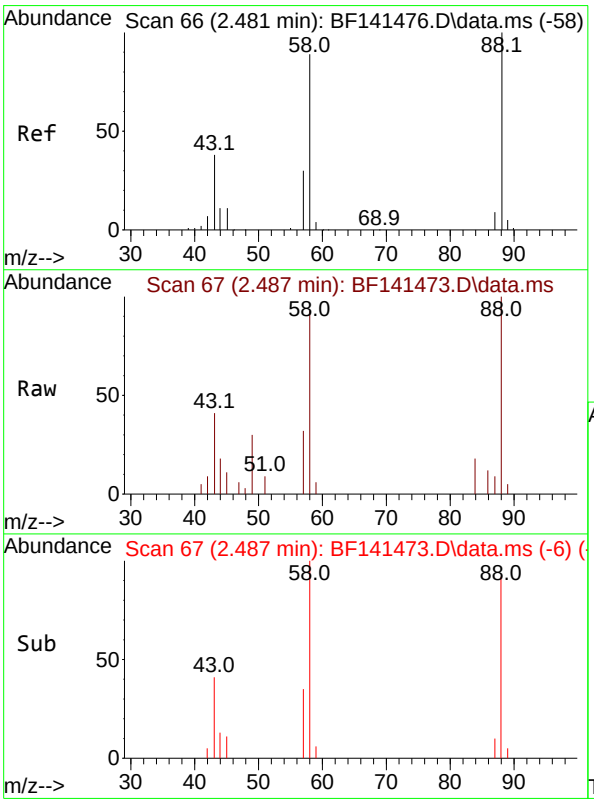
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 89396

Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.0	187.4
115	65.4	53.6	80.4

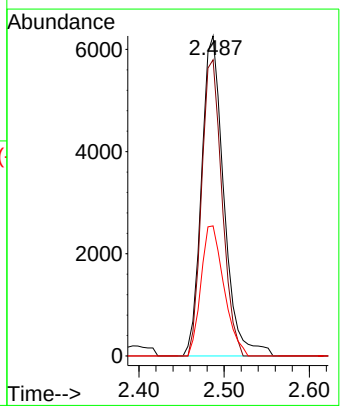


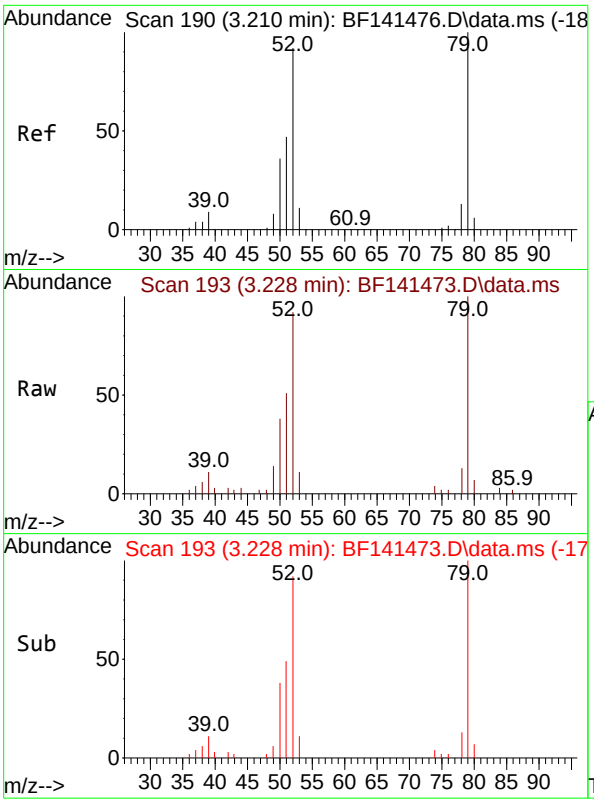


#2
1,4-Dioxane
Concen: 4.976 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 88 Resp: 11419

Ion	Ratio	Lower	Upper
88	100		
58	84.3	71.1	106.7
43	41.7	30.6	46.0



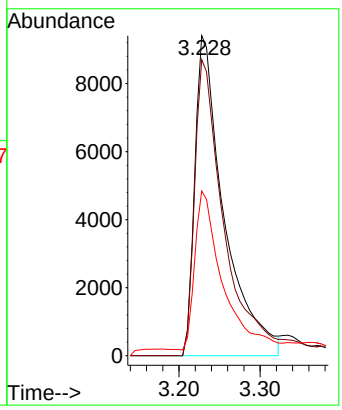


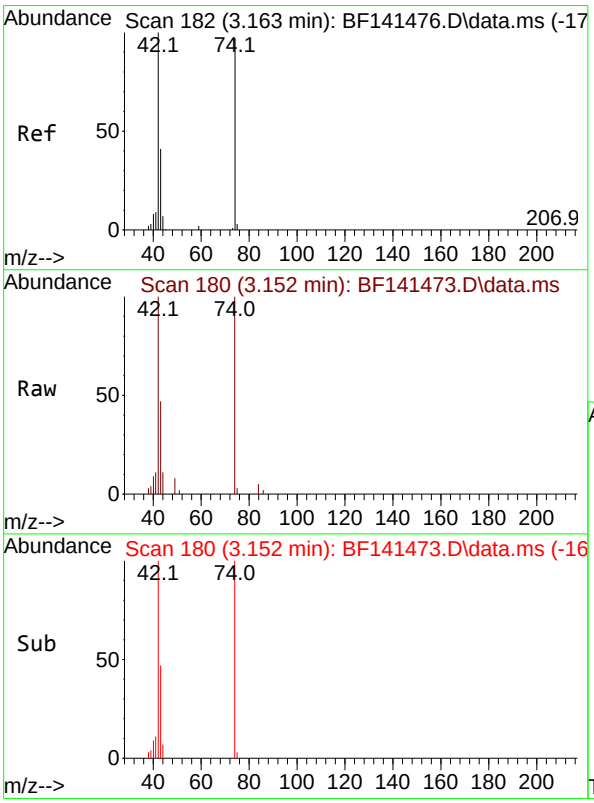
#3
Pyridine
Concen: 4.310 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 23540

Ion	Ratio	Lower	Upper
79	100		
52	92.5	73.7	110.5
51	51.5	37.5	56.3

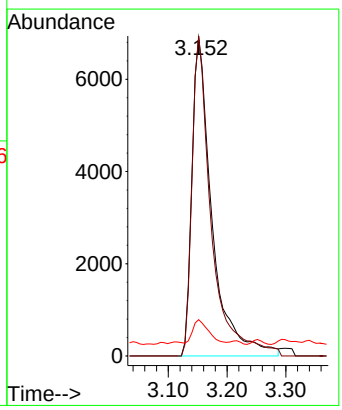


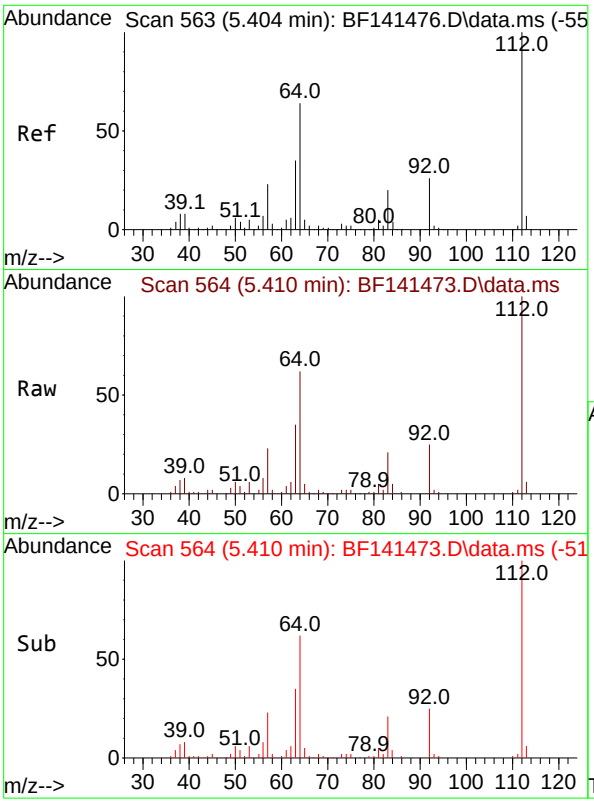


#4
n-Nitrosodimethylamine
Concen: 4.558 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 42 Resp: 16481

Ion	Ratio	Lower	Upper
42	100		
74	100.5	78.0	117.0
44	11.4	5.4	8.2#



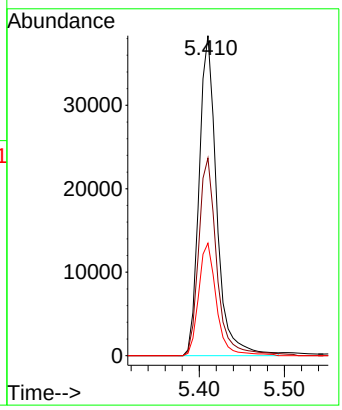


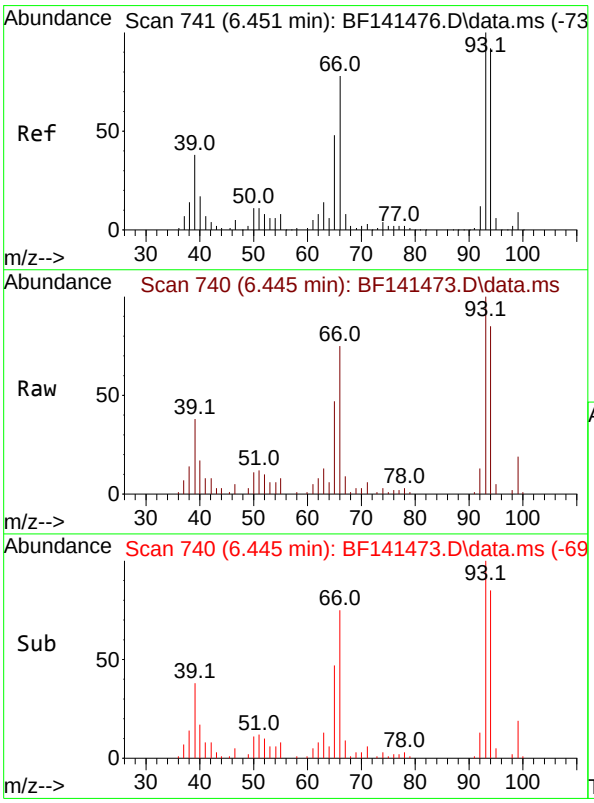
#5
2-Fluorophenol
Concen: 9.680 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 55200

Ion	Ratio	Lower	Upper
112	100		
64	61.8	51.1	76.7
63	35.1	28.4	42.6

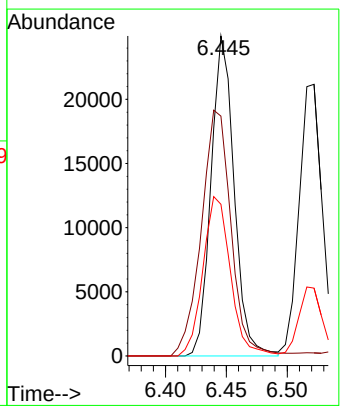


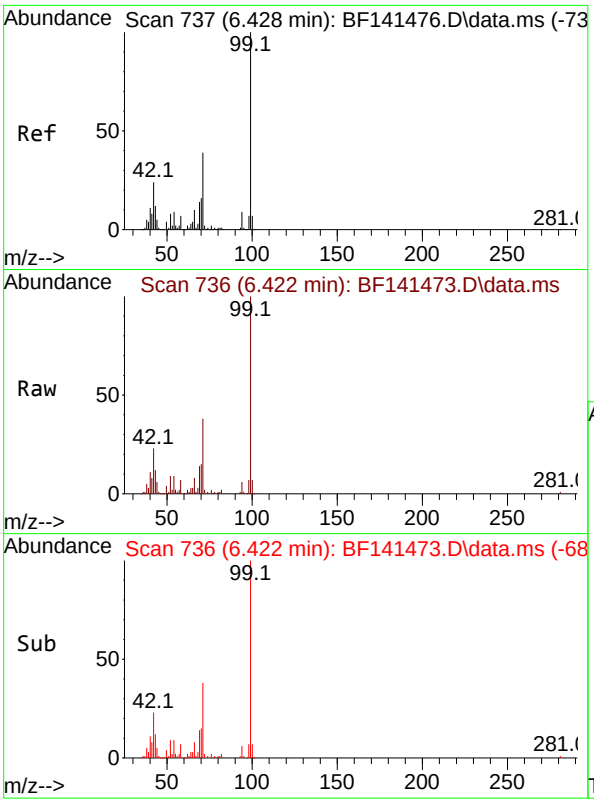


#6
Aniline
Concen: 4.880 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 93 Resp: 32993

Ion	Ratio	Lower	Upper
93	100		
66	75.0	62.6	94.0
65	47.4	38.3	57.5



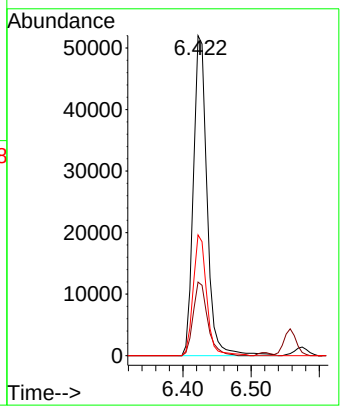


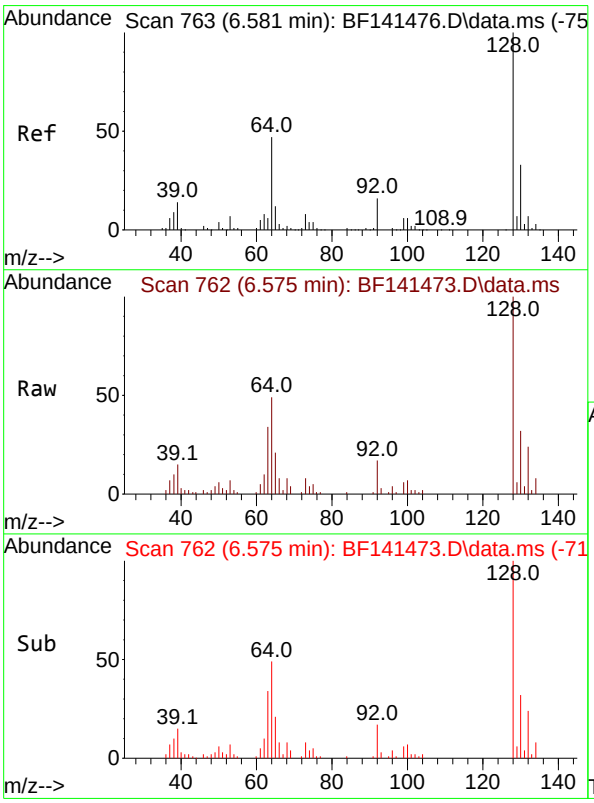
#7
Phenol-d6
Concen: 10.042 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 72376

Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.1	28.7
71	37.7	31.1	46.7

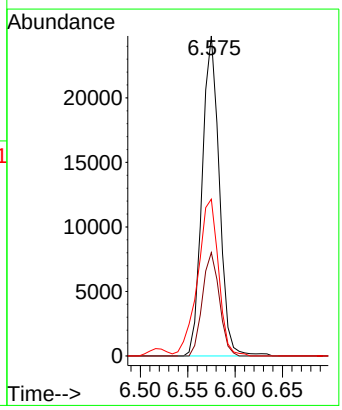


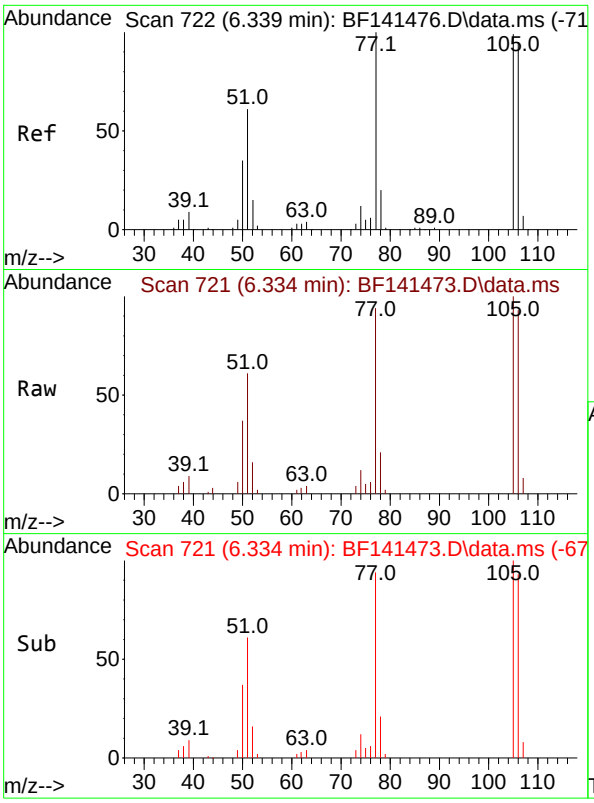


#8
2-Chlorophenol
Concen: 5.074 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:128 Resp: 31263

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.7	52.7
64	49.0	28.3	68.3



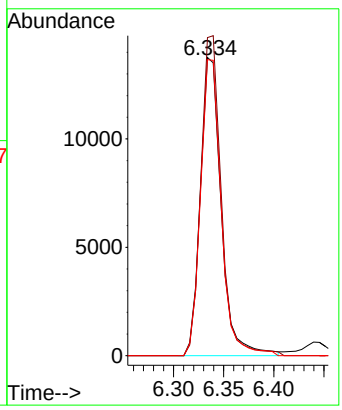


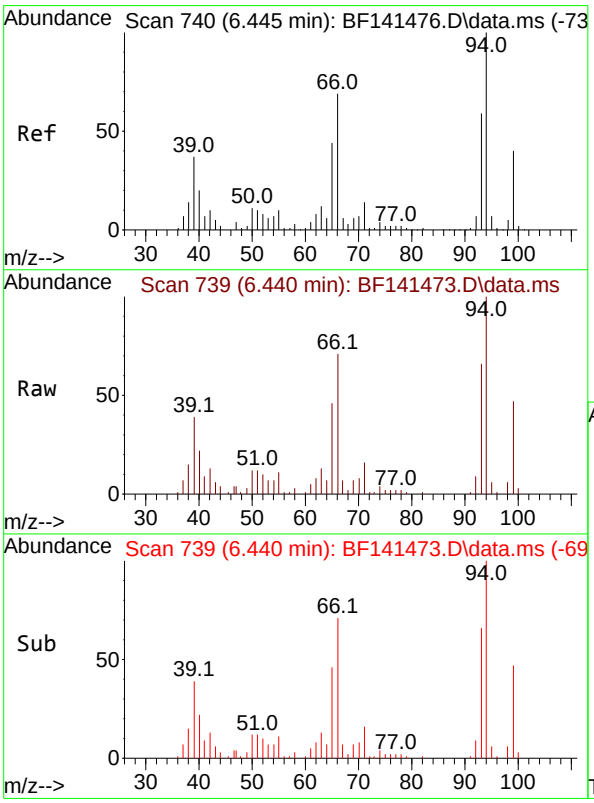
#9
Benzaldehyde
Concen: 5.207 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 19944

Ion	Ratio	Lower	Upper
77	100		
105	106.6	79.4	119.4
106	99.2	75.1	115.1

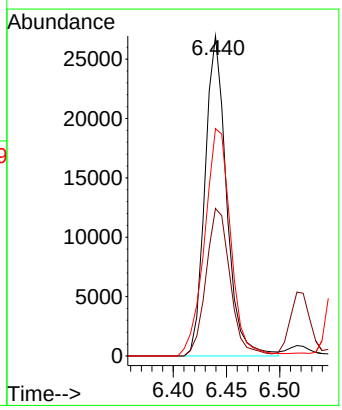


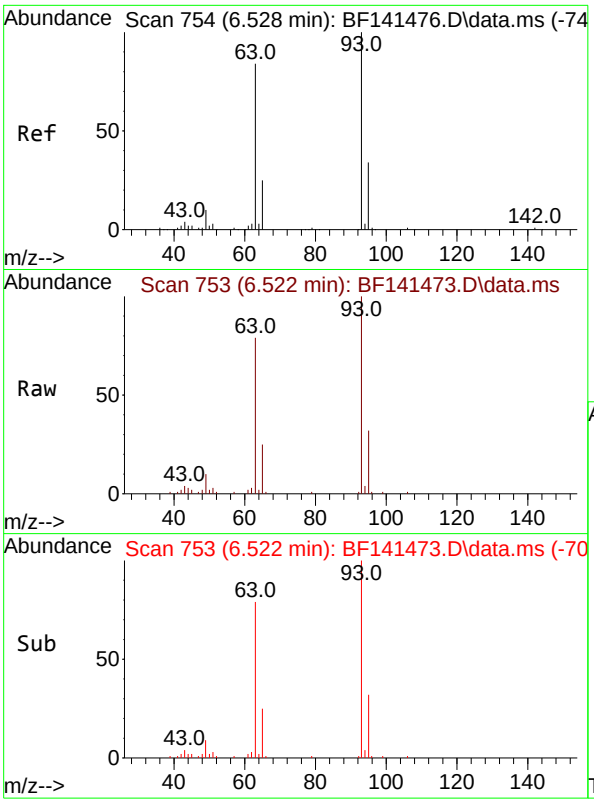


#10
Phenol
Concen: 5.044 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 94 Resp: 37833

Ion	Ratio	Lower	Upper
94	100		
65	46.1	23.7	63.7
66	71.1	49.3	89.3



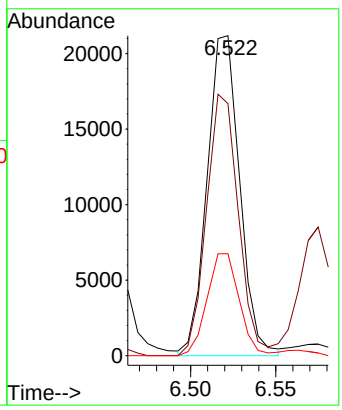


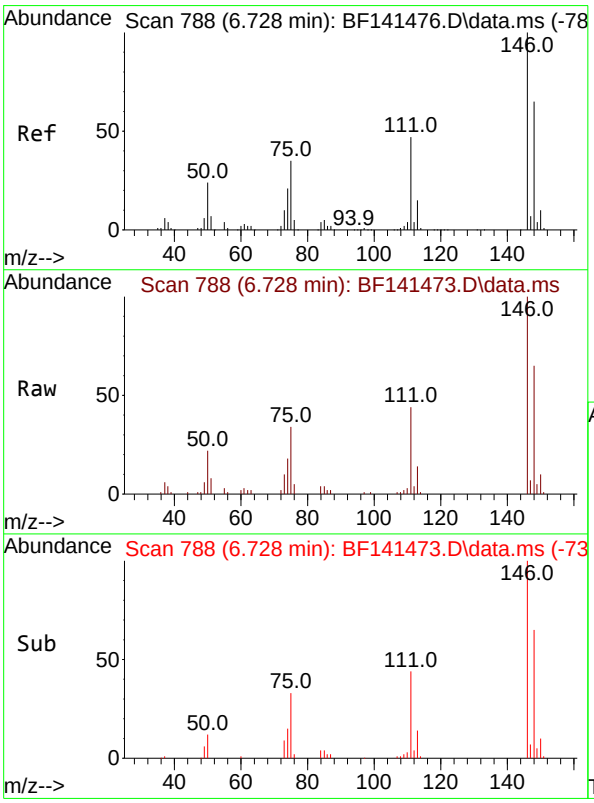
#11
bis(2-Chloroethyl)ether
Concen: 5.006 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 28203

Ion	Ratio	Lower	Upper
93	100		
63	78.7	62.0	102.0
95	31.9	12.6	52.6

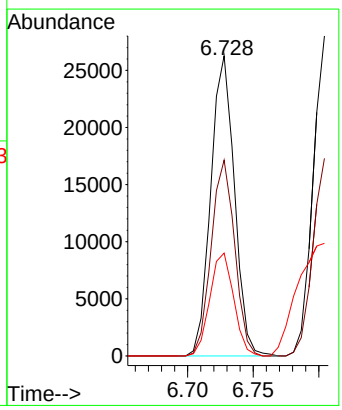


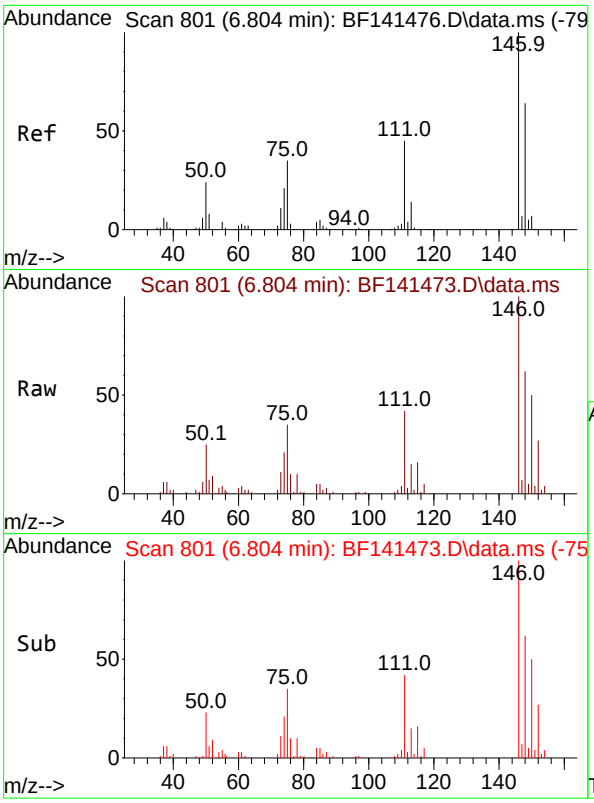


#12
1,3-Dichlorobenzene
Concen: 5.060 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:146 Resp: 32913

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
75	34.3	28.2	42.2



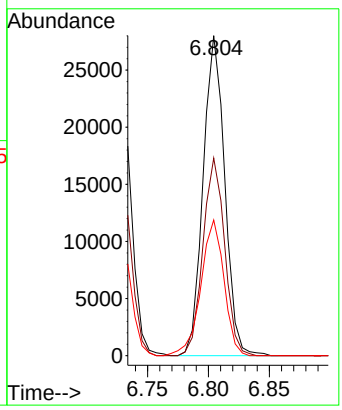


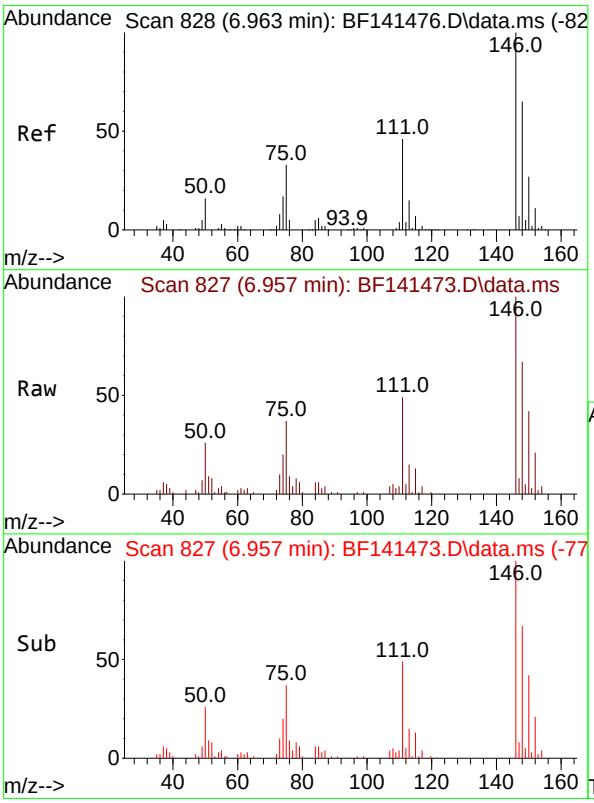
#13
1,4-Dichlorobenzene
Concen: 5.199 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 34555

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.9	76.3
111	42.4	35.9	53.9

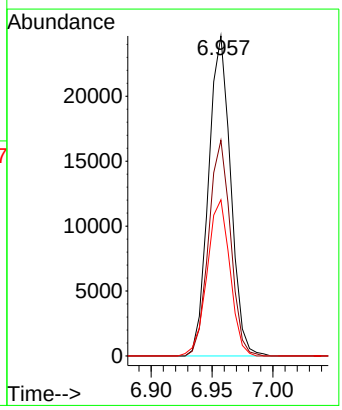


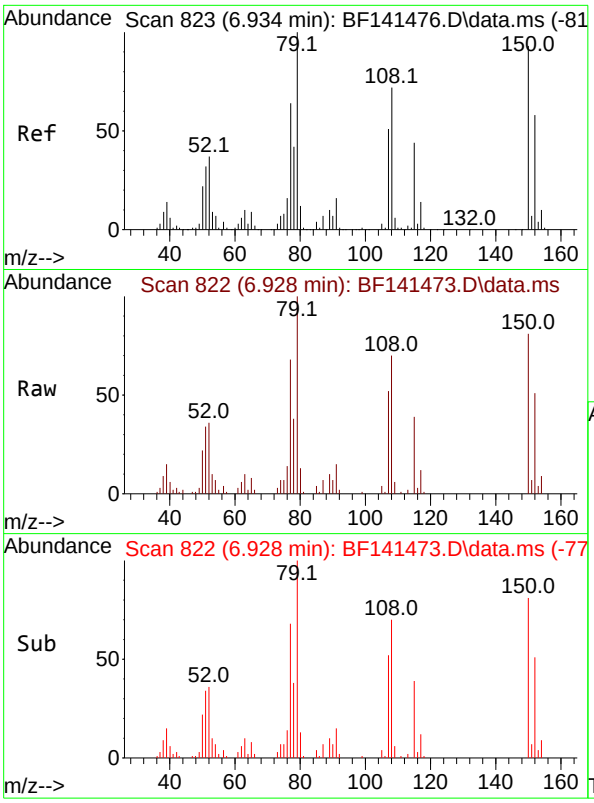


#14
1,2-Dichlorobenzene
Concen: 5.049 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:146 Resp: 31141

Ion	Ratio	Lower	Upper
146	100		
148	67.4	51.8	77.6
111	48.8	37.0	55.4



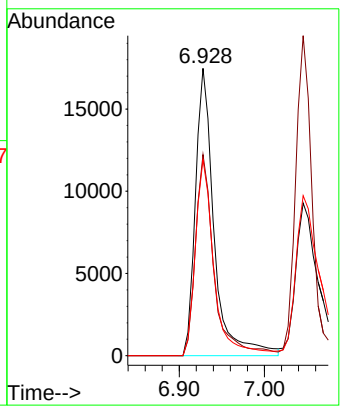


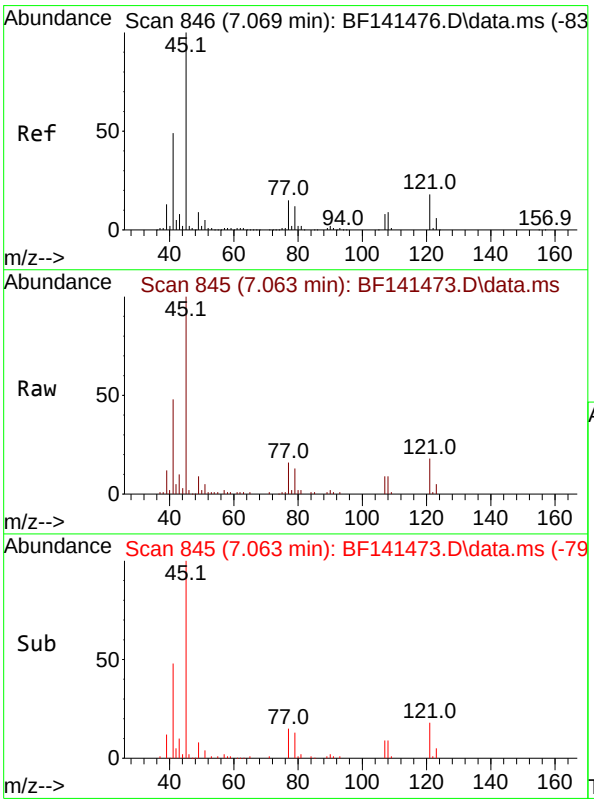
#15
Benzyl Alcohol
Concen: 4.815 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 26612

Ion	Ratio	Lower	Upper
79	100		
108	70.0	57.4	86.2
77	68.2	50.9	76.3

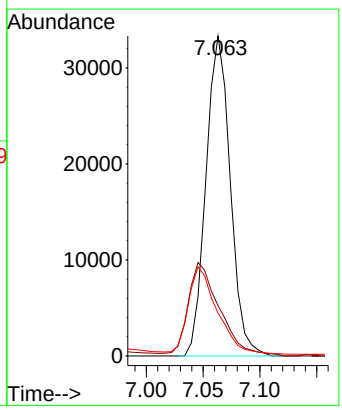


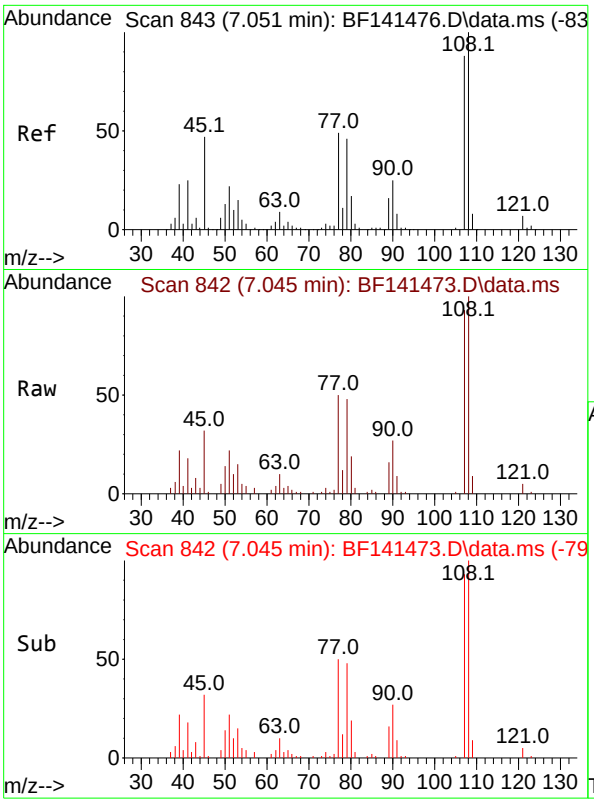


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.150 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 45 Resp: 49667

Ion	Ratio	Lower	Upper
45	100		
77	15.7	0.0	35.8
79	13.4	0.0	32.7



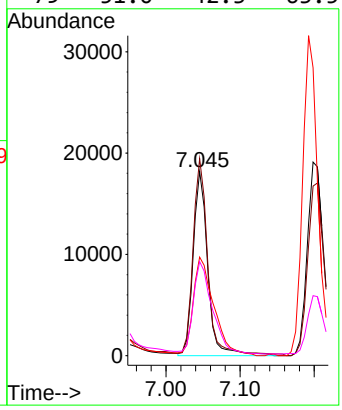


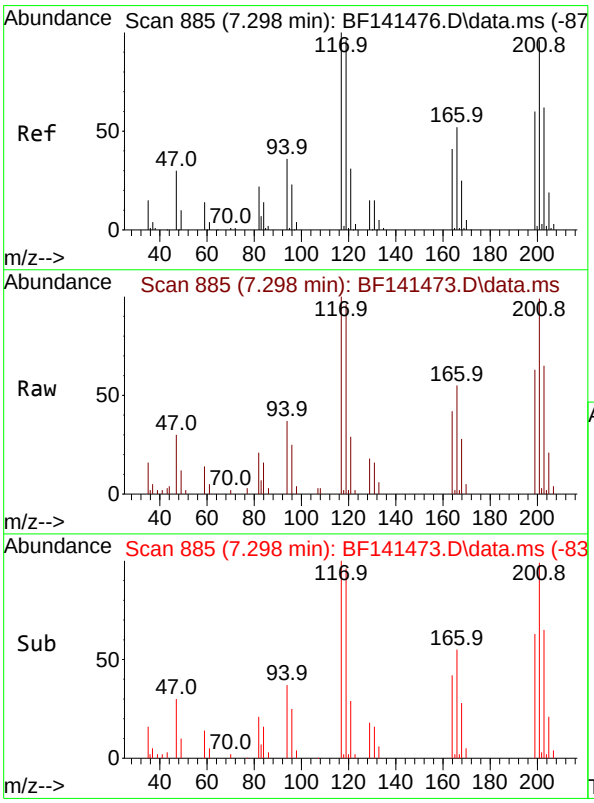
#17
2-Methylphenol
Concen: 5.173 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 24939

Ion	Ratio	Lower	Upper
107	100		
108	107.0	90.6	136.0
77	53.5	44.4	66.6
79	51.0	42.3	63.5

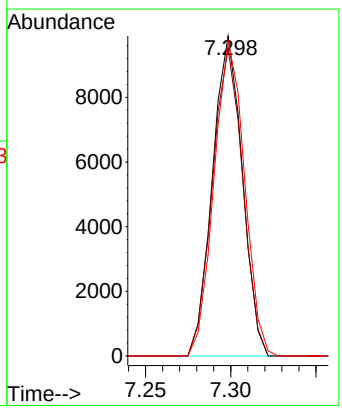


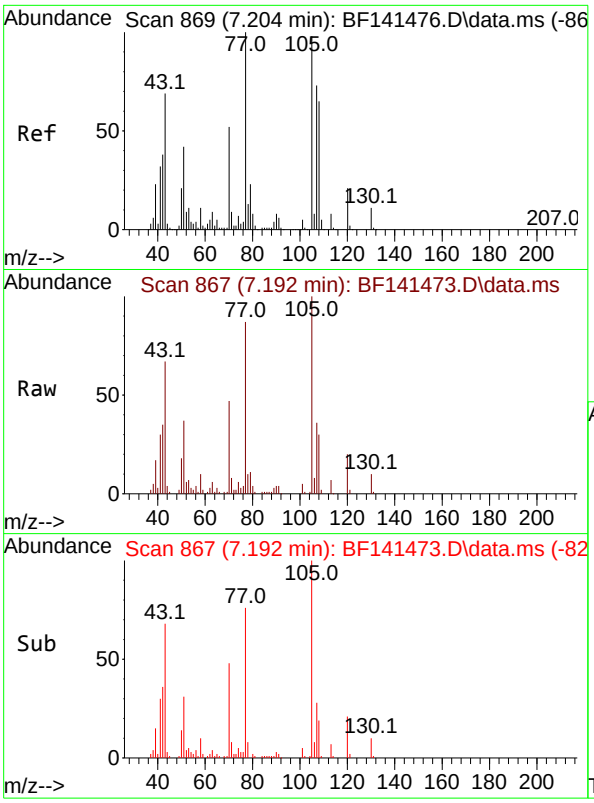


#18
Hexachloroethane
Concen: 4.896 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:117 Resp: 12043

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.5	114.7
201	98.5	76.7	115.1



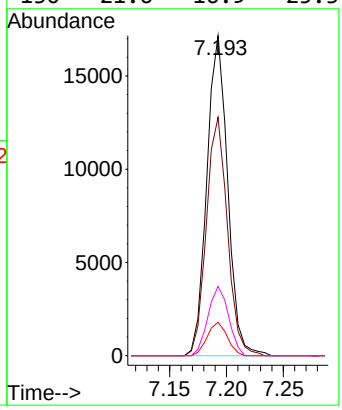


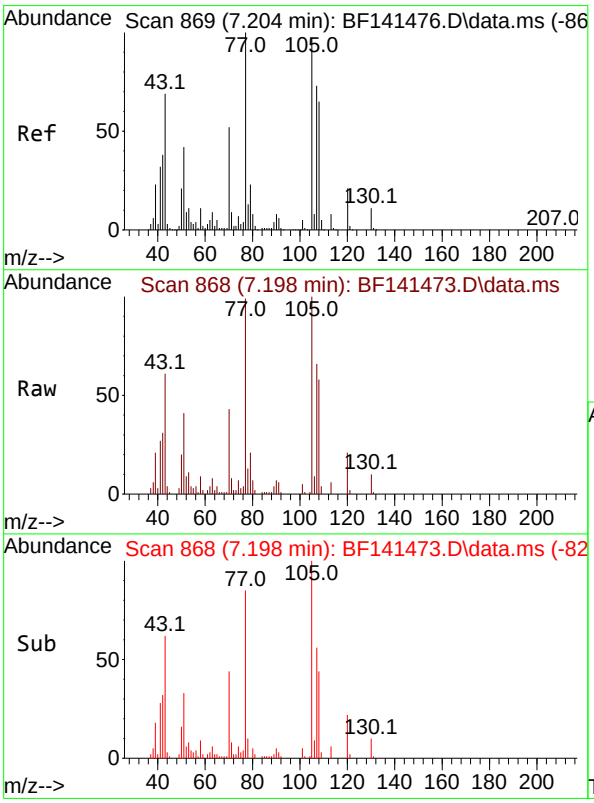
#19
n-Nitroso-di-n-propylamine
Concen: 5.072 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 21865

Ion	Ratio	Lower	Upper
70	100		
42	74.5	57.4	86.2
101	10.5	8.0	12.0
130	21.6	16.9	25.3

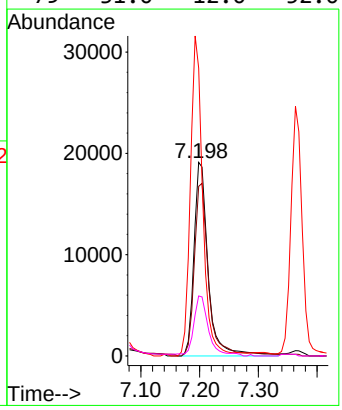


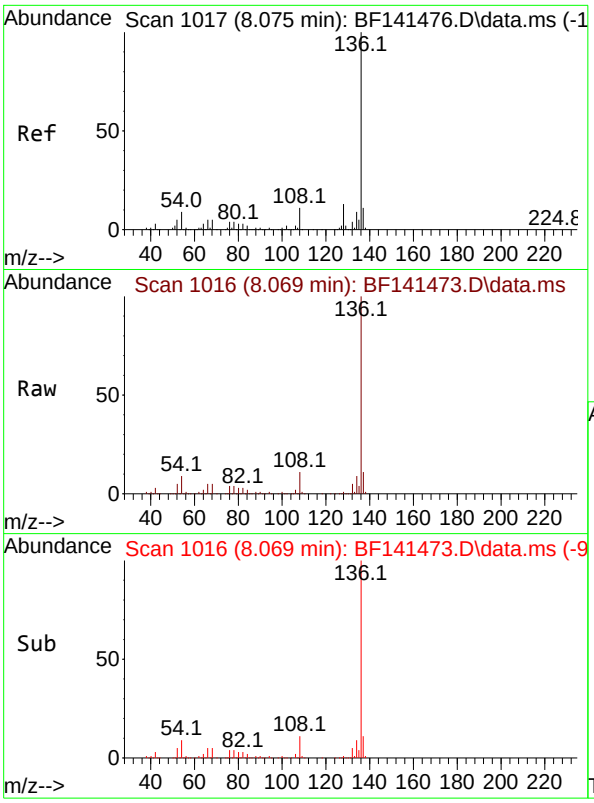


#20
3+4-Methylphenols
Concen: 5.258 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:107 Resp: 32221

Ion	Ratio	Lower	Upper
107	100		
108	87.6	68.5	108.5
77	148.7	116.5	156.5
79	31.0	12.0	52.0



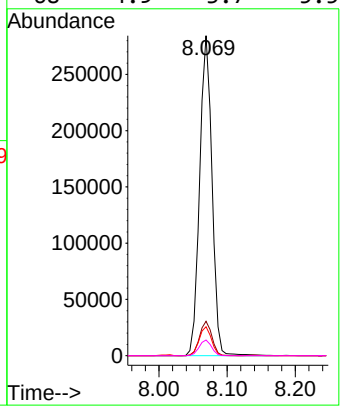


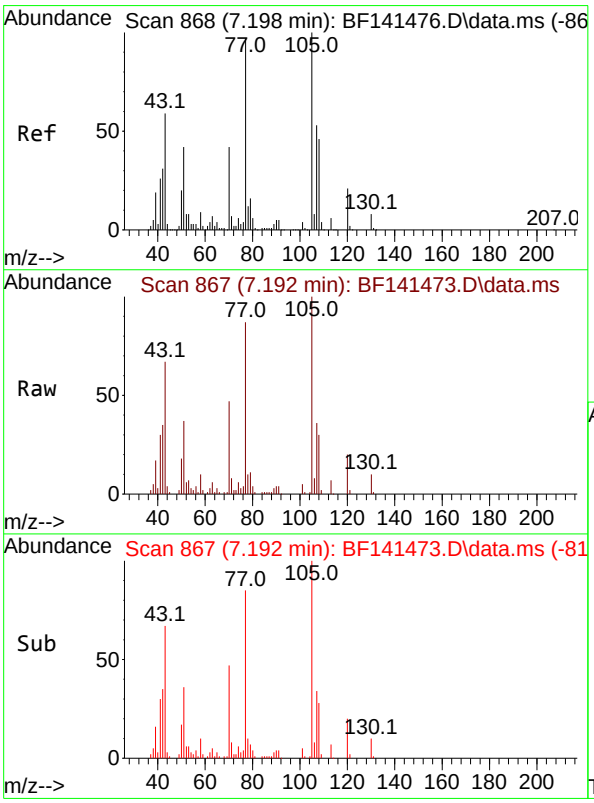
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 358966

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	7.2	10.8
68	4.9	3.7	5.5

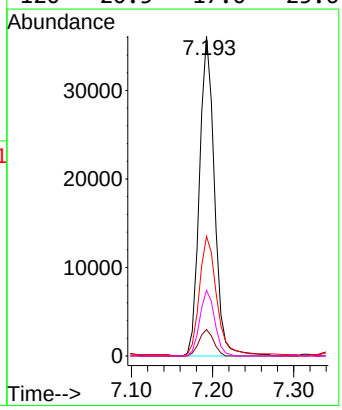


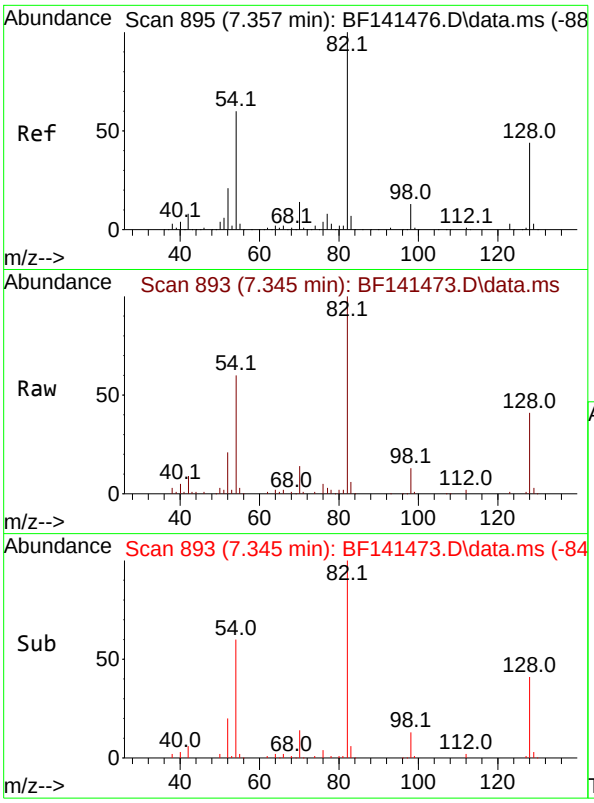


#22
Acetophenone
Concen: 5.201 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:105 Resp: 46441

Ion	Ratio	Lower	Upper
105	100		
71	8.3	5.7	8.5
51	37.4	33.7	50.5
120	20.5	17.0	25.6



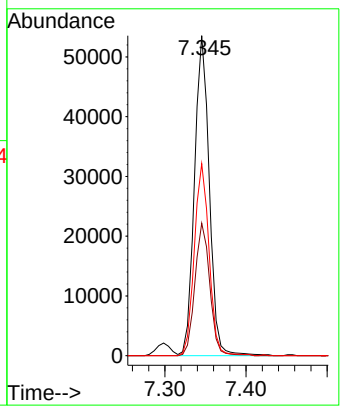


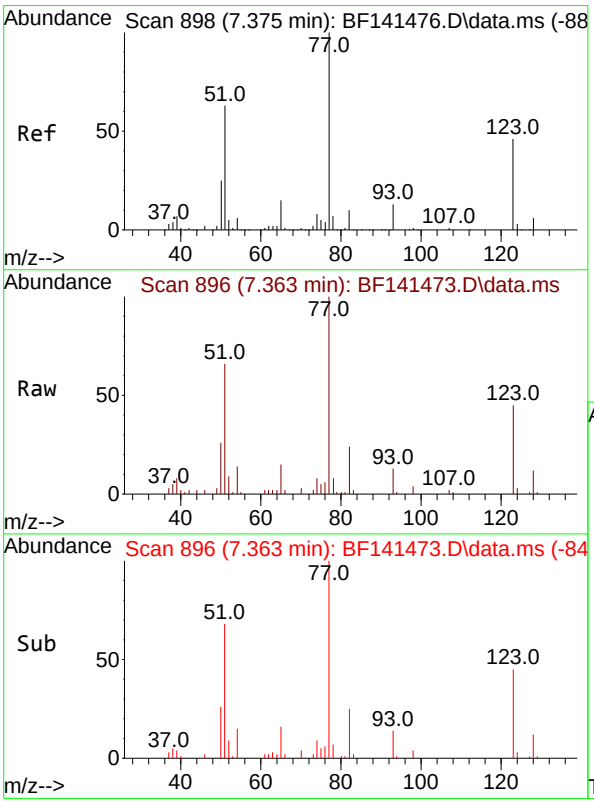
#23
Nitrobenzene-d5
Concen: 9.918 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 68257

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.8	52.2
54	60.0	48.2	72.4

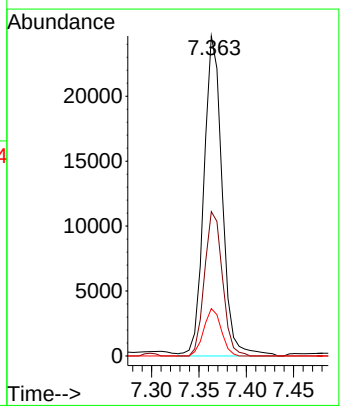


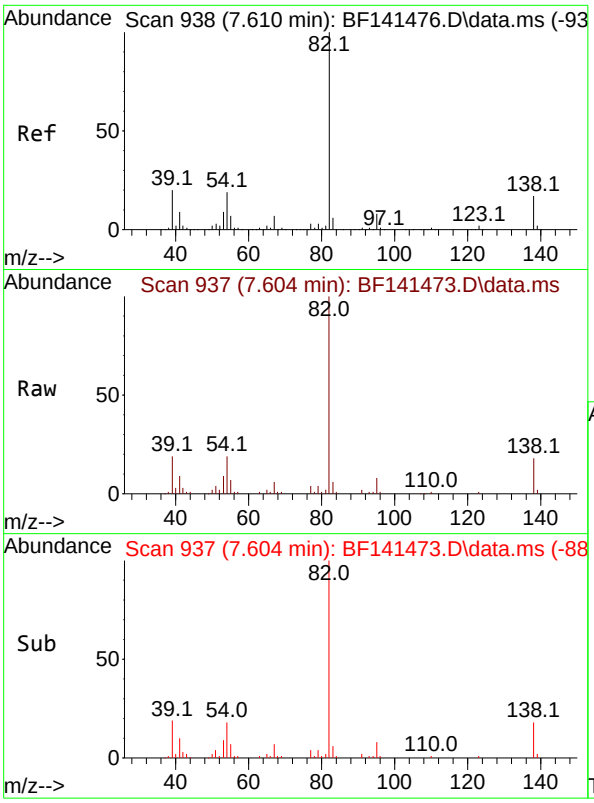


#24
Nitrobenzene
Concen: 4.943 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 77 Resp: 33173

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.9	55.3
65	14.8	11.9	17.9



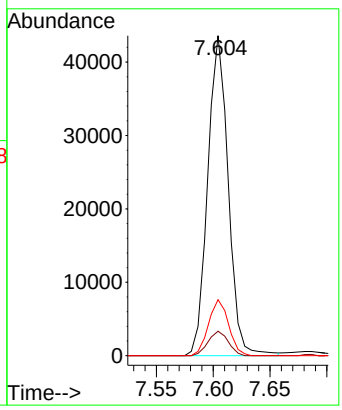


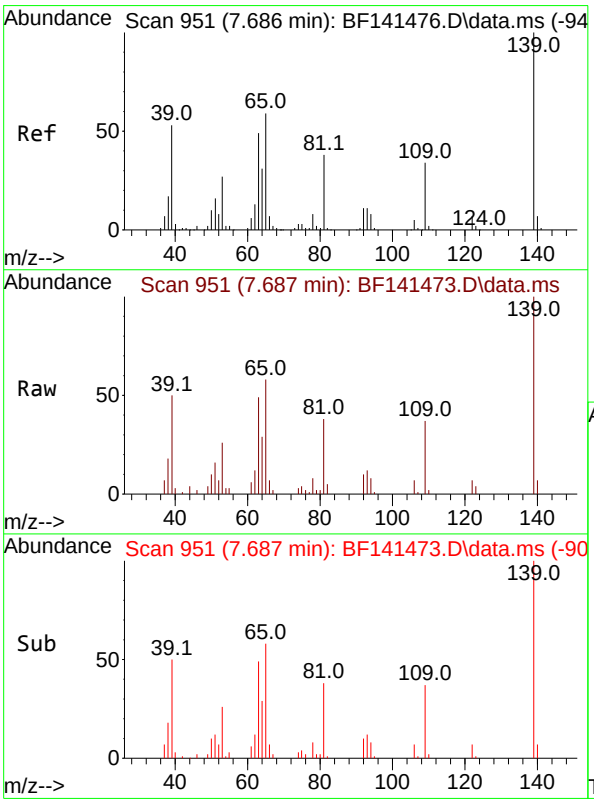
#25
Isophorone
Concen: 4.993 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 54796

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	17.5	13.9	20.9

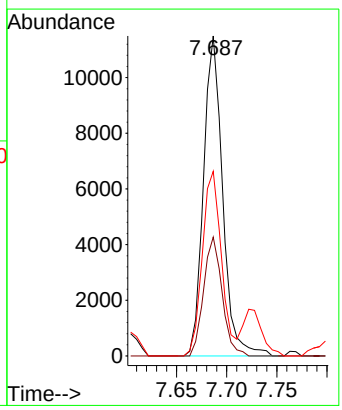


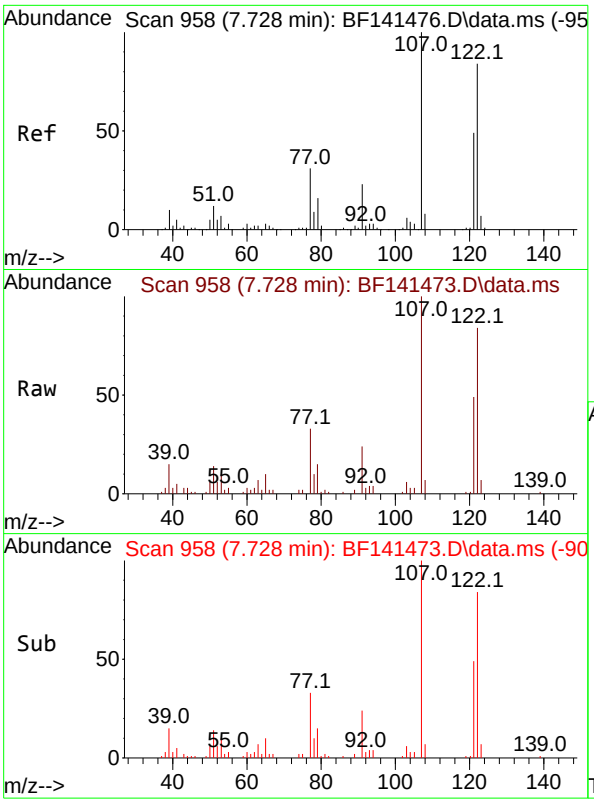


#26
2-Nitrophenol
Concen: 4.592 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:139 Resp: 15331

Ion	Ratio	Lower	Upper
139	100		
109	37.1	27.0	40.6
65	57.7	47.1	70.7



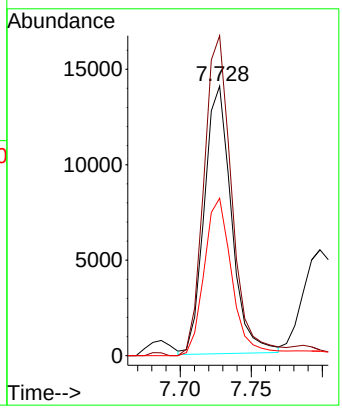


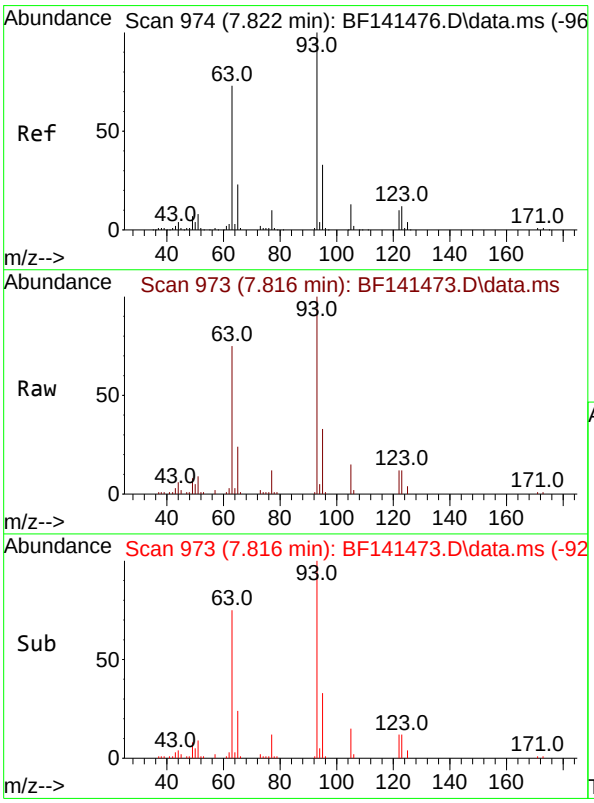
#27
2,4-Dimethylphenol
Concen: 4.784 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 18659

Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	58.4	46.0	69.0

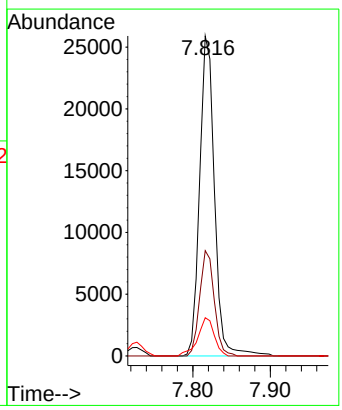


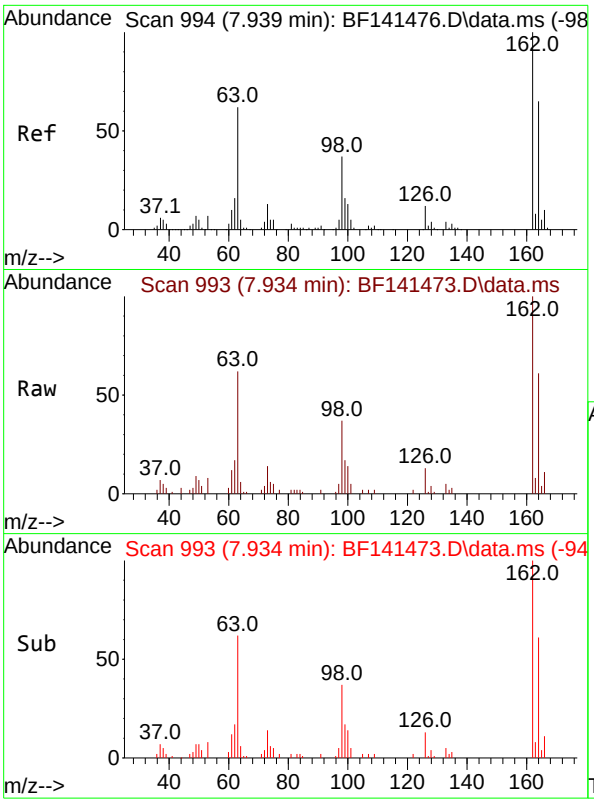


#28
bis(2-Chloroethoxy)methane
Concen: 4.902 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 93 Resp: 34469

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	12.0	9.5	14.3



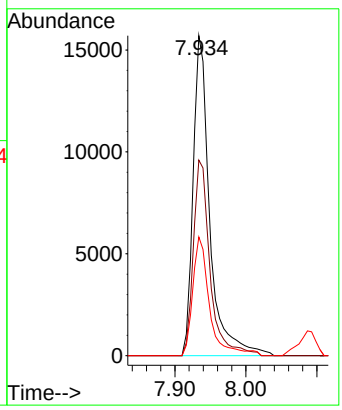


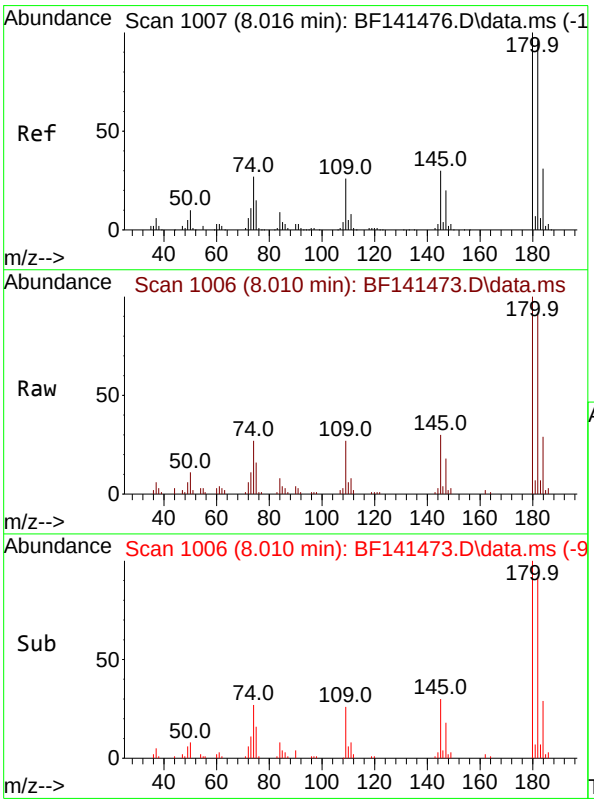
#29
2,4-Dichlorophenol
Concen: 4.870 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 25667

Ion	Ratio	Lower	Upper
162	100		
164	61.1	44.6	84.6
98	37.1	17.2	57.2

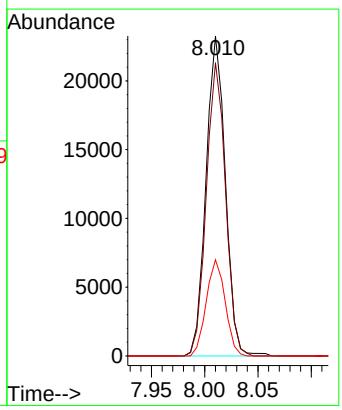


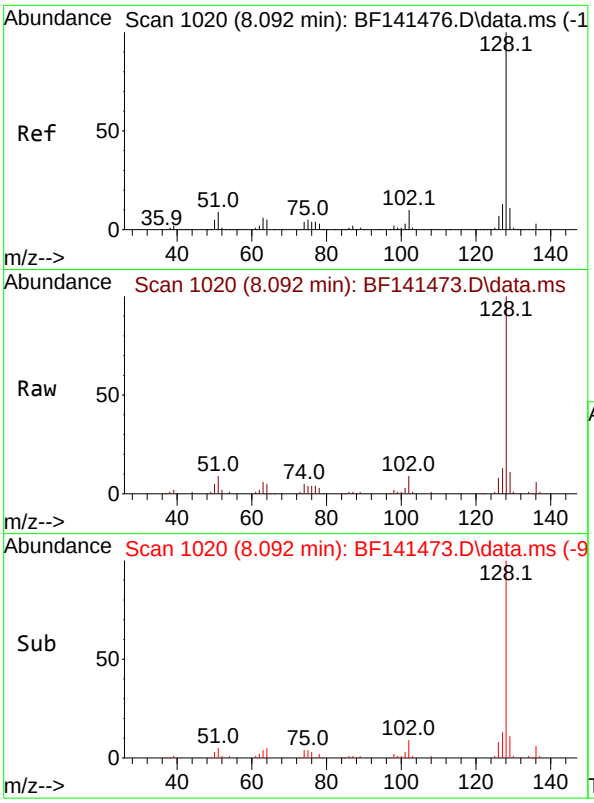


#30
1,2,4-Trichlorobenzene
Concen: 5.109 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:180 Resp: 29321

Ion	Ratio	Lower	Upper
180	100		
182	91.6	76.8	115.2
145	30.0	24.2	36.4



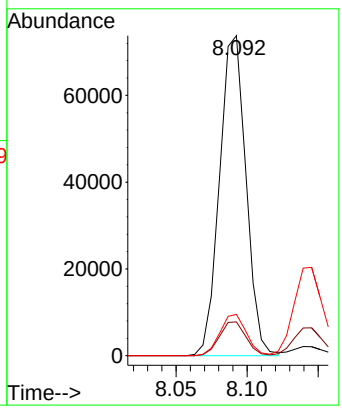


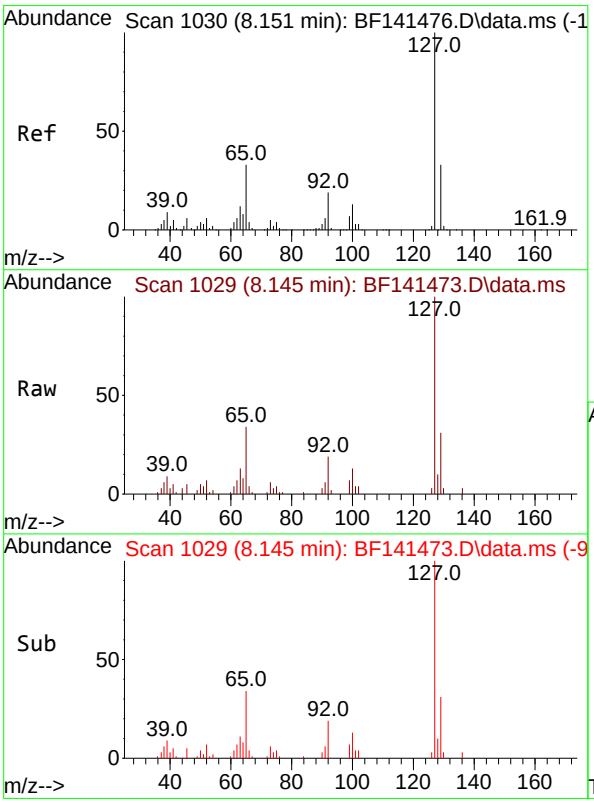
#31
Naphthalene
Concen: 5.123 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 95730

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.9	10.7	16.1

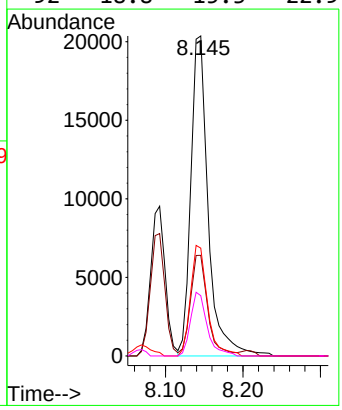


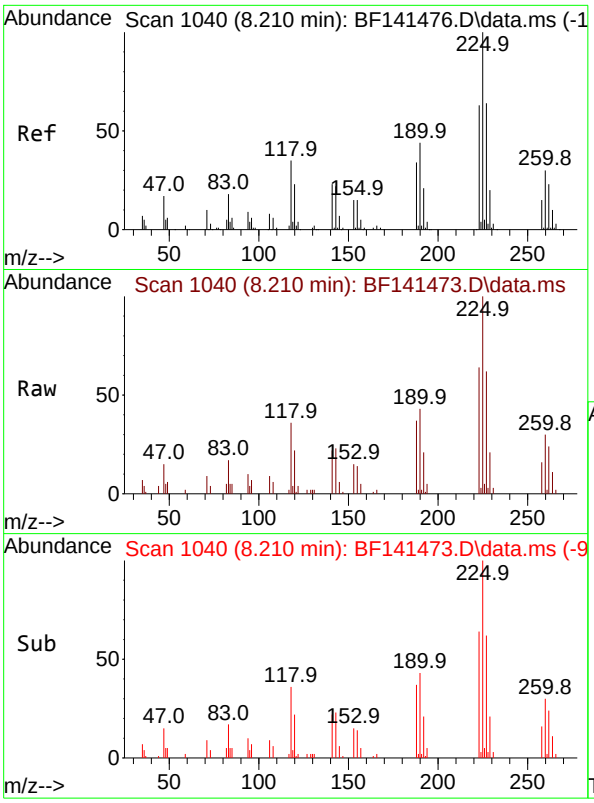


#33
4-Chloroaniline
Concen: 4.864 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:127 Resp: 31729

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.5	39.7
65	33.7	26.4	39.6
92	18.8	15.3	22.9



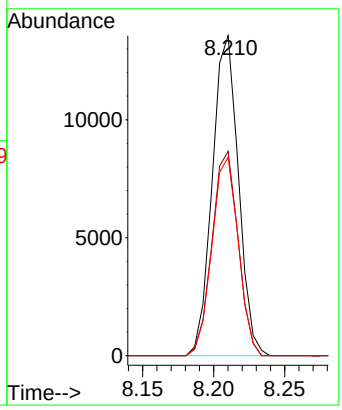


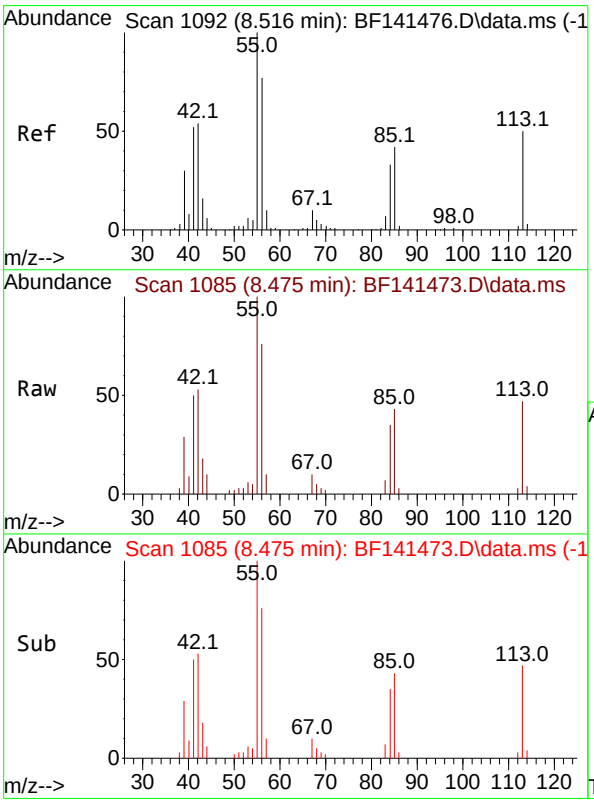
#34
Hexachlorobutadiene
Concen: 5.028 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 17323

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.1	75.1
227	62.0	51.0	76.6

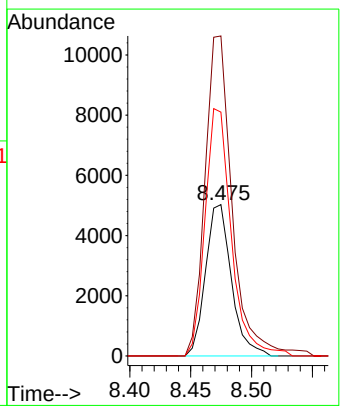


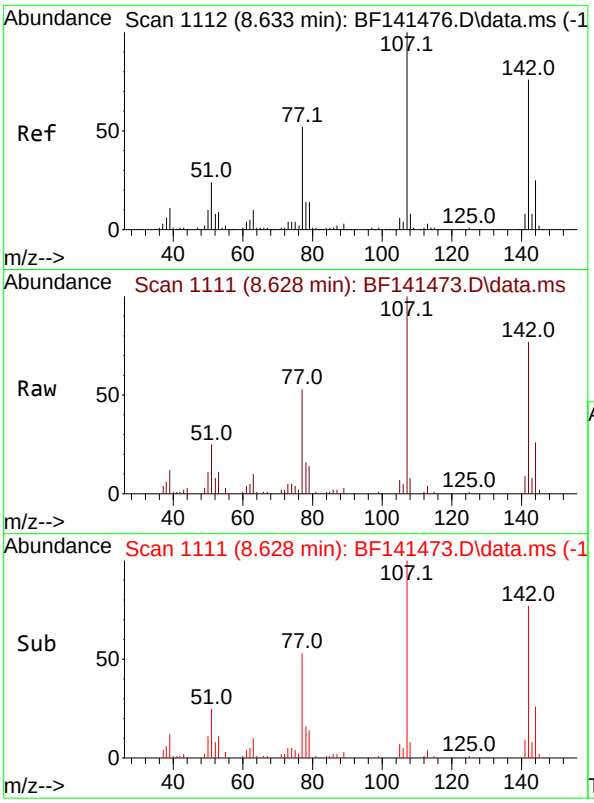


#35
Caprolactam
Concen: 4.635 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.070 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:113 Resp: 7437

Ion	Ratio	Lower	Upper
113	100		
55	211.4	180.8	220.8
56	161.1	133.6	173.6



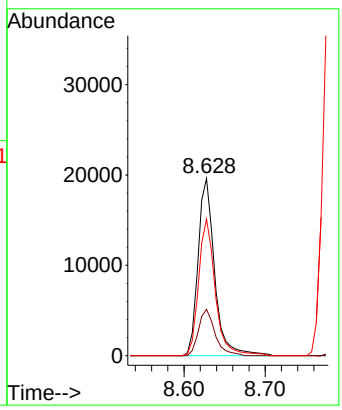


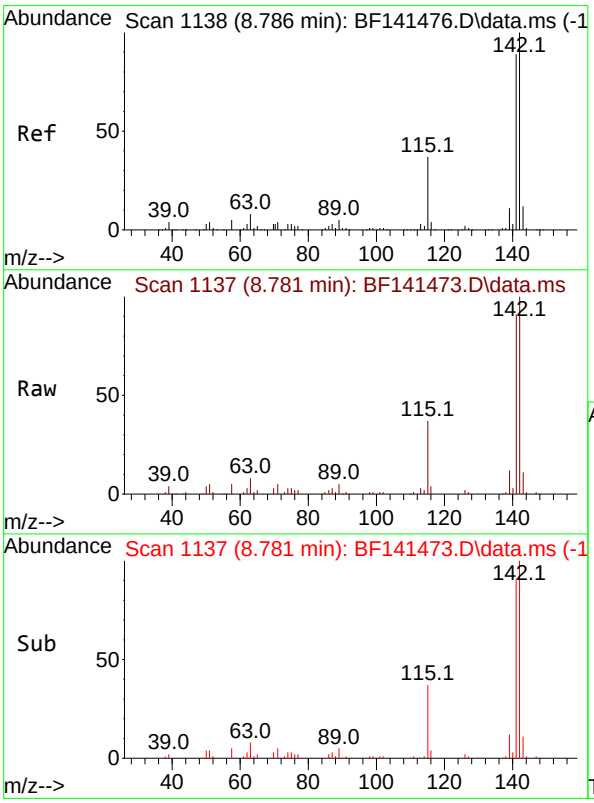
#36
4-Chloro-3-methylphenol
Concen: 4.765 ng
RT: 8.628 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 27818

Ion	Ratio	Lower	Upper
107	100		
144	26.2	19.7	29.5
142	77.1	60.8	91.2

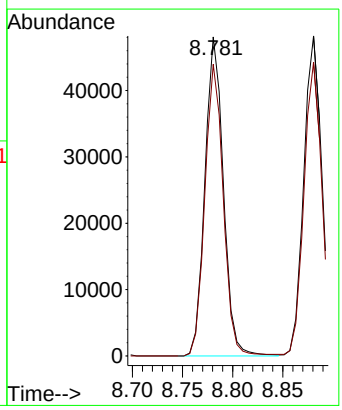


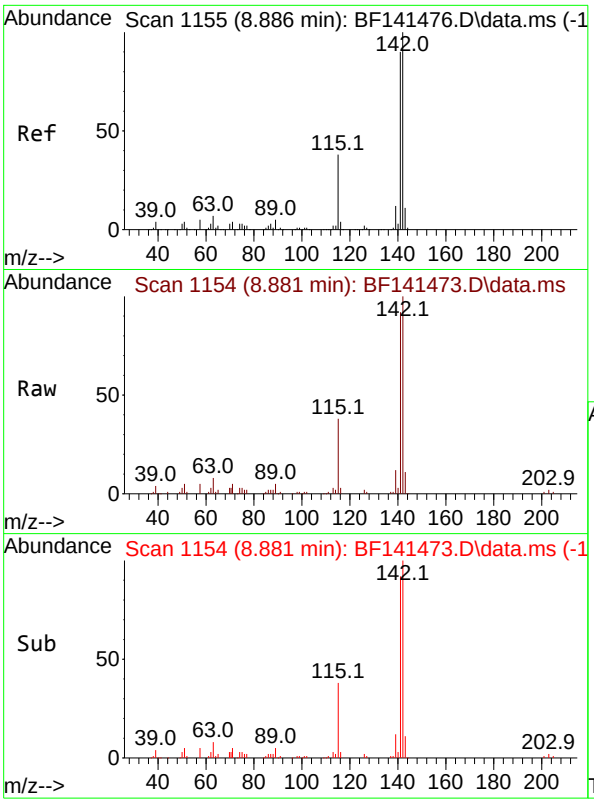


#37
2-Methylnaphthalene
Concen: 5.078 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:142 Resp: 61742

Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.2	106.8



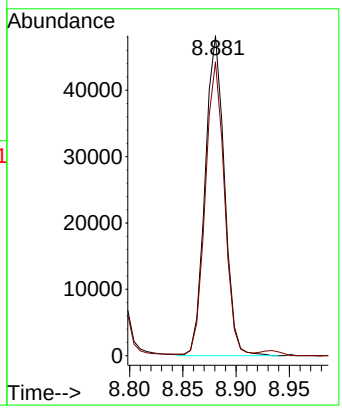


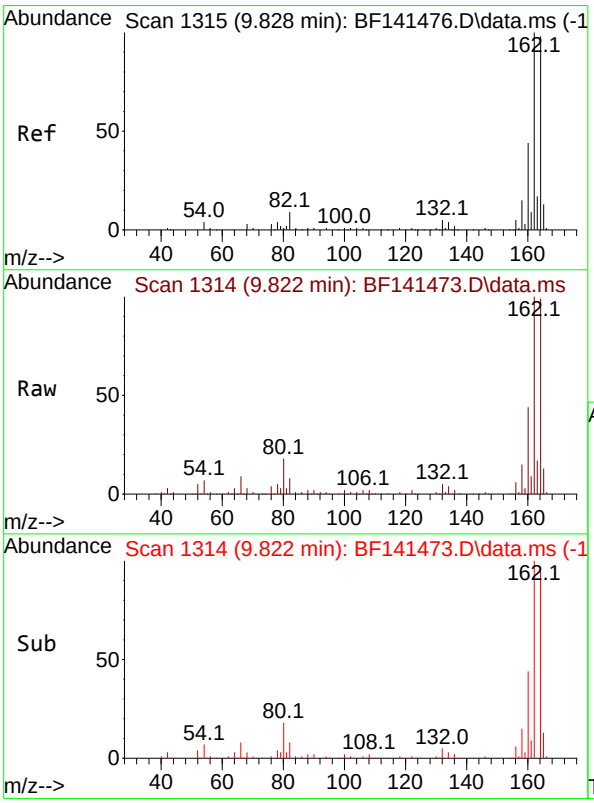
#38
1-Methylnaphthalene
Concen: 5.182 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 61026

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.1	108.1

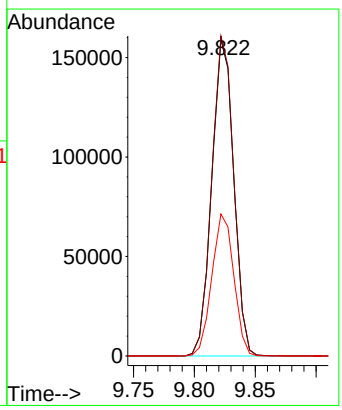


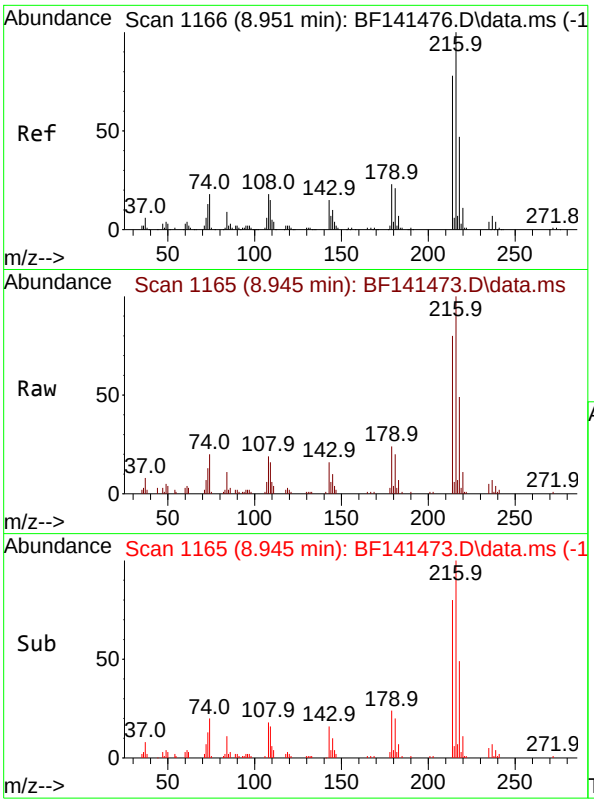


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:164 Resp: 199514

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	44.9	35.9	53.9



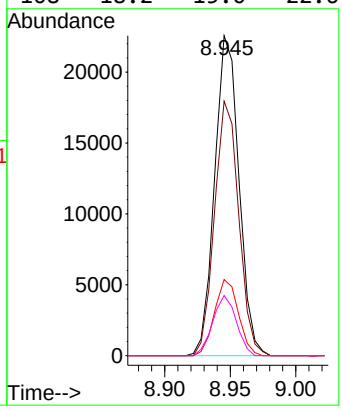


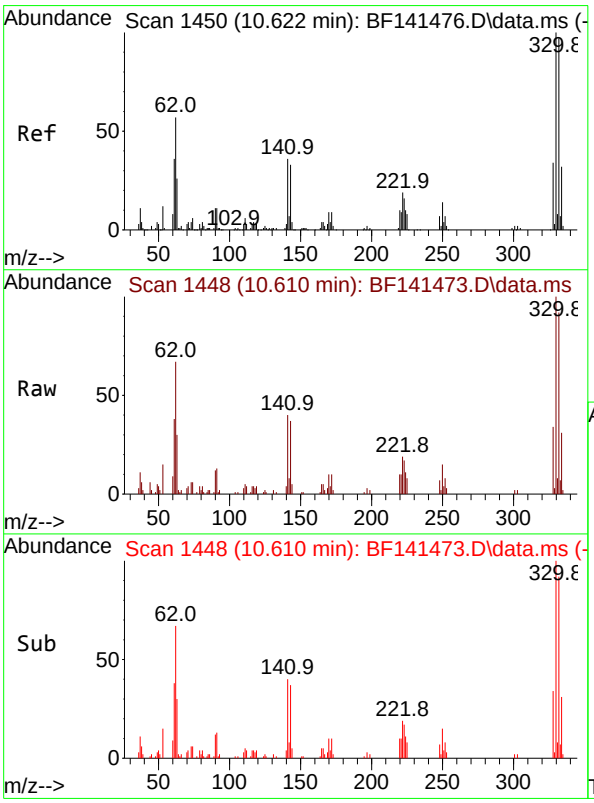
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.028 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 29023

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.3	93.5
179	23.4	18.0	27.0
108	18.2	15.0	22.6

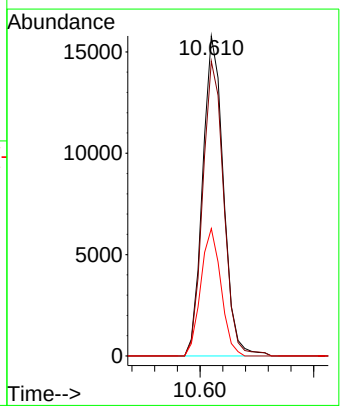


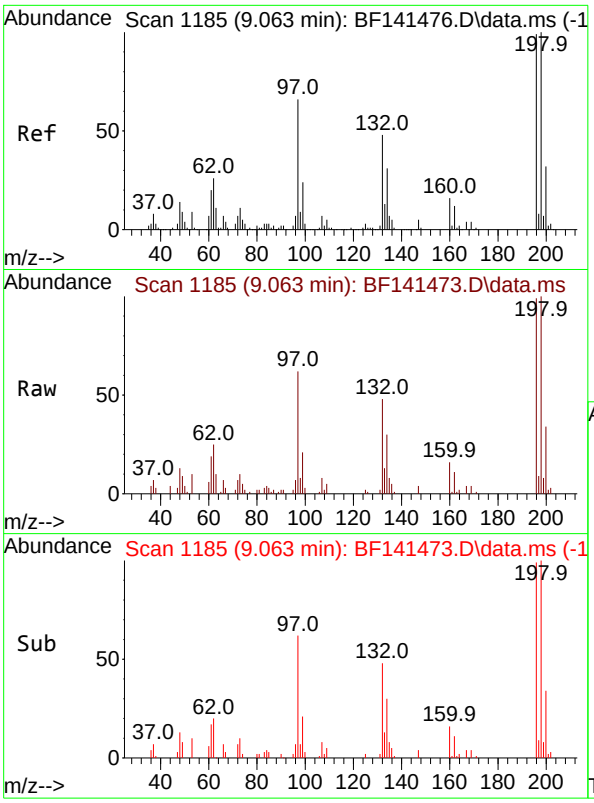


#42
2,4,6-Tribromophenol
Concen: 10.009 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:330 Resp: 20060

Ion	Ratio	Lower	Upper
330	100		
332	92.9	78.5	117.7
141	38.7	31.0	46.4



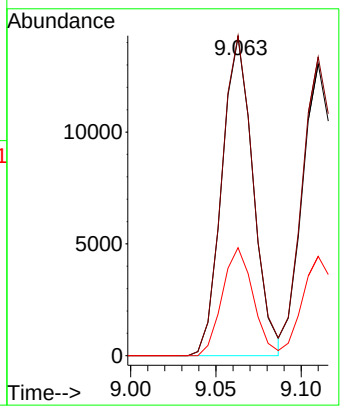


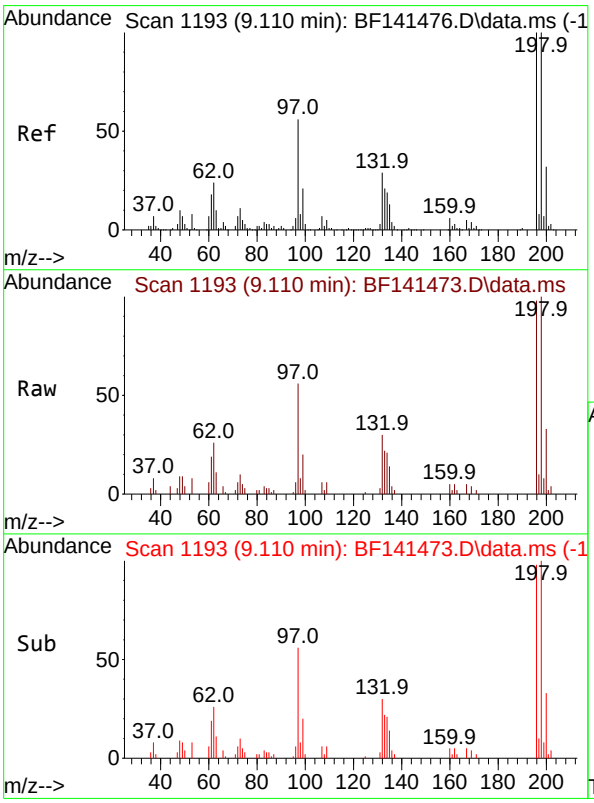
#43
2,4,6-Trichlorophenol
Concen: 4.863 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 18144

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.6	121.0
200	34.0	25.5	38.3

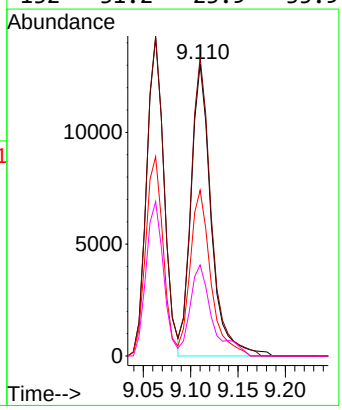


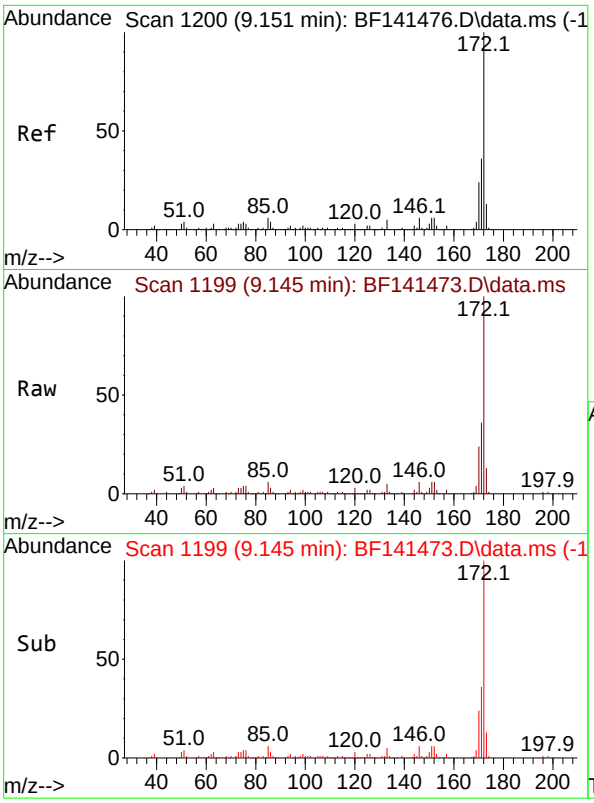


#44
2,4,5-Trichlorophenol
Concen: 4.750 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:196 Resp: 19204

Ion	Ratio	Lower	Upper
196	100		
198	102.3	79.8	119.8
97	56.8	44.8	67.2
132	31.2	23.9	35.9



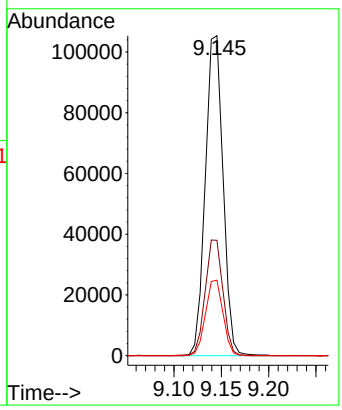


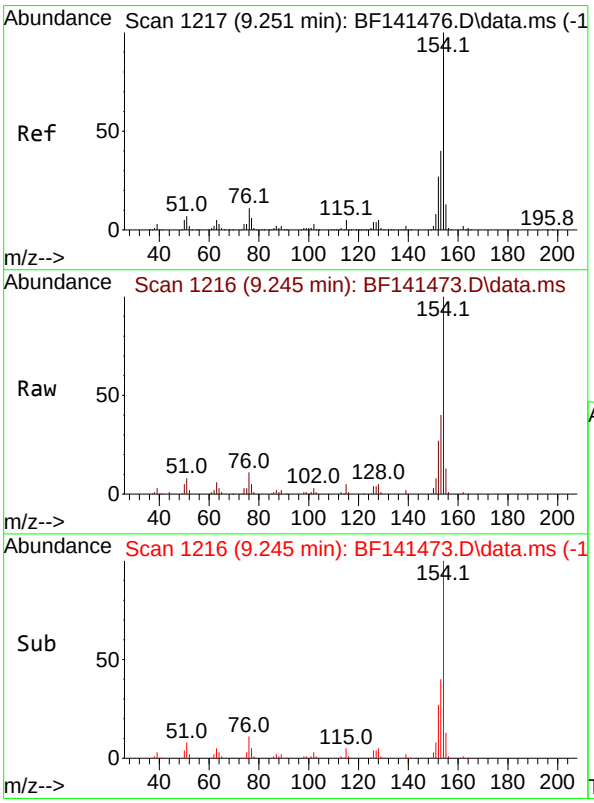
#45
2-Fluorobiphenyl
Concen: 10.573 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 136925

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.6	18.9	28.3

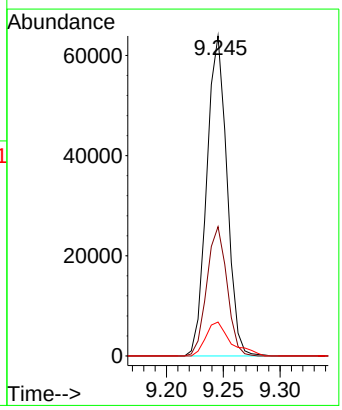


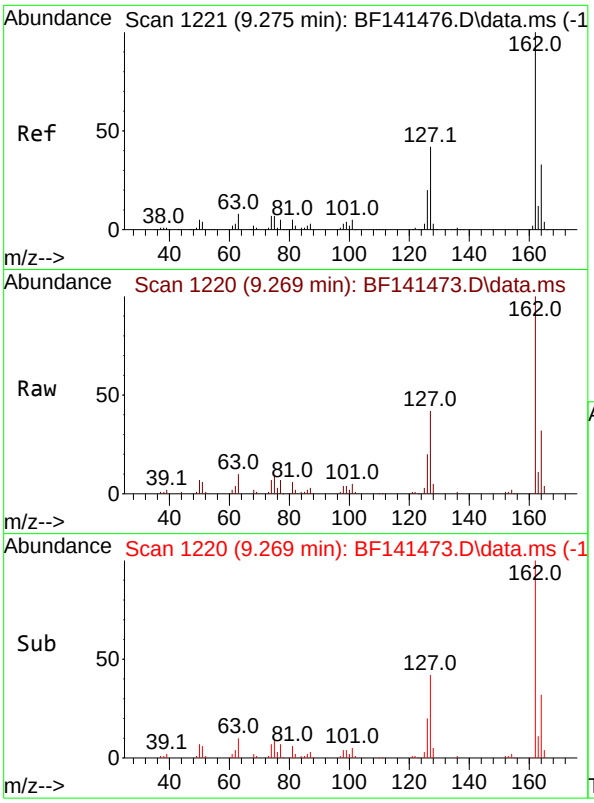


#46
1,1'-Biphenyl
Concen: 5.103 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:154 Resp: 78931

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.6	0.0	30.8



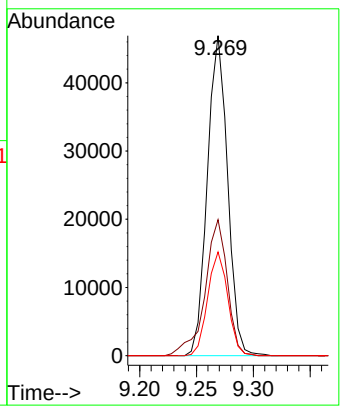


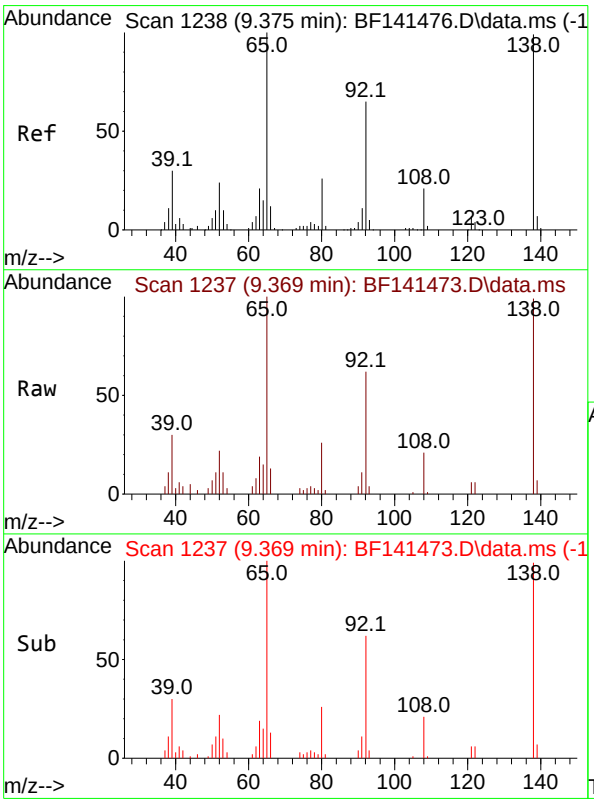
#47
2-Chloronaphthalene
Concen: 5.088 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 58201

Ion	Ratio	Lower	Upper
162	100		
127	42.5	34.1	51.1
164	32.4	26.3	39.5

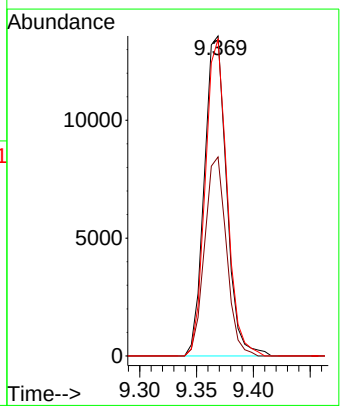


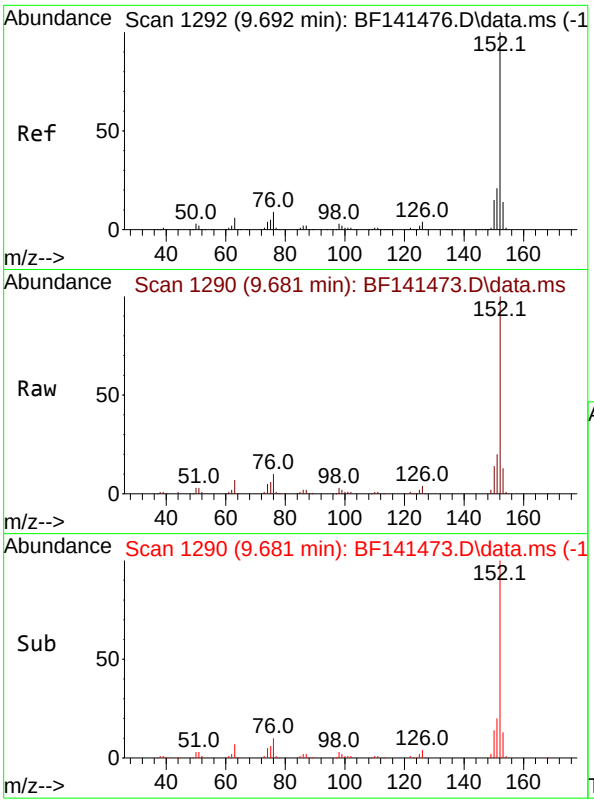


#48
2-Nitroaniline
Concen: 4.818 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 65 Resp: 18494

Ion	Ratio	Lower	Upper
65	100		
92	62.2	52.2	78.2
138	99.0	79.5	119.3



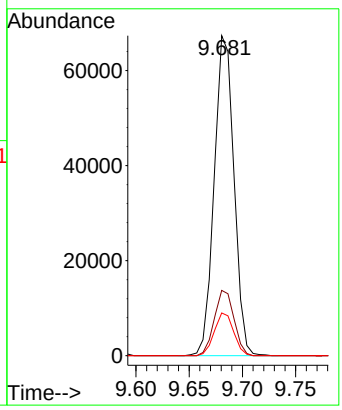


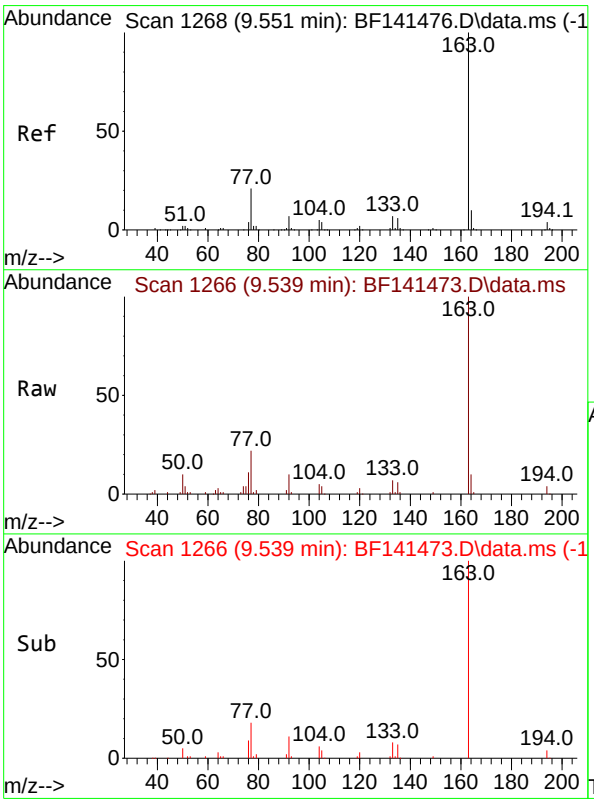
#49
Acenaphthylene
Concen: 5.097 ng
RT: 9.681 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 86721

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	13.4	10.9	16.3

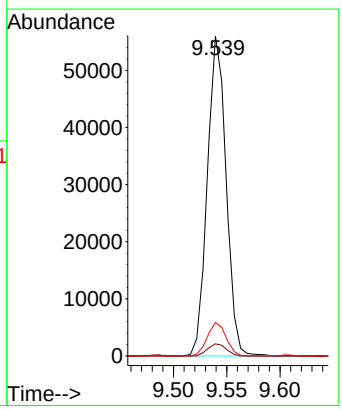


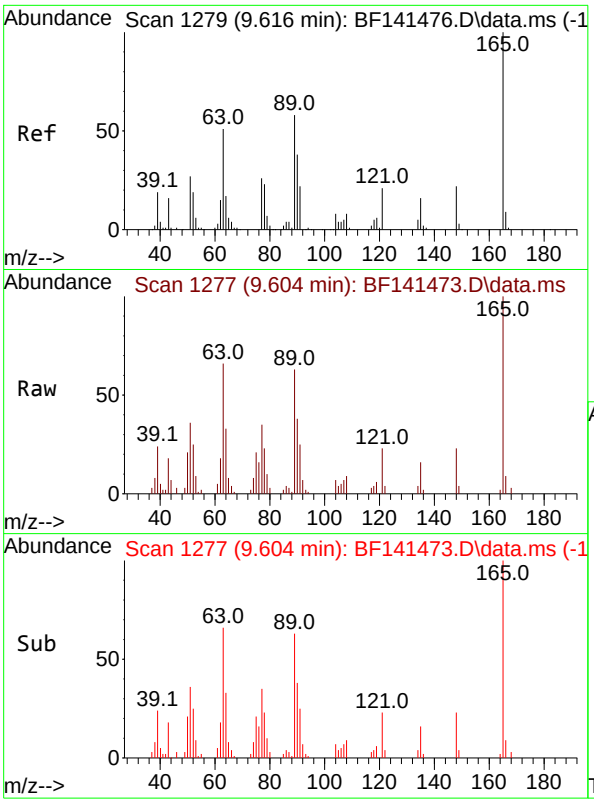


#50
Dimethylphthalate
Concen: 5.088 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:163 Resp: 68921

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.5	7.9	11.9



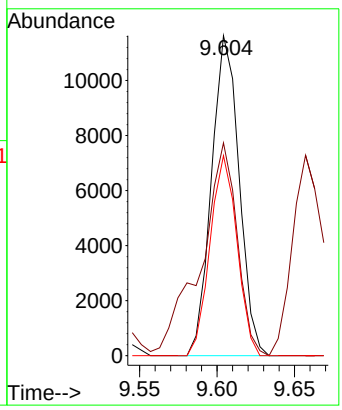


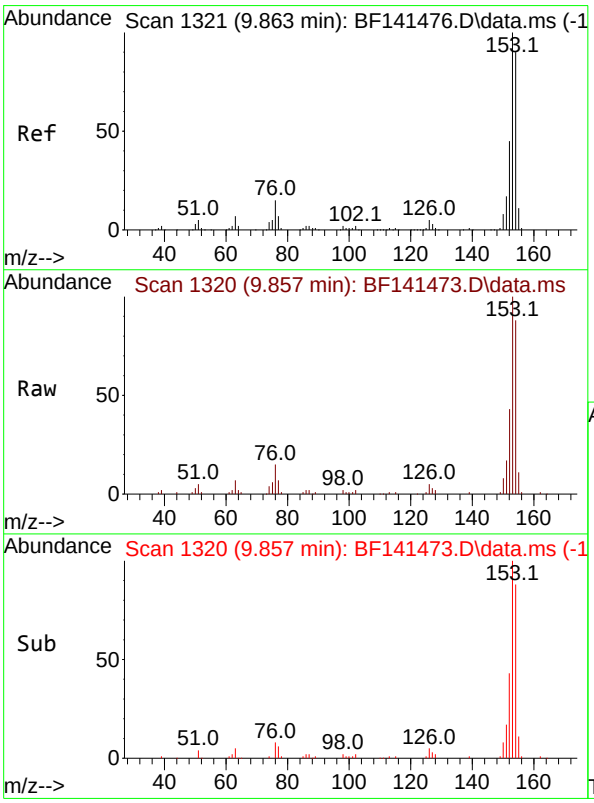
#51
2,6-Dinitrotoluene
Concen: 4.861 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 14394

Ion	Ratio	Lower	Upper
165	100		
63	66.5	49.4	74.0
89	62.5	46.5	69.7

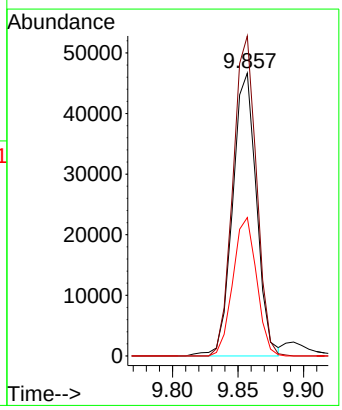


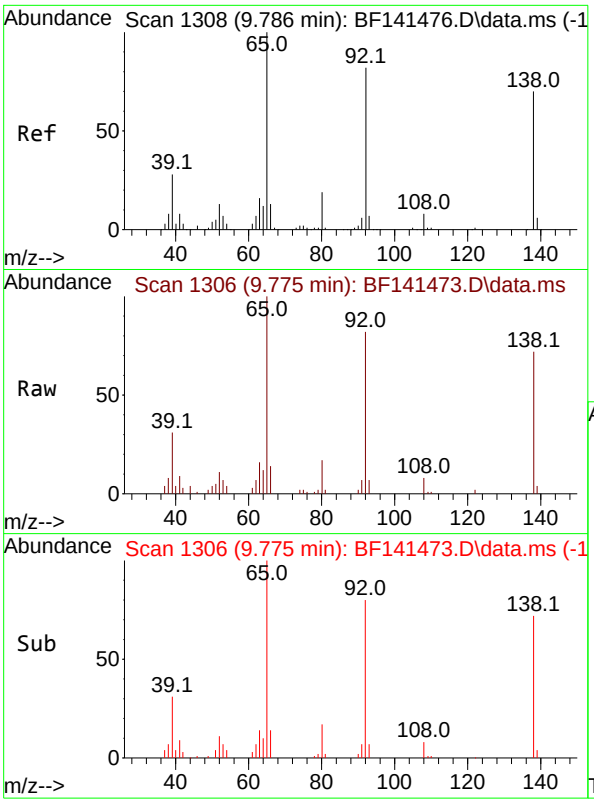


#52
Acenaphthene
Concen: 5.171 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:154 Resp: 59139

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.2	133.8
152	48.9	39.8	59.8



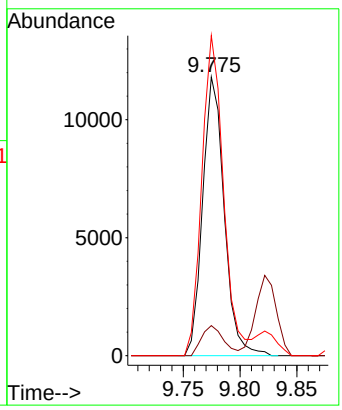


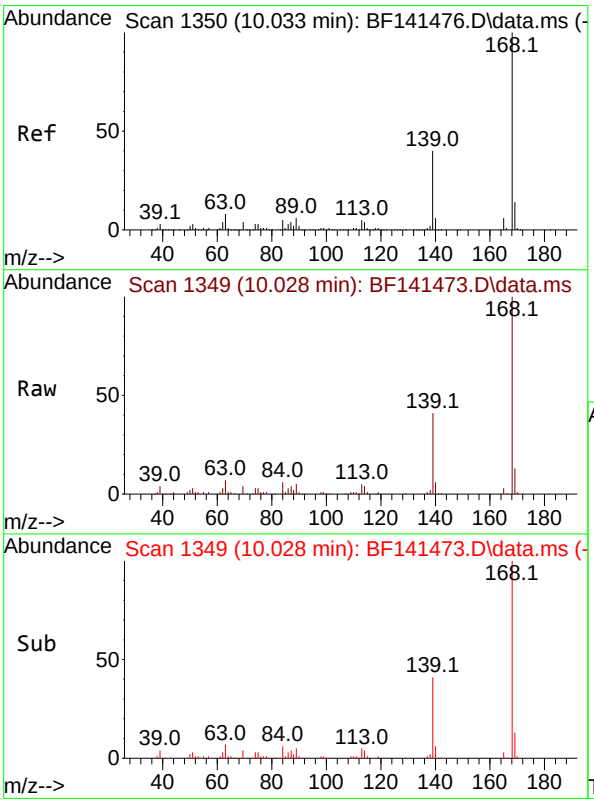
#53
3-Nitroaniline
Concen: 4.884 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 15563

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	114.8	93.7	140.5

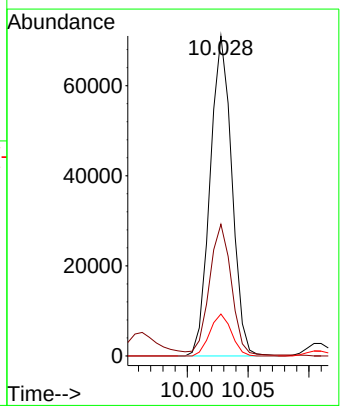


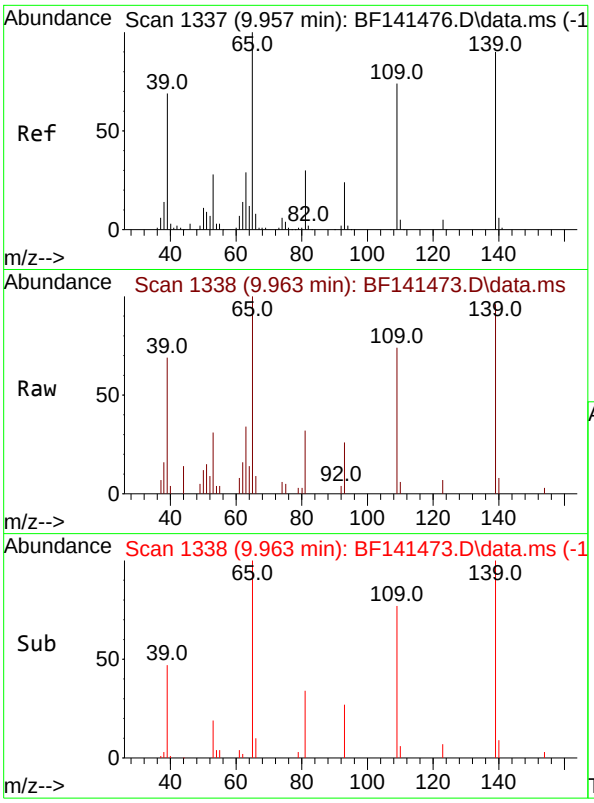


#55
Dibenzofuran
Concen: 5.252 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:168 Resp: 88178

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.7	49.1
169	13.1	10.8	16.2



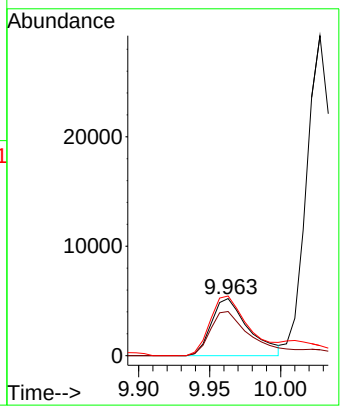


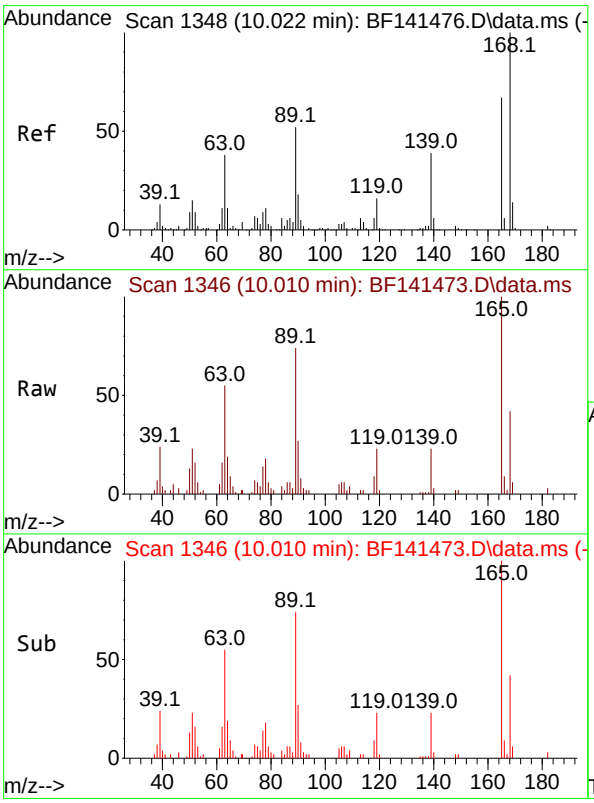
#56
4-Nitrophenol
Concen: 4.008 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 9482

Ion	Ratio	Lower	Upper
139	100		
109	77.2	62.0	102.0
65	104.4	91.2	131.2

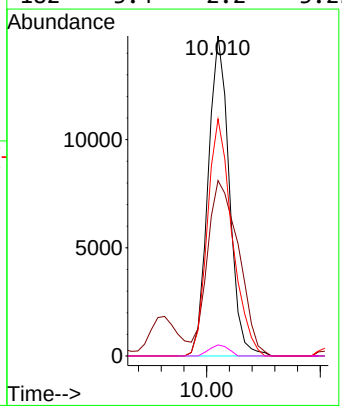


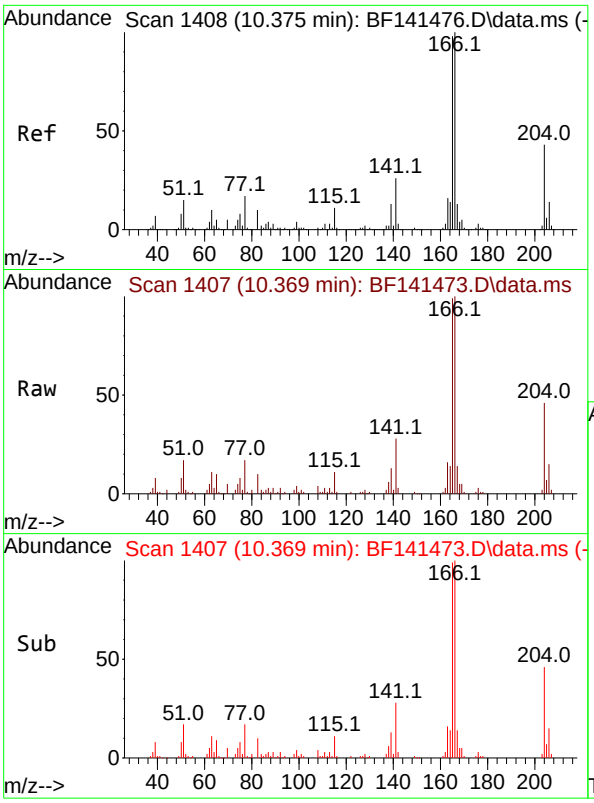


#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:165 Resp: 19087

Ion	Ratio	Lower	Upper
165	100		
63	54.8	46.4	69.6
89	74.0	61.8	92.6
182	3.4	2.2	3.2#



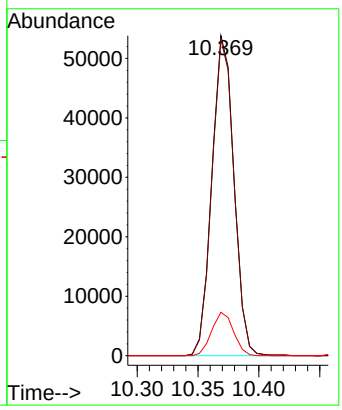


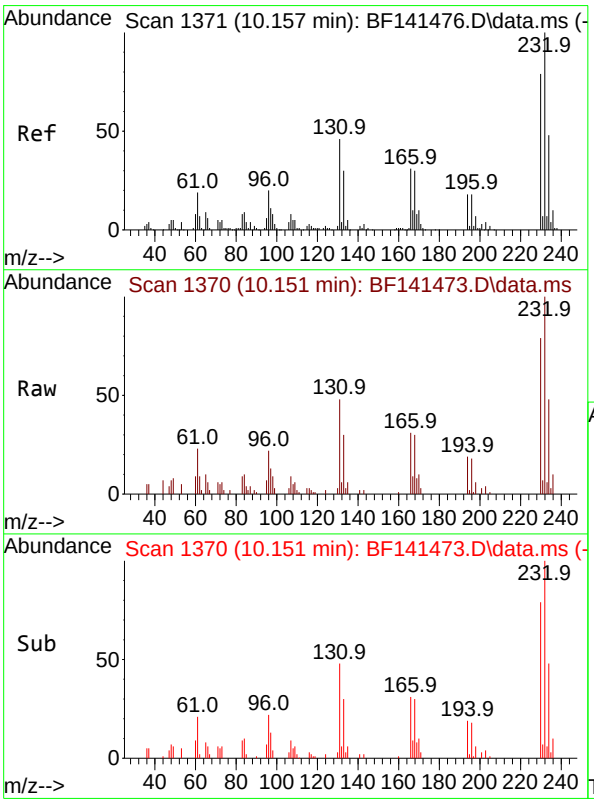
#58
Fluorene
Concen: 5.220 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 67764

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.2	117.2
167	13.5	10.7	16.1

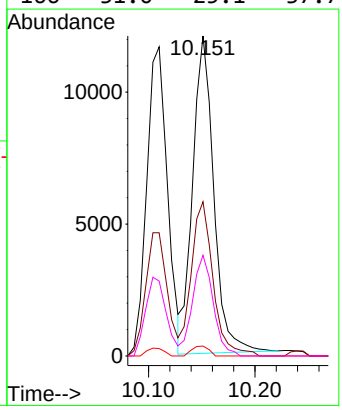


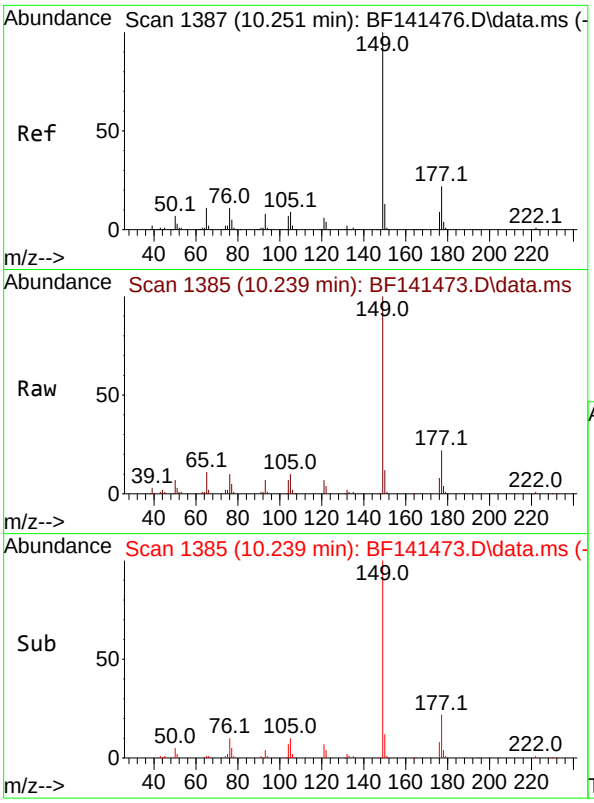


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.760 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:232 Resp: 16570

Ion	Ratio	Lower	Upper
232	100		
131	50.2	39.2	58.8
130	2.5	2.1	3.1
166	31.0	25.1	37.7



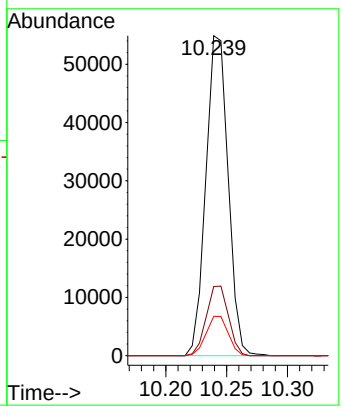


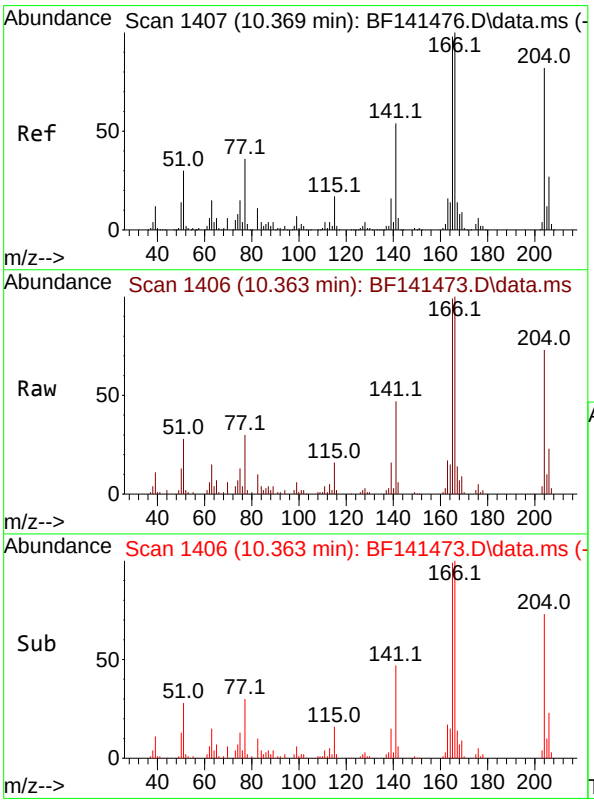
#60
Diethylphthalate
Concen: 5.241 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 69845

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.8	26.6
150	12.3	10.1	15.1

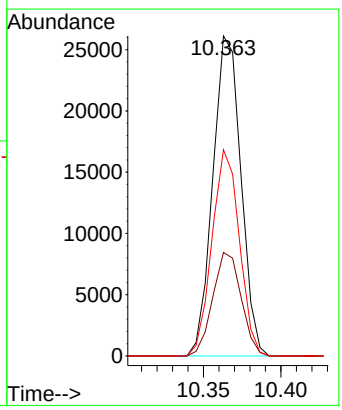


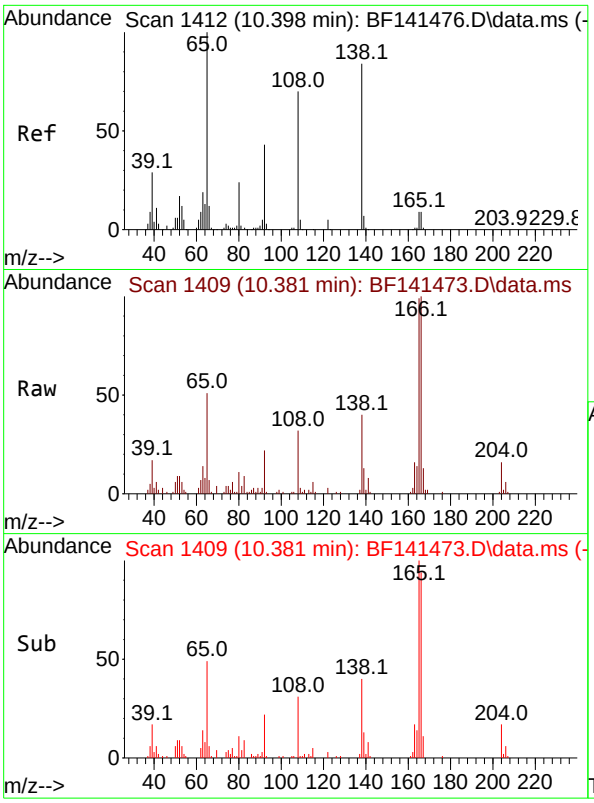


#61
4-Chlorophenyl-phenylether
Concen: 5.277 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:204 Resp: 32951

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.6	40.0
141	64.4	51.9	77.9



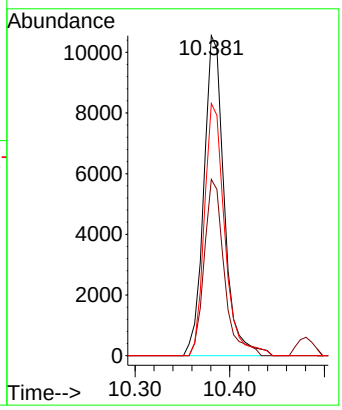


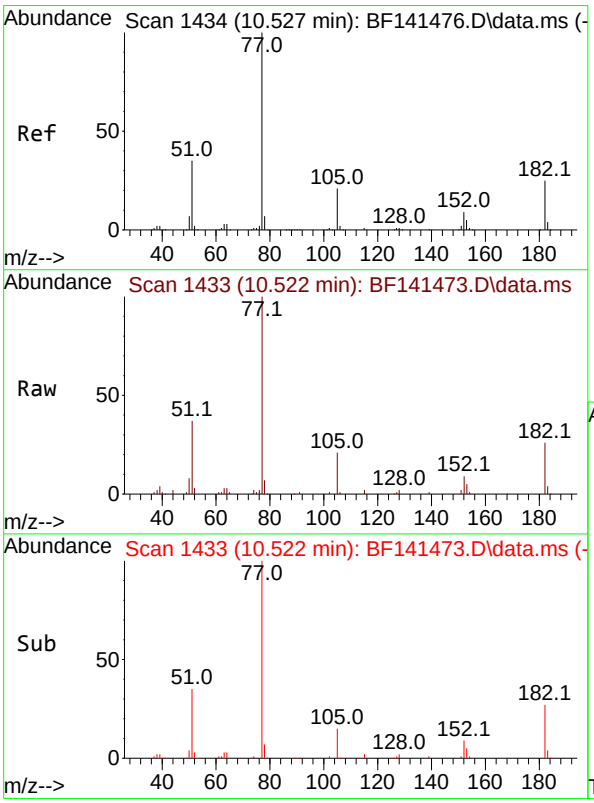
#62
4-Nitroaniline
Concen: 4.855 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 15711

Ion	Ratio	Lower	Upper
138	100		
92	55.1	31.3	71.3
108	78.8	63.7	103.7

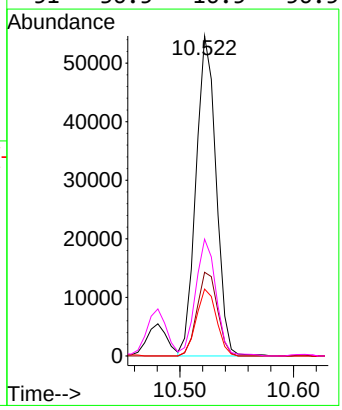


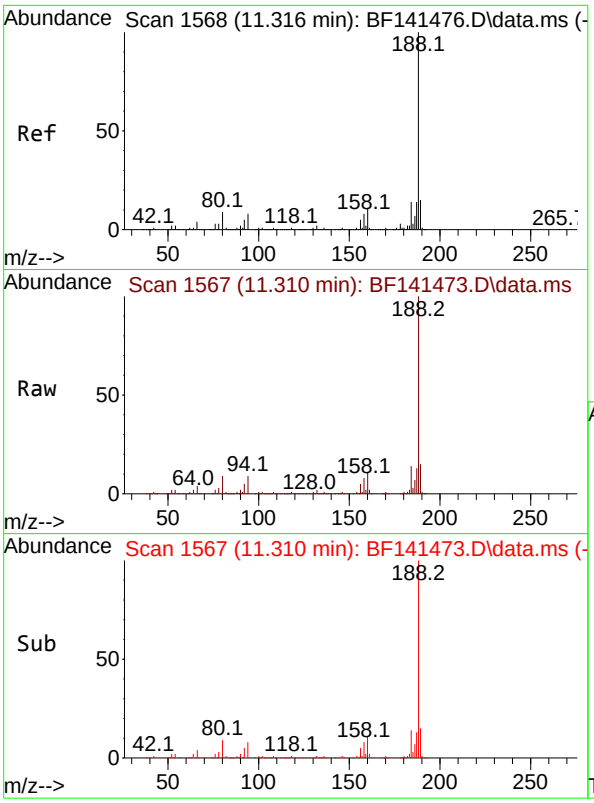


#63
Azobenzene
Concen: 5.077 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 77 Resp: 67256

Ion	Ratio	Lower	Upper
77	100		
182	26.2	4.7	44.7
105	20.9	0.4	40.4
51	36.5	16.5	56.5



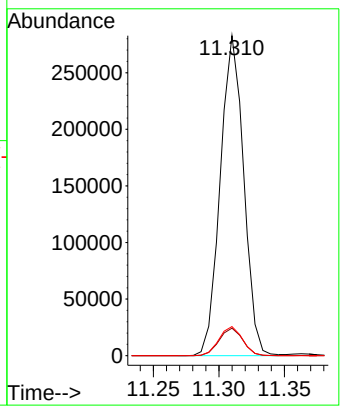


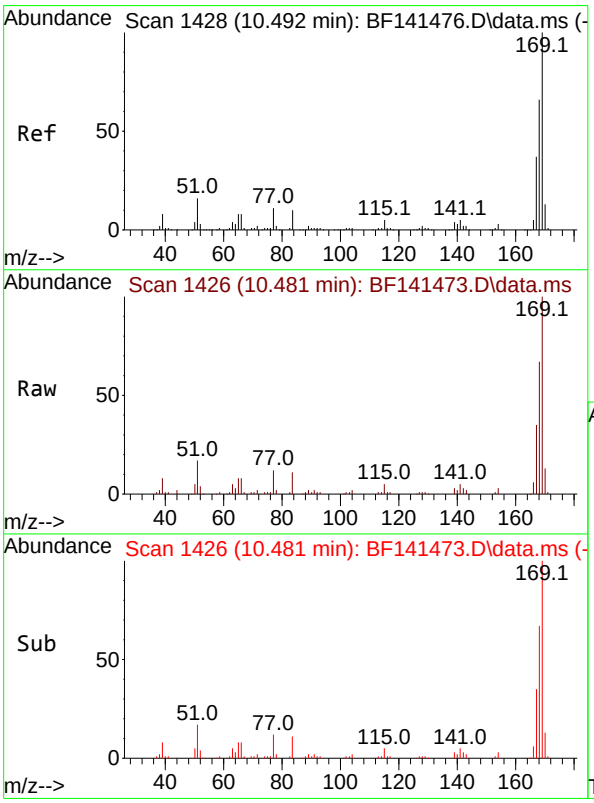
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 351213

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.1	7.3	10.9

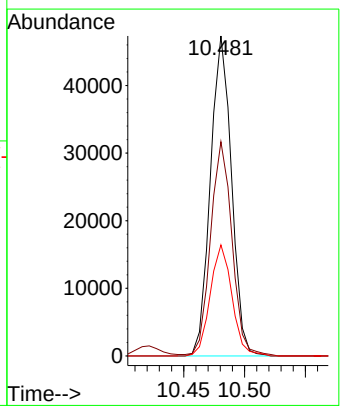


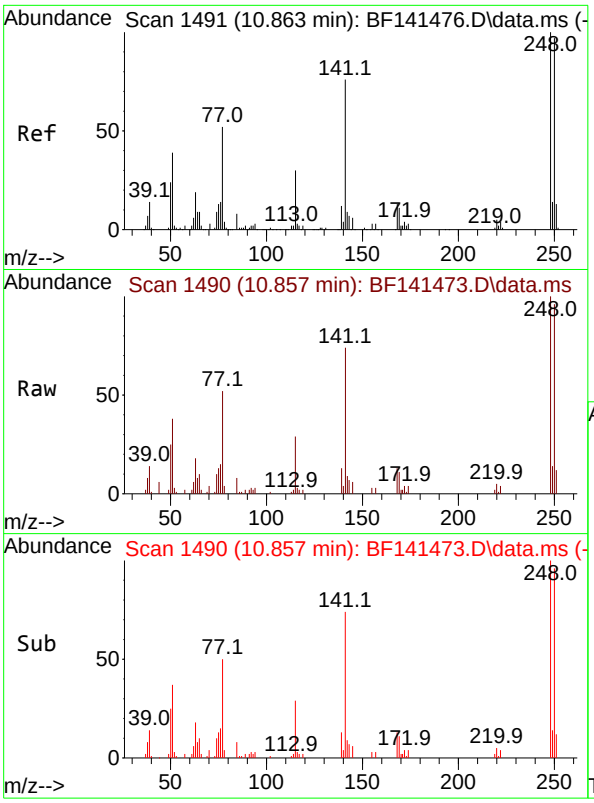


#66
n-Nitrosodiphenylamine
Concen: 5.076 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:169 Resp: 57063

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.3	79.9
167	34.7	29.4	44.2



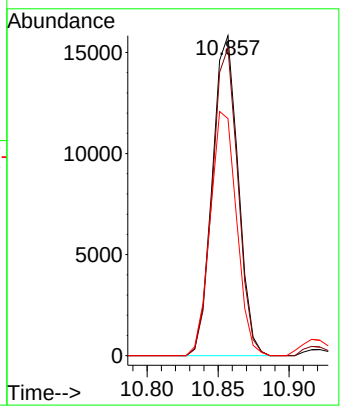


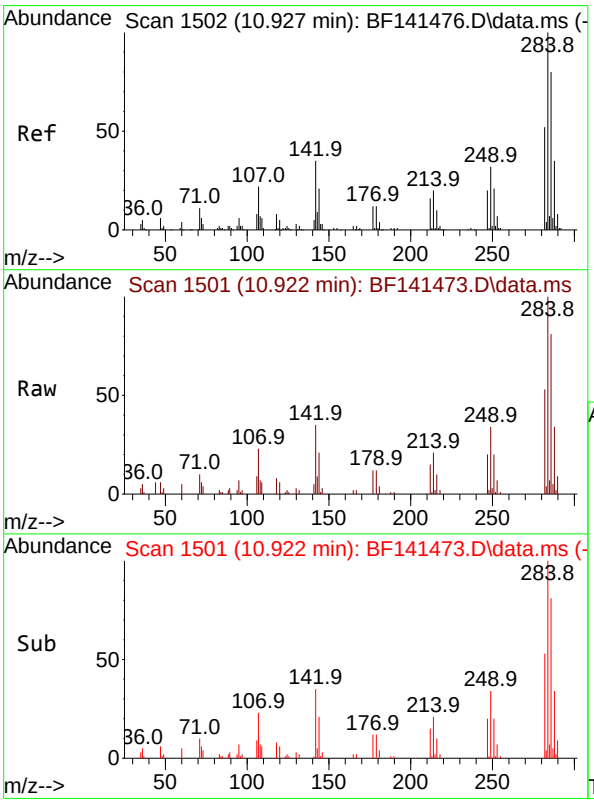
#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 20012

Ion	Ratio	Lower	Upper
248	100		
250	96.2	77.8	116.6
141	74.1	60.6	90.8

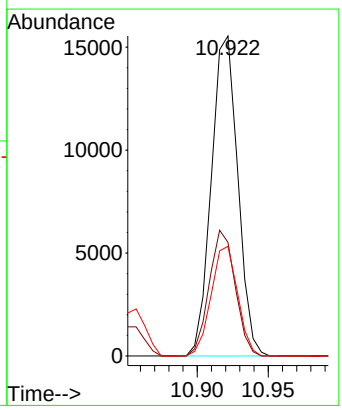


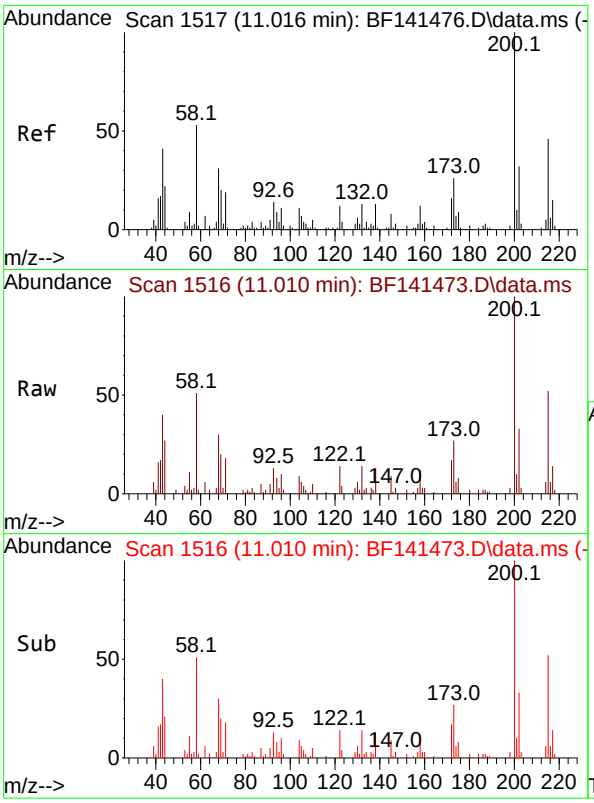


#68
Hexachlorobenzene
Concen: 4.982 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:284 Resp: 20138

Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.0	42.0
249	34.3	25.8	38.8



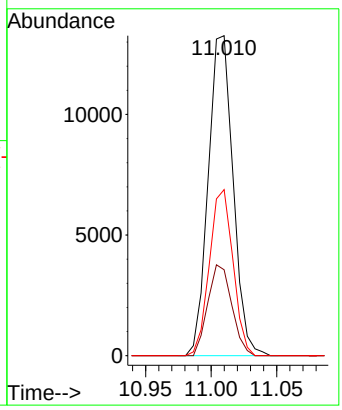


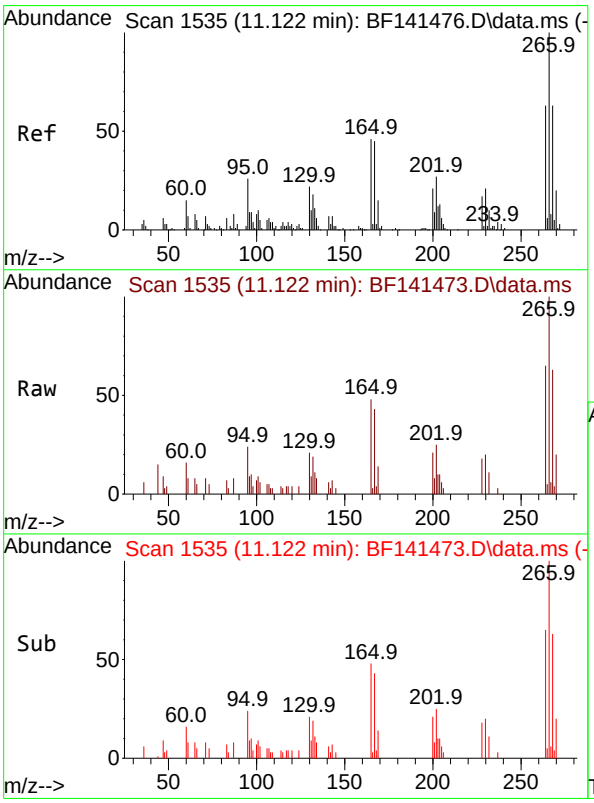
#69
Atrazine
Concen: 5.194 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 17519

Ion	Ratio	Lower	Upper
200	100		
173	26.9	5.9	45.9
215	51.9	25.9	65.9

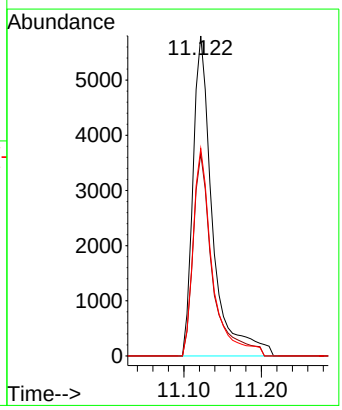


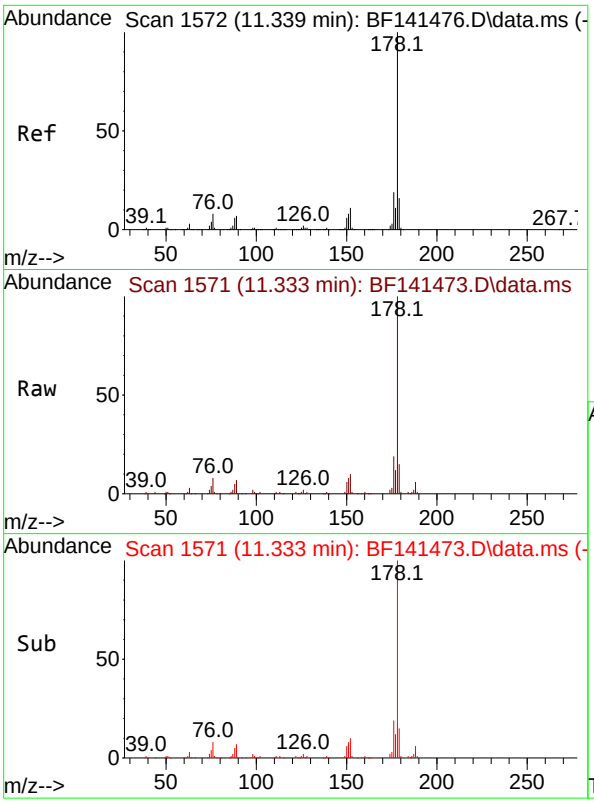


#70
Pentachlorophenol
Concen: 3.928 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:266 Resp: 10151

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.1	75.1
264	64.8	50.1	75.1



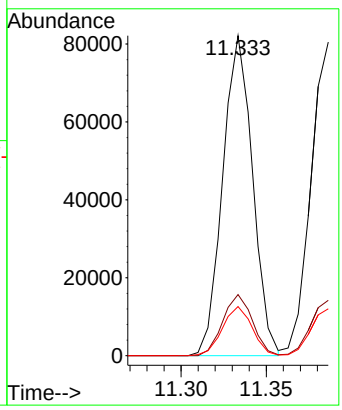


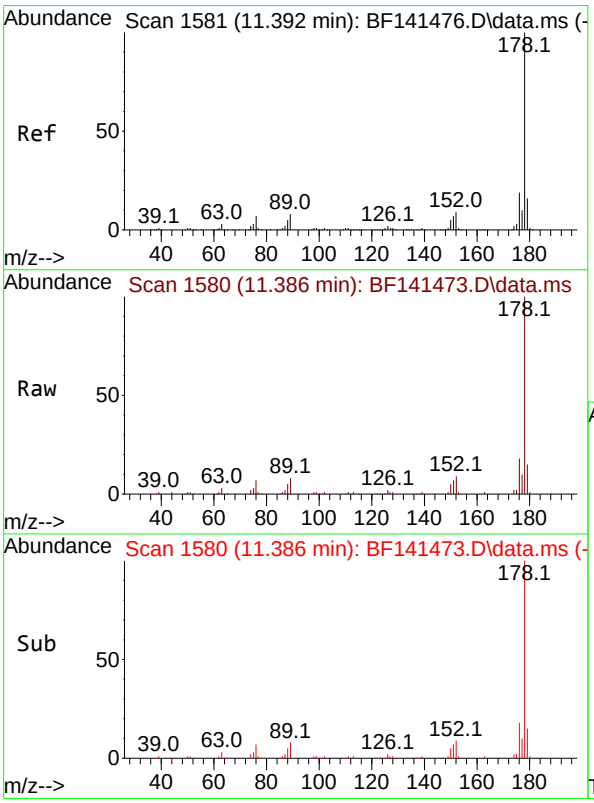
#71
Phenanthrene
Concen: 5.183 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 100202

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6

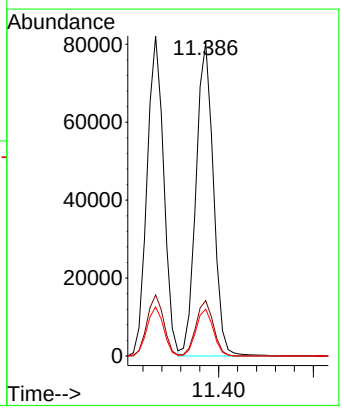


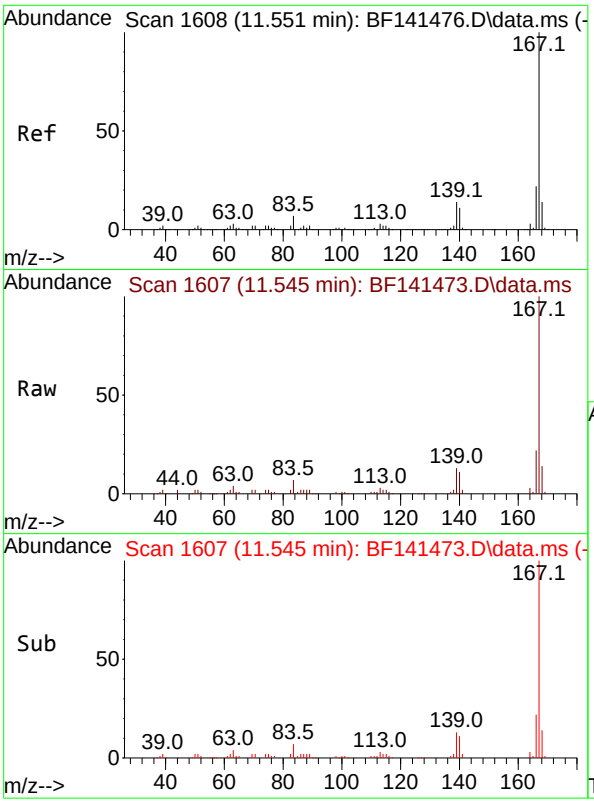


#72
Anthracene
Concen: 5.279 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:178 Resp: 102596

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	15.0	12.4	18.6



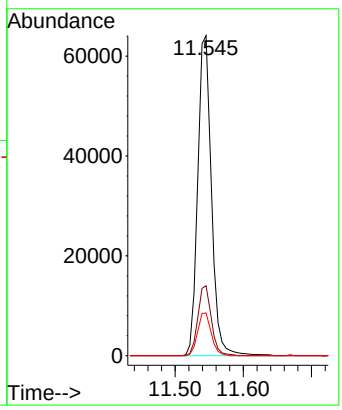


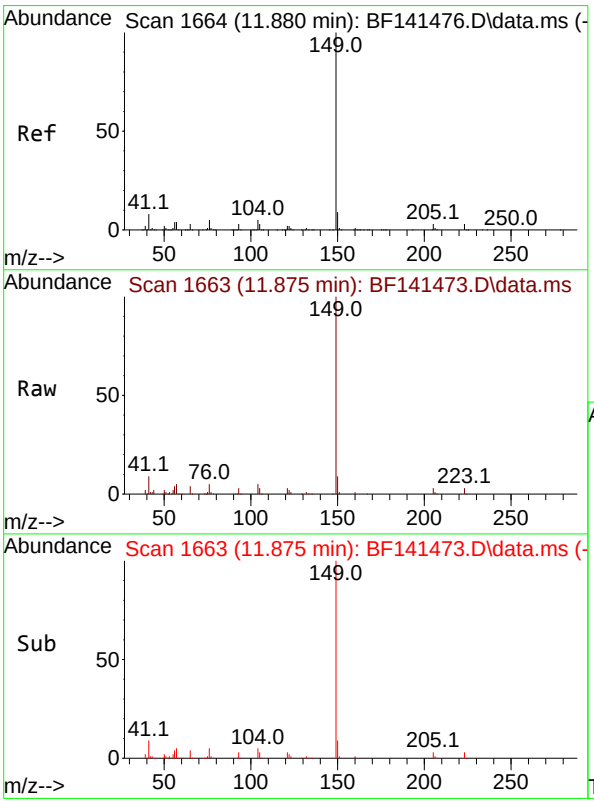
#73
Carbazole
Concen: 5.131 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 89721

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.2
139	13.4	10.9	16.3

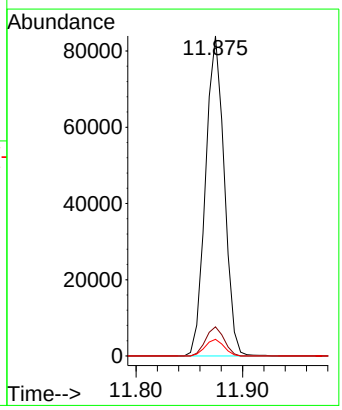


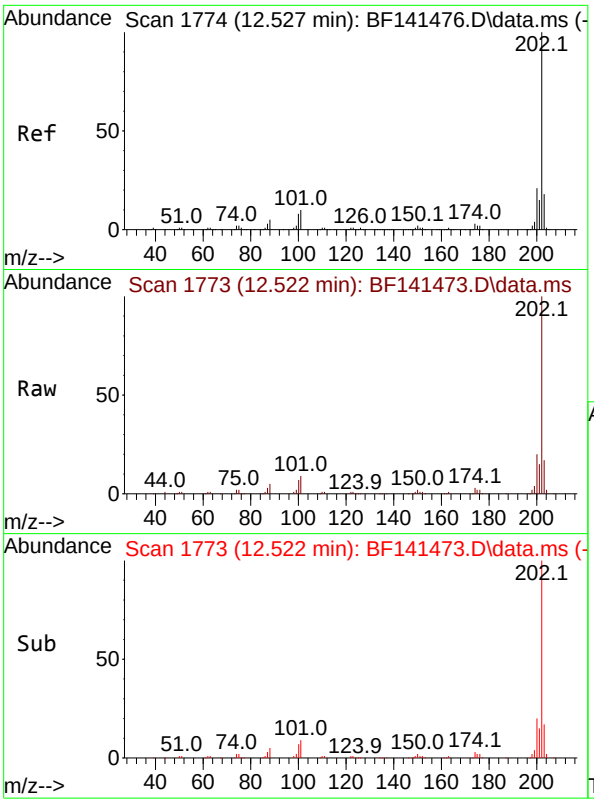


#74
Di-n-butylphthalate
Concen: 5.066 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 102296

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2



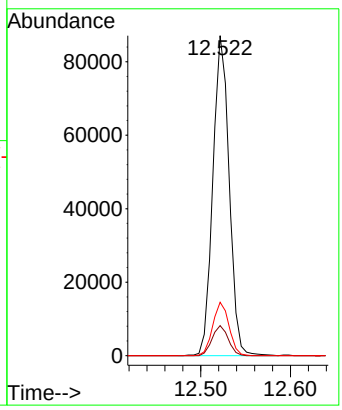


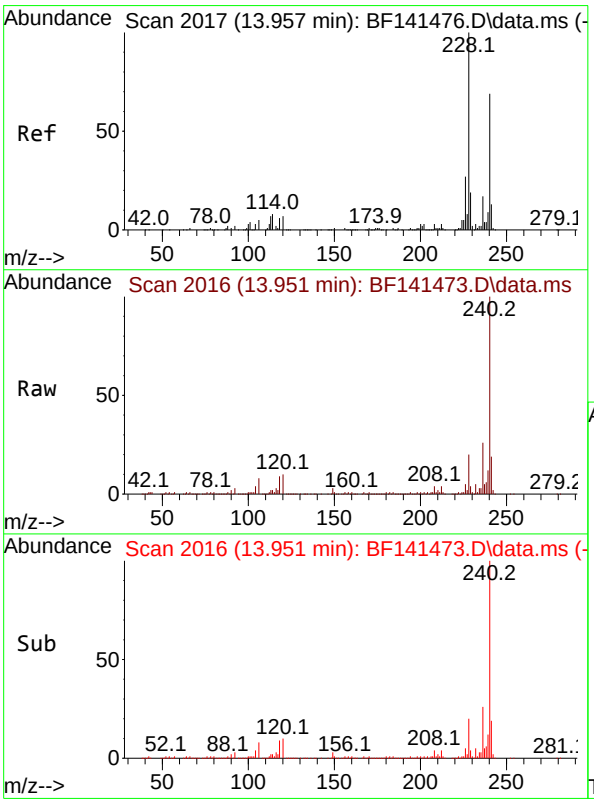
#75
Fluoranthene
Concen: 5.361 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 109883

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	16.7	0.0	37.6

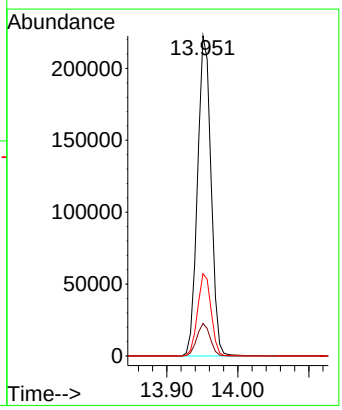


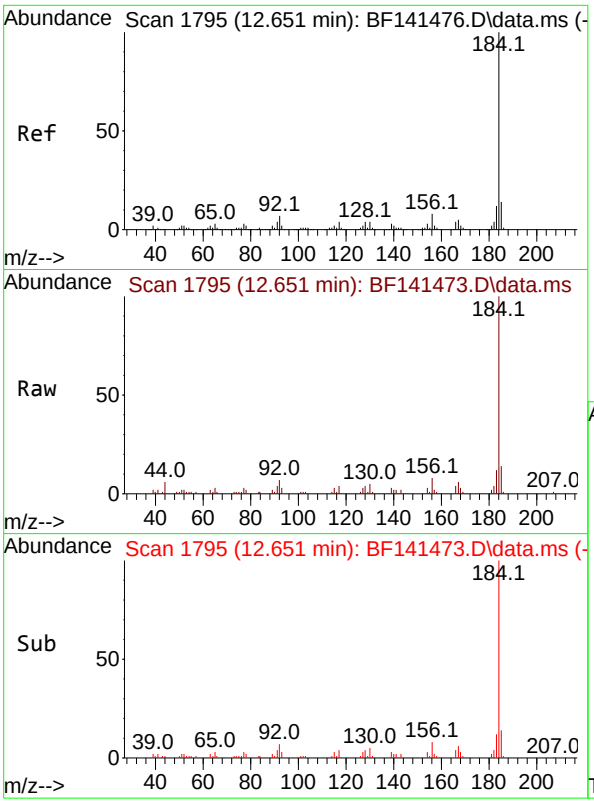


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:240 Resp: 295087

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.0	12.0
236	25.7	19.8	29.8



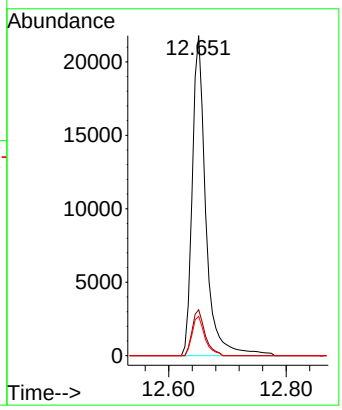


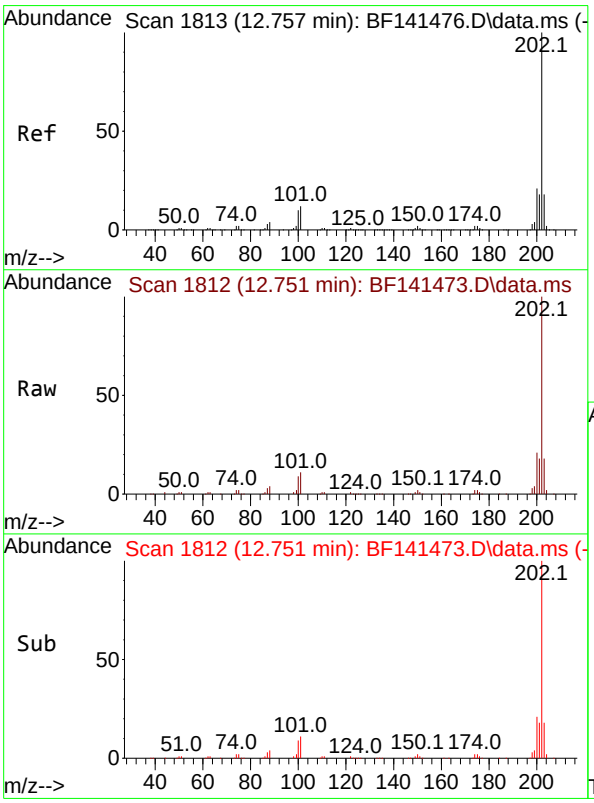
#77
Benzidine
Concen: 5.370 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 34946

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.3	16.9
183	12.3	9.3	13.9

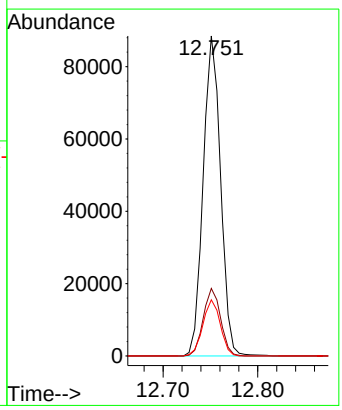


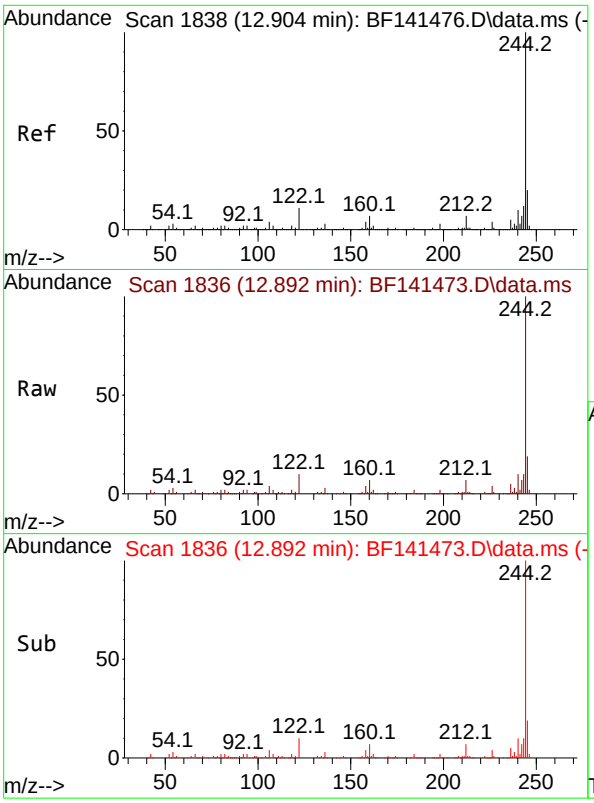


#78
Pyrene
Concen: 4.486 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:202 Resp: 112700

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.6	14.3	21.5



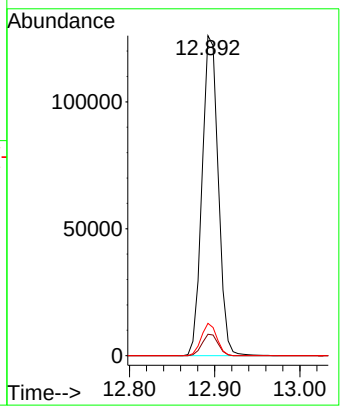


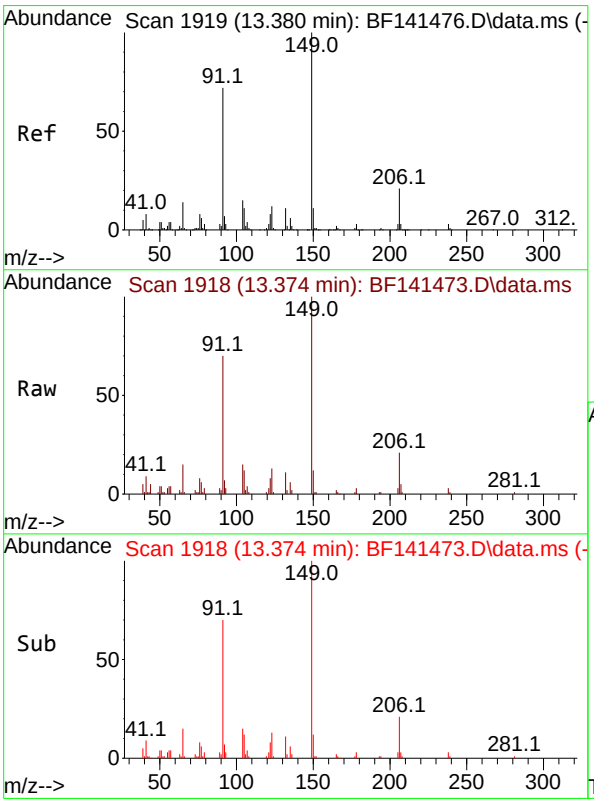
#79
Terphenyl-d14
Concen: 9.531 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 166601

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.1	8.4	12.6

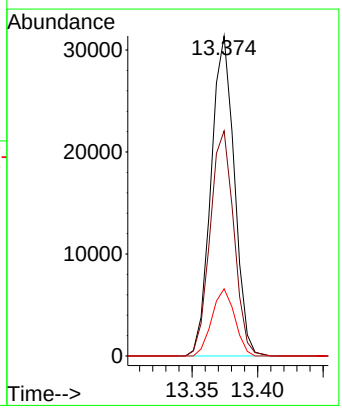


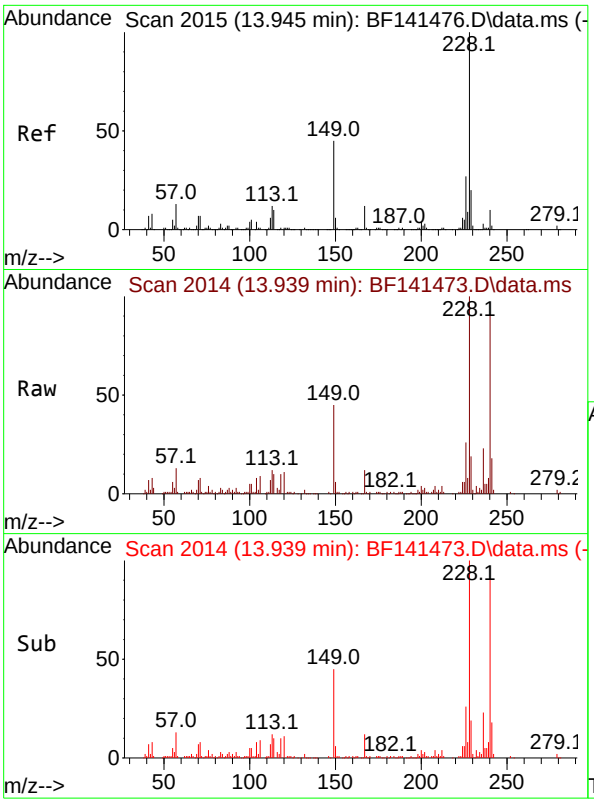


#80
Butylbenzylphthalate
Concen: 4.449 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 38714

Ion	Ratio	Lower	Upper
149	100		
91	70.4	57.8	86.8
206	21.0	16.7	25.1



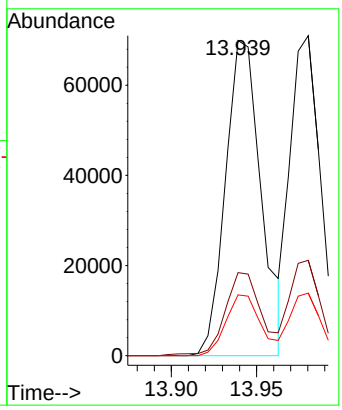


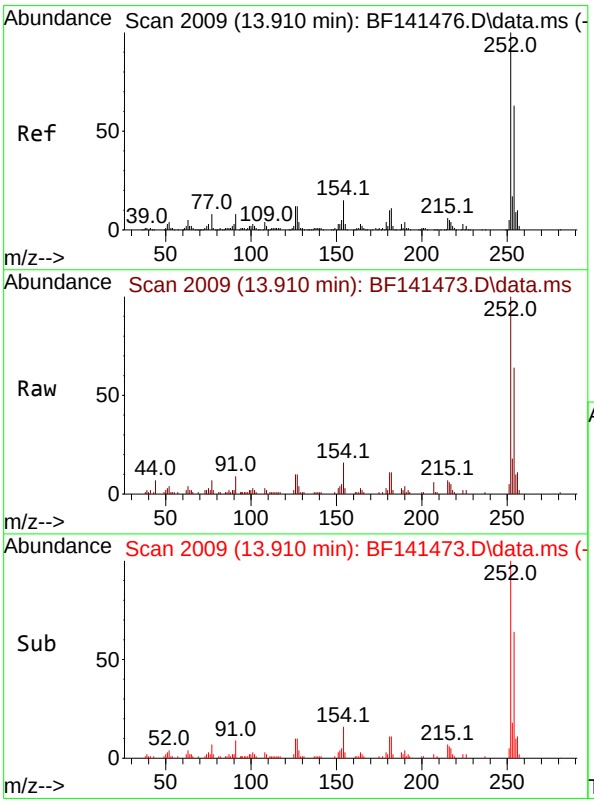
#81
Benzo(a)anthracene
Concen: 5.193 ng
RT: 13.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 101861

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.8	32.8
229	19.3	15.8	23.6

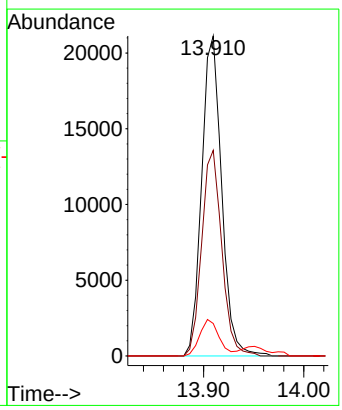


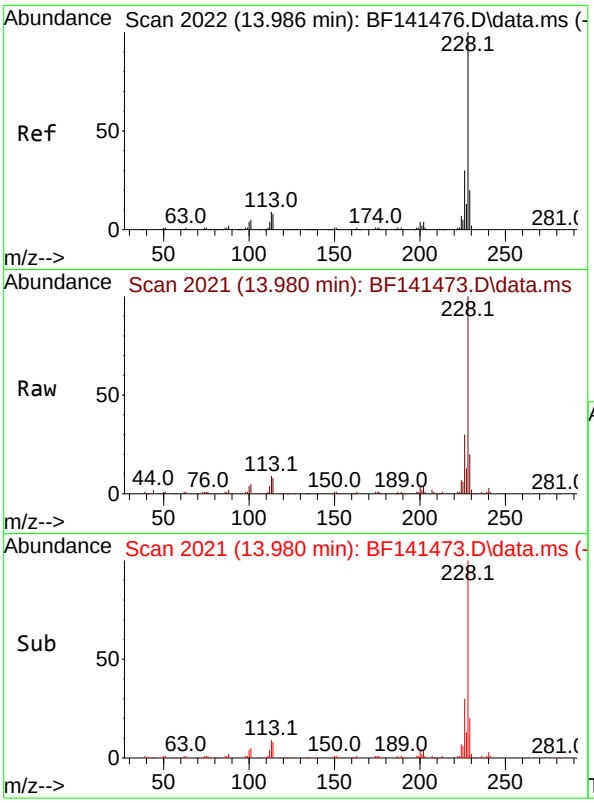


#82
3,3'-Dichlorobenzidine
Concen: 5.216 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 29306

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.6	76.0
126	10.2	9.3	13.9



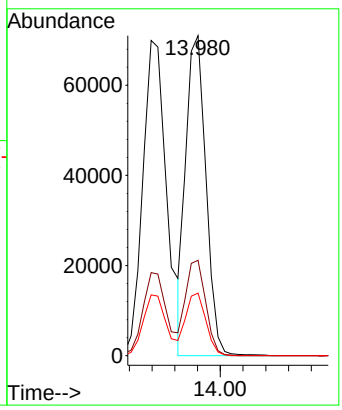


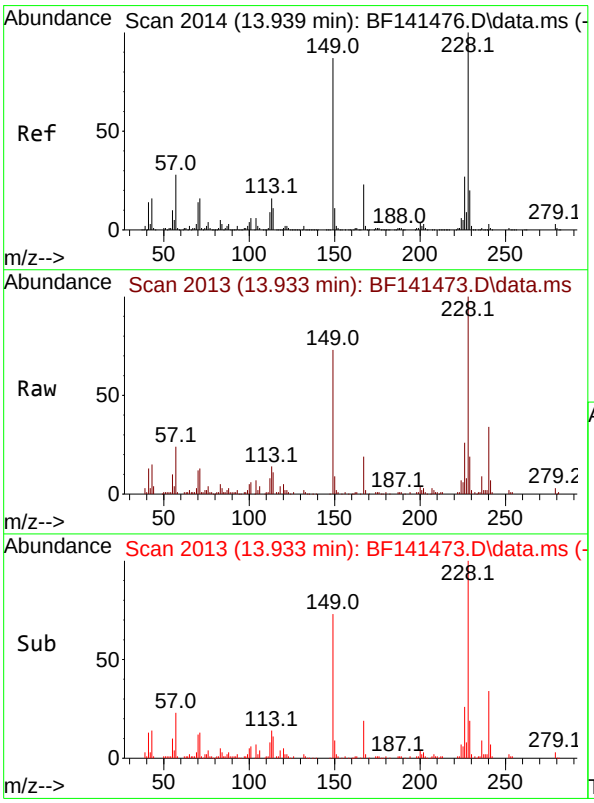
#83
Chrysene
Concen: 4.834 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 87555

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.5	15.7	23.5

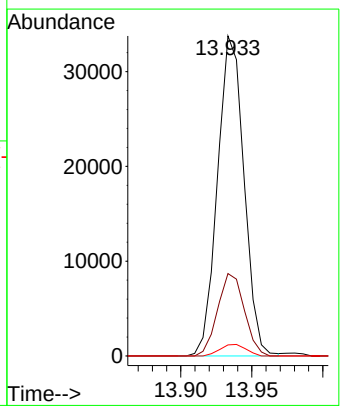


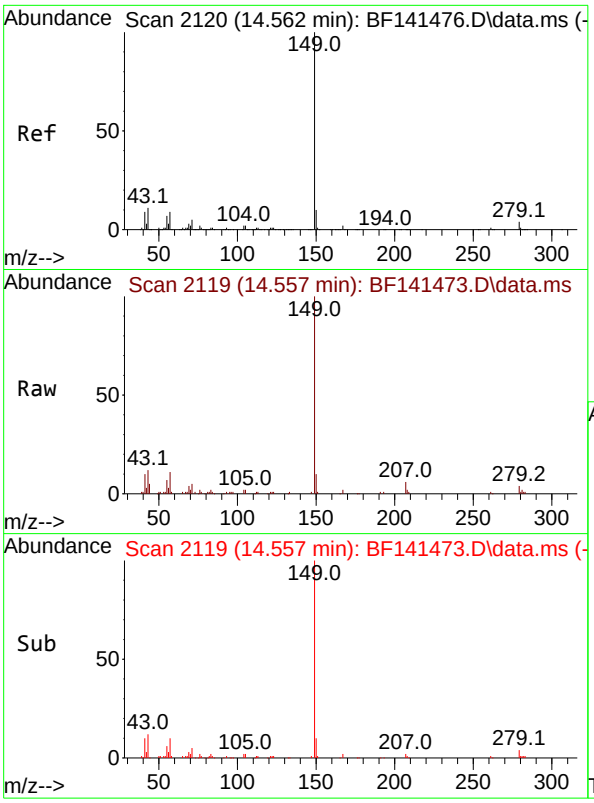


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.457 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 43735

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.4	32.0
279	3.4	3.1	4.7



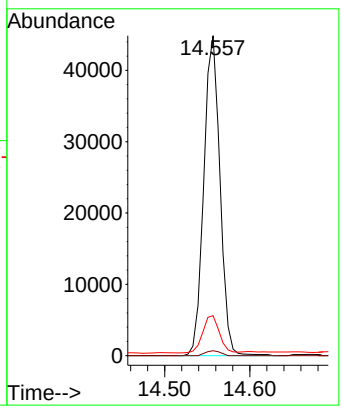


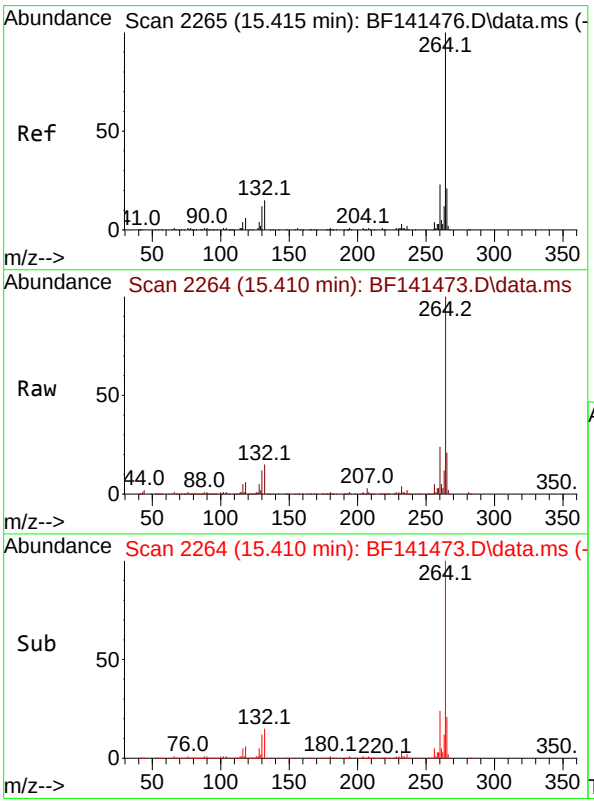
#85
Di-n-octyl phthalate
Concen: 4.229 ng
RT: 14.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 59200

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	12.0	9.5	14.3

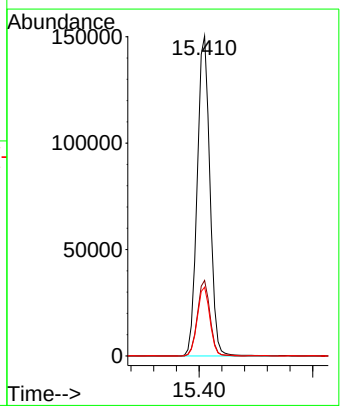


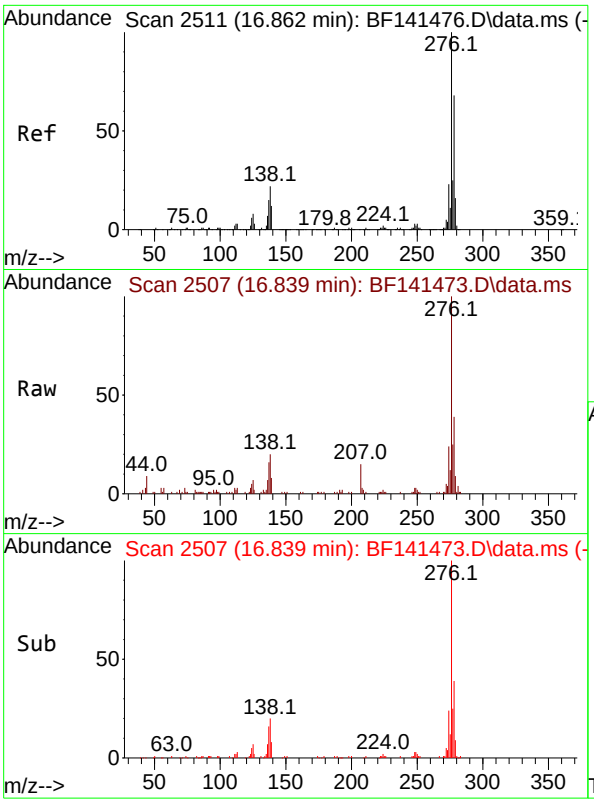


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:264 Resp: 233325

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.5	17.0	25.4



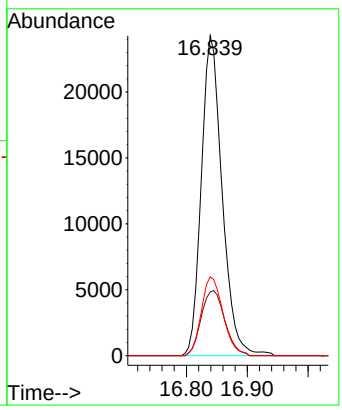


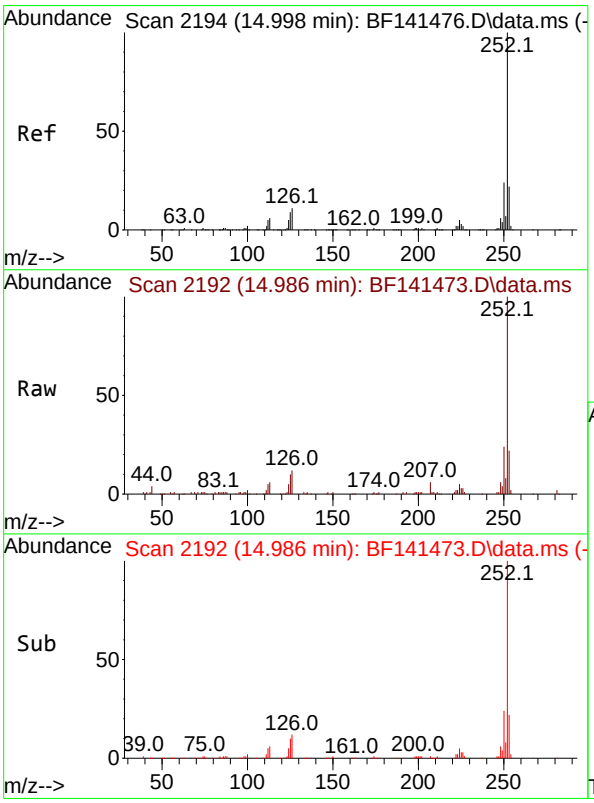
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.993 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 57572

Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.0	27.0
277	25.6	20.4	30.6

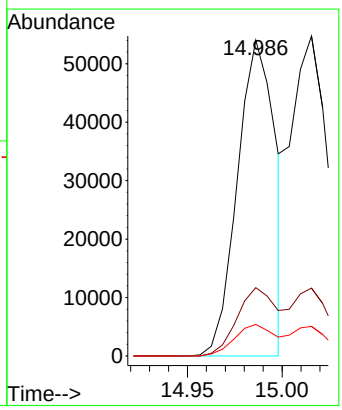


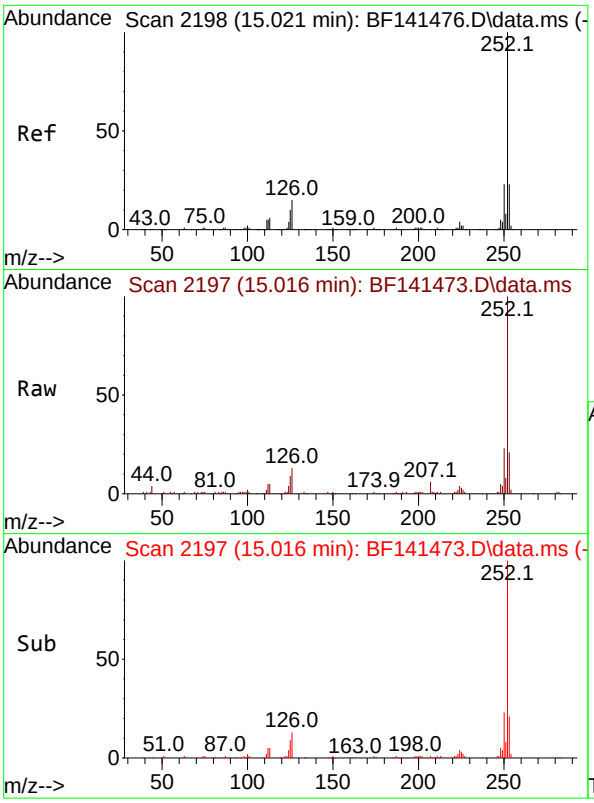


#88
Benzo(b)fluoranthene
Concen: 4.789 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 75033

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.0	7.0	10.6



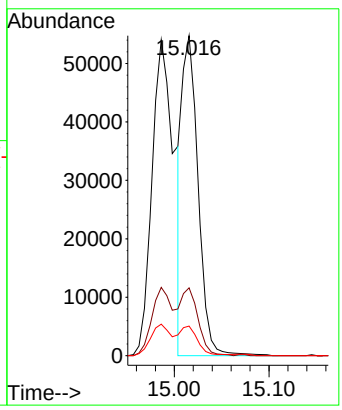


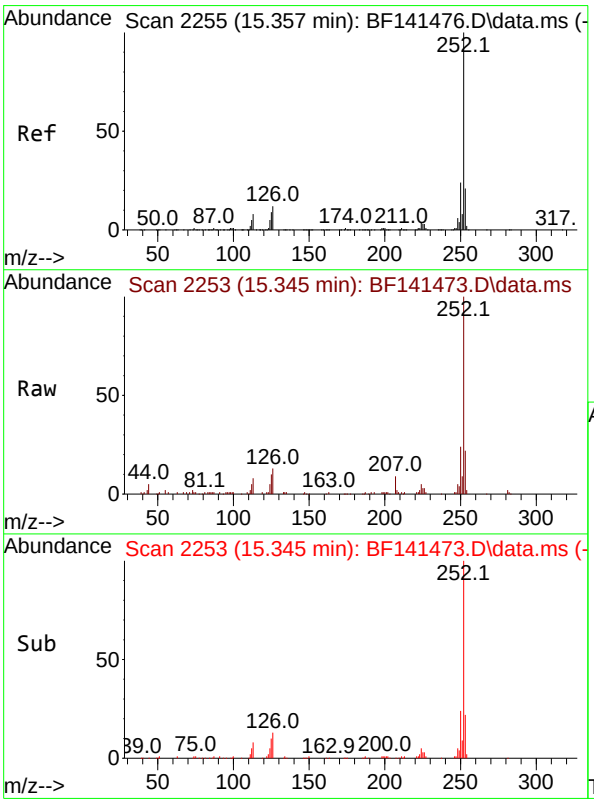
#89
Benzo(k)fluoranthene
Concen: 4.853 ng
RT: 15.016 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 64919

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	9.2	7.4	11.0

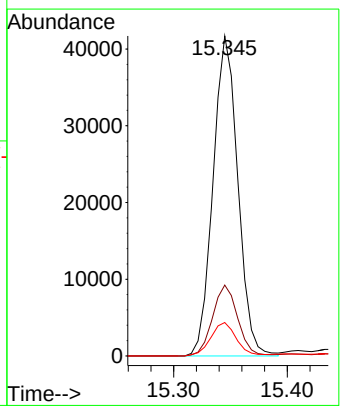


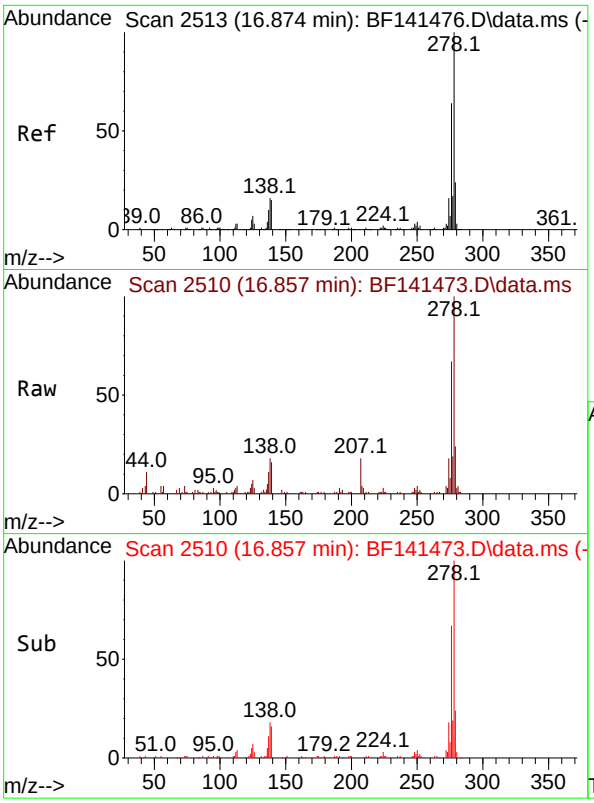


#90
Benzo(a)pyrene
Concen: 4.993 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 63295

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	10.4	7.4	11.2



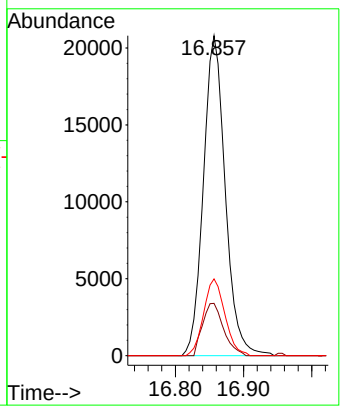


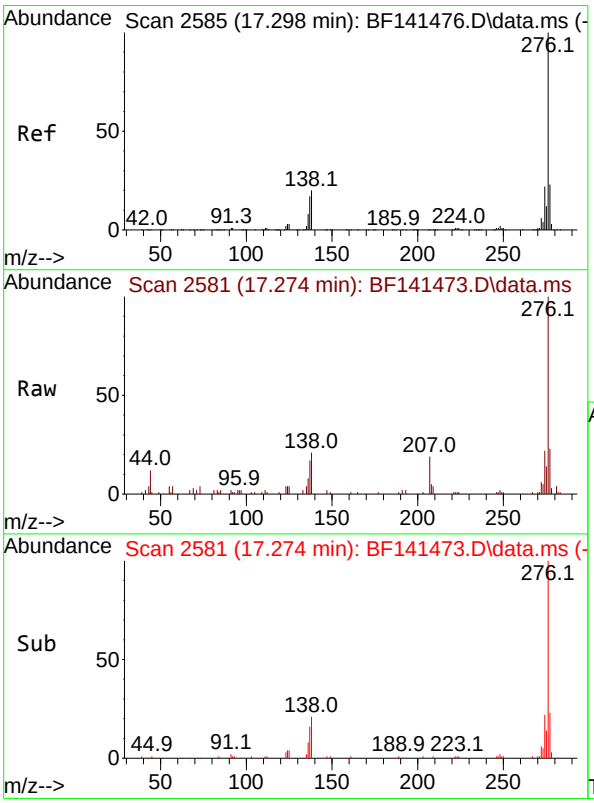
#91
Dibenzo(a,h)anthracene
Concen: 3.974 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 46421

Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.8	17.6
279	24.0	19.1	28.7

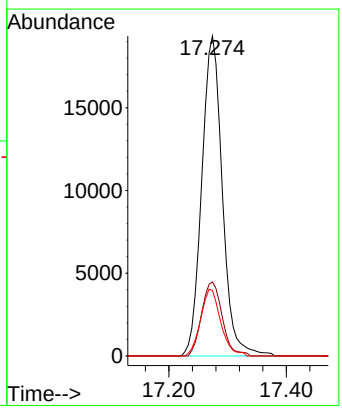




#92
Benzo(g,h,i)perylene
Concen: 3.841 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:276 Resp: 46952

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	20.5	15.9	23.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	88879	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	361197	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	200046	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	347312	20.000	ng		0.00
76) Chrysene-d12	13.957	240	284792	20.000	ng		0.00
86) Perylene-d12	15.416	264	215900	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	114669	20.227	ng		0.00
7) Phenol-d6	6.422	99	144805	20.209	ng		-0.02
23) Nitrobenzene-d5	7.345	82	136996	19.783	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	40073	19.941	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	271988	20.947	ng		0.00
79) Terphenyl-d14	12.898	244	314541	18.645	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.481	88	23063	10.108	ng		95
3) Pyridine	3.216	79	53532	9.859	ng		99
4) n-Nitrosodimethylamine	3.146	42	34386	9.564	ng	#	97
6) Aniline	6.446	93	68661	10.215	ng		92
8) 2-Chlorophenol	6.575	128	62679	10.232	ng		99
9) Benzaldehyde	6.334	77	44111	11.585	ng		99
10) Phenol	6.440	94	74689	10.015	ng		96
11) bis(2-Chloroethyl)ether	6.522	93	54627	9.752	ng		98
12) 1,3-Dichlorobenzene	6.728	146	65850	10.182	ng		98
13) 1,4-Dichlorobenzene	6.804	146	68330	10.341	ng		97
14) 1,2-Dichlorobenzene	6.957	146	63948	10.428	ng		99
15) Benzyl Alcohol	6.928	79	55580	10.115	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	99782	10.406	ng		98
17) 2-Methylphenol	7.045	107	48375	10.092	ng		97
18) Hexachloroethane	7.298	117	24233	9.910	ng		98
19) n-Nitroso-di-n-propyla...	7.192	70	43762	10.210	ng		97
20) 3+4-Methylphenols	7.198	107	62949	10.332	ng		96
22) Acetophenone	7.192	105	90614	10.085	ng	#	97
24) Nitrobenzene	7.363	77	67032	9.927	ng		96
25) Isophorone	7.604	82	107242	9.712	ng		99
26) 2-Nitrophenol	7.687	139	31590	9.403	ng		97
27) 2,4-Dimethylphenol	7.728	122	38303	9.759	ng		98
28) bis(2-Chloroethoxy)met...	7.816	93	70458	9.958	ng		97
29) 2,4-Dichlorophenol	7.934	162	51883	9.784	ng		99
30) 1,2,4-Trichlorobenzene	8.010	180	57937	10.033	ng		97
31) Naphthalene	8.092	128	188046	10.002	ng		99
32) Benzoic acid	7.810	122	33645	8.253	ng		98
33) 4-Chloroaniline	8.145	127	63529	9.678	ng		98
34) Hexachlorobutadiene	8.210	225	34431	9.932	ng		98
35) Caprolactam	8.481	113	15331	9.495	ng		98
36) 4-Chloro-3-methylphenol	8.628	107	58441	9.949	ng		99
37) 2-Methylnaphthalene	8.781	142	124517	10.177	ng		99
38) 1-Methylnaphthalene	8.881	142	118722	10.019	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	58800	10.160	ng		98
41) Hexachlorocyclopentadiene	8.934	237	13785	7.161	ng		91
43) 2,4,6-Trichlorophenol	9.063	196	36558	9.773	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	40697	10.039	ng		97
46) 1,1'-Biphenyl	9.245	154	156431	10.086	ng		99
47) 2-Chloronaphthalene	9.269	162	116119	10.125	ng		99
48) 2-Nitroaniline	9.369	65	37155	9.653	ng		96
49) Acenaphthylene	9.686	152	173644	10.179	ng		99
50) Dimethylphthalate	9.545	163	135886	10.006	ng		100
51) 2,6-Dinitrotoluene	9.604	165	29006	9.770	ng		96
52) Acenaphthene	9.857	154	116461m	10.155	ng		
53) 3-Nitroaniline	9.775	138	31330	9.805	ng		100
54) 2,4-Dinitrophenol	9.886	184	13341	7.561	ng		98
55) Dibenzofuran	10.028	168	172206	10.230	ng		98
56) 4-Nitrophenol	9.957	139	21569	9.093	ng		96
57) 2,4-Dinitrotoluene	10.010	165	40306	10.198	ng		93
58) Fluorene	10.369	166	136110	10.458	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	36102	10.344	ng	#	96
60) Diethylphthalate	10.245	149	134593	10.073	ng		99
61) 4-Chlorophenyl-phenyle...	10.363	204	64305	10.270	ng		97
62) 4-Nitroaniline	10.386	138	31934	9.842	ng		98
63) Azobenzene	10.522	77	132968	10.010	ng		99
65) 4,6-Dinitro-2-methylph...	10.422	198	20074	8.320	ng		98
66) n-Nitrosodiphenylamine	10.481	169	113408	10.201	ng		98
67) 4-Bromophenyl-phenylether	10.857	248	38257	9.856	ng		97
68) Hexachlorobenzene	10.922	284	40715	10.186	ng		98
69) Atrazine	11.010	200	35287	10.580	ng		98
70) Pentachlorophenol	11.122	266	22735	8.895	ng		98
71) Phenanthrene	11.333	178	196586	10.283	ng		99
72) Anthracene	11.386	178	195528	10.174	ng		99
73) Carbazole	11.545	167	178223	10.306	ng		99
74) Di-n-butylphthalate	11.875	149	200806	10.057	ng		100
75) Fluoranthene	12.522	202	215218	10.618	ng		99
77) Benzidine	12.651	184	69402	11.050	ng		98
78) Pyrene	12.751	202	221721	9.146	ng		99
80) Butylbenzylphthalate	13.374	149	76852	9.152	ng		100
81) Benzo(a)anthracene	13.945	228	189705	10.021	ng		99
82) 3,3'-Dichlorobenzidine	13.910	252	58487	10.785	ng		99
83) Chrysene	13.980	228	174103	9.960	ng		98
84) Bis(2-ethylhexyl)phtha...	13.933	149	86853	9.171	ng		98
85) Di-n-octyl phthalate	14.563	149	115875	8.576	ng		100
87) Indeno(1,2,3-cd)pyrene	16.851	276	111083	8.327	ng		98
88) Benzo(b)fluoranthene	14.998	252	151861	10.476	ng		98
89) Benzo(k)fluoranthene	15.021	252	131265	10.604	ng		99
90) Benzo(a)pyrene	15.357	252	115948	9.885	ng		99
91) Dibenzo(a,h)anthracene	16.868	278	89400	8.271	ng		99
92) Benzo(g,h,i)perylene	17.286	276	93242	8.243	ng		99

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

ICAL Form

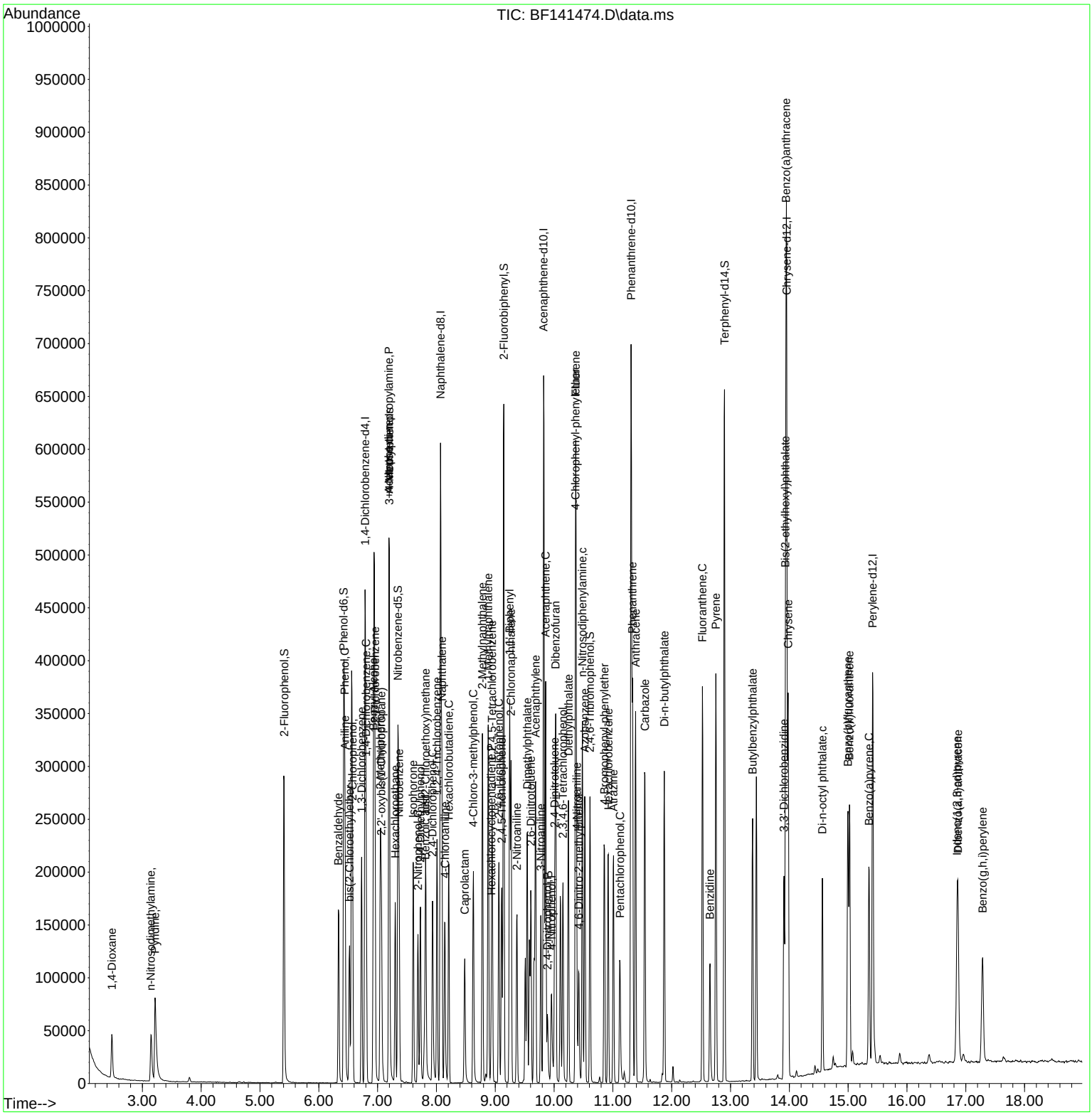
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

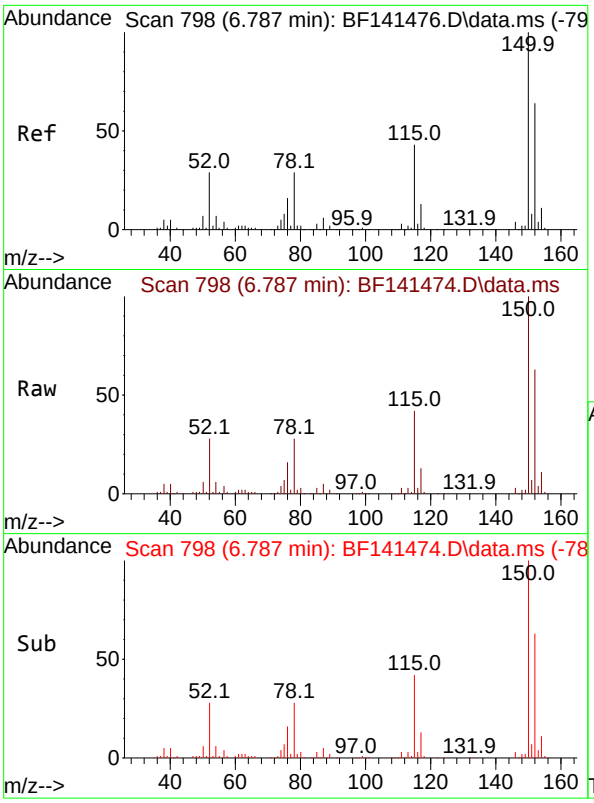
Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

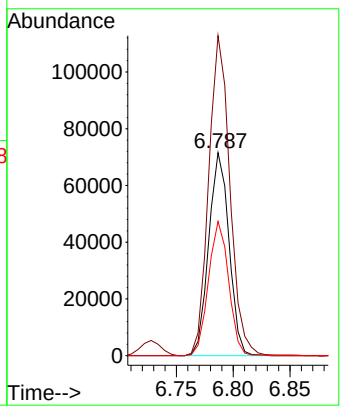




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:152 Resp: 8887

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.0	187.4
115	66.1	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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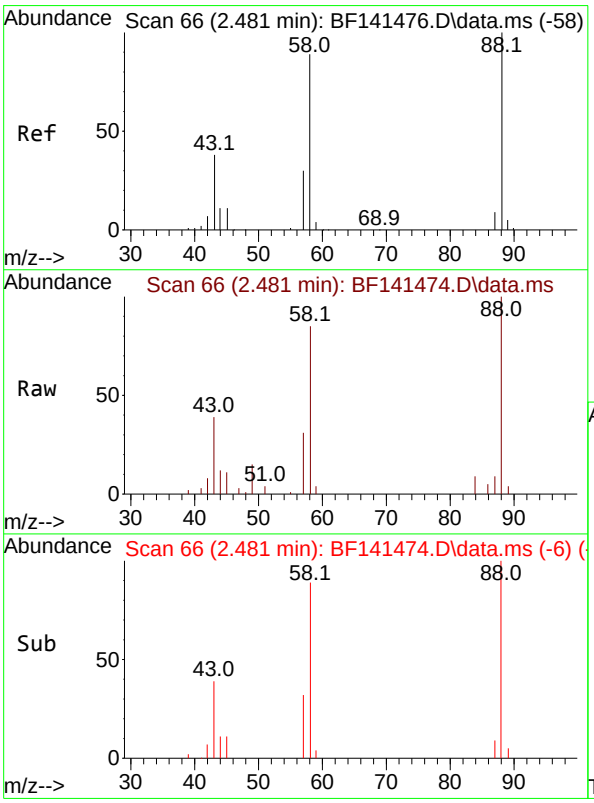
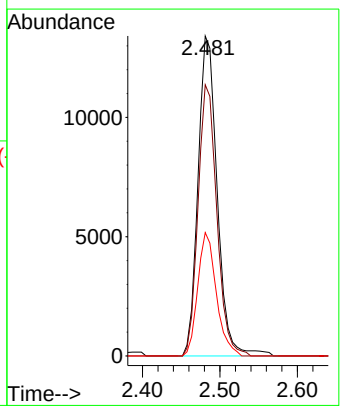
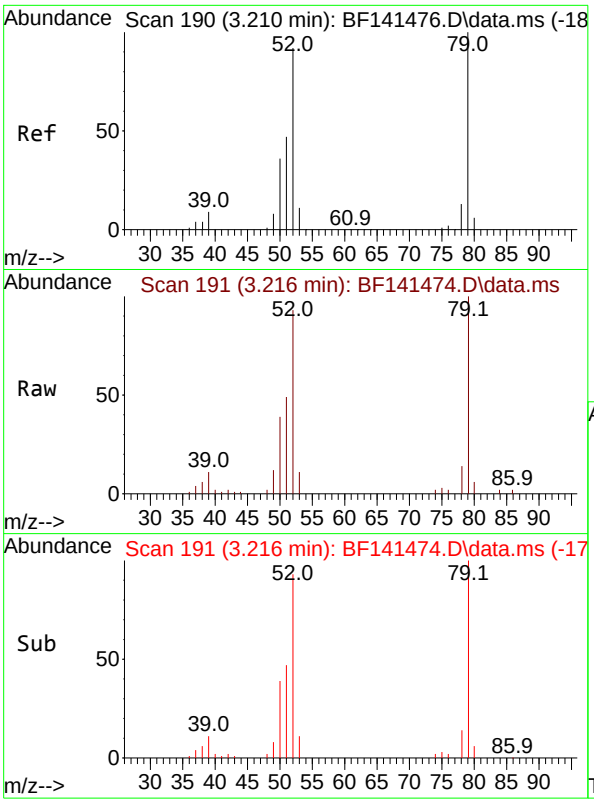


#2
1,4-Dioxane
Concen: 10.108 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 88 Resp: 23063

Ion	Ratio	Lower	Upper
88	100		
58	83.0	71.1	106.7
43	37.3	30.6	46.0

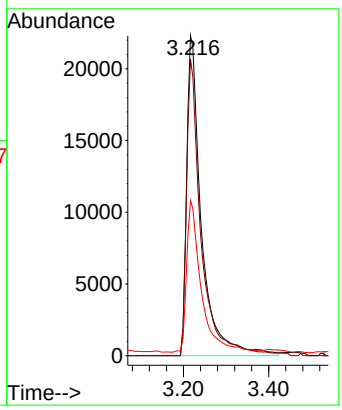




#3
Pyridine
Concen: 9.859 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 79 Resp: 5353

Ion	Ratio	Lower	Upper
79	100		
52	92.7	73.7	110.5
51	48.5	37.5	56.3



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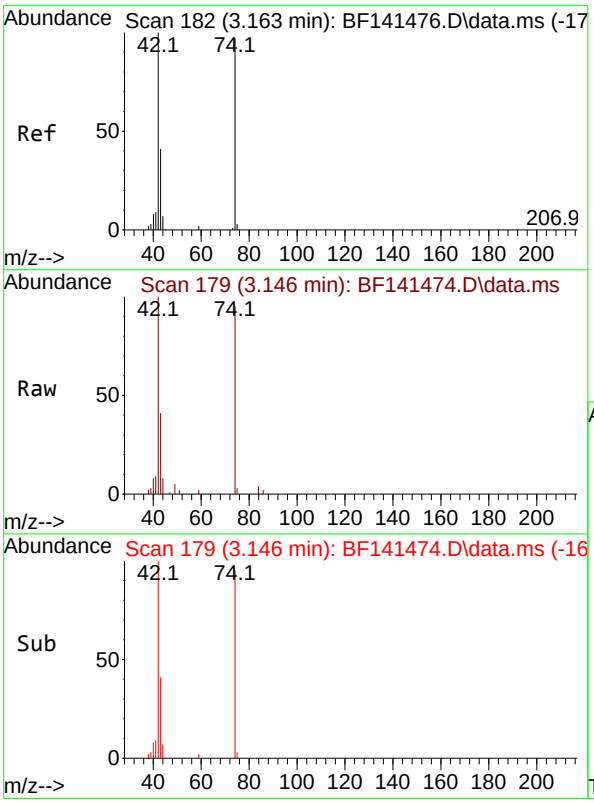
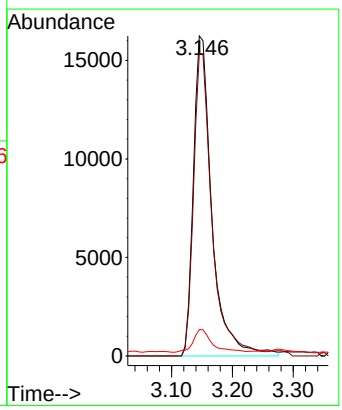
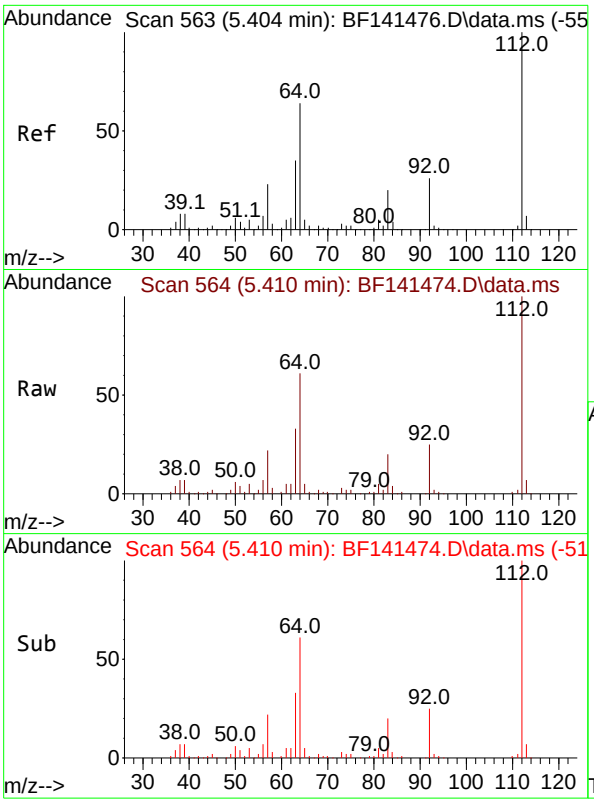


#4
n-Nitrosodimethylamine
Concen: 9.564 ng
RT: 3.146 min Scan# 179
Delta R.T. -0.041 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 42 Resp: 34386

Ion	Ratio	Lower	Upper
42	100		
74	94.6	78.0	117.0
44	8.3	5.4	8.2#

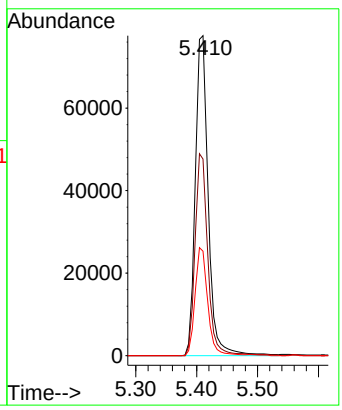




#5
2-Fluorophenol
Concen: 20.227 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:112 Resp: 11466

Ion	Ratio	Lower	Upper
112	100		
64	61.5	51.1	76.7
63	32.6	28.4	42.6



Instrument :
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ClientSampleId :
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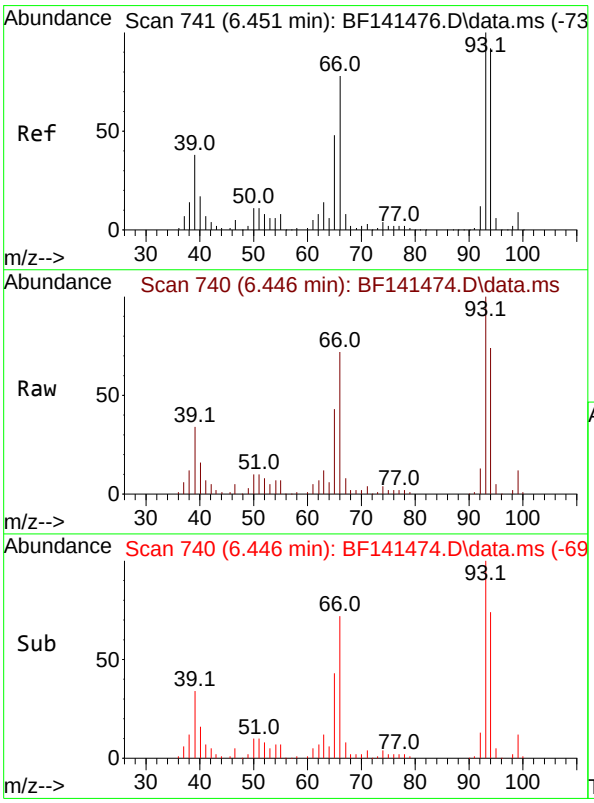
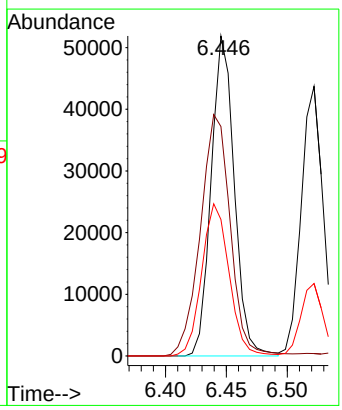
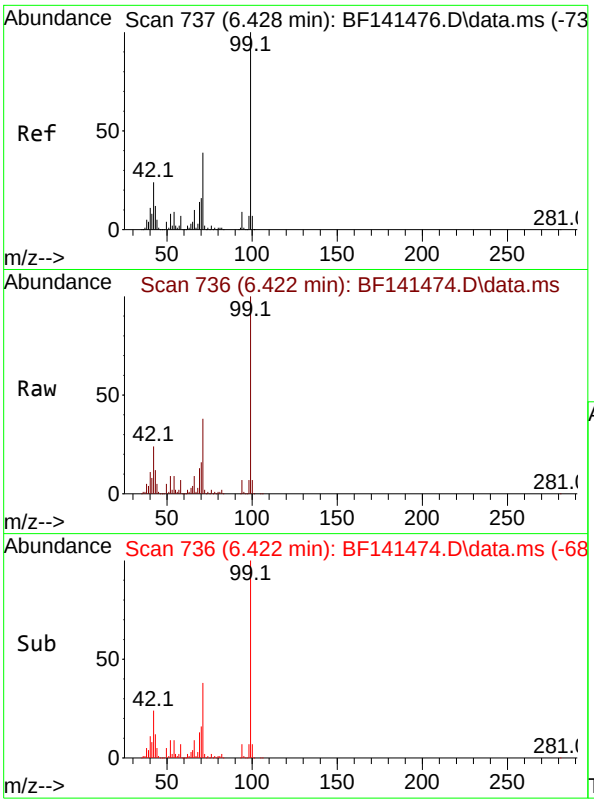


#6
Aniline
Concen: 10.215 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 68661

Ion	Ratio	Lower	Upper
93	100		
66	71.7	62.6	94.0
65	42.7	38.3	57.5

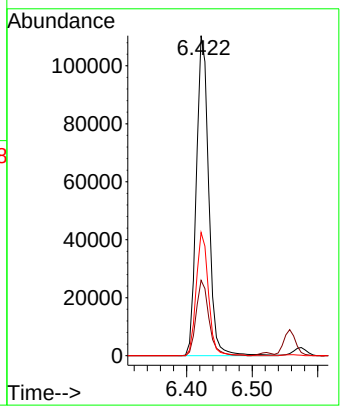




#7
Phenol-d6
Concen: 20.209 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 99 Resp: 14480

Ion	Ratio	Lower	Upper
99	100		
42	23.6	19.1	28.7
71	38.5	31.1	46.7



Instrument :
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ClientSampleId :
SSTDICC010

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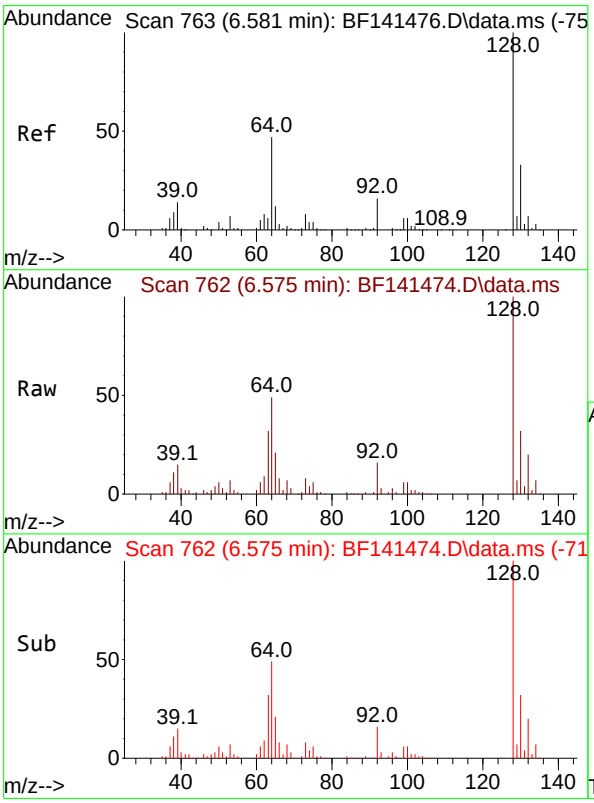
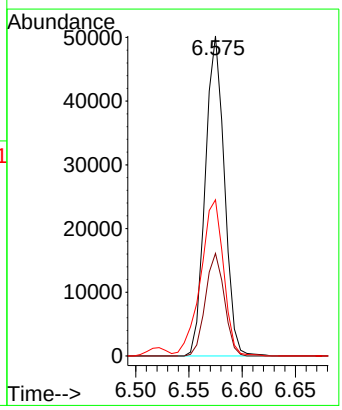
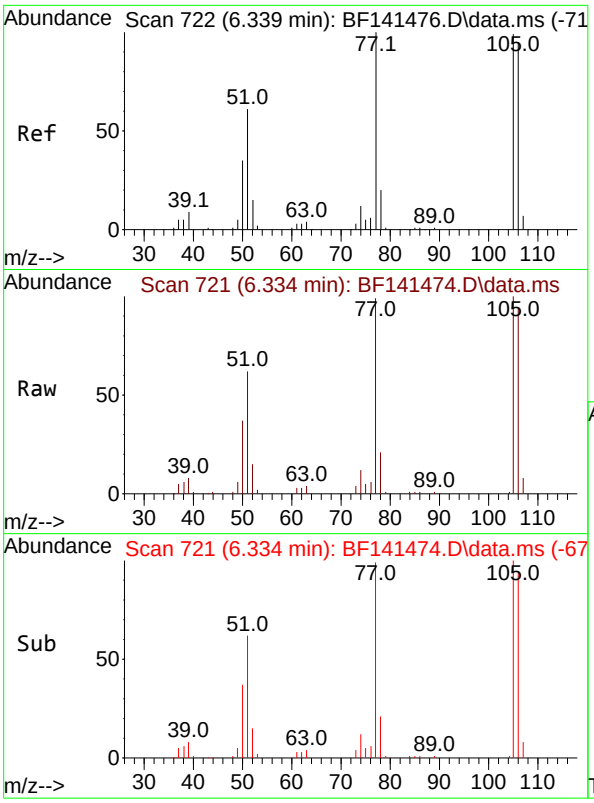


#8
2-Chlorophenol
Concen: 10.232 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:128 Resp: 62679

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.7	52.7
64	48.8	28.3	68.3

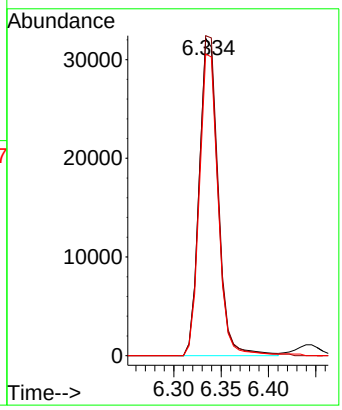




#9
Benzaldehyde
Concen: 11.585 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 77 Resp: 4411

Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	95.1	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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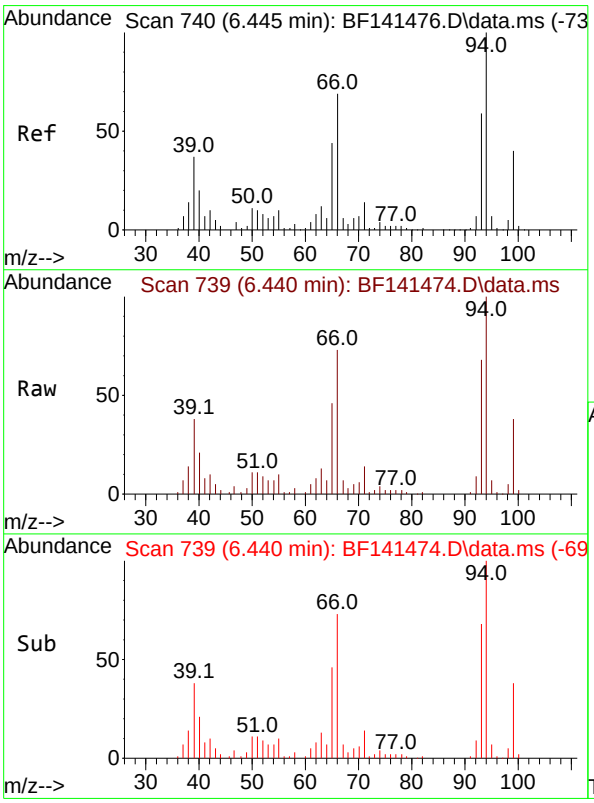
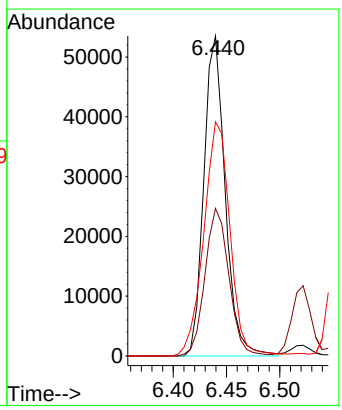
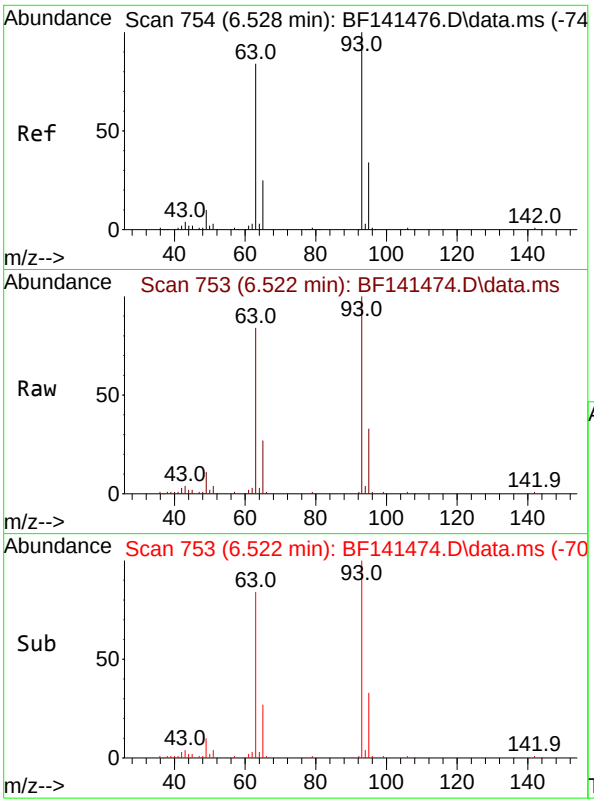


#10
Phenol
Concen: 10.015 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 94 Resp: 74689

Ion	Ratio	Lower	Upper
94	100		
65	46.1	23.7	63.7
66	73.1	49.3	89.3

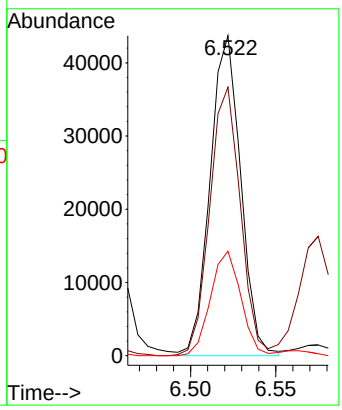




#11
bis(2-Chloroethyl)ether
Concen: 9.752 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 5462

Ion	Ratio	Lower	Upper
93	100		
63	83.9	62.0	102.0
95	32.6	12.6	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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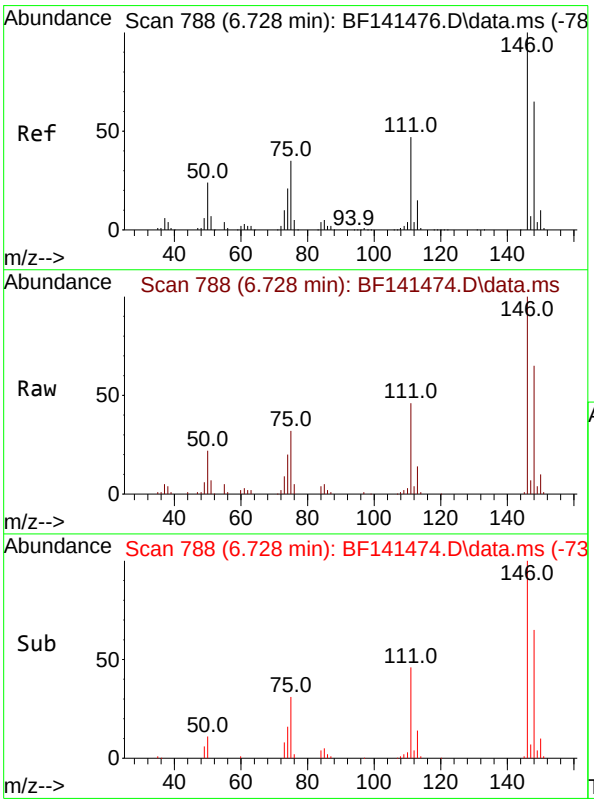
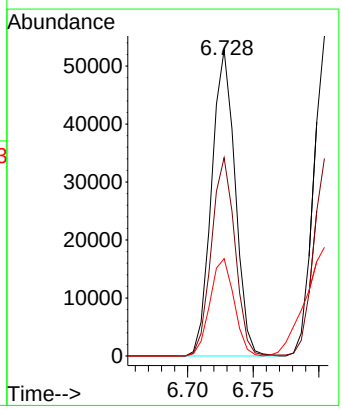
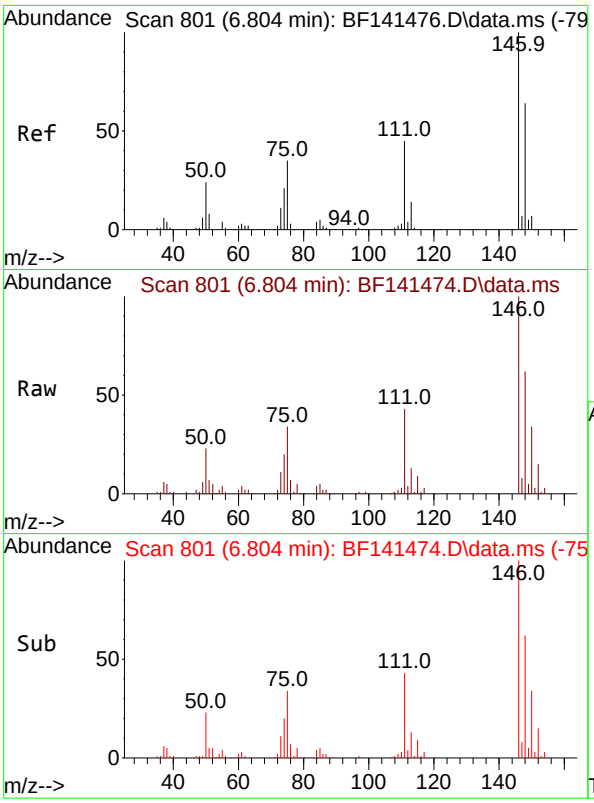


#12
1,3-Dichlorobenzene
Concen: 10.182 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:146 Resp: 65850

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	31.8	28.2	42.2

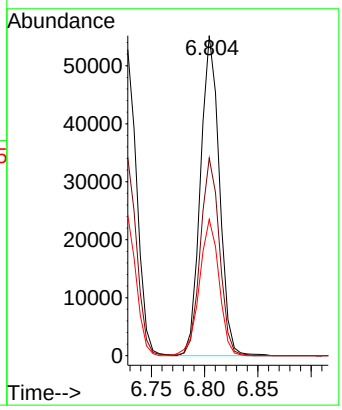




#13
1,4-Dichlorobenzene
Concen: 10.341 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:146 Resp: 6833

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.9	76.3
111	42.6	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
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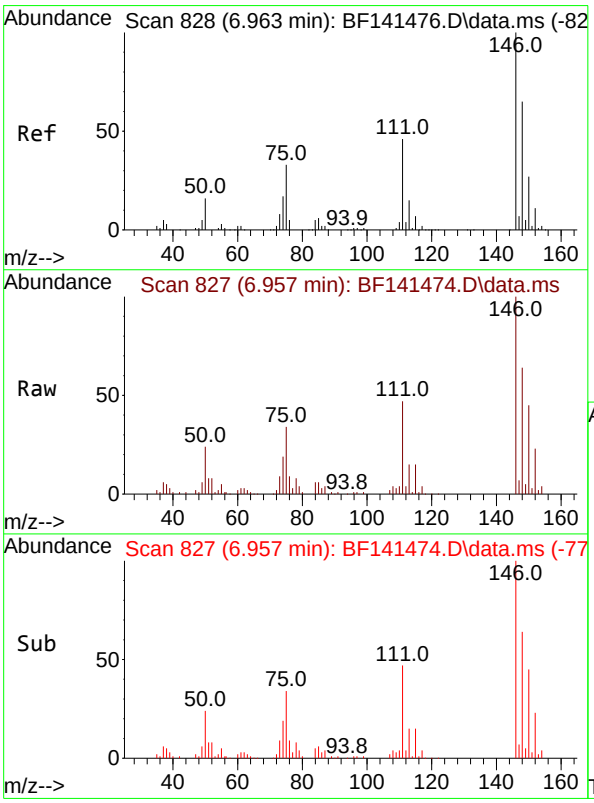
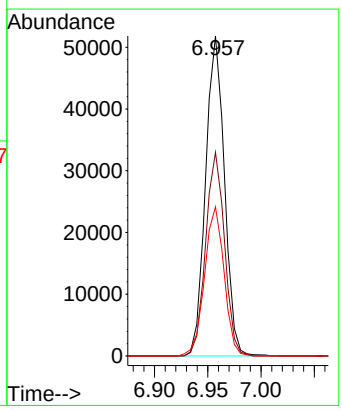
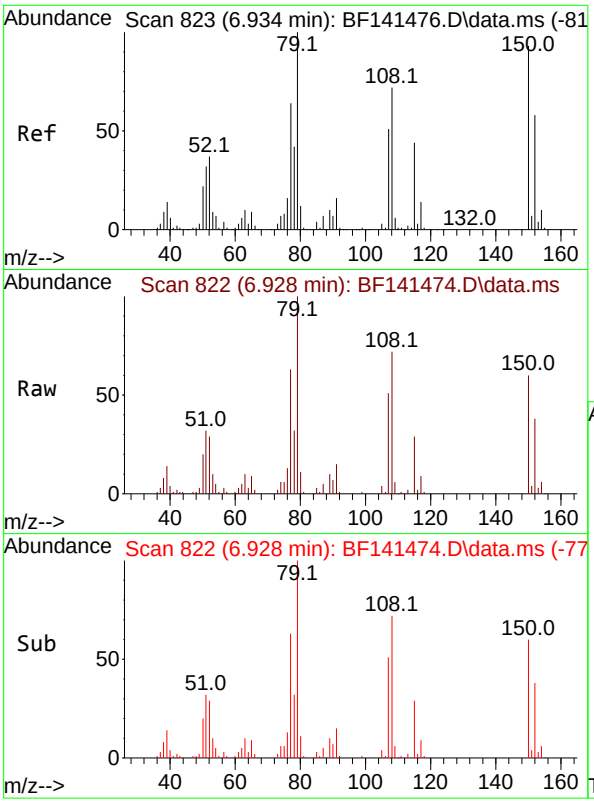


#14
1,2-Dichlorobenzene
Concen: 10.428 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:146 Resp: 63948

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.6
111	46.6	37.0	55.4

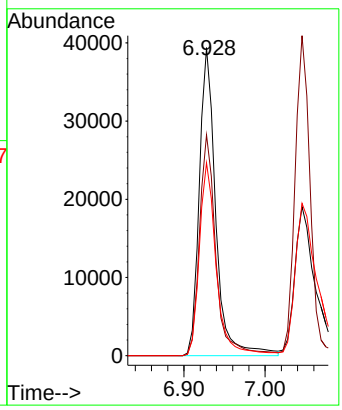




#15
Benzyl Alcohol
Concen: 10.115 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 79 Resp: 5558

Ion	Ratio	Lower	Upper
79	100		
108	71.7	57.4	86.2
77	62.6	50.9	76.3



Instrument :
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ClientSampleId :
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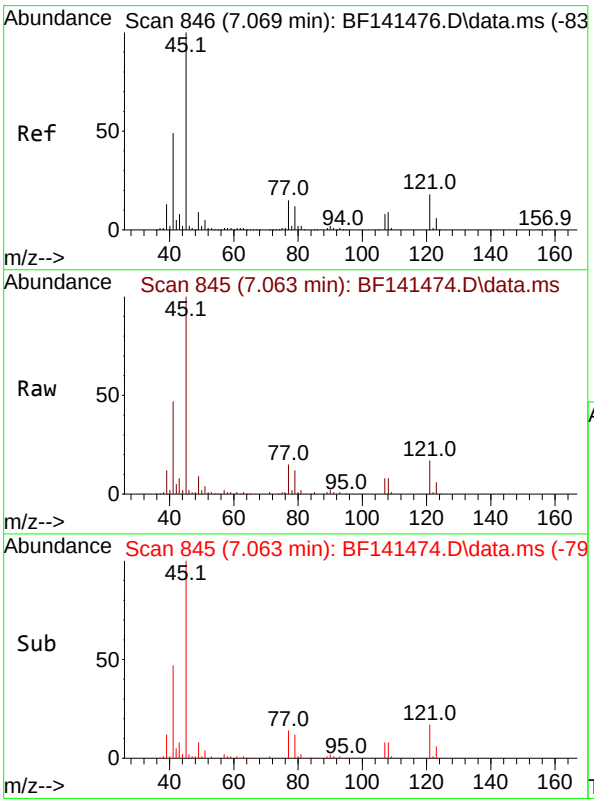
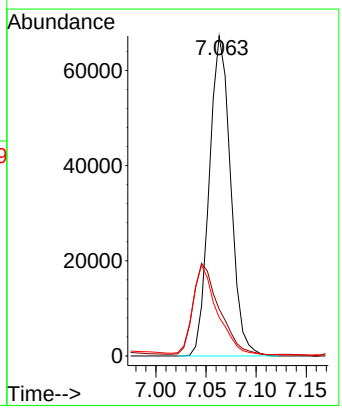
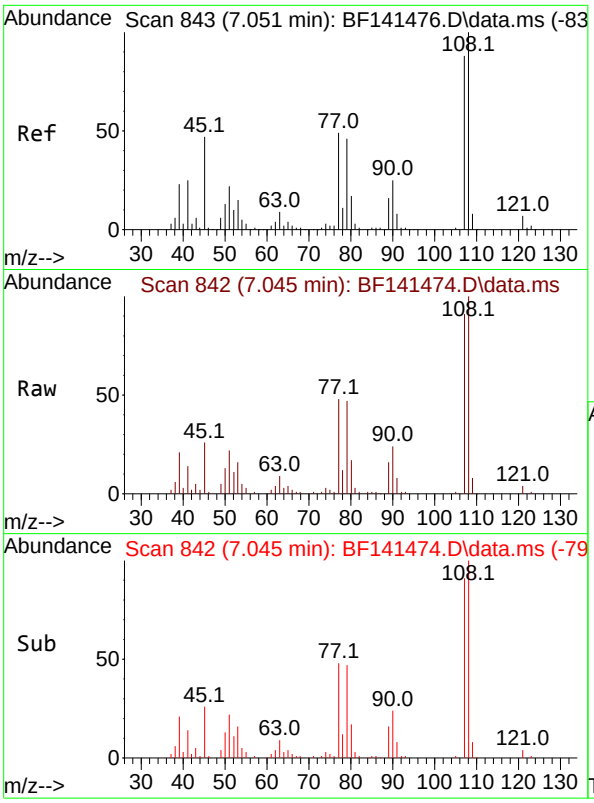


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.406 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 45 Resp: 99782

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.8
79	12.1	0.0	32.7

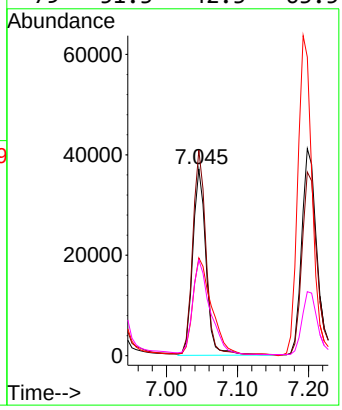




#17
2-Methylphenol
Concen: 10.092 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:107 Resp: 4837

Ion	Ratio	Lower	Upper
107	100		
108	110.1	90.6	136.0
77	52.4	44.4	66.6
79	51.3	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
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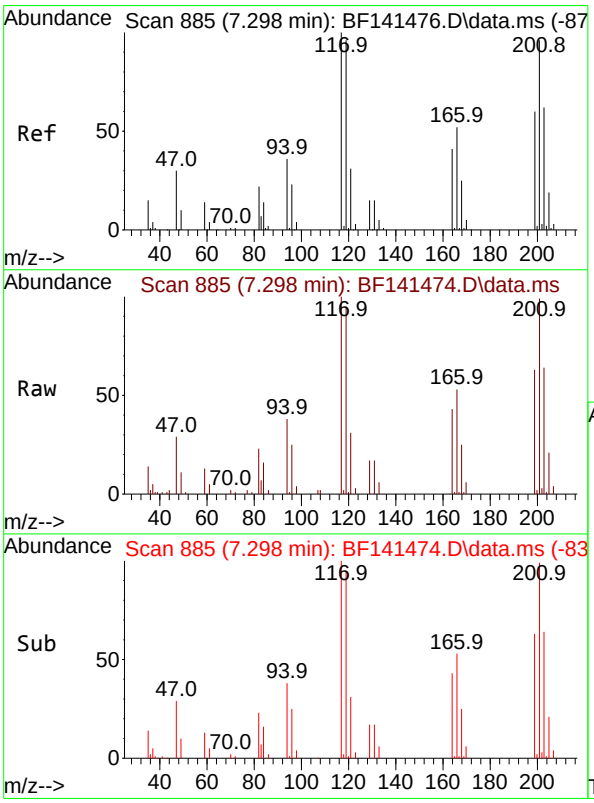
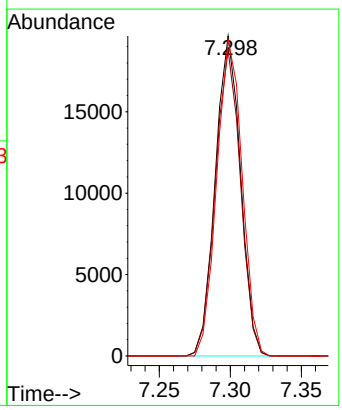
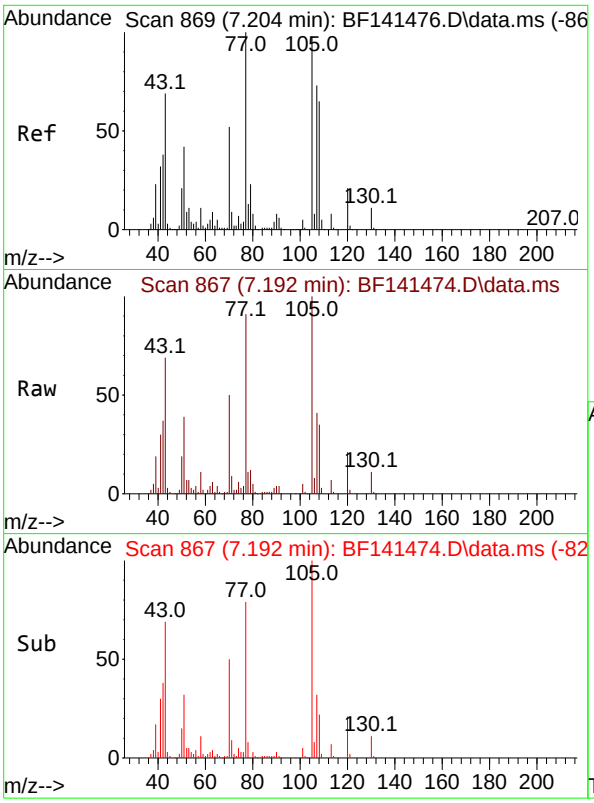


#18
Hexachloroethane
Concen: 9.910 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:117 Resp: 24233

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.5	114.7
201	98.8	76.7	115.1

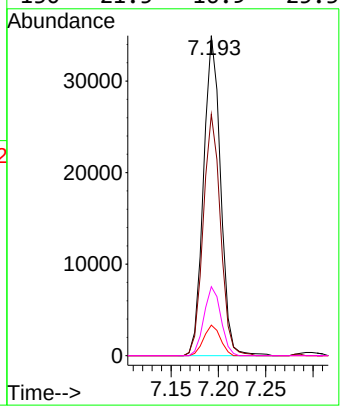




#19
n-Nitroso-di-n-propylamine
Concen: 10.210 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 70 Resp: 4376

Ion	Ratio	Lower	Upper
70	100		
42	75.4	57.4	86.2
101	9.5	8.0	12.0
130	21.5	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
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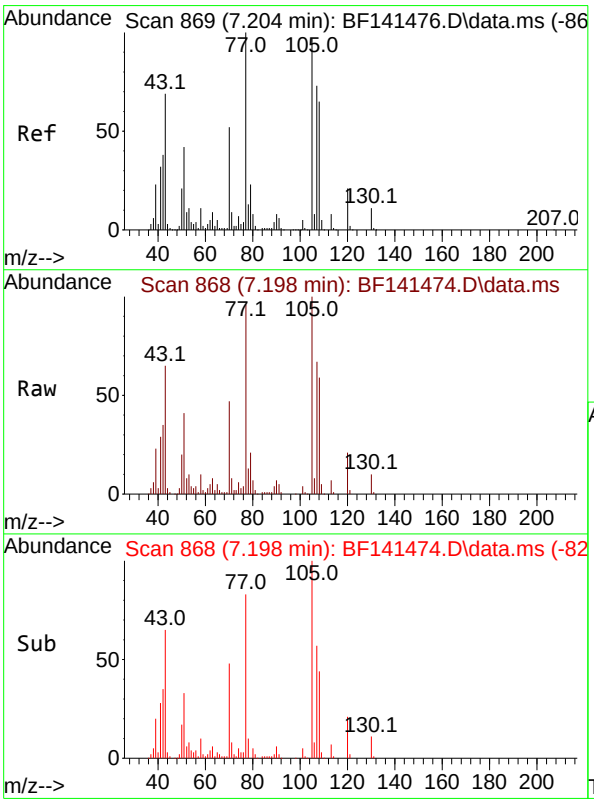
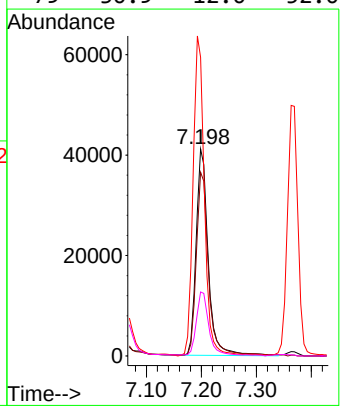
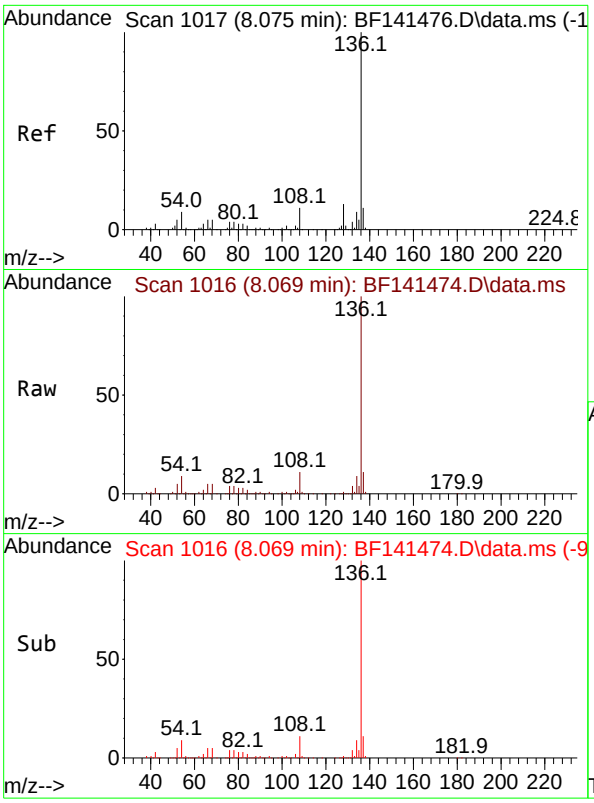


#20
3+4-Methylphenols
Concen: 10.332 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:107 Resp: 62949

Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.5	108.5
77	144.2	116.5	156.5
79	30.9	12.0	52.0

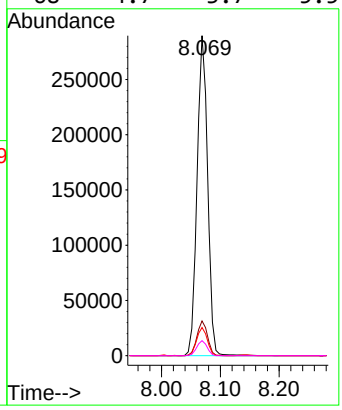




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:136 Resp: 36119

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	7.2	10.8
68	4.7	3.7	5.5



Instrument :
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ClientSampleId :
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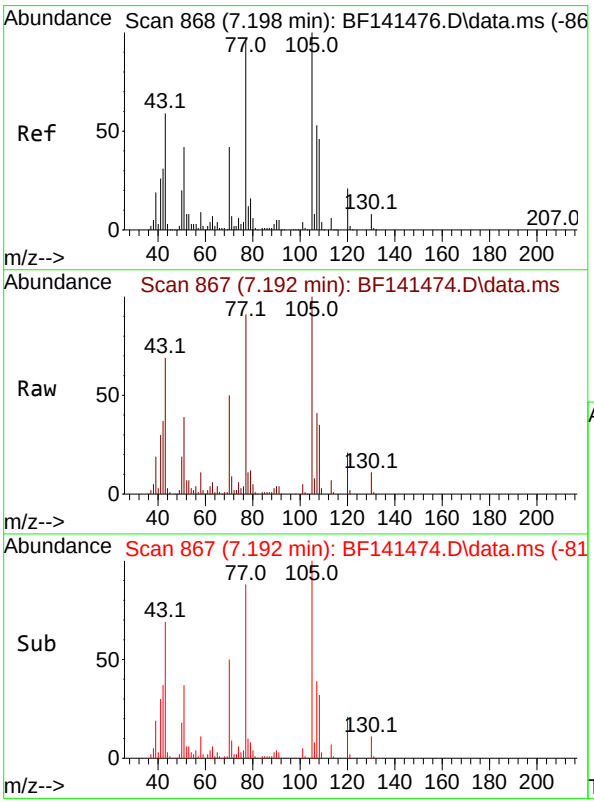
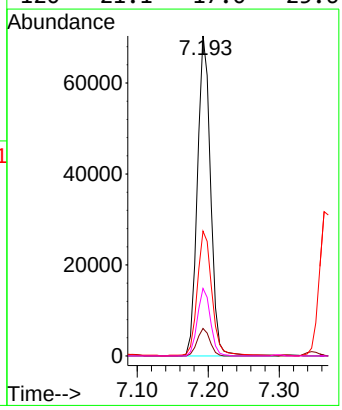
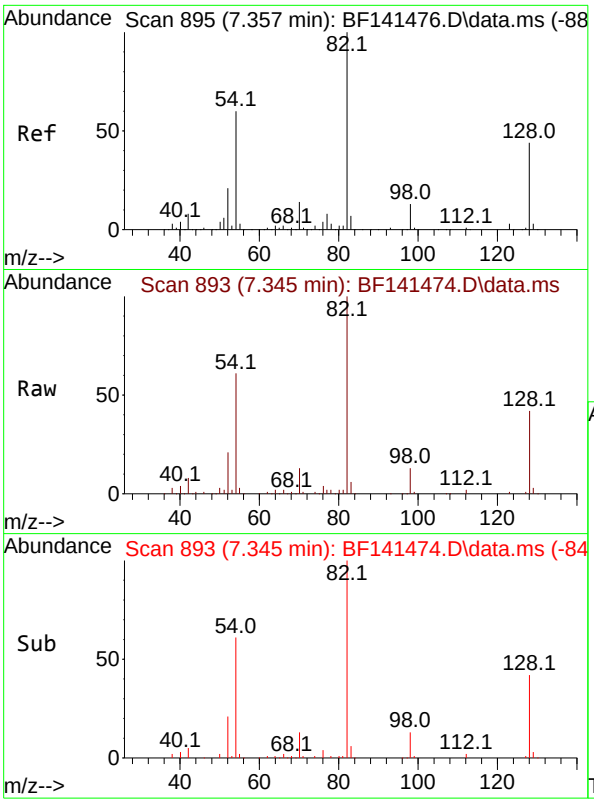


#22
Acetophenone
Concen: 10.085 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:105 Resp: 90614

Ion	Ratio	Lower	Upper
105	100		
71	8.6	5.7	8.5#
51	39.0	33.7	50.5
120	21.1	17.0	25.6

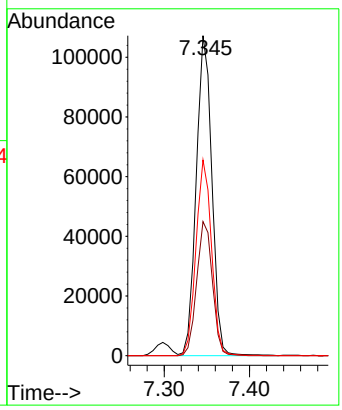




#23
Nitrobenzene-d5
Concen: 19.783 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 82 Resp: 13699

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.8	52.2
54	61.2	48.2	72.4



Instrument :
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ClientSampleId :
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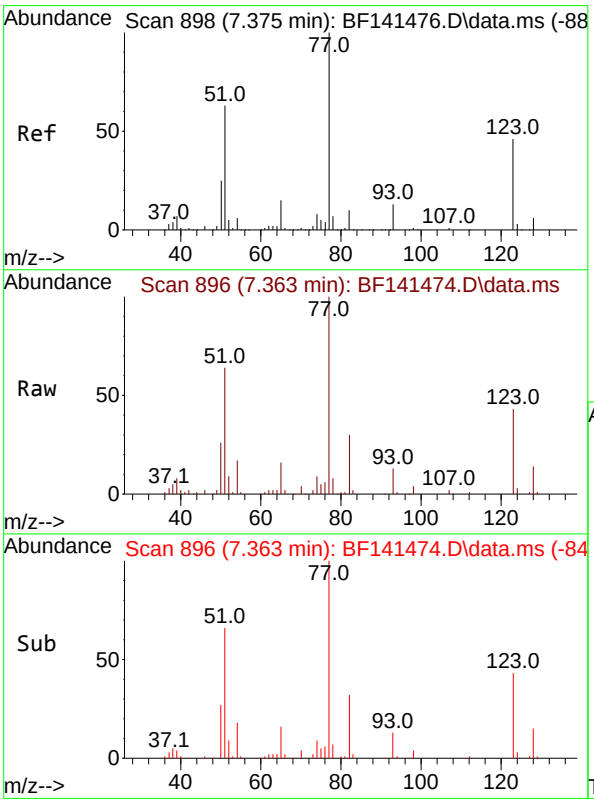
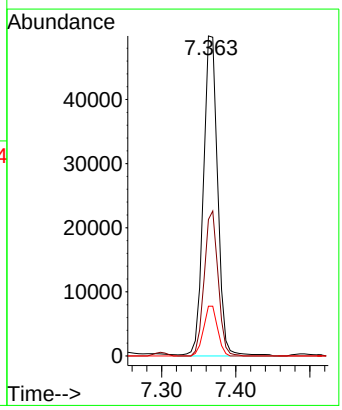
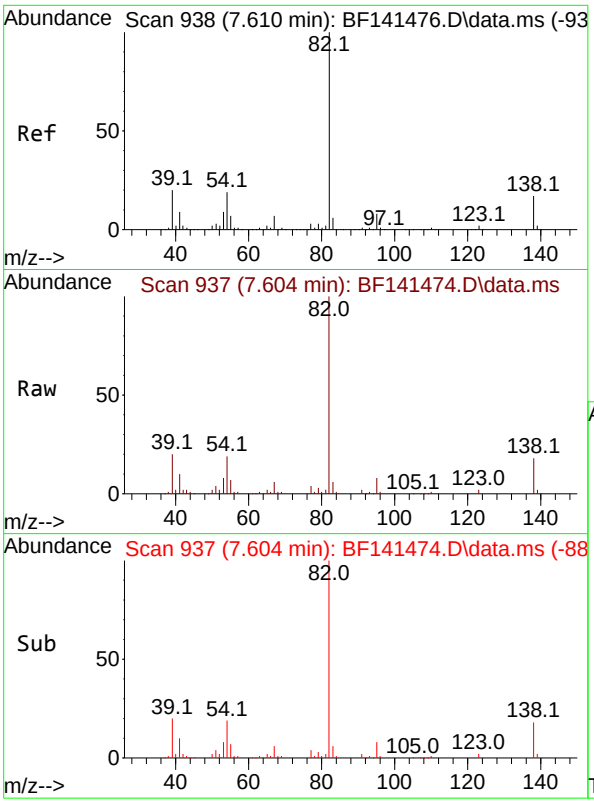


#24
Nitrobenzene
Concen: 9.927 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 77 Resp: 67032

Ion	Ratio	Lower	Upper
77	100		
123	42.7	36.9	55.3
65	15.5	11.9	17.9

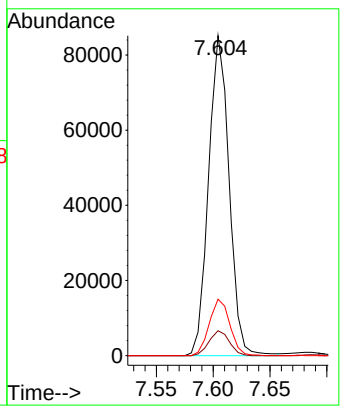




#25
Isophorone
Concen: 9.712 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 82 Resp: 10724

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.7	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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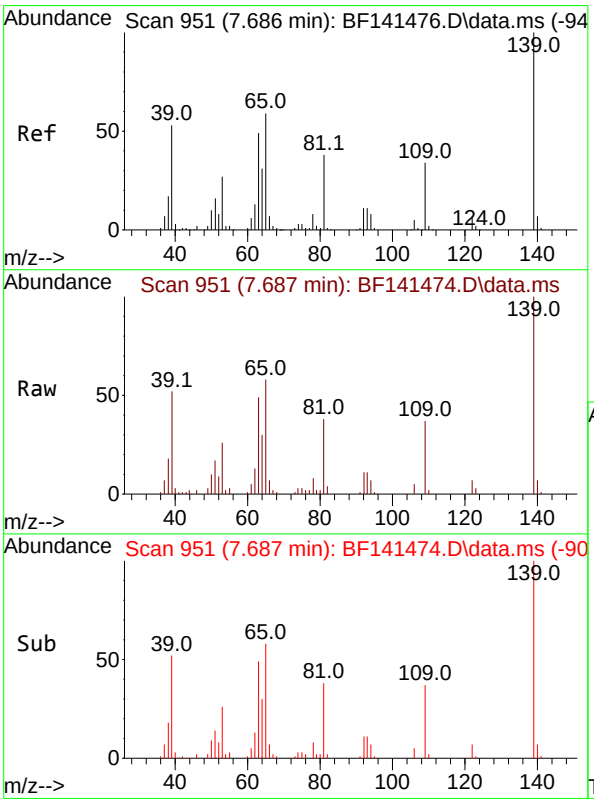
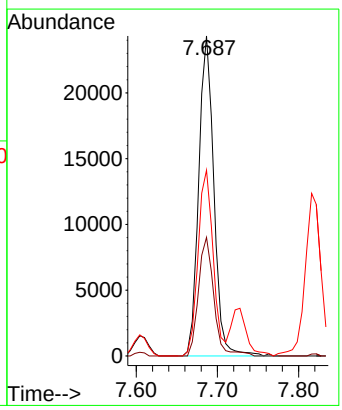
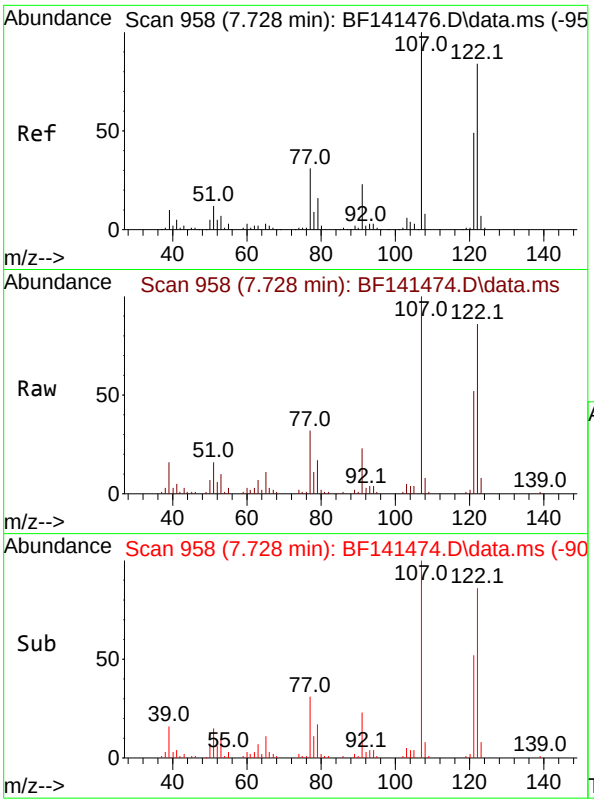


#26
2-Nitrophenol
Concen: 9.403 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:139 Resp: 31590

Ion	Ratio	Lower	Upper
139	100		
109	37.1	27.0	40.6
65	58.1	47.1	70.7

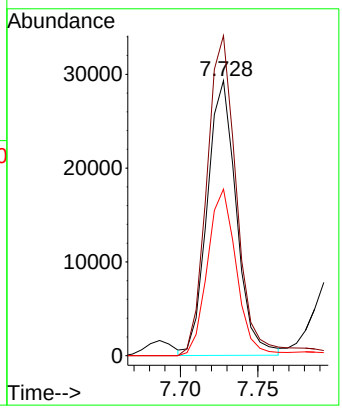




#27
2,4-Dimethylphenol
Concen: 9.759 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:122 Resp: 3830

Ion	Ratio	Lower	Upper
122	100		
107	116.3	94.3	141.5
121	60.5	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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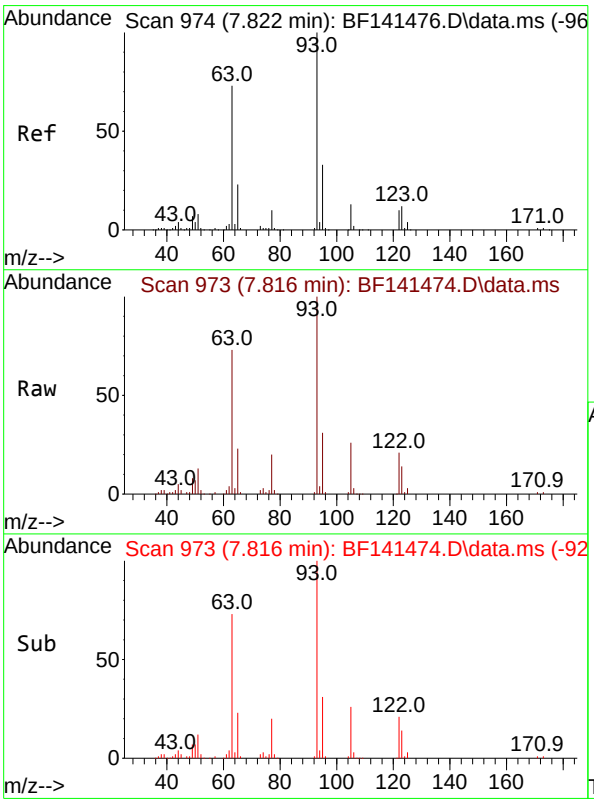
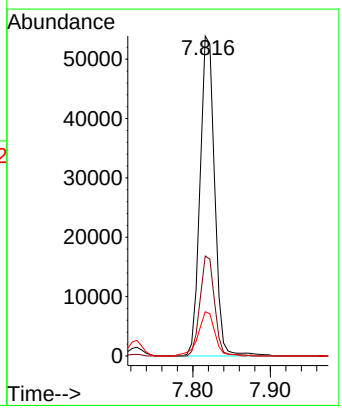
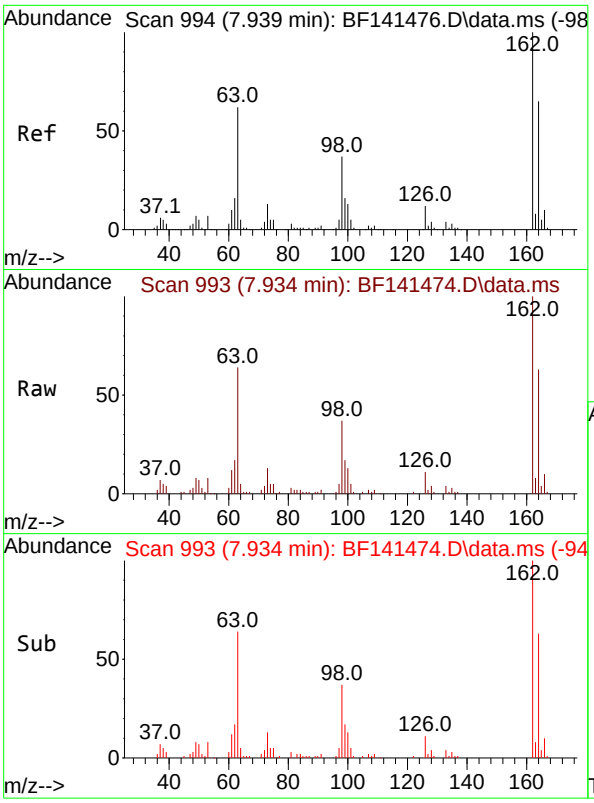


#28
bis(2-Chloroethoxy)methane
Concen: 9.958 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 70458

Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.1	39.1
123	13.8	9.5	14.3

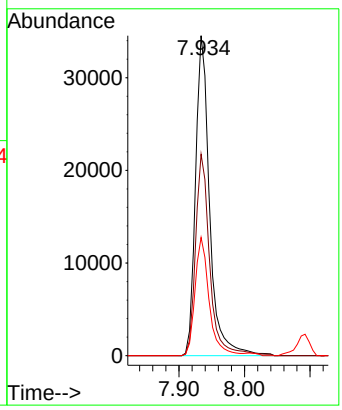




#29
2,4-Dichlorophenol
Concen: 9.784 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:162 Resp: 5188

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.6	84.6
98	36.9	17.2	57.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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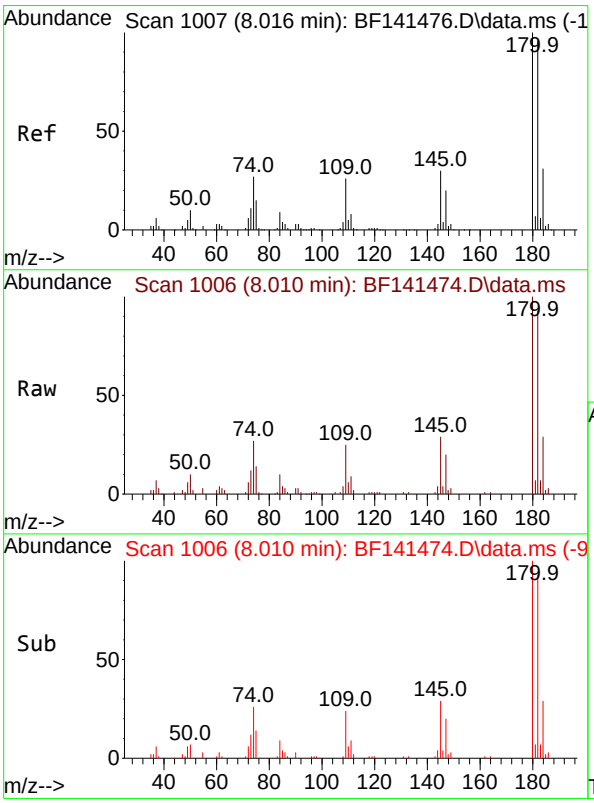
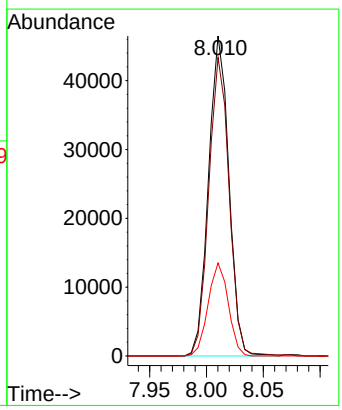
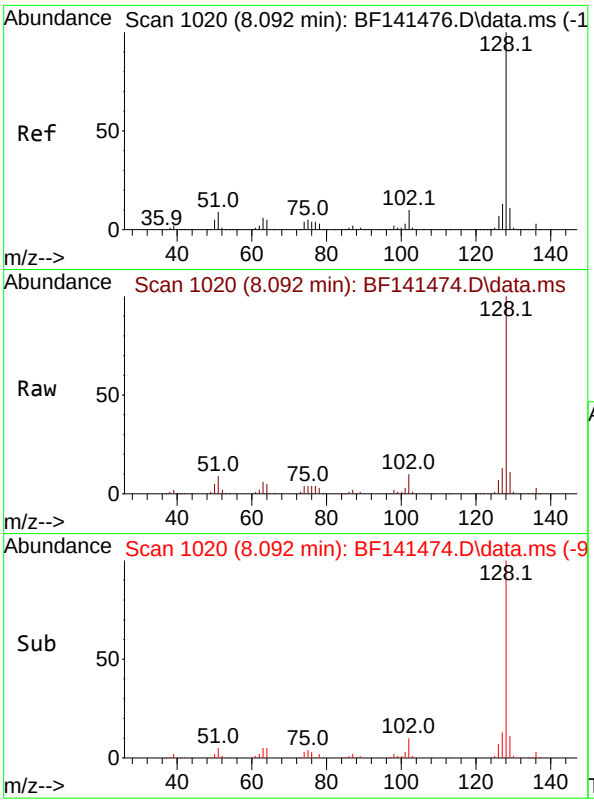


#30
1,2,4-Trichlorobenzene
Concen: 10.033 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:180 Resp: 57937

Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.8	115.2
145	29.1	24.2	36.4





#31
Naphthalene
Concen: 10.002 ng
RT: 8.092 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:128 Resp: 18804(

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.5	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
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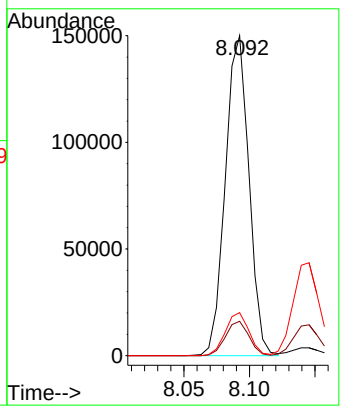
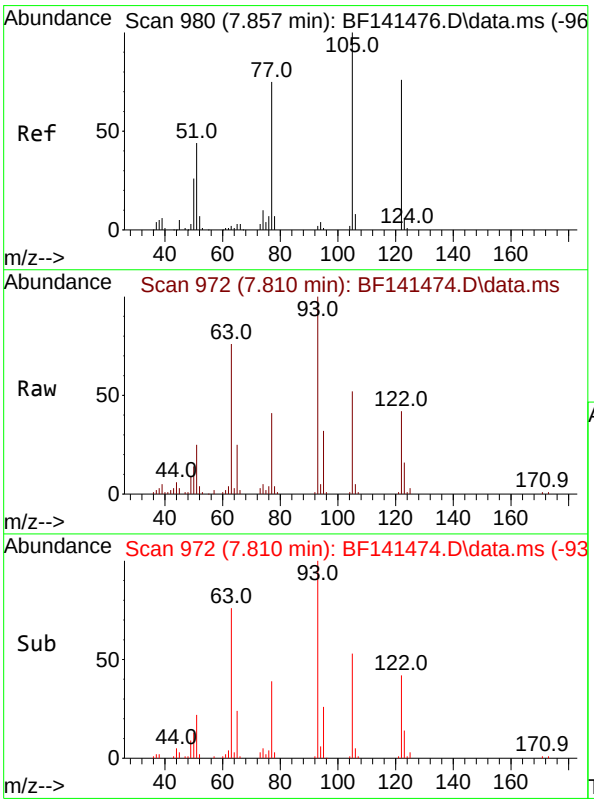
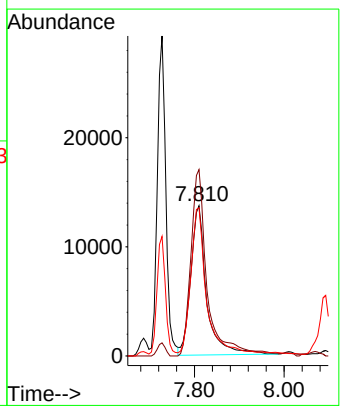


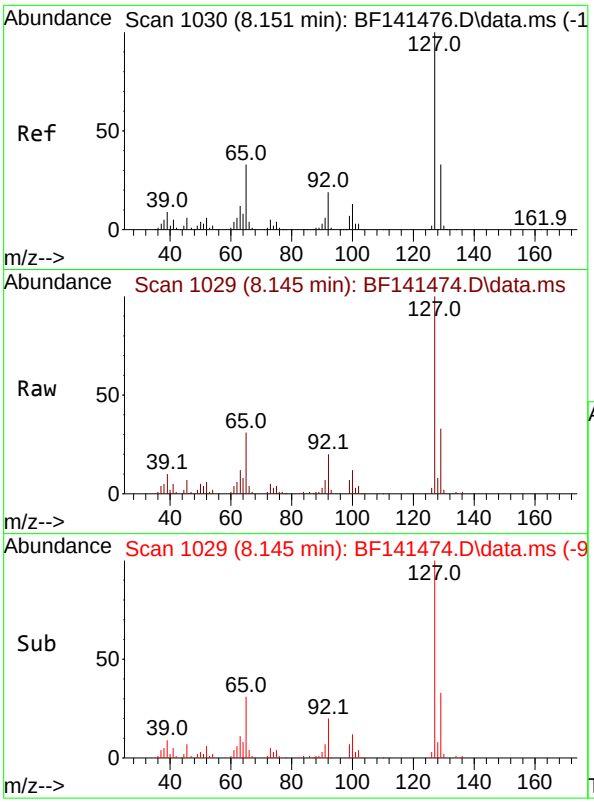


#32
Benzoic acid
Concen: 8.253 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.082 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:122 Resp: 33645

Ion	Ratio	Lower	Upper
122	100		
105	124.1	106.5	146.5
77	98.6	76.3	116.3

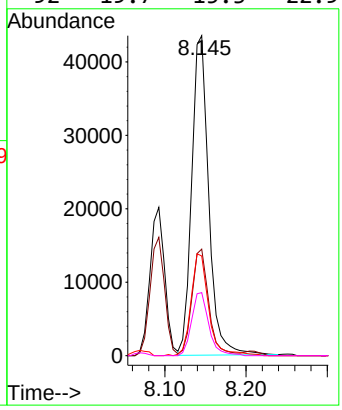




#33
4-Chloroaniline
Concen: 9.678 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:127 Resp: 6352

Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.5	39.7
65	31.2	26.4	39.6
92	19.7	15.3	22.9



Instrument :
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ClientSampleId :
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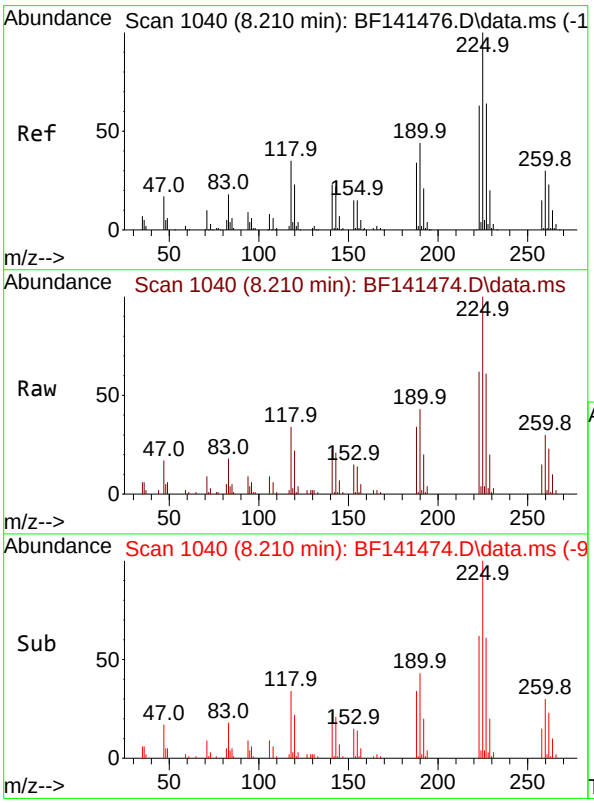
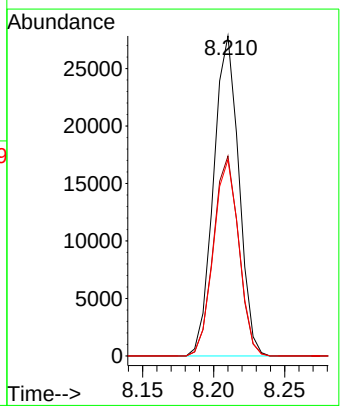
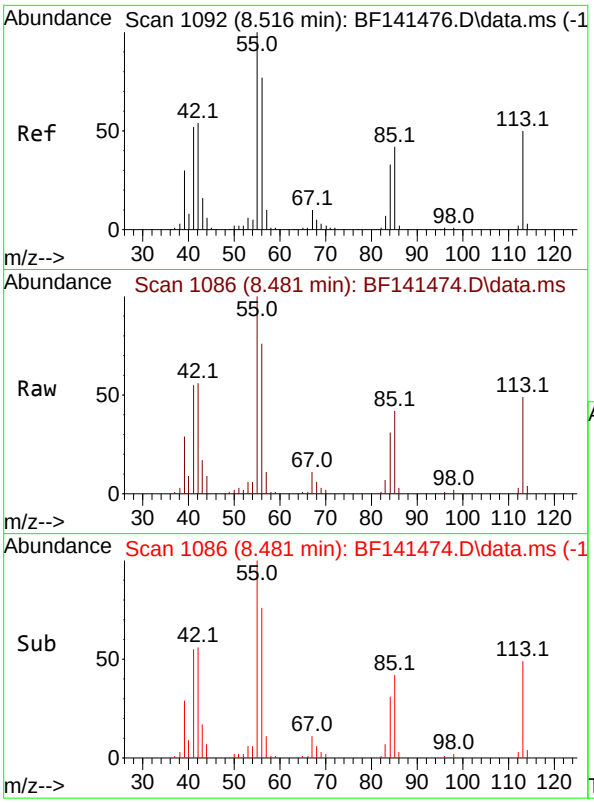


#34
Hexachlorobutadiene
Concen: 9.932 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:225 Resp: 34431

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.1	75.1
227	61.3	51.0	76.6





#35
Caprolactam
Concen: 9.495 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.065 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:113 Resp: 1533

Ion	Ratio	Lower	Upper
113	100		
55	203.4	180.8	220.8
56	155.4	133.6	173.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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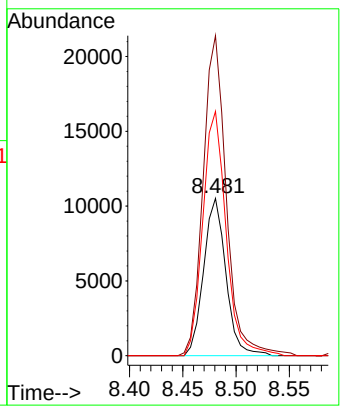
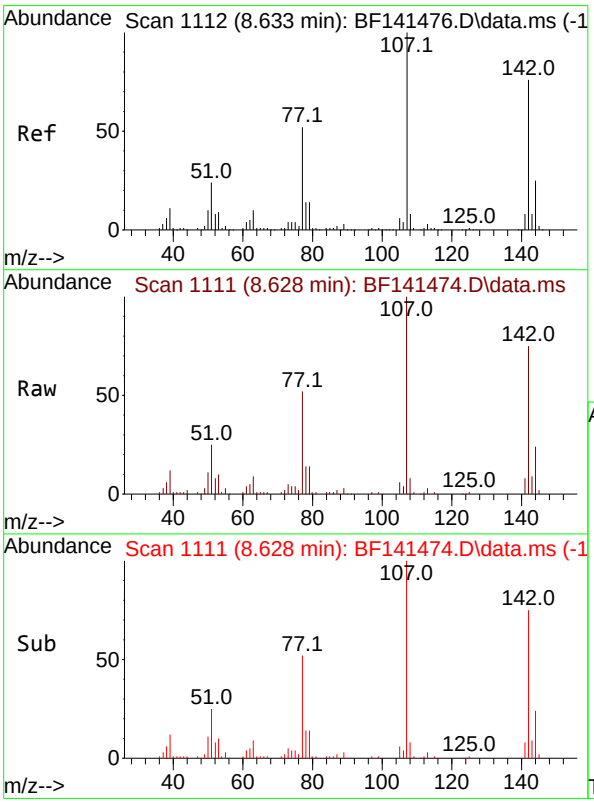
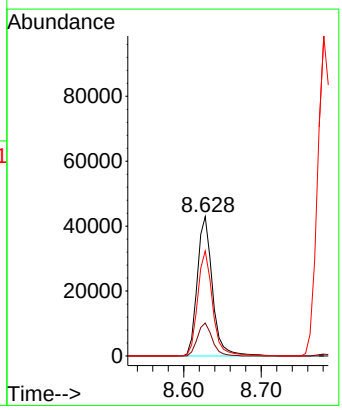


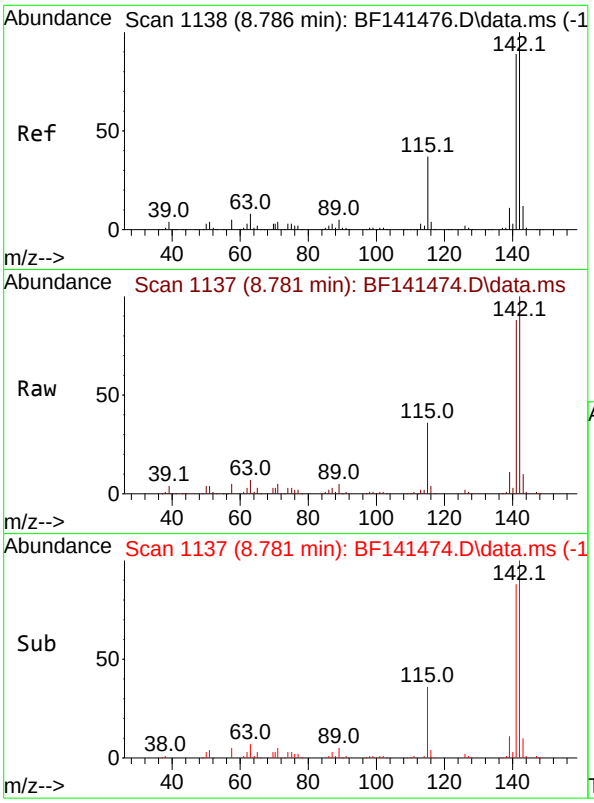


#36
4-Chloro-3-methylphenol
Concen: 9.949 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:107 Resp: 58441

Ion	Ratio	Lower	Upper
107	100		
144	23.7	19.7	29.5
142	75.3	60.8	91.2

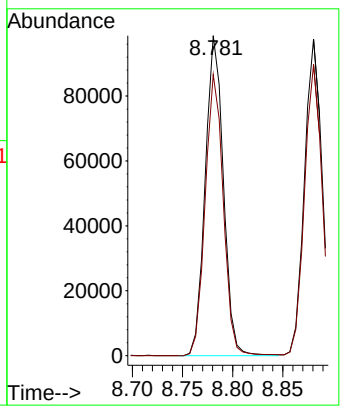




#37
2-Methylnaphthalene
Concen: 10.177 ng
RT: 8.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:142 Resp: 12451

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.2	106.8



Instrument :
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ClientSampleId :
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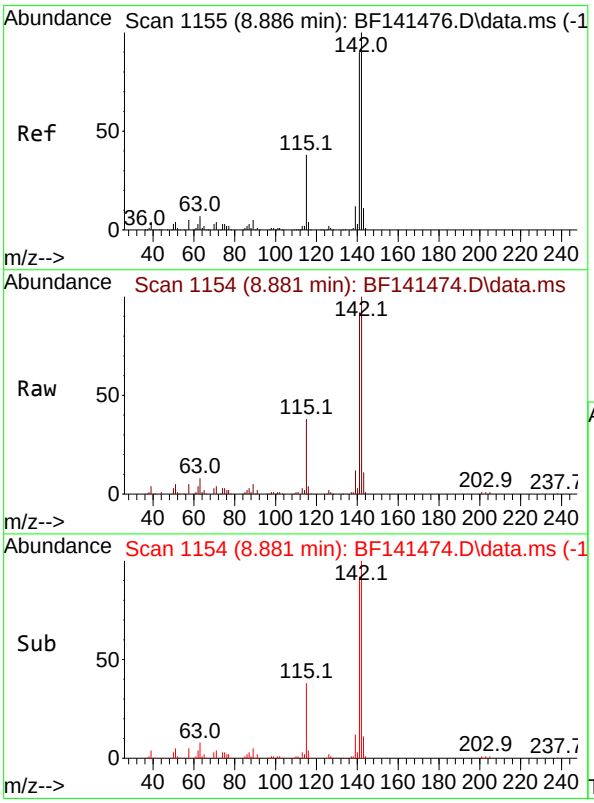
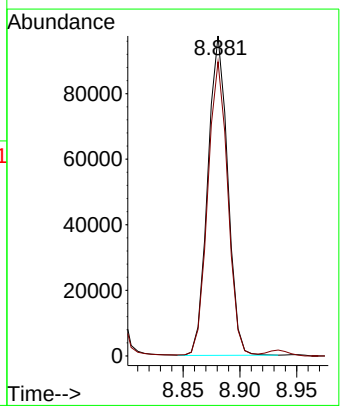
Supervised By :mohammad ahmed 02/07/2025

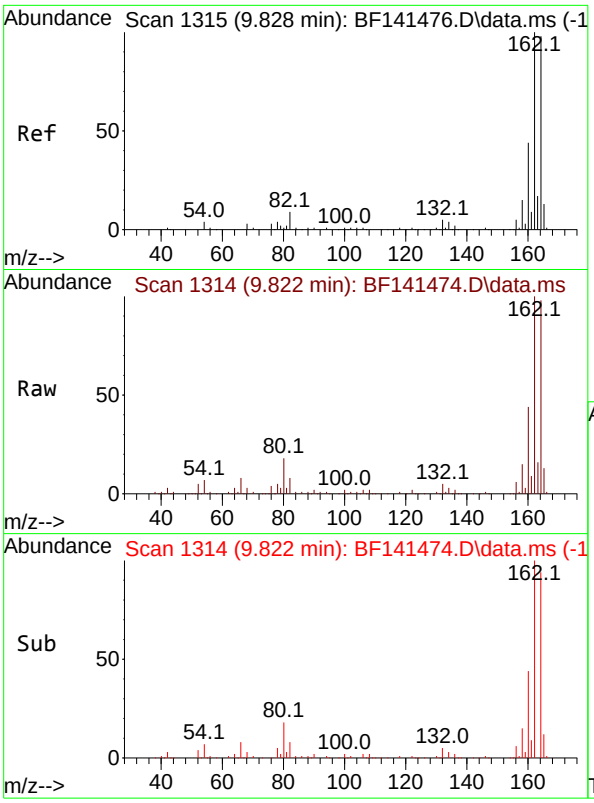


#38
1-Methylnaphthalene
Concen: 10.019 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:142 Resp: 118722

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.1	108.1

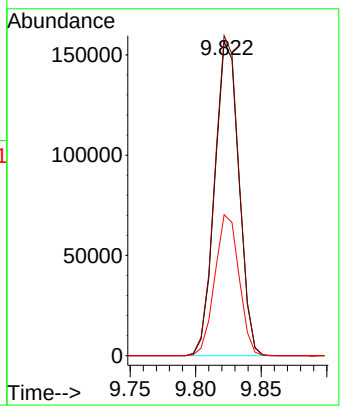




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:164 Resp: 20004

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.3	121.9
160	44.9	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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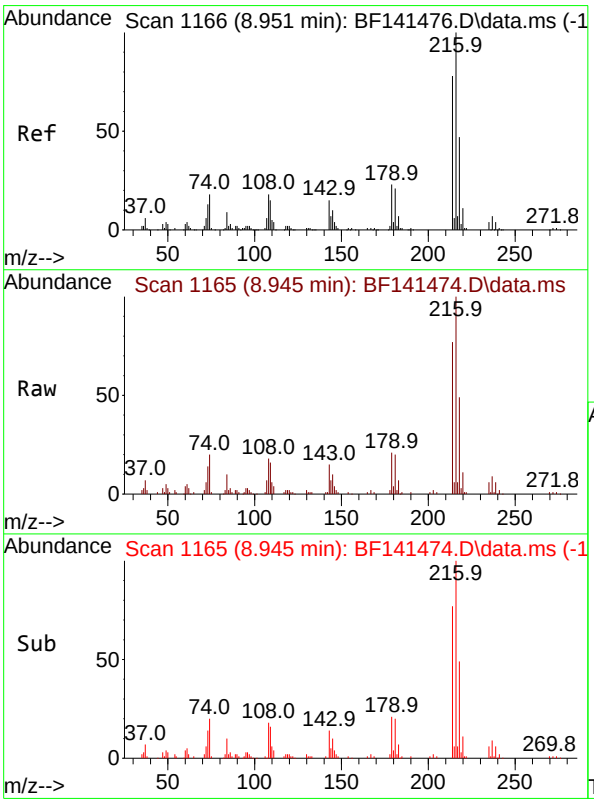
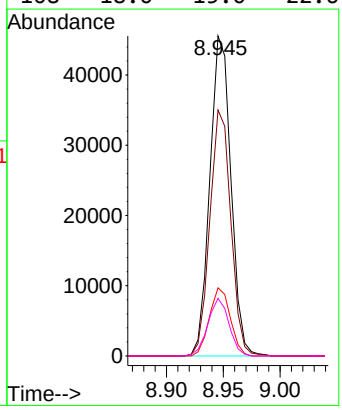
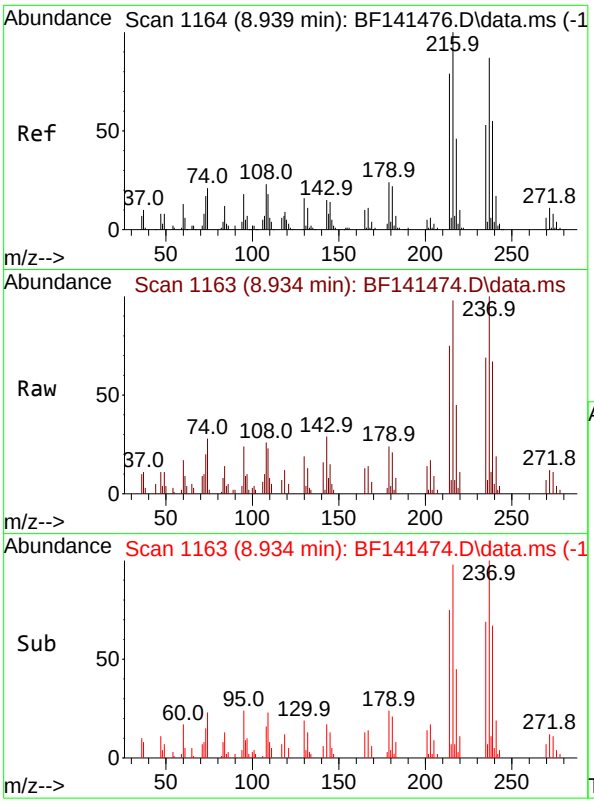


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.160 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:216 Resp: 58800

Ion	Ratio	Lower	Upper
216	100		
214	76.5	62.3	93.5
179	21.1	18.0	27.0
108	18.0	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 7.161 ng
RT: 8.934 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 1378

Ion	Ratio	Lower	Upper
237	100		
235	69.2	41.4	81.4
272	11.9	0.0	32.4

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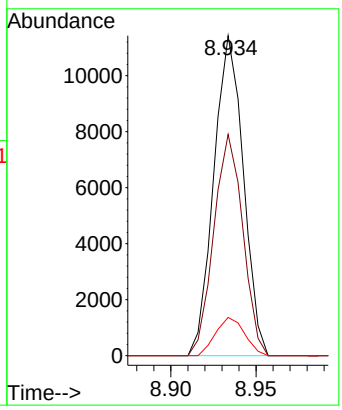
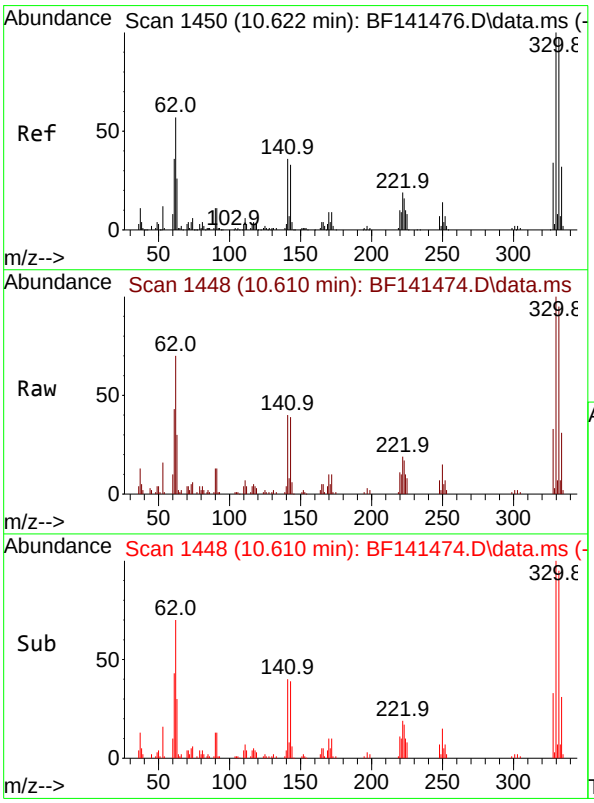
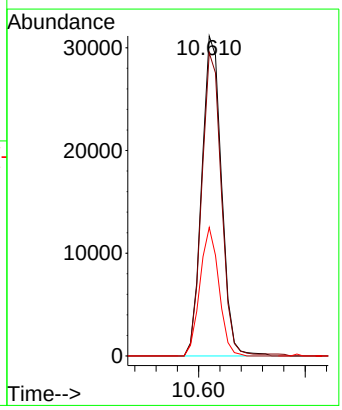


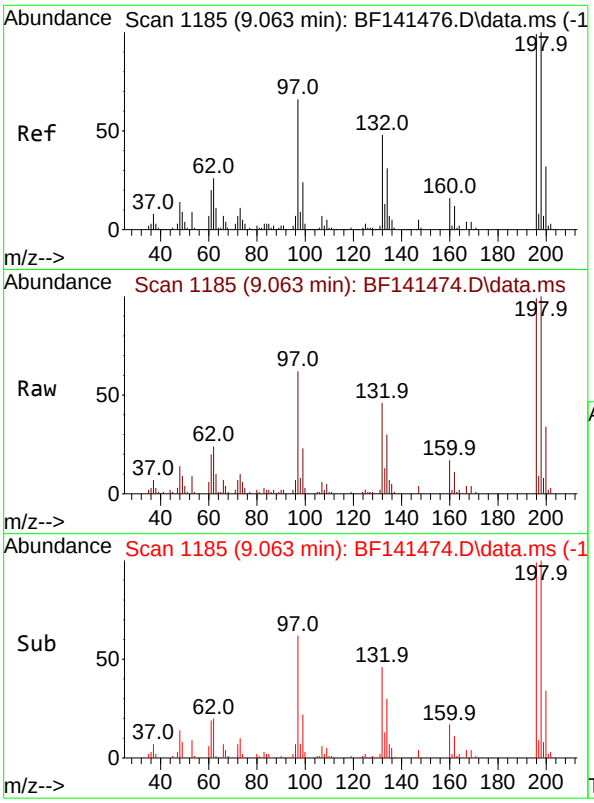


#42
2,4,6-Tribromophenol
Concen: 19.941 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:330 Resp: 40073

Ion	Ratio	Lower	Upper
330	100		
332	94.1	78.5	117.7
141	38.6	31.0	46.4

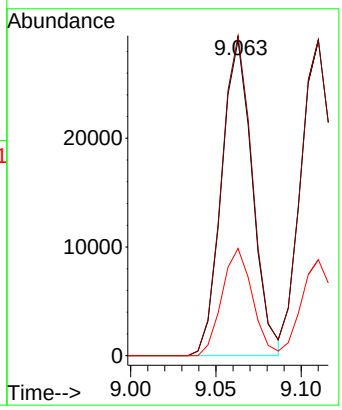




#43
2,4,6-Trichlorophenol
Concen: 9.773 ng
RT: 9.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:196 Resp: 3655

Ion	Ratio	Lower	Upper
196	100		
198	101.5	80.6	121.0
200	34.0	25.5	38.3



Instrument :
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ClientSampleId :
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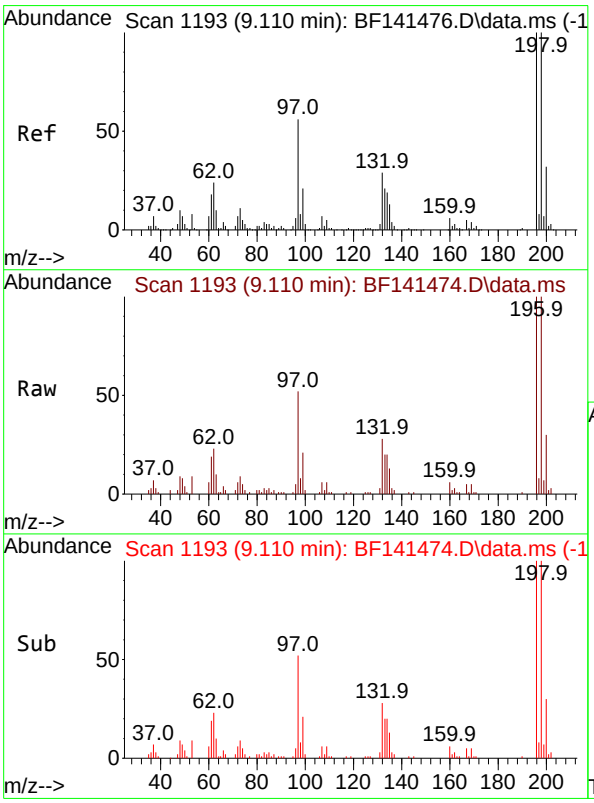
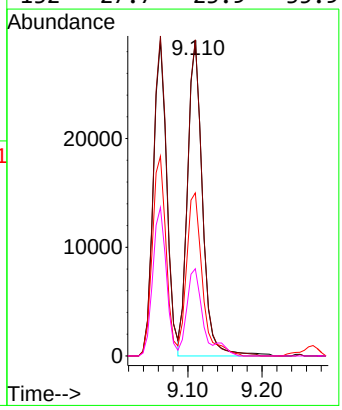
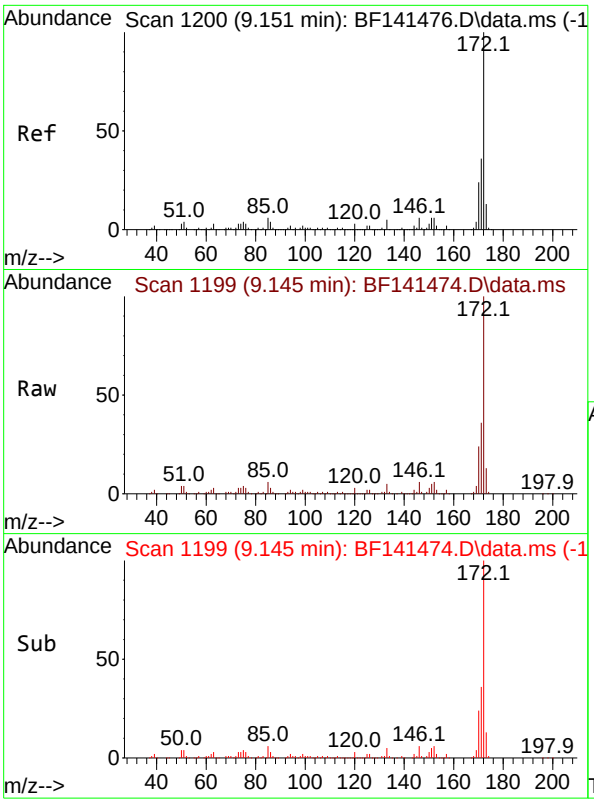


#44
2,4,5-Trichlorophenol
Concen: 10.039 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:196 Resp: 40697

Ion	Ratio	Lower	Upper
196	100		
198	100.3	79.8	119.8
97	51.7	44.8	67.2
132	27.7	23.9	35.9

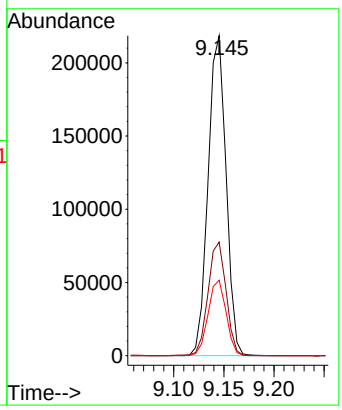




#45
2-Fluorobiphenyl
Concen: 20.947 ng
RT: 9.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:172 Resp: 27198

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.6	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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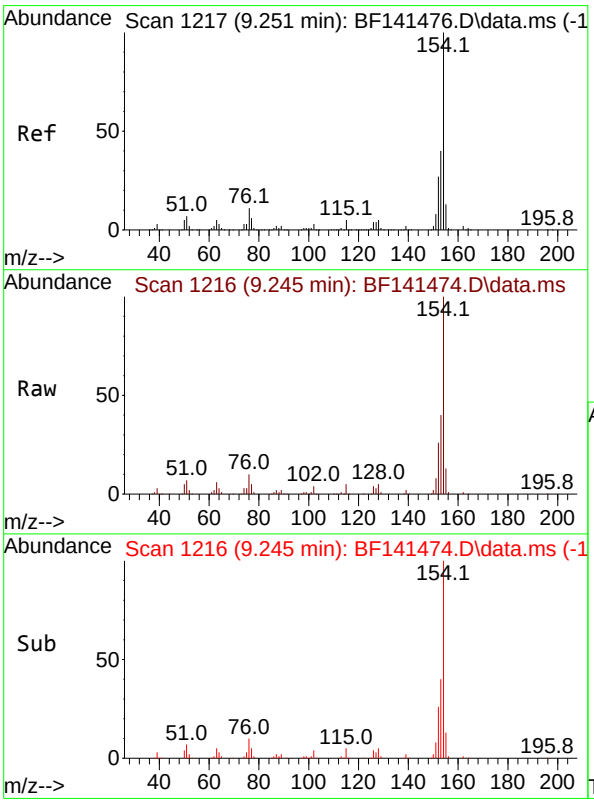
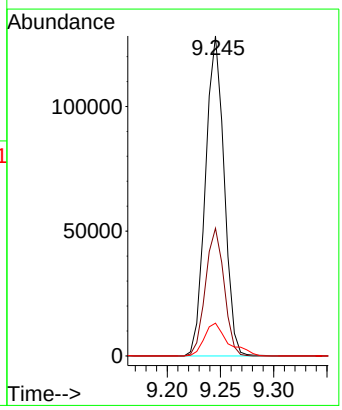
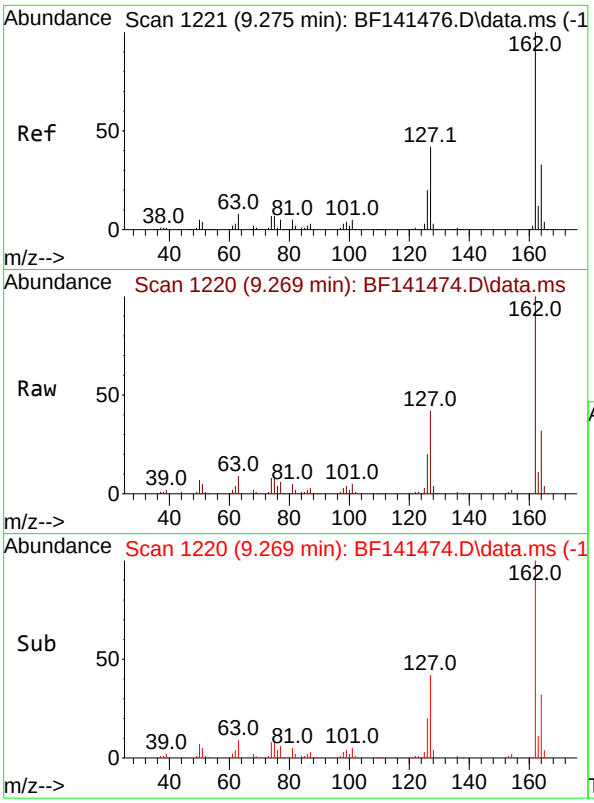


#46
1,1'-Biphenyl
Concen: 10.086 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:154 Resp: 156431

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.4	60.4
76	10.3	0.0	30.8

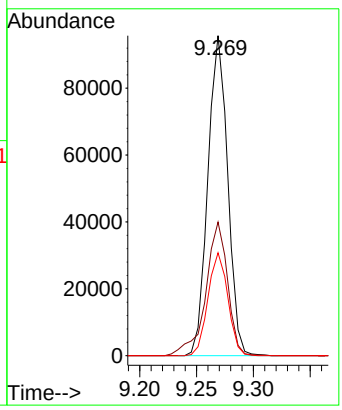




#47
2-Chloronaphthalene
Concen: 10.125 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:162 Resp: 11611

Ion	Ratio	Lower	Upper
162	100		
127	41.8	34.1	51.1
164	32.1	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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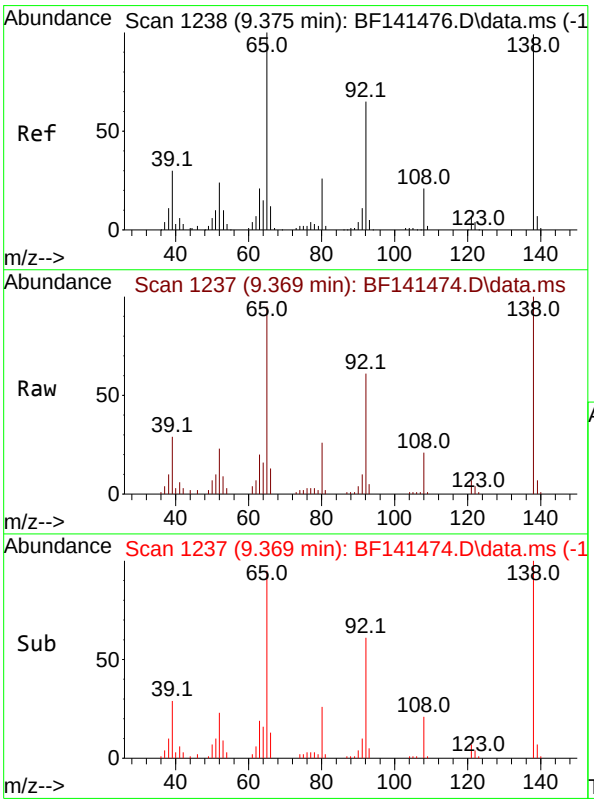
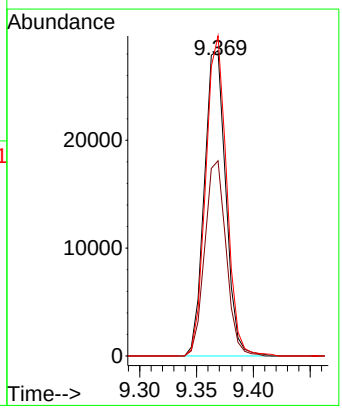
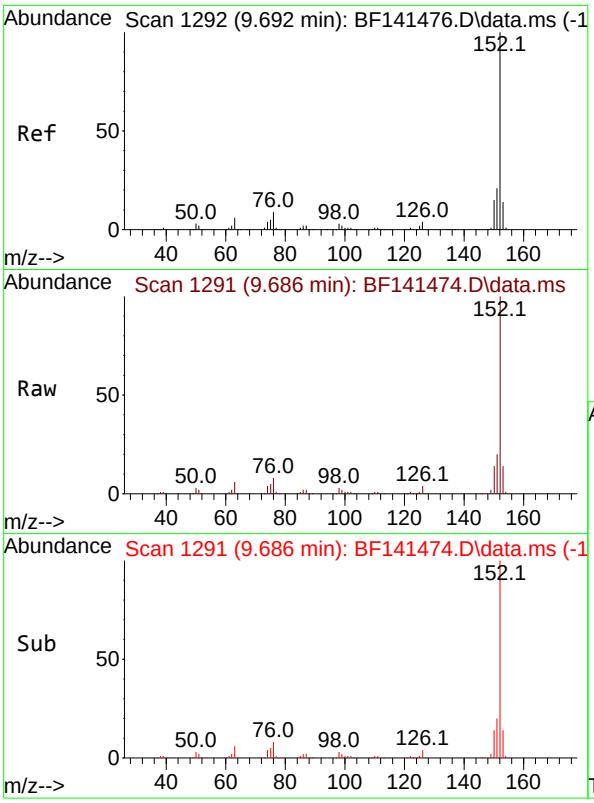


#48
2-Nitroaniline
Concen: 9.653 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 65 Resp: 37155

Ion	Ratio	Lower	Upper
65	100		
92	63.9	52.2	78.2
138	104.8	79.5	119.3

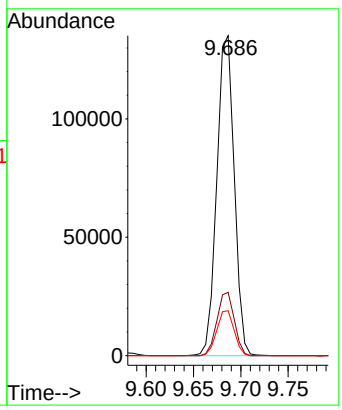




#49
Acenaphthylene
Concen: 10.179 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:152 Resp: 17364

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.4	24.6
153	14.1	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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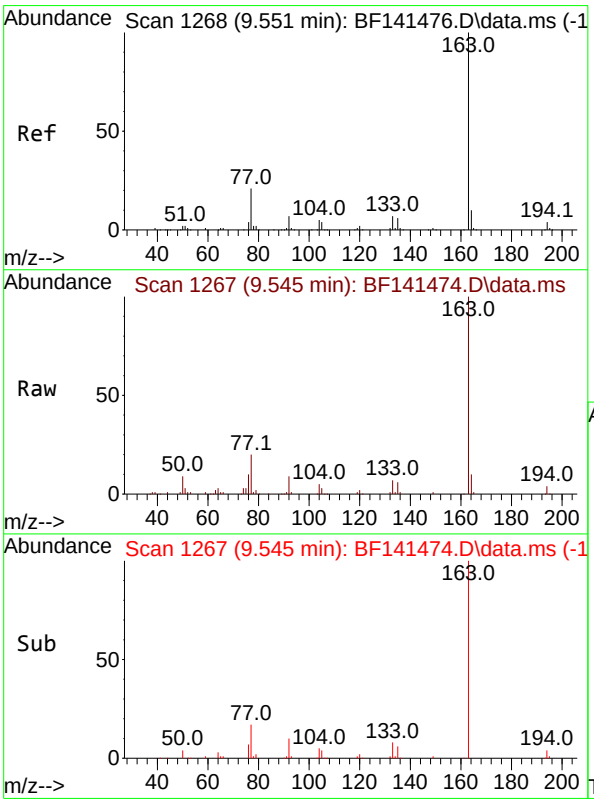
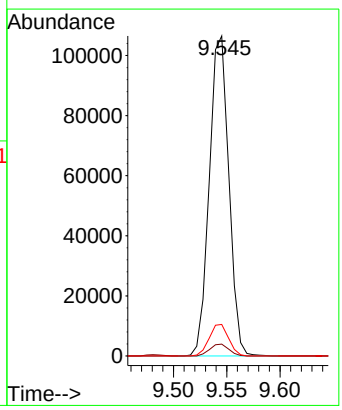
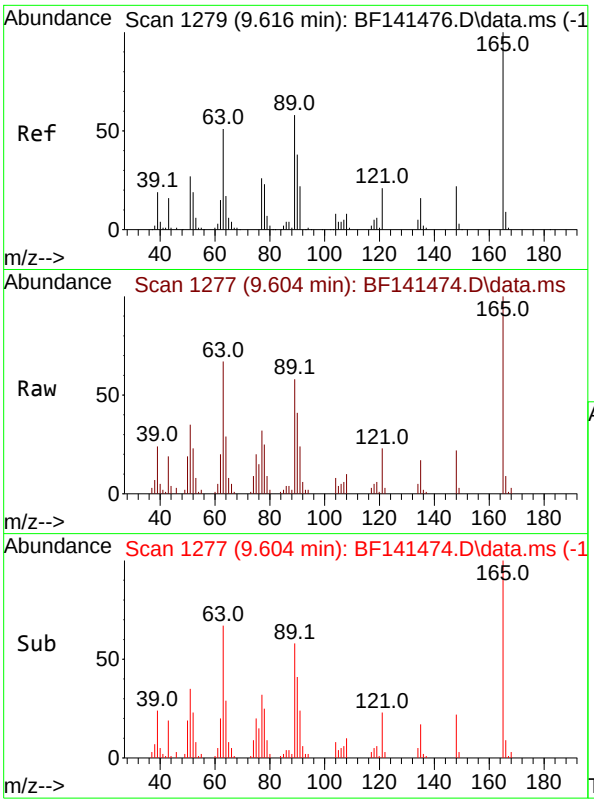


#50
Dimethylphthalate
Concen: 10.006 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:163 Resp: 135886

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.8	7.9	11.9

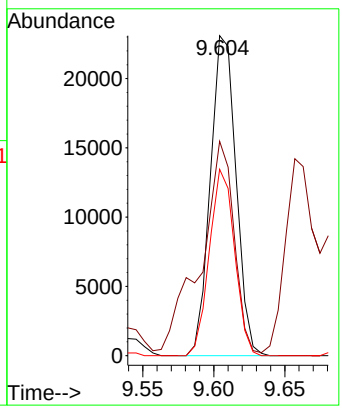




#51
2,6-Dinitrotoluene
Concen: 9.770 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:165 Resp: 2900

Ion	Ratio	Lower	Upper
165	100		
63	67.0	49.4	74.0
89	58.2	46.5	69.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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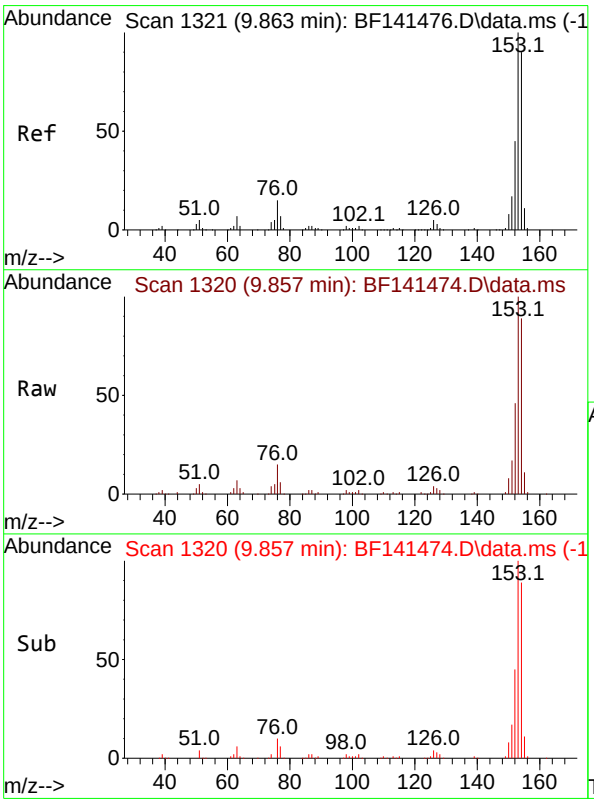
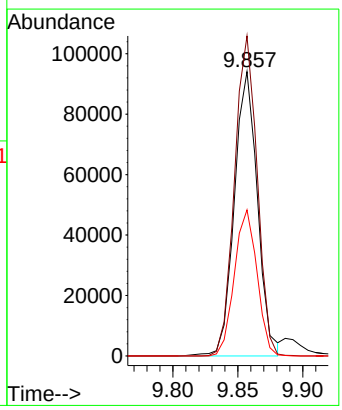
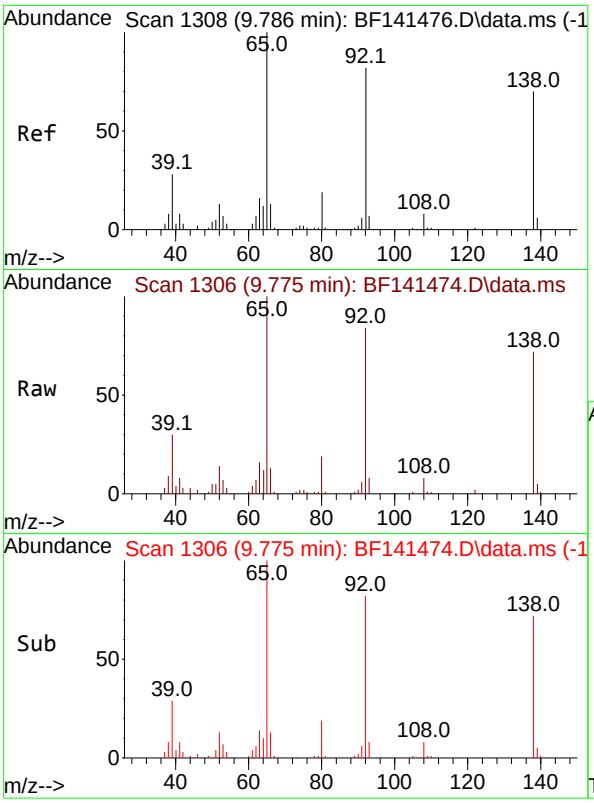


#52
Acenaphthene
Concen: 10.155 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:154 Resp: 116461

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.2	133.8
152	51.4	39.8	59.8





#53
3-Nitroaniline
Concen: 9.805 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:138 Resp: 3133

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	116.9	93.7	140.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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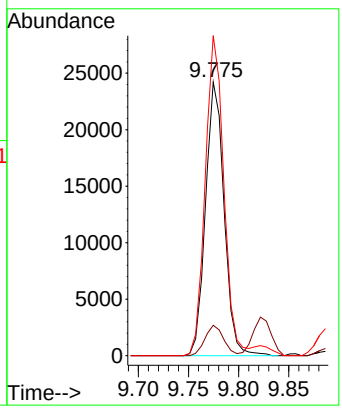
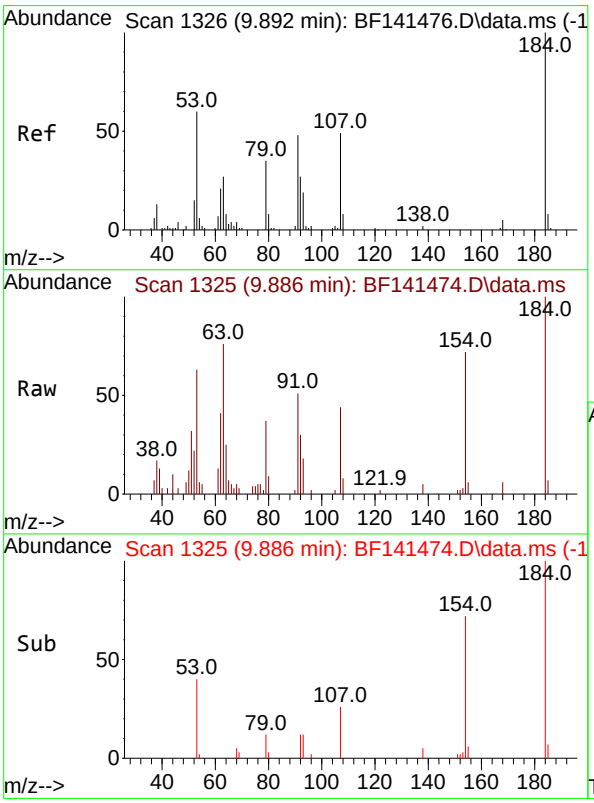
Supervised By :mohammad ahmed 02/07/2025

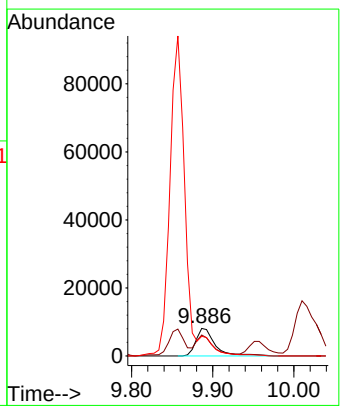


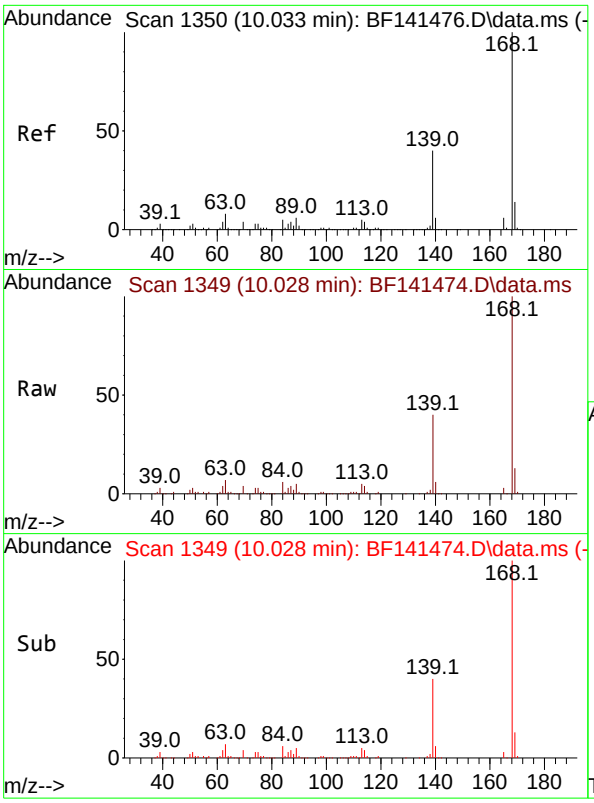


#54
2,4-Dinitrophenol
Concen: 7.561 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:184 Resp: 13341

Ion	Ratio	Lower	Upper
184	100		
63	75.9	61.0	91.6
154	71.6	59.9	89.9

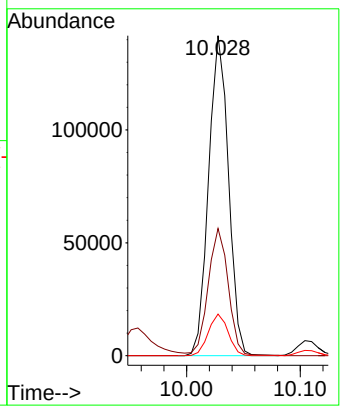




#55
Dibenzofuran
Concen: 10.230 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:168 Resp: 17220

Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.7	49.1
169	13.0	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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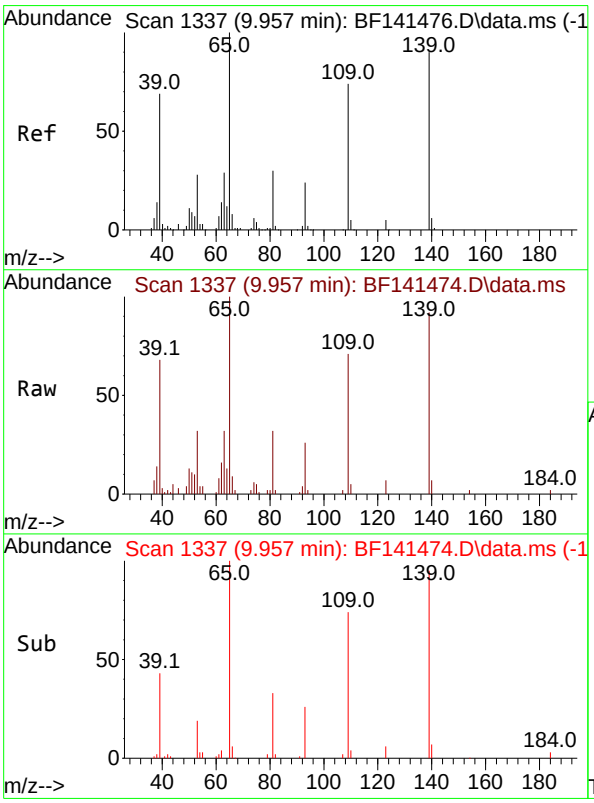
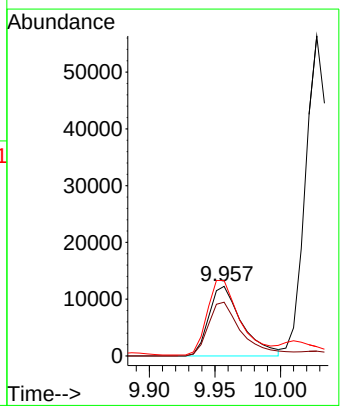
Supervised By :mohammad ahmed 02/07/2025

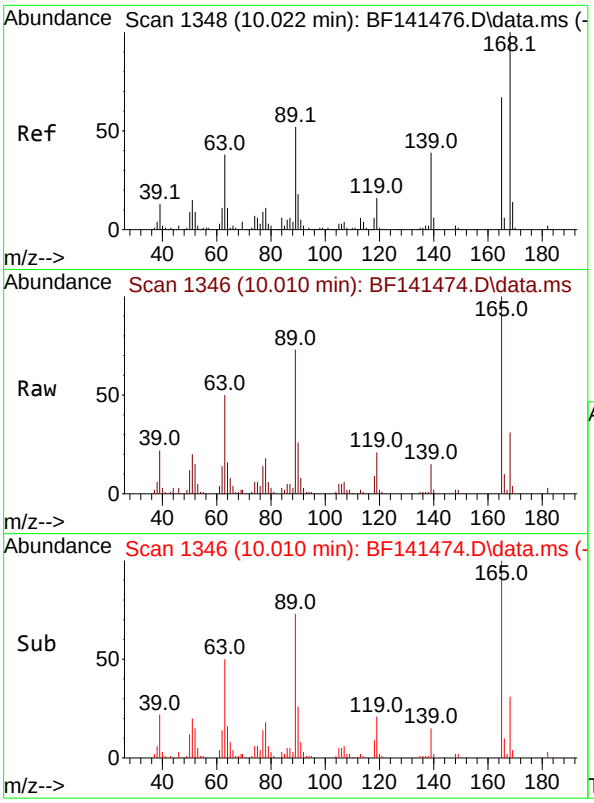


#56
4-Nitrophenol
Concen: 9.093 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:139 Resp: 21569

Ion	Ratio	Lower	Upper
139	100		
109	77.2	62.0	102.0
65	108.2	91.2	131.2

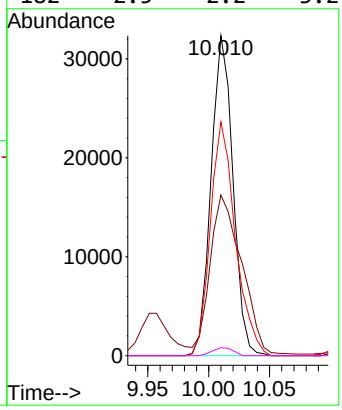




#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:165 Resp: 4030

Ion	Ratio	Lower	Upper
165	100		
63	50.1	46.4	69.6
89	73.1	61.8	92.6
182	2.5	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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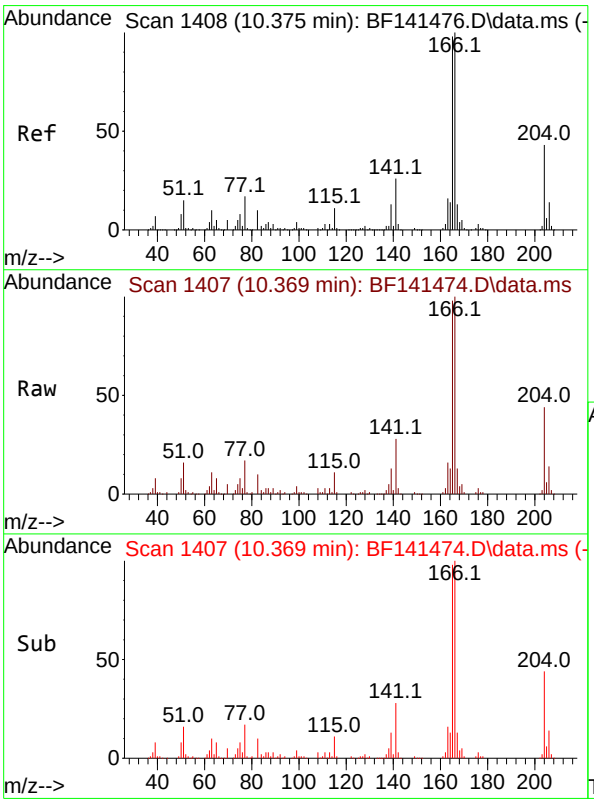
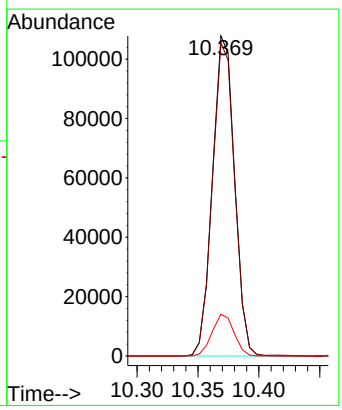
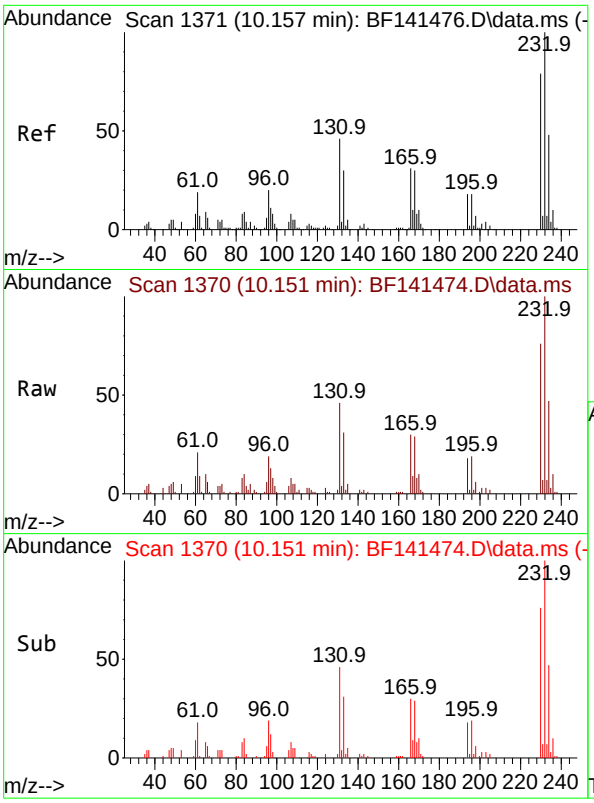


#58
Fluorene
Concen: 10.458 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:166 Resp: 136110

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.2
167	13.0	10.7	16.1

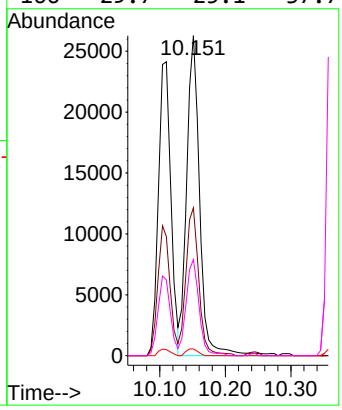




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.344 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:232 Resp: 3610

Ion	Ratio	Lower	Upper
232	100		
131	45.8	39.2	58.8
130	1.9	2.1	3.1#
166	29.7	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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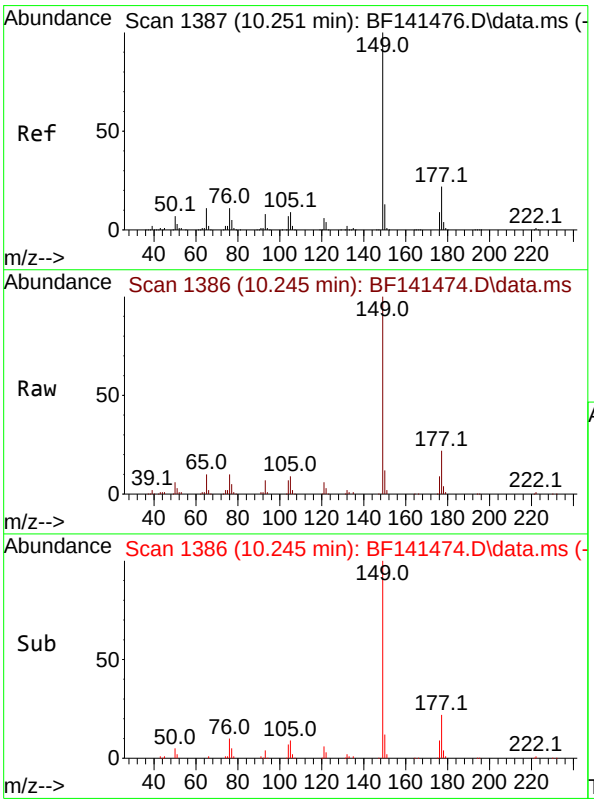
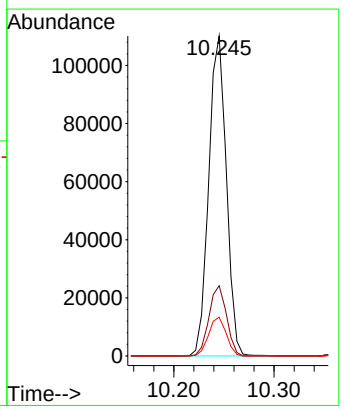
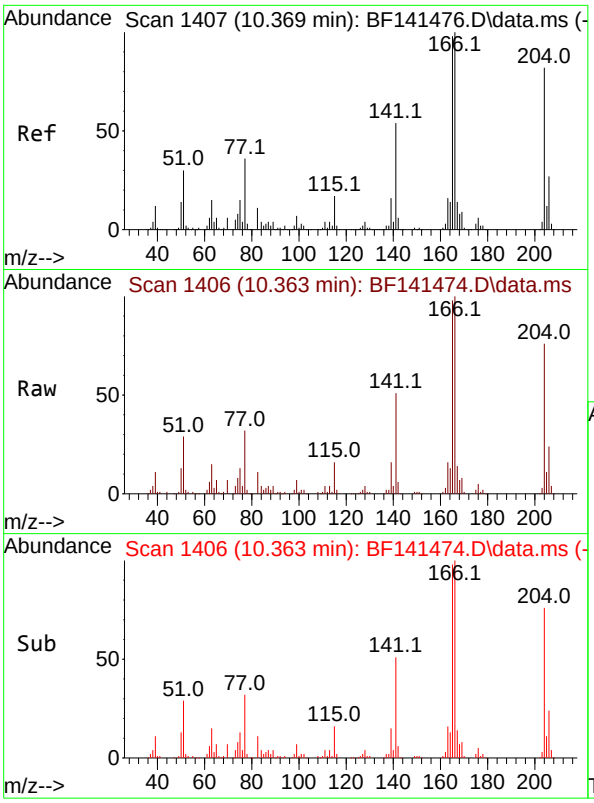


#60
Diethylphthalate
Concen: 10.073 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 134593

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.8	26.6
150	12.1	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 10.270 ng
RT: 10.363 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 6430

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.6	40.0
141	67.1	51.9	77.9

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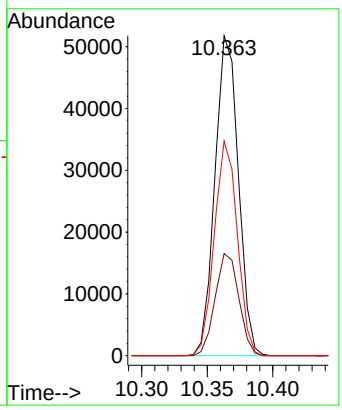
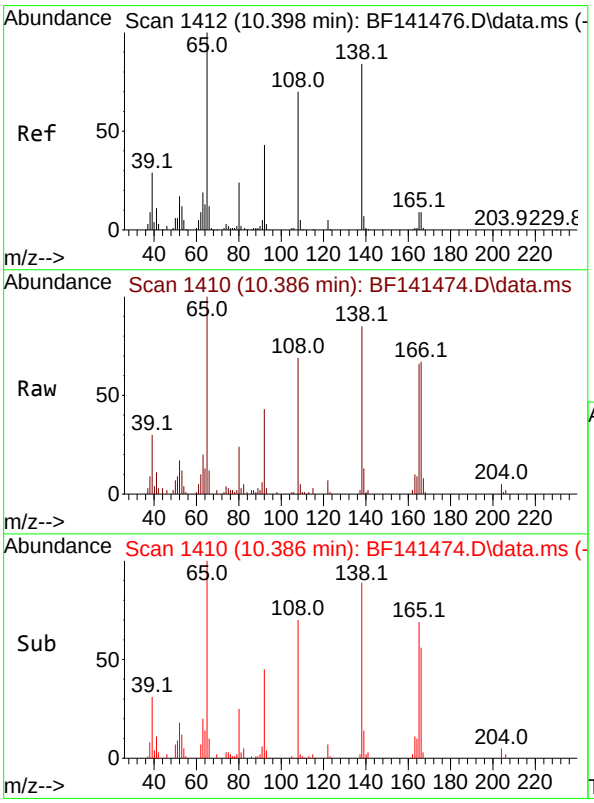
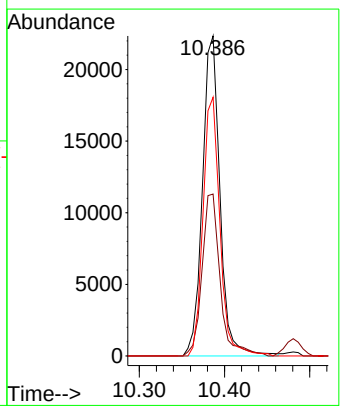


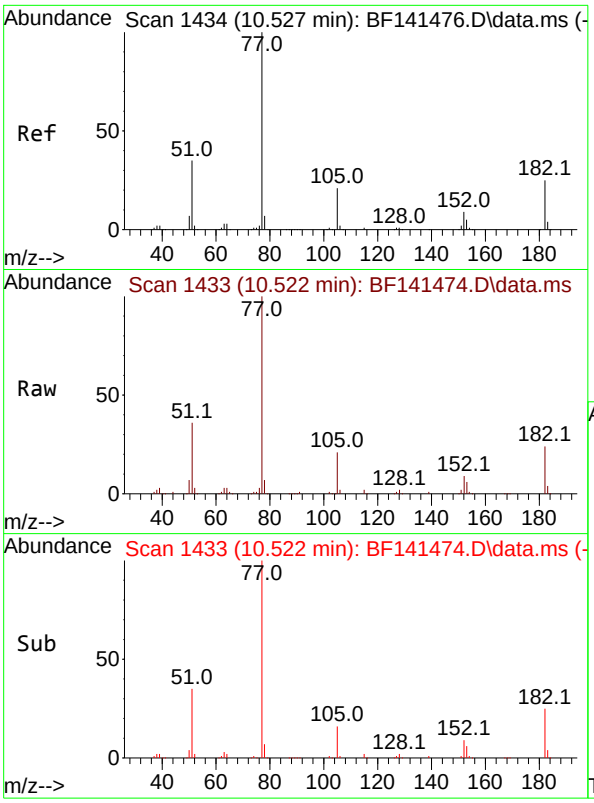


#62
4-Nitroaniline
Concen: 9.842 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:138 Resp: 31934

Ion	Ratio	Lower	Upper
138	100		
92	50.6	31.3	71.3
108	80.8	63.7	103.7

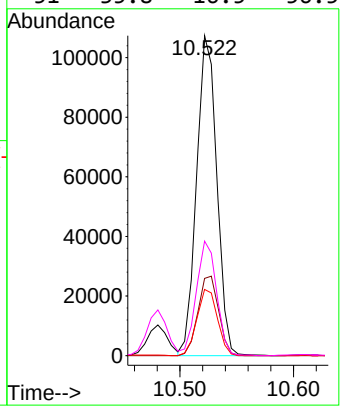




#63
Azobenzene
Concen: 10.010 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 77 Resp: 13296

Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.7	44.7
105	20.7	0.4	40.4
51	35.8	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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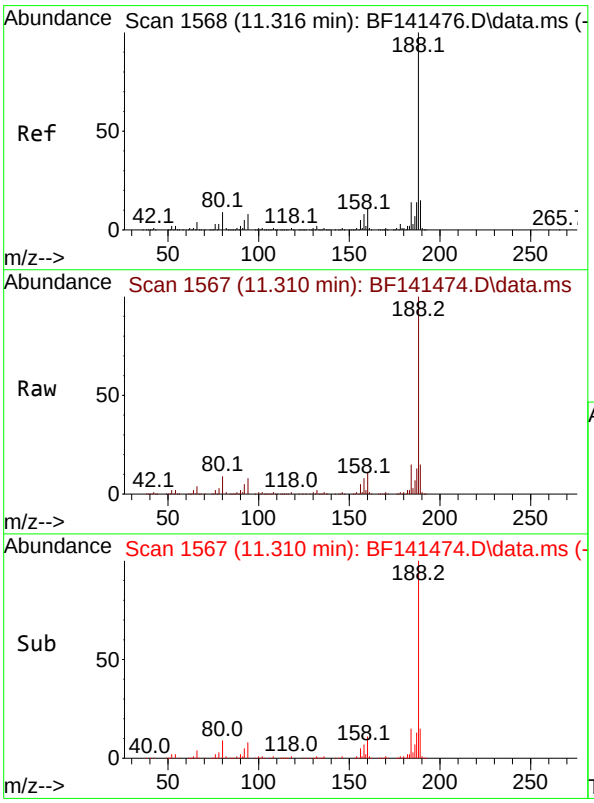
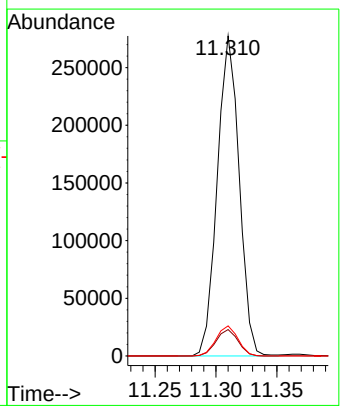
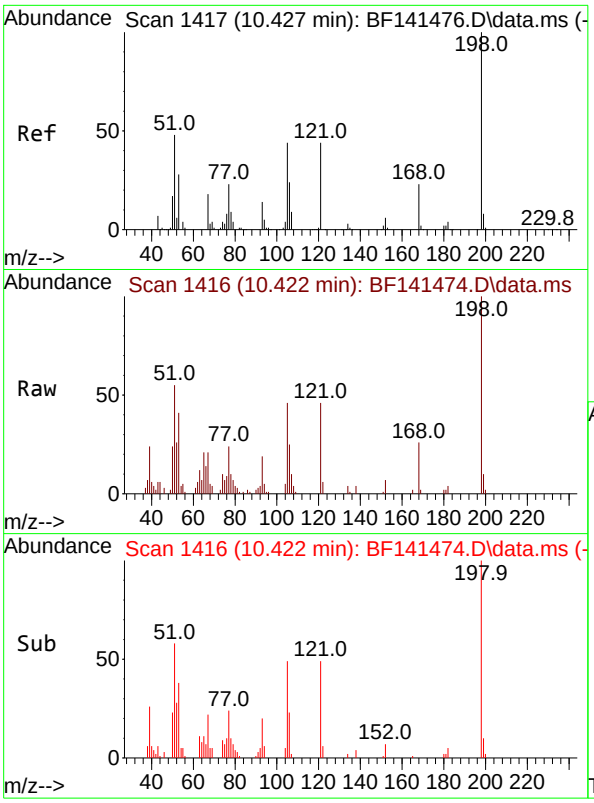


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:188 Resp: 347312

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.4	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 8.320 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:198 Resp: 2007

Ion	Ratio	Lower	Upper
198	100		
51	55.2	37.4	77.4
105	46.2	25.2	65.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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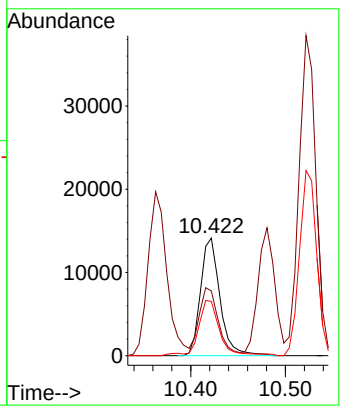
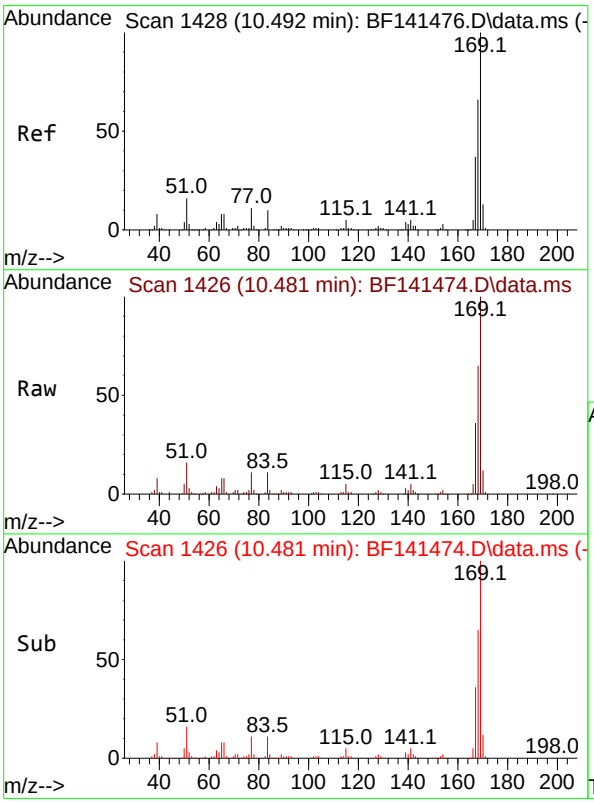
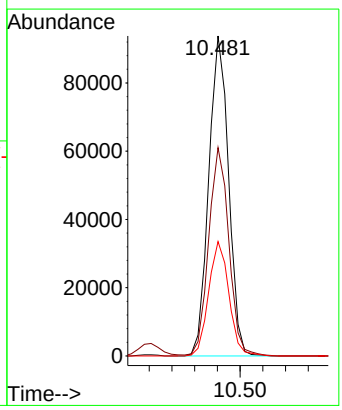


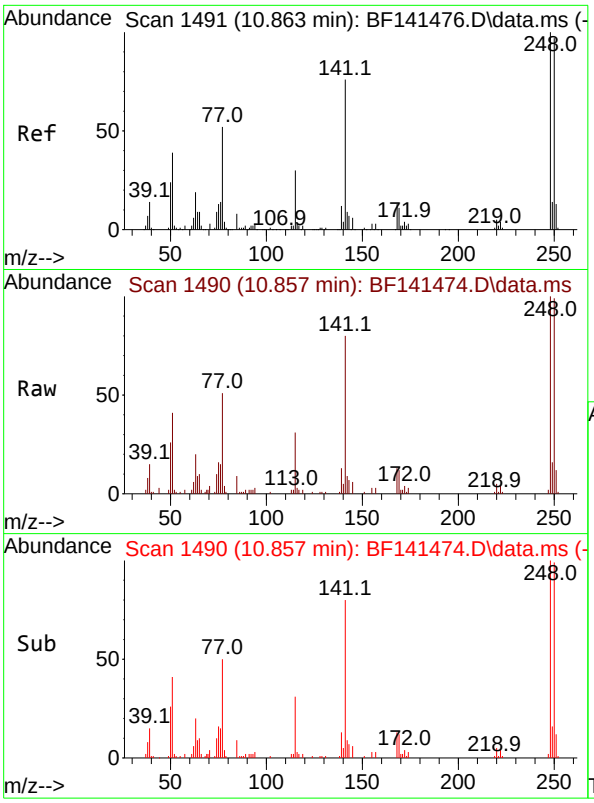


#66
n-Nitrosodiphenylamine
Concen: 10.201 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:169 Resp: 113408

Ion	Ratio	Lower	Upper
169	100		
168	65.1	53.3	79.9
167	35.7	29.4	44.2

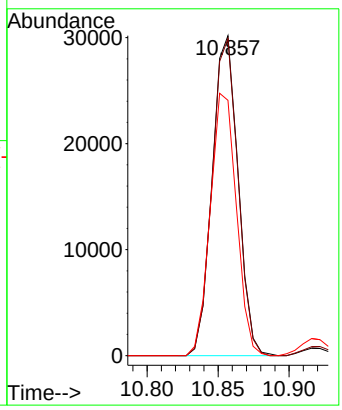




#67
4-Bromophenyl-phenylether
Concen: 9.856 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:248 Resp: 3825

Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.8	116.6
141	79.8	60.6	90.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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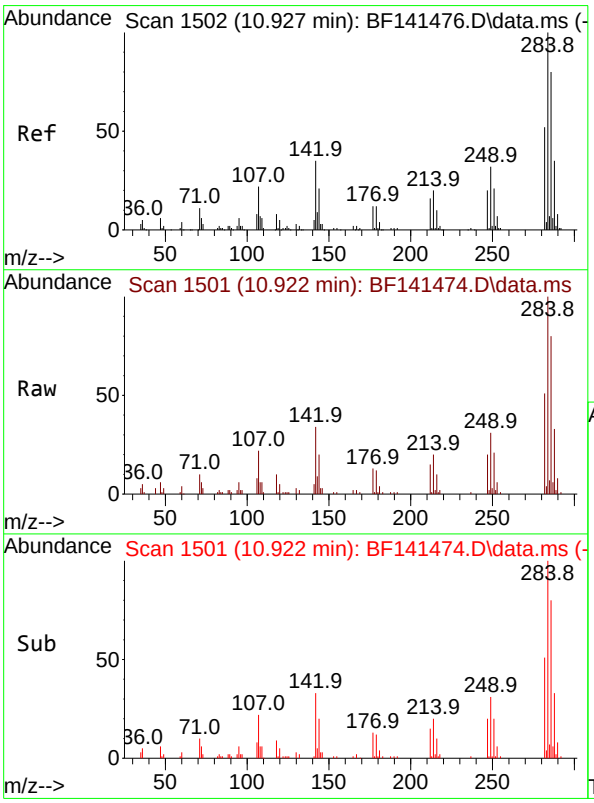
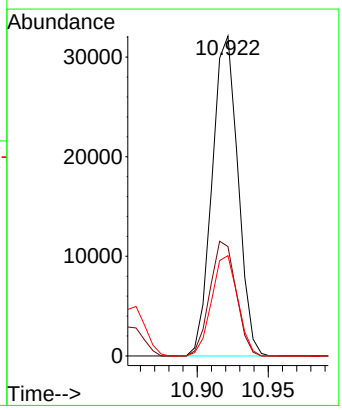
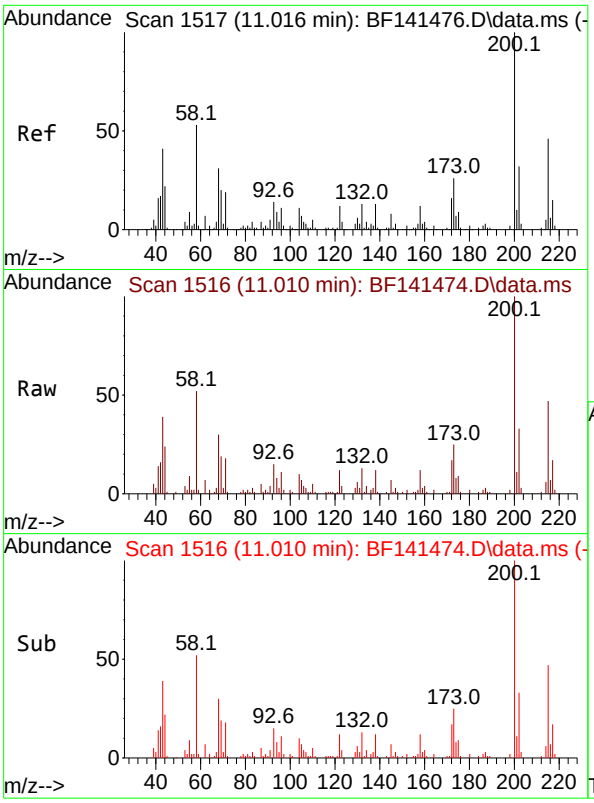


#68
Hexachlorobenzene
Concen: 10.186 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:284 Resp: 40715

Ion	Ratio	Lower	Upper
284	100		
142	34.2	28.0	42.0
249	31.3	25.8	38.8

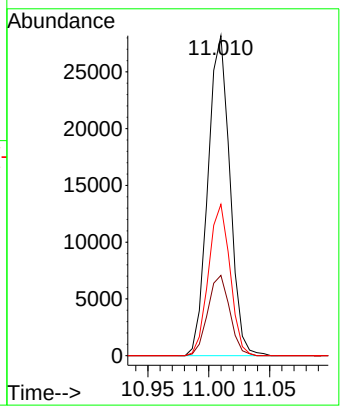




#69
Atrazine
Concen: 10.580 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:200 Resp: 3528

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.9	45.9
215	47.3	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
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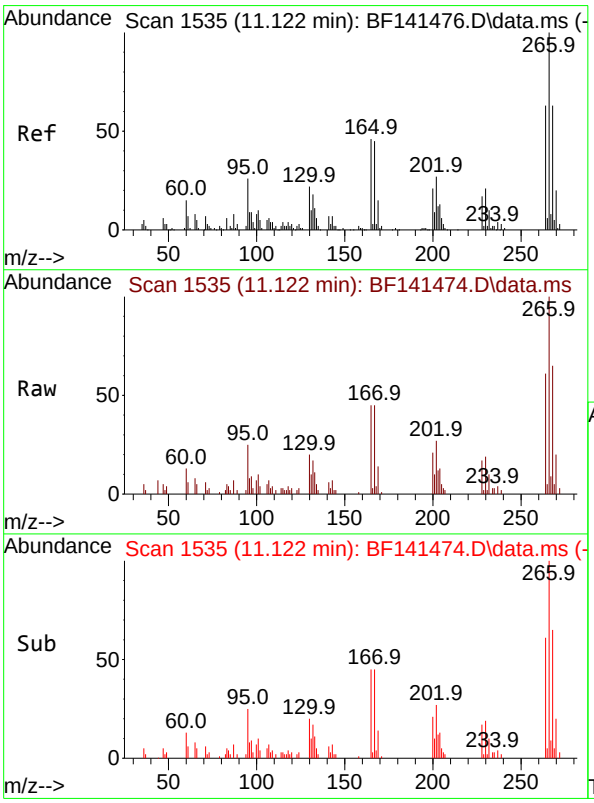
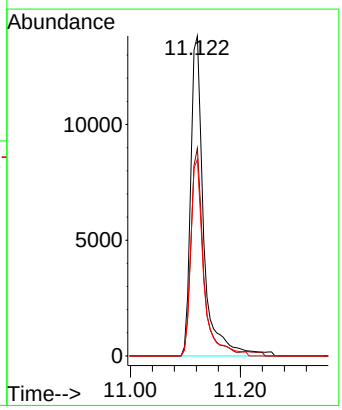
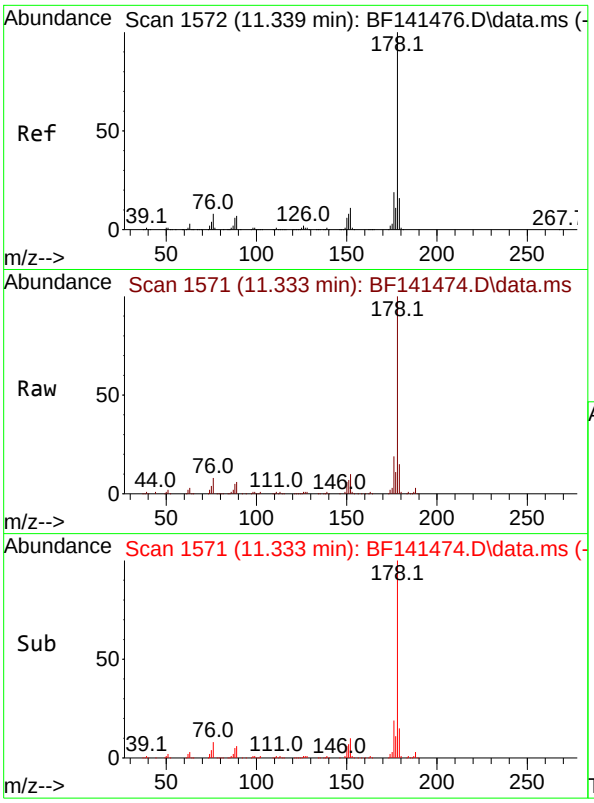


#70
Pentachlorophenol
Concen: 8.895 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:266 Resp: 22735

Ion	Ratio	Lower	Upper
266	100		
268	64.9	50.1	75.1
264	61.5	50.1	75.1

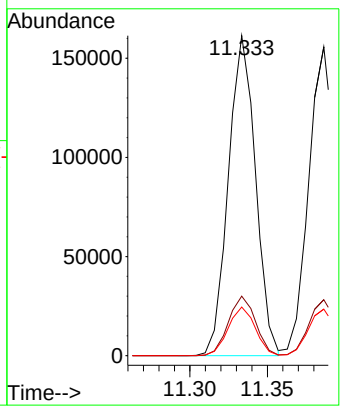




#71
Phenanthrene
Concen: 10.283 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:178 Resp: 19658

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.2	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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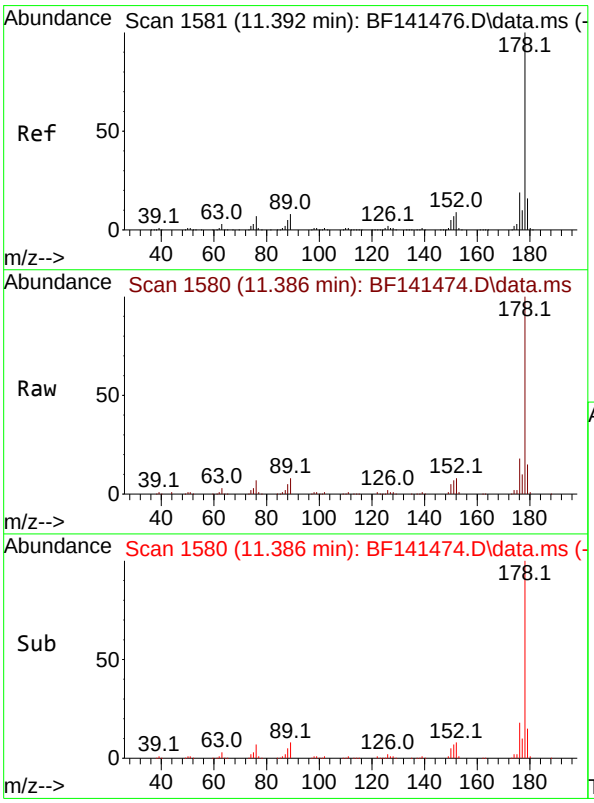
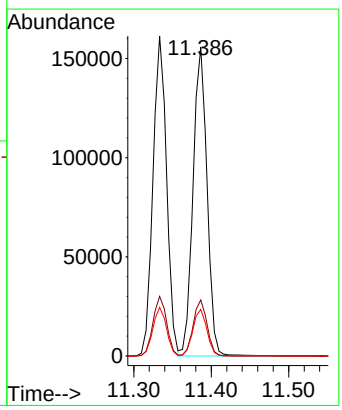
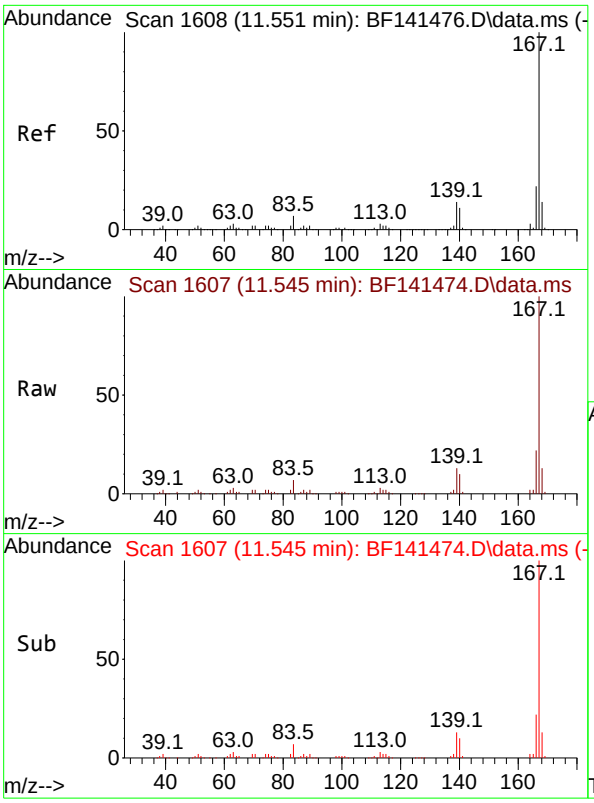


#72
Anthracene
Concen: 10.174 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:178 Resp: 195528

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.1	12.4	18.6

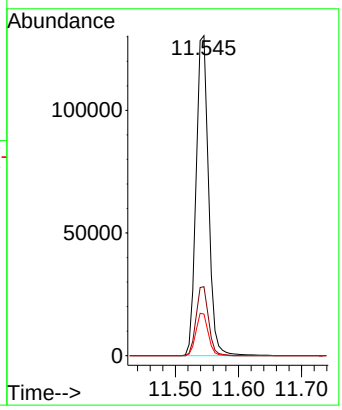




#73
Carbazole
Concen: 10.306 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:167 Resp: 17822

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.0	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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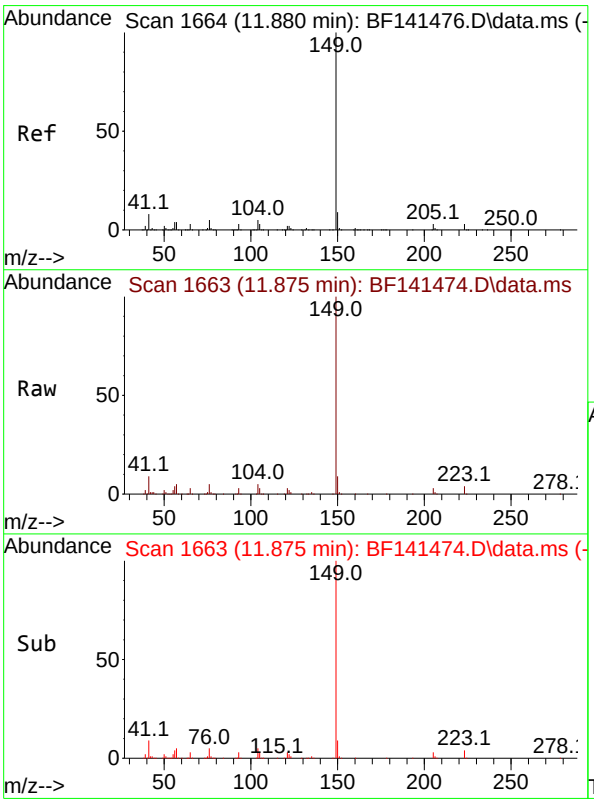
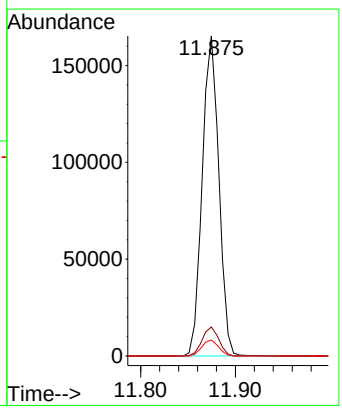
Supervised By :mohammad ahmed 02/07/2025

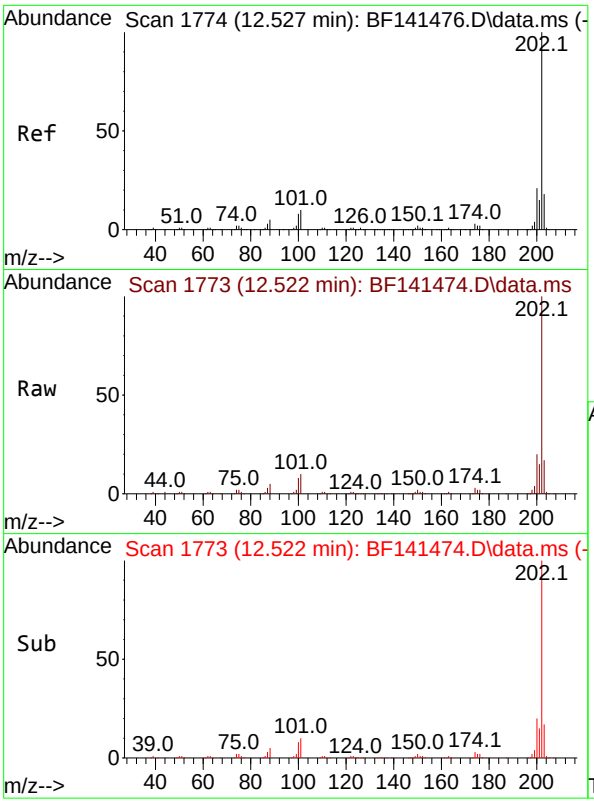


#74
Di-n-butylphthalate
Concen: 10.057 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 200806

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2

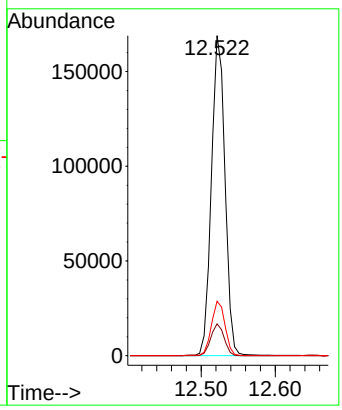




#75
Fluoranthene
Concen: 10.618 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:202 Resp: 21521

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.0	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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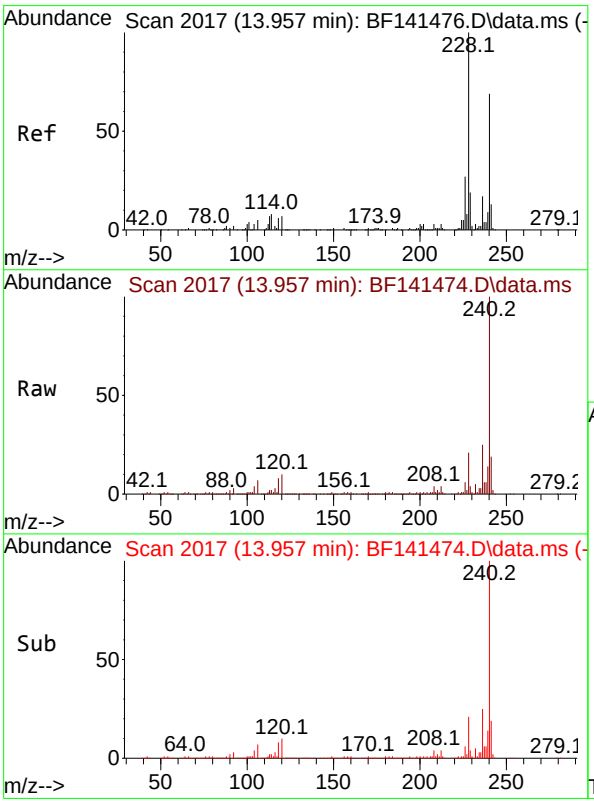
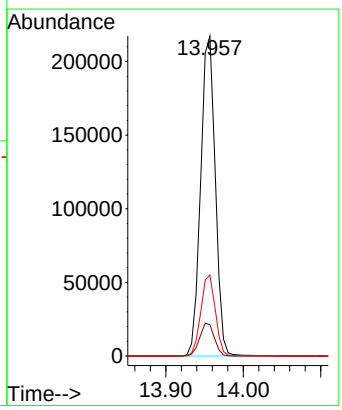
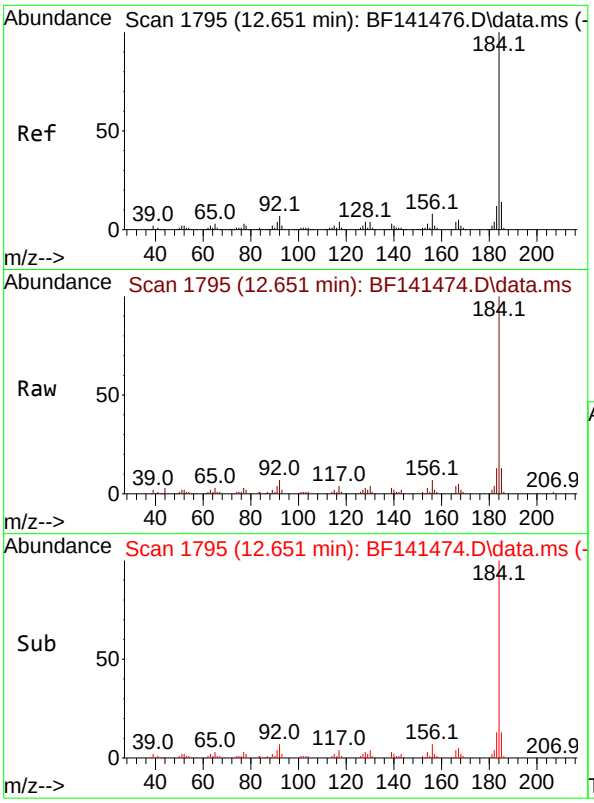


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:240 Resp: 284792

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.3	19.8	29.8

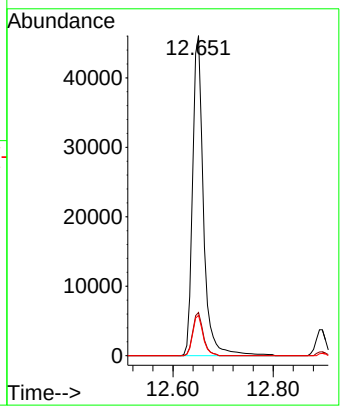




#77
Benzidine
Concen: 11.050 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:184 Resp: 6940

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.3	16.9
183	12.6	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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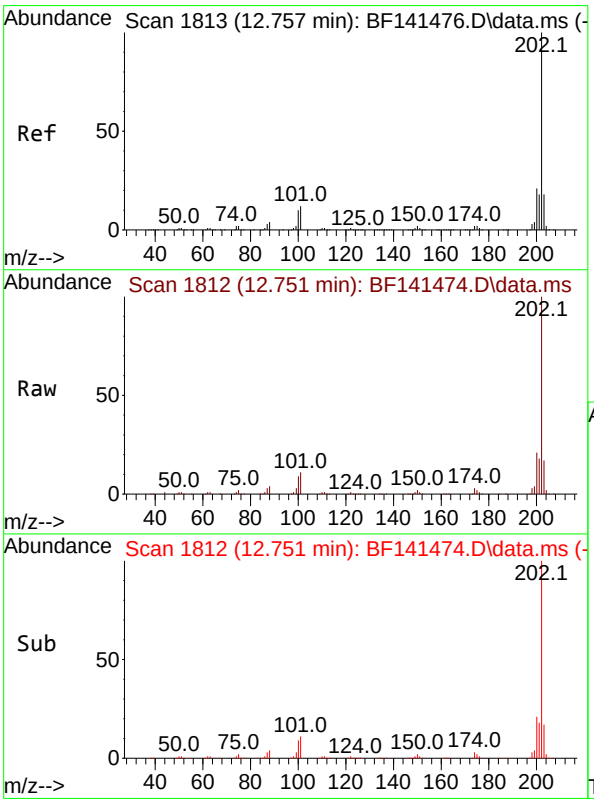
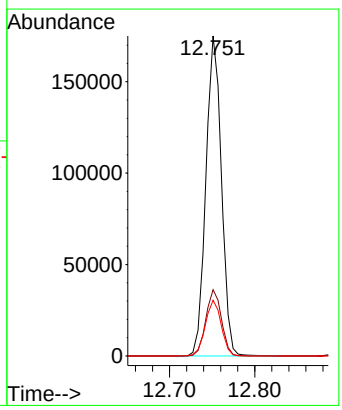
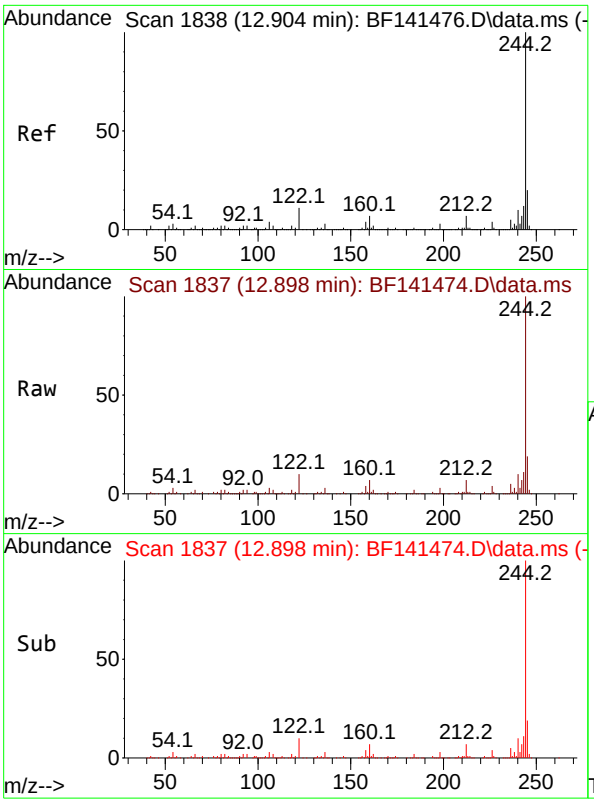


#78
Pyrene
Concen: 9.146 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:202 Resp: 221721

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.4	14.3	21.5

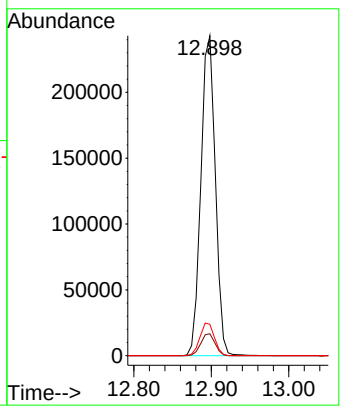




#79
Terphenyl-d14
Concen: 18.645 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:244 Resp: 31454

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.8	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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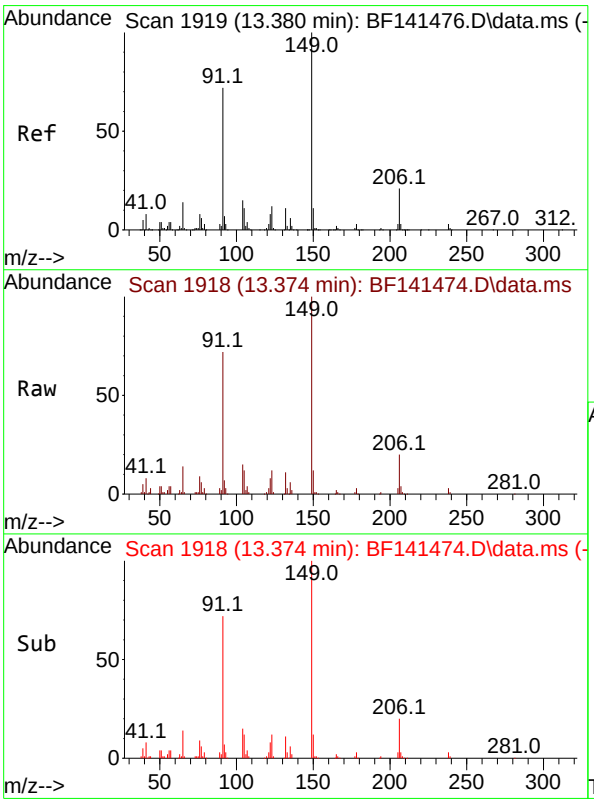
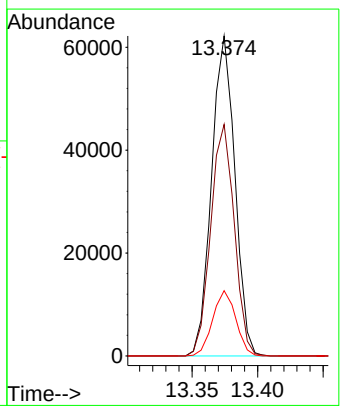
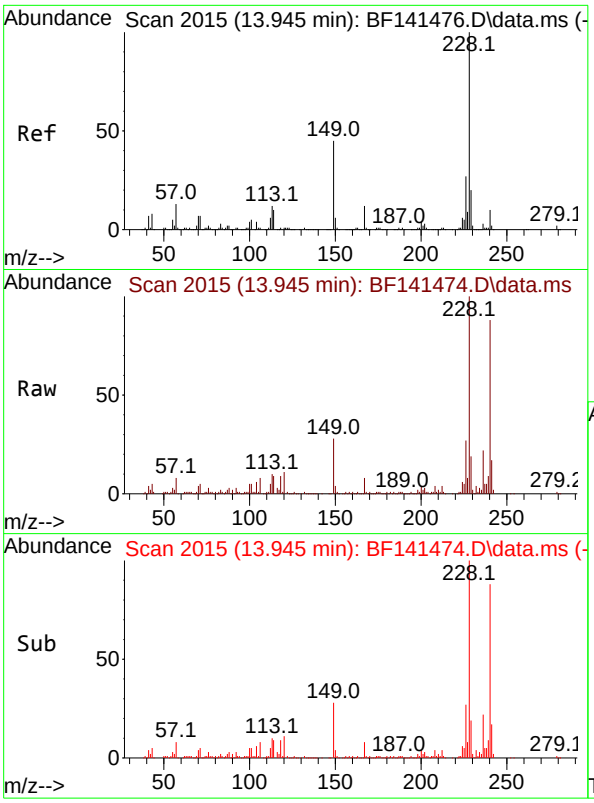


#80
Butylbenzylphthalate
Concen: 9.152 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 76852

Ion	Ratio	Lower	Upper
149	100		
91	72.3	57.8	86.8
206	20.4	16.7	25.1

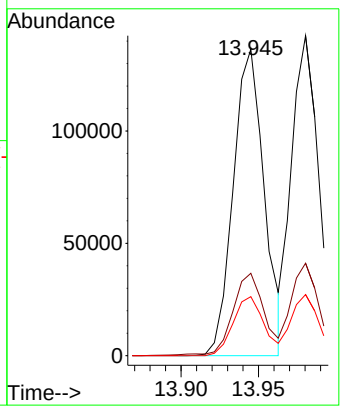




#81
Benzo(a)anthracene
Concen: 10.021 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:228 Resp: 18970

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.3	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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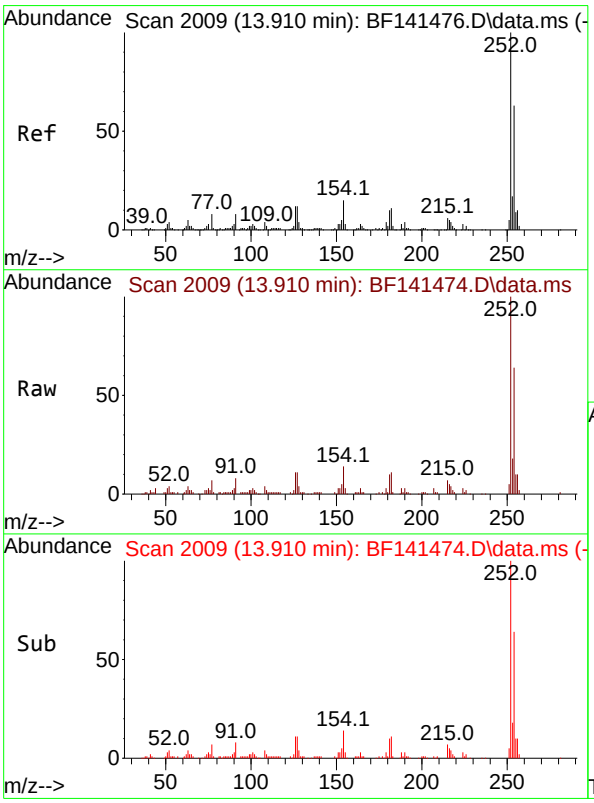
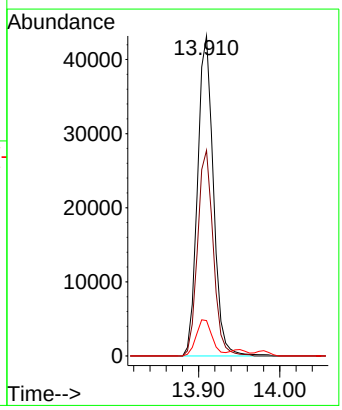
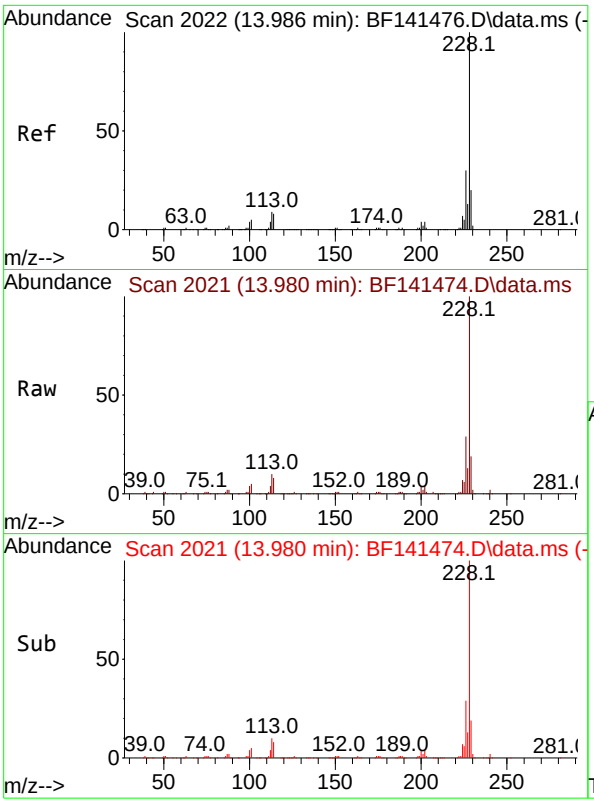


#82
3,3'-Dichlorobenzidine
Concen: 10.785 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 58487

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.6	76.0
126	11.1	9.3	13.9

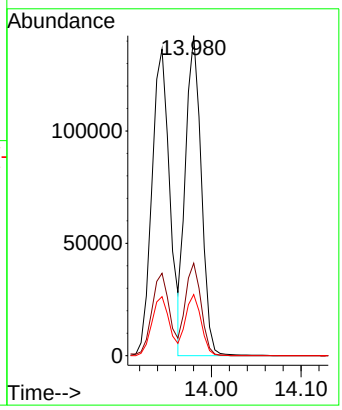




#83
Chrysene
Concen: 9.960 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:228 Resp: 17410

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.0	36.0
229	19.1	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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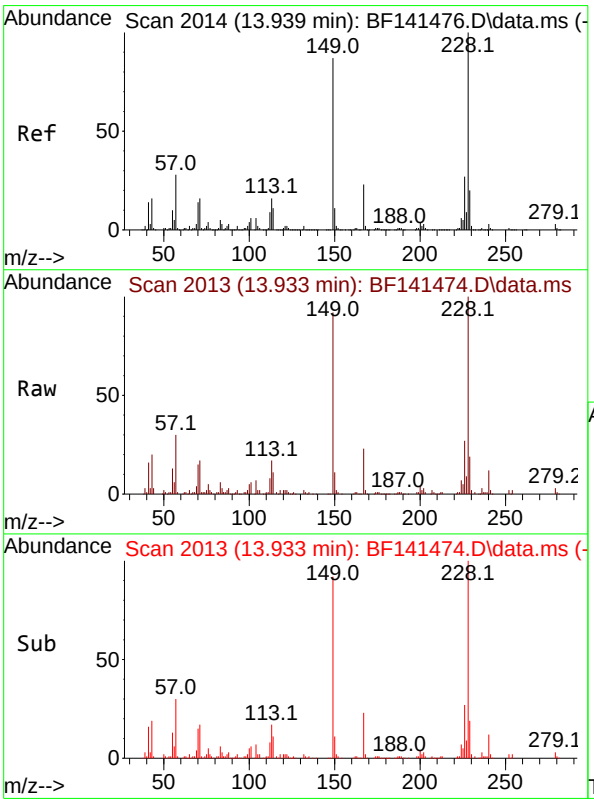
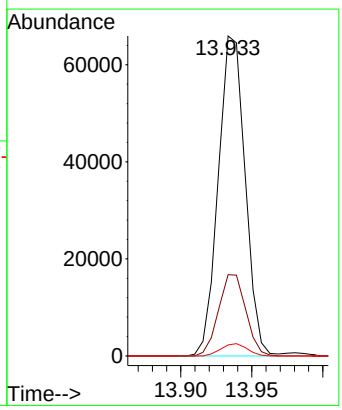
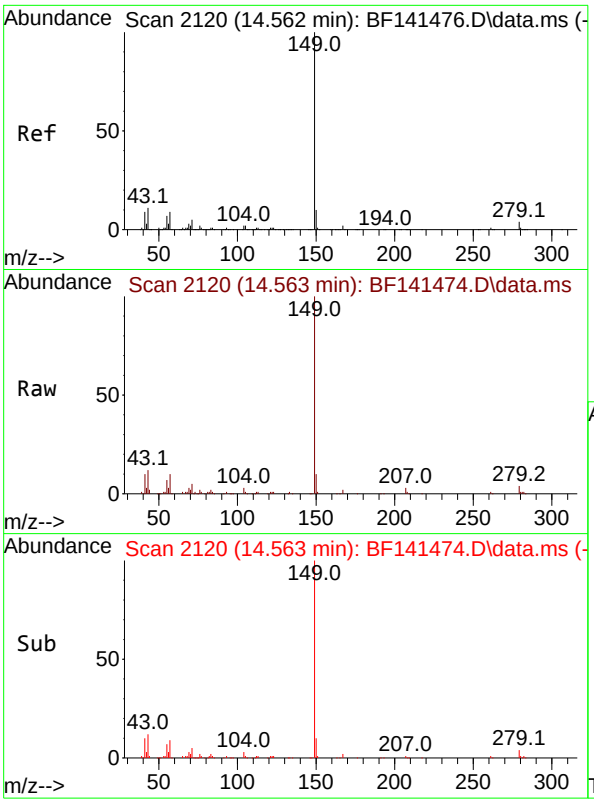


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.171 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 86853

Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.4	32.0
279	3.5	3.1	4.7

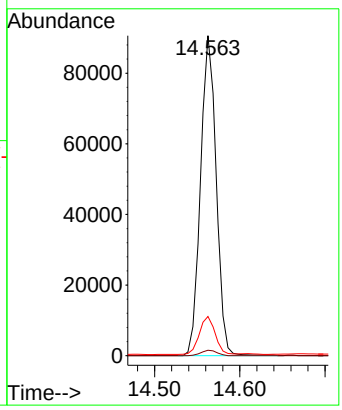




#85
Di-n-octyl phthalate
Concen: 8.576 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 11587

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	12.1	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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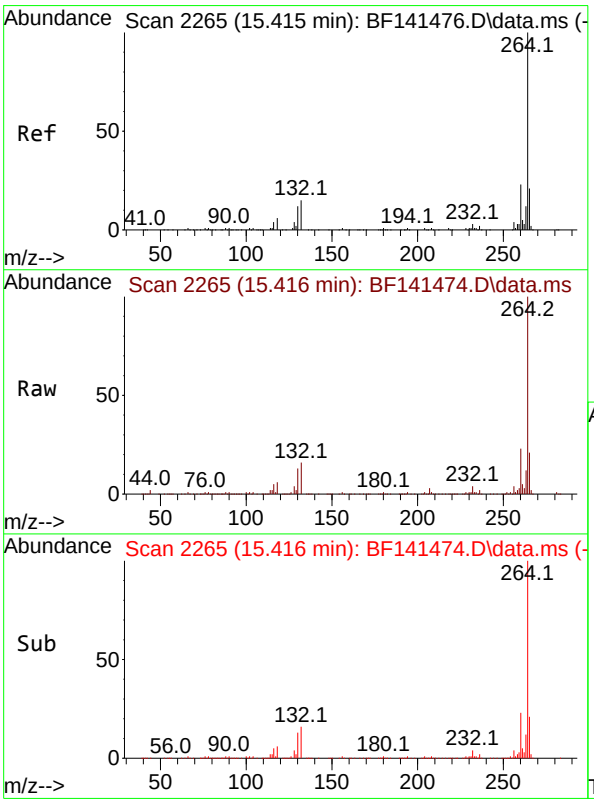
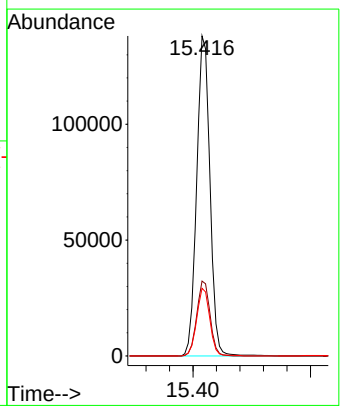
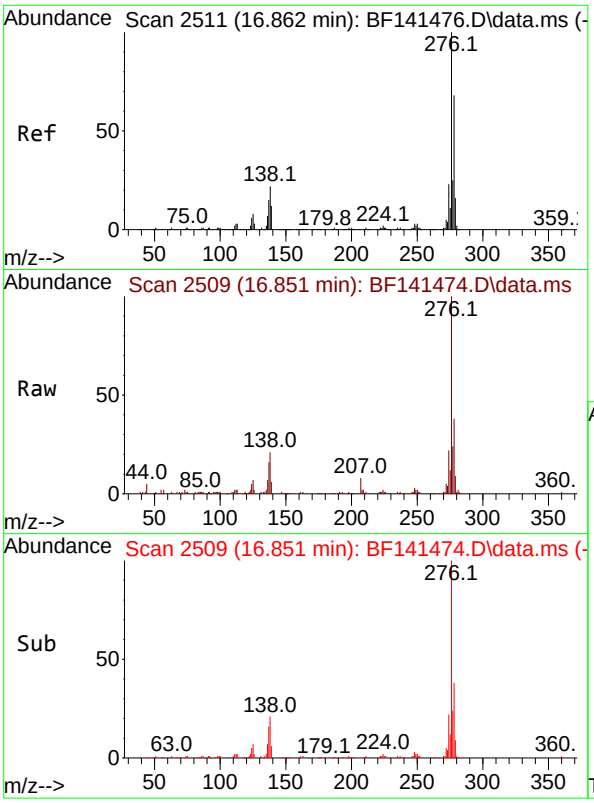


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:264 Resp: 215900

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.2	17.0	25.4

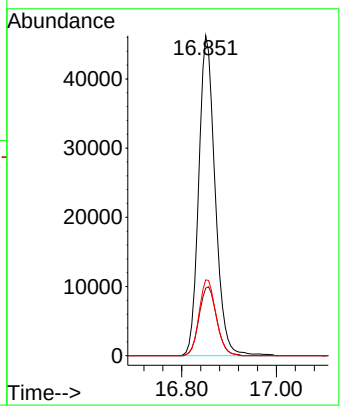




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.327 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:276 Resp: 11108

Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.0	27.0
277	24.5	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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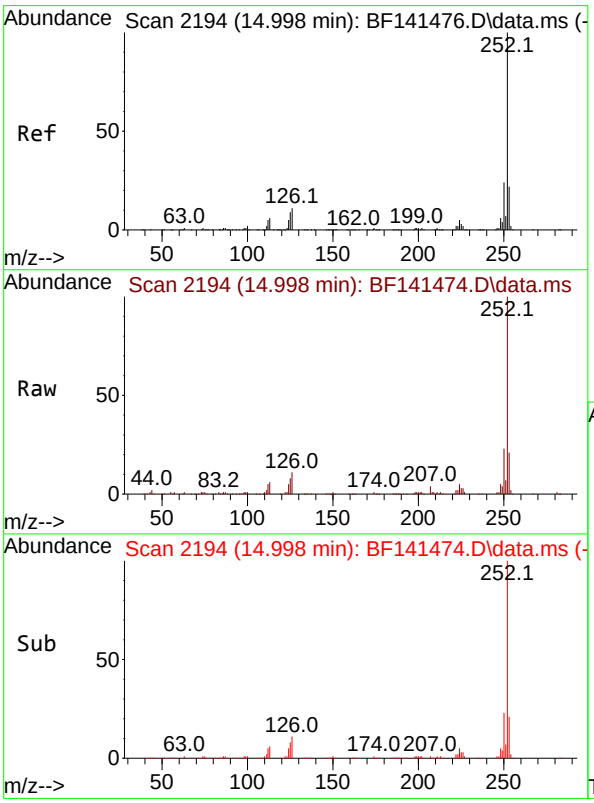
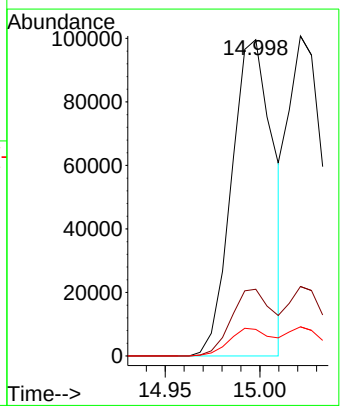
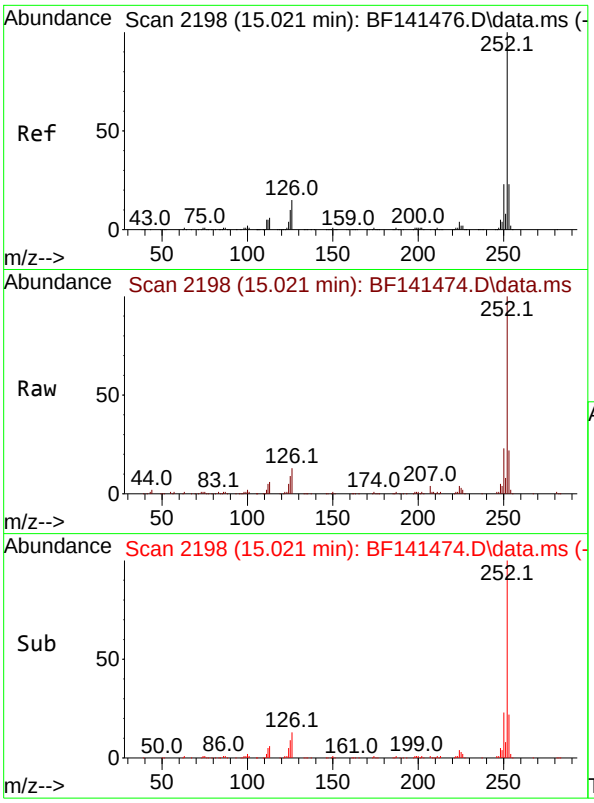


#88
Benzo(b)fluoranthene
Concen: 10.476 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 151861

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	8.4	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 10.604 ng
RT: 15.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 13126

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	9.1	7.4	11.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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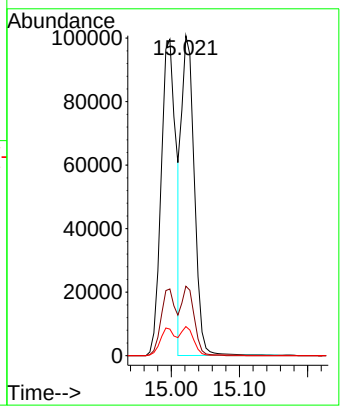
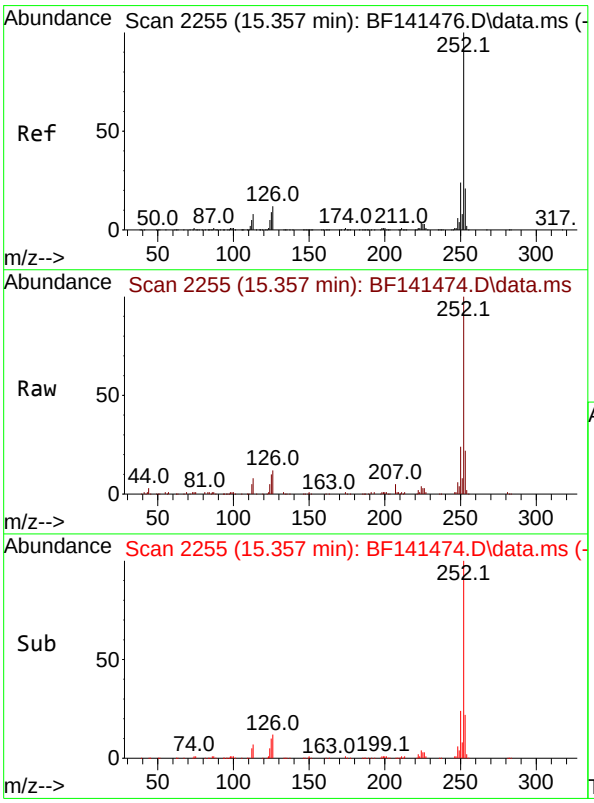
Supervised By :mohammad ahmed 02/07/2025

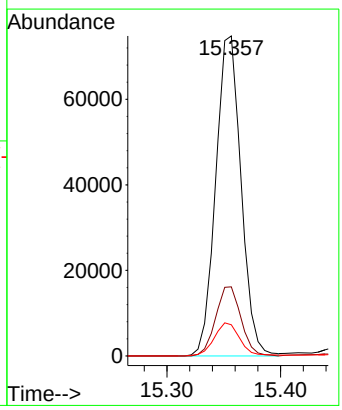


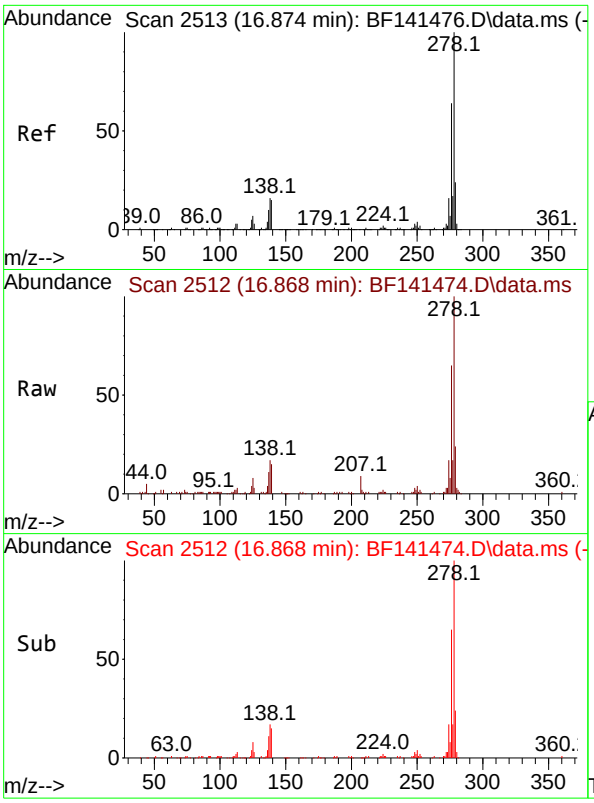


#90
Benzo(a)pyrene
Concen: 9.885 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 115948

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.8	7.4	11.2

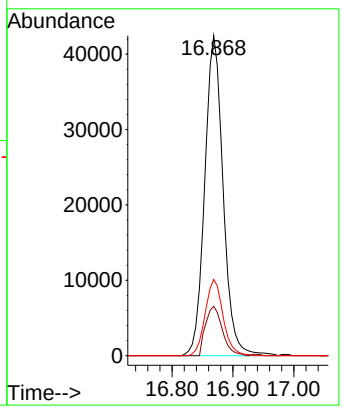




#91
Dibenzo(a,h)anthracene
Concen: 8.271 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:278 Resp: 8940

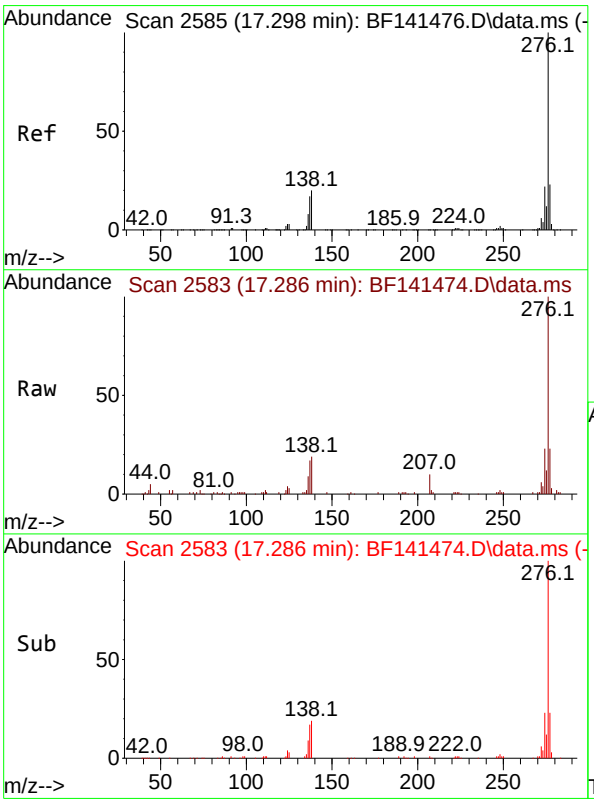
Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.8	17.6
279	23.8	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

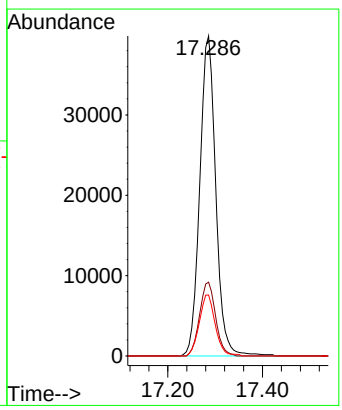
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#92
Benzo(g,h,i)perylene
Concen: 8.243 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:276 Resp: 93242

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	19.0	15.9	23.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	86149	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348017	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193091	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	333651	20.000	ng	0.00
76) Chrysene-d12	13.957	240	251741	20.000	ng	0.00
86) Perylene-d12	15.416	264	191435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	235106	42.785	ng	0.00
7) Phenol-d6	6.422	99	293602	42.273	ng	-0.02
23) Nitrobenzene-d5	7.351	82	275773	41.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	80912	41.714	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	534841	42.674	ng	0.00
79) Terphenyl-d14	12.898	244	609819	40.894	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	45027	20.359	ng	98
3) Pyridine	3.211	79	112903	21.453	ng	96
4) n-Nitrosodimethylamine	3.152	42	70658	20.276	ng	98
6) Aniline	6.446	93	142156	21.820	ng	97
8) 2-Chlorophenol	6.575	128	124573	20.980	ng	98
9) Benzaldehyde	6.340	77	84531	22.903	ng	98
10) Phenol	6.440	94	156515	21.652	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	111675	20.568	ng	98
12) 1,3-Dichlorobenzene	6.728	146	133906	21.362	ng	99
13) 1,4-Dichlorobenzene	6.804	146	135357	21.134	ng	99
14) 1,2-Dichlorobenzene	6.957	146	126931	21.354	ng	99
15) Benzyl Alcohol	6.928	79	113901	21.386	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	199281	21.441	ng	99
17) 2-Methylphenol	7.046	107	96607	20.792	ng	99
18) Hexachloroethane	7.298	117	50745	21.409	ng	99
19) n-Nitroso-di-n-propyla...	7.199	70	89512	21.546	ng	99
20) 3+4-Methylphenols	7.199	107	125707	21.287	ng	91
22) Acetophenone	7.199	105	181333	20.946	ng	100
24) Nitrobenzene	7.369	77	133285	20.485	ng	99
25) Isophorone	7.604	82	220291	20.706	ng	99
26) 2-Nitrophenol	7.687	139	66195	20.449	ng	98
27) 2,4-Dimethylphenol	7.728	122	76751	20.296	ng	97
28) bis(2-Chloroethoxy)met...	7.822	93	142151	20.852	ng	99
29) 2,4-Dichlorophenol	7.934	162	108456	21.227	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	115050	20.678	ng	100
31) Naphthalene	8.093	128	381547	21.062	ng	99
32) Benzoic acid	7.828	122	75462	19.212	ng	99
33) 4-Chloroaniline	8.146	127	132911	21.014	ng	98
34) Hexachlorobutadiene	8.210	225	69492	20.804	ng	98
35) Caprolactam	8.498	113	32746	21.050	ng	97
36) 4-Chloro-3-methylphenol	8.628	107	119021	21.029	ng	99
37) 2-Methylnaphthalene	8.781	142	250365	21.238	ng	98
38) 1-Methylnaphthalene	8.881	142	240408	21.056	ng	99
40) 1,2,4,5-Tetrachloroben...	8.945	216	115936	20.753	ng	99
41) Hexachlorocyclopentadiene	8.934	237	34729	18.691	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	75161	20.817	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	83112	21.240	ng	97
46) 1,1'-Biphenyl	9.245	154	315040	21.045	ng	99
47) 2-Chloronaphthalene	9.269	162	233789	21.119	ng	99
48) 2-Nitroaniline	9.369	65	75990	20.455	ng	99
49) Acenaphthylene	9.687	152	345829	21.004	ng	99
50) Dimethylphthalate	9.545	163	271920	20.744	ng	100
51) 2,6-Dinitrotoluene	9.610	165	60700	21.182	ng	98
52) Acenaphthene	9.857	154	229442m	20.728	ng	
53) 3-Nitroaniline	9.781	138	64626	20.954	ng	96
54) 2,4-Dinitrophenol	9.887	184	32186	18.898	ng	98
55) Dibenzofuran	10.028	168	342620	21.087	ng	100
56) 4-Nitrophenol	9.951	139	47721	20.843	ng	96
57) 2,4-Dinitrotoluene	10.016	165	79865	20.936	ng	95
58) Fluorene	10.375	166	265810	21.159	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	69328	20.579	ng	100
60) Diethylphthalate	10.245	149	270018	20.936	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	127216	21.049	ng	97
62) 4-Nitroaniline	10.387	138	64262	20.519	ng	98
63) Azobenzene	10.528	77	267372	20.853	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	46877	20.226	ng	99
66) n-Nitrosodiphenylamine	10.487	169	224776	21.045	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	78167	20.962	ng	97
68) Hexachlorobenzene	10.922	284	80301	20.913	ng	97
69) Atrazine	11.010	200	71359	22.271	ng	97
70) Pentachlorophenol	11.122	266	50539	20.584	ng	98
71) Phenanthrene	11.339	178	387256	21.085	ng	99
72) Anthracene	11.386	178	386414	20.930	ng	100
73) Carbazole	11.545	167	358987	21.610	ng	99
74) Di-n-butylphthalate	11.875	149	408041	21.273	ng	100
75) Fluoranthene	12.528	202	414712	21.298	ng	99
77) Benzidine	12.651	184	84013	15.132	ng	98
78) Pyrene	12.757	202	432216	20.169	ng	99
80) Butylbenzylphthalate	13.375	149	152184	20.502	ng	99
81) Benzo(a)anthracene	13.945	228	339877	20.310	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	102367	21.355	ng	98
83) Chrysene	13.980	228	330823	21.411	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	172352	20.588	ng	99
85) Di-n-octyl phthalate	14.563	149	229060	19.180	ng	99
87) Indeno(1,2,3-cd)pyrene	16.857	276	227105	19.200	ng	99
88) Benzo(b)fluoranthene	14.998	252	267695	20.826	ng	100
89) Benzo(k)fluoranthene	15.022	252	238695	21.747	ng	97
90) Benzo(a)pyrene	15.357	252	213510	20.528	ng	100
91) Dibenzo(a,h)anthracene	16.868	278	185740	19.379	ng	98
92) Benzo(g,h,i)perylene	17.286	276	191595	19.103	ng	99

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

ICAL Form

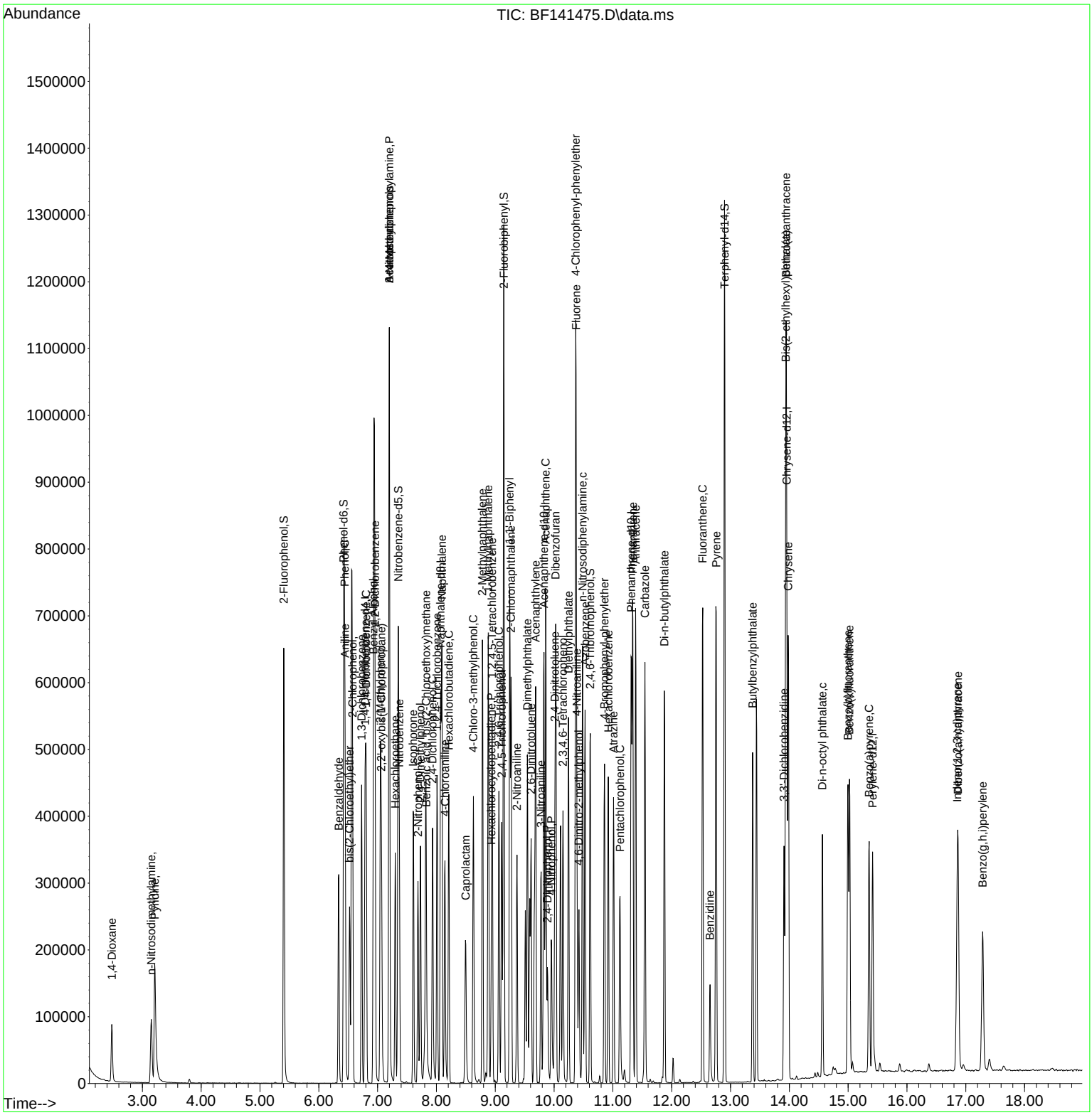
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

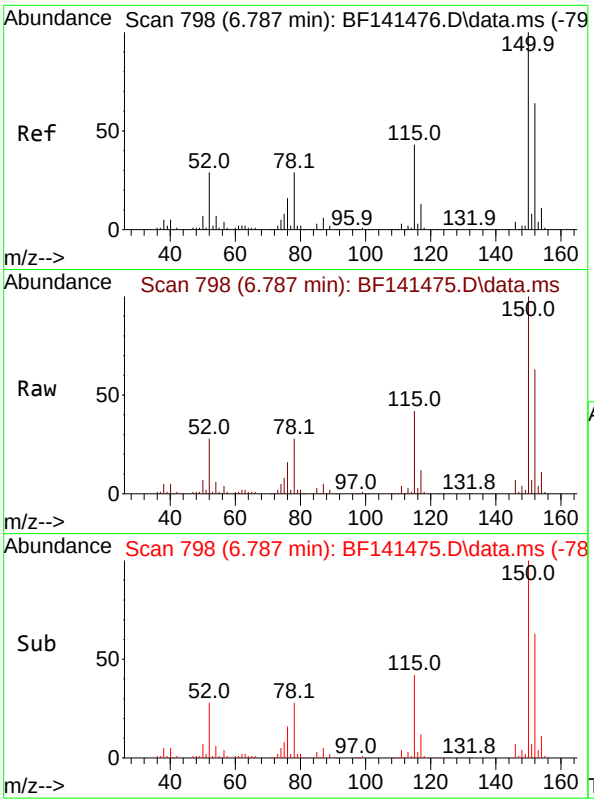
Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

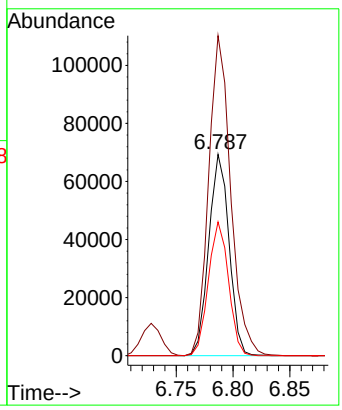




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:152 Resp: 8614

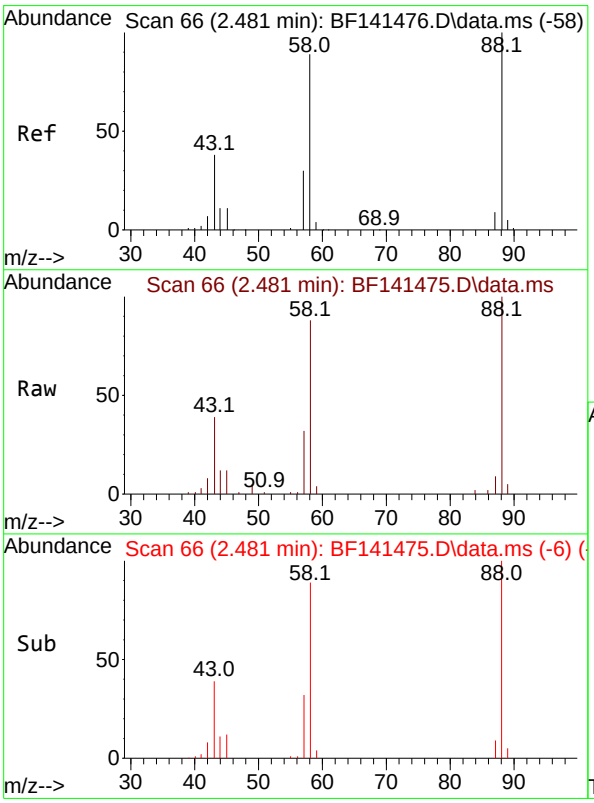
Ion	Ratio	Lower	Upper
152	100		
150	159.0	125.0	187.4
115	66.4	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

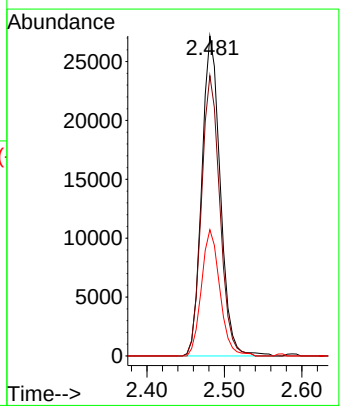
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

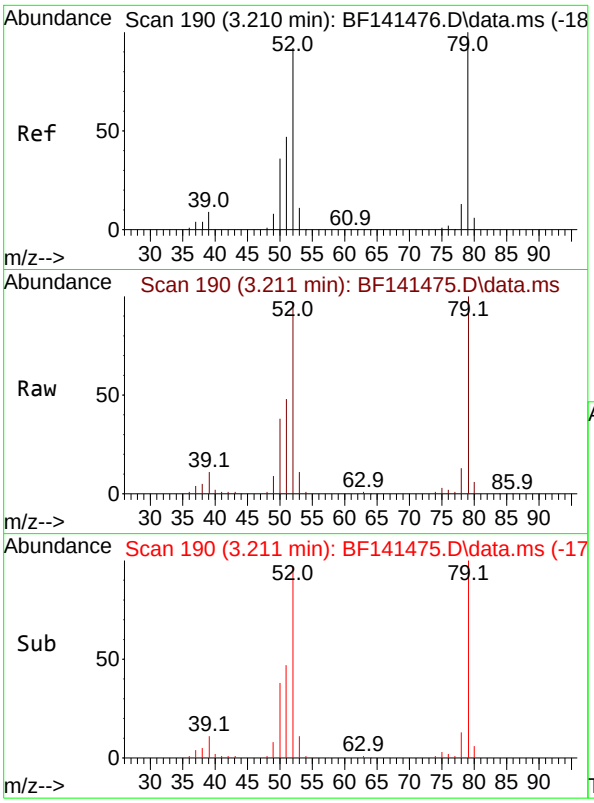


#2
1,4-Dioxane
Concen: 20.359 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 88 Resp: 45027

Ion	Ratio	Lower	Upper
88	100		
58	87.1	71.1	106.7
43	39.2	30.6	46.0

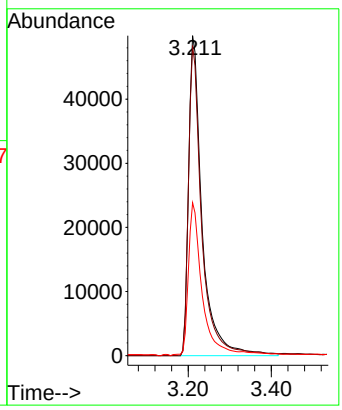




#3
Pyridine
Concen: 21.453 ng
RT: 3.211 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 79 Resp: 11290

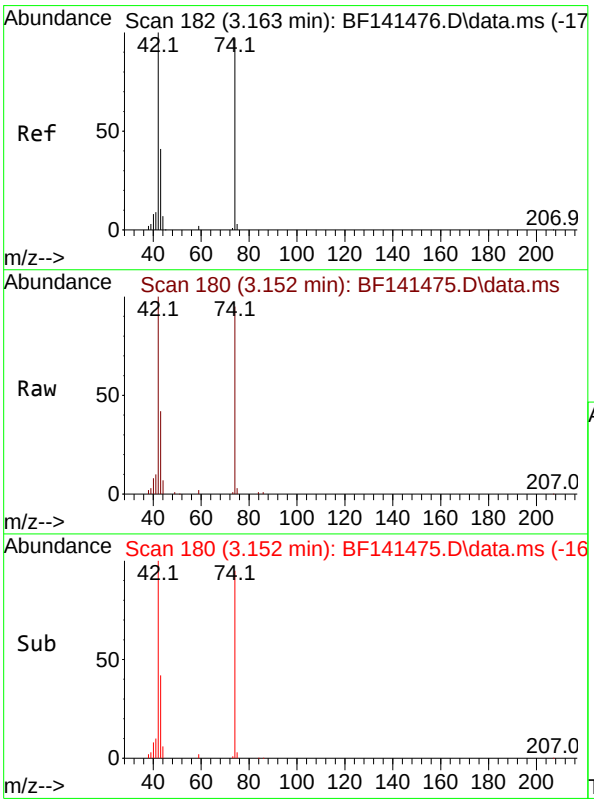
Ion	Ratio	Lower	Upper
79	100		
52	96.9	73.7	110.5
51	47.8	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

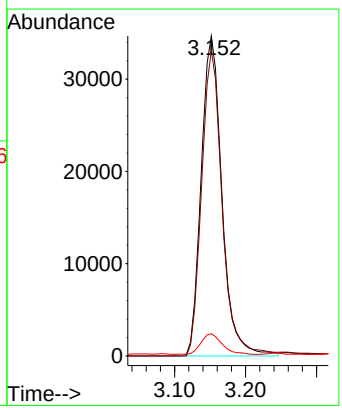
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

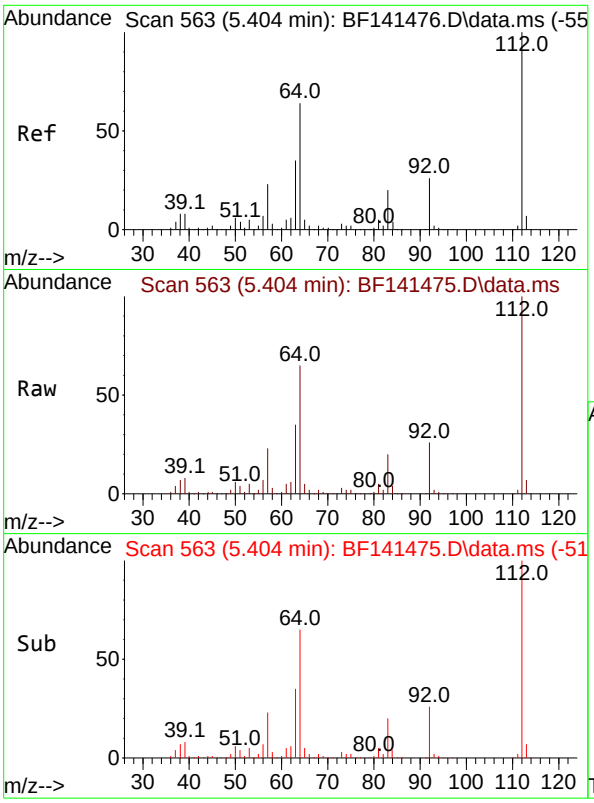


#4
n-Nitrosodimethylamine
Concen: 20.276 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 42 Resp: 70658

Ion	Ratio	Lower	Upper
42	100		
74	95.4	78.0	117.0
44	7.0	5.4	8.2

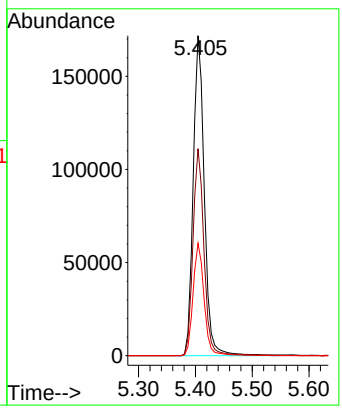




#5
2-Fluorophenol
Concen: 42.785 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:112 Resp: 23510

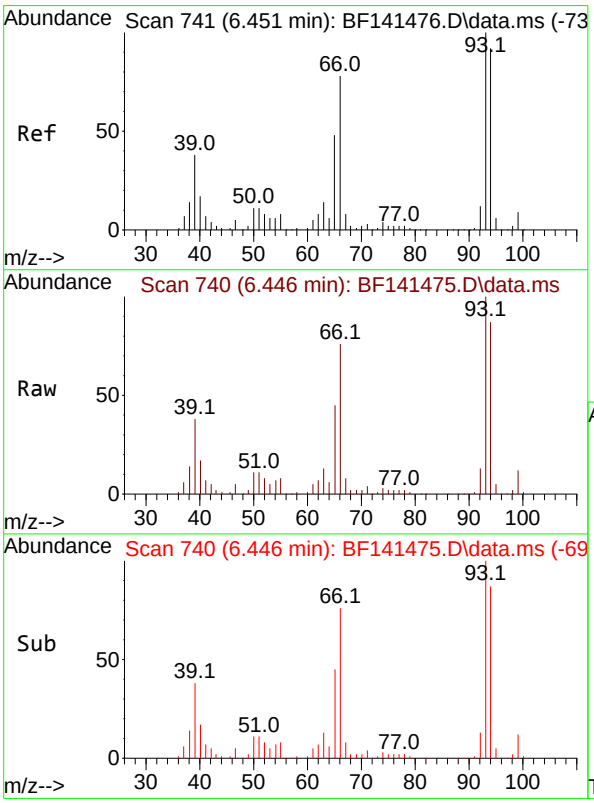
Ion	Ratio	Lower	Upper
112	100		
64	64.7	51.1	76.7
63	35.1	28.4	42.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

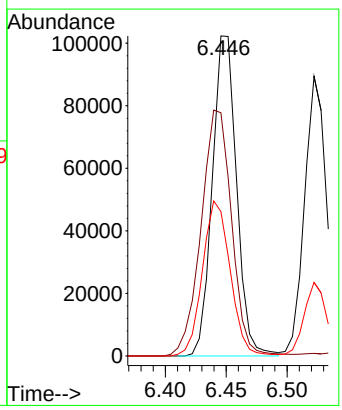
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

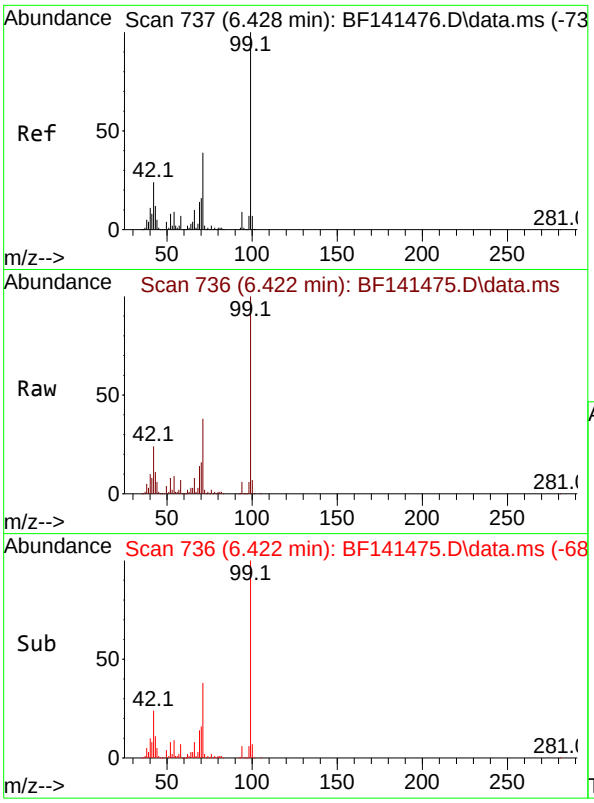


#6
Aniline
Concen: 21.820 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 142156

Ion	Ratio	Lower	Upper
93	100		
66	76.0	62.6	94.0
65	45.1	38.3	57.5

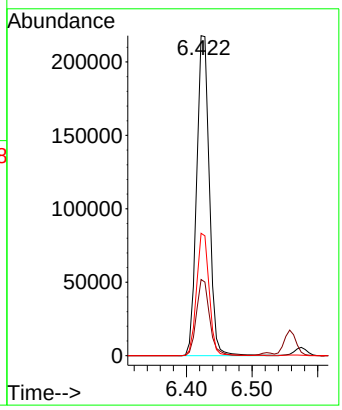




#7
Phenol-d6
Concen: 42.273 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 99 Resp: 29360

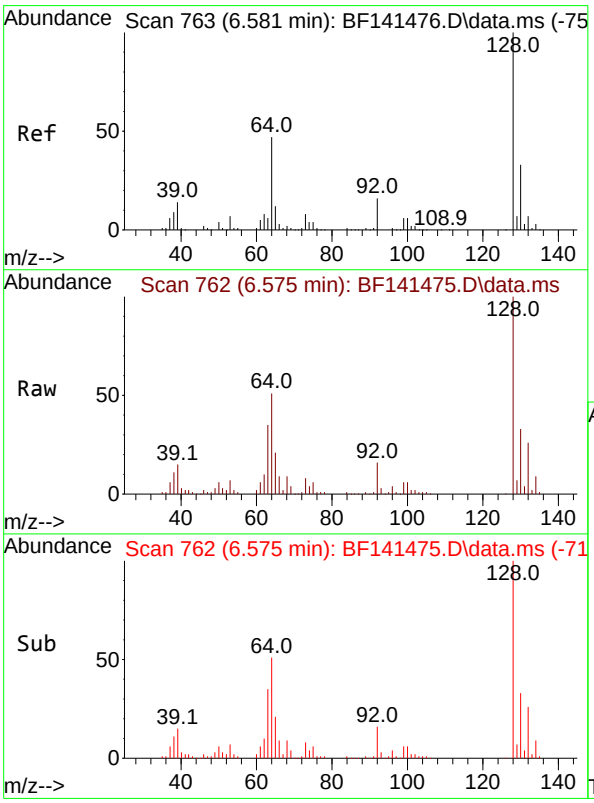
Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.1	28.7
71	38.2	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

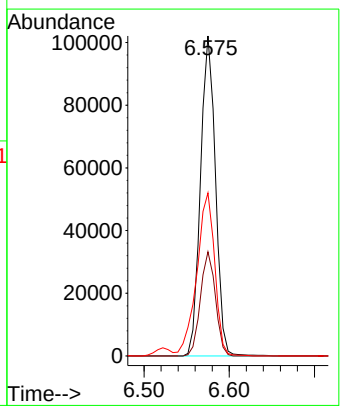
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

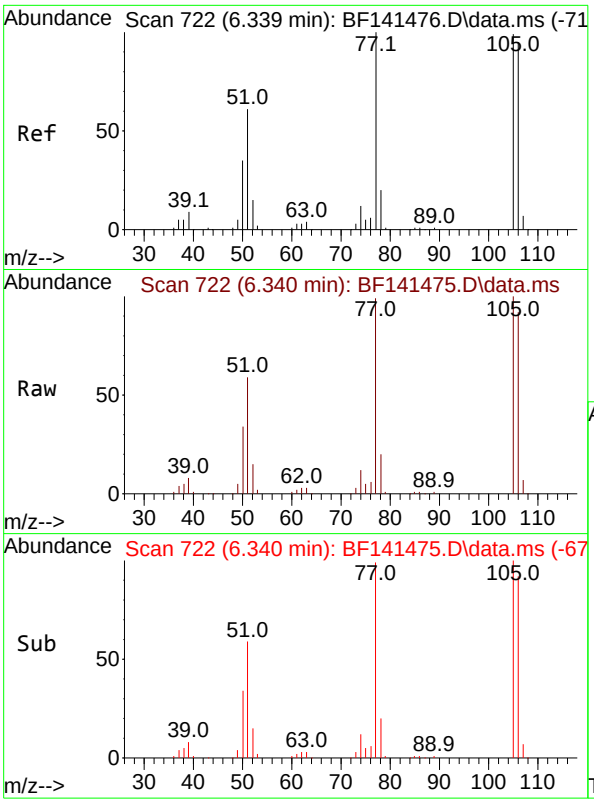


#8
2-Chlorophenol
Concen: 20.980 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:128 Resp: 124573

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	50.9	28.3	68.3

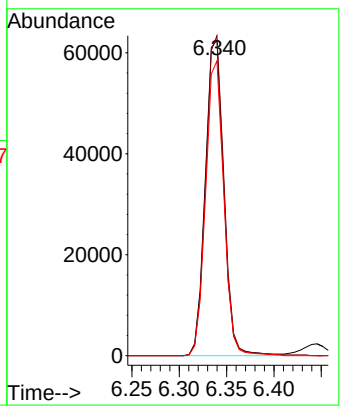




#9
Benzaldehyde
Concen: 22.903 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 77 Resp: 8453

Ion	Ratio	Lower	Upper
77	100		
105	101.4	79.4	119.4
106	93.4	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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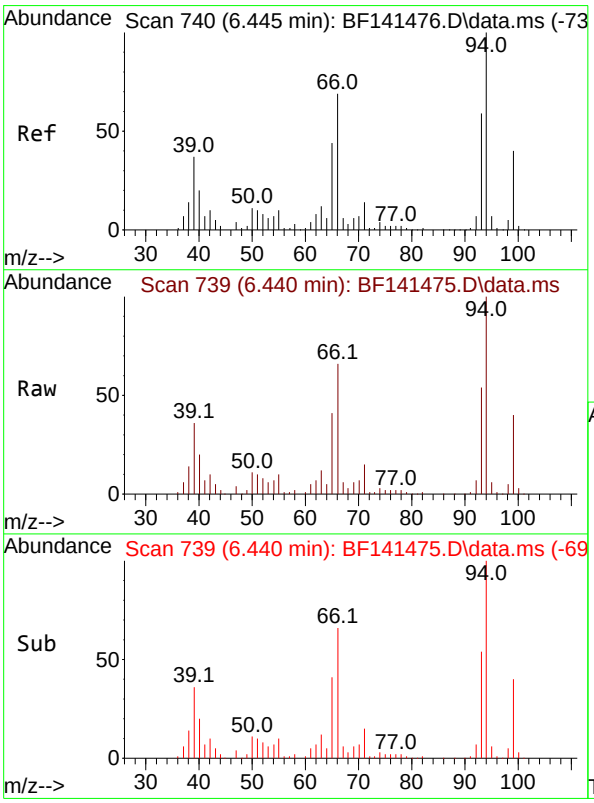
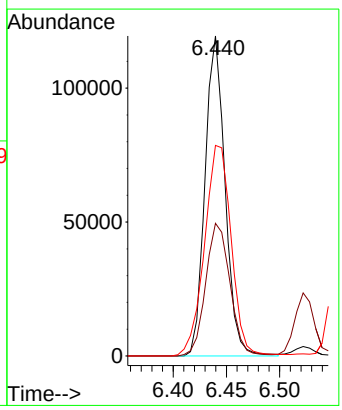
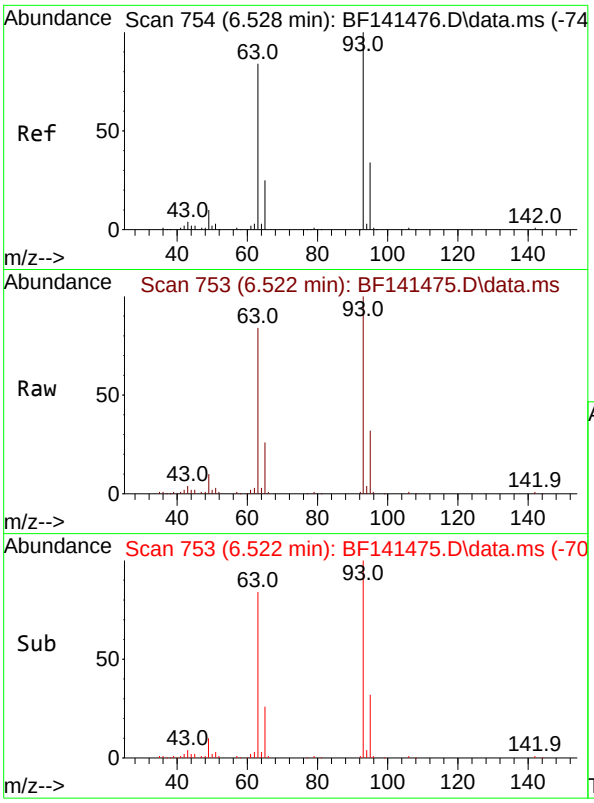


#10
Phenol
Concen: 21.652 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 94 Resp: 156515

Ion	Ratio	Lower	Upper
94	100		
65	41.5	23.7	63.7
66	65.8	49.3	89.3

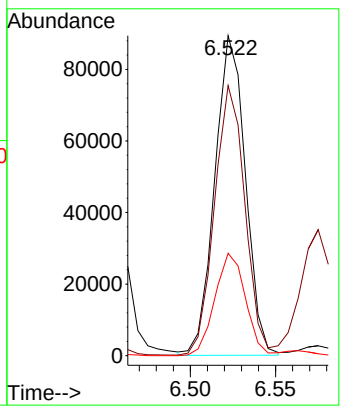




#11
bis(2-Chloroethyl)ether
Concen: 20.568 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 11167

Ion	Ratio	Lower	Upper
93	100		
63	84.4	62.0	102.0
95	32.0	12.6	52.6



Instrument :
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ClientSampleId :
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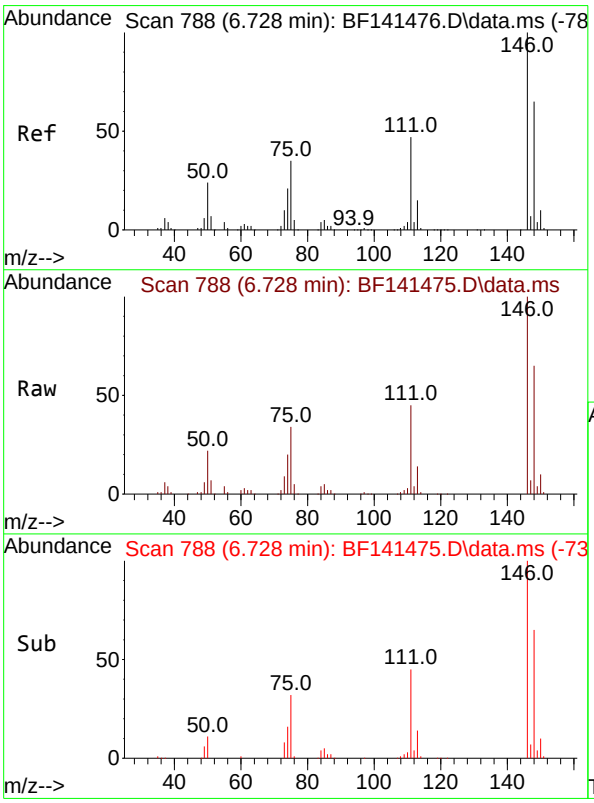
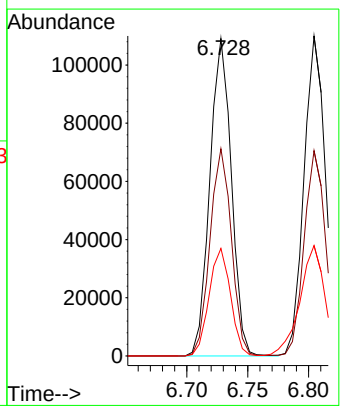
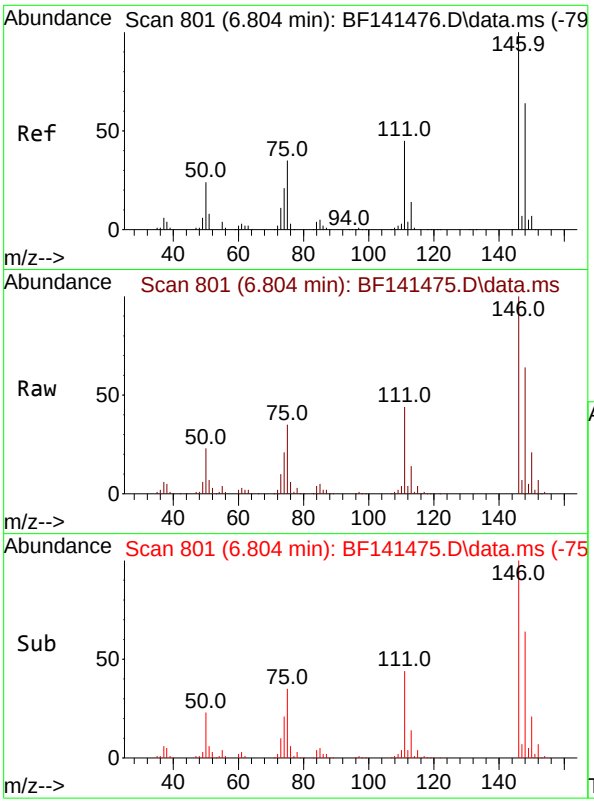


#12
1,3-Dichlorobenzene
Concen: 21.362 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:146 Resp: 133906

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
75	33.8	28.2	42.2

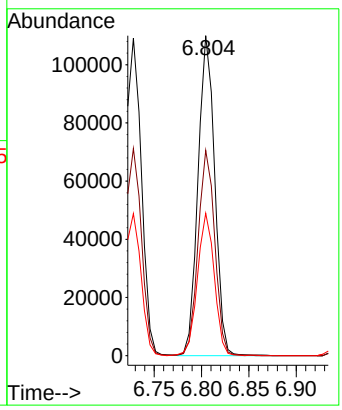




#13
1,4-Dichlorobenzene
Concen: 21.134 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:146 Resp: 13535

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	44.5	35.9	53.9



Instrument :
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ClientSampleId :
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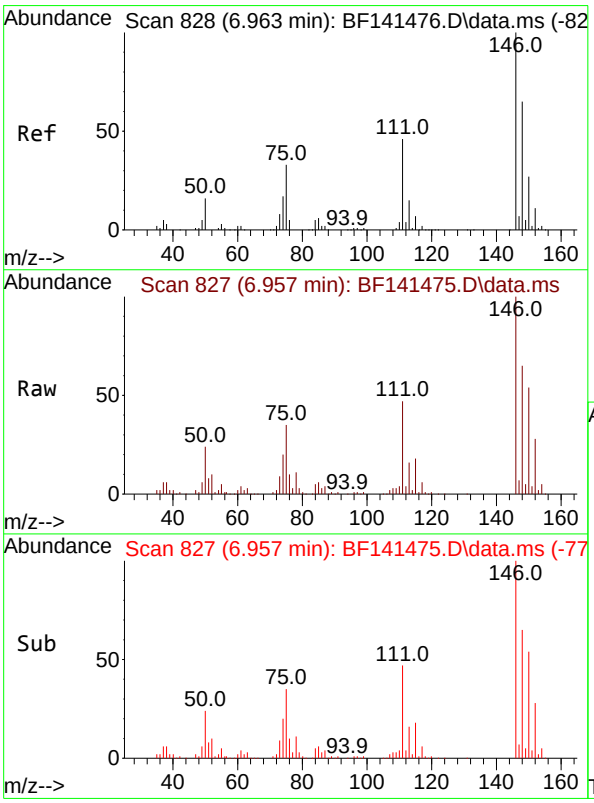
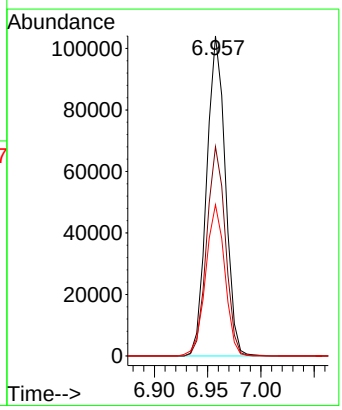
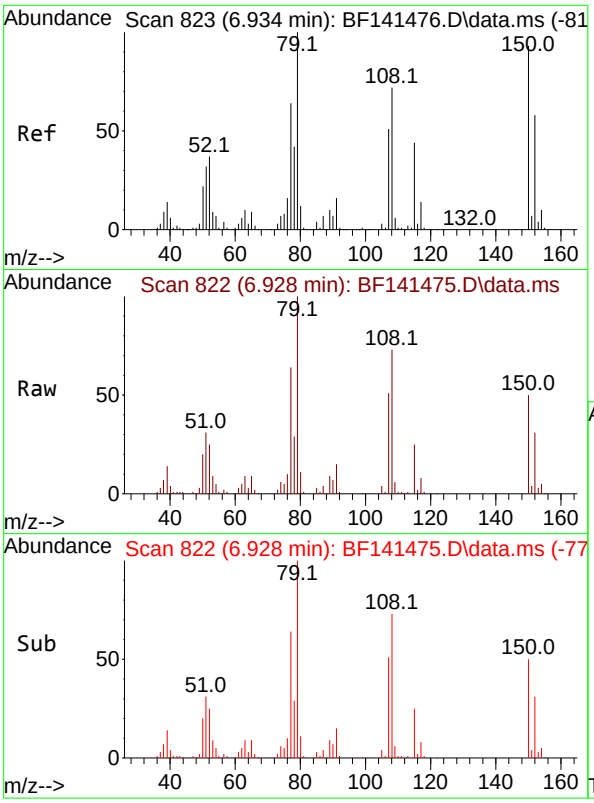


#14
1,2-Dichlorobenzene
Concen: 21.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:146 Resp: 126931

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
111	47.3	37.0	55.4

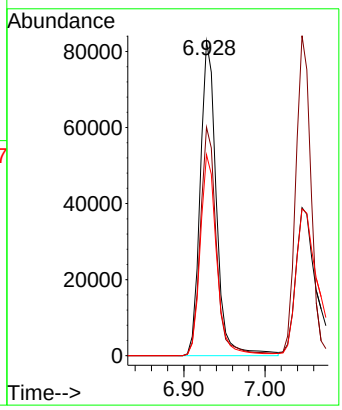




#15
Benzyl Alcohol
Concen: 21.386 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 79 Resp: 11390

Ion	Ratio	Lower	Upper
79	100		
108	72.6	57.4	86.2
77	63.9	50.9	76.3



Instrument :
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ClientSampleId :
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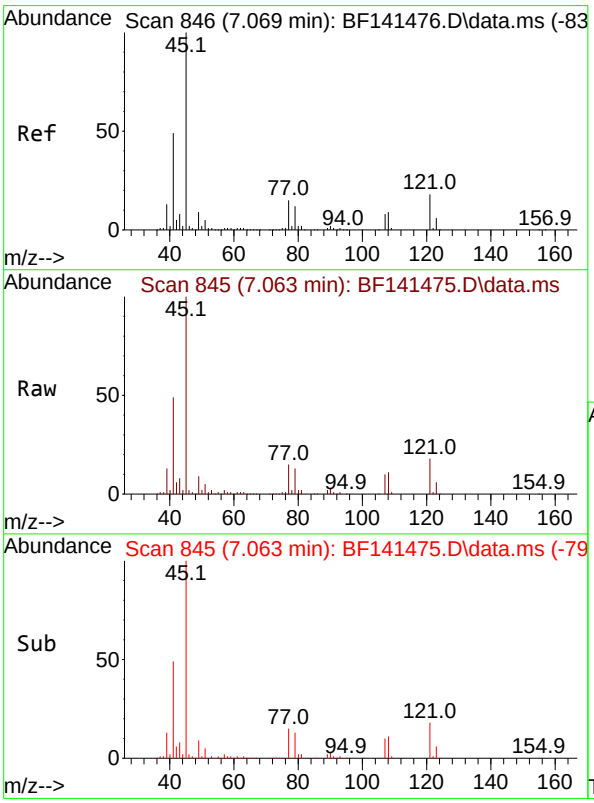
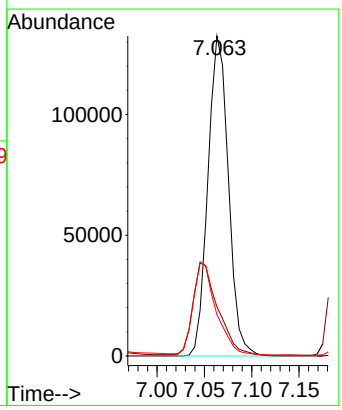
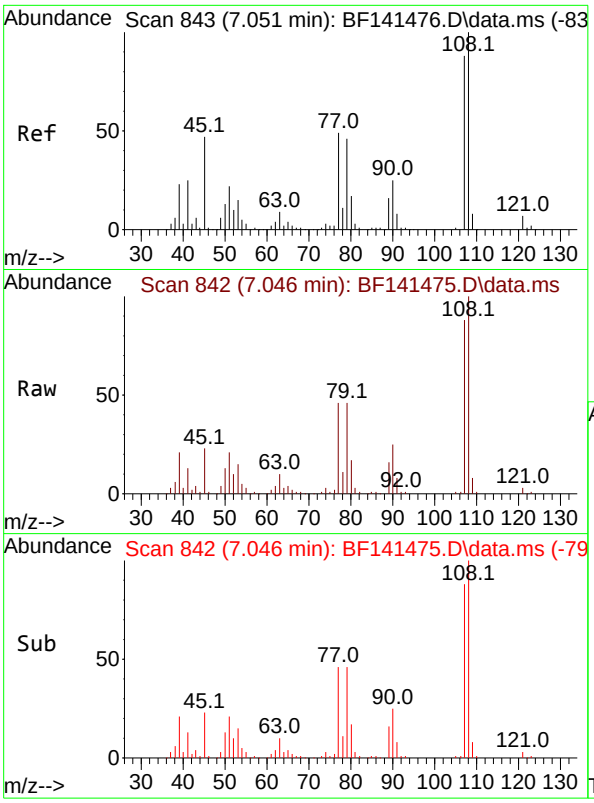


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.441 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 45 Resp: 199281

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.8
79	12.9	0.0	32.7

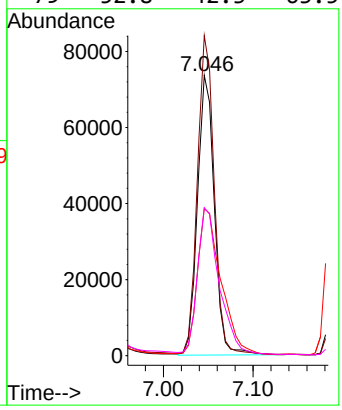




#17
2-Methylphenol
Concen: 20.792 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:107 Resp: 9660

Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	52.4	44.4	66.6
79	52.8	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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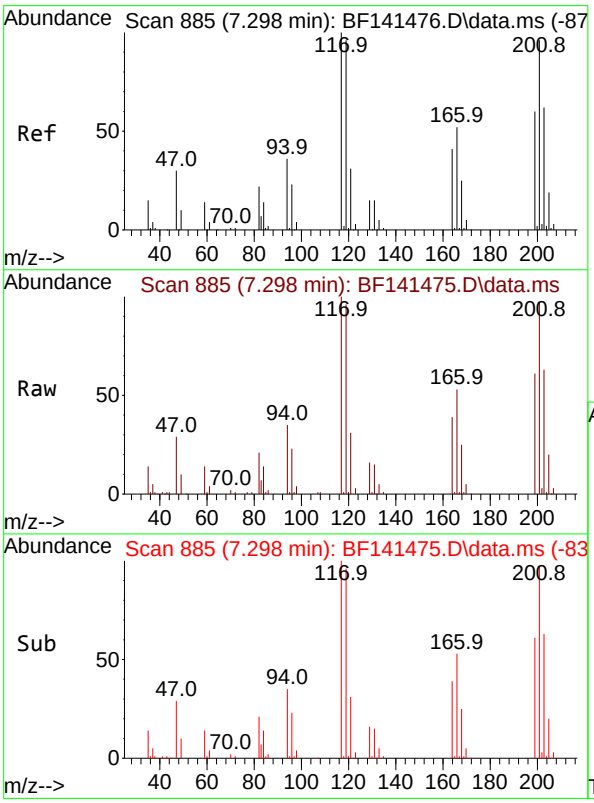
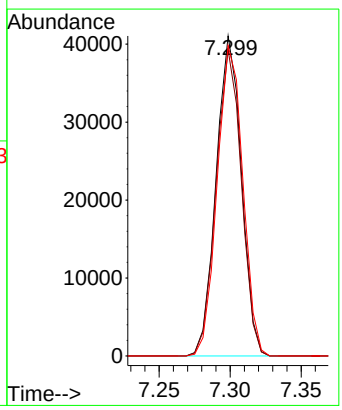
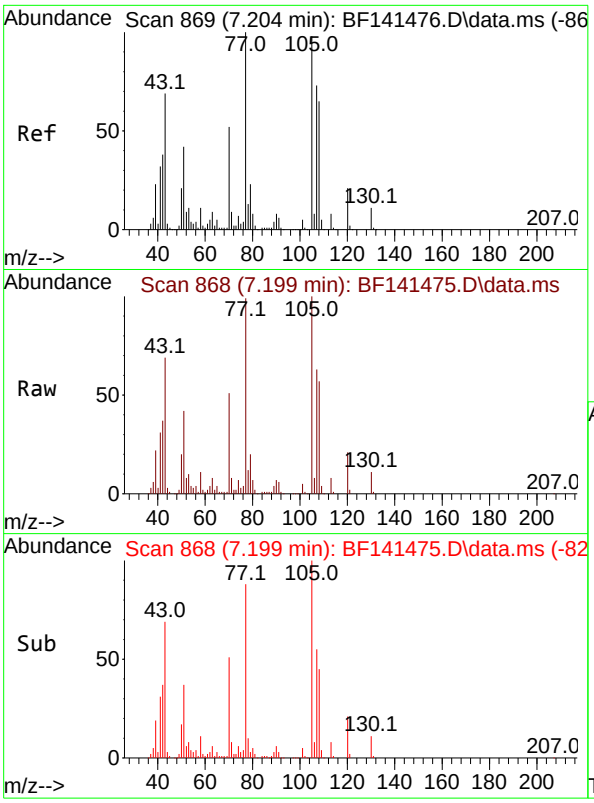


#18
Hexachloroethane
Concen: 21.409 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:117 Resp: 50745

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
201	97.0	76.7	115.1

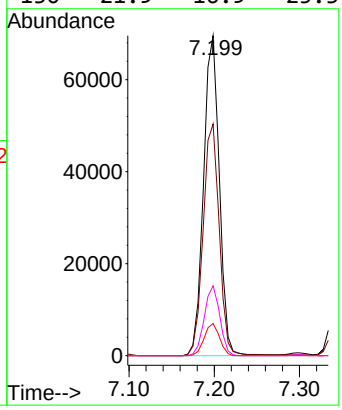




#19
n-Nitroso-di-n-propylamine
Concen: 21.546 ng
RT: 7.199 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 70 Resp: 8951

Ion	Ratio	Lower	Upper
70	100		
42	72.4	57.4	86.2
101	10.0	8.0	12.0
130	21.9	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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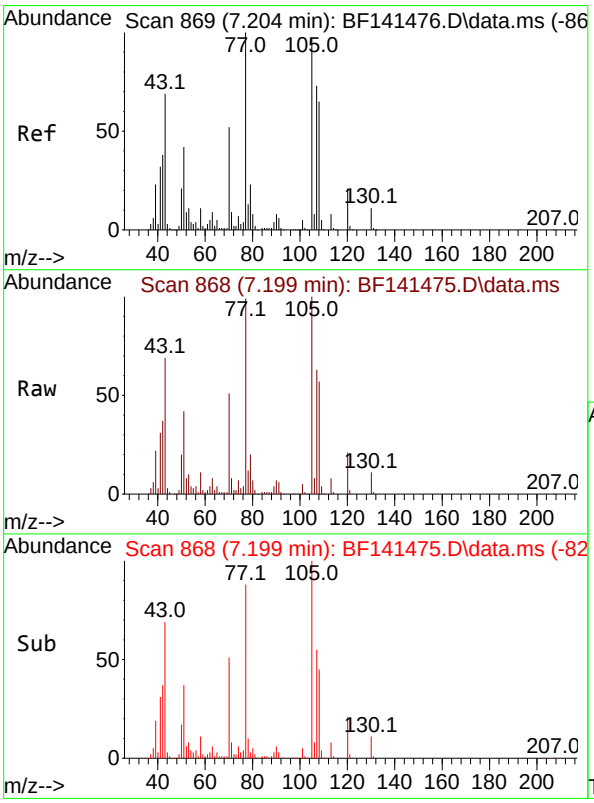
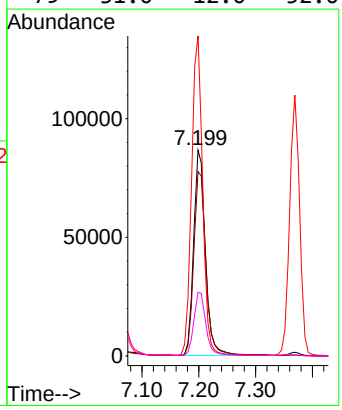
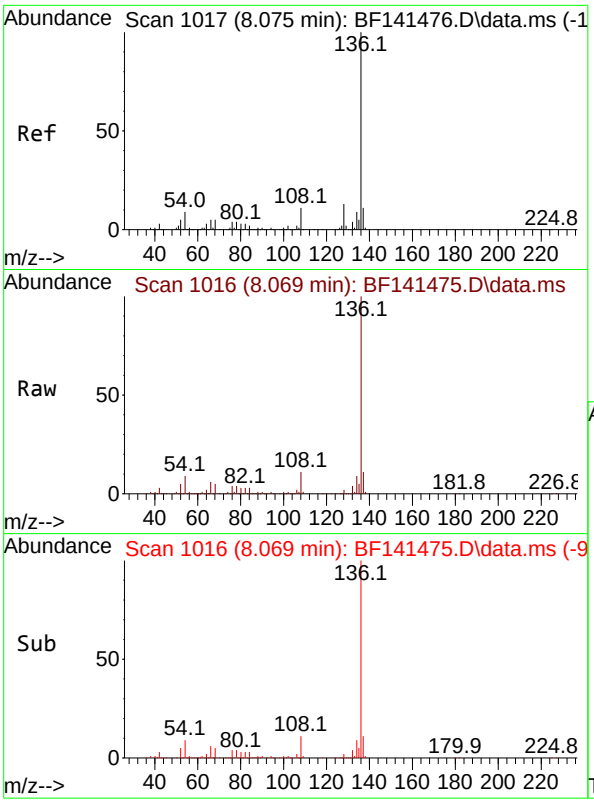


#20
3+4-Methylphenols
Concen: 21.287 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:107 Resp: 125707

Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.5	108.5
77	155.6	116.5	156.5
79	31.0	12.0	52.0

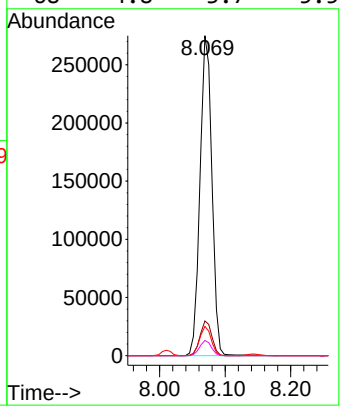




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:136 Resp: 34801

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	7.2	10.8
68	4.8	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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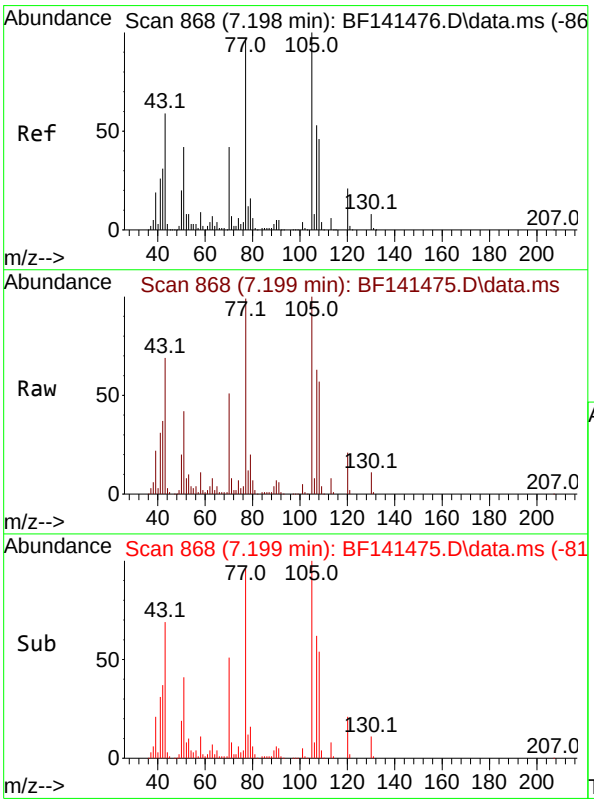
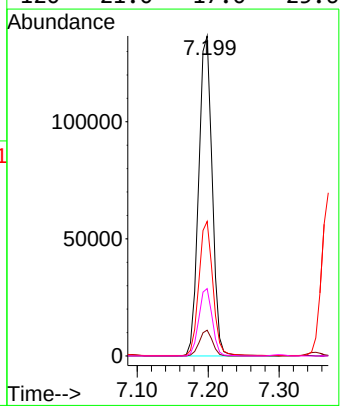
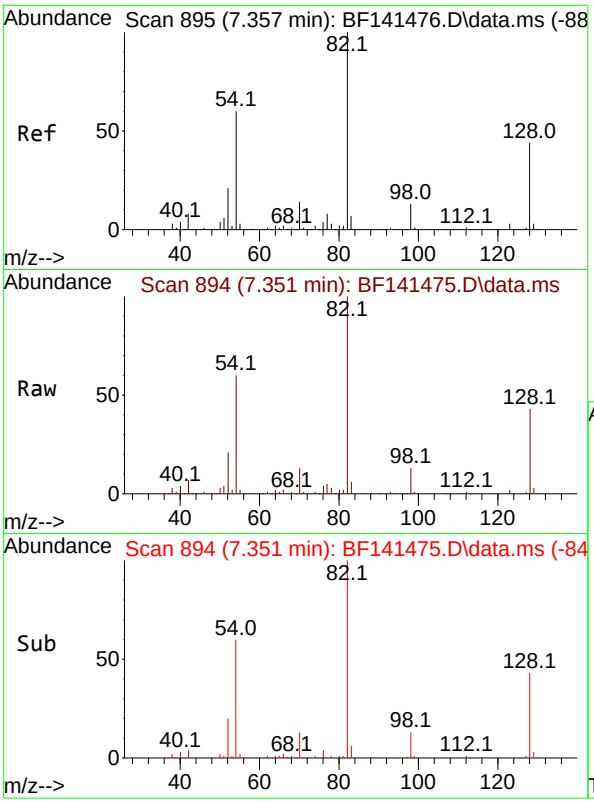


#22
Acetophenone
Concen: 20.946 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:105 Resp: 181333

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.7	8.5
51	42.0	33.7	50.5
120	21.0	17.0	25.6

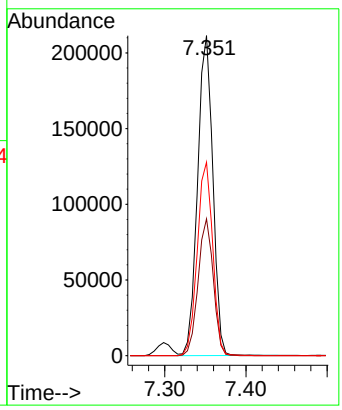




#23
Nitrobenzene-d5
Concen: 41.331 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 82 Resp: 27577

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	60.5	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
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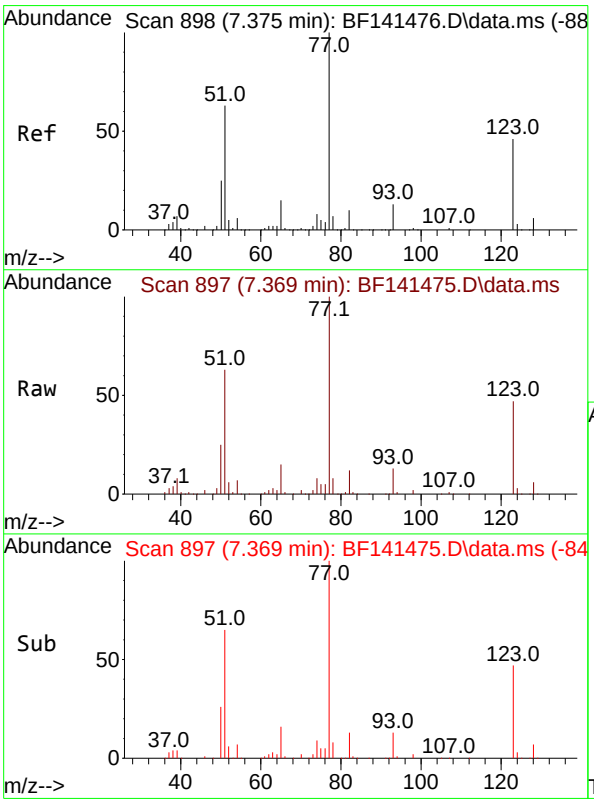
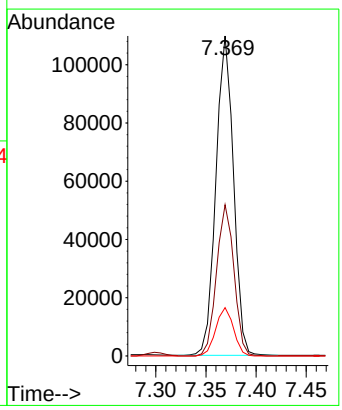
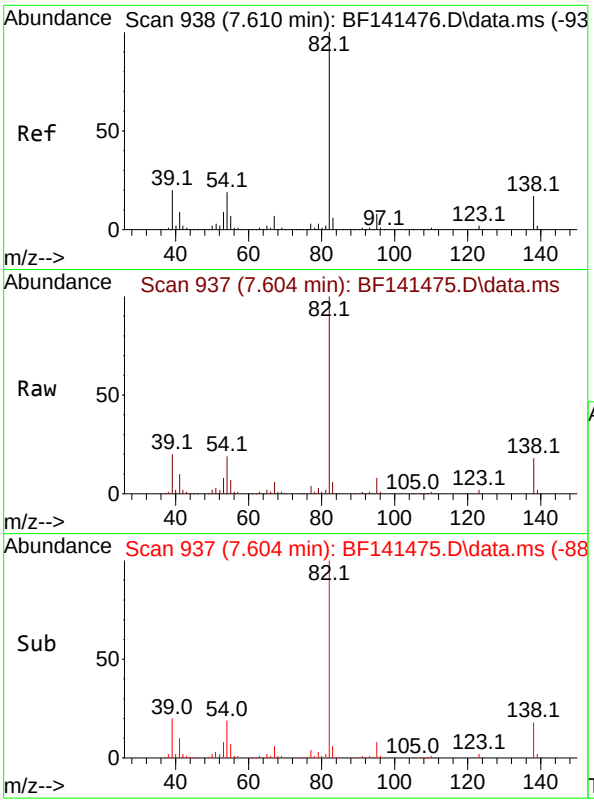


#24
Nitrobenzene
Concen: 20.485 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 77 Resp: 133285

Ion	Ratio	Lower	Upper
77	100		
123	47.3	36.9	55.3
65	15.1	11.9	17.9

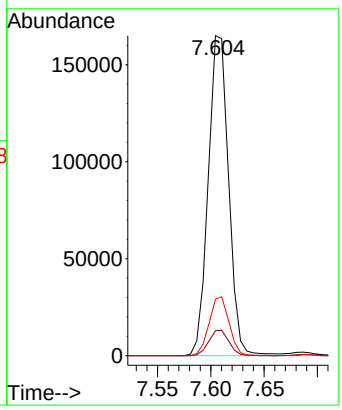




#25
Isophorone
Concen: 20.706 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 82 Resp: 22029

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.6	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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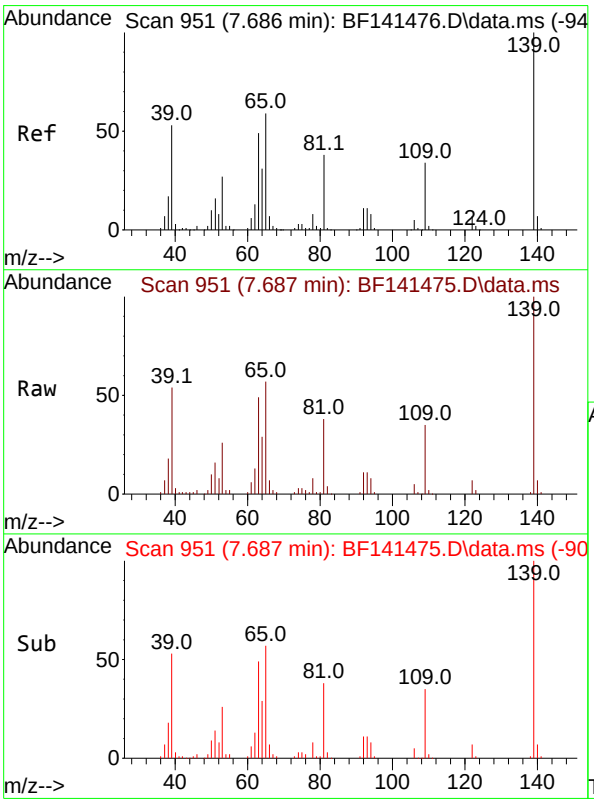
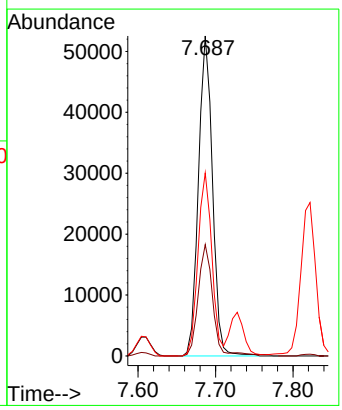
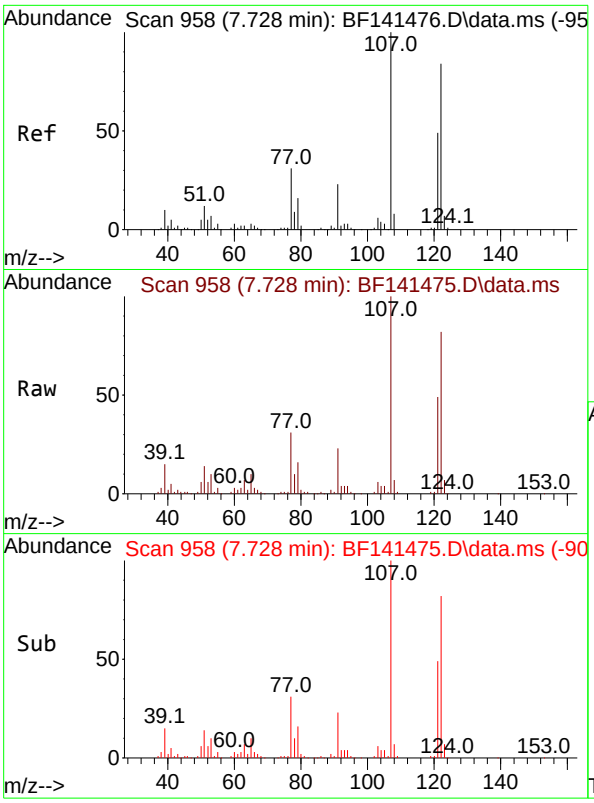


#26
2-Nitrophenol
Concen: 20.449 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:139 Resp: 66195

Ion	Ratio	Lower	Upper
139	100		
109	34.8	27.0	40.6
65	57.2	47.1	70.7

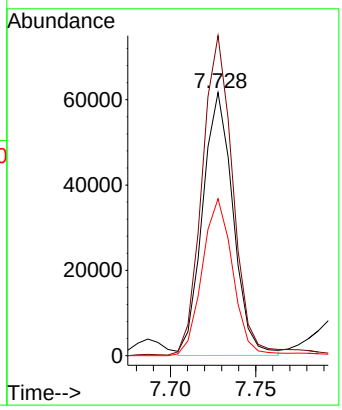




#27
2,4-Dimethylphenol
Concen: 20.296 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:122 Resp: 7675

Ion	Ratio	Lower	Upper
122	100		
107	121.6	94.3	141.5
121	59.6	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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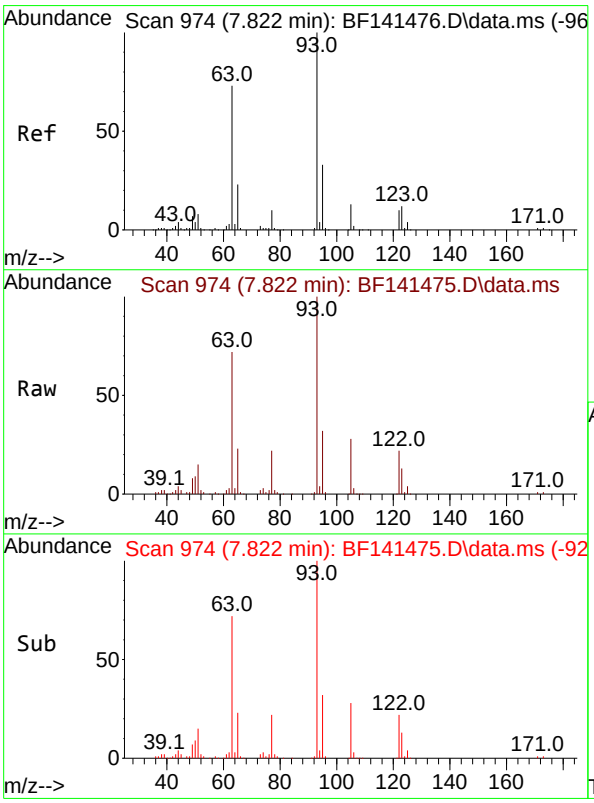
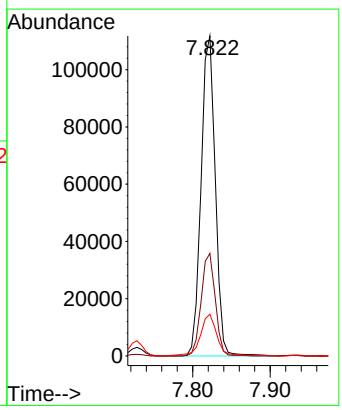
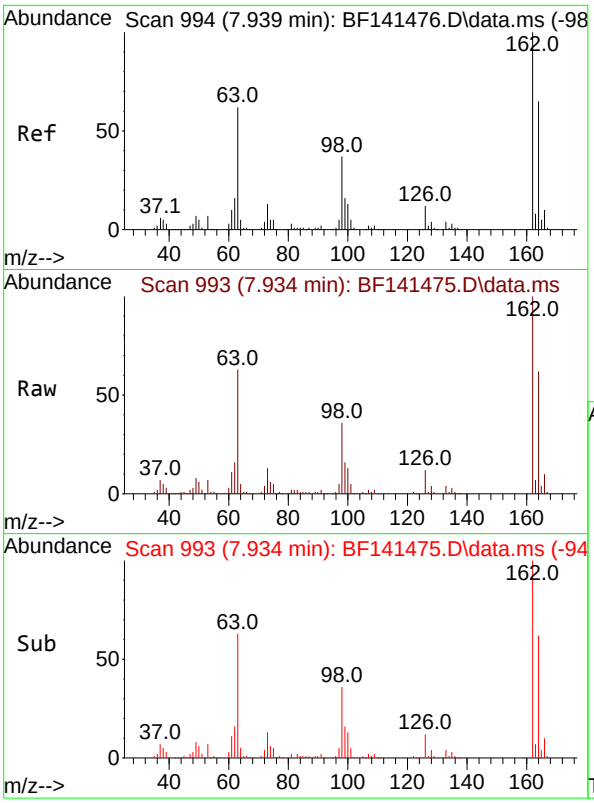


#28
bis(2-Chloroethoxy)methane
Concen: 20.852 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 142151

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.1	39.1
123	13.0	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 21.227 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:162 Resp: 10845

Ion	Ratio	Lower	Upper
162	100		
164	62.4	44.6	84.6
98	36.0	17.2	57.2

Instrument :
BNA_F
ClientSampleId :
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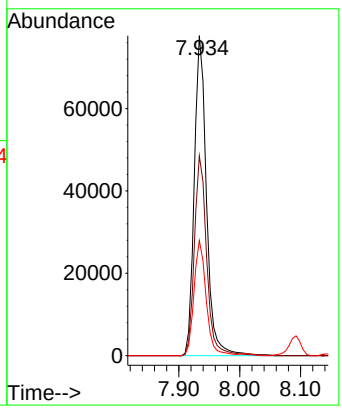
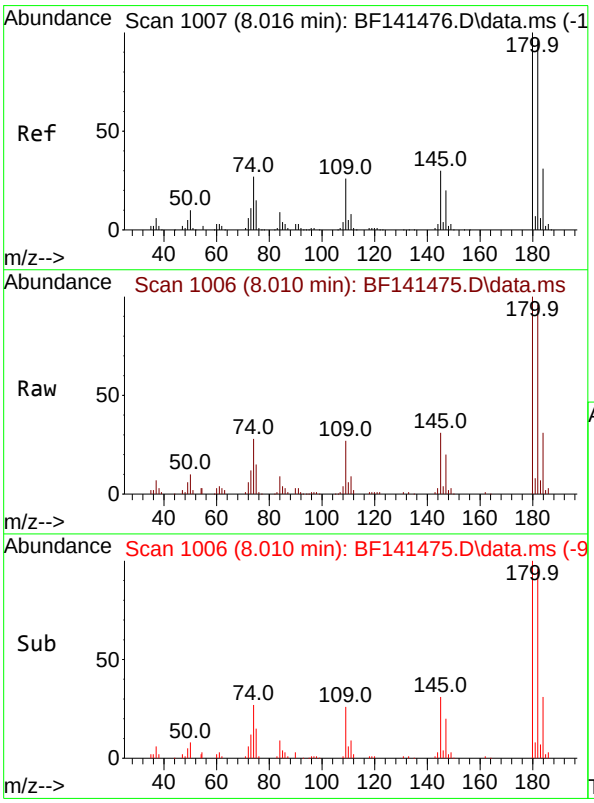
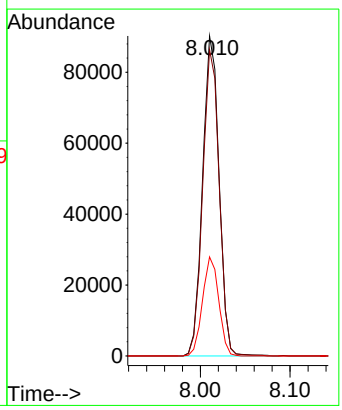


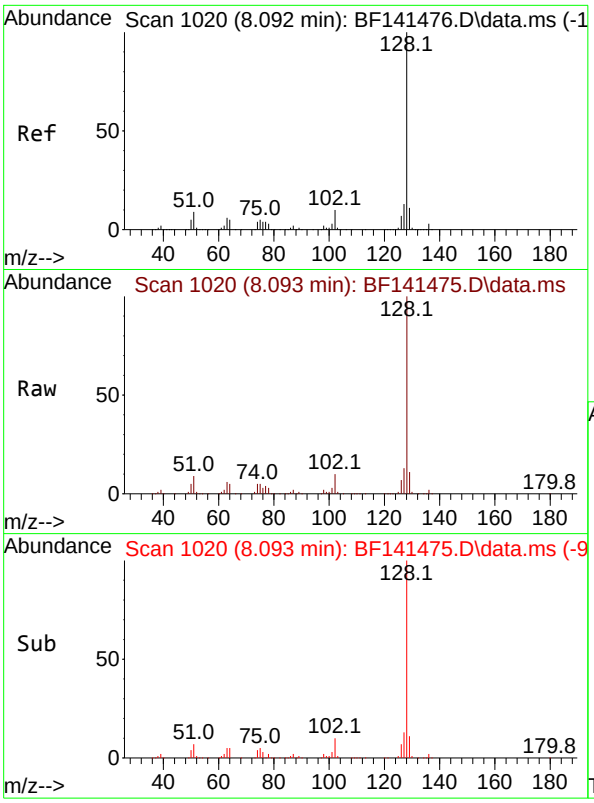


#30
1,2,4-Trichlorobenzene
Concen: 20.678 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:180 Resp: 115050

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	31.0	24.2	36.4

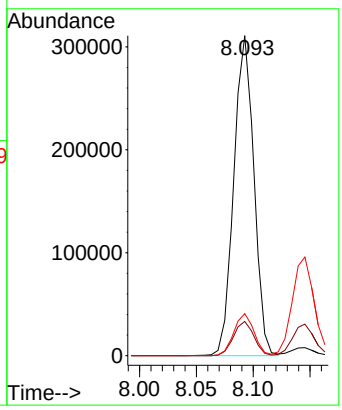




#31
Naphthalene
Concen: 21.062 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:128 Resp: 38154

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.2	10.7	16.1



Instrument :
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ClientSampleId :
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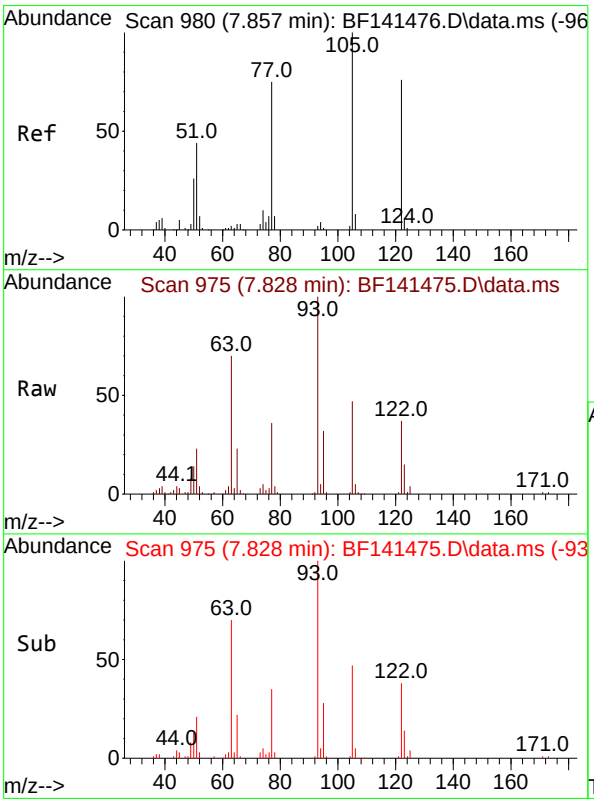
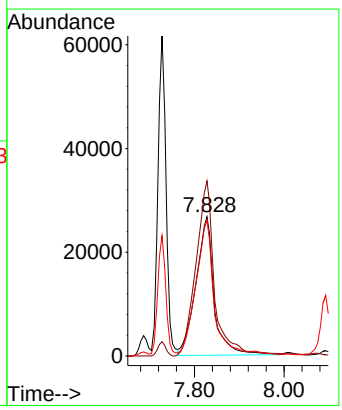
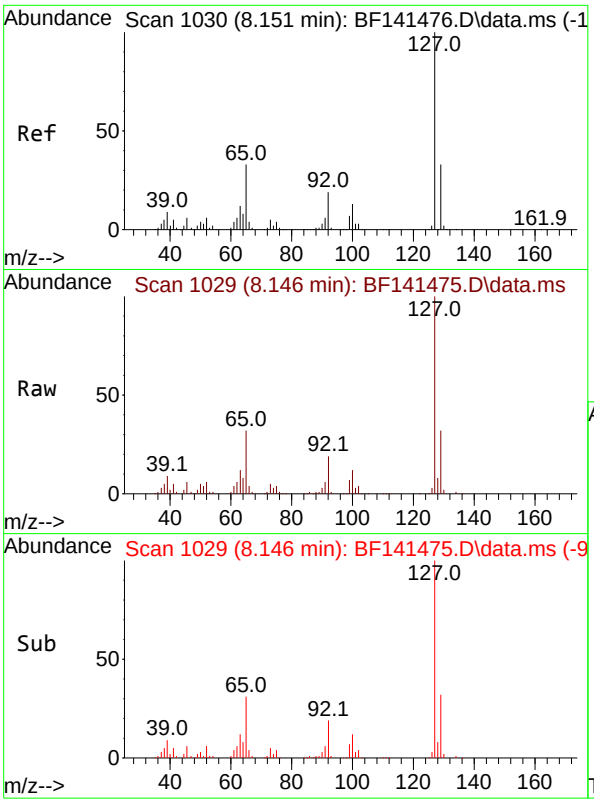


#32
Benzoic acid
Concen: 19.212 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:122 Resp: 75462

Ion	Ratio	Lower	Upper
122	100		
105	125.8	106.5	146.5
77	97.6	76.3	116.3

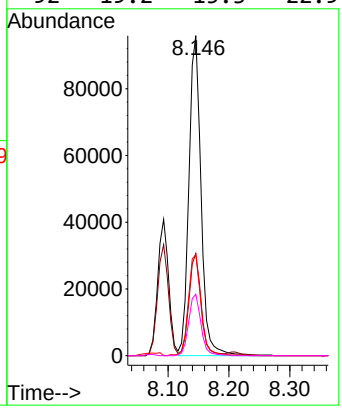




#33
4-Chloroaniline
Concen: 21.014 ng
RT: 8.146 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:127 Resp: 13291

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	31.6	26.4	39.6
92	19.2	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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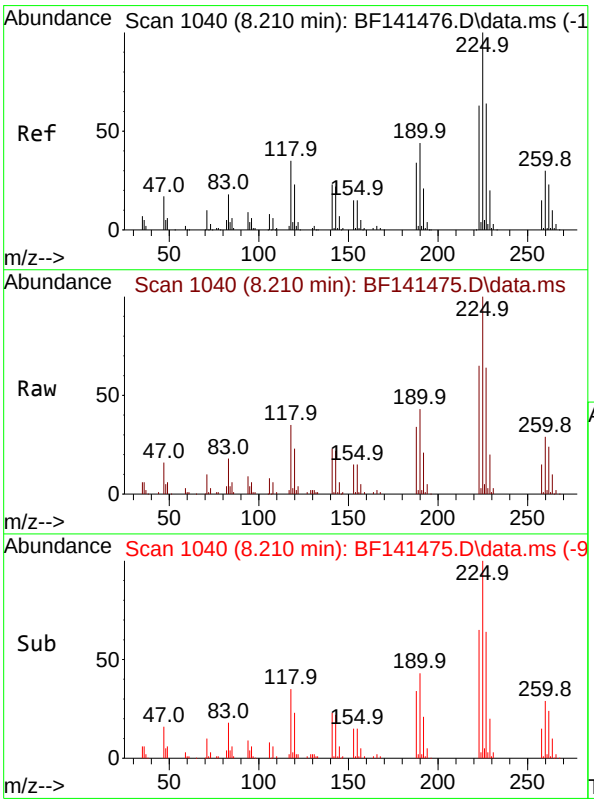
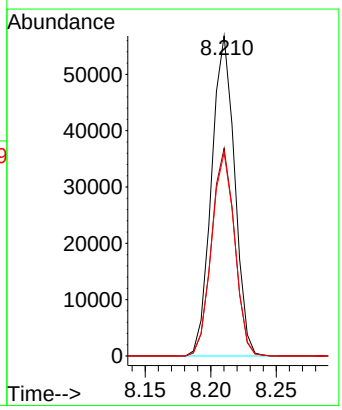
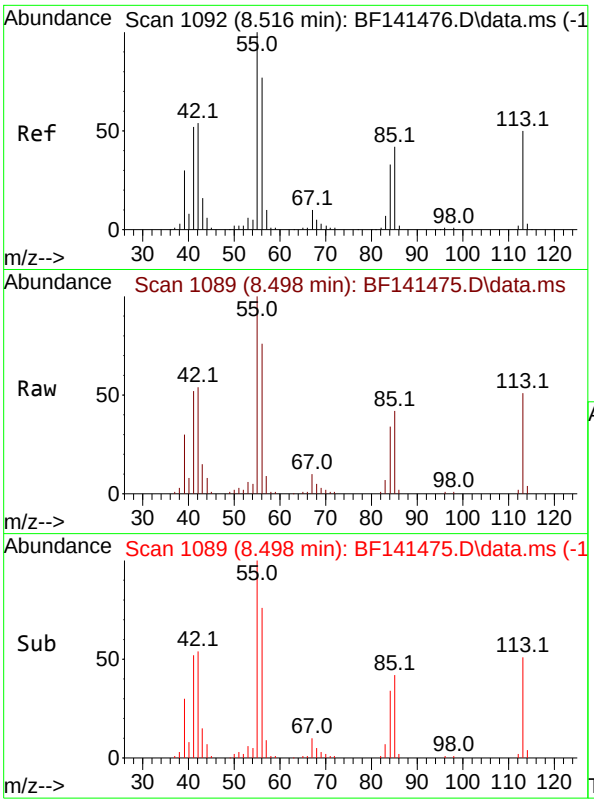


#34
Hexachlorobutadiene
Concen: 20.804 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:225 Resp: 69492

Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.1	75.1
227	63.5	51.0	76.6

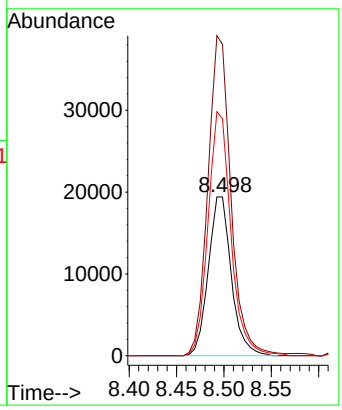




#35
Caprolactam
Concen: 21.050 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:113 Resp: 3274

Ion	Ratio	Lower	Upper
113	100		
55	196.0	180.8	220.8
56	149.2	133.6	173.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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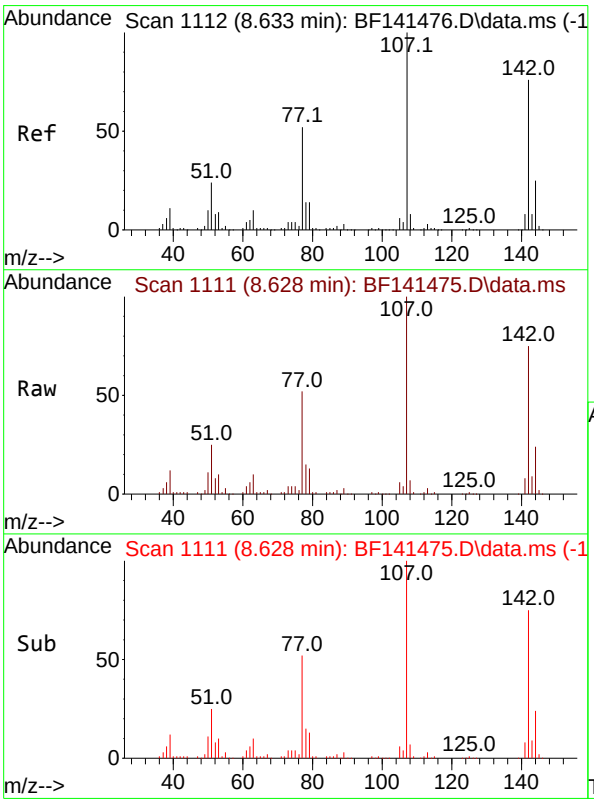
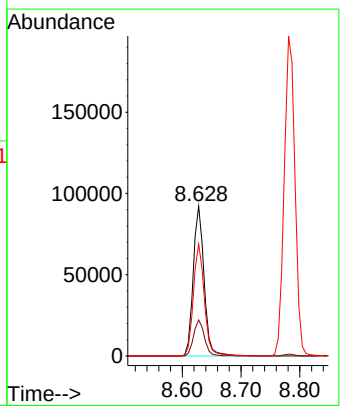
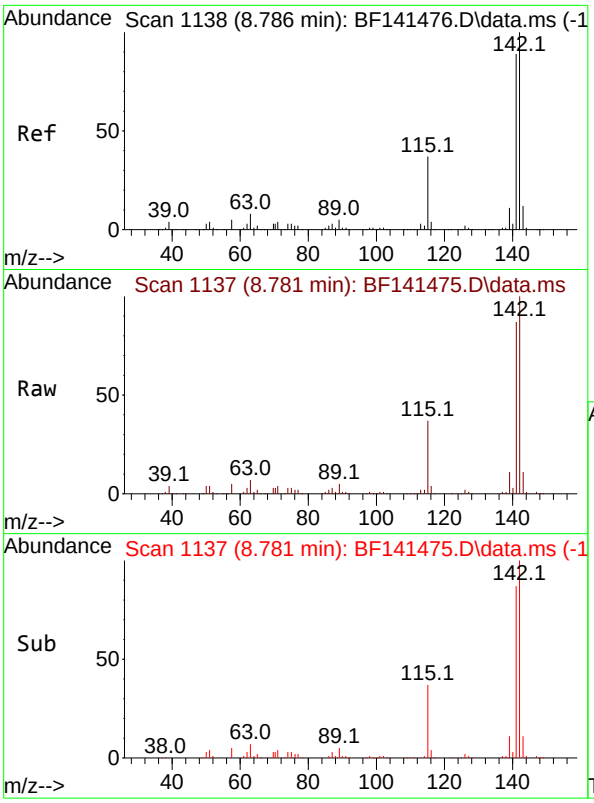


#36
4-Chloro-3-methylphenol
Concen: 21.029 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:107 Resp: 119021

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.7	29.5
142	74.7	60.8	91.2

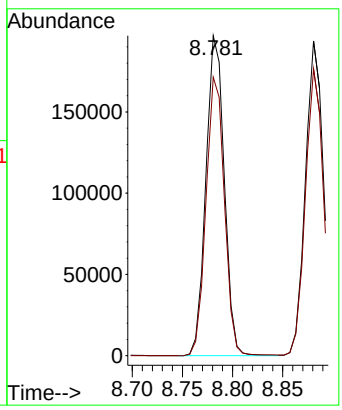




#37
2-Methylnaphthalene
Concen: 21.238 ng
RT: 8.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:142 Resp: 25036

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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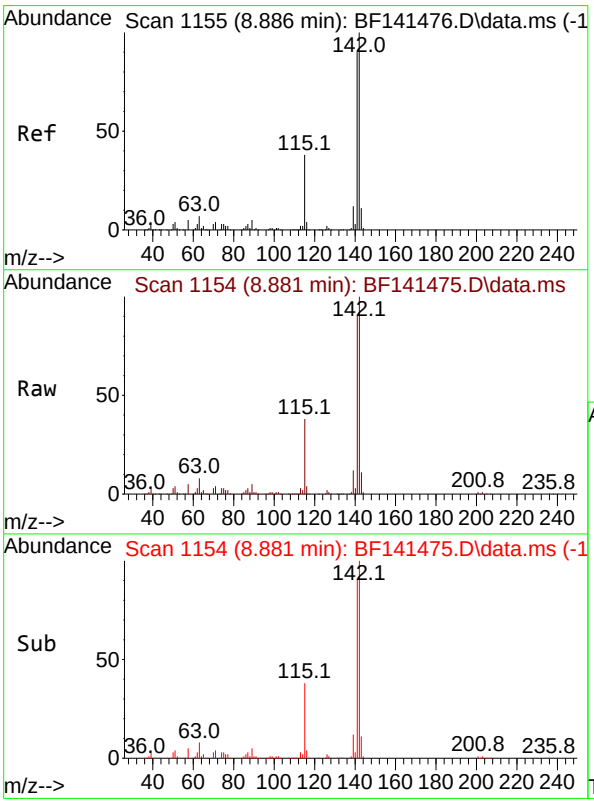
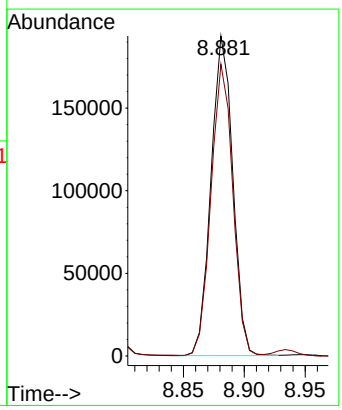
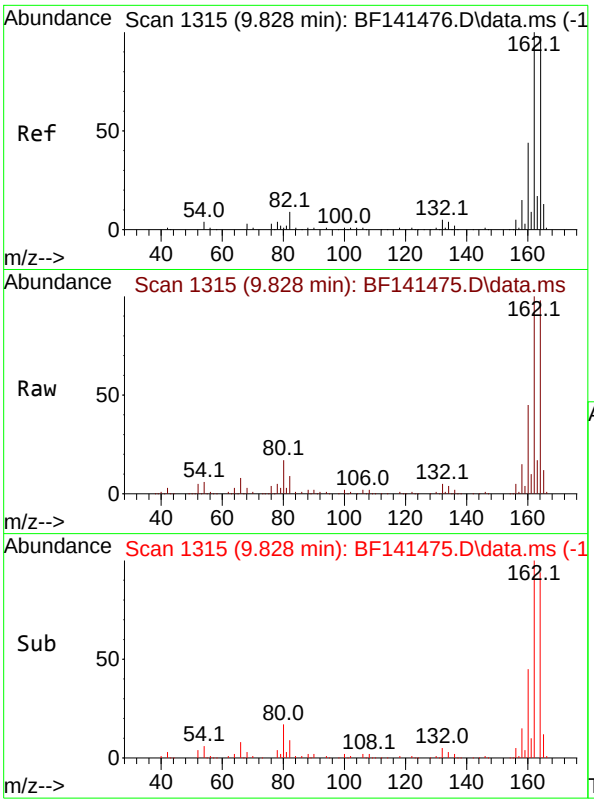


#38
1-Methylnaphthalene
Concen: 21.056 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:142 Resp: 240408

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1

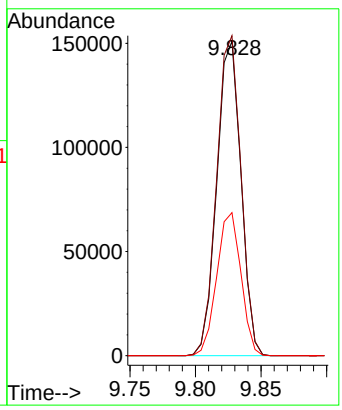




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:164 Resp: 19309

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.3	121.9
160	45.5	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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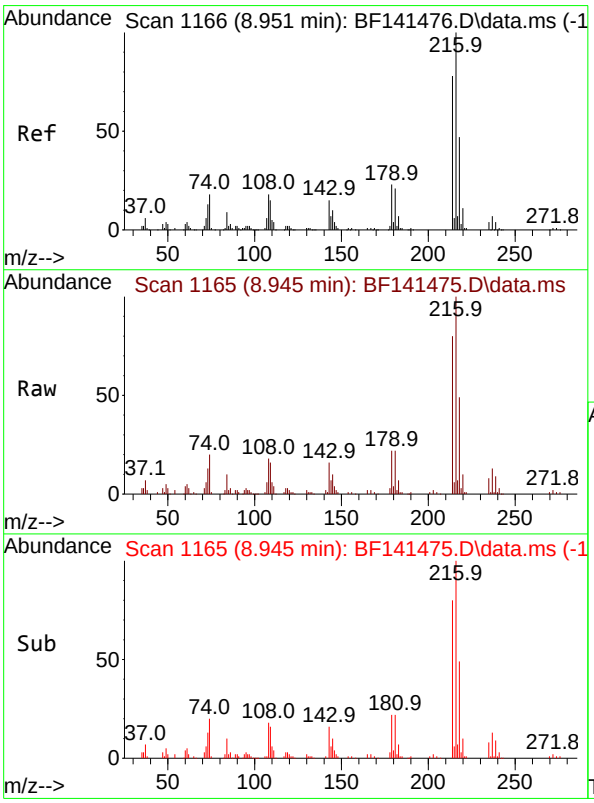
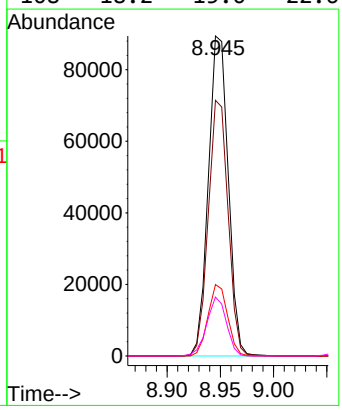
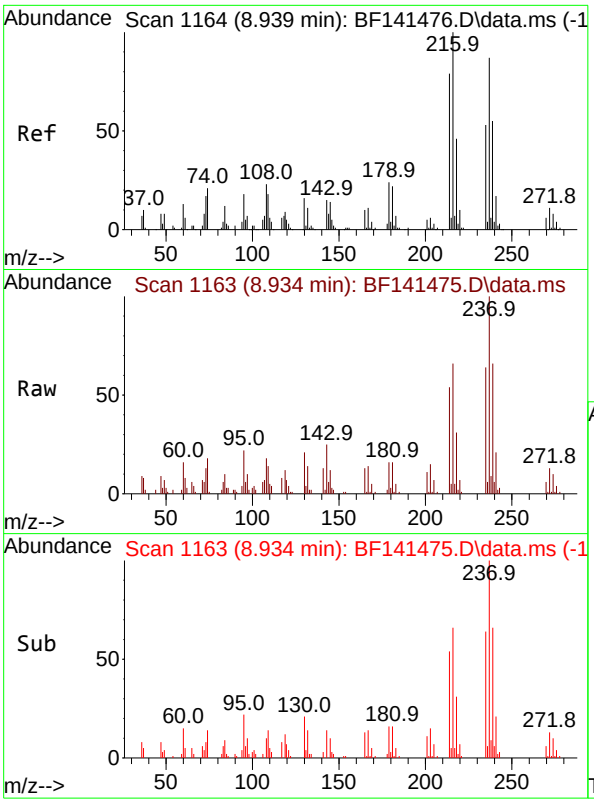


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.753 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:216 Resp: 115936

Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.3	93.5
179	21.9	18.0	27.0
108	18.2	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 18.691 ng
RT: 8.934 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:237 Resp: 3472

Ion	Ratio	Lower	Upper
237	100		
235	64.2	41.4	81.4
272	13.2	0.0	32.4

Instrument :
BNA_F
ClientSampleId :
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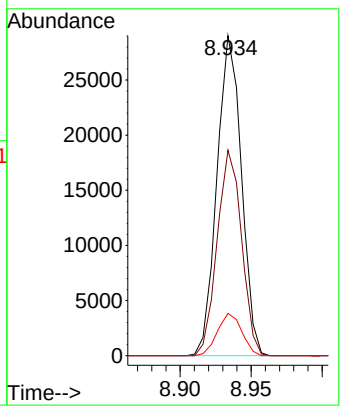
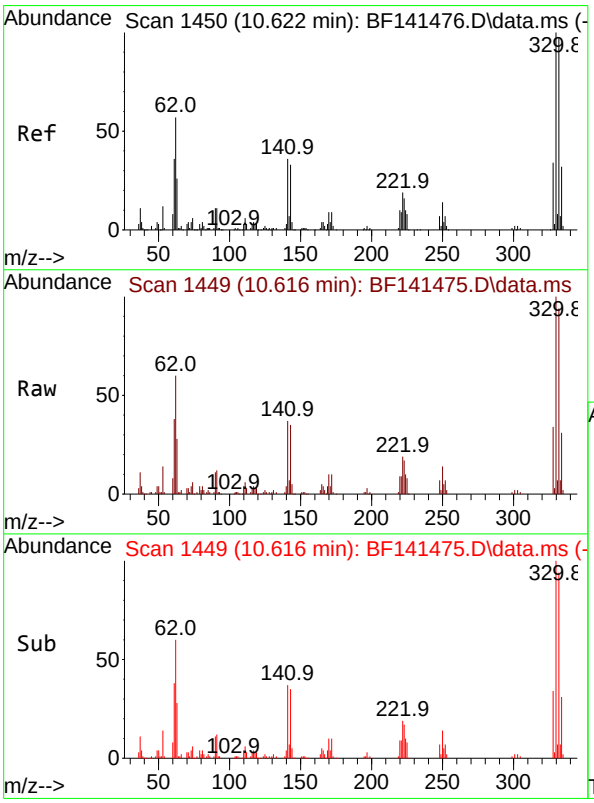
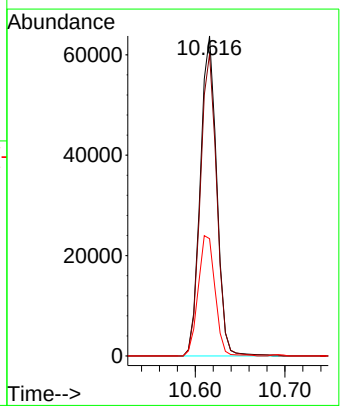


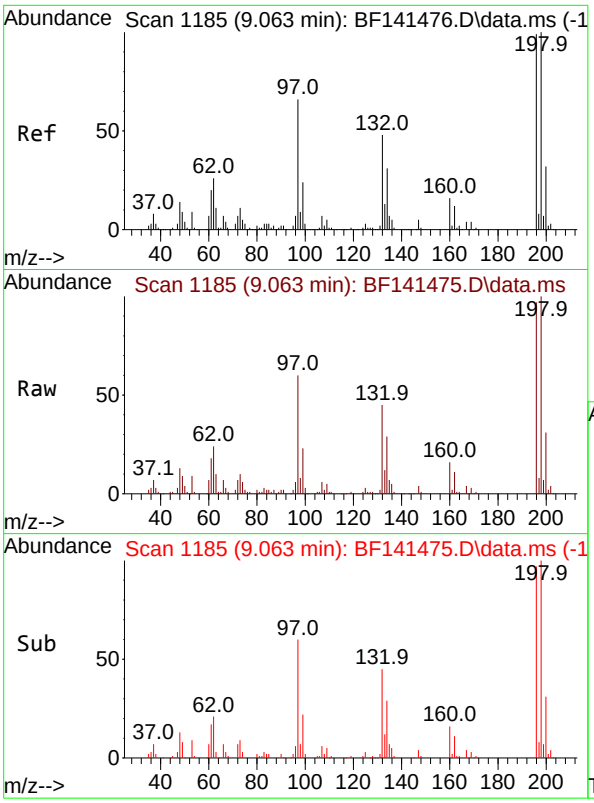


#42
2,4,6-Tribromophenol
Concen: 41.714 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:330 Resp: 80912

Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.5	117.7
141	38.7	31.0	46.4

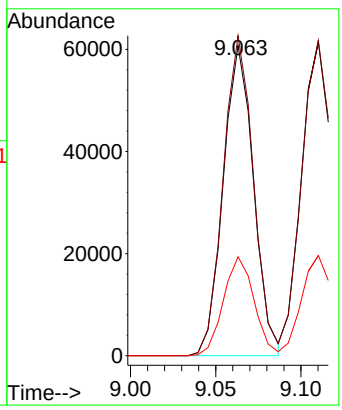




#43
2,4,6-Trichlorophenol
Concen: 20.817 ng
RT: 9.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:196 Resp: 7516

Ion	Ratio	Lower	Upper
196	100		
198	103.2	80.6	121.0
200	31.9	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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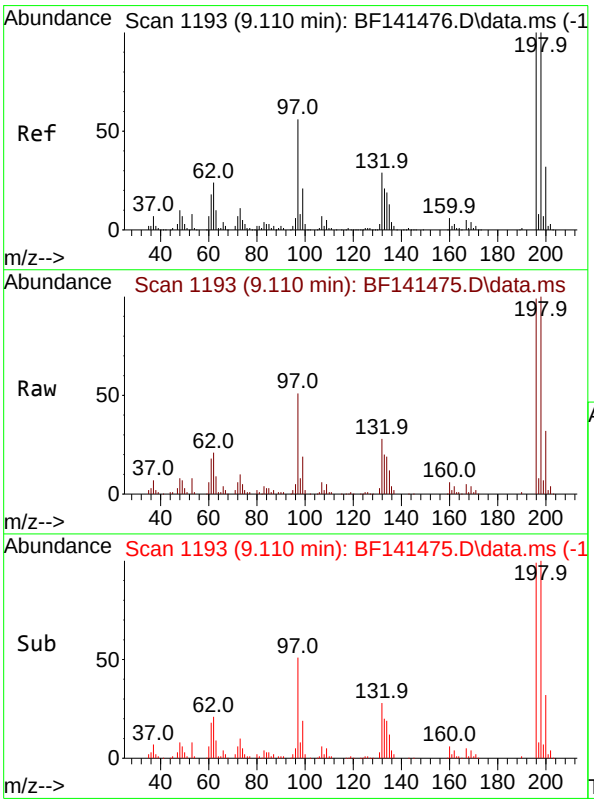
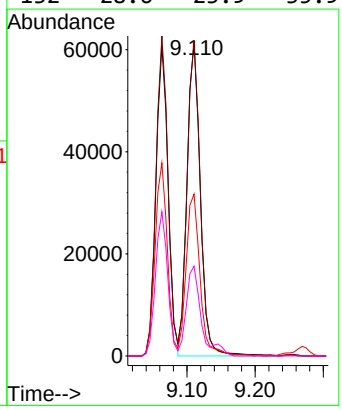
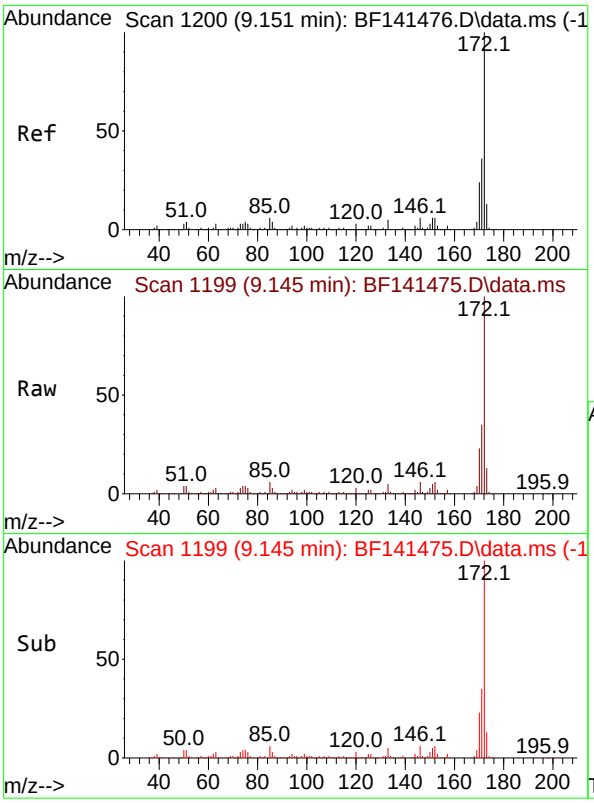


#44
2,4,5-Trichlorophenol
Concen: 21.240 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:196 Resp: 83112

Ion	Ratio	Lower	Upper
196	100		
198	100.6	79.8	119.8
97	51.7	44.8	67.2
132	28.6	23.9	35.9

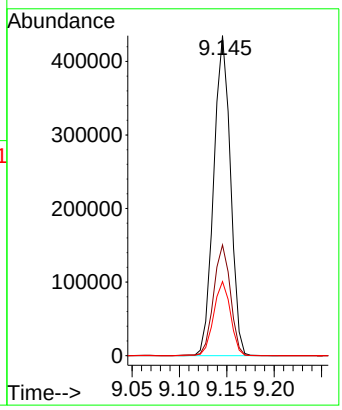




#45
2-Fluorobiphenyl
Concen: 42.674 ng
RT: 9.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:172 Resp: 53484

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.7	43.1
170	23.1	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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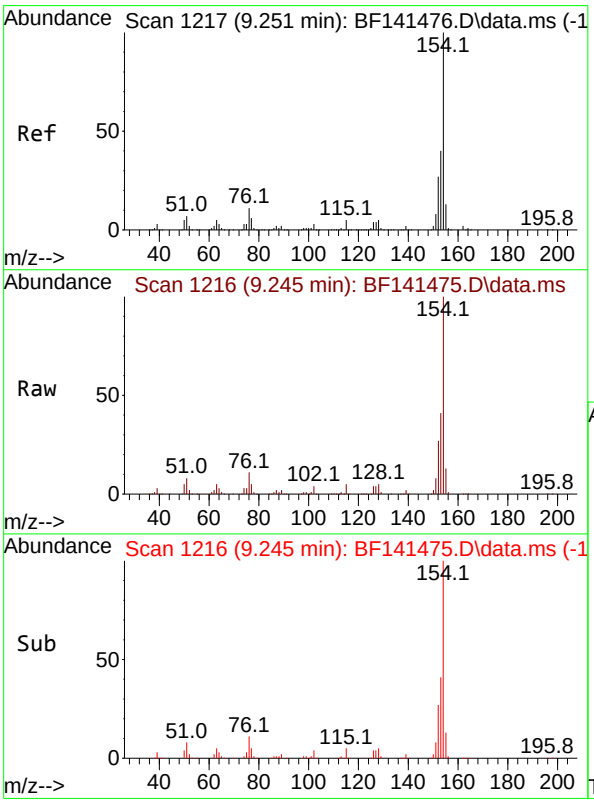
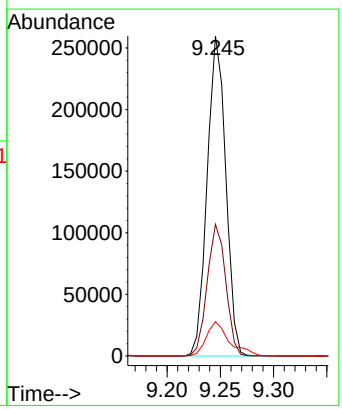
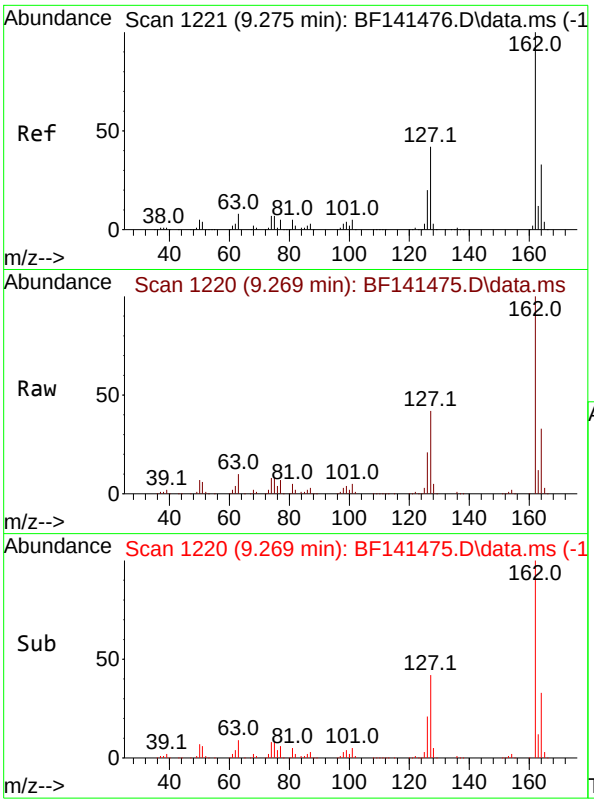


#46
1,1'-Biphenyl
Concen: 21.045 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:154 Resp: 315040

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.4	60.4
76	10.7	0.0	30.8

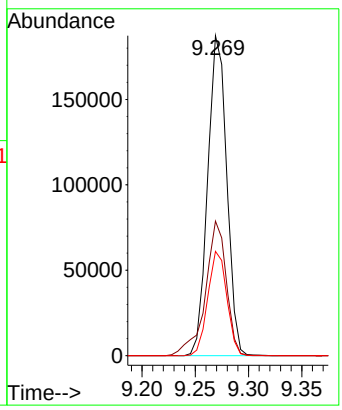




#47
2-Chloronaphthalene
Concen: 21.119 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:162 Resp: 23378

Ion	Ratio	Lower	Upper
162	100		
127	42.1	34.1	51.1
164	32.6	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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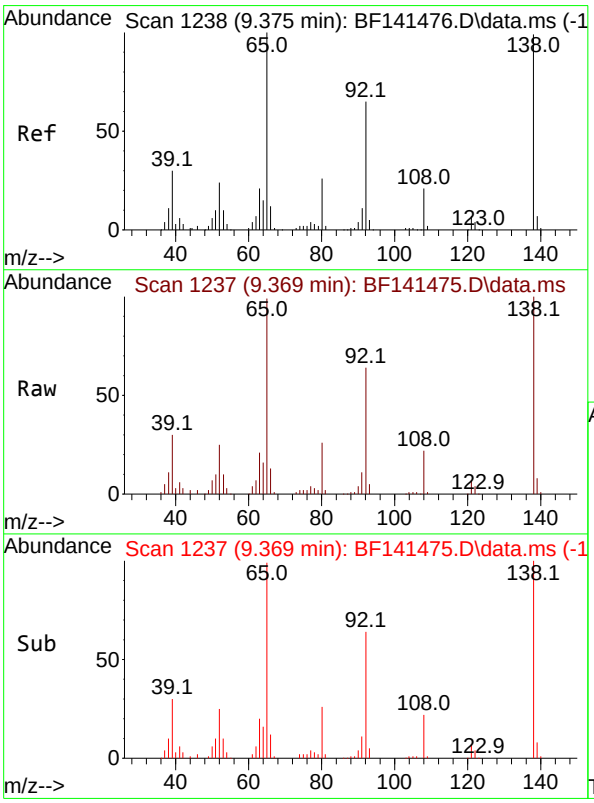
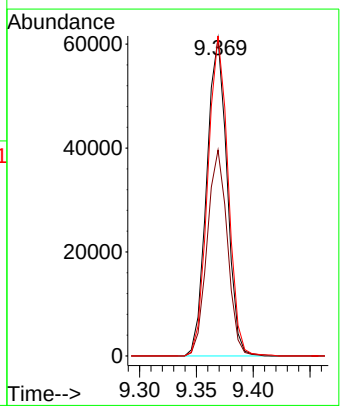
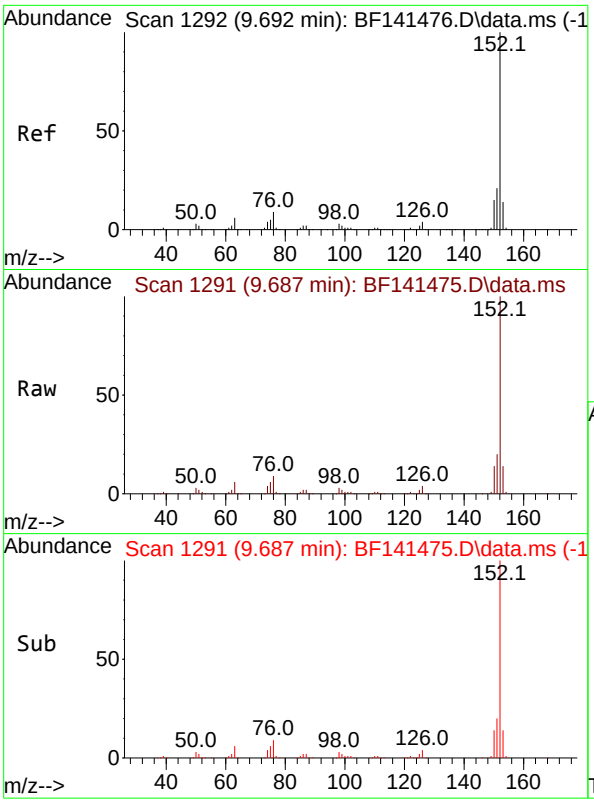


#48
2-Nitroaniline
Concen: 20.455 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 65 Resp: 75990

Ion	Ratio	Lower	Upper
65	100		
92	64.8	52.2	78.2
138	100.7	79.5	119.3

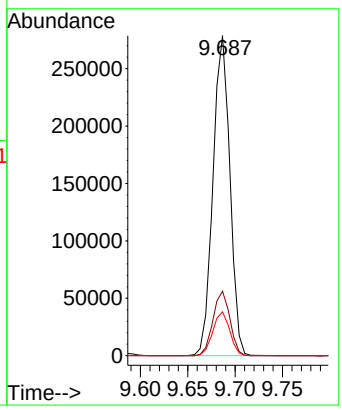




#49
Acenaphthylene
Concen: 21.004 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:152 Resp: 34582

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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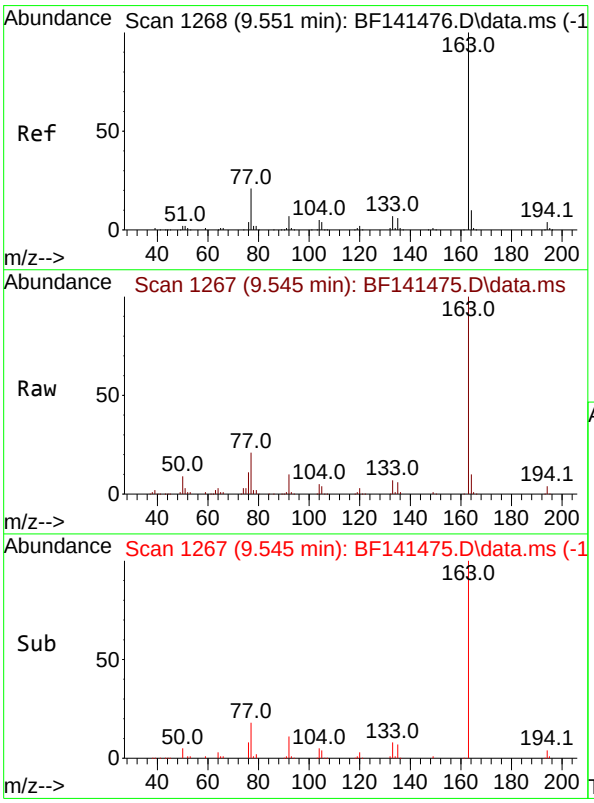
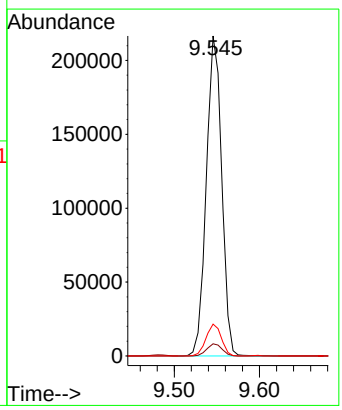
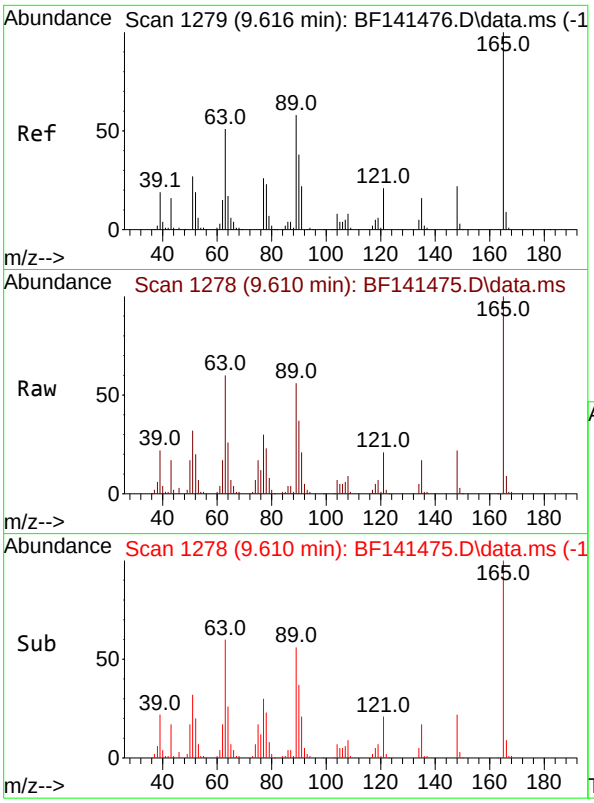


#50
Dimethylphthalate
Concen: 20.744 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:163 Resp: 271920

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.0	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 21.182 ng
RT: 9.610 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:165 Resp: 6070

Ion	Ratio	Lower	Upper
165	100		
63	59.8	49.4	74.0
89	56.3	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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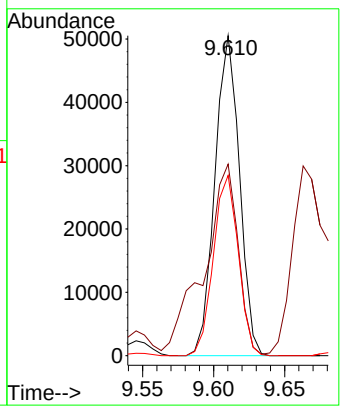
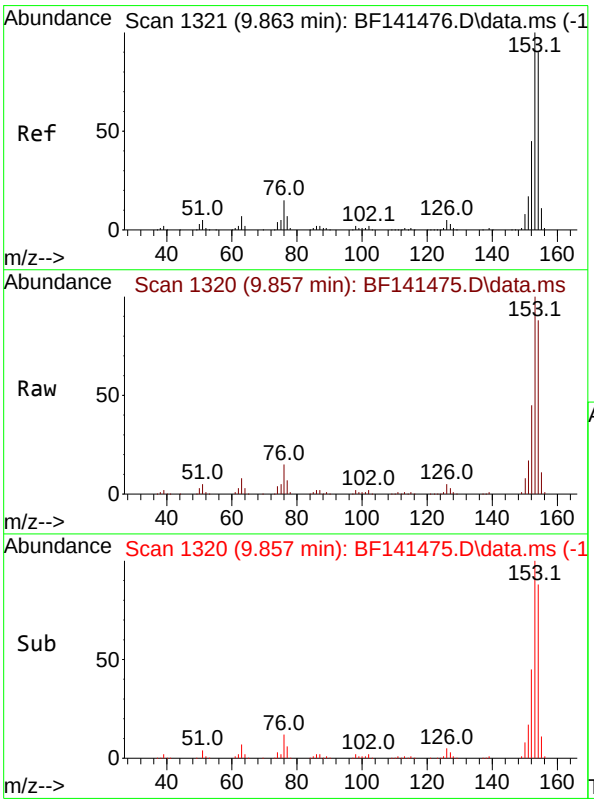
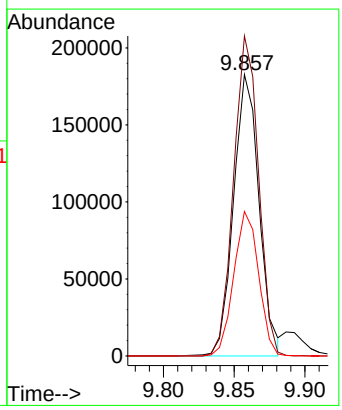


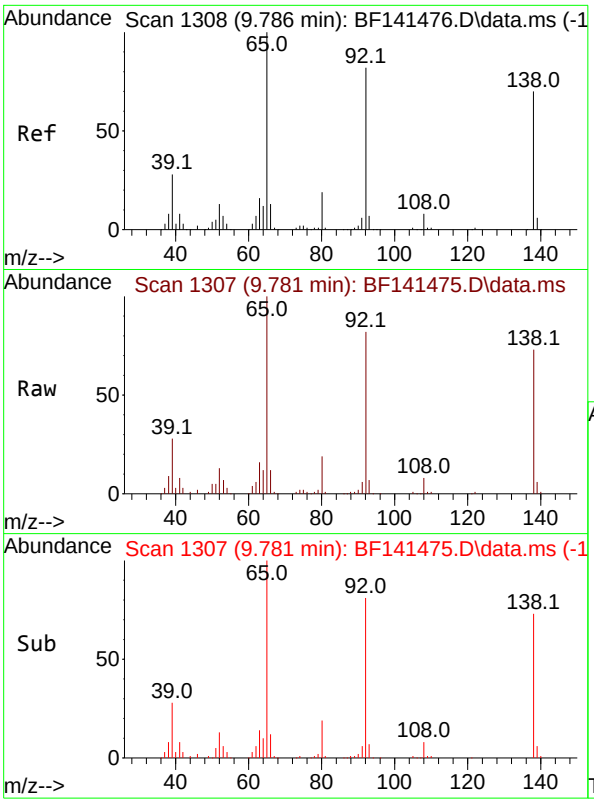


#52
Acenaphthene
Concen: 20.728 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:154 Resp: 229442

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.2	133.8
152	51.3	39.8	59.8





#53
3-Nitroaniline
Concen: 20.954 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:138 Resp: 6462

Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.0	13.4
92	112.5	93.7	140.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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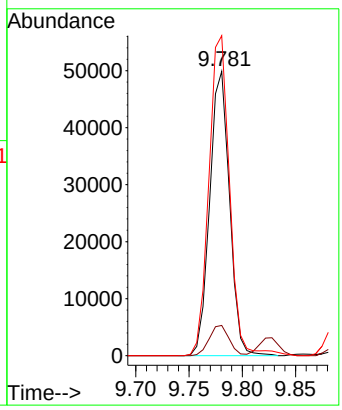
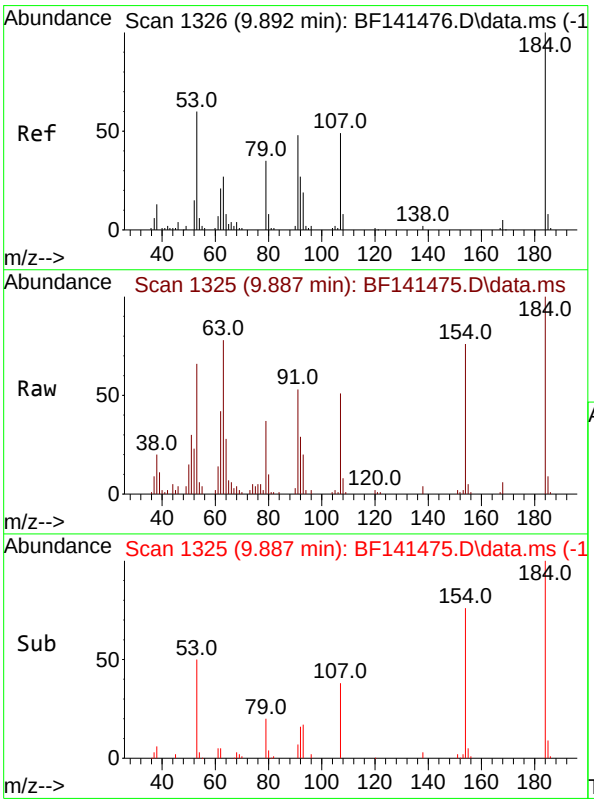
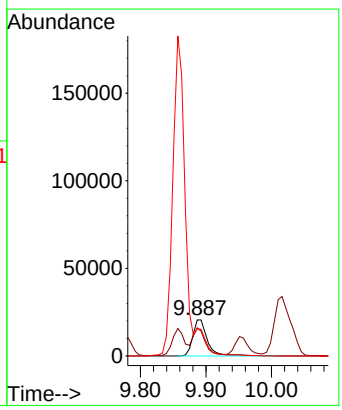


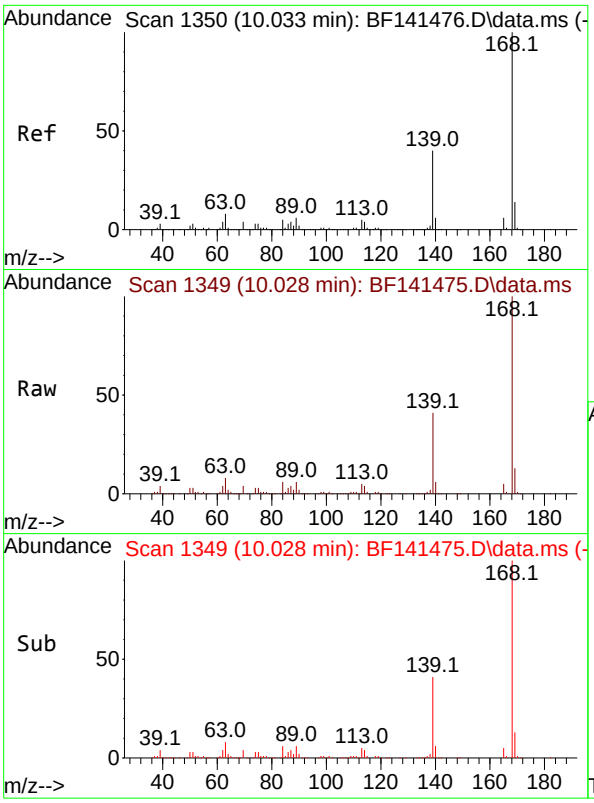


#54
2,4-Dinitrophenol
Concen: 18.898 ng
RT: 9.887 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:184 Resp: 32186

Ion	Ratio	Lower	Upper
184	100		
63	78.3	61.0	91.6
154	75.8	59.9	89.9

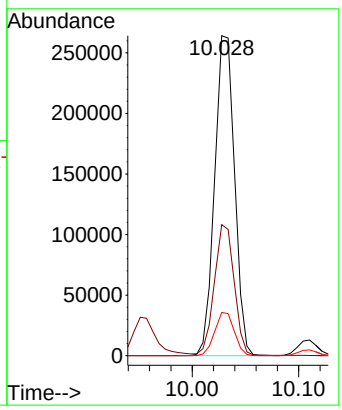




#55
Dibenzofuran
Concen: 21.087 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:168 Resp: 34262

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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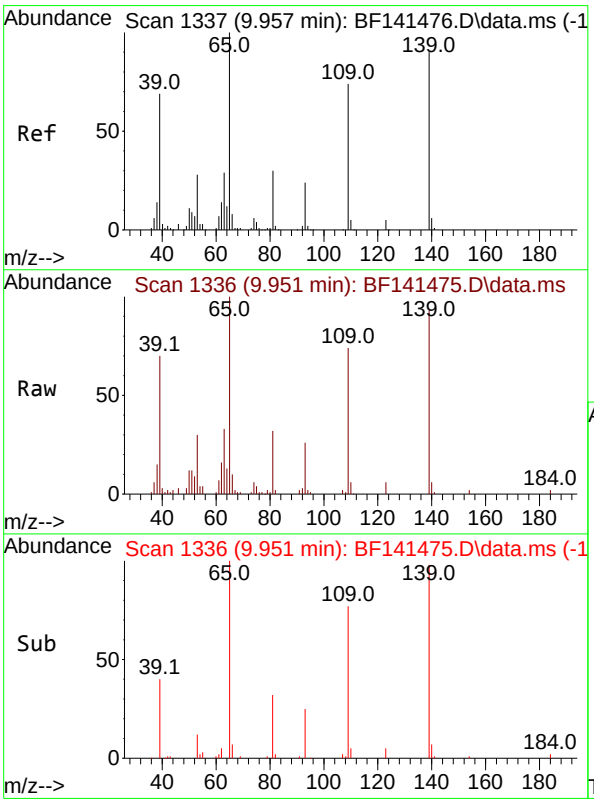
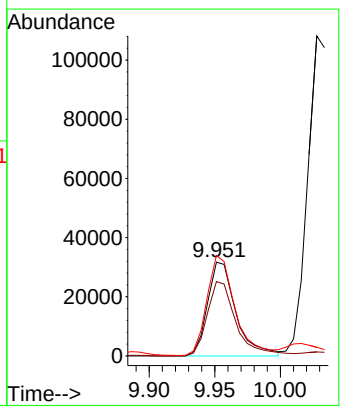
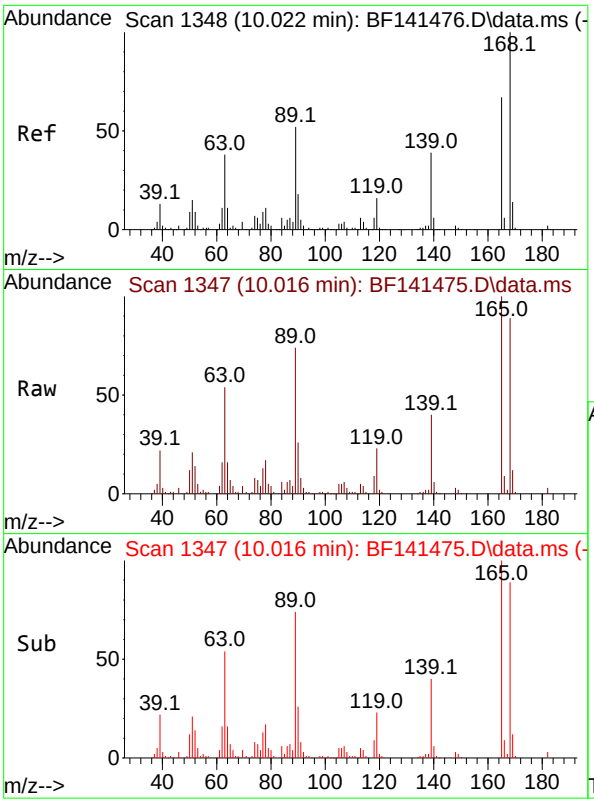


#56
4-Nitrophenol
Concen: 20.843 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:139 Resp: 47721

Ion	Ratio	Lower	Upper
139	100		
109	79.3	62.0	102.0
65	107.1	91.2	131.2

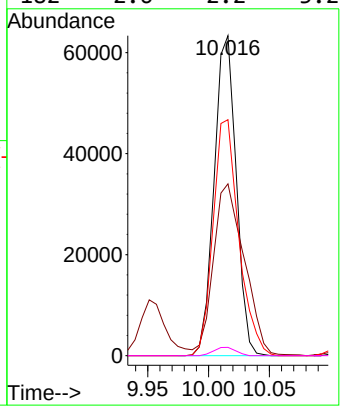




#57
2,4-Dinitrotoluene
Concen: 20.936 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:165 Resp: 7986

Ion	Ratio	Lower	Upper
165	100		
63	53.7	46.4	69.6
89	73.8	61.8	92.6
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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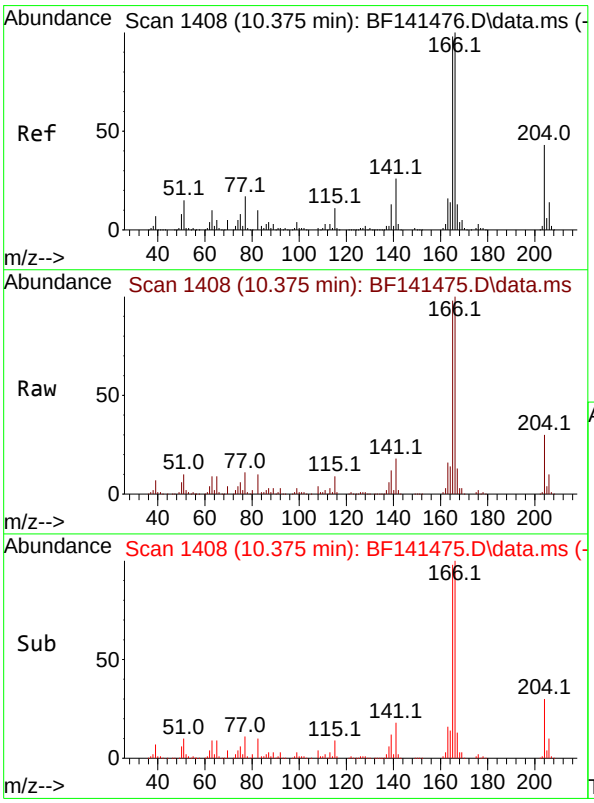
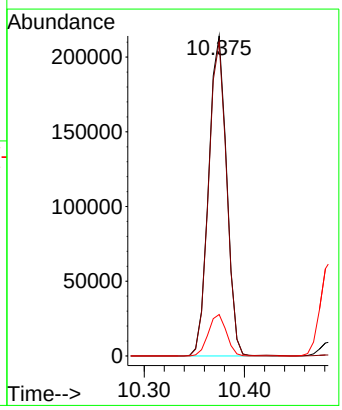
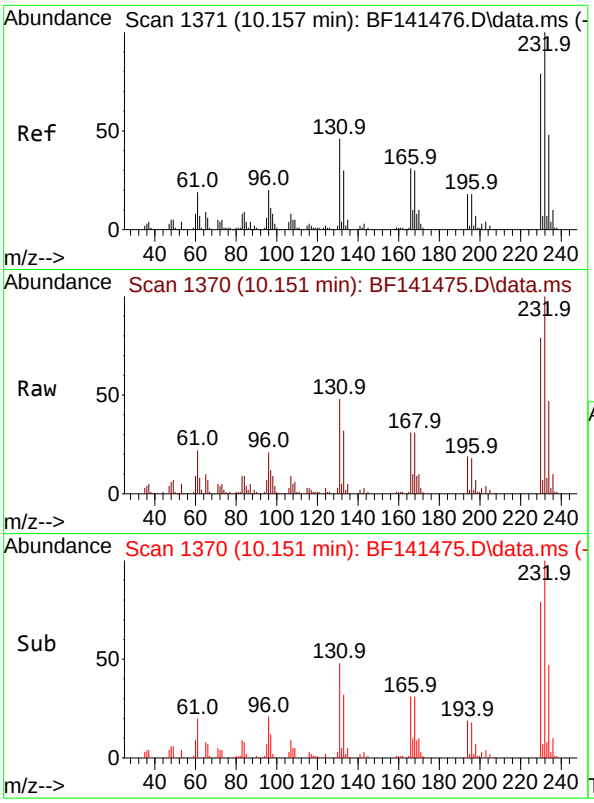


#58
Fluorene
Concen: 21.159 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:166 Resp: 265810

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.2	117.2
167	13.0	10.7	16.1

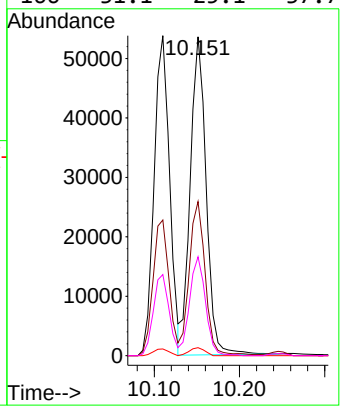




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.579 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:232 Resp: 6932

Ion	Ratio	Lower	Upper
232	100		
131	49.0	39.2	58.8
130	2.4	2.1	3.1
166	31.1	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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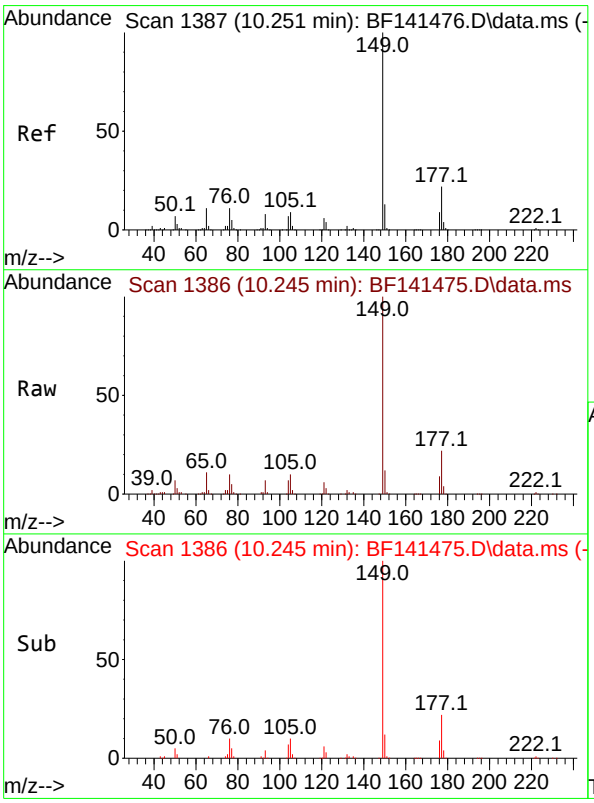
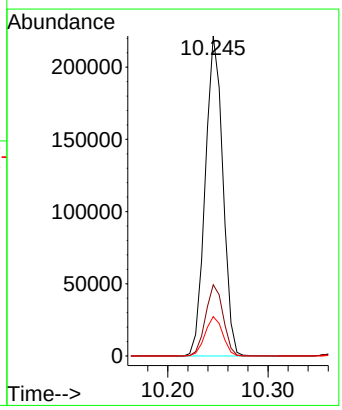
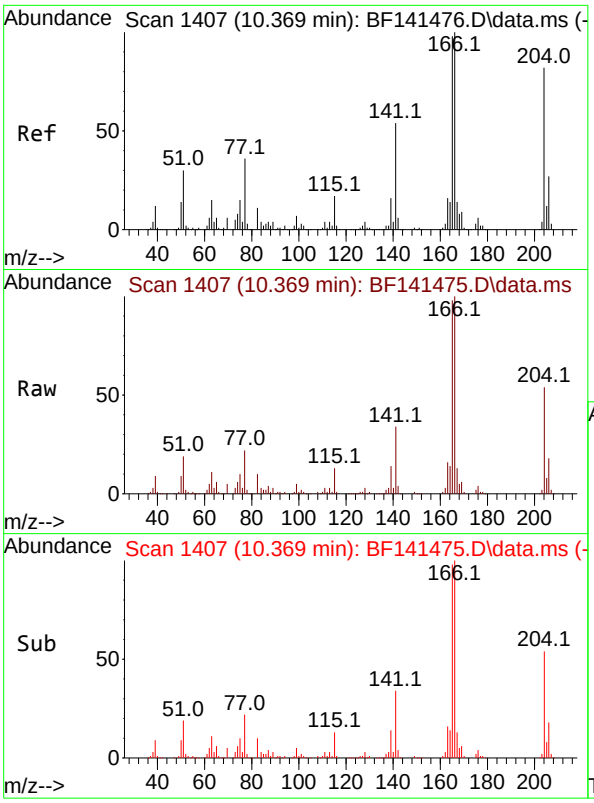


#60
Diethylphthalate
Concen: 20.936 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 270018

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.3	10.1	15.1

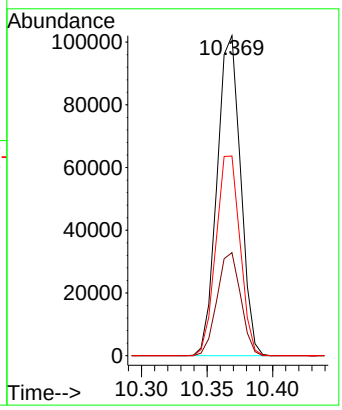




#61
4-Chlorophenyl-phenylether
Concen: 21.049 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:204 Resp: 12721(

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.6	40.0
141	62.4	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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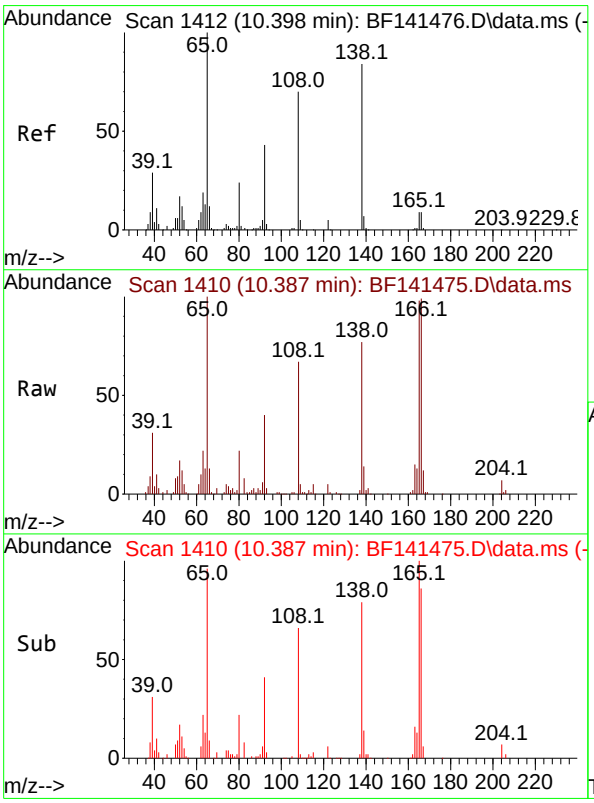
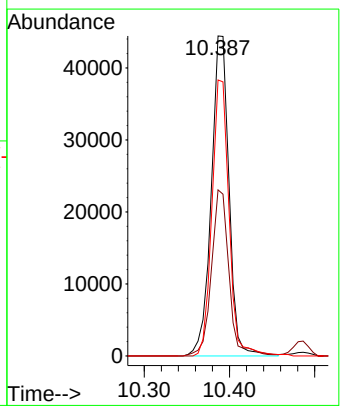
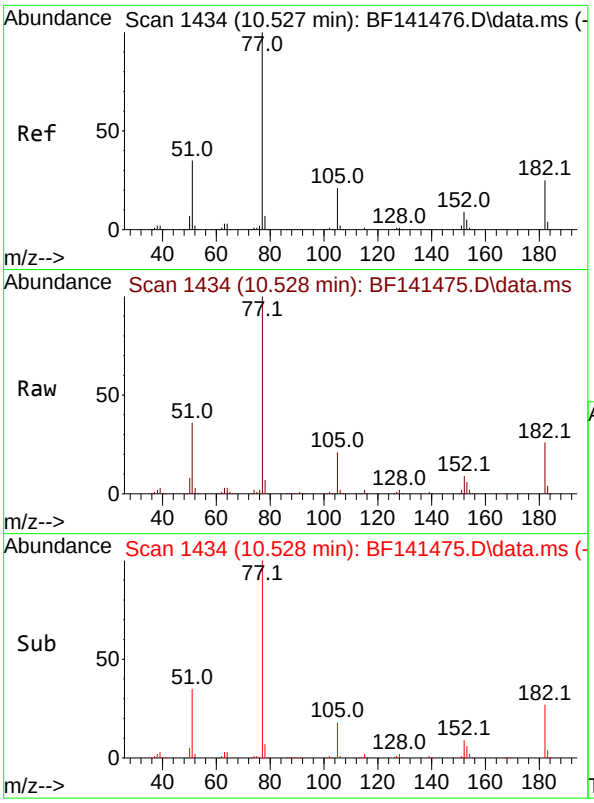


#62
4-Nitroaniline
Concen: 20.519 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:138 Resp: 64262

Ion	Ratio	Lower	Upper
138	100		
92	51.9	31.3	71.3
108	86.2	63.7	103.7

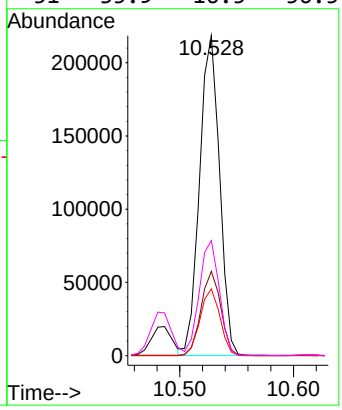




#63
Azobenzene
Concen: 20.853 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 77 Resp: 26737

Ion	Ratio	Lower	Upper
77	100		
182	26.4	4.7	44.7
105	20.9	0.4	40.4
51	35.9	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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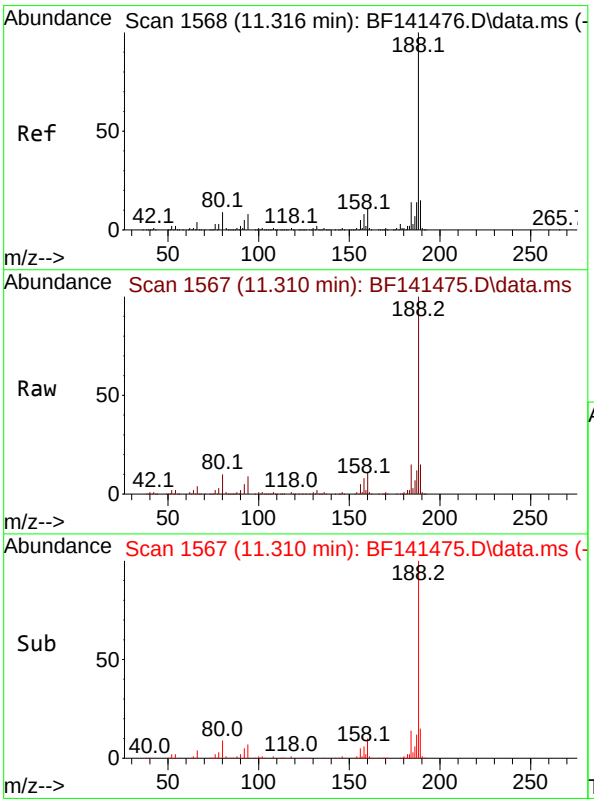
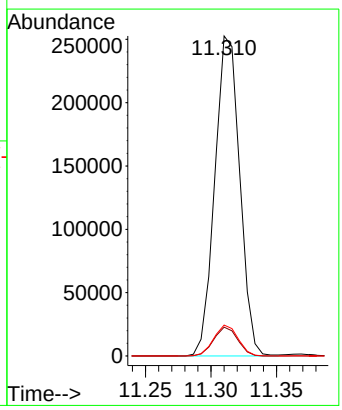
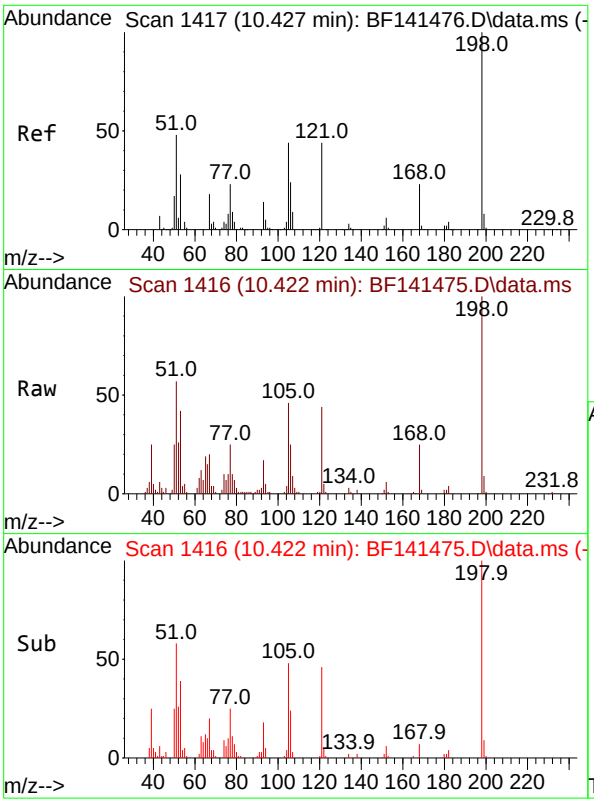


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:188 Resp: 333651

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.7	7.3	10.9

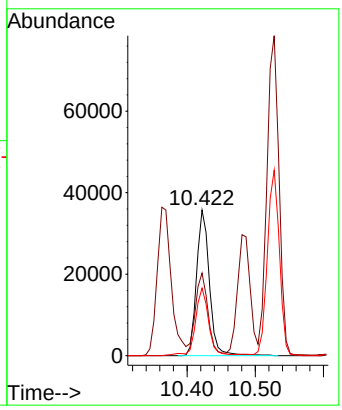




#65
4,6-Dinitro-2-methylphenol
Concen: 20.226 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:198 Resp: 4687

Ion	Ratio	Lower	Upper
198	100		
51	56.7	37.4	77.4
105	46.4	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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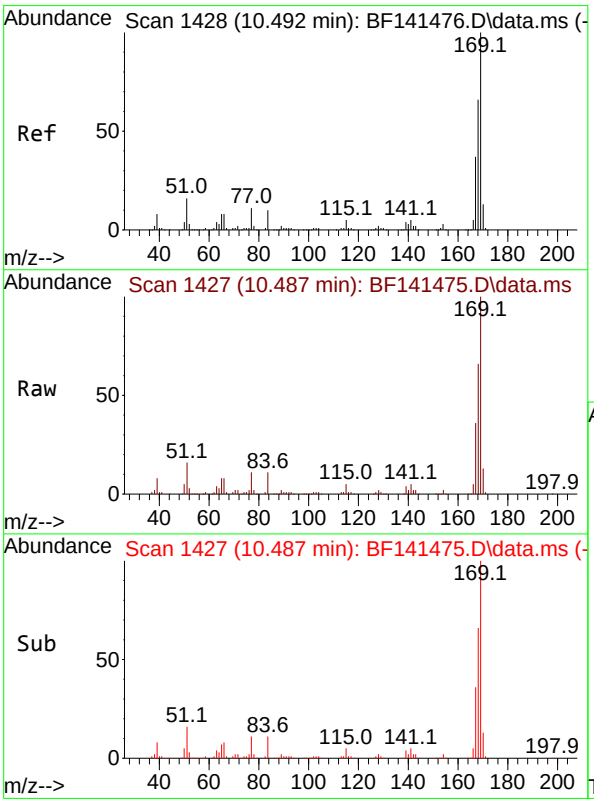
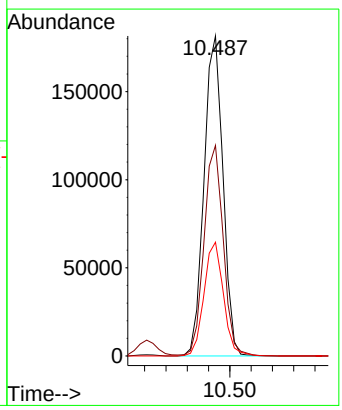
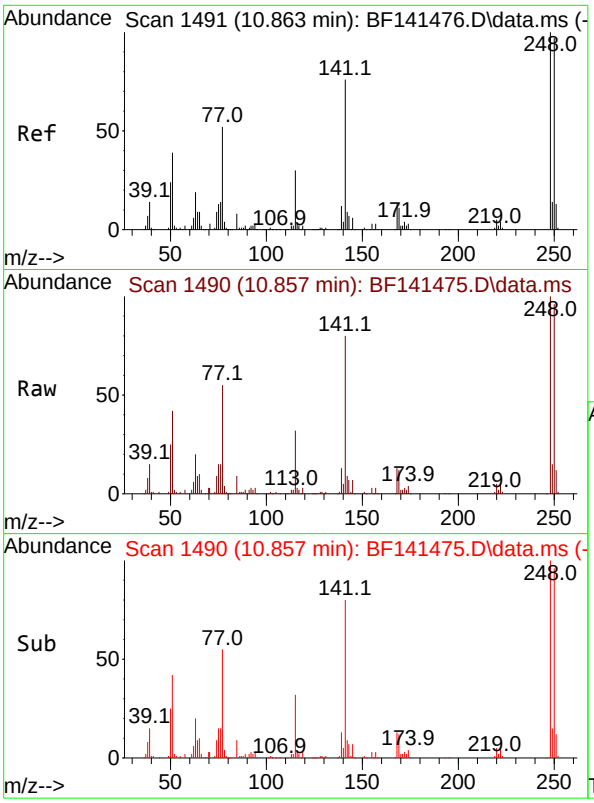


#66
n-Nitrosodiphenylamine
Concen: 21.045 ng
RT: 10.487 min Scan# 1427
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:169 Resp: 224776

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.3	79.9
167	35.6	29.4	44.2

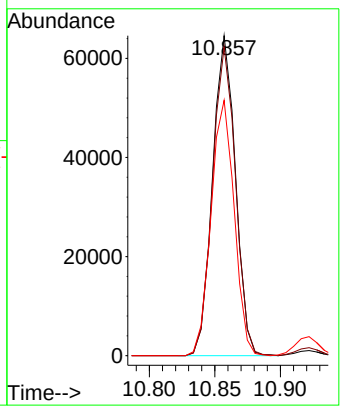




#67
4-Bromophenyl-phenylether
Concen: 20.962 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:248 Resp: 7816

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.8	116.6
141	79.8	60.6	90.8



Instrument :
BNA_F
ClientSampleId :
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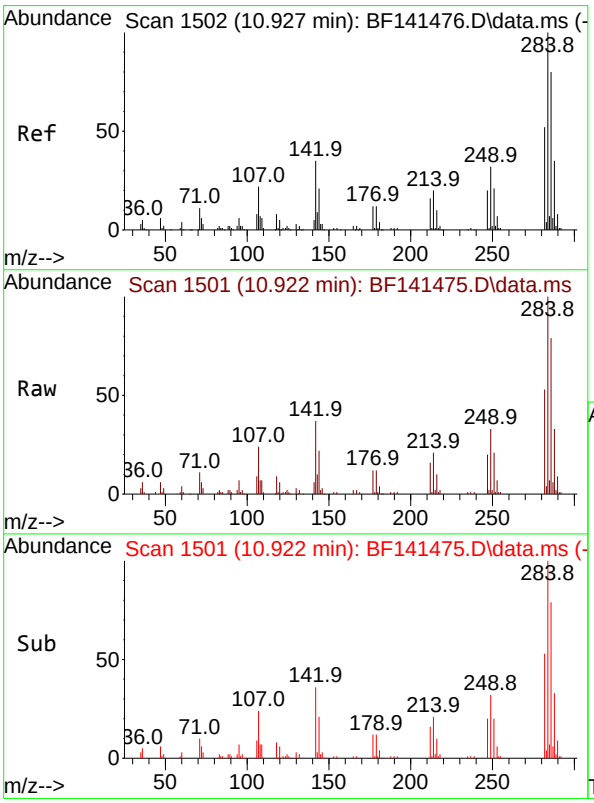
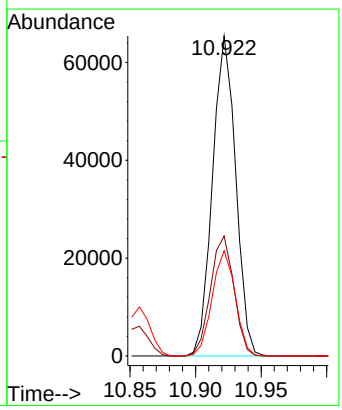
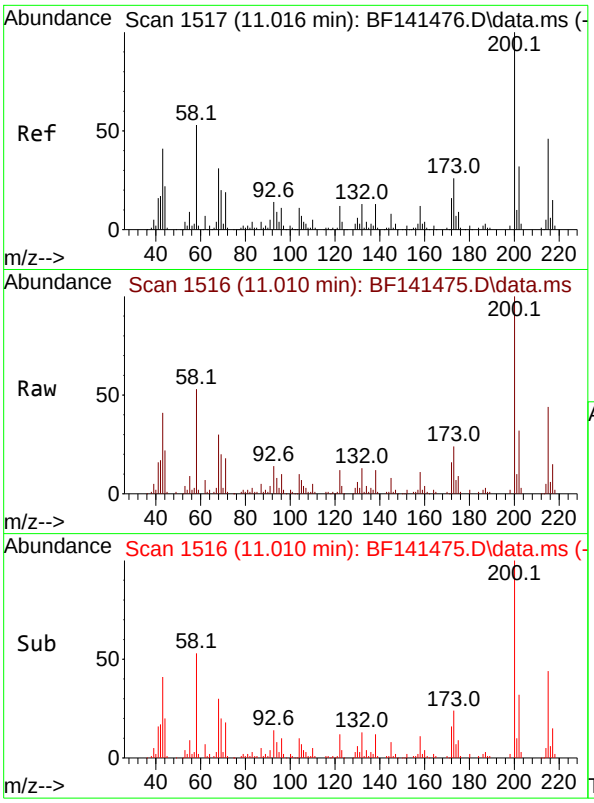


#68
Hexachlorobenzene
Concen: 20.913 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:284 Resp: 80301

Ion	Ratio	Lower	Upper
284	100		
142	37.5	28.0	42.0
249	32.9	25.8	38.8

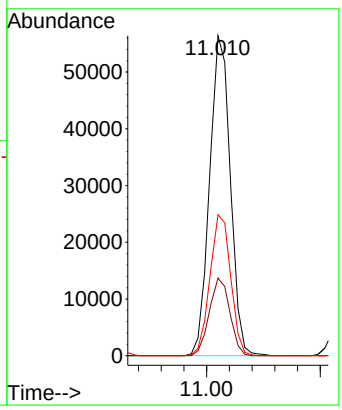




#69
Atrazine
Concen: 22.271 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:200 Resp: 7135

Ion	Ratio	Lower	Upper
200	100		
173	24.3	5.9	45.9
215	44.1	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
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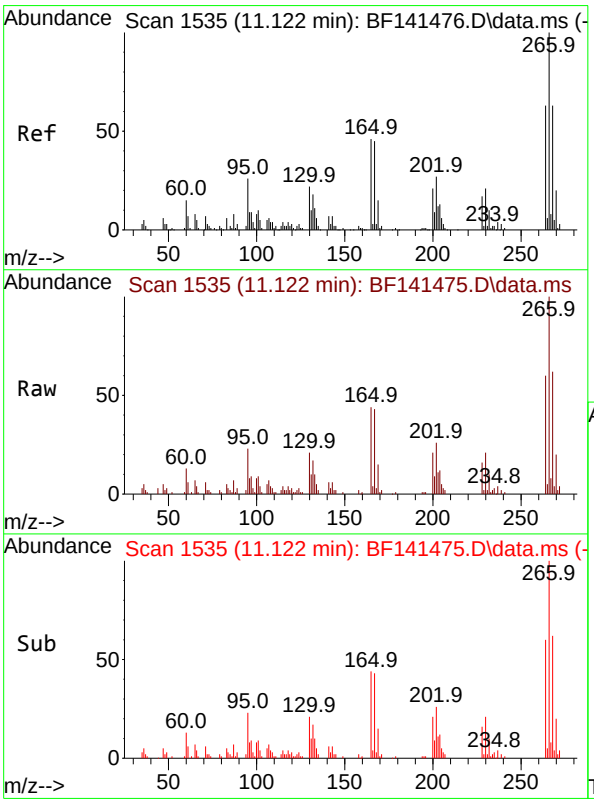
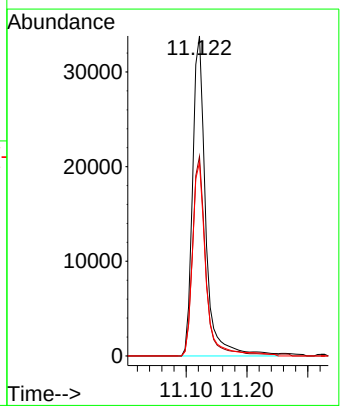
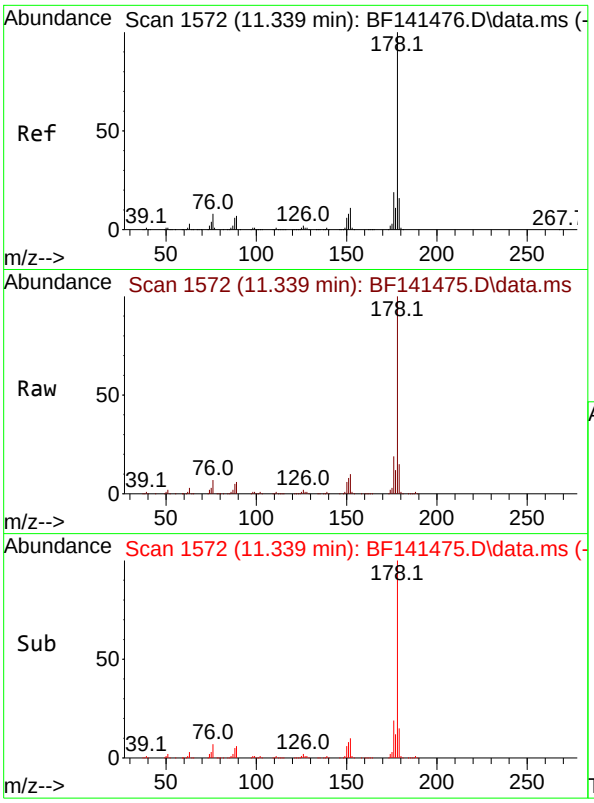


#70
Pentachlorophenol
Concen: 20.584 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:266 Resp: 50539

Ion	Ratio	Lower	Upper
266	100		
268	62.4	50.1	75.1
264	60.5	50.1	75.1

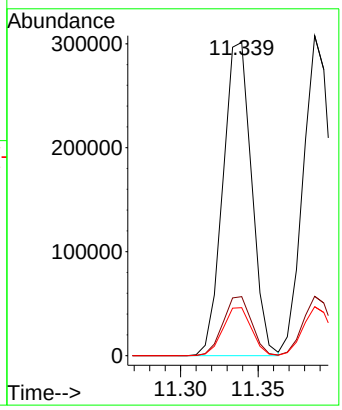




#71
Phenanthrene
Concen: 21.085 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:178 Resp: 38725

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.3	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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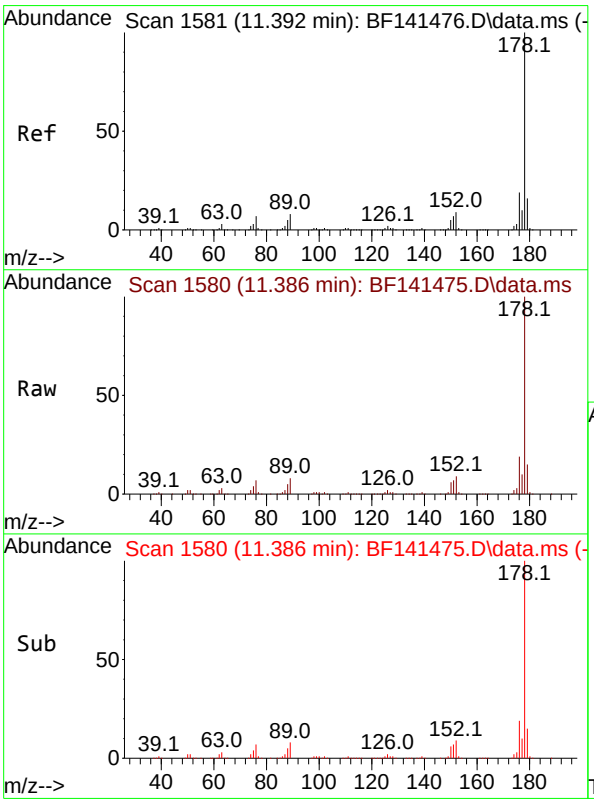
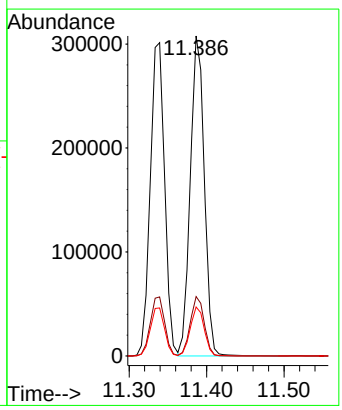
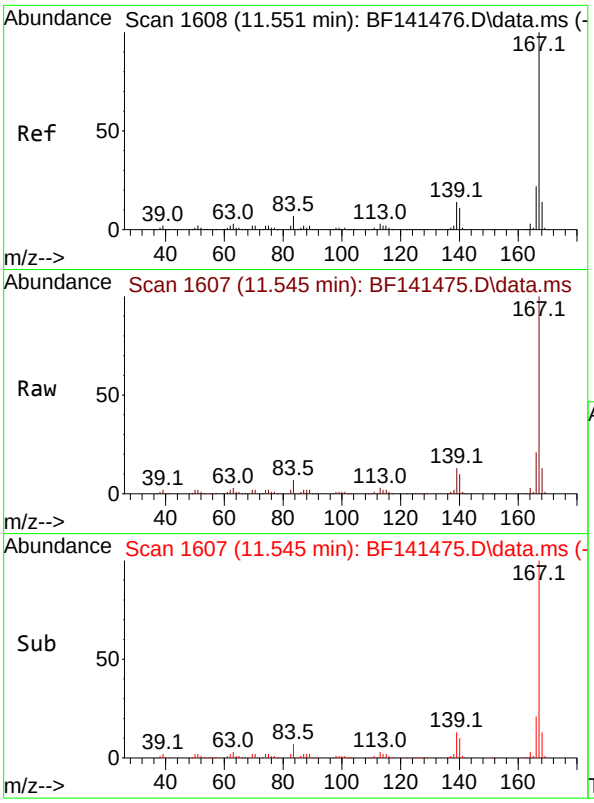


#72
Anthracene
Concen: 20.930 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:178 Resp: 386414

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.4	18.6

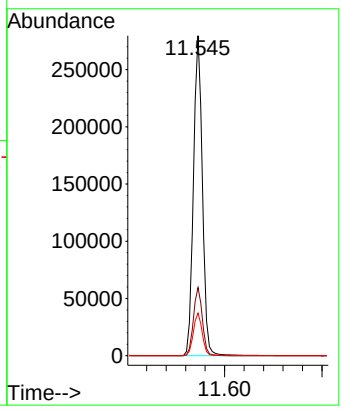




#73
Carbazole
Concen: 21.610 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:167 Resp: 35898

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.2
139	13.3	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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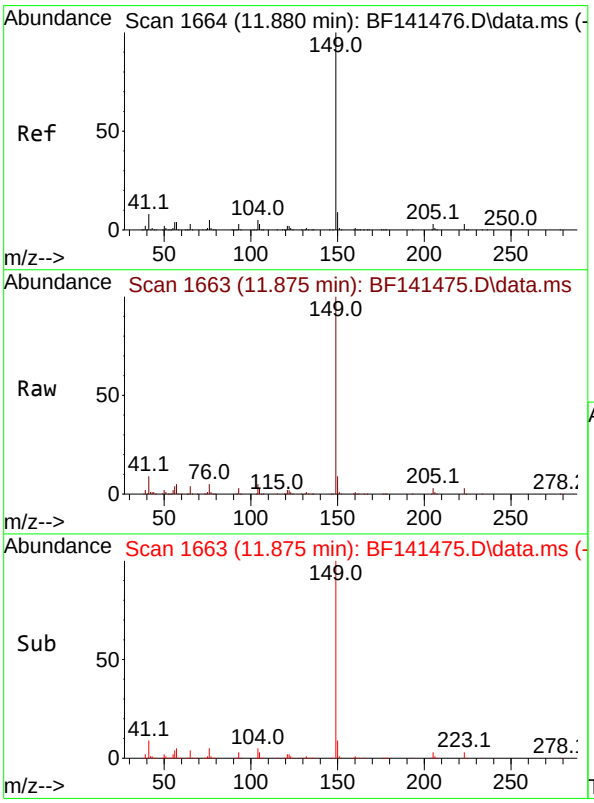
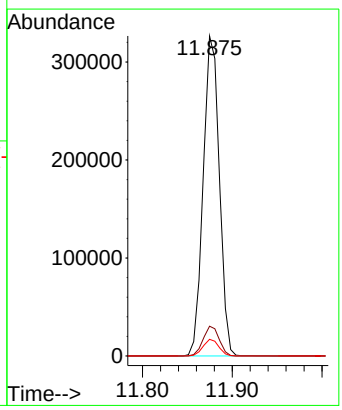
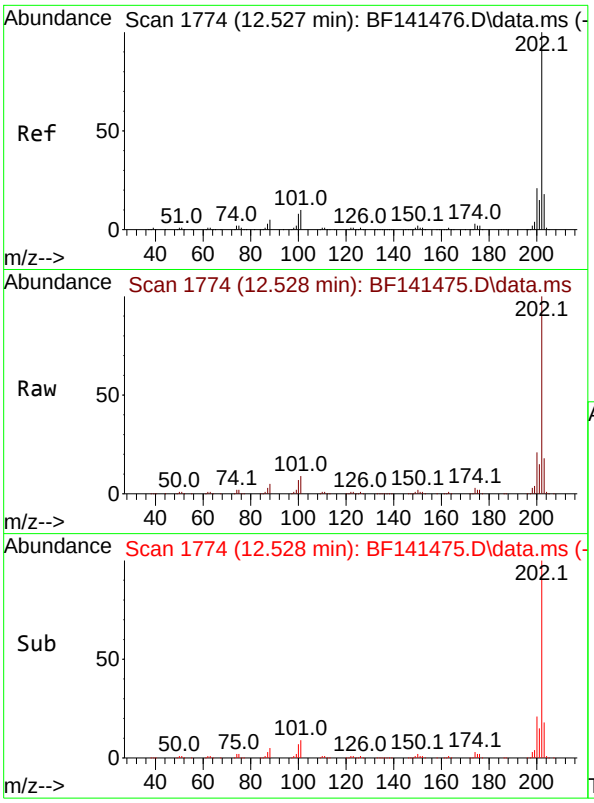


#74
Di-n-butylphthalate
Concen: 21.273 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 408041

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2

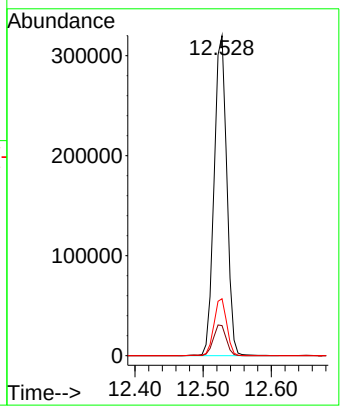




#75
Fluoranthene
Concen: 21.298 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:202 Resp: 41471

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	17.8	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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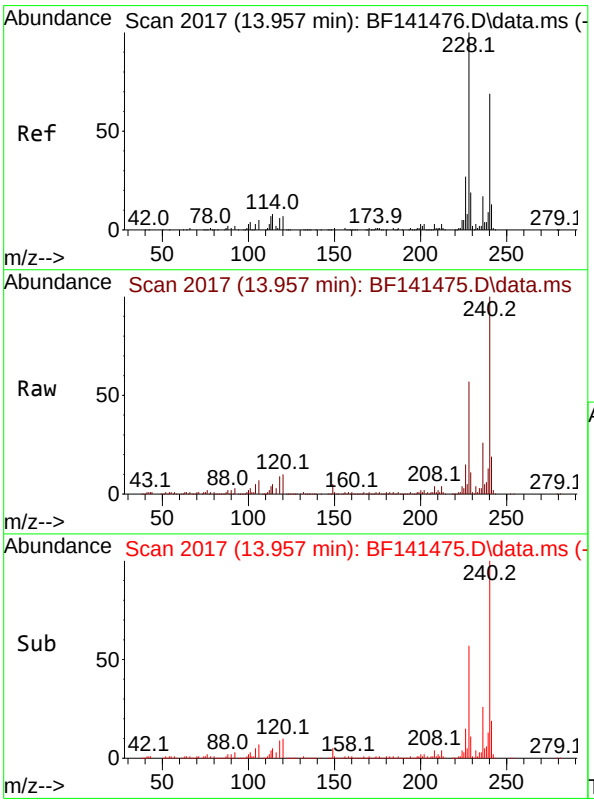
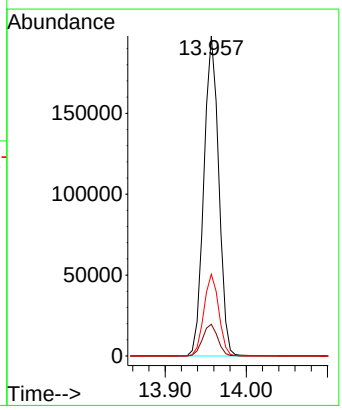
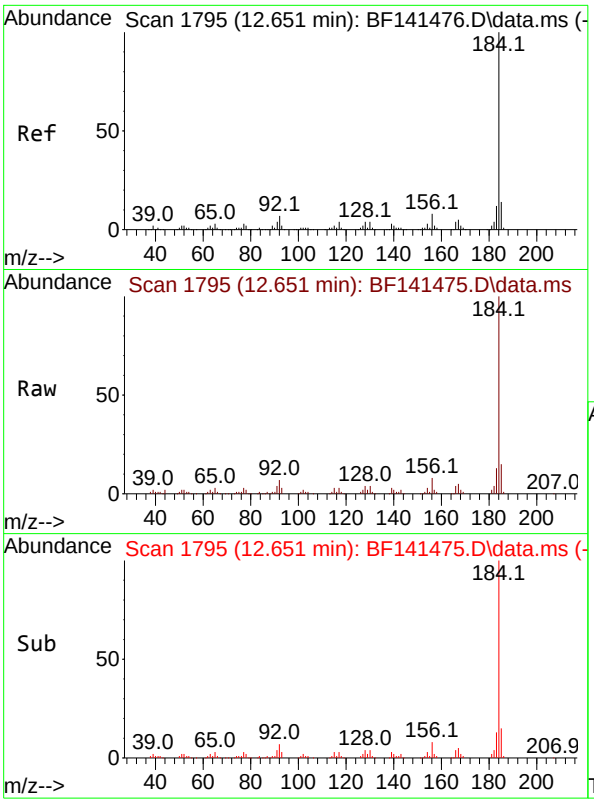


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:240 Resp: 251741

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.0	12.0
236	25.5	19.8	29.8

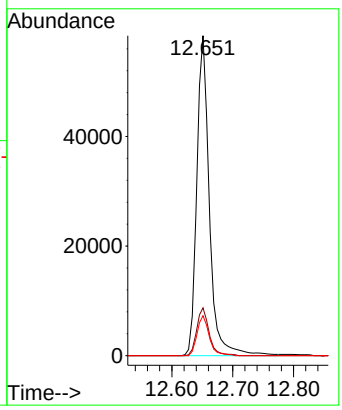




#77
Benzidine
Concen: 15.132 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:184 Resp: 8401

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.3	16.9
183	12.5	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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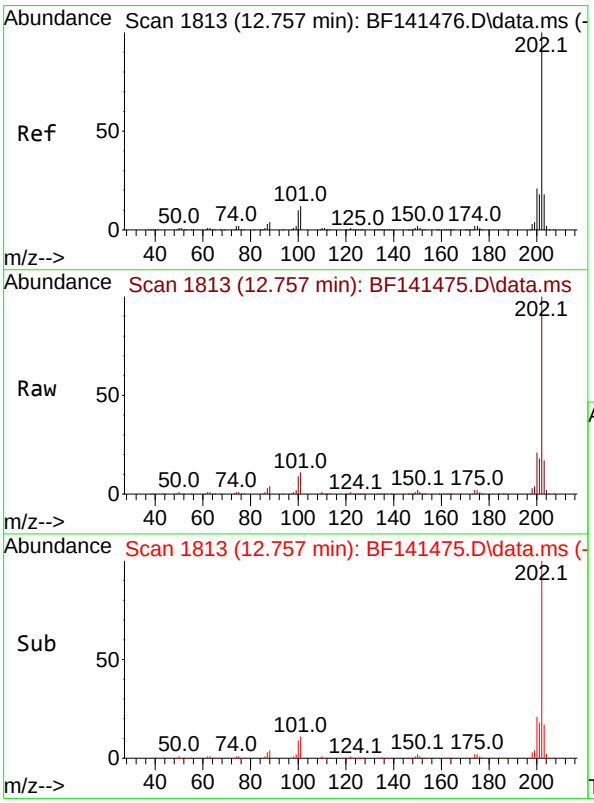
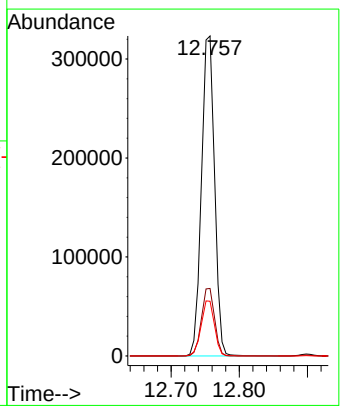
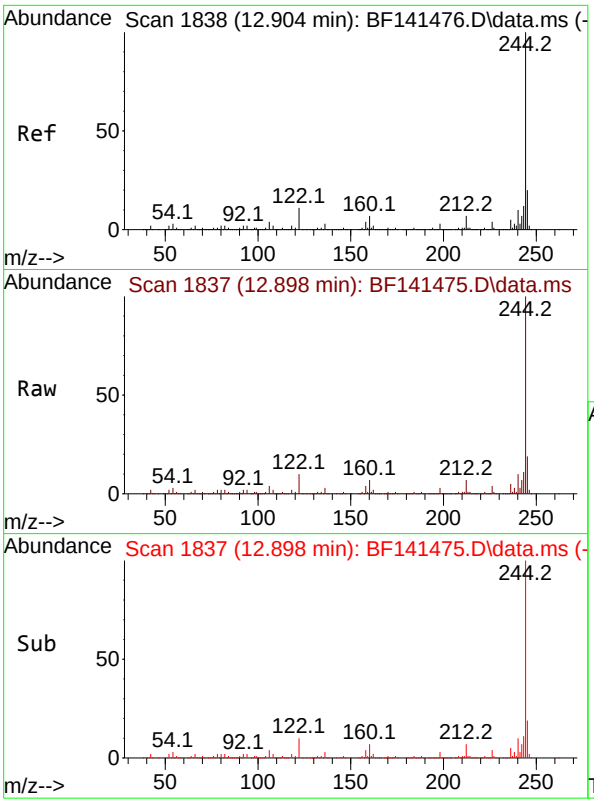


#78
Pyrene
Concen: 20.169 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:202 Resp: 432216

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.1	14.3	21.5

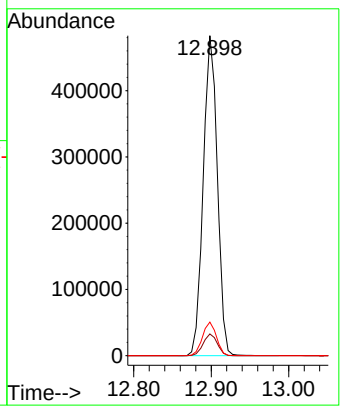




#79
Terphenyl-d14
Concen: 40.894 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:244 Resp: 60981

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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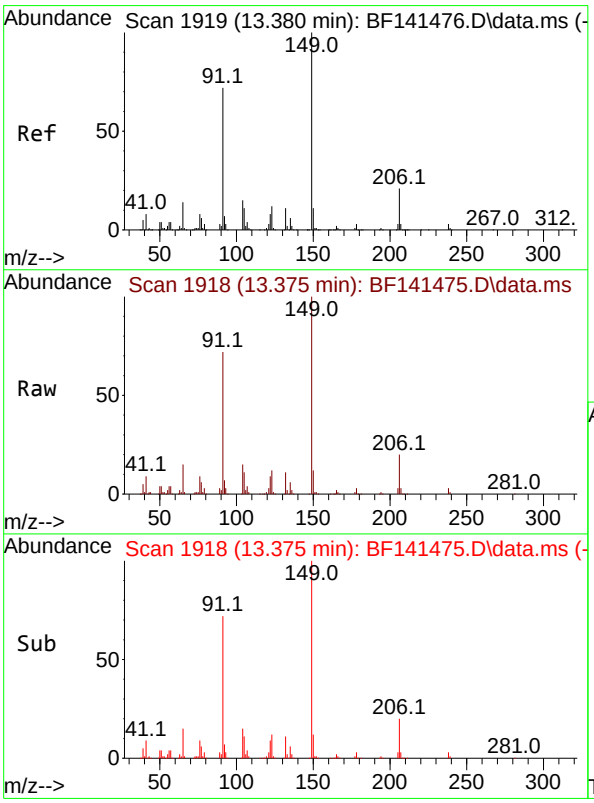
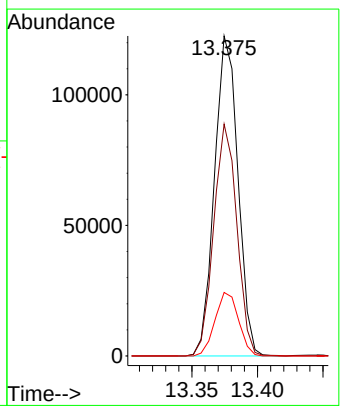
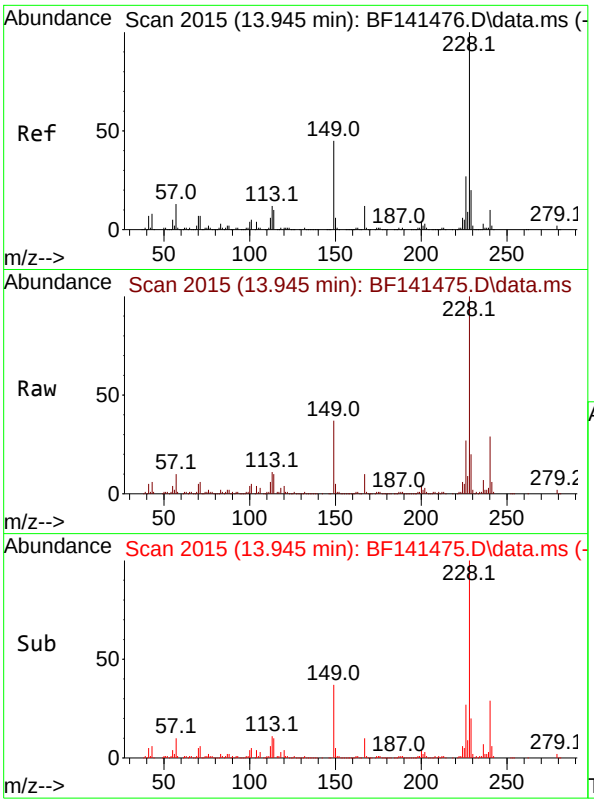


#80
Butylbenzylphthalate
Concen: 20.502 ng
RT: 13.375 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 152184

Ion	Ratio	Lower	Upper
149	100		
91	72.5	57.8	86.8
206	19.8	16.7	25.1

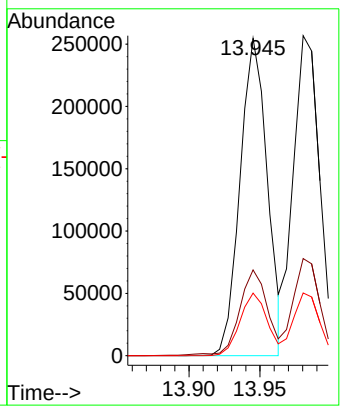




#81
Benzo(a)anthracene
Concen: 20.310 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:228 Resp: 33987

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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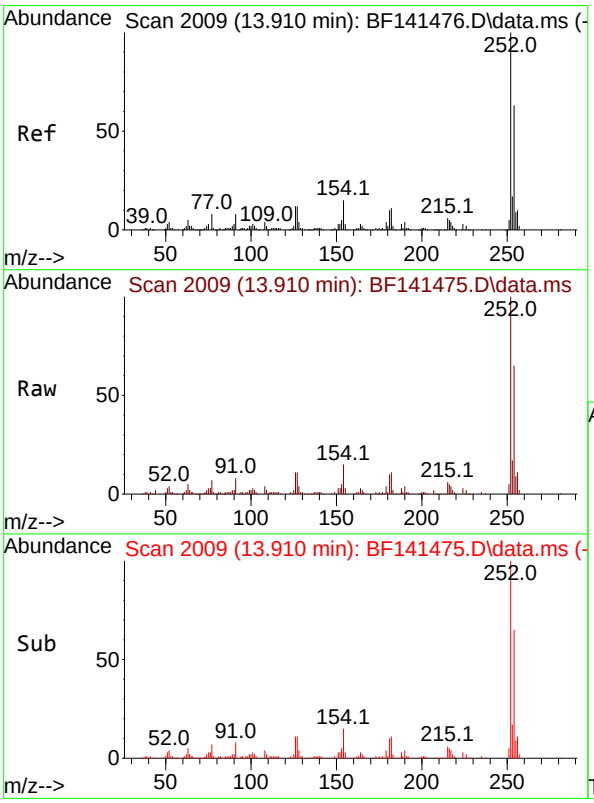
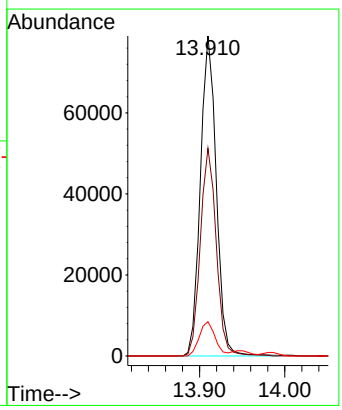
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

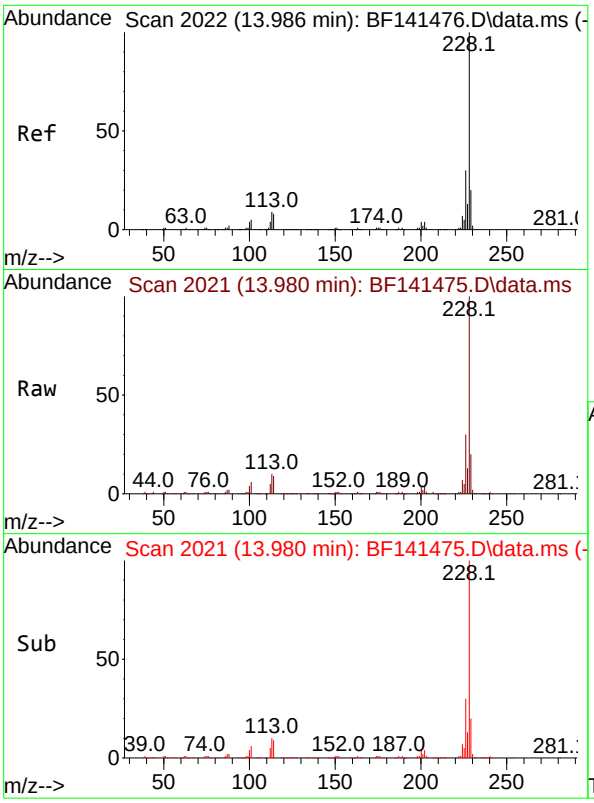


#82
3,3'-Dichlorobenzidine
Concen: 21.355 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 102367

Ion	Ratio	Lower	Upper
252	100		
254	64.9	50.6	76.0
126	10.7	9.3	13.9

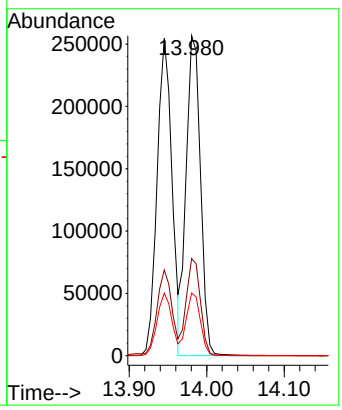




#83
Chrysene
Concen: 21.411 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:228 Resp: 33082

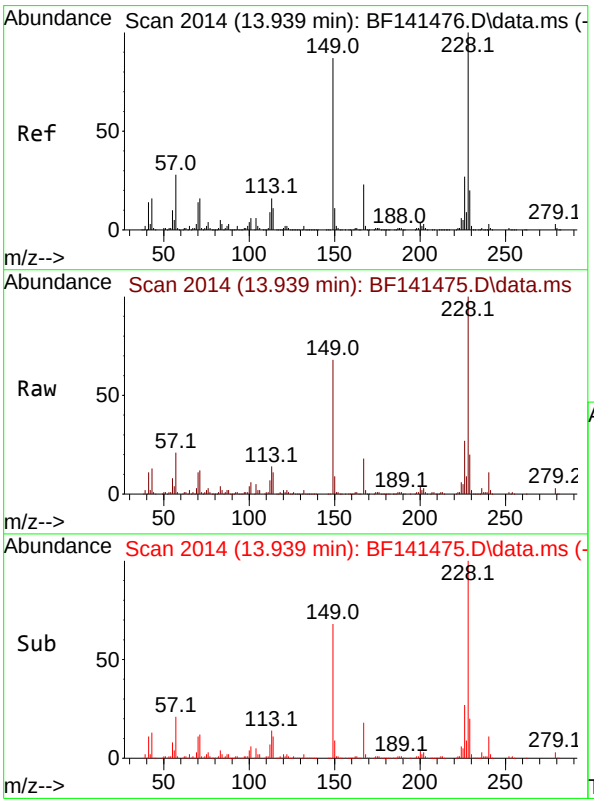
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	19.6	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

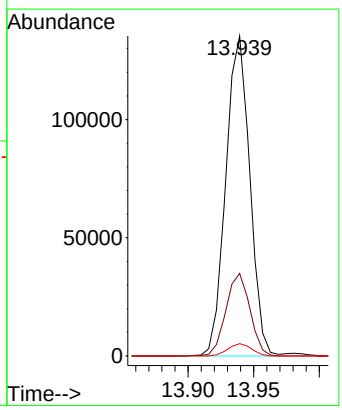
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

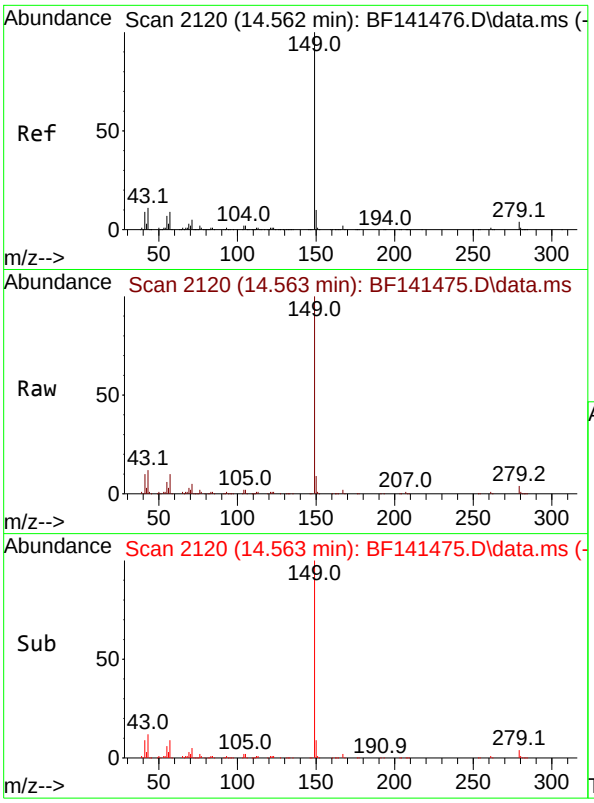


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.588 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 172352

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.4	32.0
279	3.9	3.1	4.7

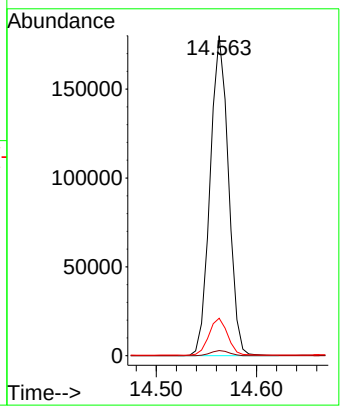




#85
Di-n-octyl phthalate
Concen: 19.180 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 22906

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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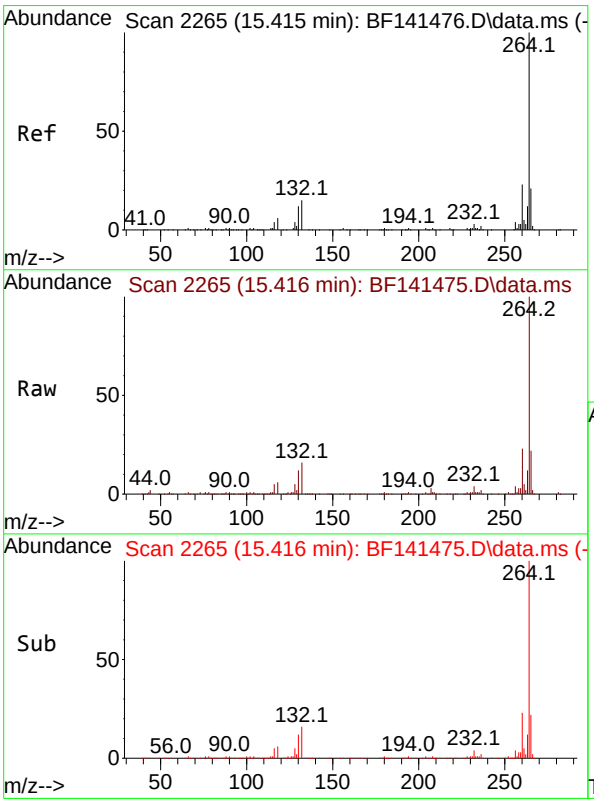
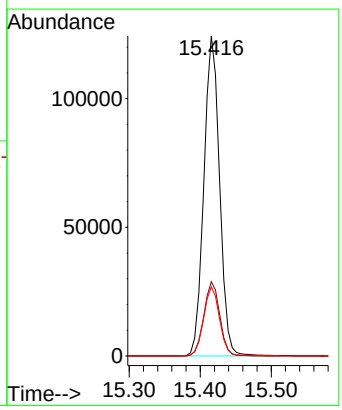
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

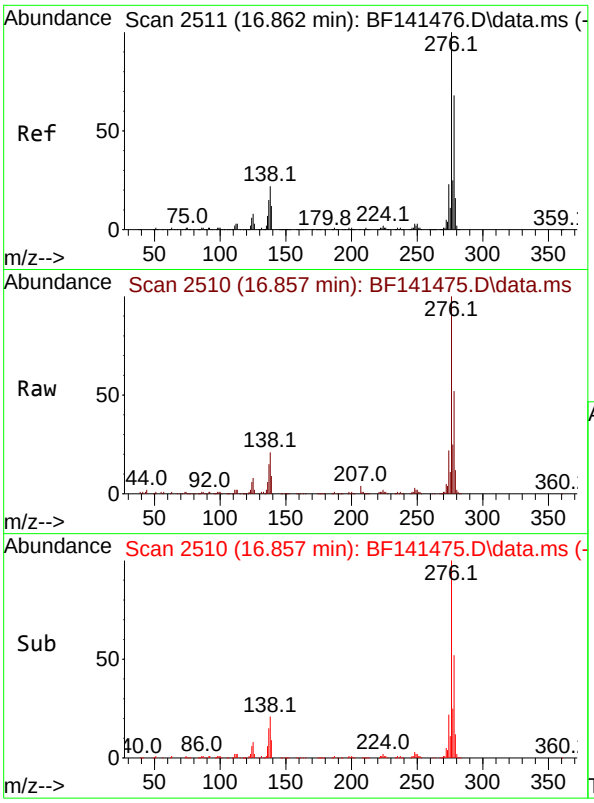


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:264 Resp: 191435

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.6	17.0	25.4

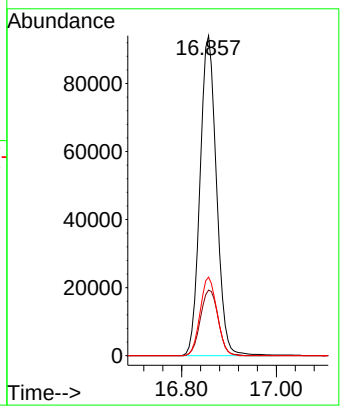




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.200 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:276 Resp: 22710

Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.0	27.0
277	25.1	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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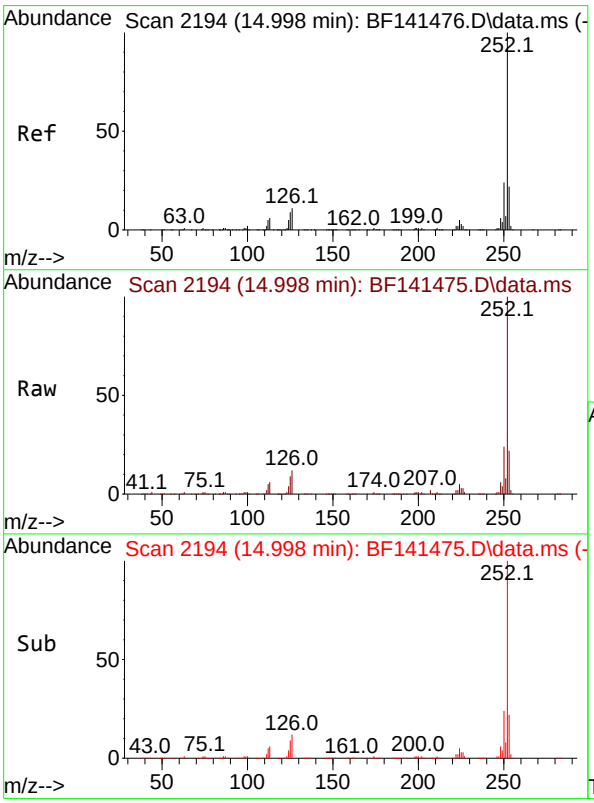
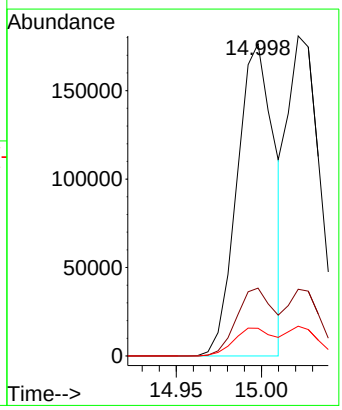
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

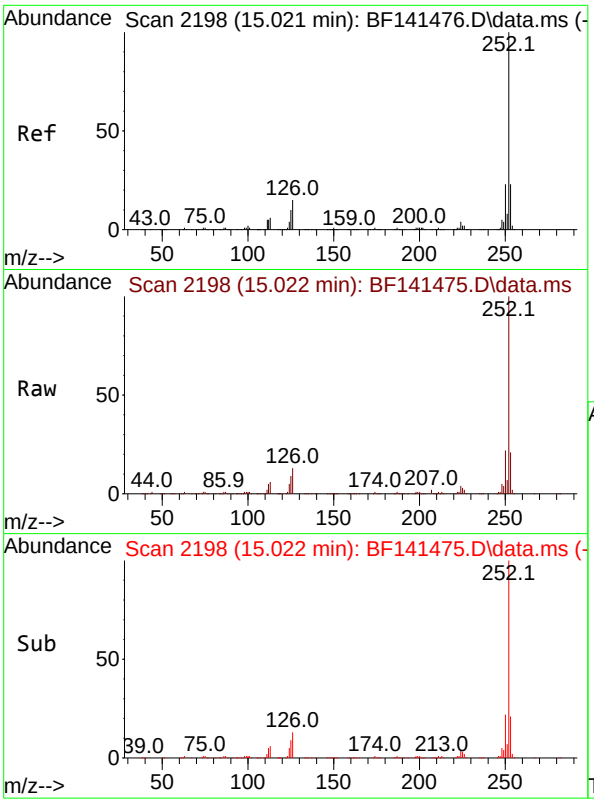


#88
Benzo(b)fluoranthene
Concen: 20.826 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 267695

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	8.9	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 21.747 ng
RT: 15.022 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 23869

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.0	27.0
125	9.3	7.4	11.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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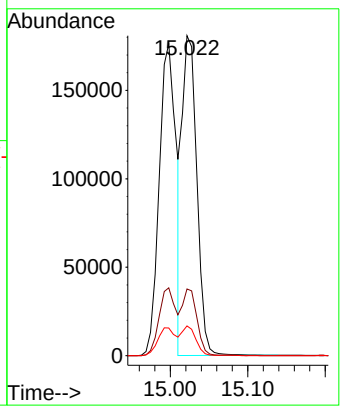
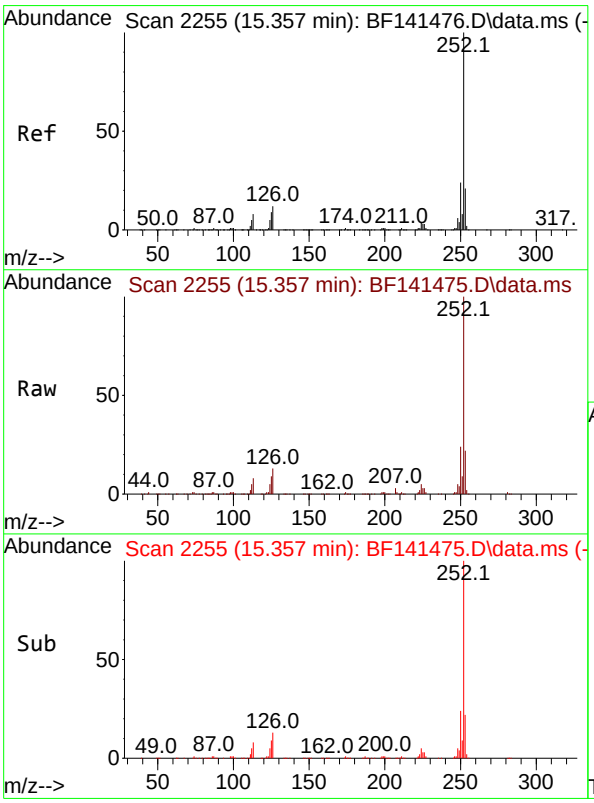
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

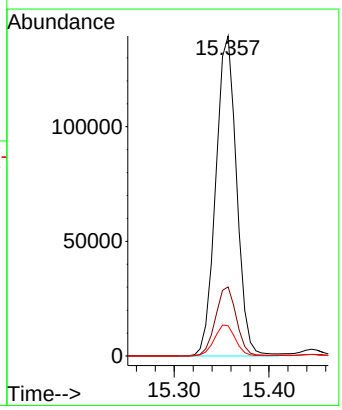


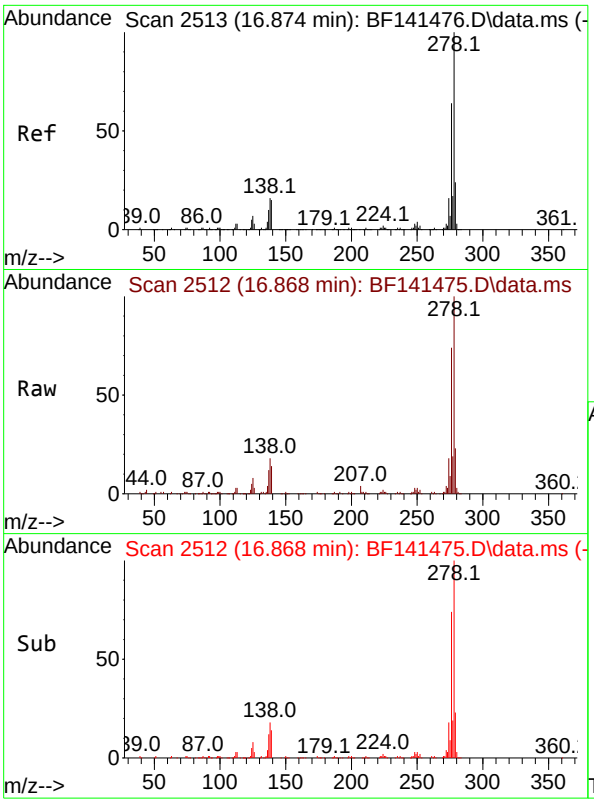


#90
Benzo(a)pyrene
Concen: 20.528 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 213510

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.5	7.4	11.2





#91
Dibenzo(a,h)anthracene
Concen: 19.379 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

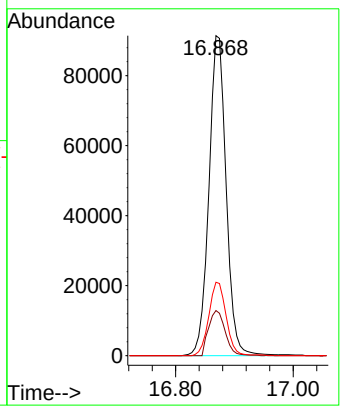
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

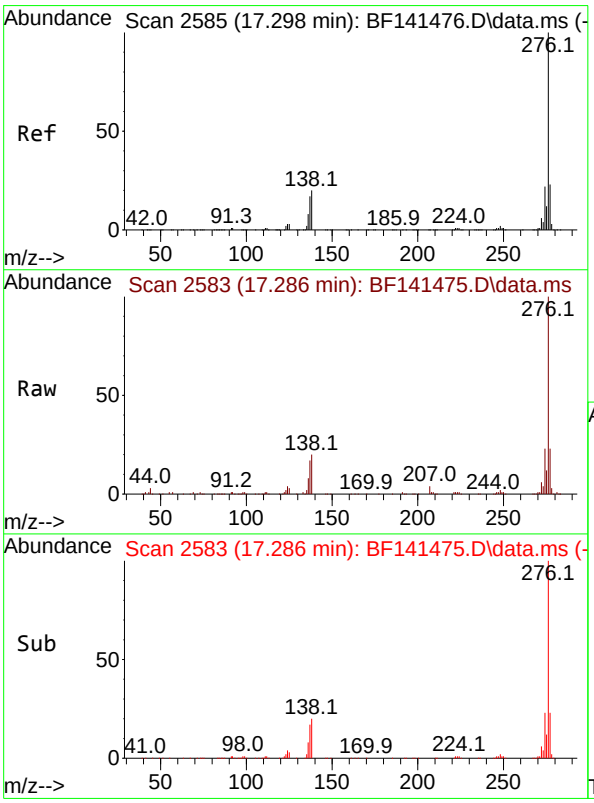
Tgt Ion:278 Resp: 18574

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.8	17.6
279	23.0	19.1	28.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

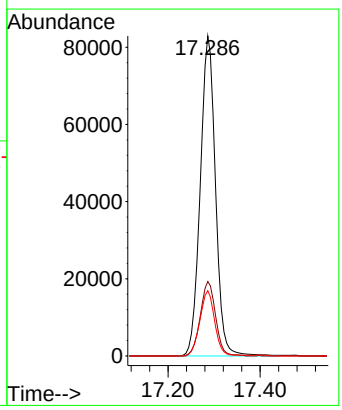




#92
Benzo(g,h,i)perylene
Concen: 19.103 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:276 Resp: 191595

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	20.4	15.9	23.9



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89095	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	351555	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193385	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	336425	20.000	ng	0.00
76) Chrysene-d12	13.957	240	225462	20.000	ng	0.00
86) Perylene-d12	15.415	264	182907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	459422	80.841	ng	0.00
7) Phenol-d6	6.428	99	574808	80.025	ng	-0.01
23) Nitrobenzene-d5	7.357	82	540793	80.234	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	154725	79.647	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	981440	78.189	ng	0.00
79) Terphenyl-d14	12.904	244	1080174	80.879	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	92090	40.262	ng	100
3) Pyridine	3.210	79	225032	41.344	ng	100
4) n-Nitrosodimethylamine	3.163	42	145802	40.456	ng	100
6) Aniline	6.451	93	274102	40.681	ng	100
8) 2-Chlorophenol	6.581	128	245676	40.008	ng	100
9) Benzaldehyde	6.339	77	146382	38.350	ng	100
10) Phenol	6.445	94	300315	40.171	ng	100
11) bis(2-Chloroethyl)ether	6.528	93	225665	40.188	ng	100
12) 1,3-Dichlorobenzene	6.728	146	256806	39.613	ng	100
13) 1,4-Dichlorobenzene	6.804	146	262121	39.574	ng	100
14) 1,2-Dichlorobenzene	6.963	146	244757	39.814	ng	100
15) Benzyl Alcohol	6.934	79	224961	40.841	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	385739	40.130	ng	100
17) 2-Methylphenol	7.051	107	191970	39.951	ng	100
18) Hexachloroethane	7.298	117	98581	40.215	ng	100
19) n-Nitroso-di-n-propyla...	7.204	70	172712	40.198	ng	100
20) 3+4-Methylphenols	7.204	107	244439	40.024	ng	100
22) Acetophenone	7.198	105	346731	39.649	ng	100
24) Nitrobenzene	7.375	77	263188	40.044	ng	100
25) Isophorone	7.610	82	429323	39.948	ng	100
26) 2-Nitrophenol	7.686	139	135355	41.394	ng	100
27) 2,4-Dimethylphenol	7.728	122	156665	41.012	ng	100
28) bis(2-Chloroethoxy)met...	7.822	93	276730	40.185	ng	100
29) 2,4-Dichlorophenol	7.939	162	208390	40.375	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	222679	39.619	ng	100
31) Naphthalene	8.092	128	729358	39.856	ng	100
32) Benzoic acid	7.857	122	161196	40.625	ng	100
33) 4-Chloroaniline	8.151	127	255749	40.029	ng	100
34) Hexachlorobutadiene	8.210	225	135140	40.051	ng	100
35) Caprolactam	8.516	113	65155	41.461	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	231344	40.464	ng	100
37) 2-Methylnaphthalene	8.786	142	470332	39.496	ng	100
38) 1-Methylnaphthalene	8.886	142	461189	39.987	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	225938	40.383	ng	100
41) Hexachlorocyclopentadiene	8.939	237	78762	42.325	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	145682	40.288	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

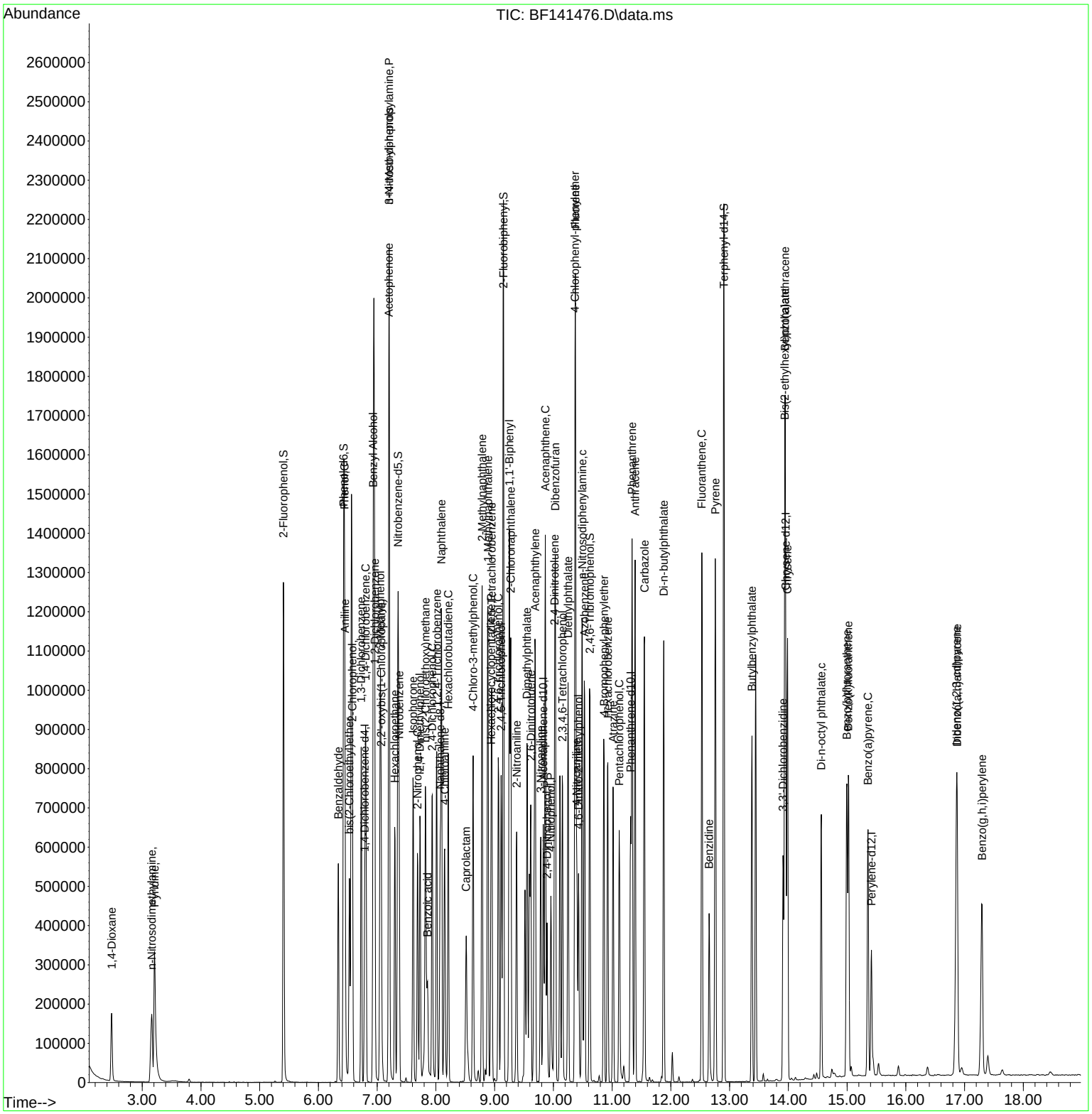
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	158685	40.492	ng	100
46) 1,1'-Biphenyl	9.251	154	597404	39.846	ng	100
47) 2-Chloronaphthalene	9.275	162	438926	39.590	ng	100
48) 2-Nitroaniline	9.375	65	150922	40.563	ng	100
49) Acenaphthylene	9.692	152	656124	39.789	ng	100
50) Dimethylphthalate	9.551	163	520384	39.638	ng	100
51) 2,6-Dinitrotoluene	9.616	165	116338	40.536	ng	100
52) Acenaphthene	9.863	154	445515	40.186	ng	100
53) 3-Nitroaniline	9.786	138	123530	39.991	ng	100
54) 2,4-Dinitrophenol	9.892	184	68489	40.153	ng	100
55) Dibenzofuran	10.033	168	647242	39.775	ng	100
56) 4-Nitrophenol	9.957	139	96456	42.065	ng	100
57) 2,4-Dinitrotoluene	10.022	165	153824	40.262	ng	100
58) Fluorene	10.375	166	498929	39.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	134581	39.888	ng	100
60) Diethylphthalate	10.251	149	514358	39.821	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	240707	39.767	ng	100
62) 4-Nitroaniline	10.398	138	129392	41.253	ng	100
63) Azobenzene	10.527	77	512692	39.926	ng	100
65) 4,6-Dinitro-2-methylph...	10.427	198	95521	40.874	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421937	39.180	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	148603	39.522	ng	100
68) Hexachlorobenzene	10.927	284	152664	39.430	ng	100
69) Atrazine	11.016	200	124494	38.533	ng	100
70) Pentachlorophenol	11.122	266	103806	41.930	ng	100
71) Phenanthrene	11.339	178	729585	39.397	ng	100
72) Anthracene	11.392	178	728337	39.125	ng	100
73) Carbazole	11.551	167	663523	39.613	ng	100
74) Di-n-butylphthalate	11.880	149	767961	39.706	ng	100
75) Fluoranthene	12.527	202	774369	39.441	ng	100
77) Benzidine	12.651	184	238261	47.917	ng	100
78) Pyrene	12.757	202	786956	41.002	ng	100
80) Butylbenzylphthalate	13.380	149	274711	41.323	ng	100
81) Benzo(a)anthracene	13.945	228	606669	40.479	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	170181	39.640	ng	100
83) Chrysene	13.986	228	541376	39.121	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	310696	41.438	ng	100
85) Di-n-octyl phthalate	14.562	149	435142	40.682	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	471272	41.699	ng	100
88) Benzo(b)fluoranthene	14.998	252	488585	39.783	ng	100
89) Benzo(k)fluoranthene	15.021	252	417770	39.836	ng	100
90) Benzo(a)pyrene	15.357	252	395193	39.767	ng	100
91) Dibenzo(a,h)anthracene	16.874	278	384623	42.001	ng	100
92) Benzo(g,h,i)perylene	17.298	276	402413	41.992	ng	100

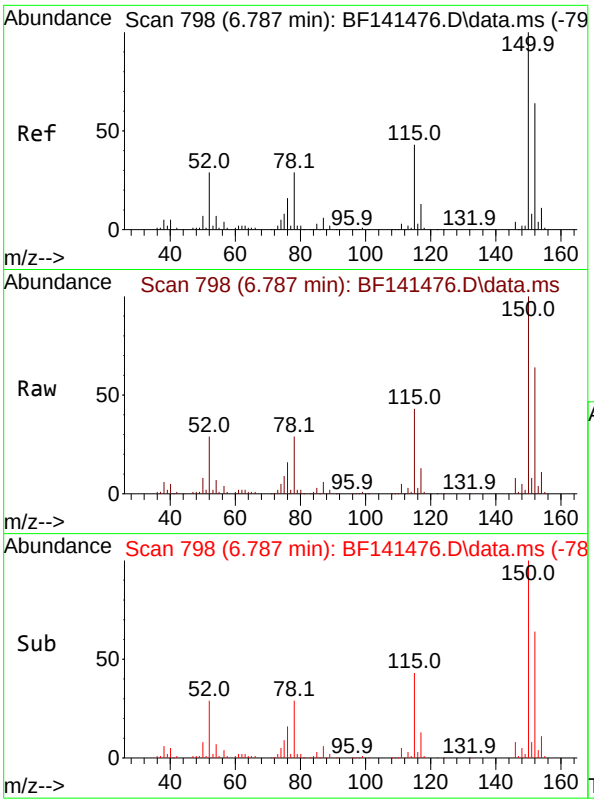
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



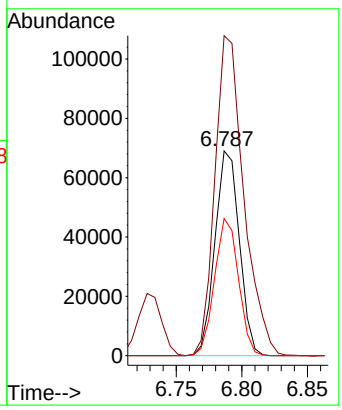


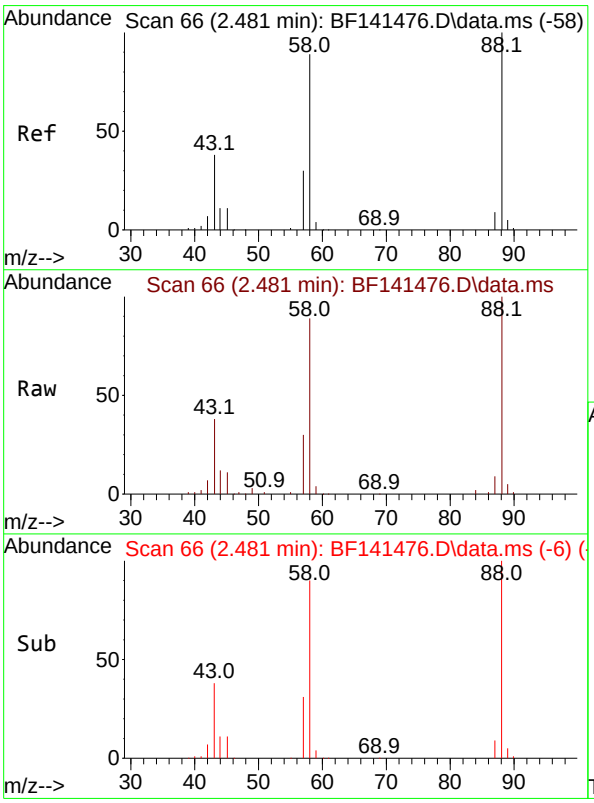
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 89095

Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.0	187.4
115	67.0	53.6	80.4

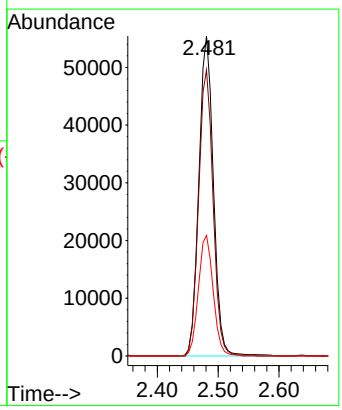


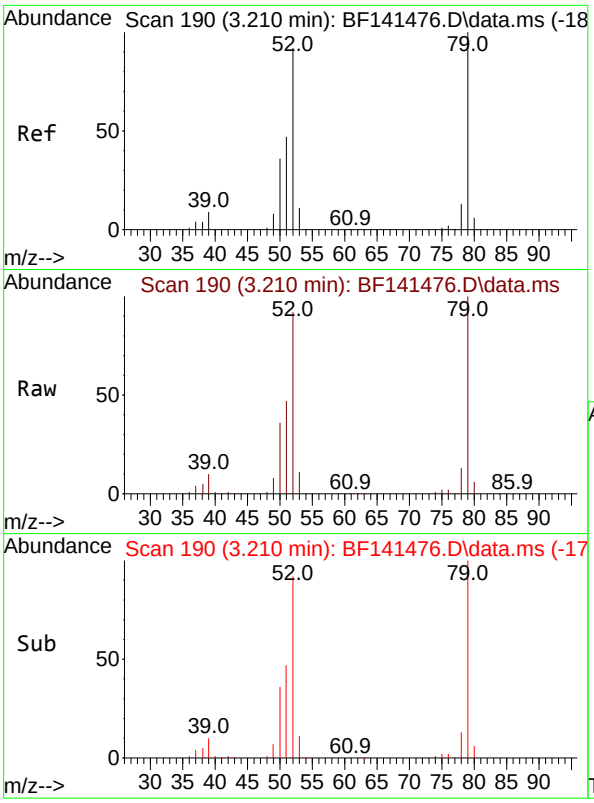


#2
1,4-Dioxane
Concen: 40.262 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 88 Resp: 92090

Ion	Ratio	Lower	Upper
88	100		
58	88.9	71.1	106.7
43	38.3	30.6	46.0



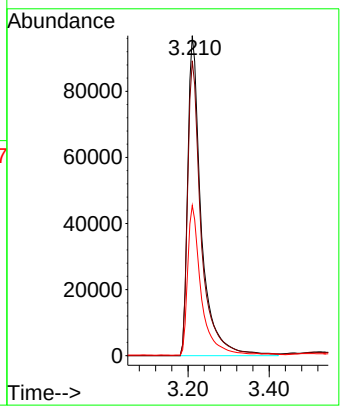


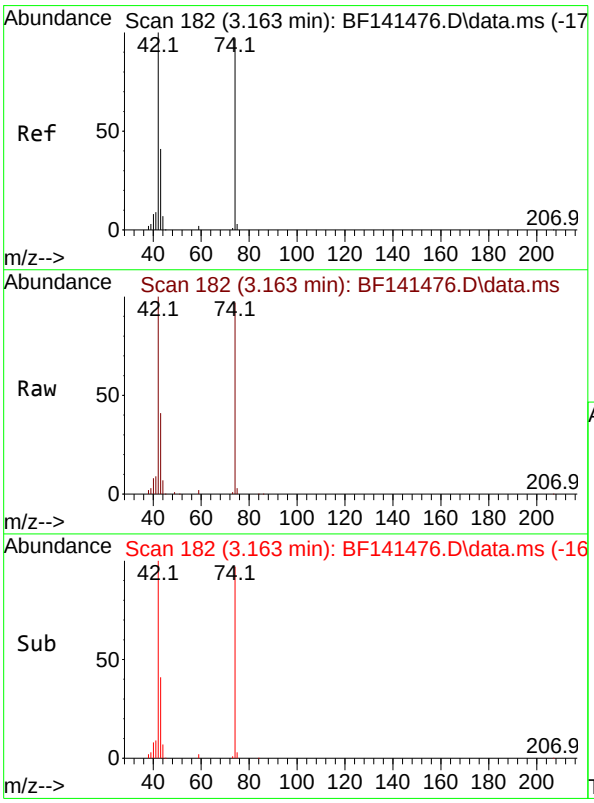
#3
Pyridine
Concen: 41.344 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 225032

Ion	Ratio	Lower	Upper
79	100		
52	92.1	73.7	110.5
51	46.9	37.5	56.3

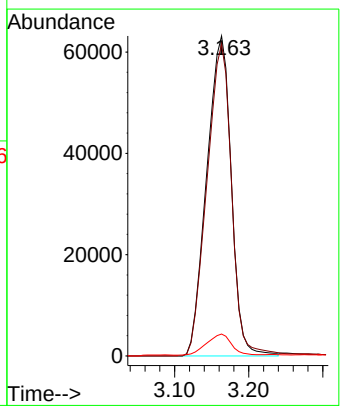


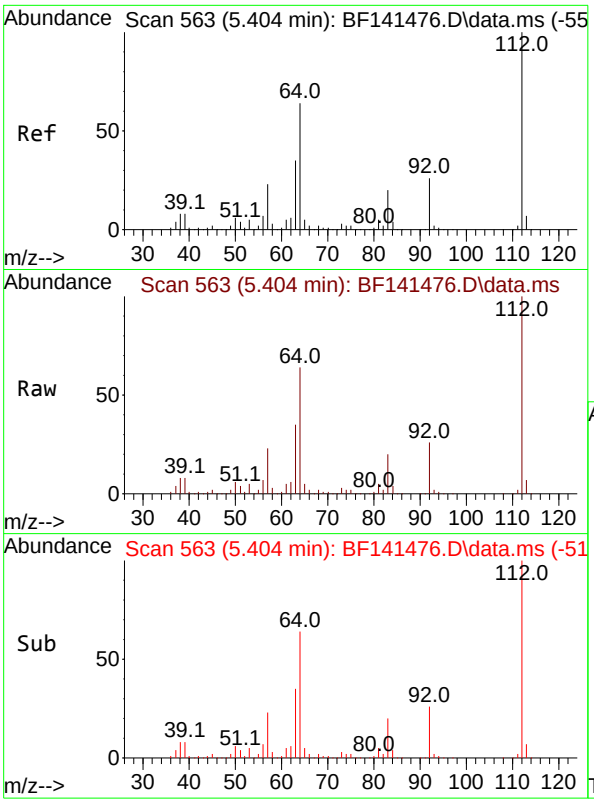


#4
n-Nitrosodimethylamine
Concen: 40.456 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.023 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 42 Resp: 145802

Ion	Ratio	Lower	Upper
42	100		
74	97.5	78.0	117.0
44	6.8	5.4	8.2



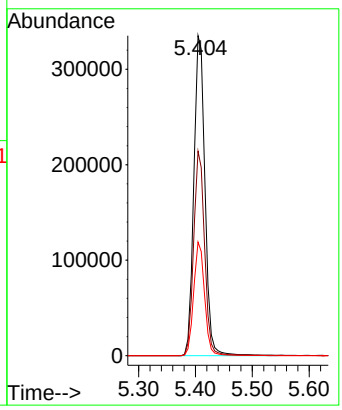


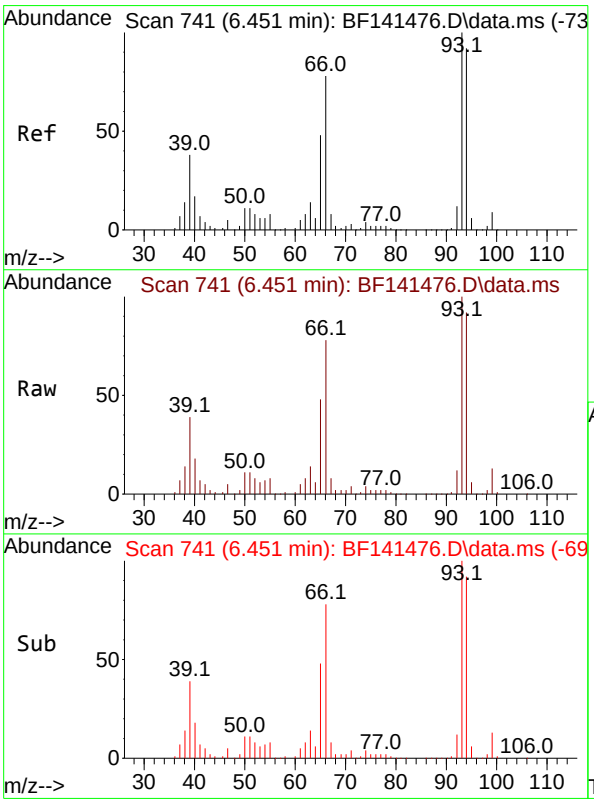
#5
2-Fluorophenol
Concen: 80.841 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 459422

Ion	Ratio	Lower	Upper
112	100		
64	63.9	51.1	76.7
63	35.5	28.4	42.6

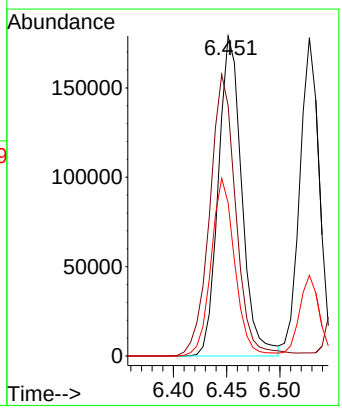


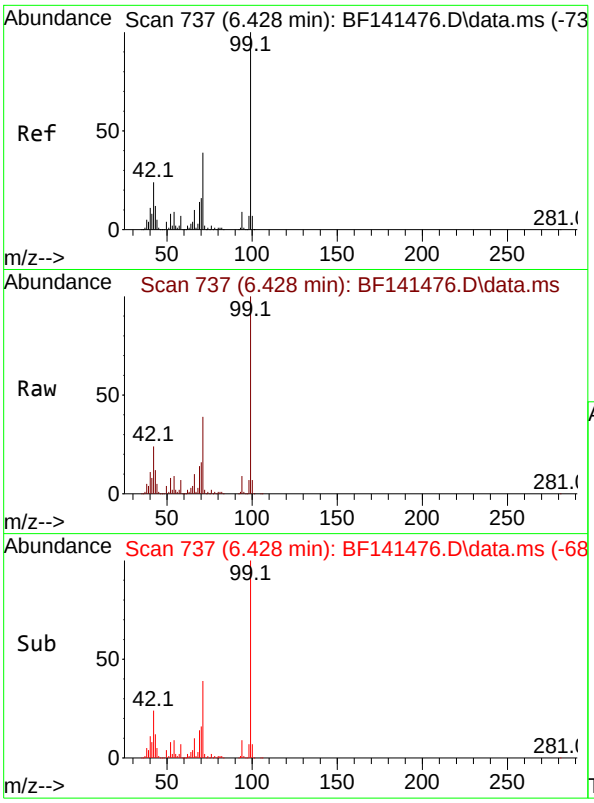


#6
Aniline
Concen: 40.681 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 93 Resp: 274102

Ion	Ratio	Lower	Upper
93	100		
66	78.3	62.6	94.0
65	47.9	38.3	57.5



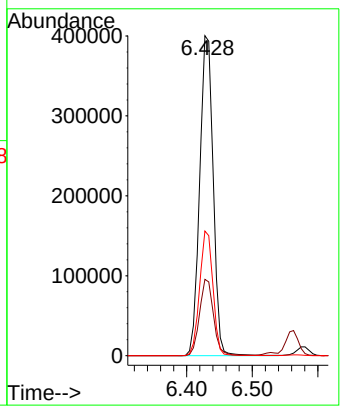


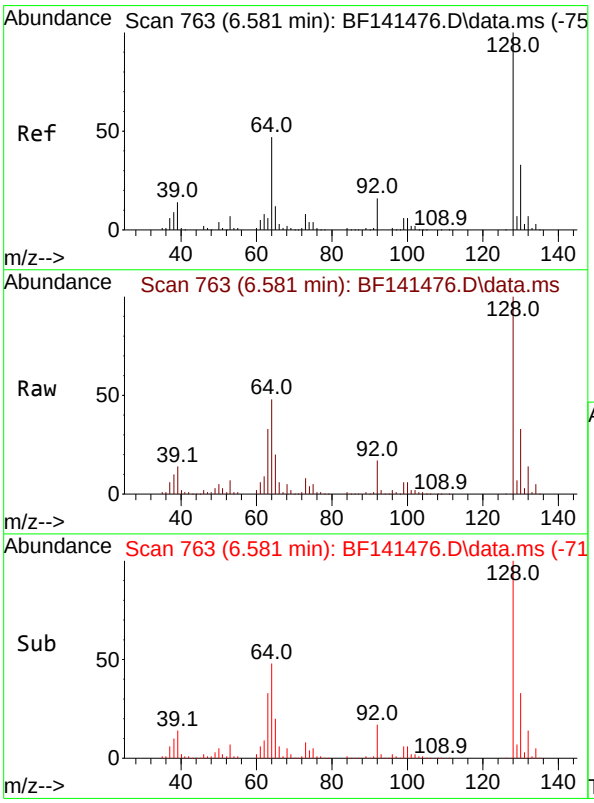
#7
Phenol-d6
Concen: 80.025 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 574808

Ion	Ratio	Lower	Upper
99	100		
42	23.9	19.1	28.7
71	38.9	31.1	46.7

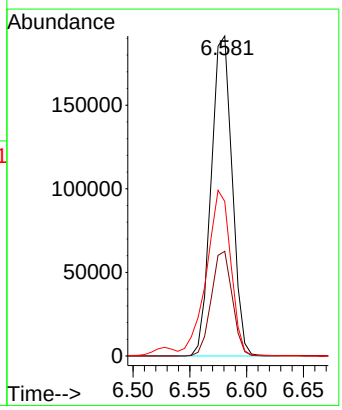


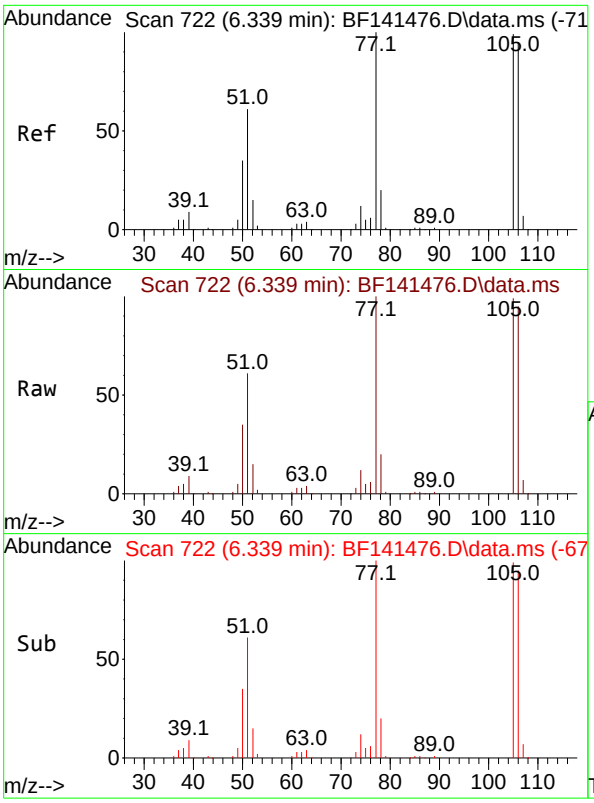


#8
2-Chlorophenol
Concen: 40.008 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:128 Resp: 245676

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	48.3	28.3	68.3



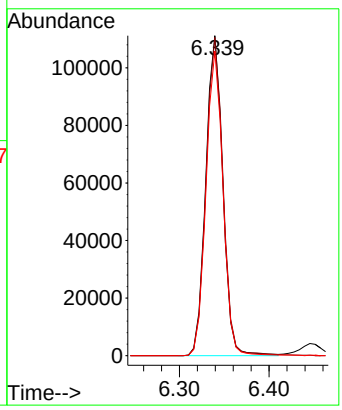


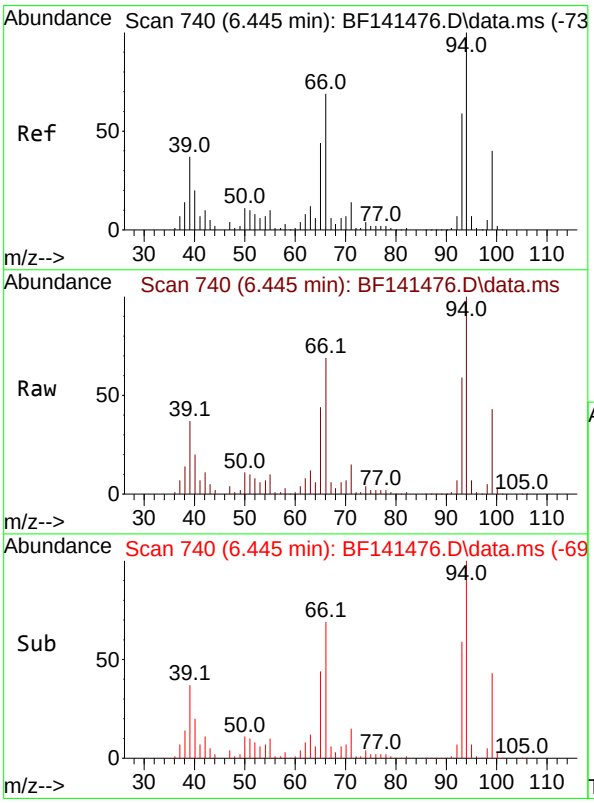
#9
Benzaldehyde
Concen: 38.350 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 146382

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.4	119.4
106	95.1	75.1	115.1

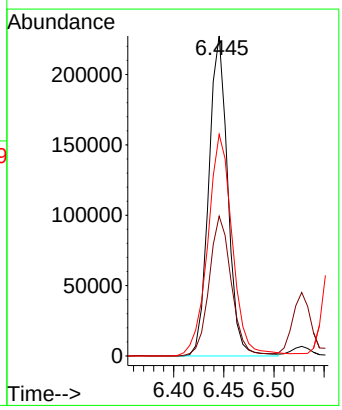


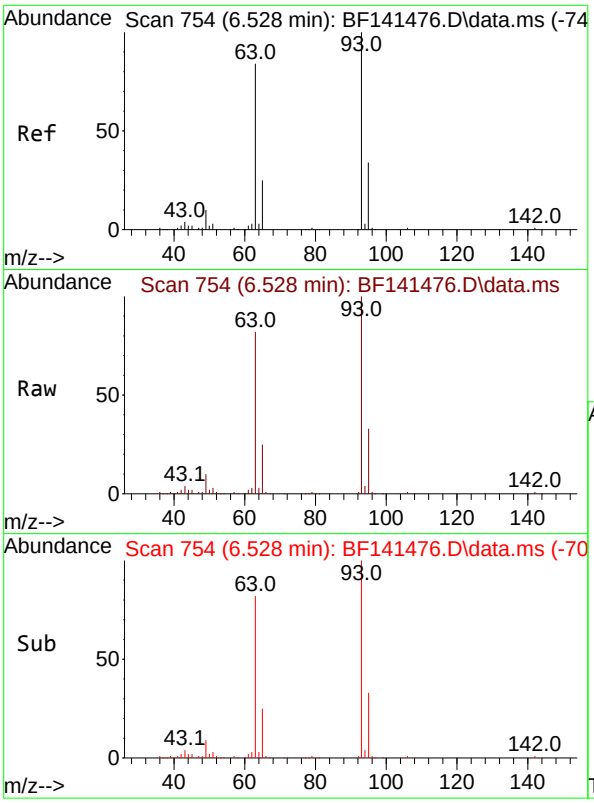


#10
Phenol
Concen: 40.171 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 94 Resp: 300315

Ion	Ratio	Lower	Upper
94	100		
65	43.7	23.7	63.7
66	69.3	49.3	89.3



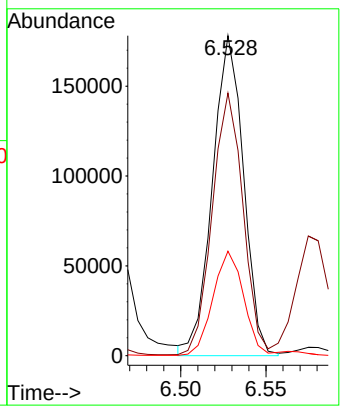


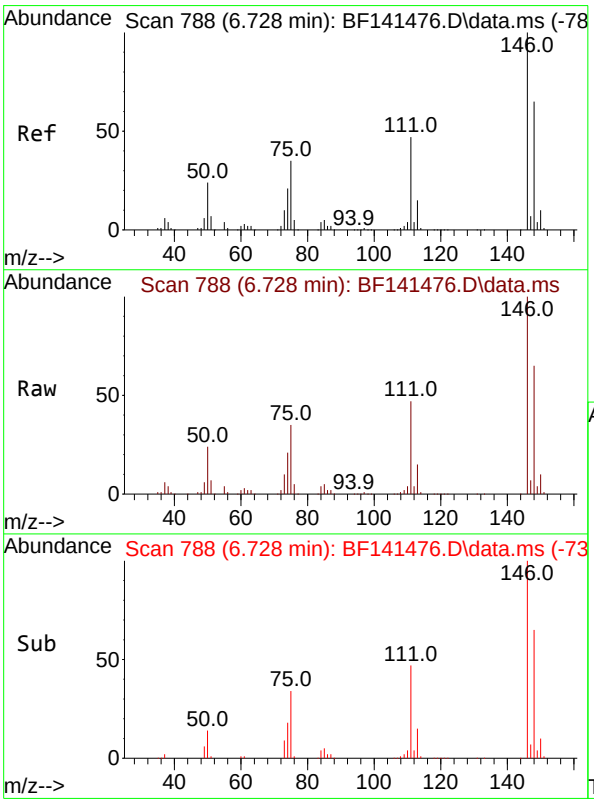
#11
bis(2-Chloroethyl)ether
Concen: 40.188 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 225665

Ion	Ratio	Lower	Upper
93	100		
63	82.0	62.0	102.0
95	32.6	12.6	52.6

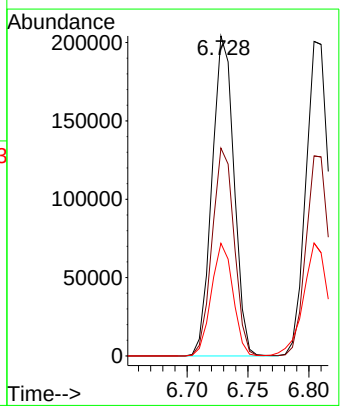


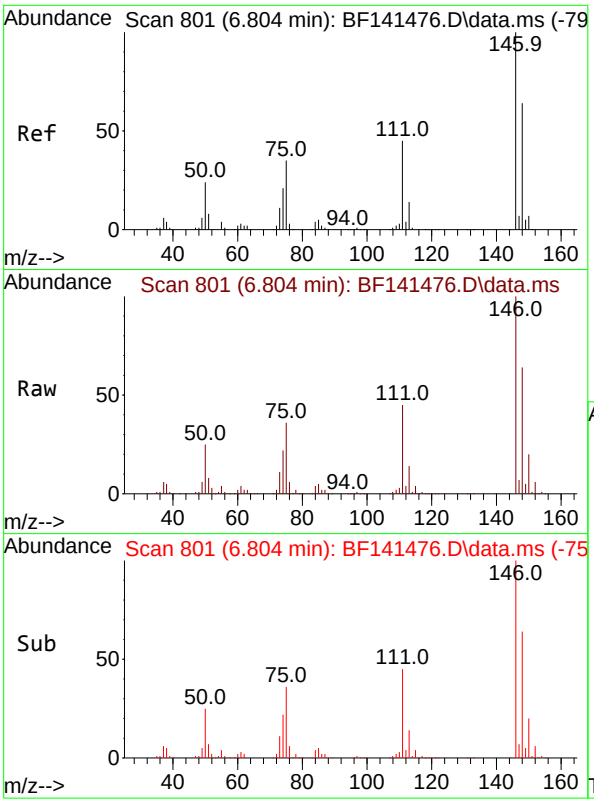


#12
1,3-Dichlorobenzene
Concen: 39.613 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:146 Resp: 256806

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	35.2	28.2	42.2



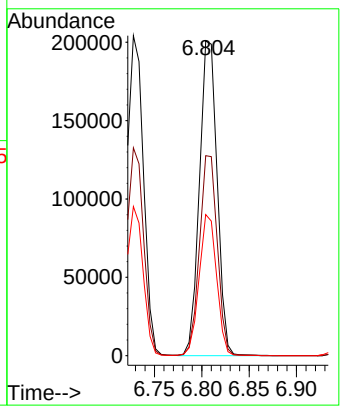


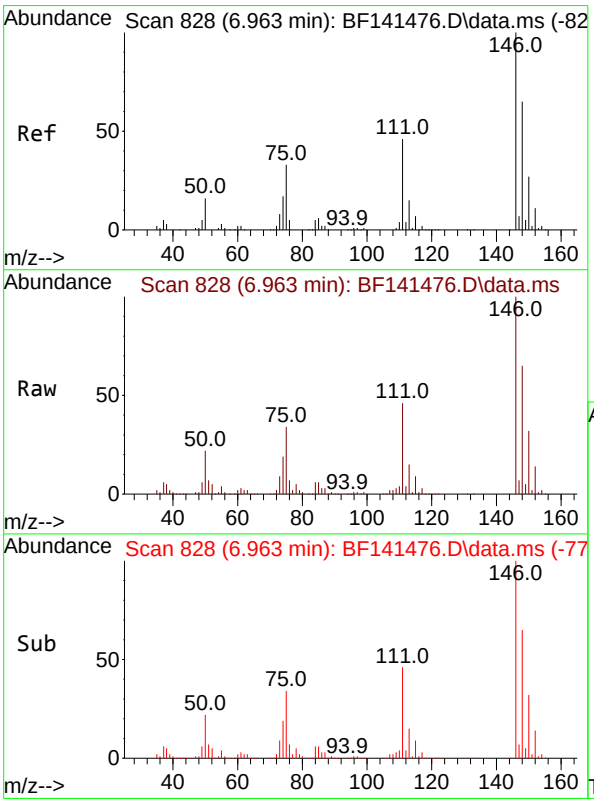
#13
1,4-Dichlorobenzene
Concen: 39.574 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 262121

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
111	44.9	35.9	53.9

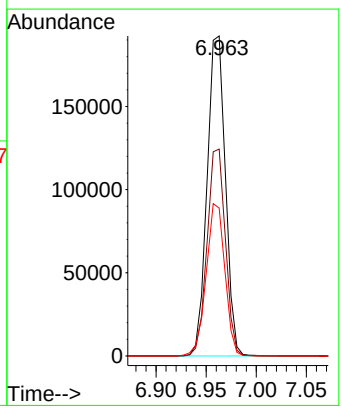


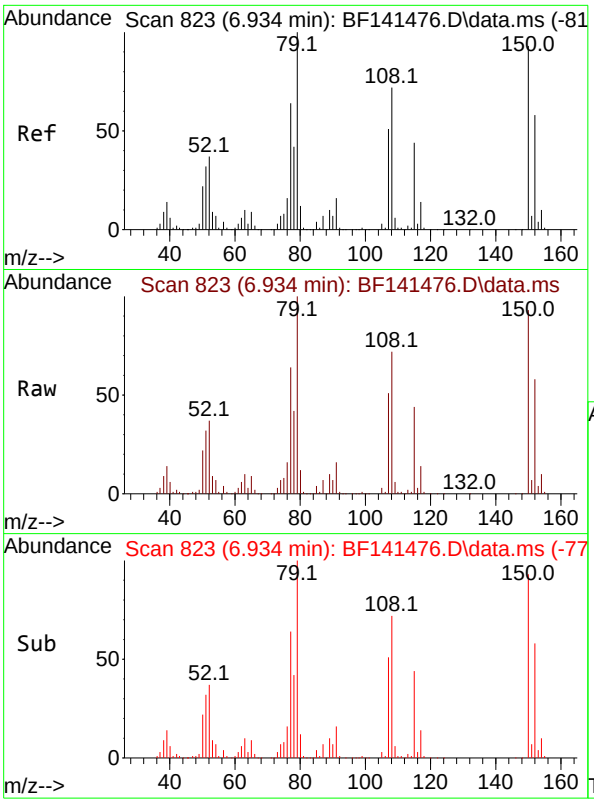


#14
1,2-Dichlorobenzene
Concen: 39.814 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:146 Resp: 244757

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
111	46.2	37.0	55.4



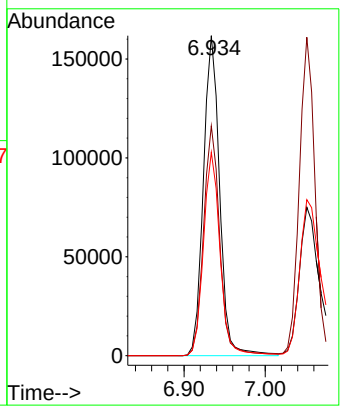


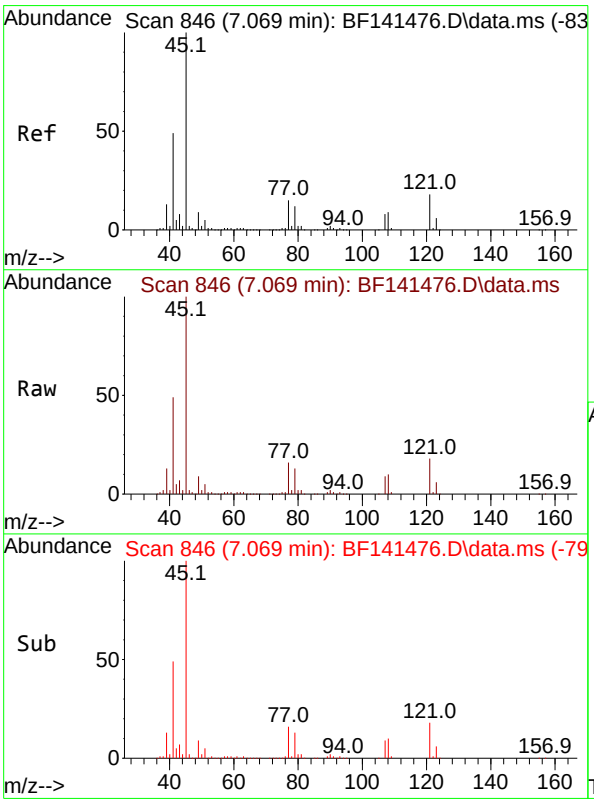
#15
Benzyl Alcohol
Concen: 40.841 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 224961

Ion	Ratio	Lower	Upper
79	100		
108	71.8	57.4	86.2
77	63.6	50.9	76.3

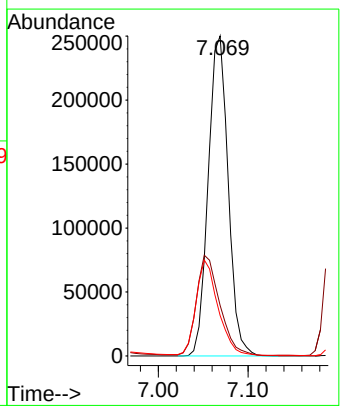


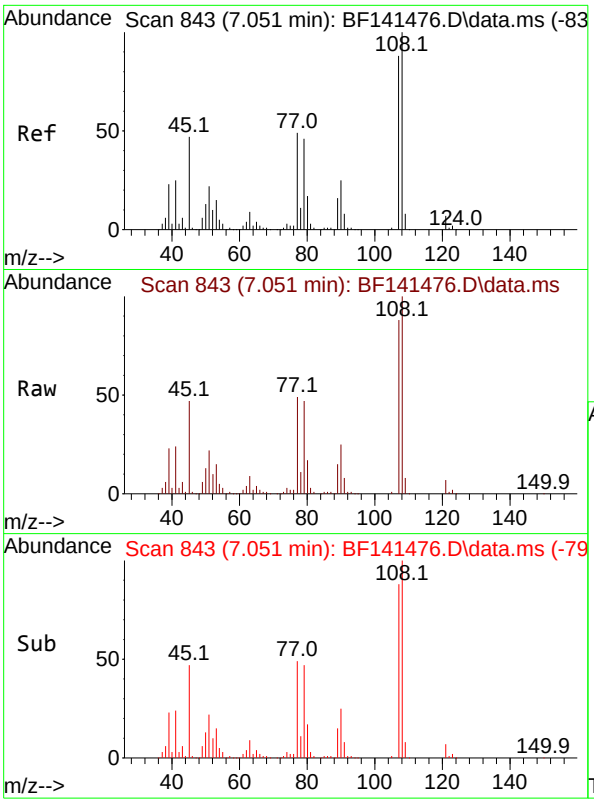


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.130 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 45 Resp: 385739

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	35.8
79	12.7	0.0	32.7



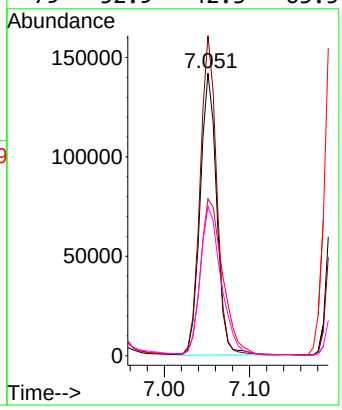


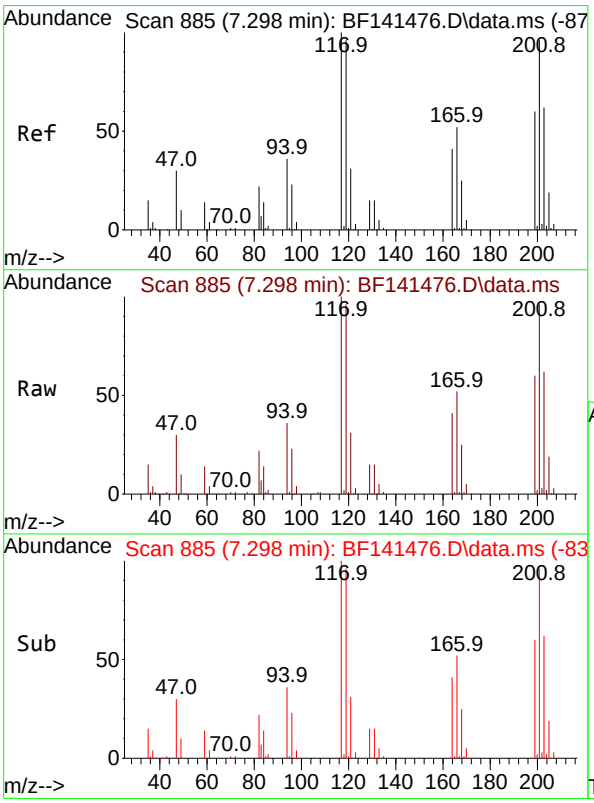
#17
2-Methylphenol
Concen: 39.951 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 191970

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.5	44.4	66.6
79	52.9	42.3	63.5

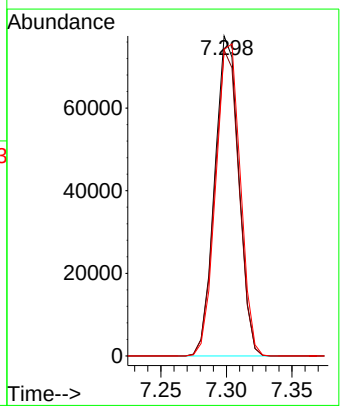


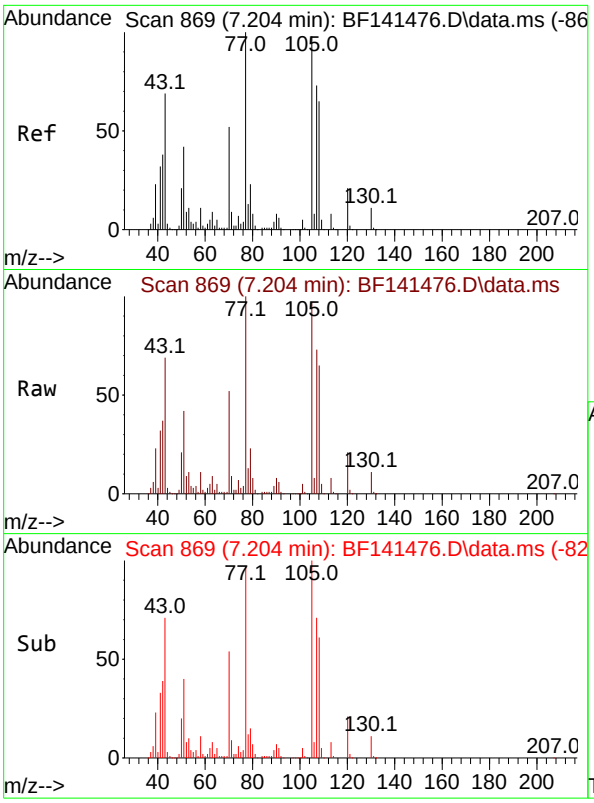


#18
Hexachloroethane
Concen: 40.215 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:117 Resp: 98581

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	95.9	76.7	115.1



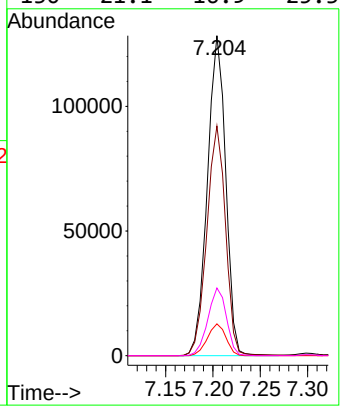


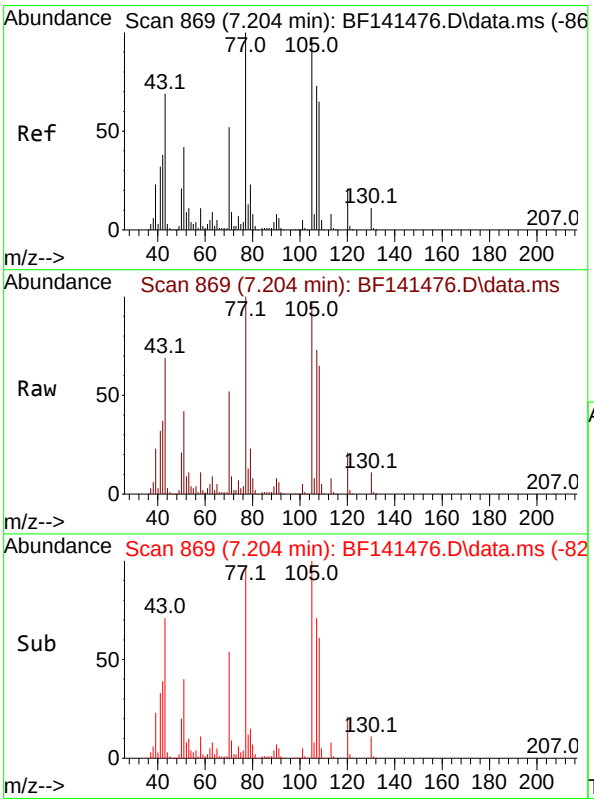
#19
n-Nitroso-di-n-propylamine
Concen: 40.198 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 172712

Ion	Ratio	Lower	Upper
70	100		
42	71.8	57.4	86.2
101	10.0	8.0	12.0
130	21.1	16.9	25.3

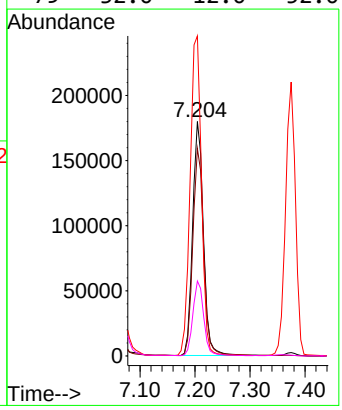


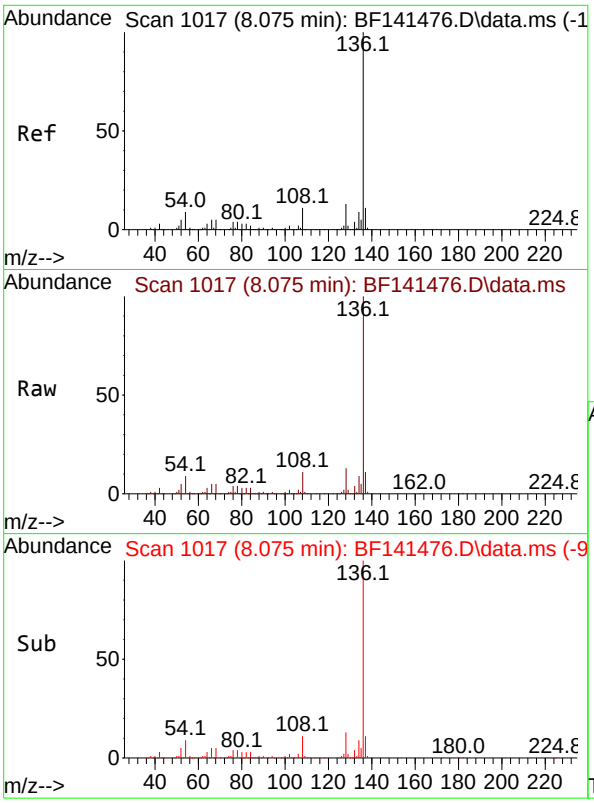


#20
3+4-Methylphenols
Concen: 40.024 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:107 Resp: 244439

Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.5	108.5
77	136.5	116.5	156.5
79	32.0	12.0	52.0



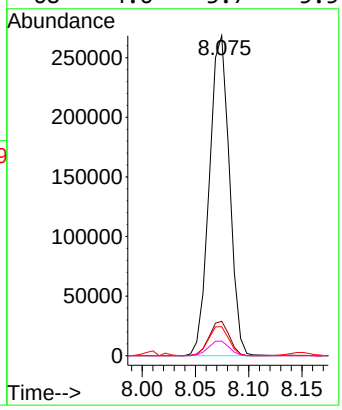


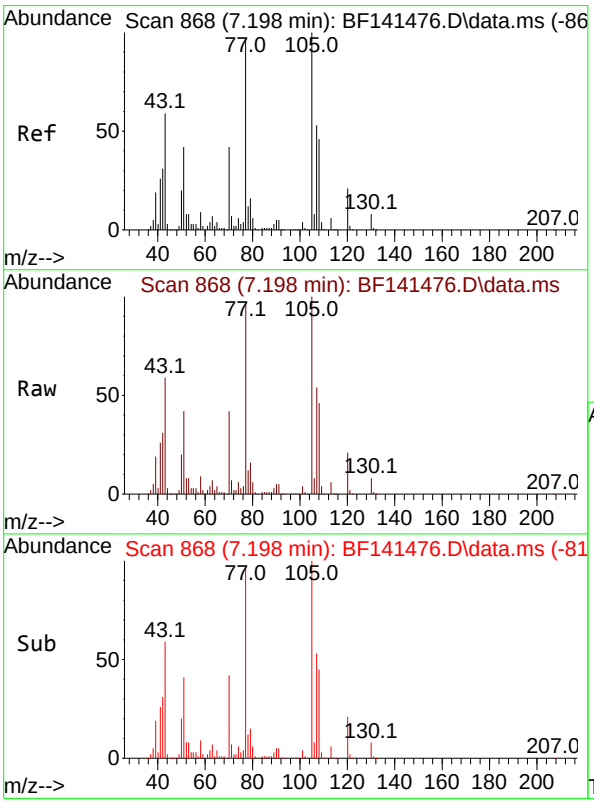
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 351555

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.0	7.2	10.8
68	4.6	3.7	5.5

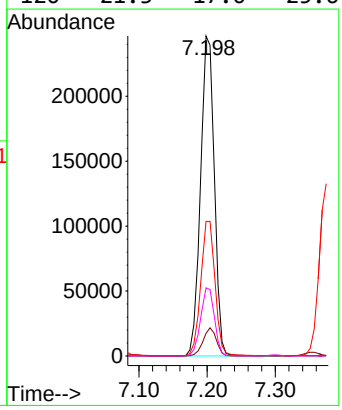


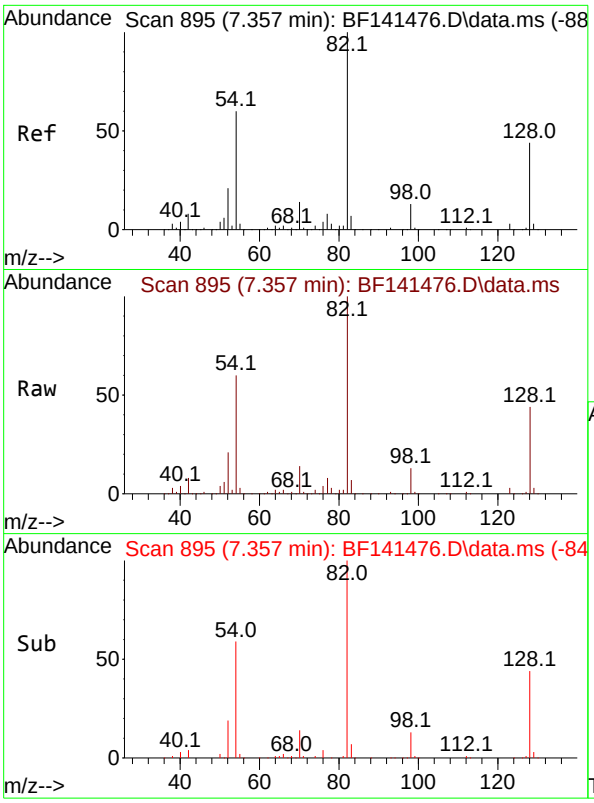


#22
Acetophenone
Concen: 39.649 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:105 Resp: 346731

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	42.1	33.7	50.5
120	21.3	17.0	25.6



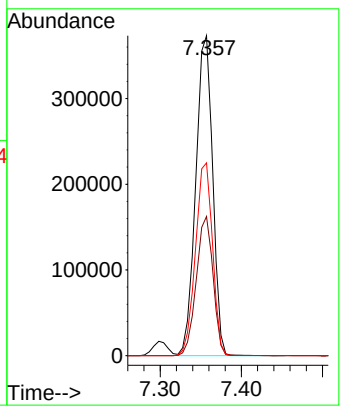


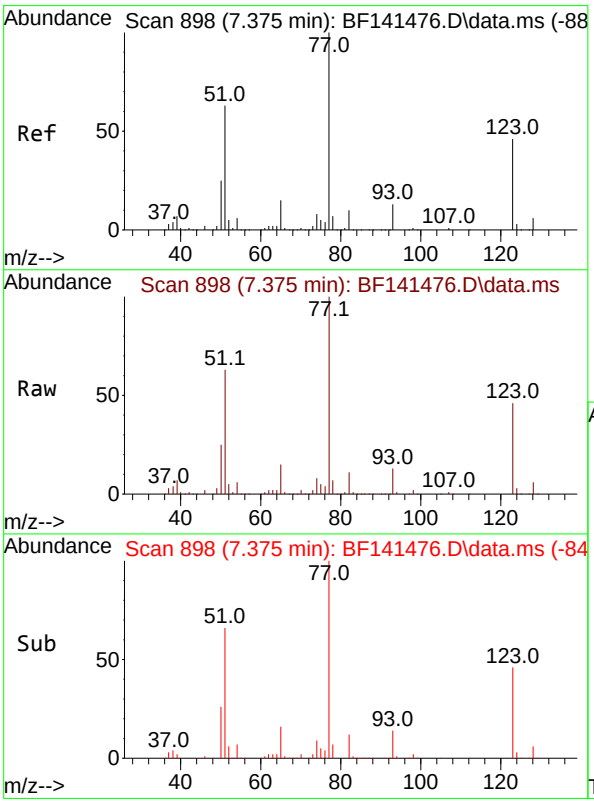
#23
Nitrobenzene-d5
Concen: 80.234 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 540793

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.8	52.2
54	60.3	48.2	72.4

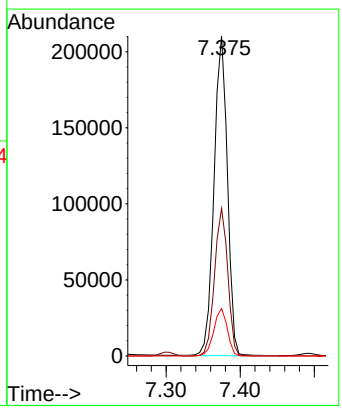


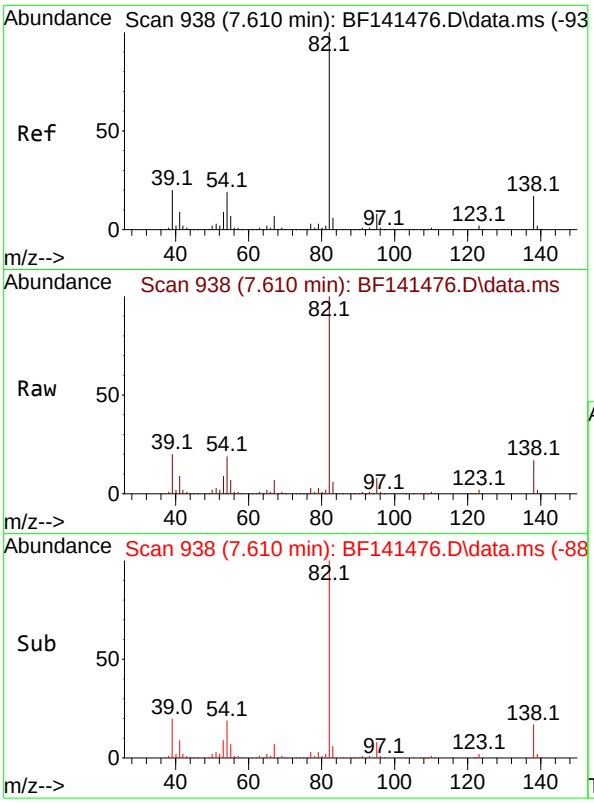


#24
Nitrobenzene
Concen: 40.044 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 77 Resp: 263188

Ion	Ratio	Lower	Upper
77	100		
123	46.1	36.9	55.3
65	14.9	11.9	17.9



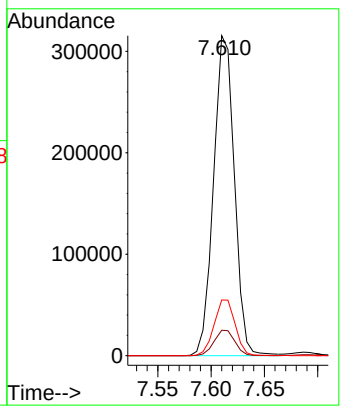


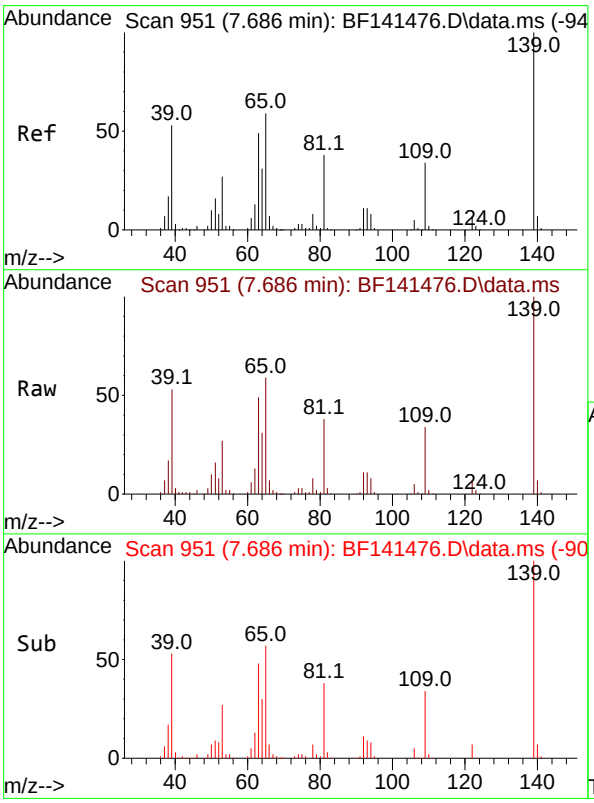
#25
Isophorone
Concen: 39.948 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 429323

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	17.4	13.9	20.9

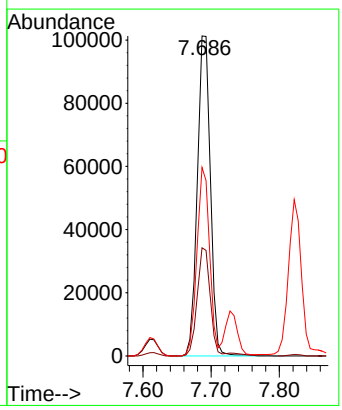


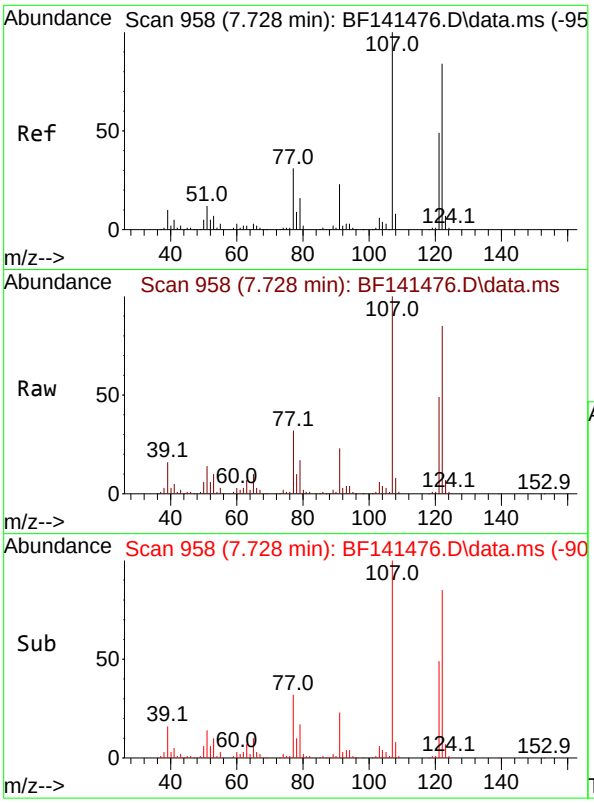


#26
2-Nitrophenol
Concen: 41.394 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:139 Resp: 135355

Ion	Ratio	Lower	Upper
139	100		
109	33.8	27.0	40.6
65	58.9	47.1	70.7



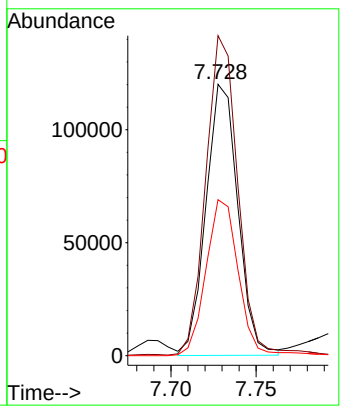


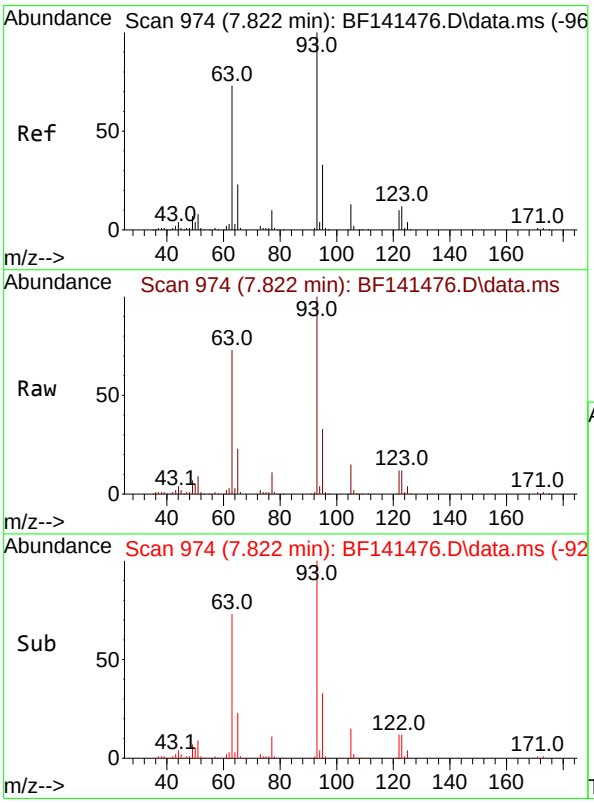
#27
2,4-Dimethylphenol
Concen: 41.012 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 156665

Ion	Ratio	Lower	Upper
122	100		
107	117.9	94.3	141.5
121	57.5	46.0	69.0

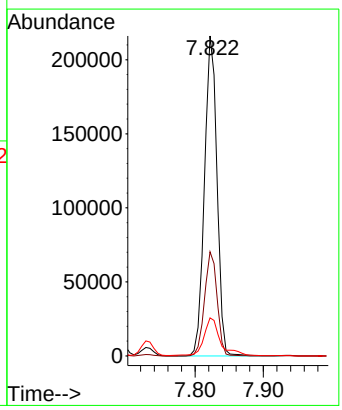


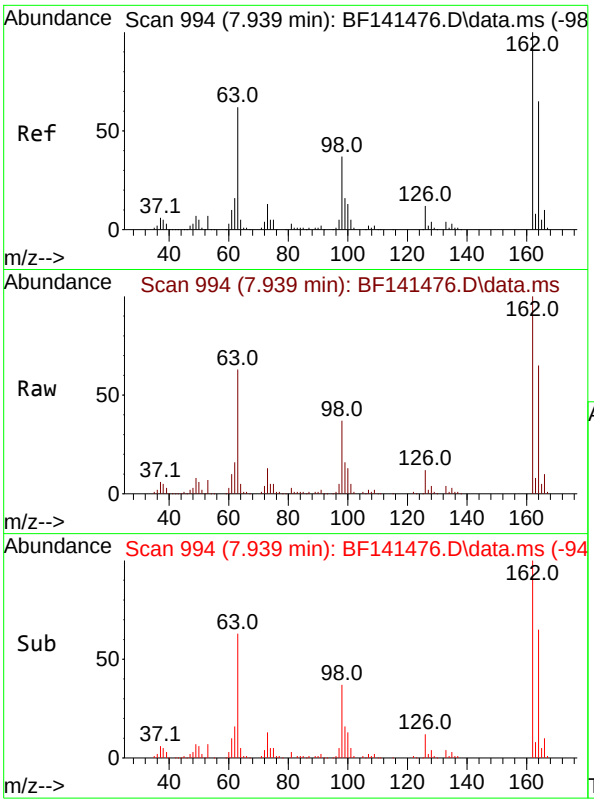


#28
bis(2-Chloroethoxy)methane
Concen: 40.185 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 93 Resp: 276730

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	11.9	9.5	14.3



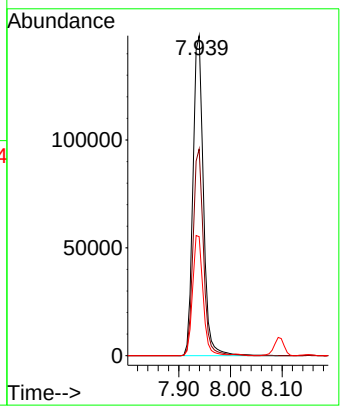


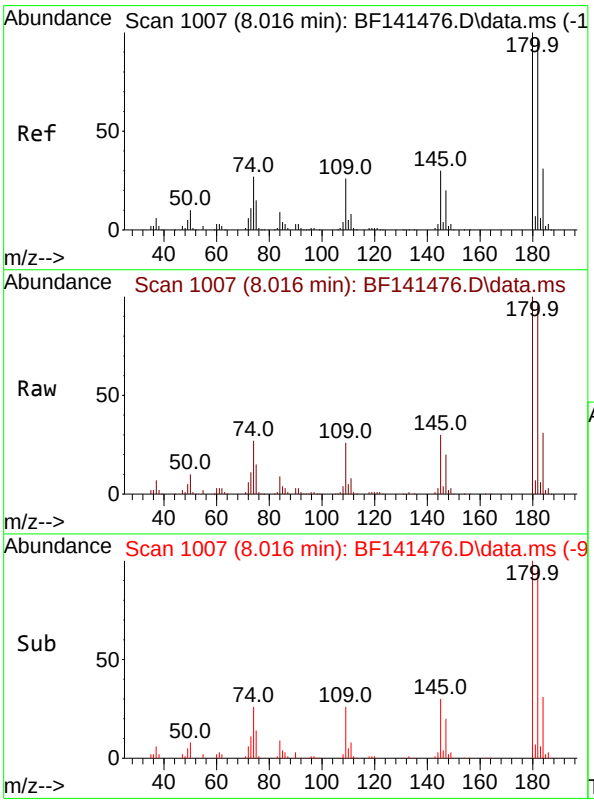
#29
2,4-Dichlorophenol
Concen: 40.375 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 208390

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.6	84.6
98	37.2	17.2	57.2

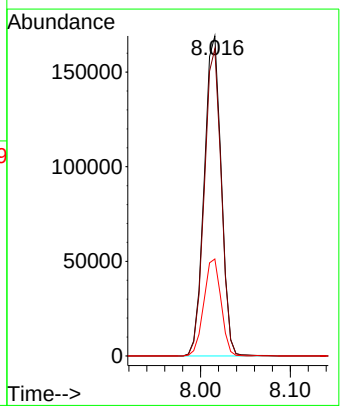


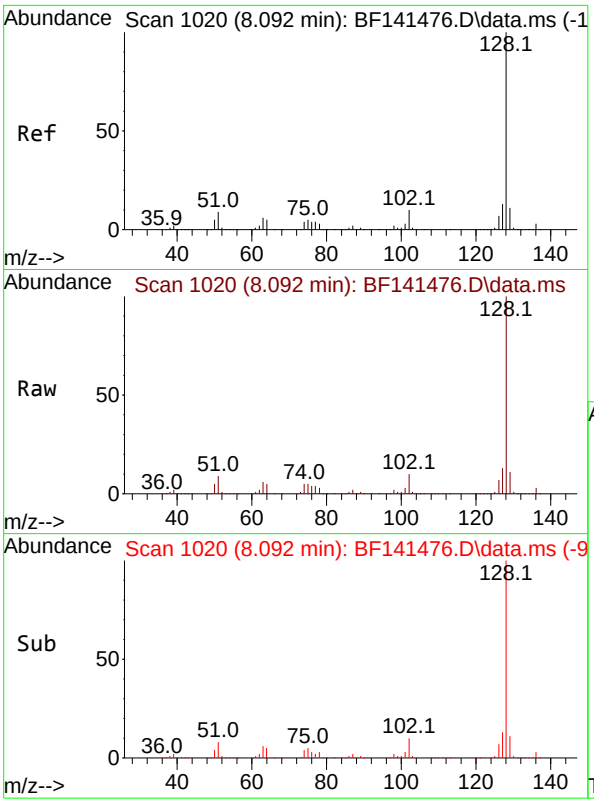


#30
1,2,4-Trichlorobenzene
Concen: 39.619 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:180 Resp: 222679

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	30.3	24.2	36.4



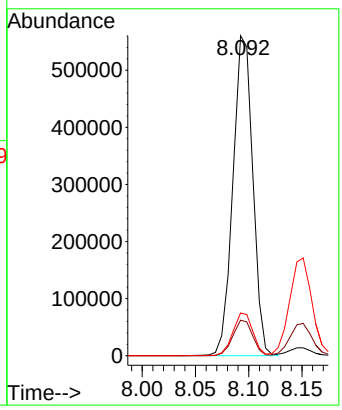


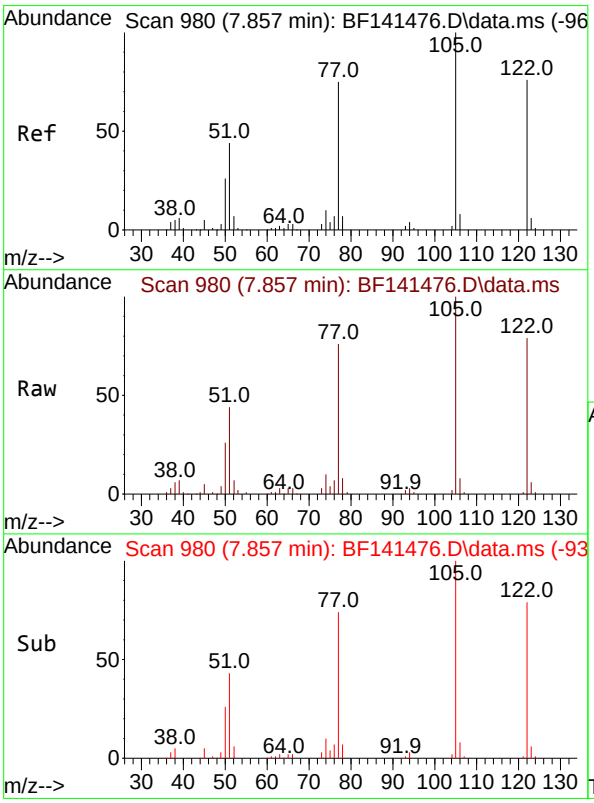
#31
Naphthalene
Concen: 39.856 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 729358

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

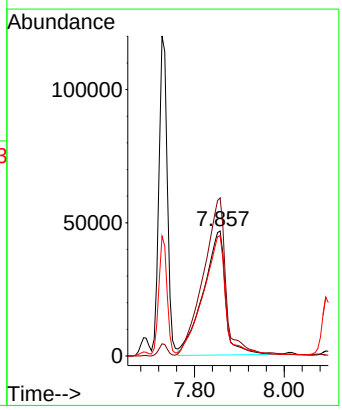


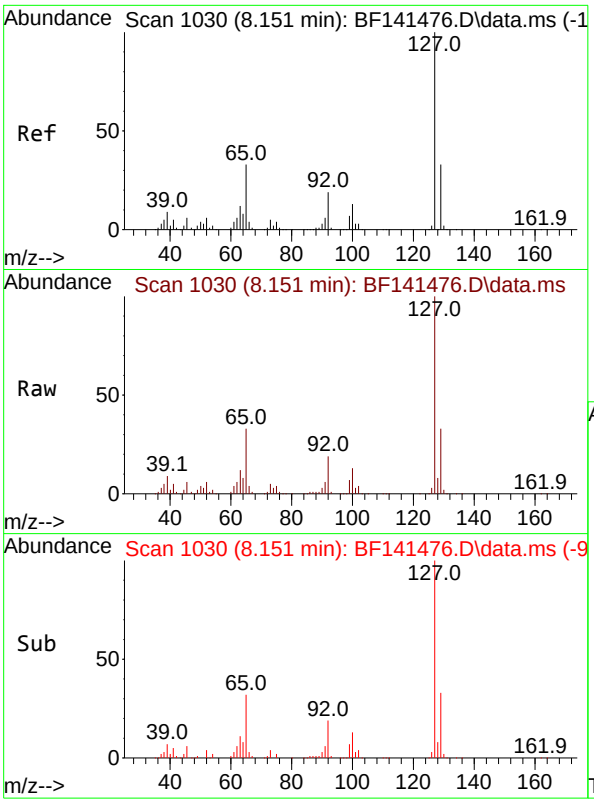


#32
Benzoic acid
Concen: 40.625 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:122 Resp: 161196

Ion	Ratio	Lower	Upper
122	100		
105	126.5	106.5	146.5
77	96.3	76.3	116.3



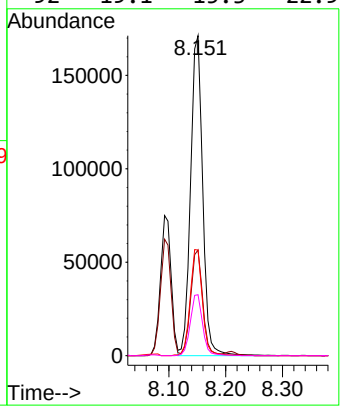


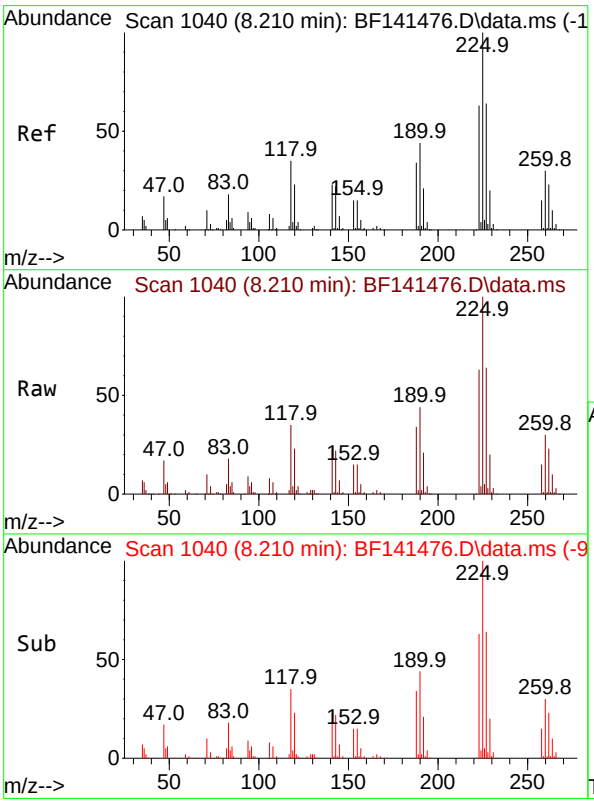
#33
4-Chloroaniline
Concen: 40.029 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 255749

Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.5	39.7
65	33.0	26.4	39.6
92	19.1	15.3	22.9

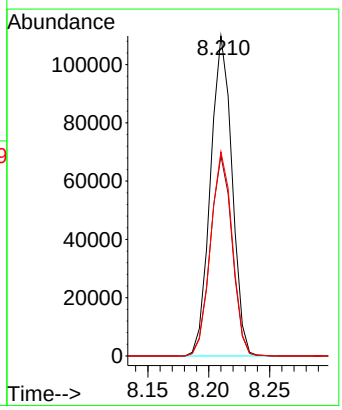


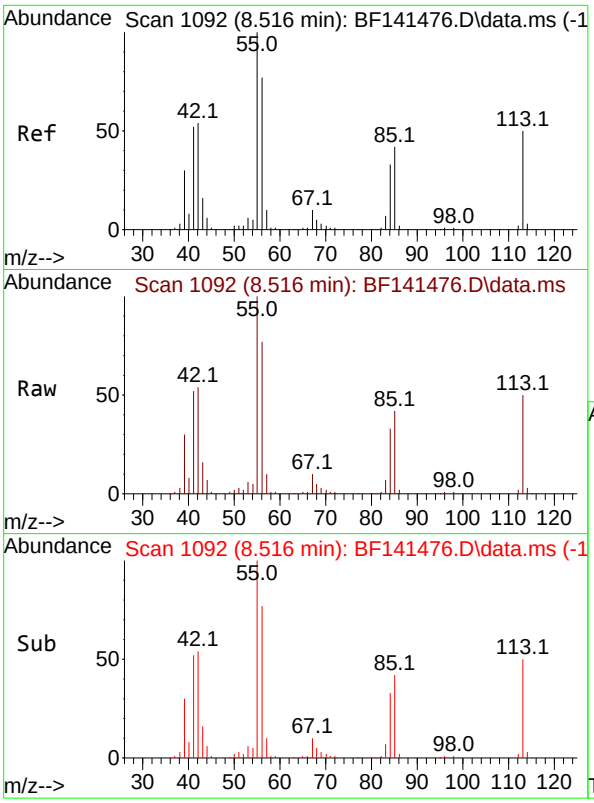


#34
Hexachlorobutadiene
Concen: 40.051 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:225 Resp: 135140

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.8	51.0	76.6



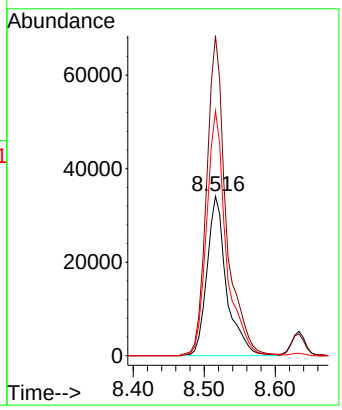


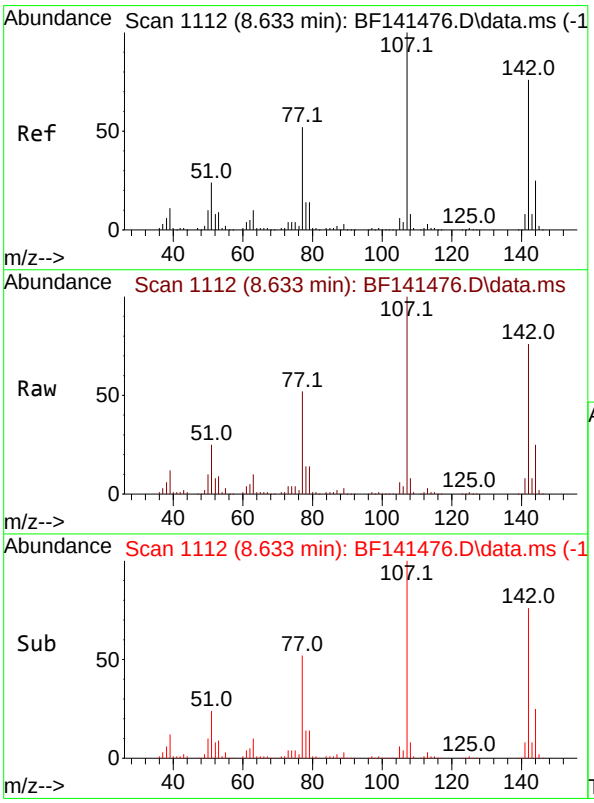
#35
Caprolactam
Concen: 41.461 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 65155

Ion	Ratio	Lower	Upper
113	100		
55	200.8	180.8	220.8
56	153.6	133.6	173.6

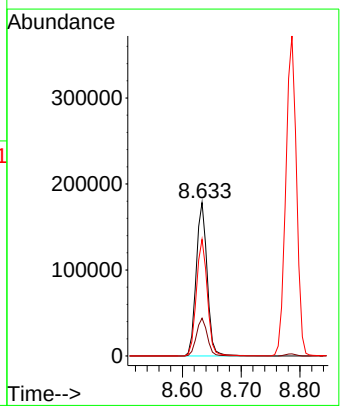


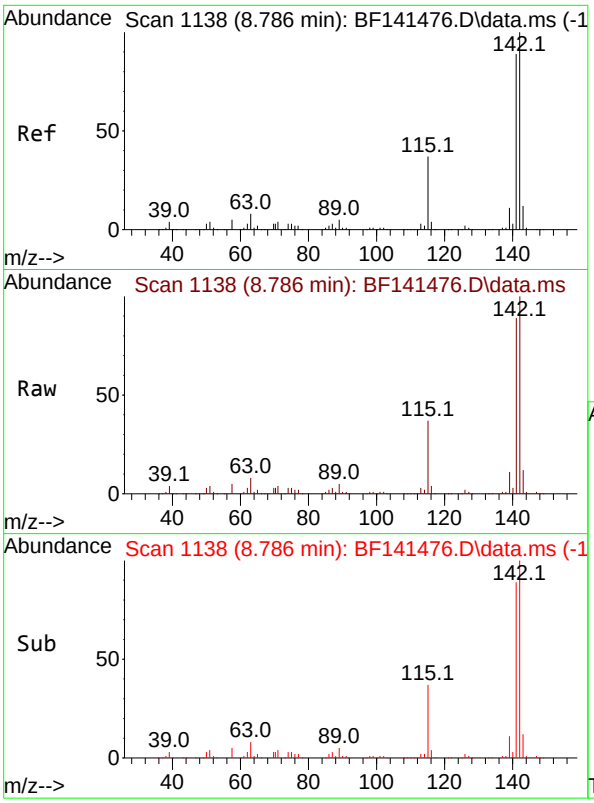


#36
4-Chloro-3-methylphenol
Concen: 40.464 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:107 Resp: 231344

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.7	29.5
142	76.0	60.8	91.2



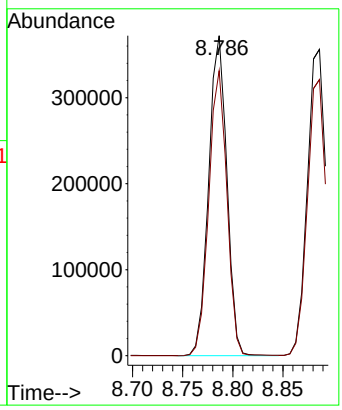


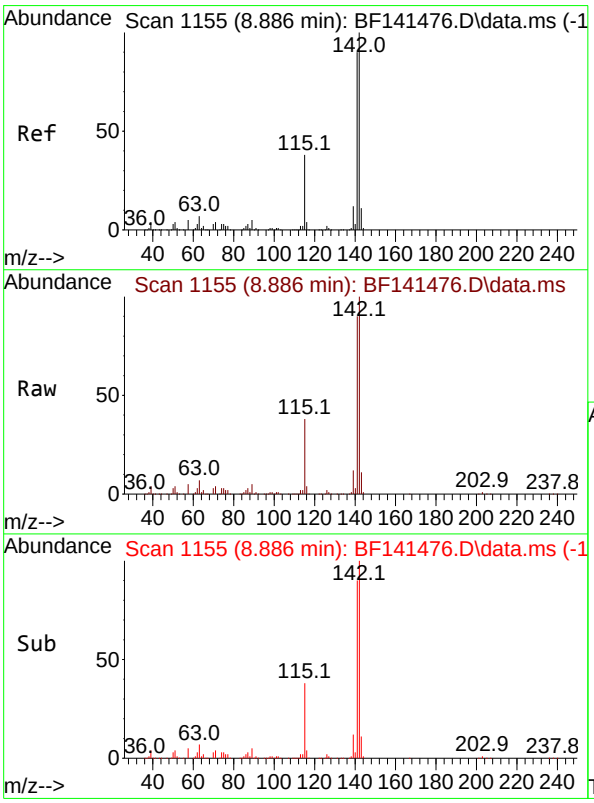
#37
2-Methylnaphthalene
Concen: 39.496 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 470332

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8

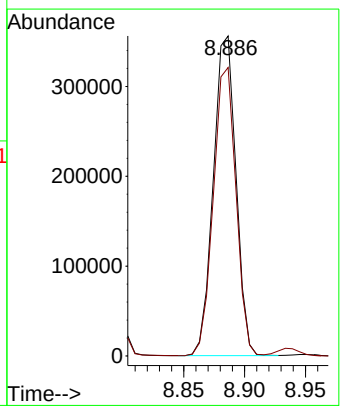


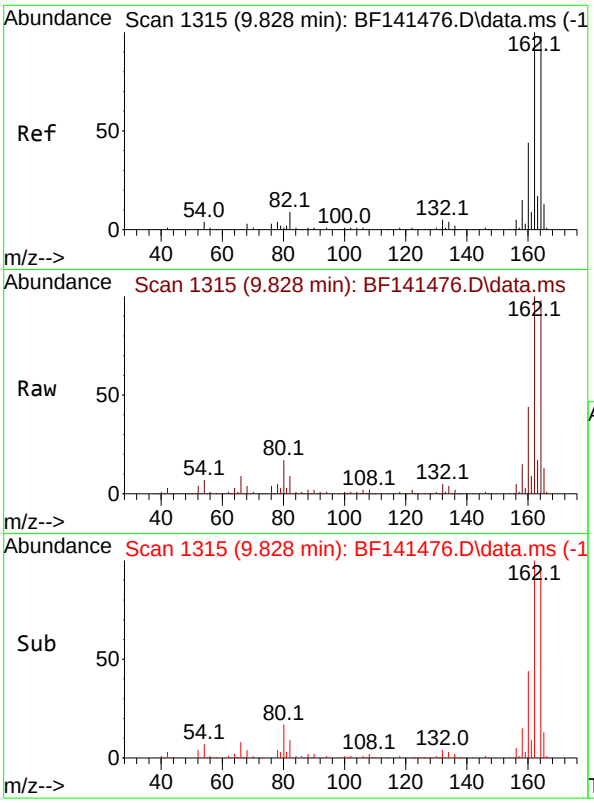


#38
1-Methylnaphthalene
Concen: 39.987 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:142 Resp: 461189

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1



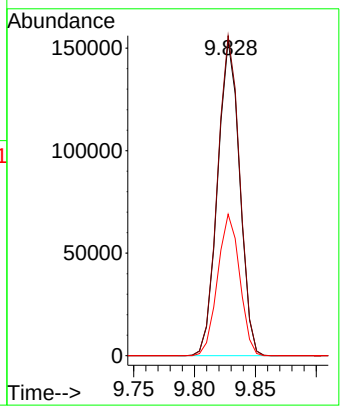


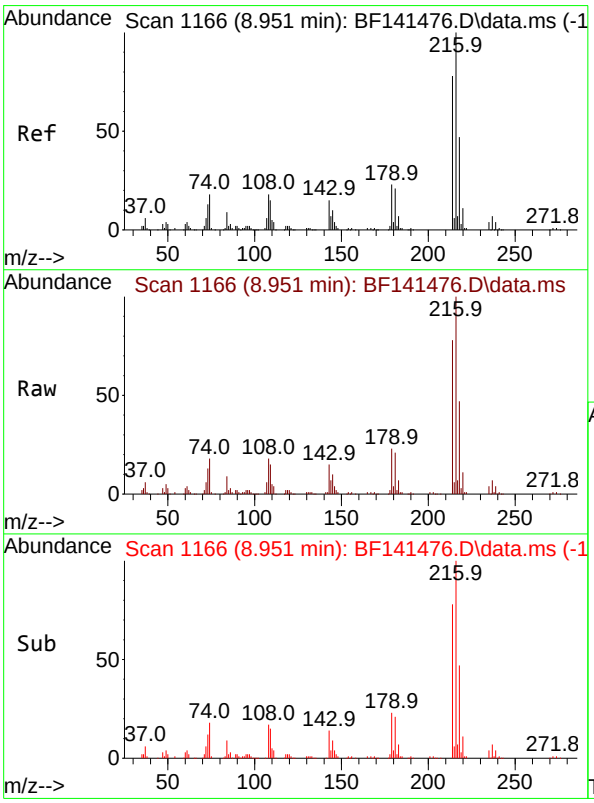
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 193385

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	44.9	35.9	53.9

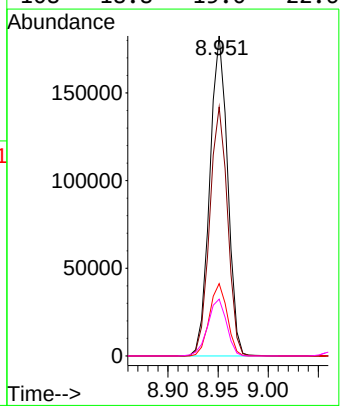


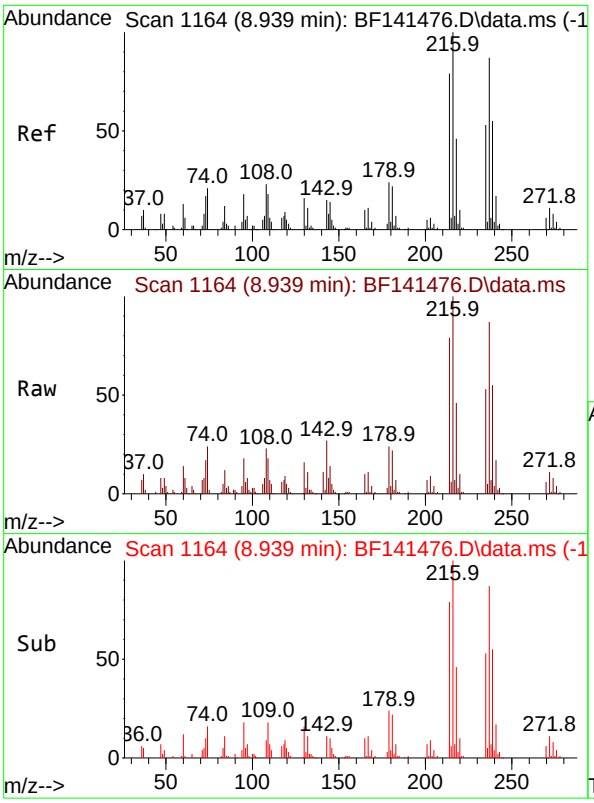


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.383 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:216 Resp: 225938

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	22.5	18.0	27.0
108	18.8	15.0	22.6



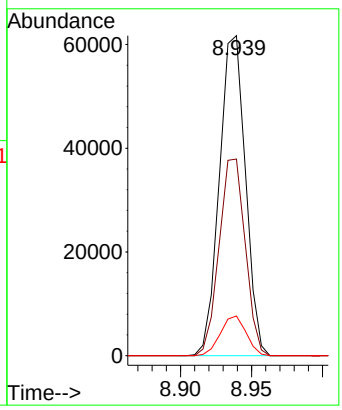


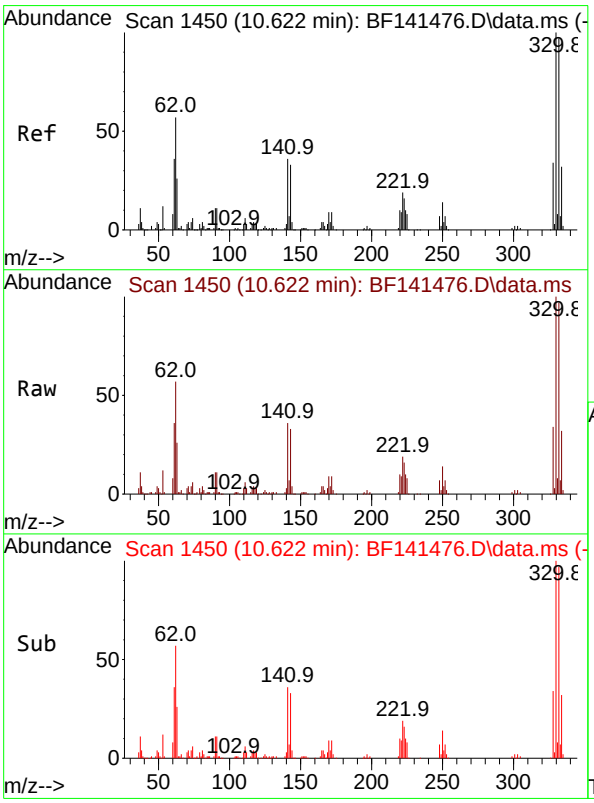
#41
Hexachlorocyclopentadiene
Concen: 42.325 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 78762

Ion	Ratio	Lower	Upper
237	100		
235	61.4	41.4	81.4
272	12.4	0.0	32.4

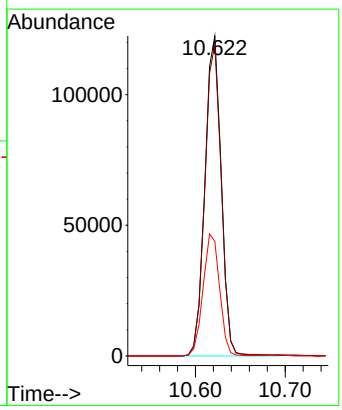


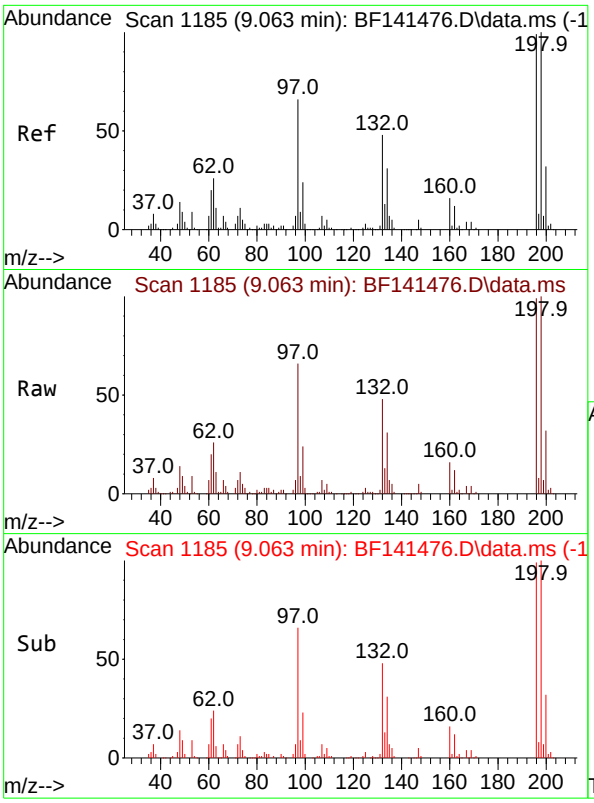


#42
2,4,6-Tribromophenol
Concen: 79.647 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:330 Resp: 154725

Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.5	117.7
141	38.7	31.0	46.4



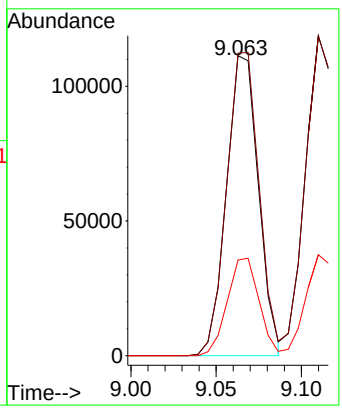


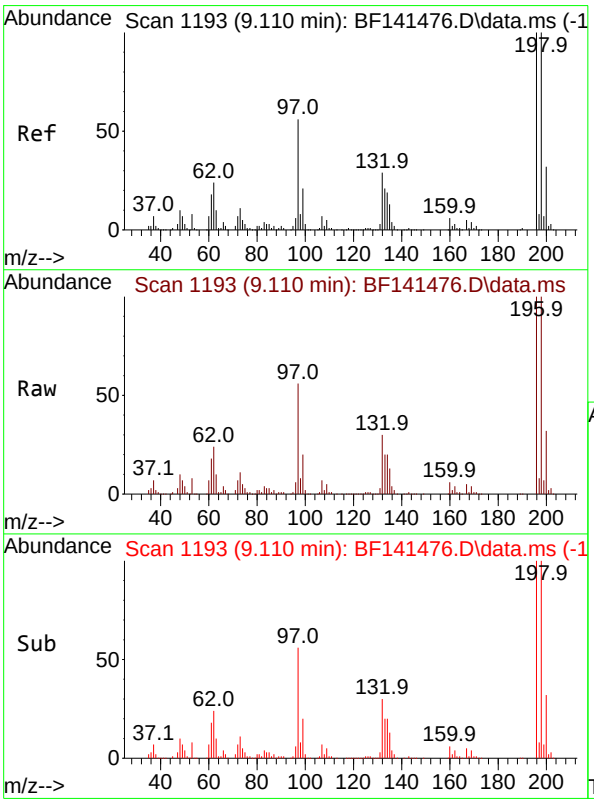
#43
2,4,6-Trichlorophenol
Concen: 40.288 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 145682

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.6	121.0
200	31.9	25.5	38.3

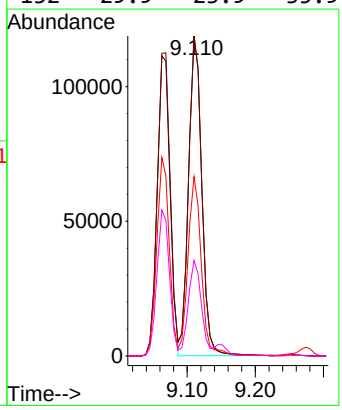


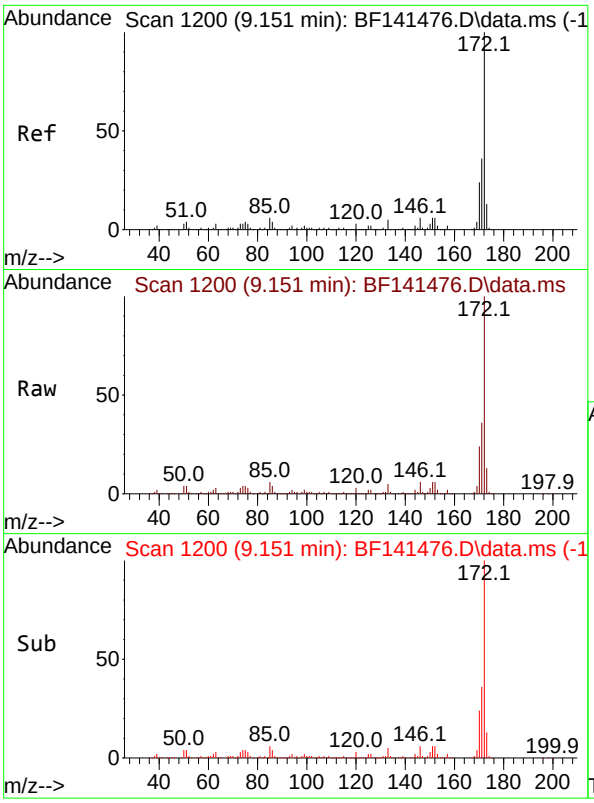


#44
2,4,5-Trichlorophenol
Concen: 40.492 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:196 Resp: 158685

Ion	Ratio	Lower	Upper
196	100		
198	99.8	79.8	119.8
97	56.0	44.8	67.2
132	29.9	23.9	35.9



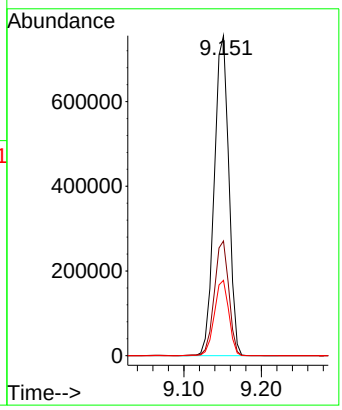


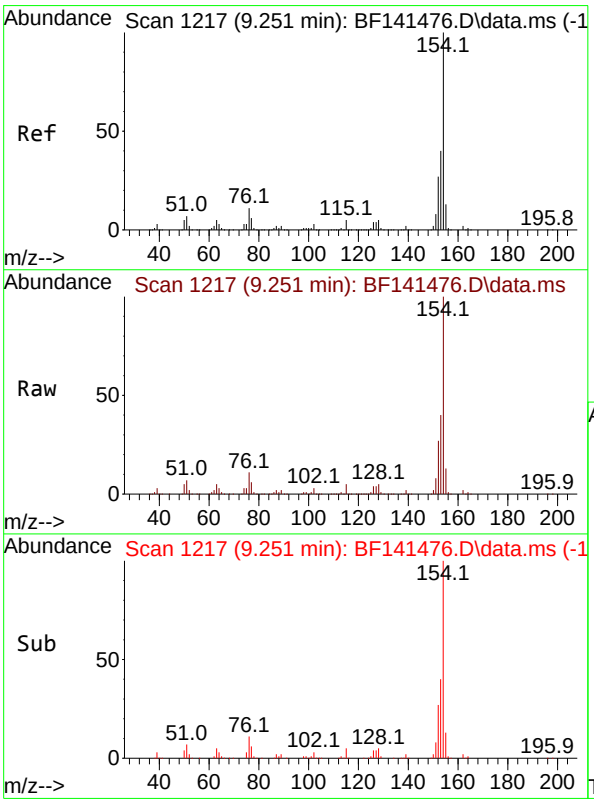
#45
2-Fluorobiphenyl
Concen: 78.189 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 981440

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.6	18.9	28.3

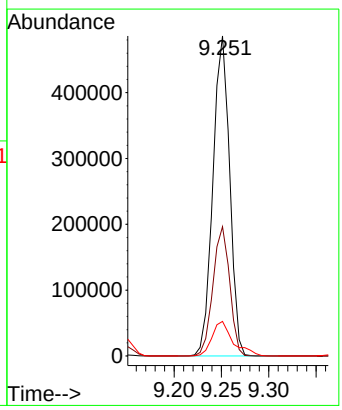


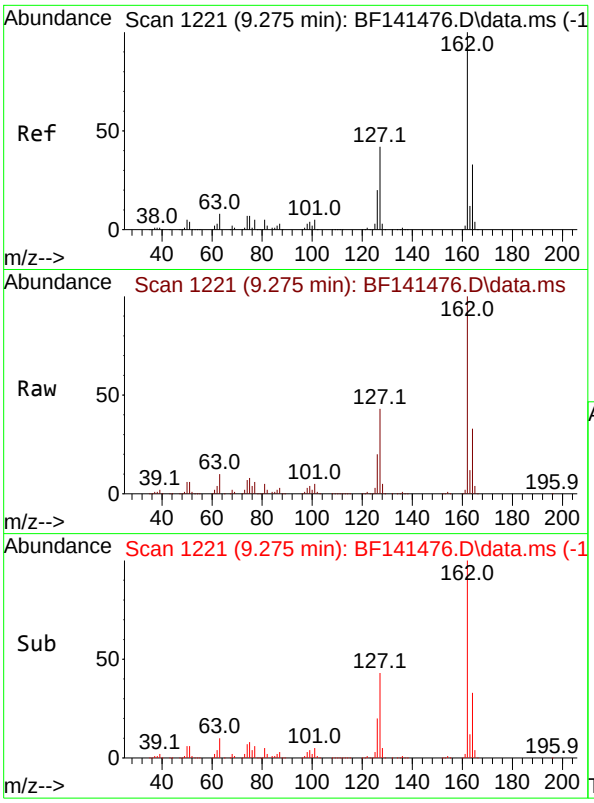


#46
1,1'-Biphenyl
Concen: 39.846 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:154 Resp: 597404

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.8	0.0	30.8



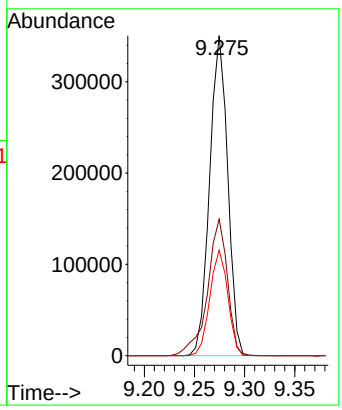


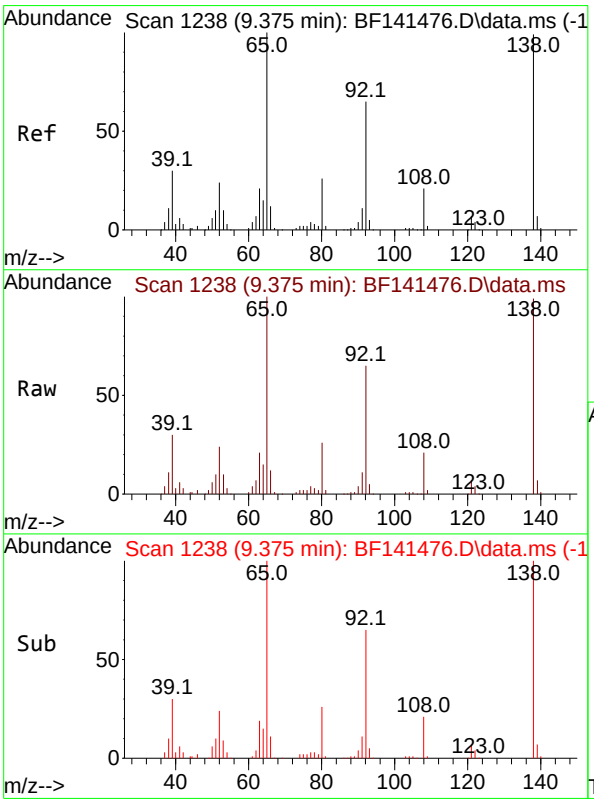
#47
2-Chloronaphthalene
Concen: 39.590 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 438926

Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.1	51.1
164	32.9	26.3	39.5

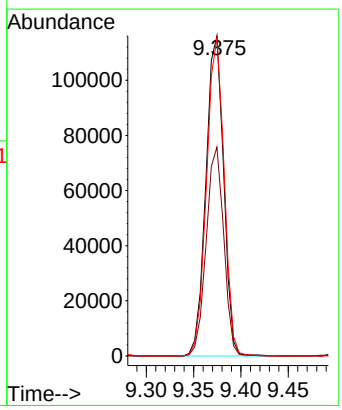


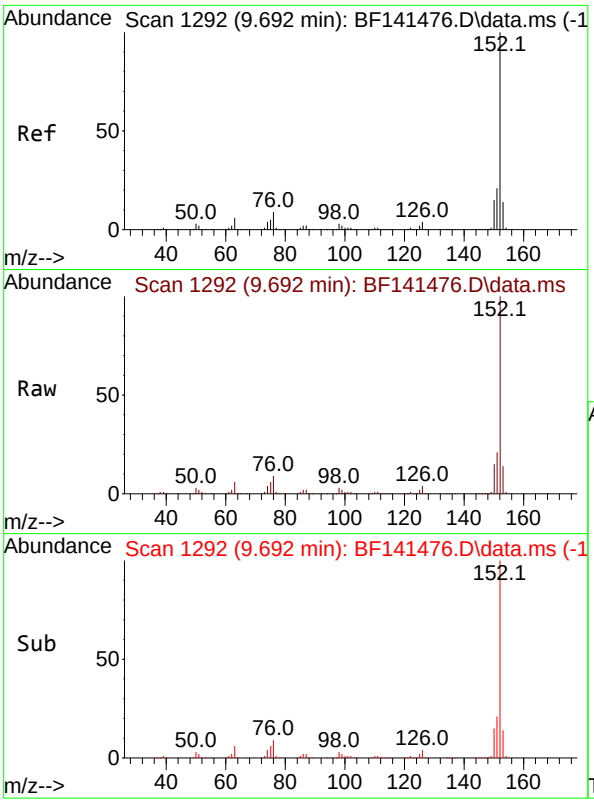


#48
2-Nitroaniline
Concen: 40.563 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 65 Resp: 150922

Ion	Ratio	Lower	Upper
65	100		
92	65.2	52.2	78.2
138	99.4	79.5	119.3



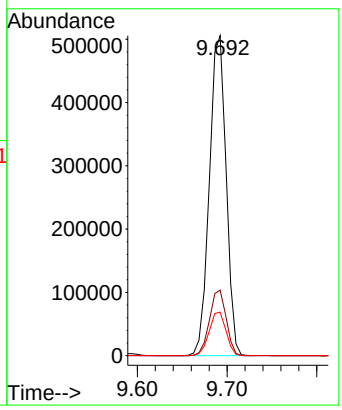


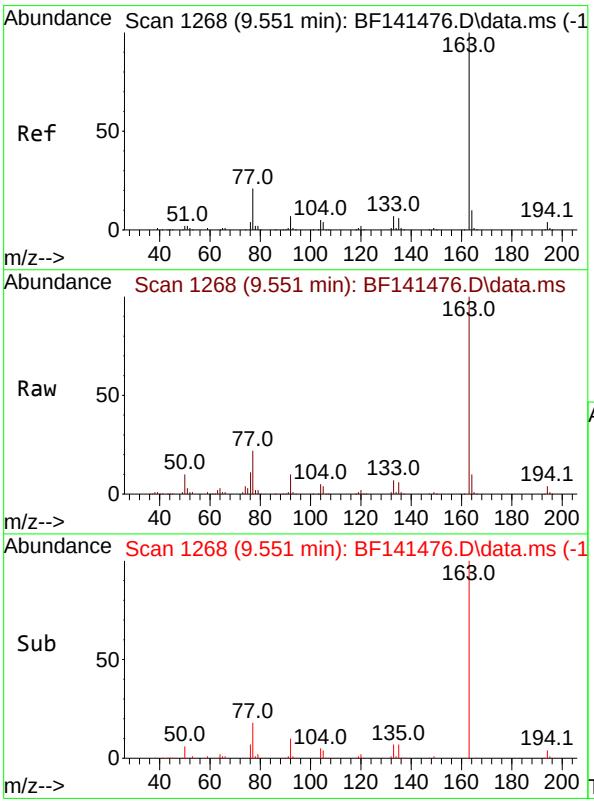
#49
Acenaphthylene
Concen: 39.789 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 656124

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.6	10.9	16.3

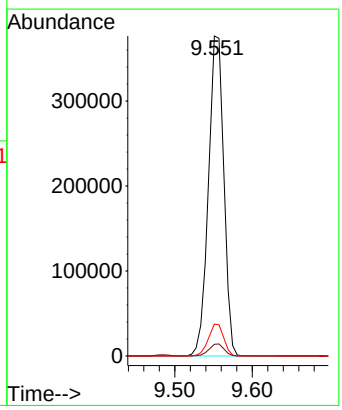


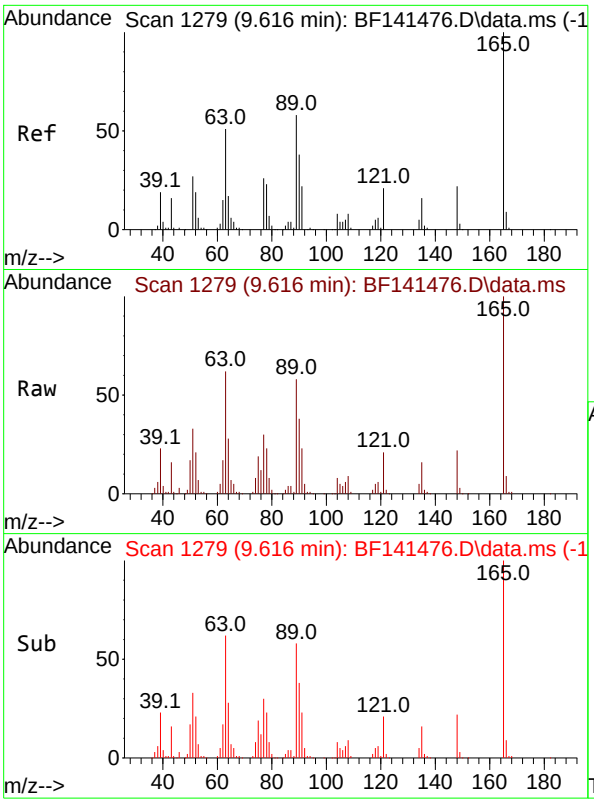


#50
Dimethylphthalate
Concen: 39.638 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:163 Resp: 520384

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.9	7.9	11.9



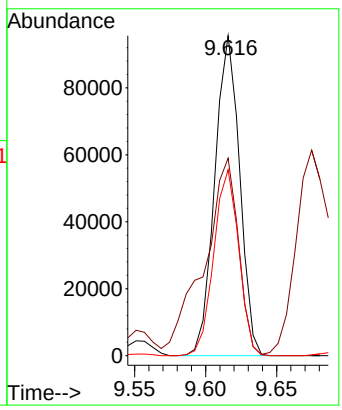


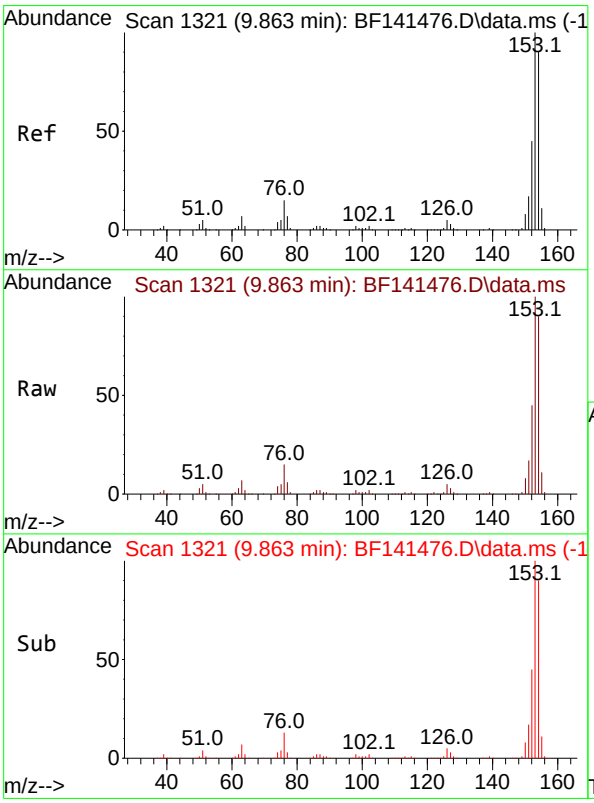
#51
2,6-Dinitrotoluene
Concen: 40.536 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 116338

Ion	Ratio	Lower	Upper
165	100		
63	61.7	49.4	74.0
89	58.1	46.5	69.7

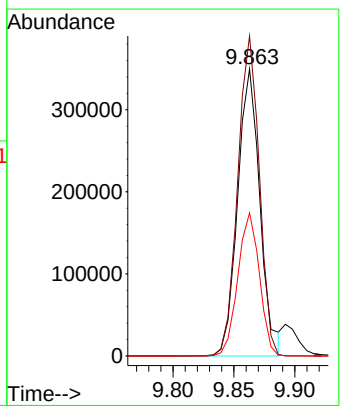


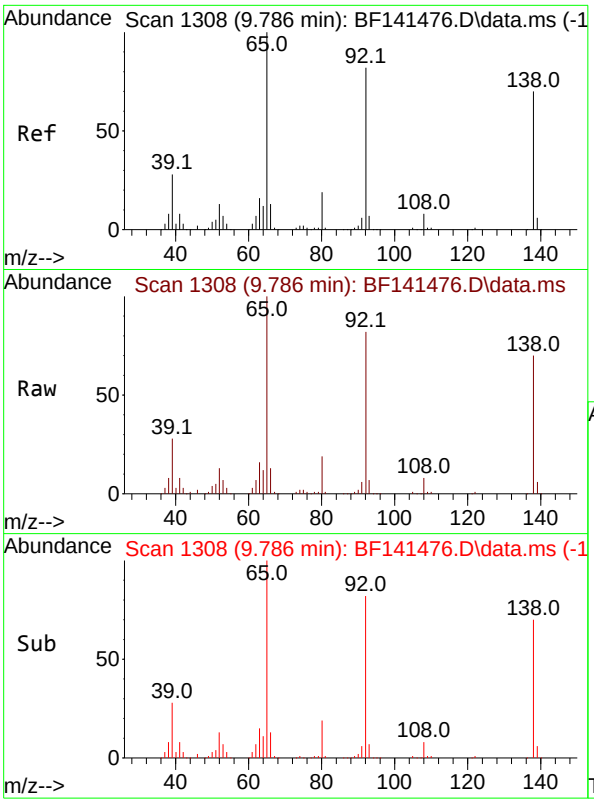


#52
Acenaphthene
Concen: 40.186 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:154 Resp: 445515

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	49.8	39.8	59.8



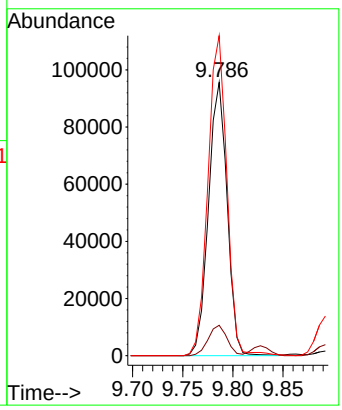


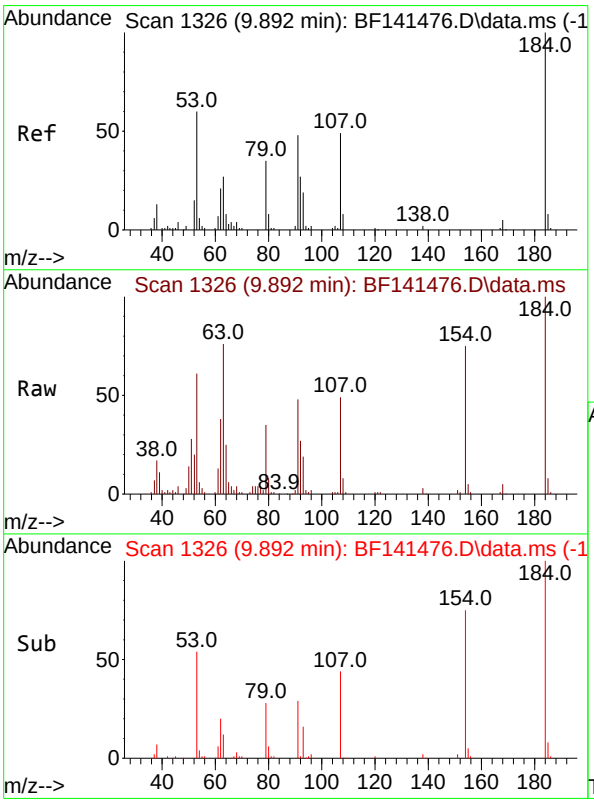
#53
3-Nitroaniline
Concen: 39.991 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 123530

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	117.1	93.7	140.5

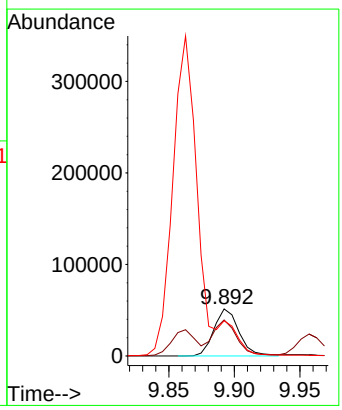


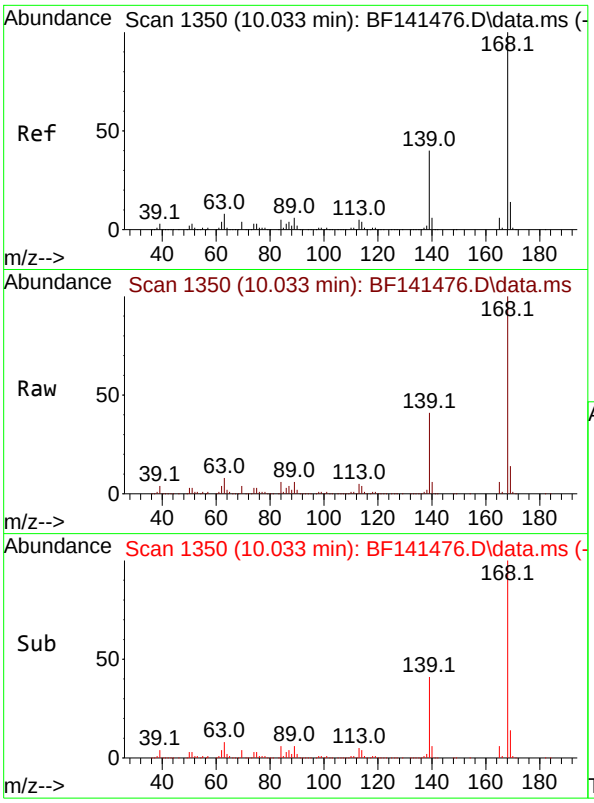


#54
2,4-Dinitrophenol
Concen: 40.153 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:184 Resp: 68489

Ion	Ratio	Lower	Upper
184	100		
63	76.3	61.0	91.6
154	74.9	59.9	89.9



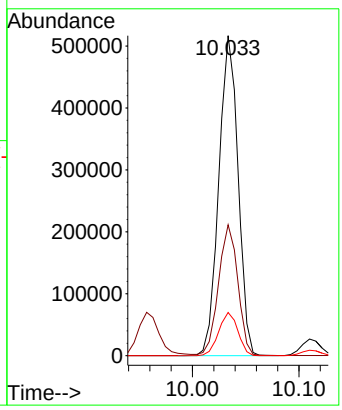


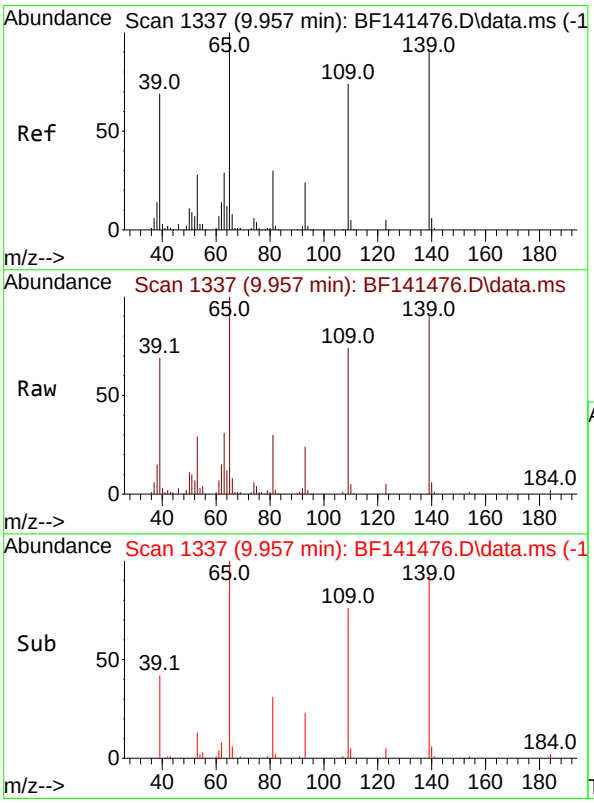
#55
Dibenzofuran
Concen: 39.775 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 647242

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.5	10.8	16.2

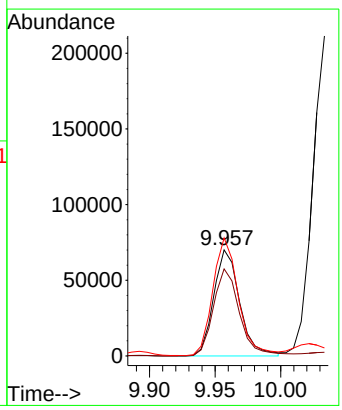


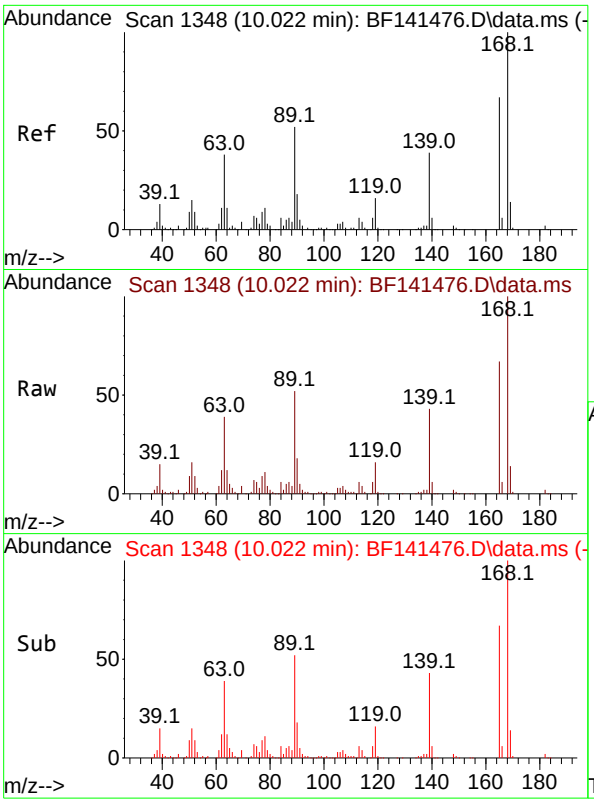


#56
4-Nitrophenol
Concen: 42.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:139 Resp: 96456

Ion	Ratio	Lower	Upper
139	100		
109	82.0	62.0	102.0
65	111.2	91.2	131.2



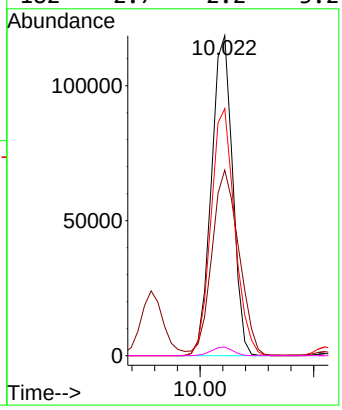


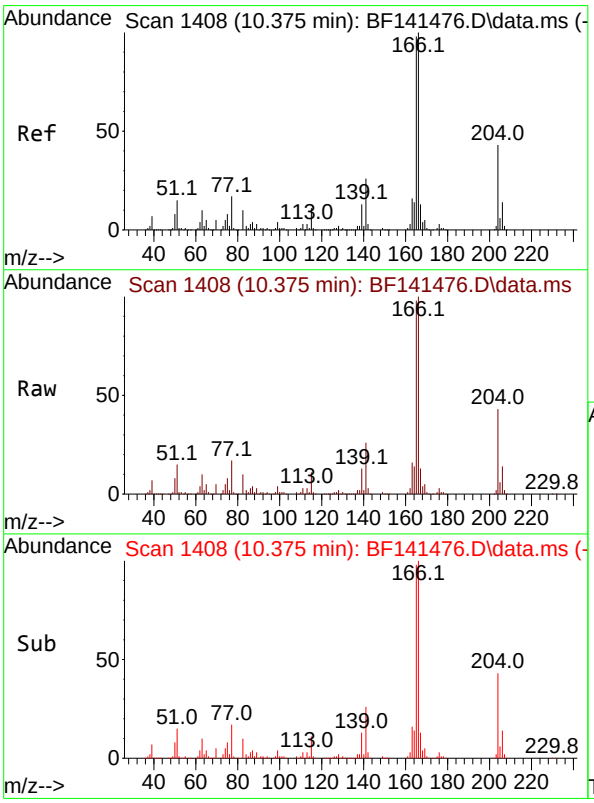
#57
2,4-Dinitrotoluene
Concen: 40.262 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 153824

Ion	Ratio	Lower	Upper
165	100		
63	58.0	46.4	69.6
89	77.2	61.8	92.6
182	2.7	2.2	3.2

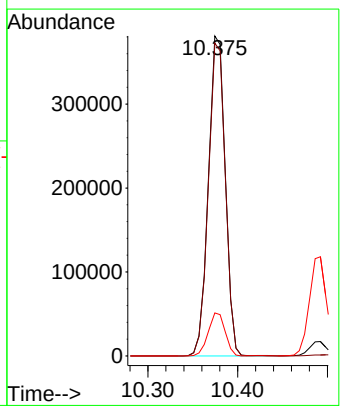


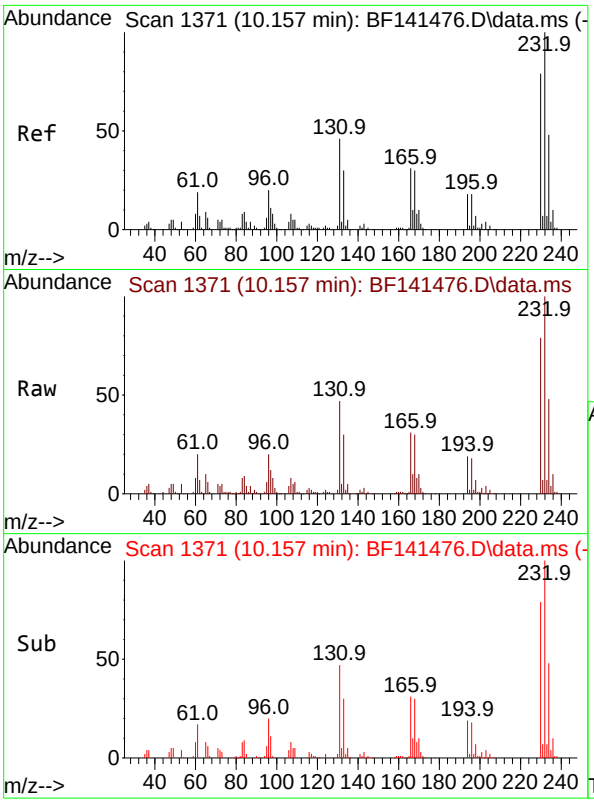


#58
Fluorene
Concen: 39.654 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:166 Resp: 498929

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.4	10.7	16.1



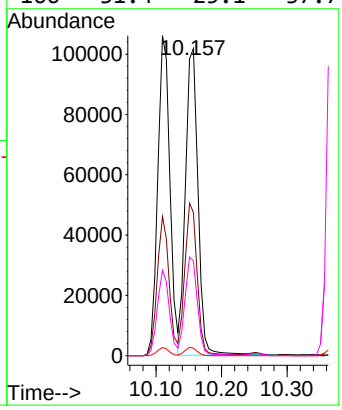


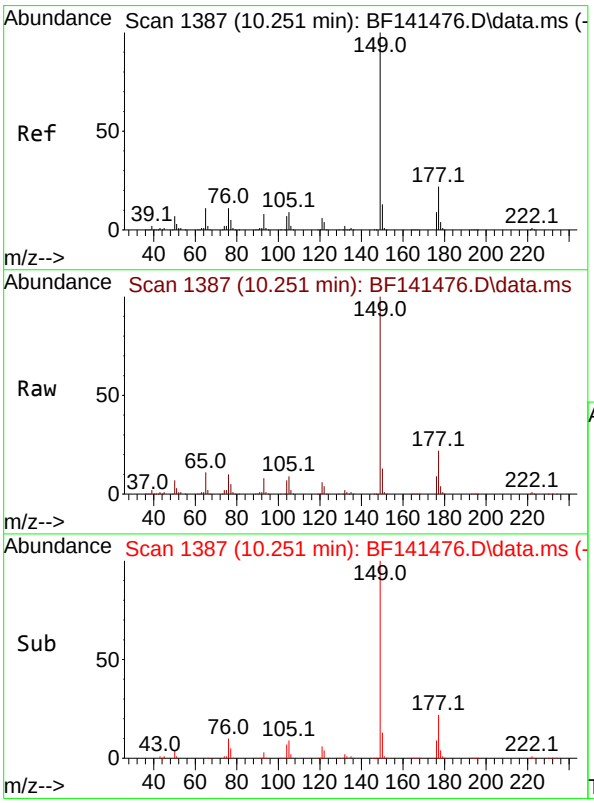
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.888 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 134581

Ion	Ratio	Lower	Upper
232	100		
131	49.0	39.2	58.8
130	2.6	2.1	3.1
166	31.4	25.1	37.7

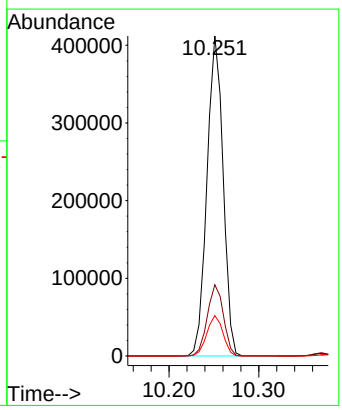


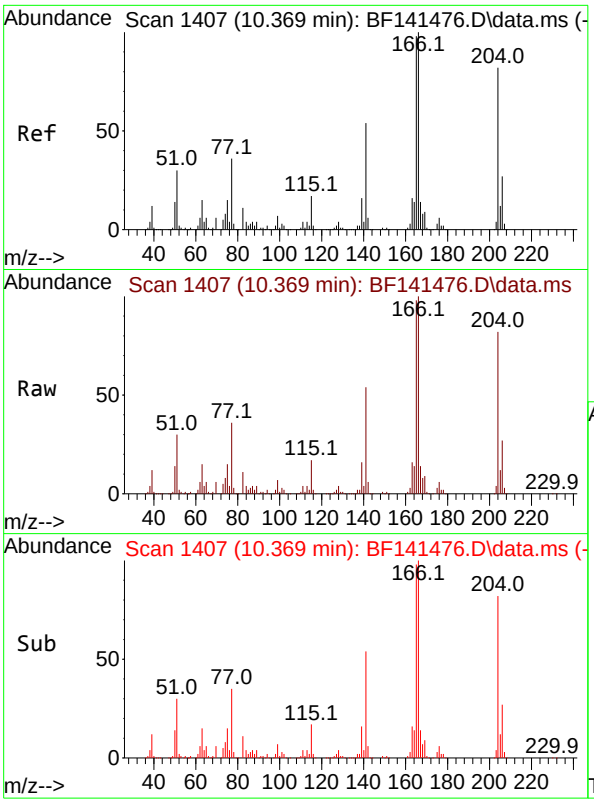


#60
Diethylphthalate
Concen: 39.821 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 514358

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.6	10.1	15.1



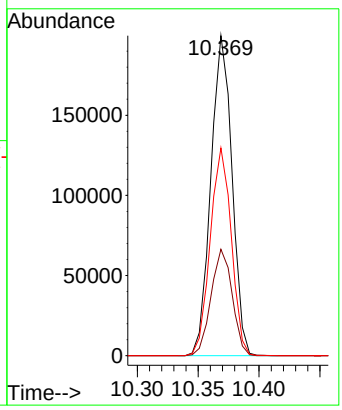


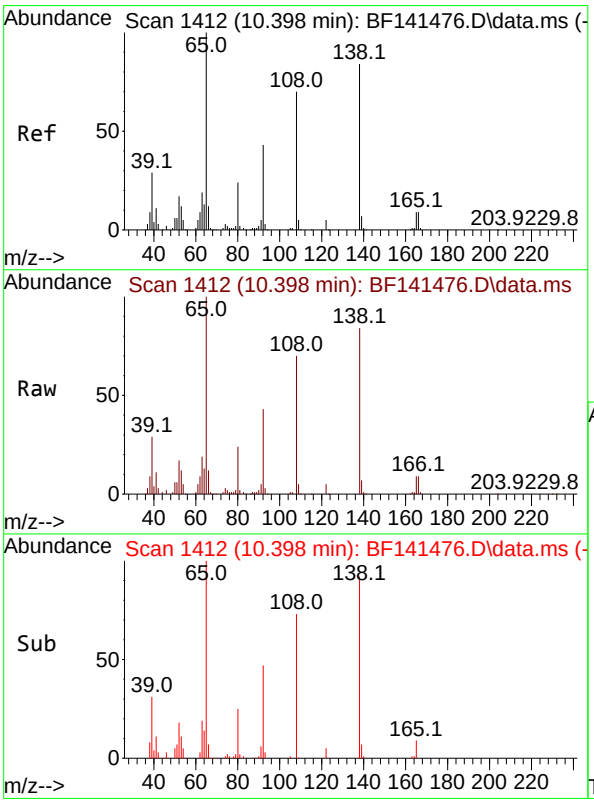
#61
4-Chlorophenyl-phenylether
Concen: 39.767 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 240707

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	64.9	51.9	77.9

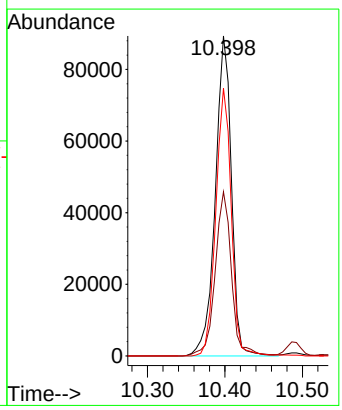


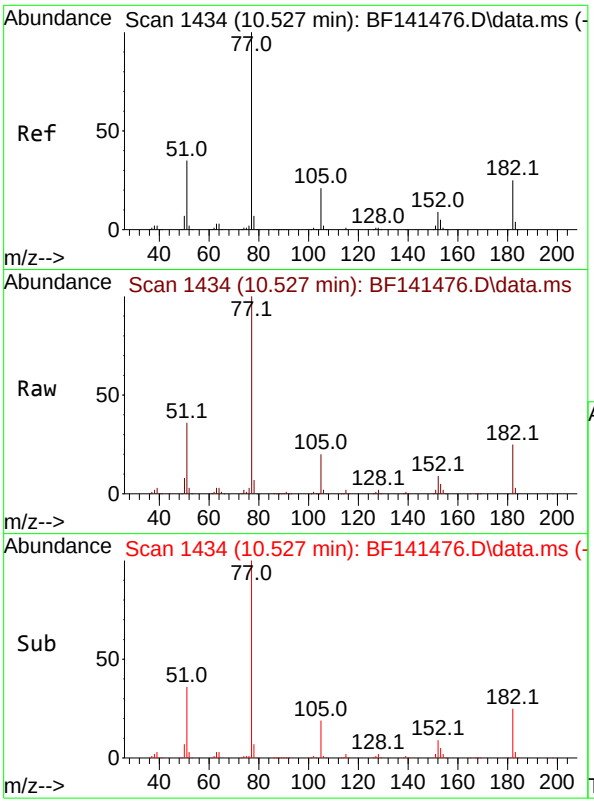


#62
4-Nitroaniline
Concen: 41.253 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:138 Resp: 129392

Ion	Ratio	Lower	Upper
138	100		
92	51.3	31.3	71.3
108	83.7	63.7	103.7



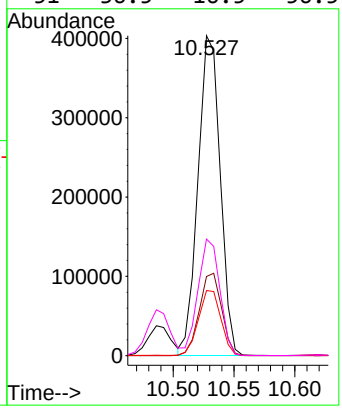


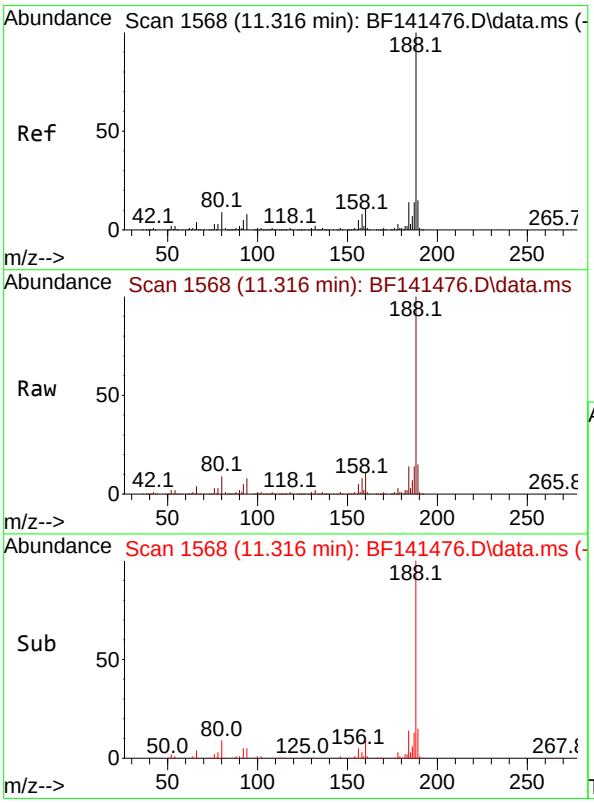
#63
Azobenzene
Concen: 39.926 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 512692

Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.7	44.7
105	20.4	0.4	40.4
51	36.5	16.5	56.5

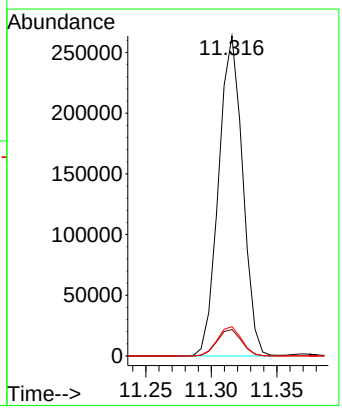


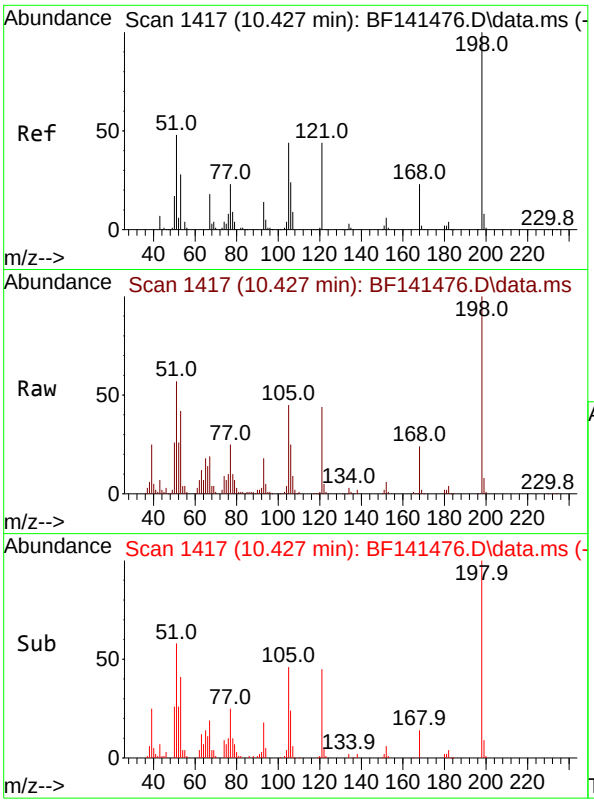


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:188 Resp: 336425

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.1	7.3	10.9



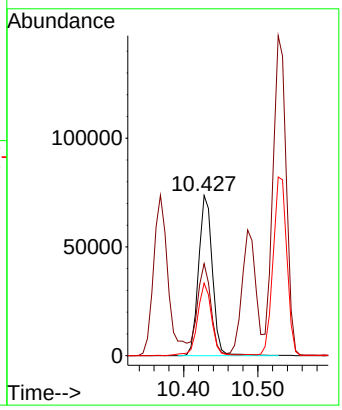


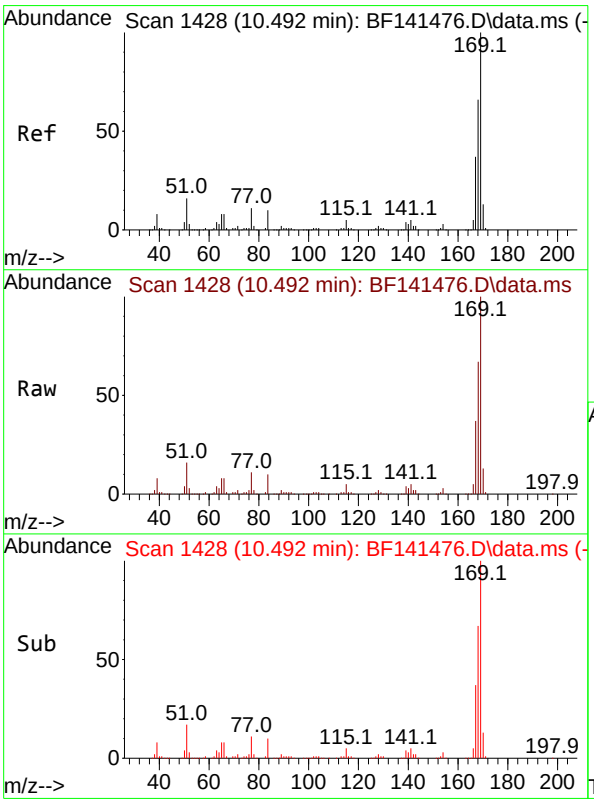
#65
4,6-Dinitro-2-methylphenol
Concen: 40.874 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 95521

Ion	Ratio	Lower	Upper
198	100		
51	57.4	37.4	77.4
105	45.2	25.2	65.2

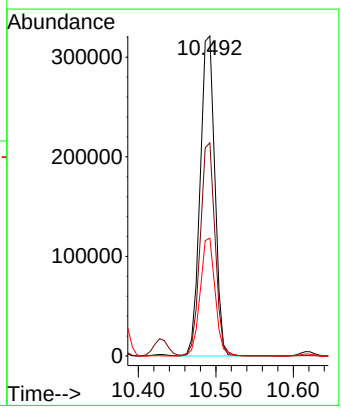


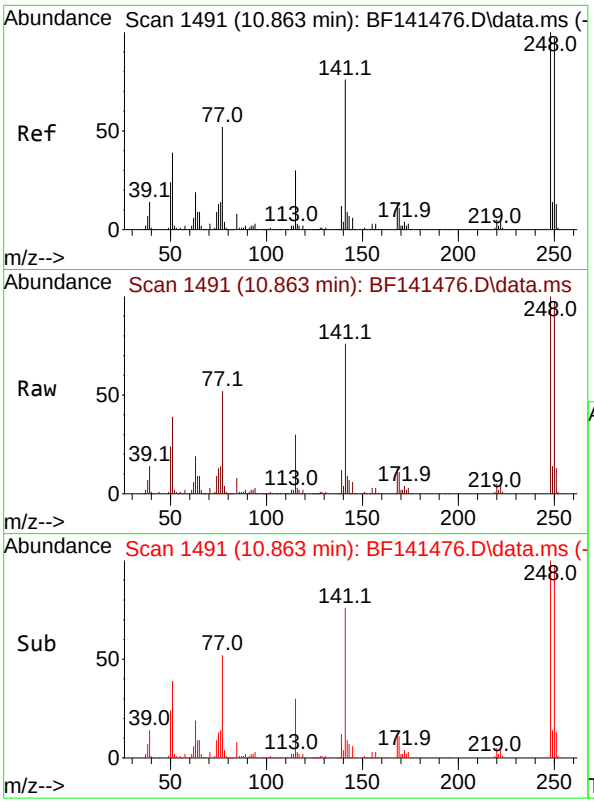


#66
n-Nitrosodiphenylamine
Concen: 39.180 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:169 Resp: 421937

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.3	79.9
167	36.8	29.4	44.2



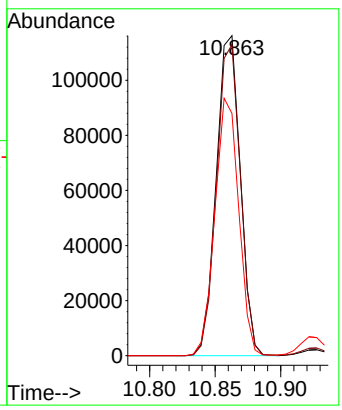


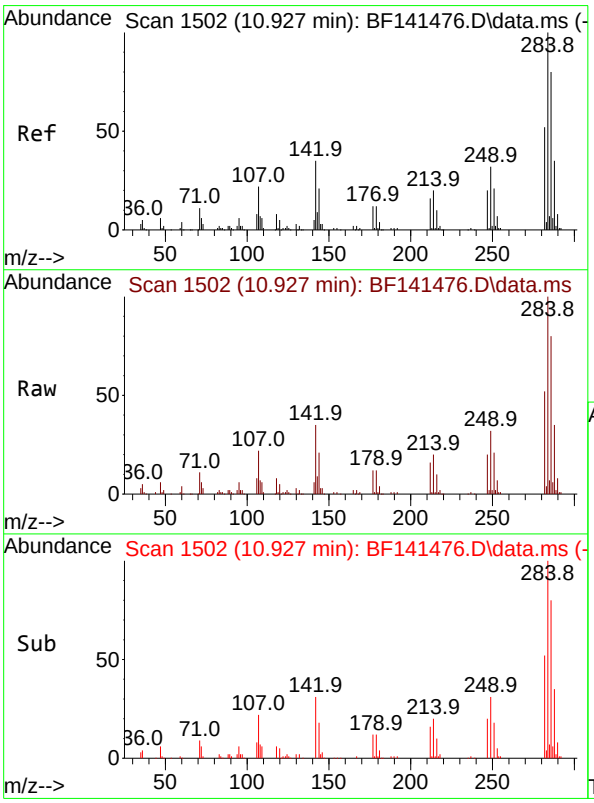
#67
4-Bromophenyl-phenylether
Concen: 39.522 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 148603

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.6
141	75.7	60.6	90.8

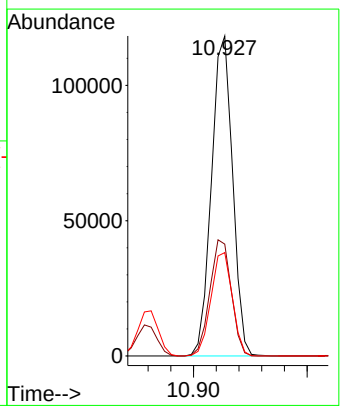


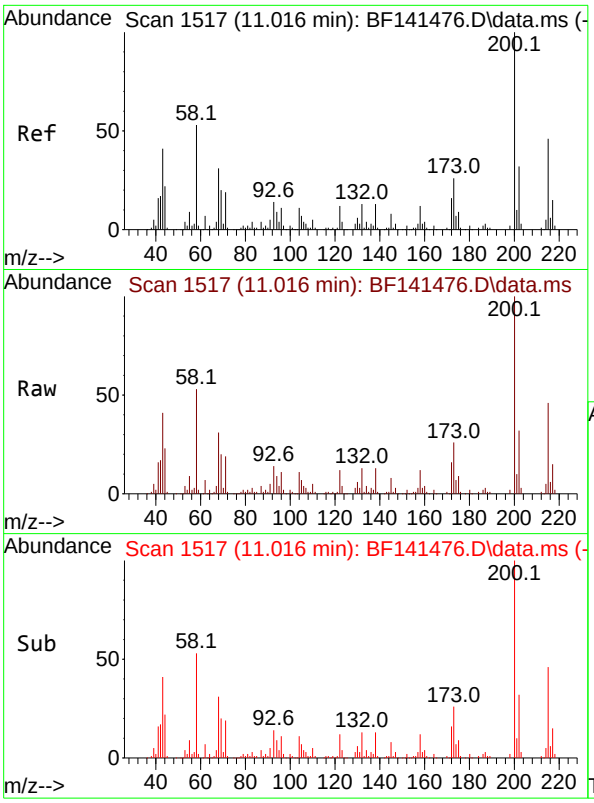


#68
Hexachlorobenzene
Concen: 39.430 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:284 Resp: 152664

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.0	42.0
249	32.3	25.8	38.8



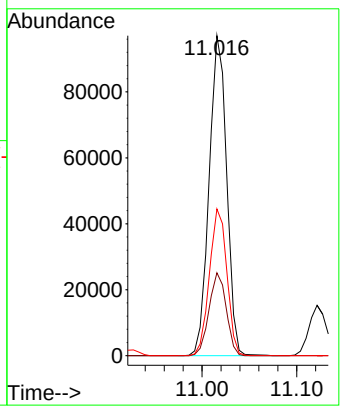


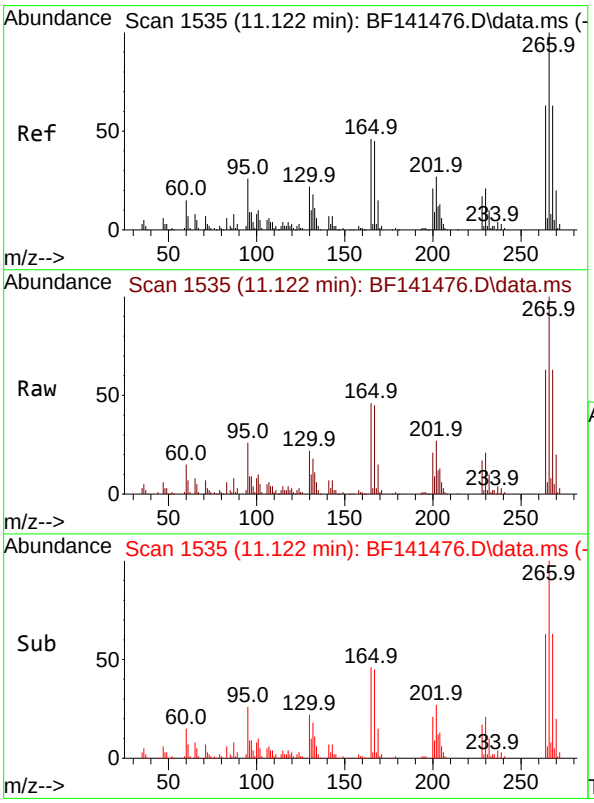
#69
Atrazine
Concen: 38.533 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 124494

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	45.9	25.9	65.9

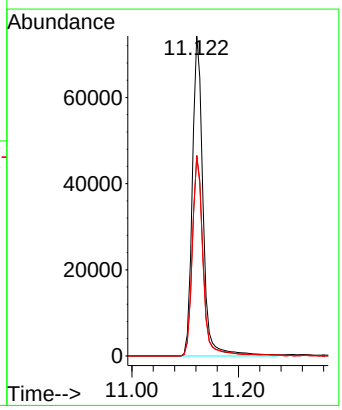


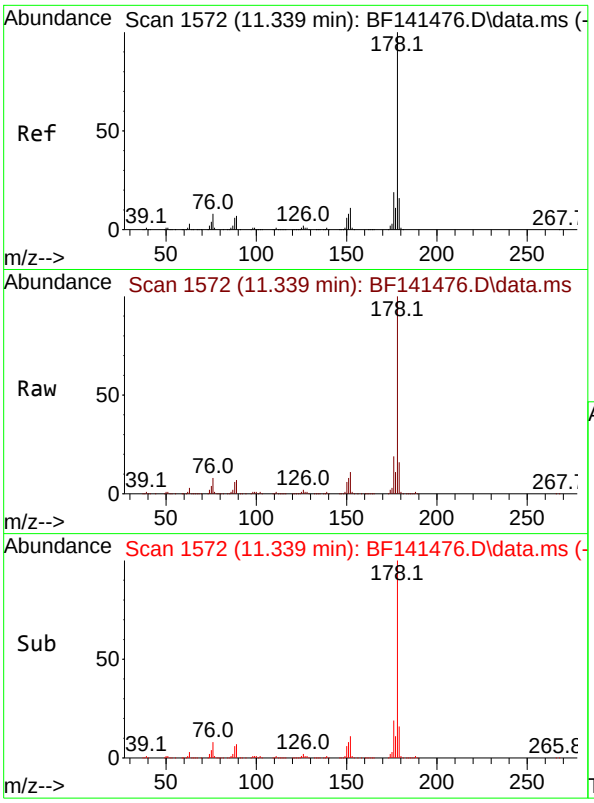


#70
Pentachlorophenol
Concen: 41.930 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:266 Resp: 103806

Ion	Ratio	Lower	Upper
266	100		
268	62.6	50.1	75.1
264	62.6	50.1	75.1



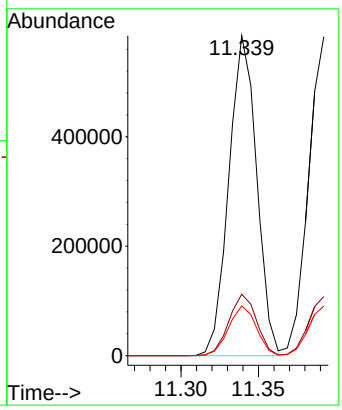


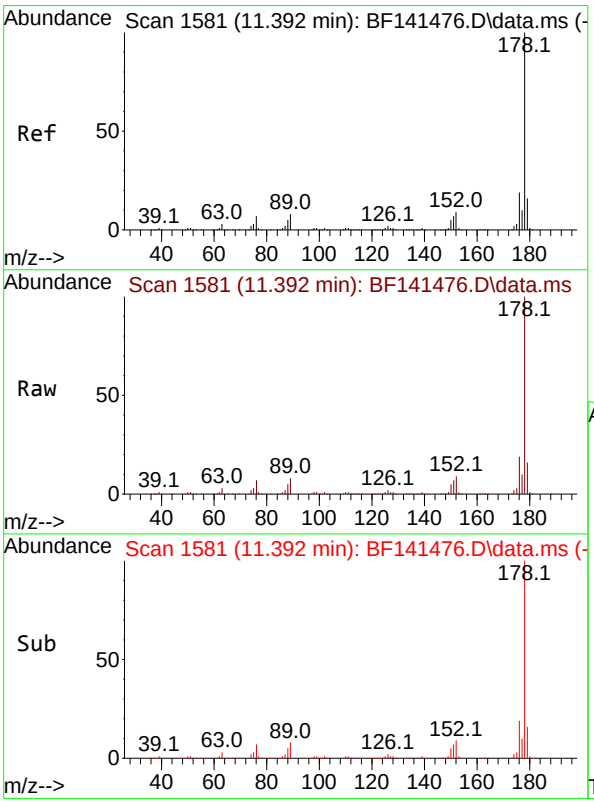
#71
Phenanthrene
Concen: 39.397 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 729585

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.4	18.6

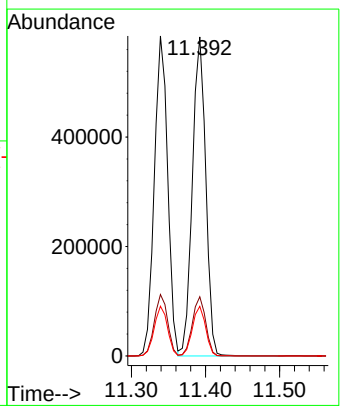


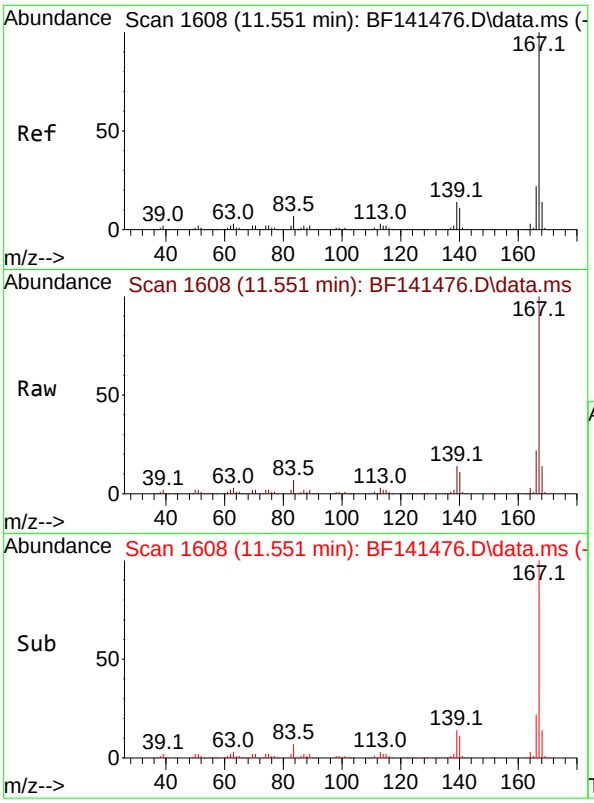


#72
Anthracene
Concen: 39.125 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:178 Resp: 728337

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.5	12.4	18.6



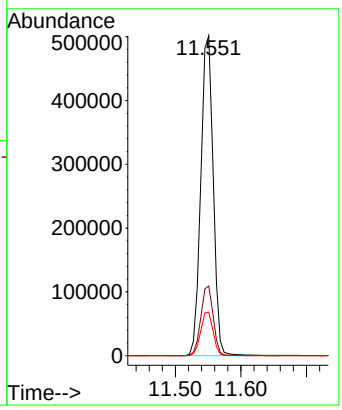


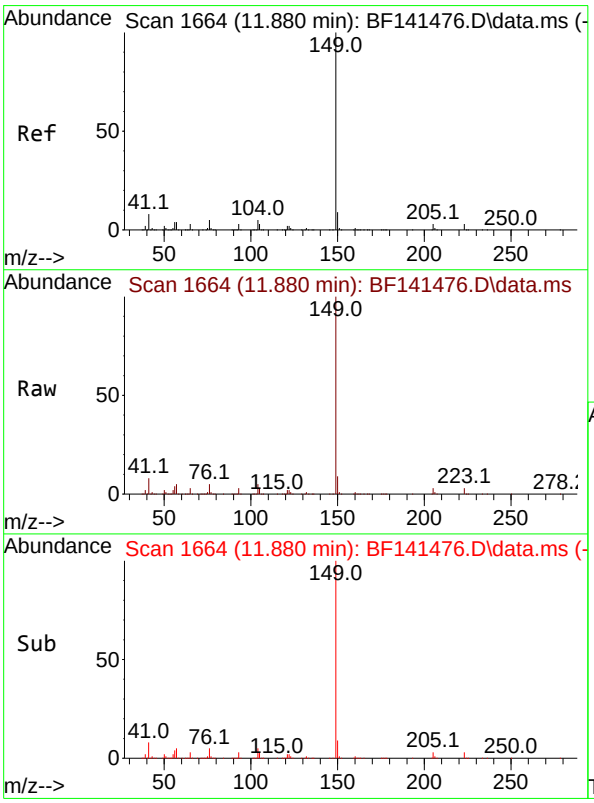
#73
Carbazole
Concen: 39.613 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 663523

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.6	10.9	16.3

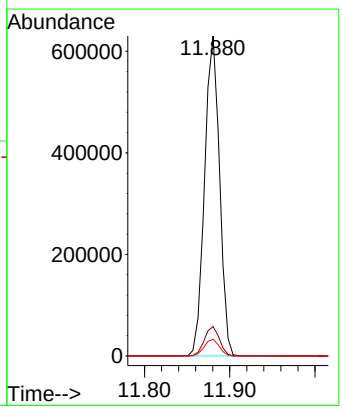


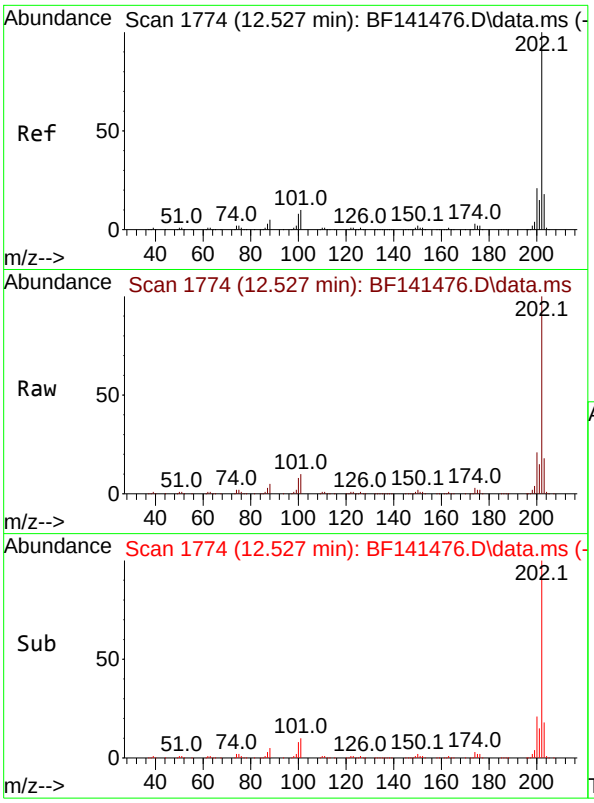


#74
Di-n-butylphthalate
Concen: 39.706 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 767961

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2



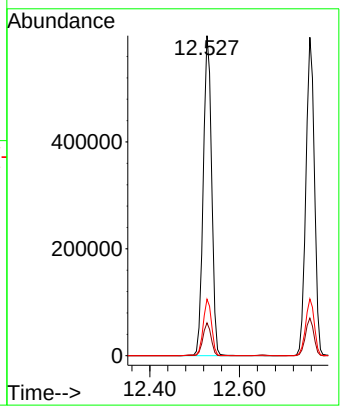


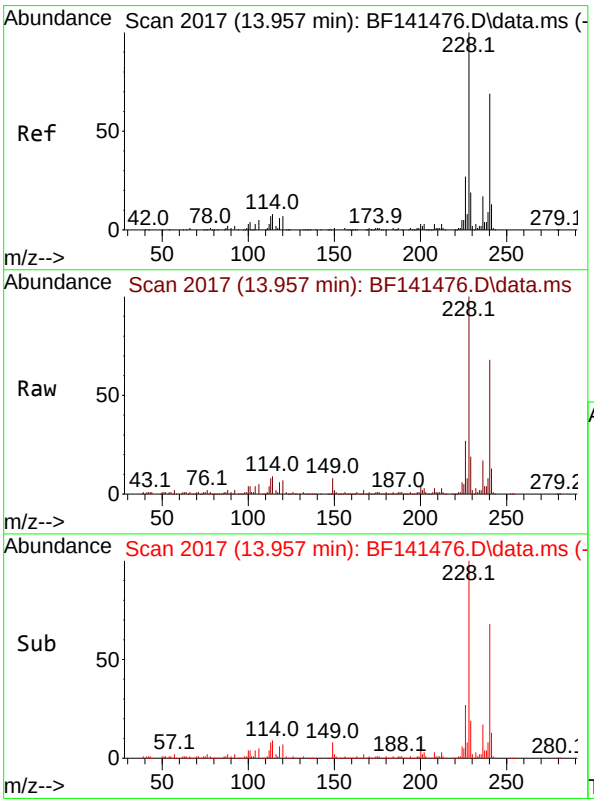
#75
Fluoranthene
Concen: 39.441 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 774369

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6

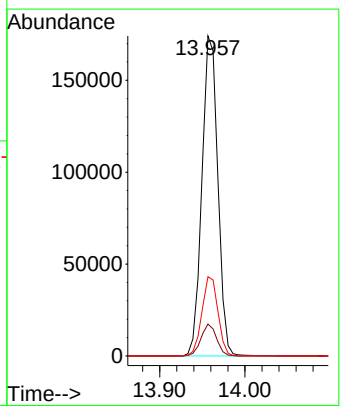


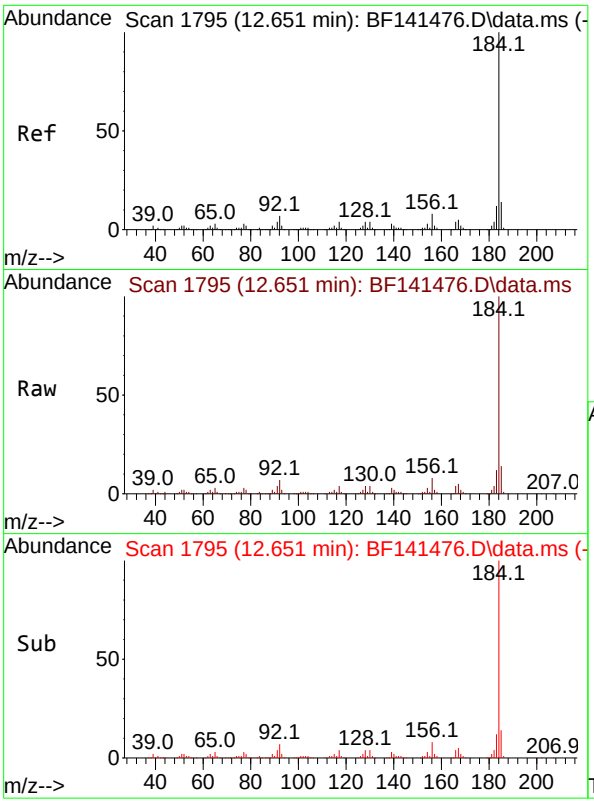


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:240 Resp: 225462

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	24.8	19.8	29.8



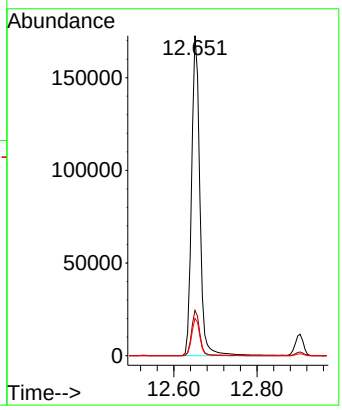


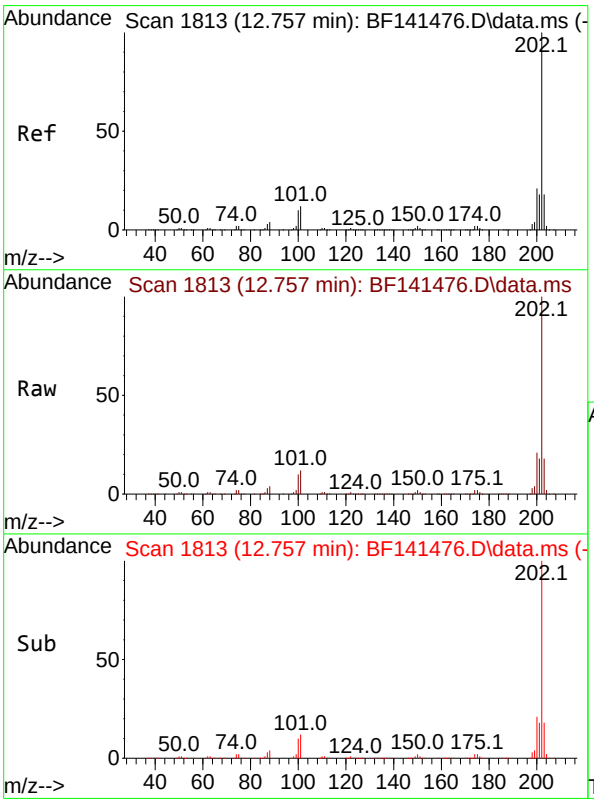
#77
Benzidine
Concen: 47.917 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 238261

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.6	9.3	13.9

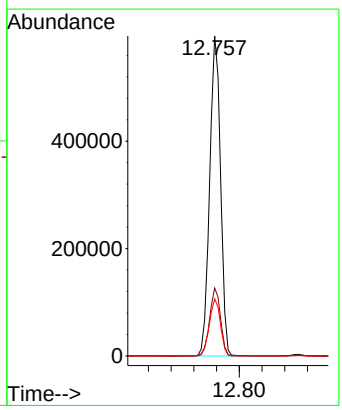


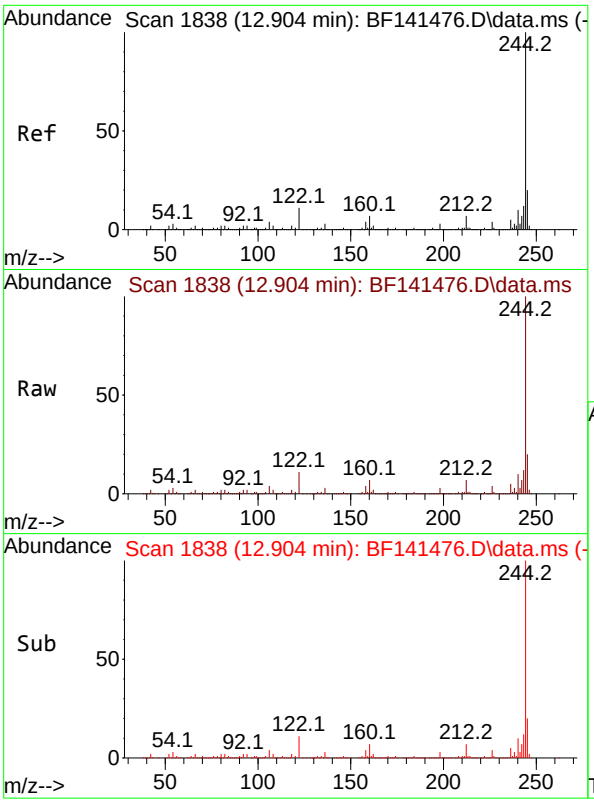


#78
Pyrene
Concen: 41.002 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:202 Resp: 786956

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5



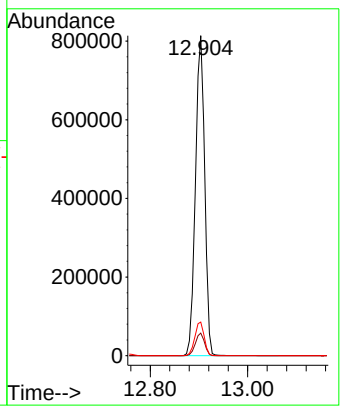


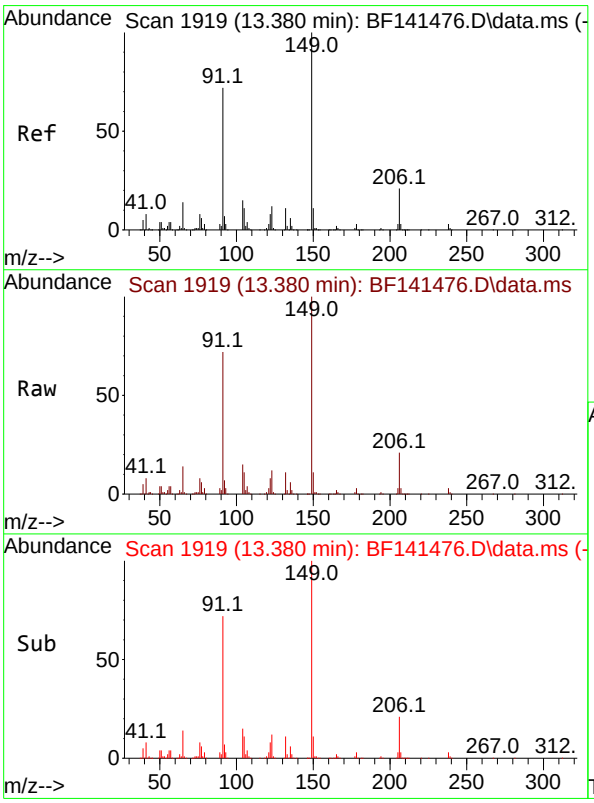
#79
Terphenyl-d14
Concen: 80.879 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1080174

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.5	8.4	12.6

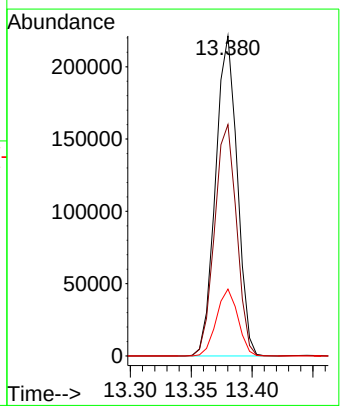


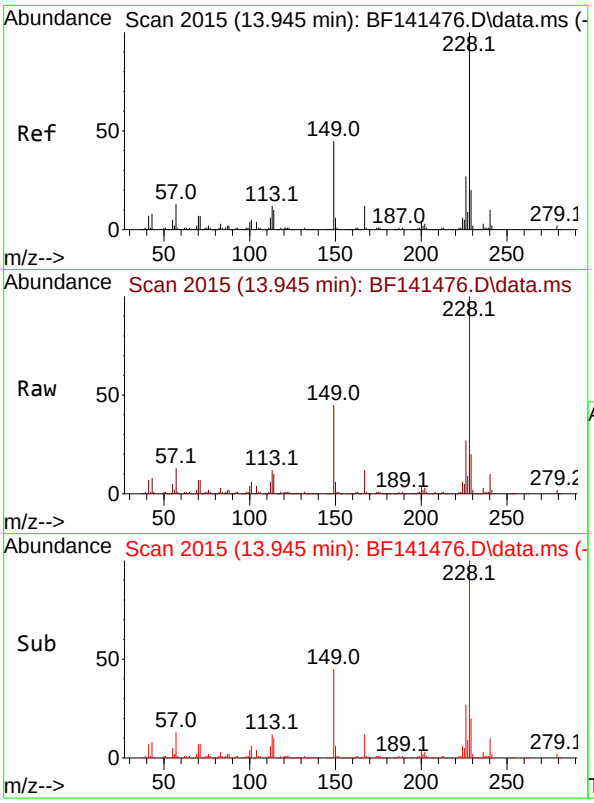


#80
Butylbenzylphthalate
Concen: 41.323 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 274711

Ion	Ratio	Lower	Upper
149	100		
91	72.3	57.8	86.8
206	20.9	16.7	25.1



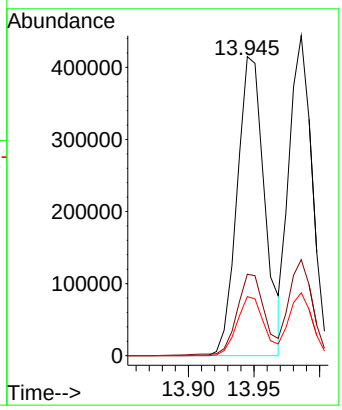


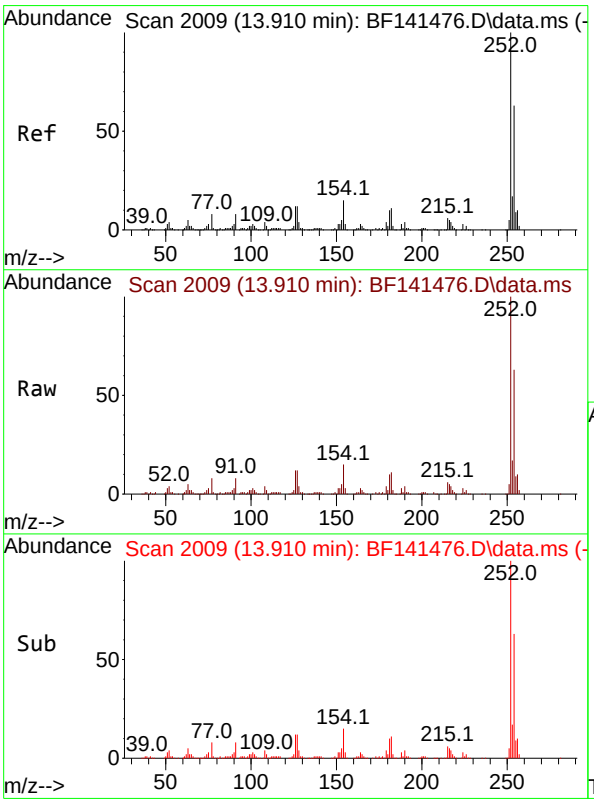
#81
Benzo(a)anthracene
Concen: 40.479 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 606669

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.8	23.6

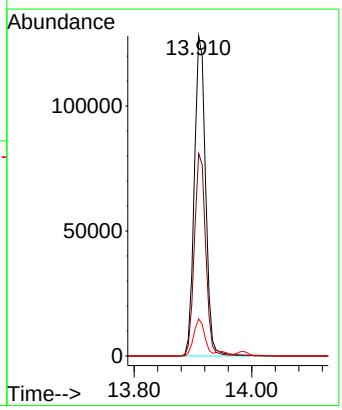


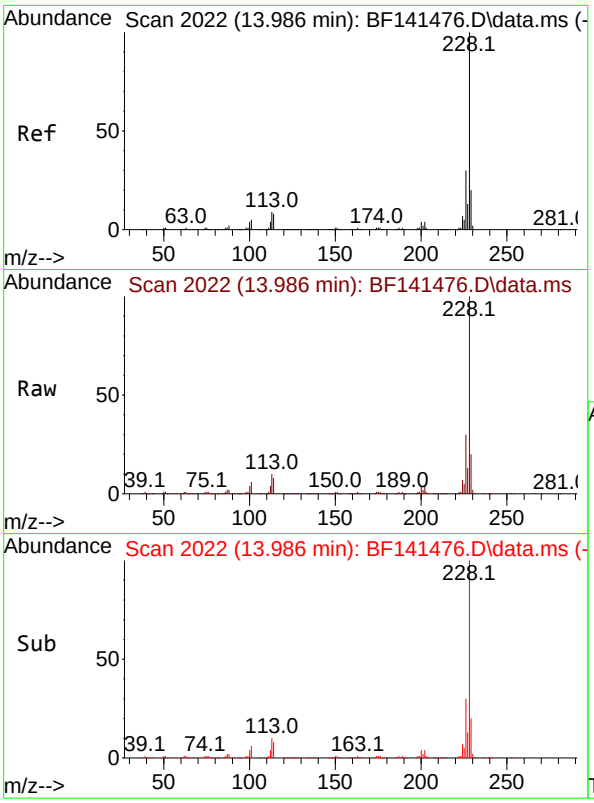


#82
3,3'-Dichlorobenzidine
Concen: 39.640 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 170181

Ion	Ratio	Lower	Upper
252	100		
254	63.3	50.6	76.0
126	11.6	9.3	13.9



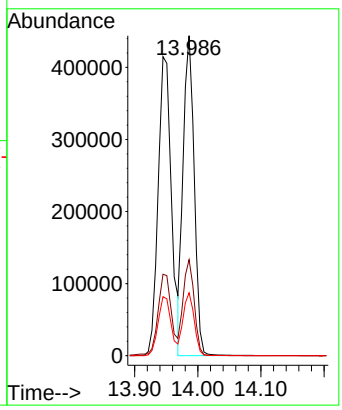


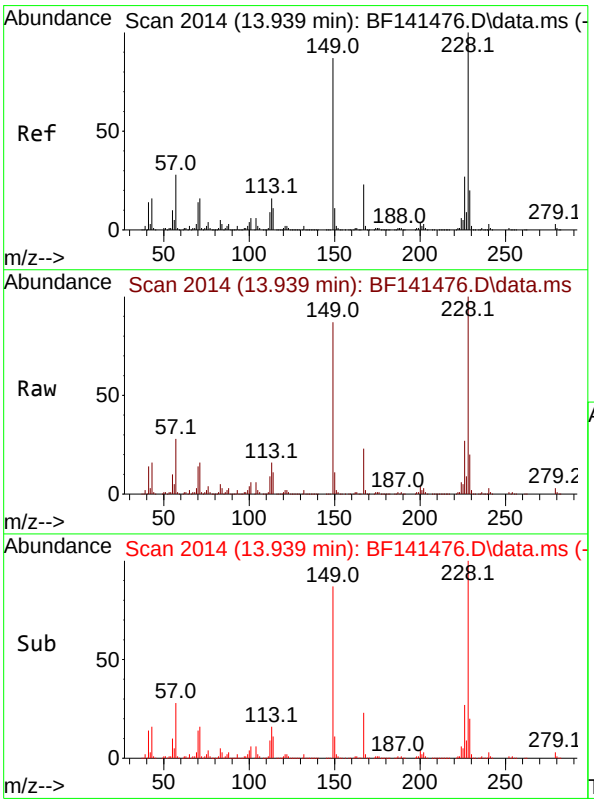
#83
Chrysene
Concen: 39.121 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 541376

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.6	15.7	23.5

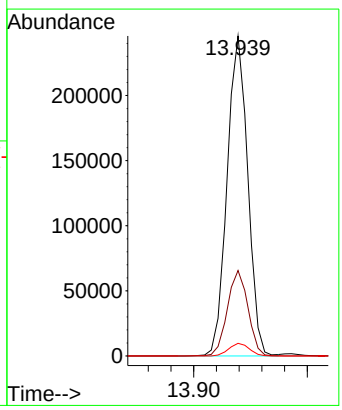


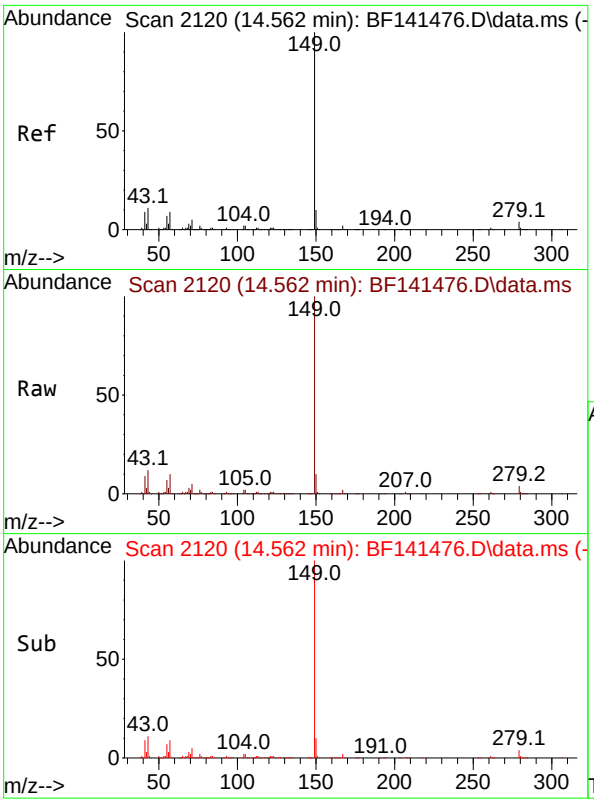


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.438 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 310696

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	3.9	3.1	4.7



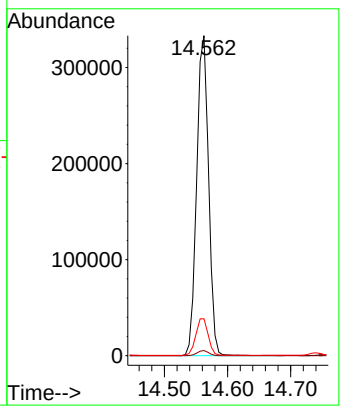


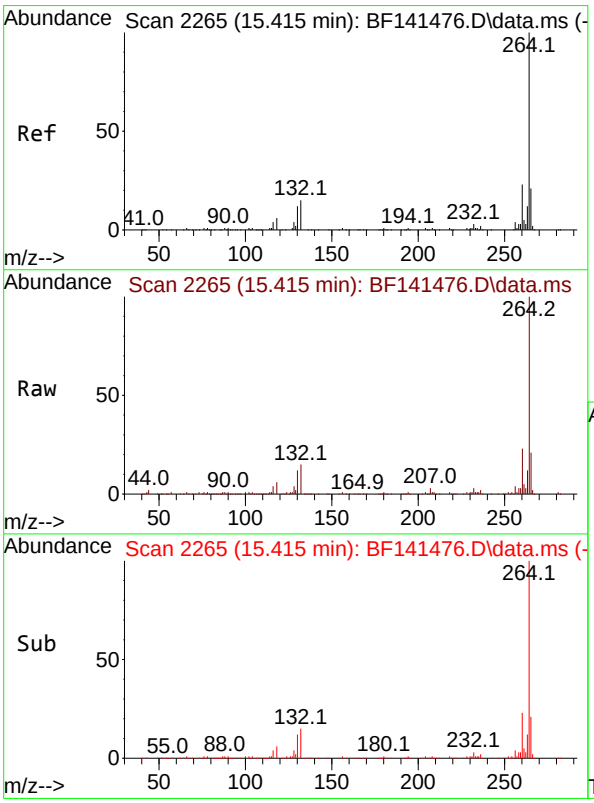
#85
Di-n-octyl phthalate
Concen: 40.682 ng
RT: 14.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 435142

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.5	14.3

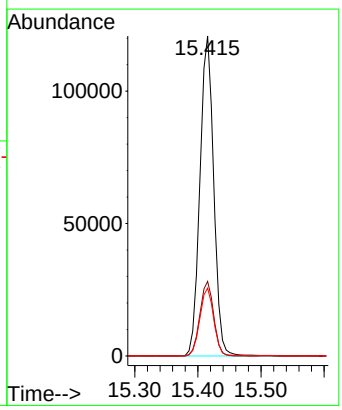


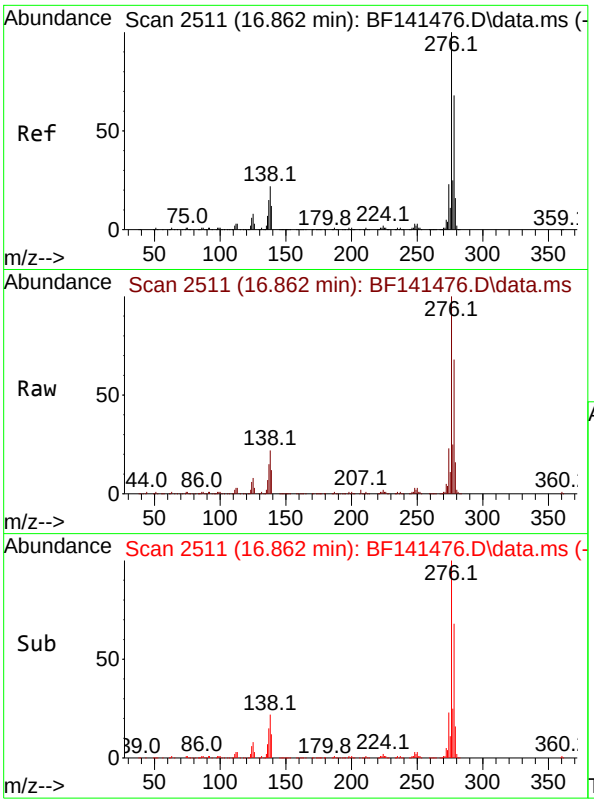


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:264 Resp: 182907

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.2	17.0	25.4



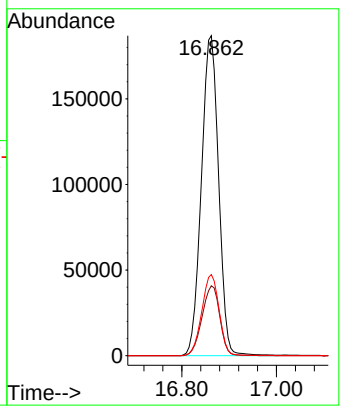


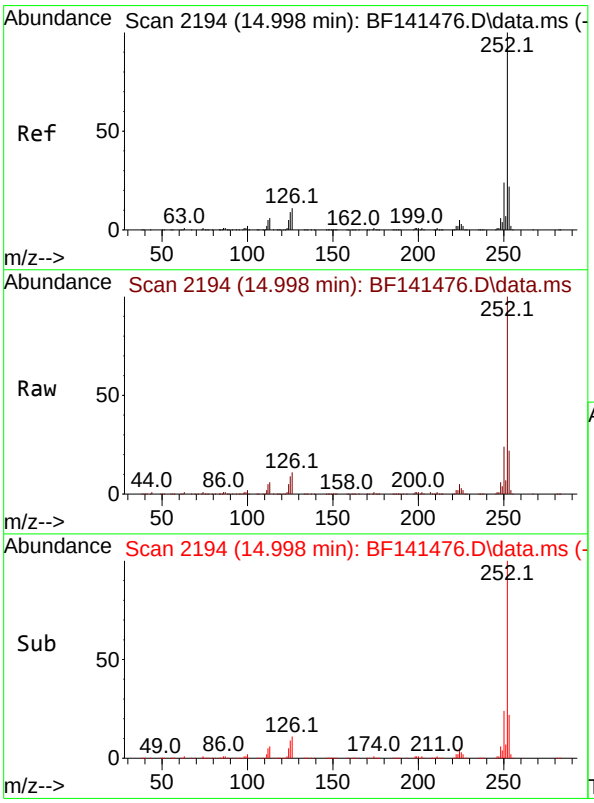
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.699 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 471272

Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.0	27.0
277	25.5	20.4	30.6

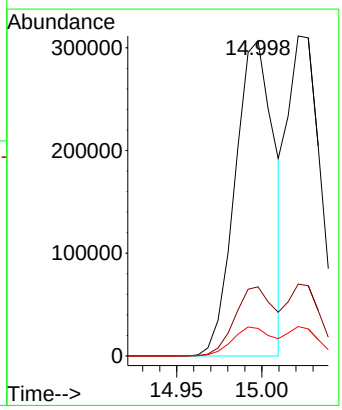


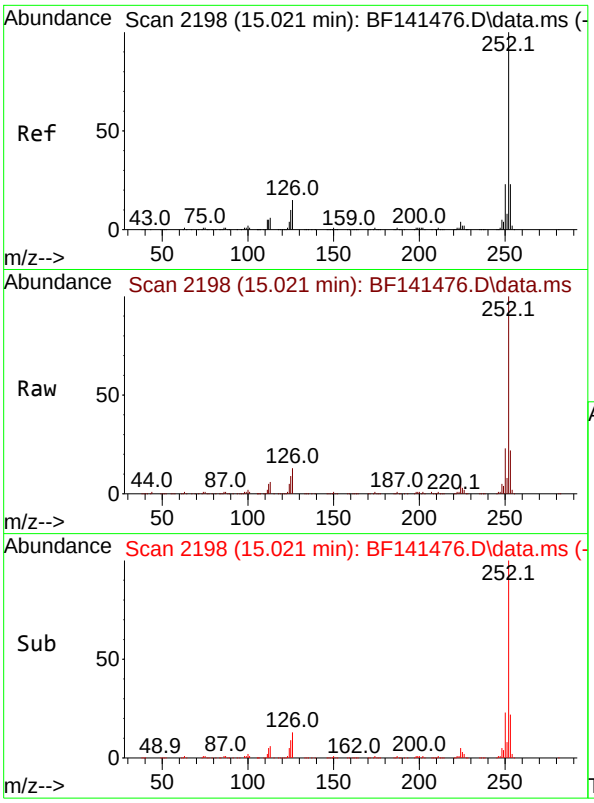


#88
Benzo(b)fluoranthene
Concen: 39.783 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 488585

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.8	7.0	10.6



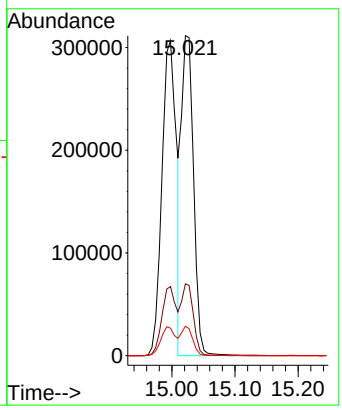


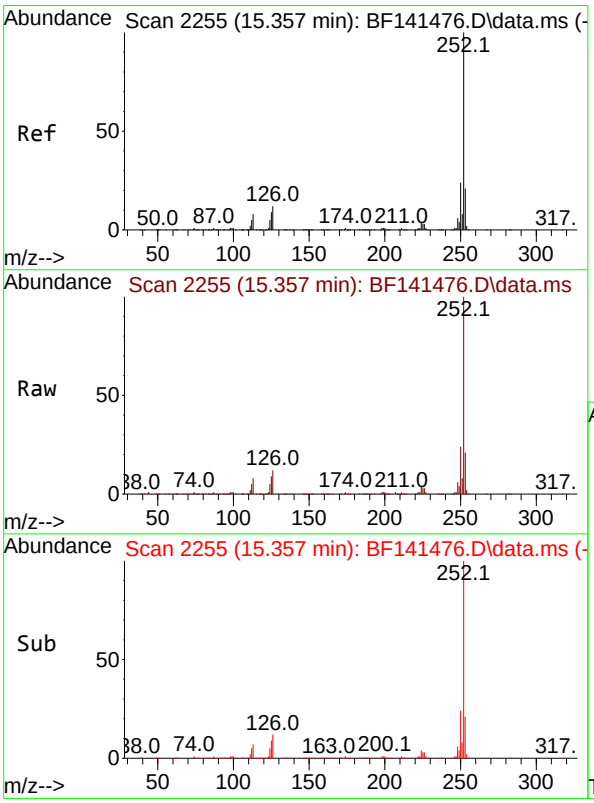
#89
Benzo(k)fluoranthene
Concen: 39.836 ng
RT: 15.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 417770

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	9.2	7.4	11.0

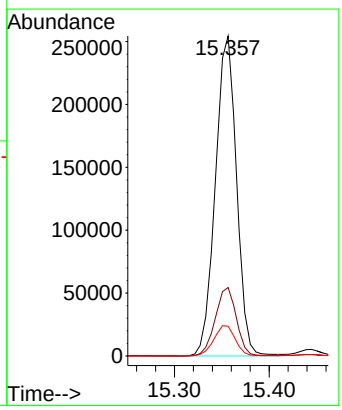


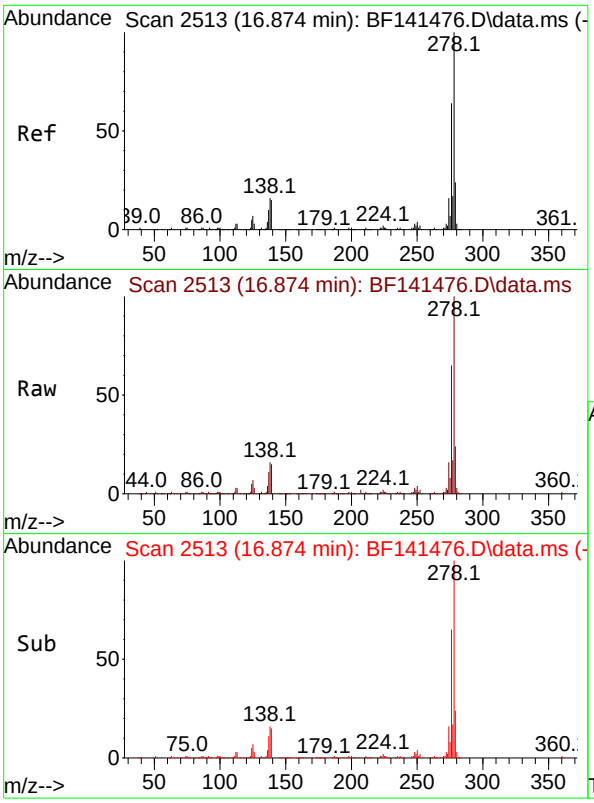


#90
Benzo(a)pyrene
Concen: 39.767 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 395193

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.3	7.4	11.2



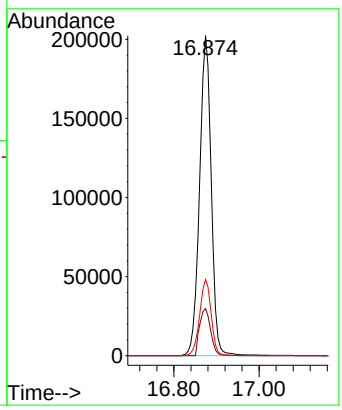


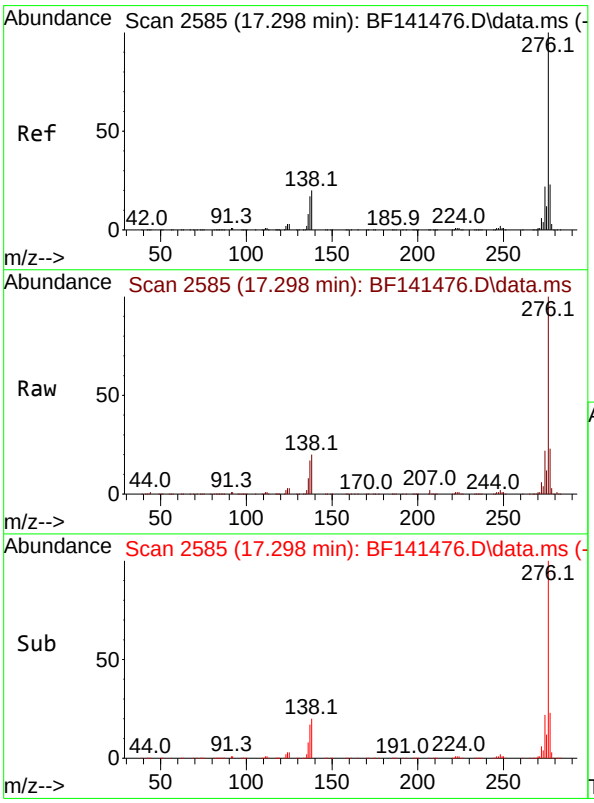
#91
Dibenzo(a,h)anthracene
Concen: 42.001 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 384623

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.8	17.6
279	23.9	19.1	28.7

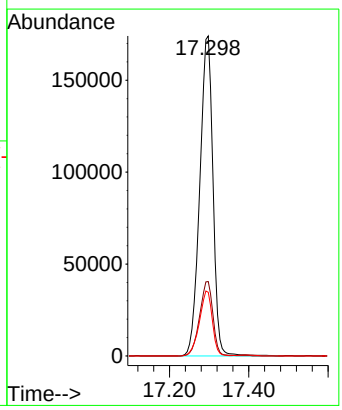




#92
Benzo(g,h,i)perylene
Concen: 41.992 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:276 Resp: 402413

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	19.9	15.9	23.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	87860	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	347298	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	190523	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	323702	20.000	ng	0.00
76) Chrysene-d12	13.963	240	205879	20.000	ng	0.00
86) Perylene-d12	15.415	264	174906	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	559309	99.801	ng	0.00
7) Phenol-d6	6.434	99	702435	99.168	ng	0.00
23) Nitrobenzene-d5	7.357	82	657106	98.686	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	189178	98.845	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1182292	95.605	ng	0.00
79) Terphenyl-d14	12.904	244	1244053	102.010	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	110258	48.882	ng	98
3) Pyridine	3.210	79	275985	51.419	ng	100
4) n-Nitrosodimethylamine	3.169	42	183299	51.575	ng	97
6) Aniline	6.457	93	330719	49.774	ng	86
8) 2-Chlorophenol	6.581	128	300380	49.604	ng	98
9) Benzaldehyde	6.340	77	164133	43.605	ng	99
10) Phenol	6.445	94	364380	49.425	ng	98
11) bis(2-Chloroethyl)ether	6.528	93	274892	49.643	ng	98
12) 1,3-Dichlorobenzene	6.728	146	316493	49.506	ng	98
13) 1,4-Dichlorobenzene	6.810	146	321786	49.264	ng	98
14) 1,2-Dichlorobenzene	6.963	146	296834	48.964	ng	99
15) Benzyl Alcohol	6.934	79	274040	50.451	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	465332	49.091	ng	97
17) 2-Methylphenol	7.051	107	232571	49.081	ng	100
18) Hexachloroethane	7.298	117	122071	50.498	ng	98
19) n-Nitroso-di-n-propyla...	7.210	70	207915	49.072	ng	98
20) 3+4-Methylphenols	7.204	107	295179	49.011	ng	96
22) Acetophenone	7.204	105	419759	48.588	ng	99
24) Nitrobenzene	7.375	77	320155	49.308	ng	100
25) Isophorone	7.616	82	521533	49.123	ng	99
26) 2-Nitrophenol	7.692	139	164623	50.962	ng	96
27) 2,4-Dimethylphenol	7.734	122	189037	50.093	ng	98
28) bis(2-Chloroethoxy)met...	7.822	93	336274	49.430	ng	100
29) 2,4-Dichlorophenol	7.939	162	251518	49.328	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	270897	48.788	ng	99
31) Naphthalene	8.098	128	878692	48.605	ng	100
32) Benzoic acid	7.863	122	202728	51.719	ng	99
33) 4-Chloroaniline	8.151	127	312251	49.471	ng	99
34) Hexachlorobutadiene	8.210	225	163240	48.971	ng	99
35) Caprolactam	8.522	113	76350	49.180	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	280911	49.736	ng	99
37) 2-Methylnaphthalene	8.786	142	572244	48.643	ng	99
38) 1-Methylnaphthalene	8.886	142	553503	48.579	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	266614	48.369	ng	98
41) Hexachlorocyclopentadiene	8.939	237	97674	53.276	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	177503	49.825	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	187902	48.667	ng	96
46) 1,1'-Biphenyl	9.251	154	722373	48.905	ng	100
47) 2-Chloronaphthalene	9.275	162	530577	48.576	ng	100
48) 2-Nitroaniline	9.375	65	181860	49.612	ng	99
49) Acenaphthylene	9.692	152	790730	48.672	ng	99
50) Dimethylphthalate	9.557	163	630673	48.760	ng	99
51) 2,6-Dinitrotoluene	9.616	165	140697	49.760	ng	98
52) Acenaphthene	9.863	154	527828	48.327	ng	100
53) 3-Nitroaniline	9.786	138	152426	50.087	ng	99
54) 2,4-Dinitrophenol	9.892	184	87953	52.339	ng	97
55) Dibenzofuran	10.033	168	777905	48.523	ng	100
56) 4-Nitrophenol	9.957	139	118835	52.603	ng	99
57) 2,4-Dinitrotoluene	10.022	165	185741	49.346	ng	98
58) Fluorene	10.380	166	590000	47.597	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	165559	49.807	ng	98
60) Diethylphthalate	10.251	149	619064	48.647	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	286530	48.048	ng	99
62) 4-Nitroaniline	10.404	138	151765	49.113	ng	99
63) Azobenzene	10.533	77	616638	48.742	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	114725	51.021	ng	97
66) n-Nitrosodiphenylamine	10.492	169	505770	48.810	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	177761	49.135	ng	98
68) Hexachlorobenzene	10.927	284	180930	48.567	ng	98
69) Atrazine	11.022	200	149758	48.175	ng	98
70) Pentachlorophenol	11.122	266	128081	53.769	ng	99
71) Phenanthrene	11.339	178	866517	48.631	ng	100
72) Anthracene	11.392	178	877393	48.984	ng	99
73) Carbazole	11.551	167	781733	48.504	ng	100
74) Di-n-butylphthalate	11.880	149	915782	49.210	ng	100
75) Fluoranthene	12.527	202	913699	48.367	ng	100
77) Benzidine	12.651	184	222606	49.026	ng	99
78) Pyrene	12.757	202	913198	52.106	ng	100
80) Butylbenzylphthalate	13.380	149	310612	51.168	ng	99
81) Benzo(a)anthracene	13.951	228	673785	49.234	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	186802	47.650	ng	98
83) Chrysene	13.986	228	625572	49.505	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	350121	51.138	ng	100
85) Di-n-octyl phthalate	14.563	149	519741	53.213	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	586584	54.277	ng	99
88) Benzo(b)fluoranthene	14.998	252	590149	50.251	ng	99
89) Benzo(k)fluoranthene	15.027	252	469466	46.814	ng	100
90) Benzo(a)pyrene	15.357	252	467288	49.173	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	477285	54.503	ng	99
92) Benzo(g,h,i)perylene	17.304	276	500274	54.592	ng	99

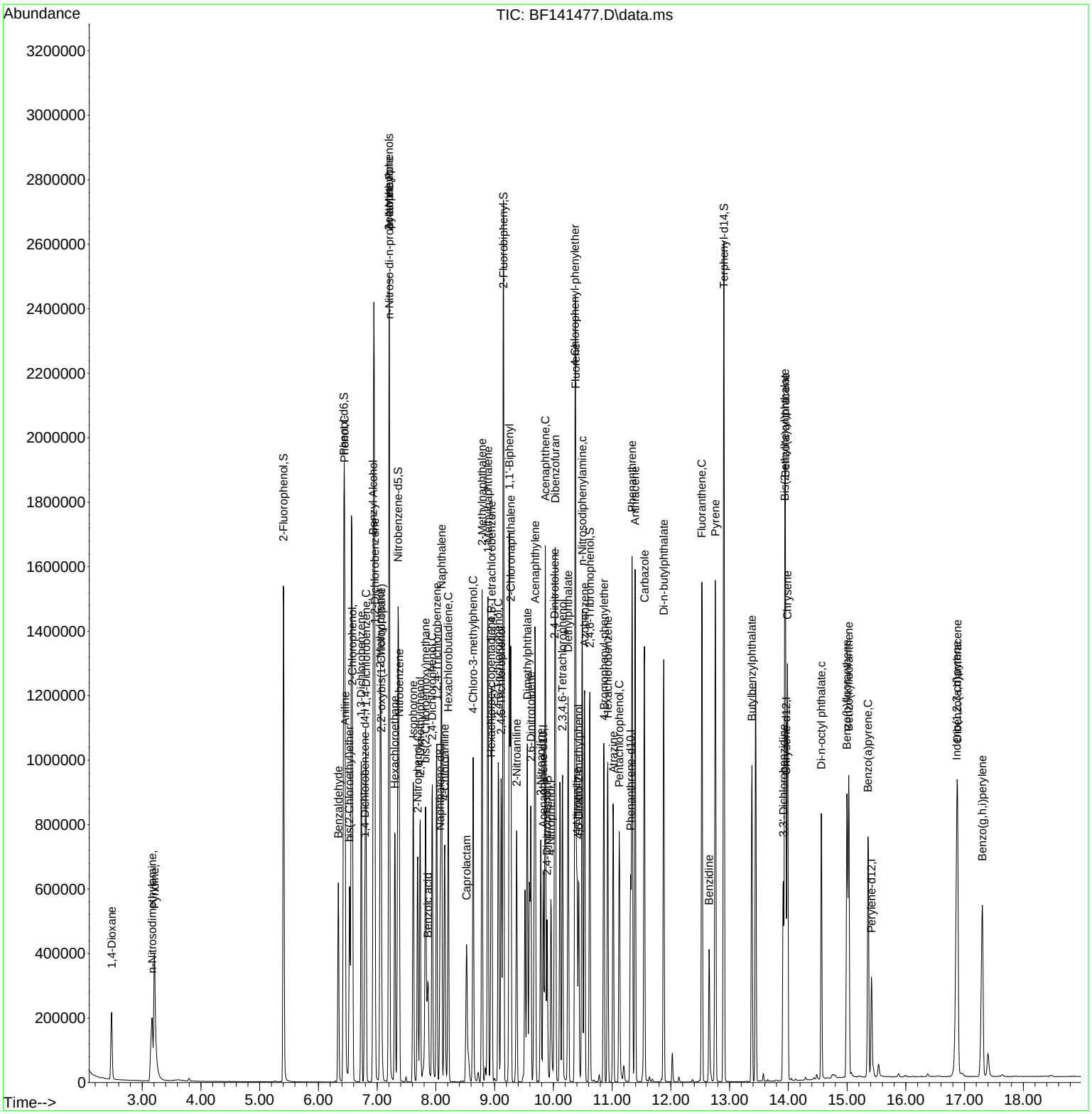
(#) = qualifier out of range (m) = manual integration (+) = signals summed

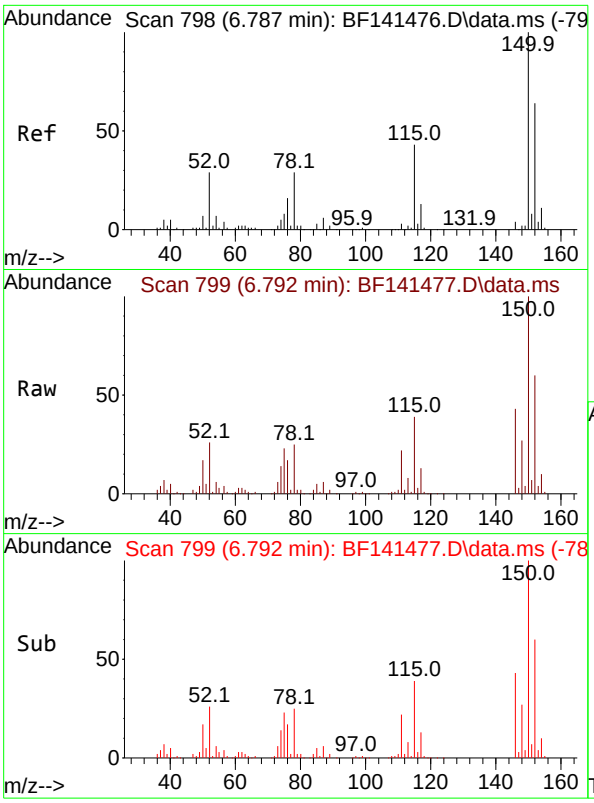
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



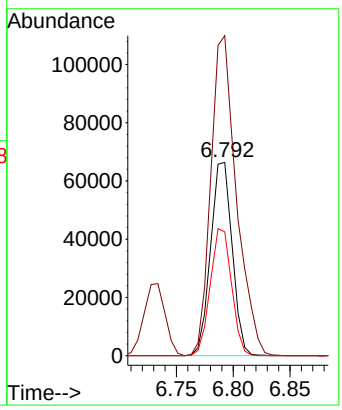


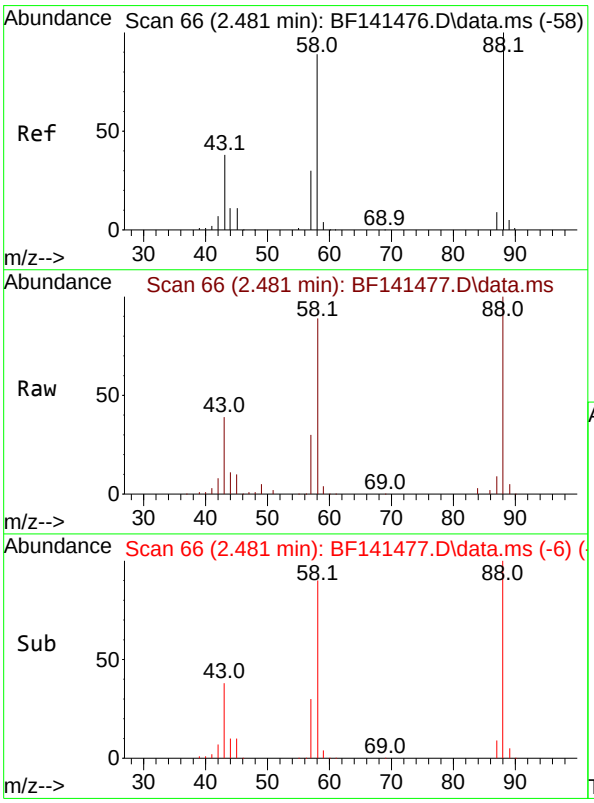
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 87860

Ion	Ratio	Lower	Upper
152	100		
150	165.6	125.0	187.4
115	64.1	53.6	80.4

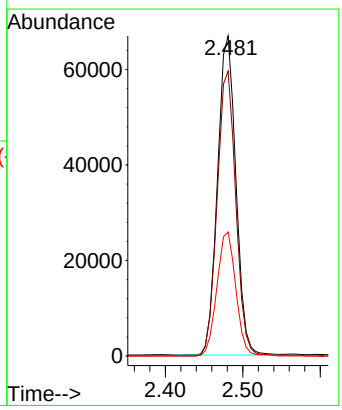


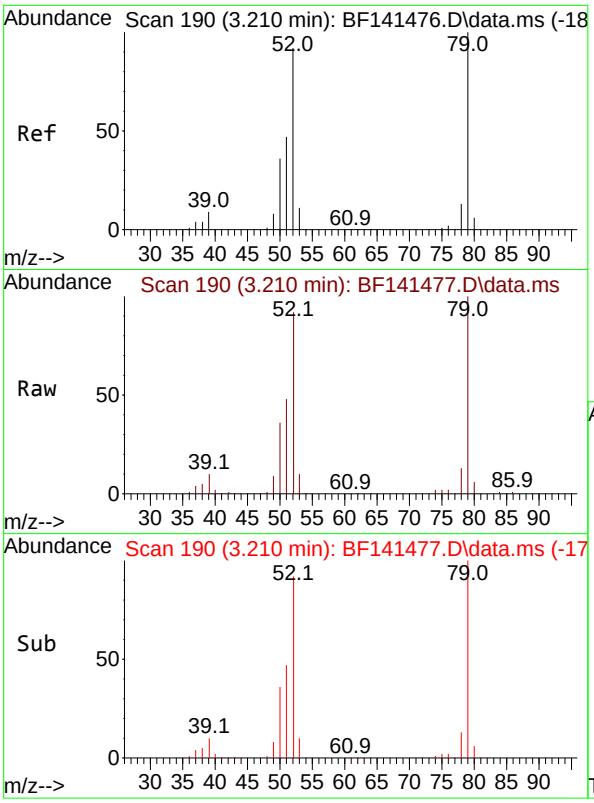


#2
1,4-Dioxane
Concen: 48.882 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 88 Resp: 110258

Ion	Ratio	Lower	Upper
88	100		
58	90.6	71.1	106.7
43	40.1	30.6	46.0



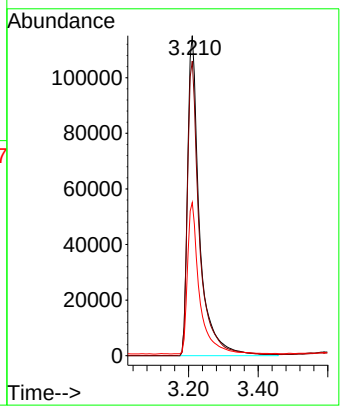


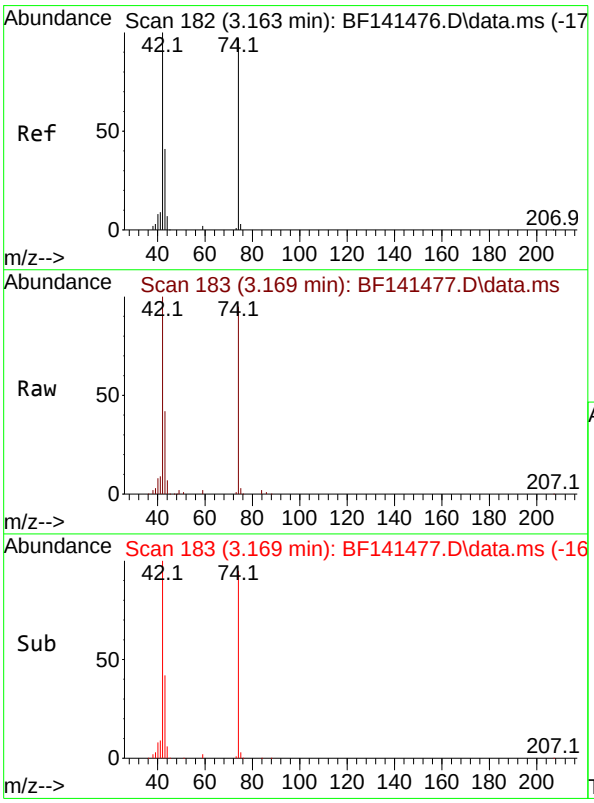
#3
Pyridine
Concen: 51.419 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 275985

Ion	Ratio	Lower	Upper
79	100		
52	92.1	73.7	110.5
51	47.9	37.5	56.3

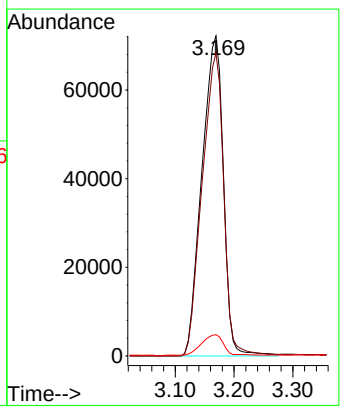


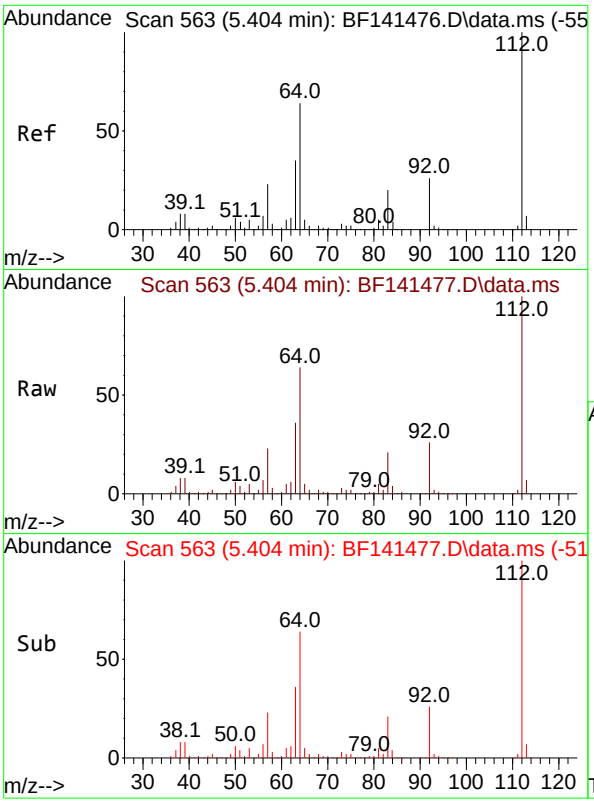


#4
n-Nitrosodimethylamine
Concen: 51.575 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.018 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 42 Resp: 183299

Ion	Ratio	Lower	Upper
42	100		
74	94.6	78.0	117.0
44	6.7	5.4	8.2



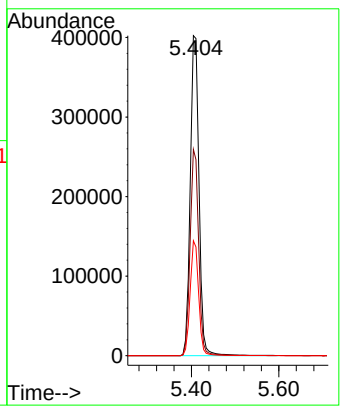


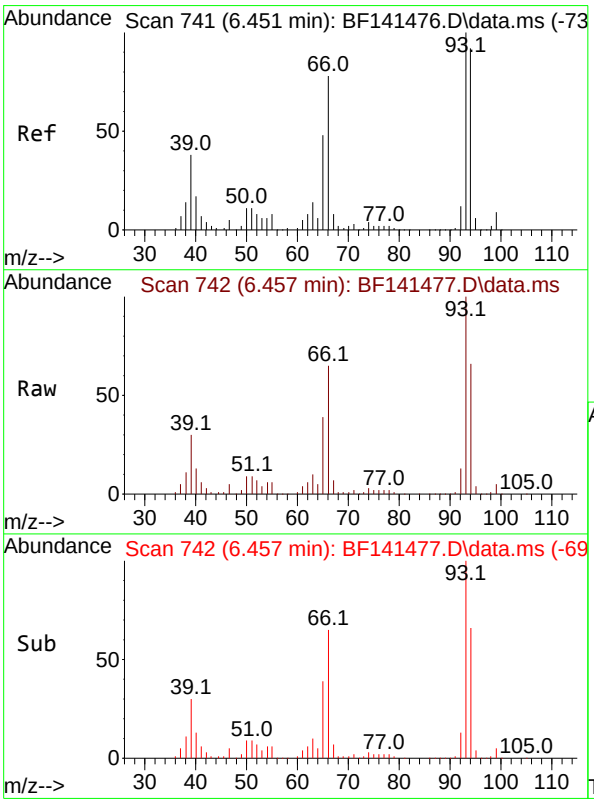
#5
2-Fluorophenol
Concen: 99.801 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 559309

Ion	Ratio	Lower	Upper
112	100		
64	64.4	51.1	76.7
63	35.9	28.4	42.6

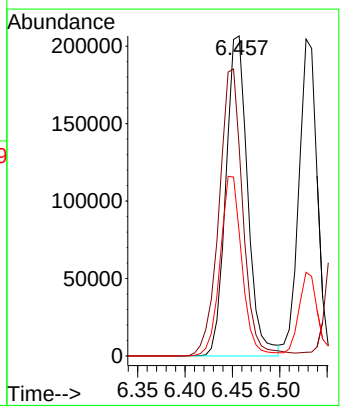


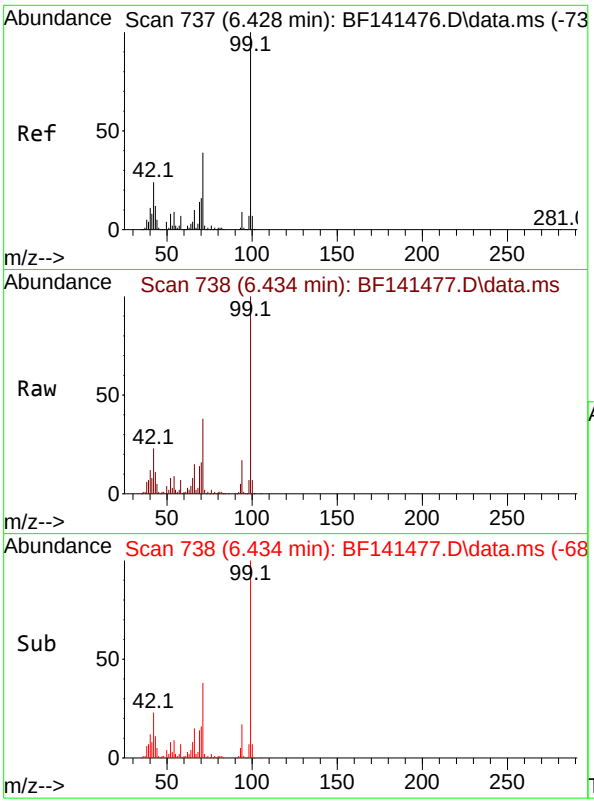


#6
Aniline
Concen: 49.774 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 93 Resp: 330719

Ion	Ratio	Lower	Upper
93	100		
66	65.4	62.6	94.0
65	38.7	38.3	57.5



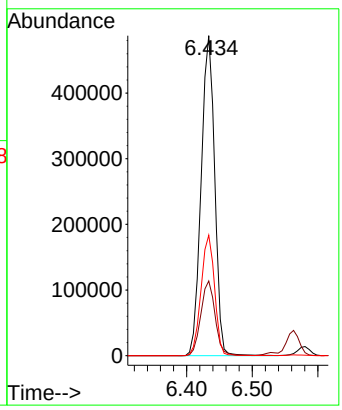


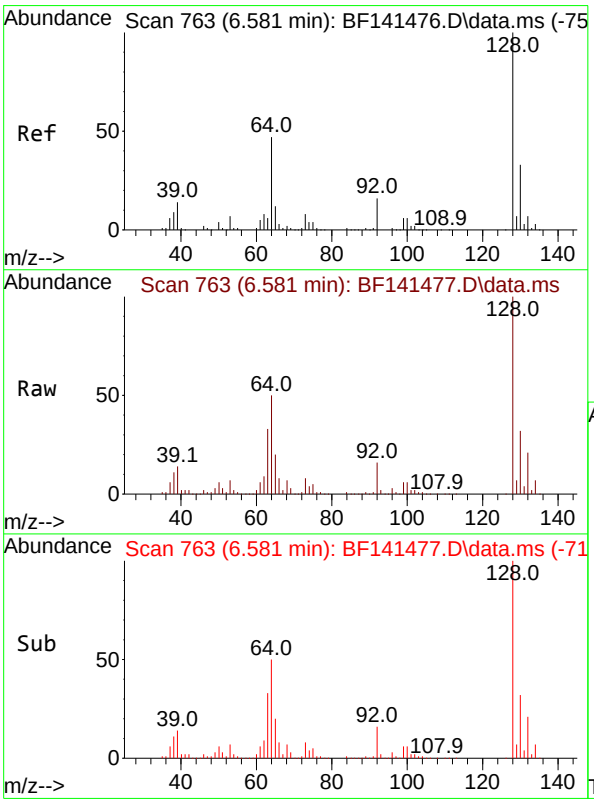
#7
Phenol-d6
Concen: 99.168 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 702435

Ion	Ratio	Lower	Upper
99	100		
42	23.4	19.1	28.7
71	37.6	31.1	46.7

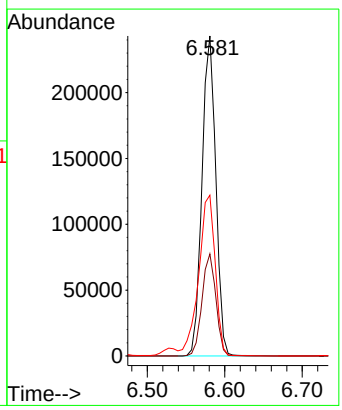


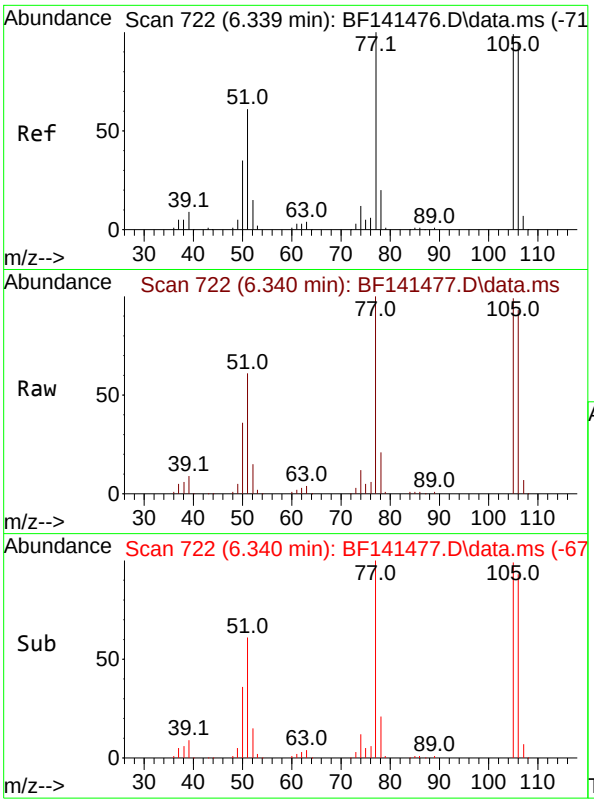


#8
2-Chlorophenol
Concen: 49.604 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:128 Resp: 300380

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.7	52.7
64	50.3	28.3	68.3



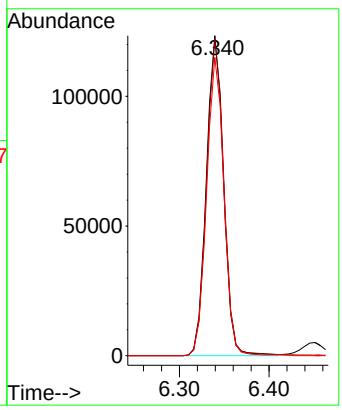


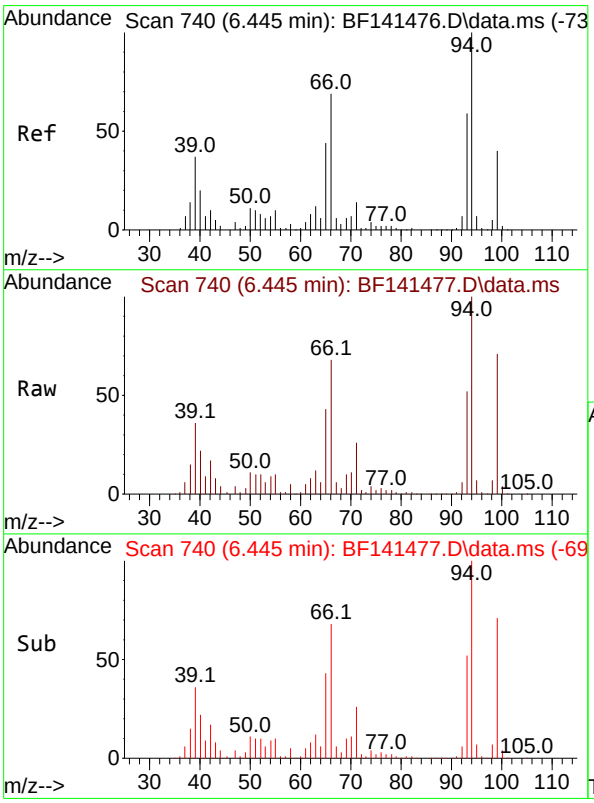
#9
Benzaldehyde
Concen: 43.605 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 164133

Ion	Ratio	Lower	Upper
77	100		
105	98.9	79.4	119.4
106	93.2	75.1	115.1

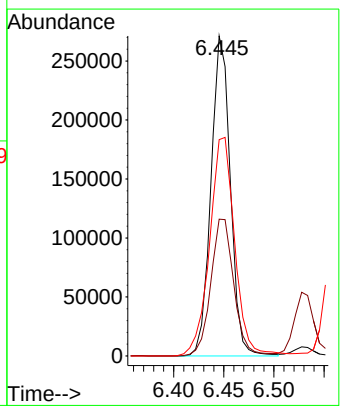


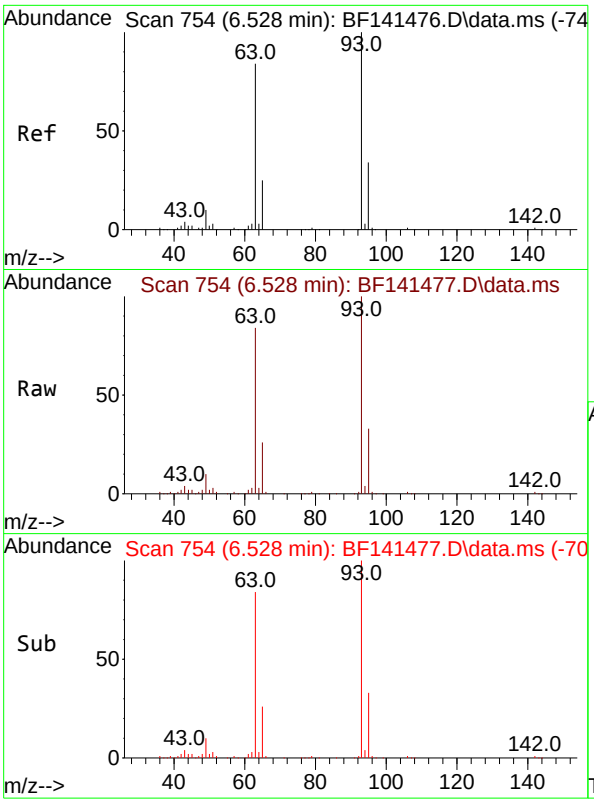


#10
Phenol
Concen: 49.425 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 94 Resp: 364380

Ion	Ratio	Lower	Upper
94	100		
65	42.8	23.7	63.7
66	67.6	49.3	89.3



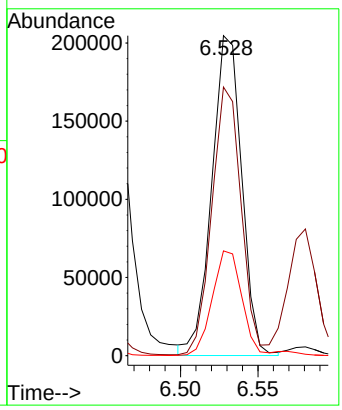


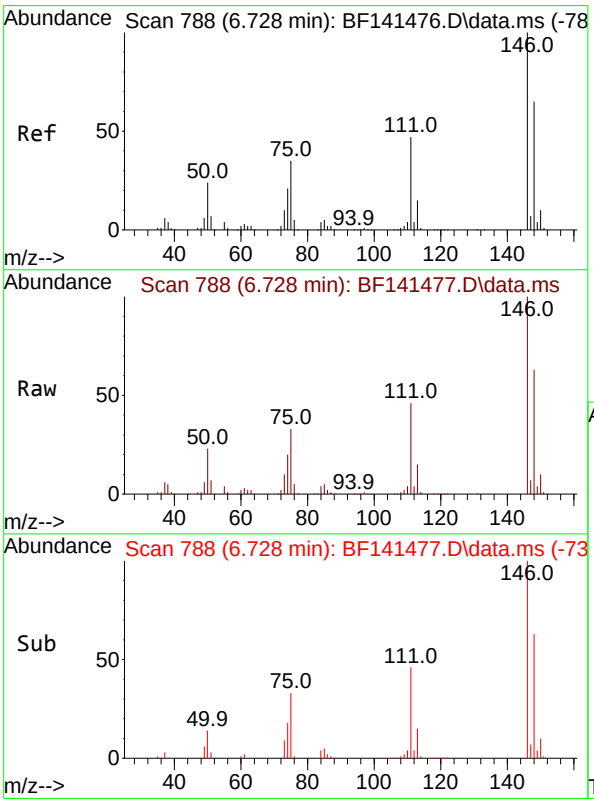
#11
bis(2-Chloroethyl)ether
Concen: 49.643 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 274892

Ion	Ratio	Lower	Upper
93	100		
63	83.9	62.0	102.0
95	32.8	12.6	52.6

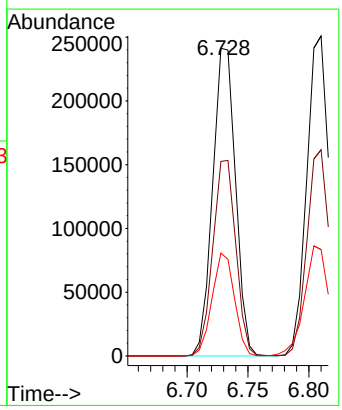


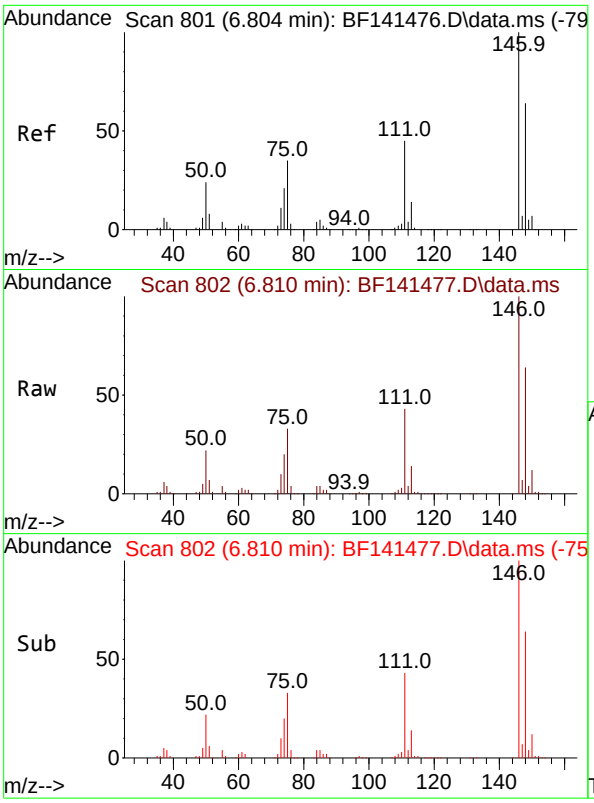


#12
1,3-Dichlorobenzene
Concen: 49.506 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:146 Resp: 316493

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.9	77.9
75	33.4	28.2	42.2



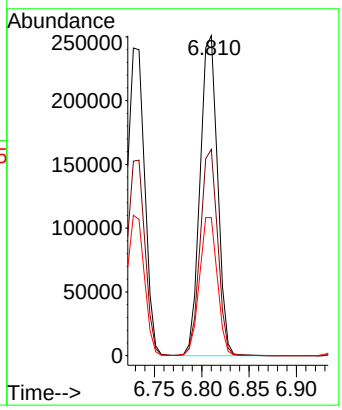


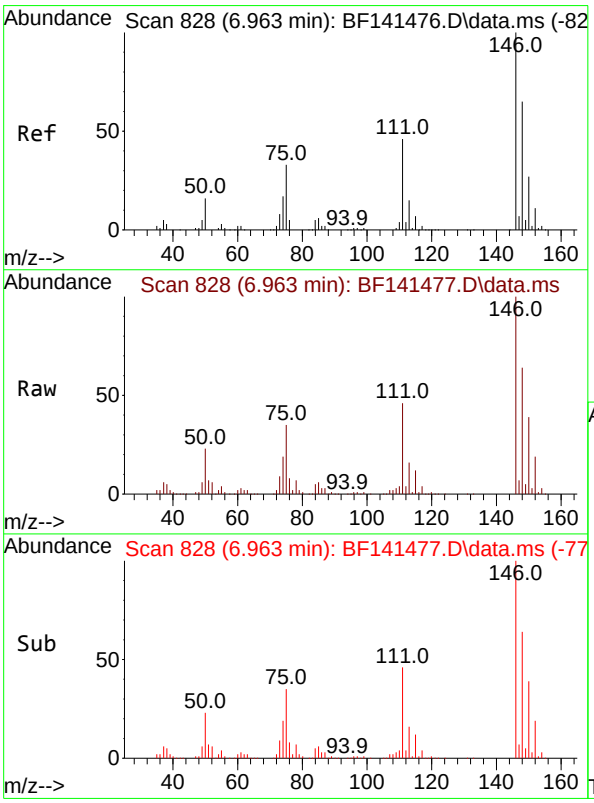
#13
1,4-Dichlorobenzene
Concen: 49.264 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 321786

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.9	76.3
111	43.1	35.9	53.9

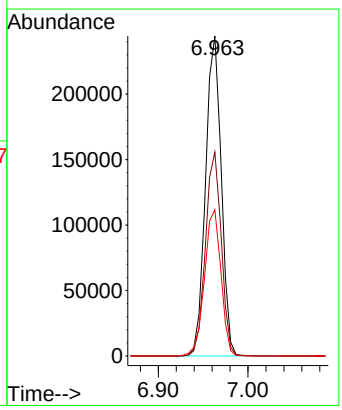


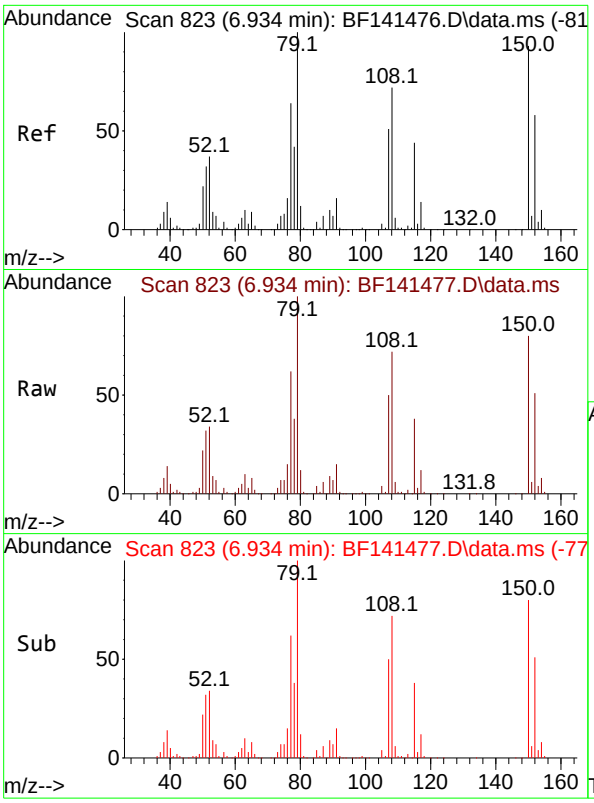


#14
1,2-Dichlorobenzene
Concen: 48.964 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:146 Resp: 296834

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
111	45.7	37.0	55.4



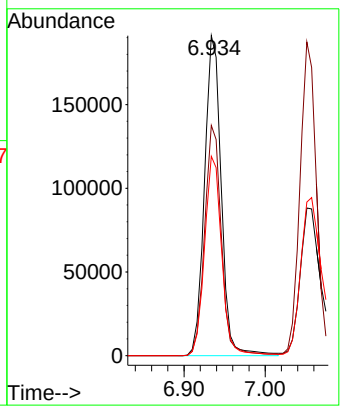


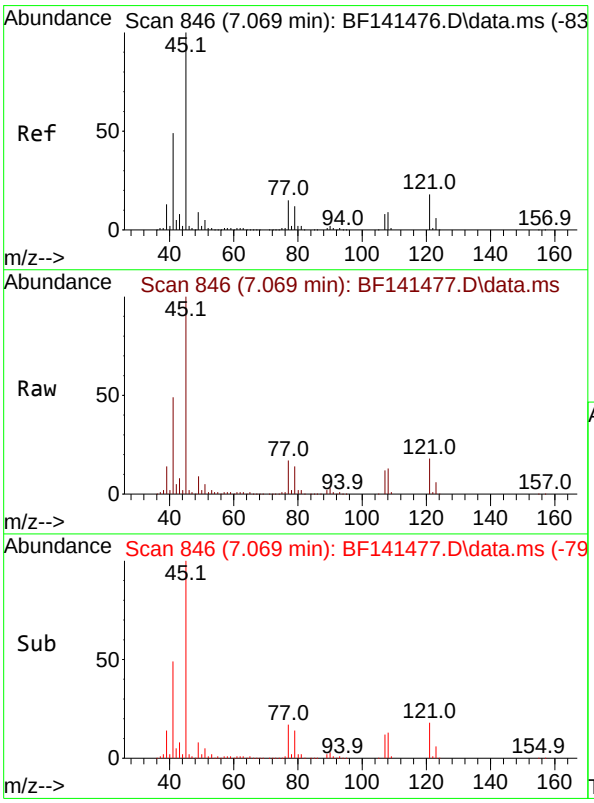
#15
Benzyl Alcohol
Concen: 50.451 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 274040

Ion	Ratio	Lower	Upper
79	100		
108	71.9	57.4	86.2
77	62.3	50.9	76.3

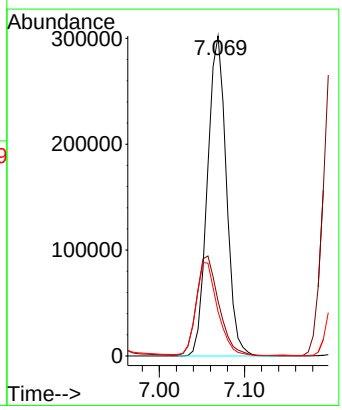


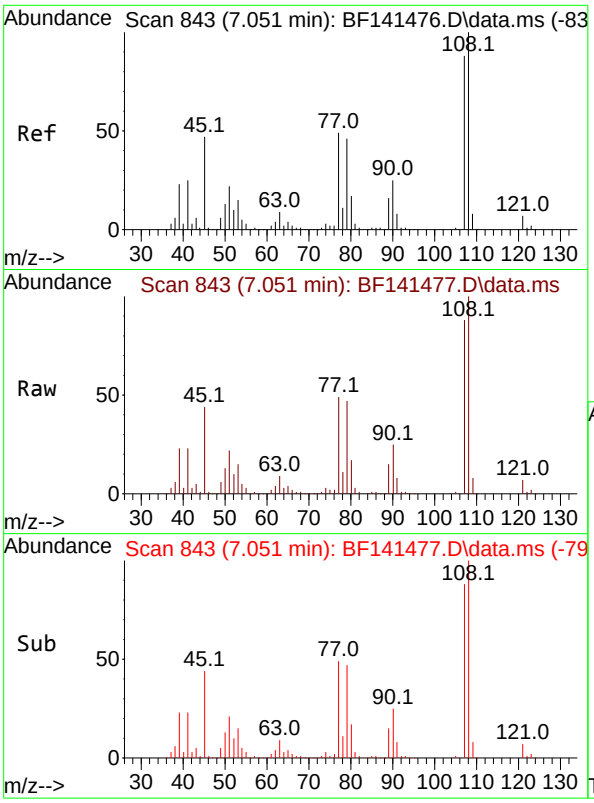


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.091 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 45 Resp: 465332

Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	35.8
79	13.9	0.0	32.7



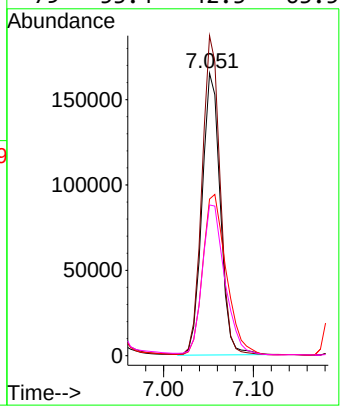


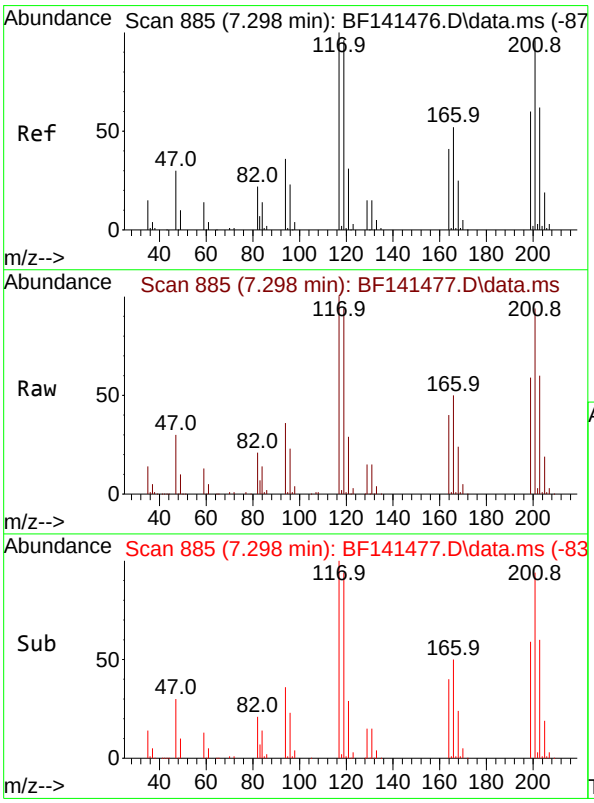
#17
2-Methylphenol
Concen: 49.081 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 232571

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.4	44.4	66.6
79	53.4	42.3	63.5

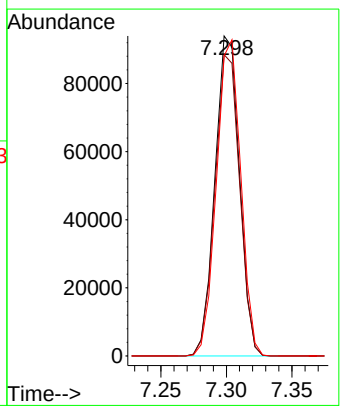


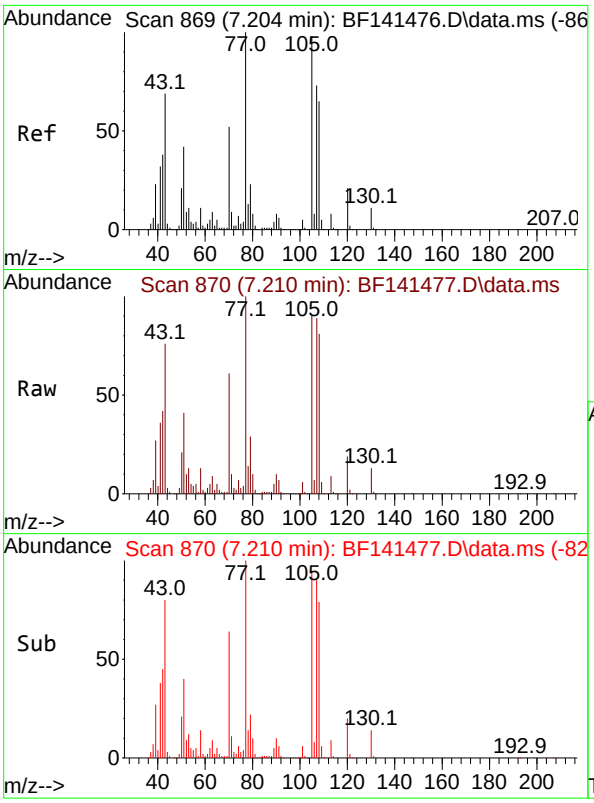


#18
Hexachloroethane
Concen: 50.498 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:117 Resp: 122071

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.5	114.7
201	93.8	76.7	115.1



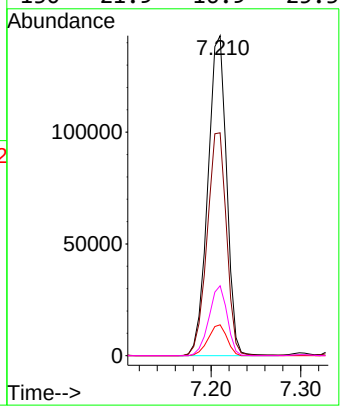


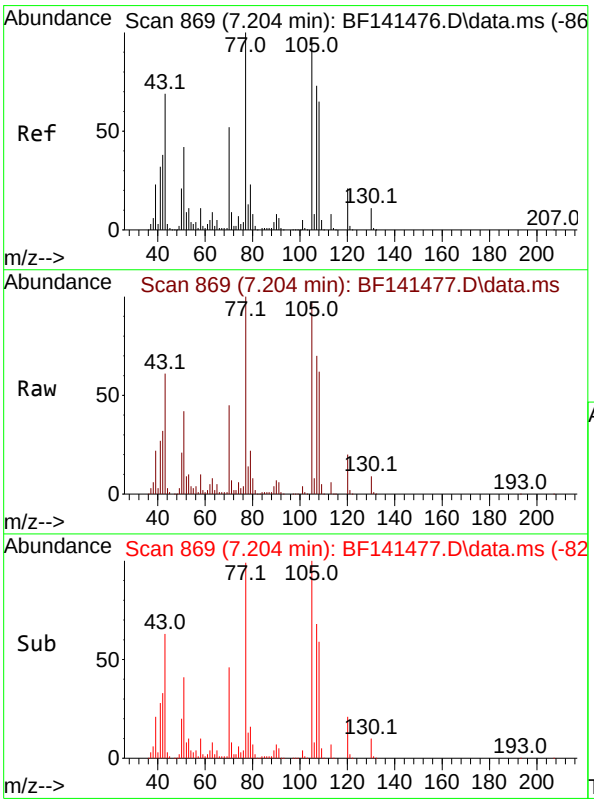
#19
n-Nitroso-di-n-propylamine
Concen: 49.072 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 207915

Ion	Ratio	Lower	Upper
70	100		
42	69.6	57.4	86.2
101	9.6	8.0	12.0
130	21.9	16.9	25.3

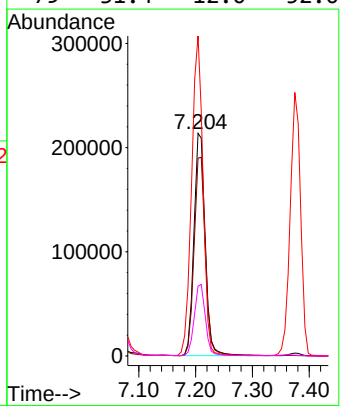


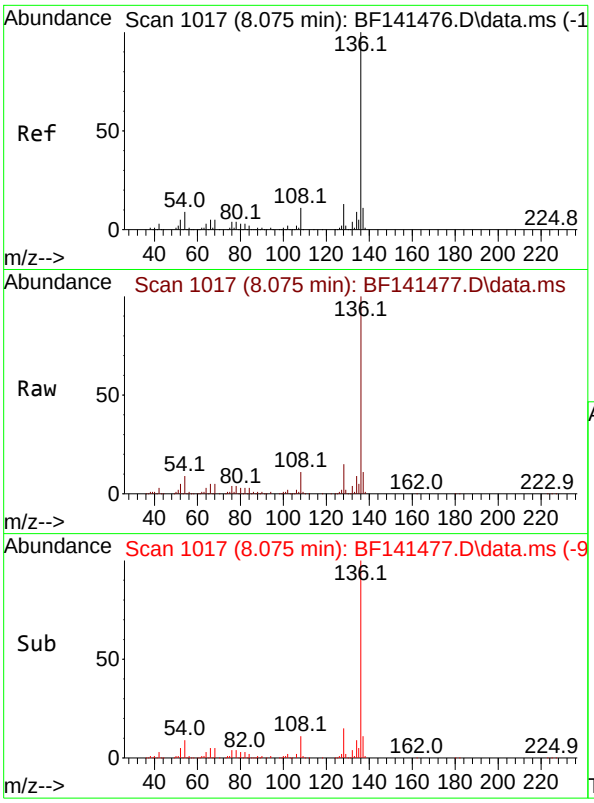


#20
3+4-Methylphenols
Concen: 49.011 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:107 Resp: 295179

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	143.8	116.5	156.5
79	31.4	12.0	52.0



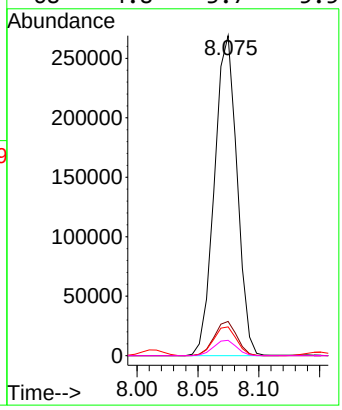


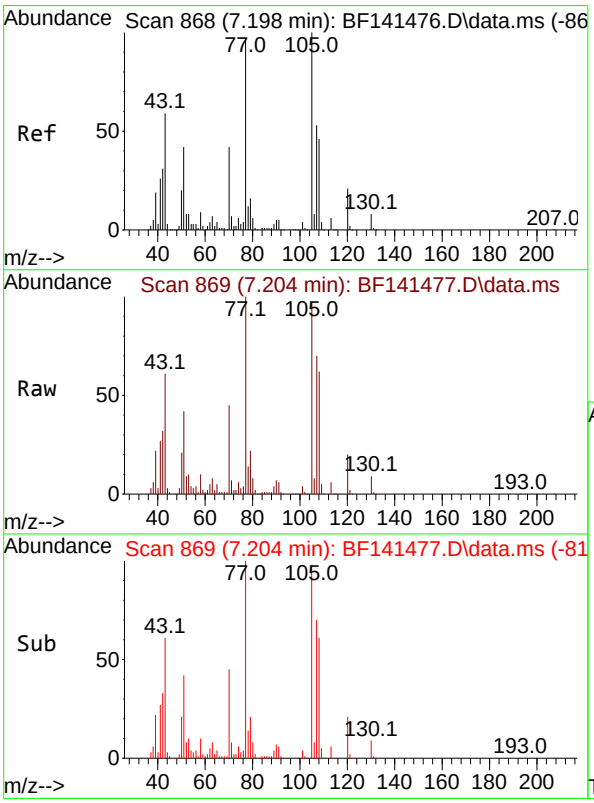
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 347298

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	7.2	10.8
68	4.8	3.7	5.5

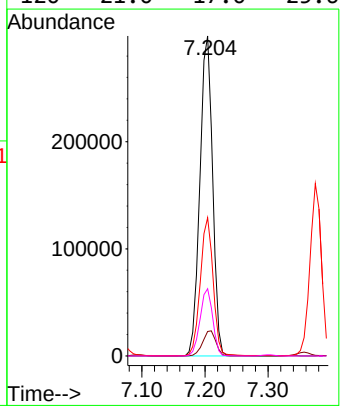


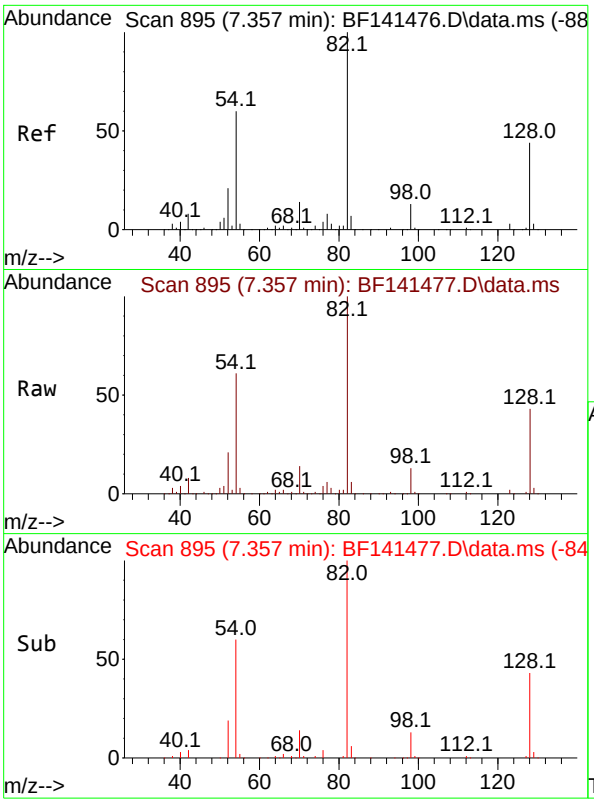


#22
Acetophenone
Concen: 48.588 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:105 Resp: 419759

Ion	Ratio	Lower	Upper
105	100		
71	7.7	5.7	8.5
51	43.2	33.7	50.5
120	21.0	17.0	25.6



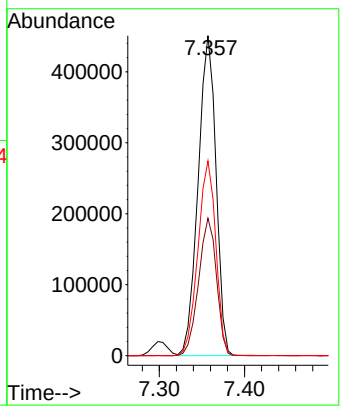


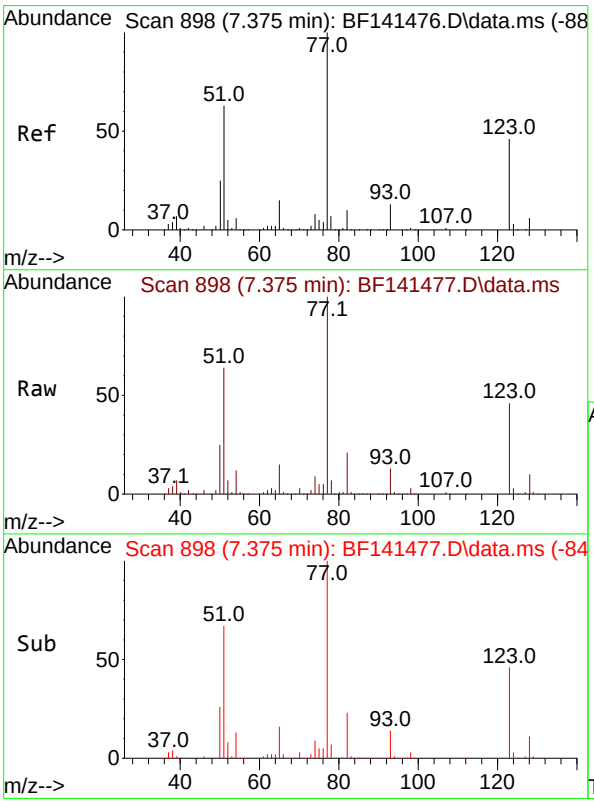
#23
Nitrobenzene-d5
Concen: 98.686 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 657106

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	60.9	48.2	72.4

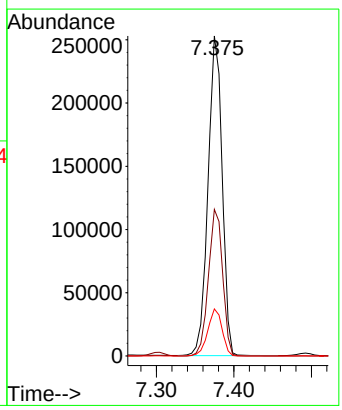


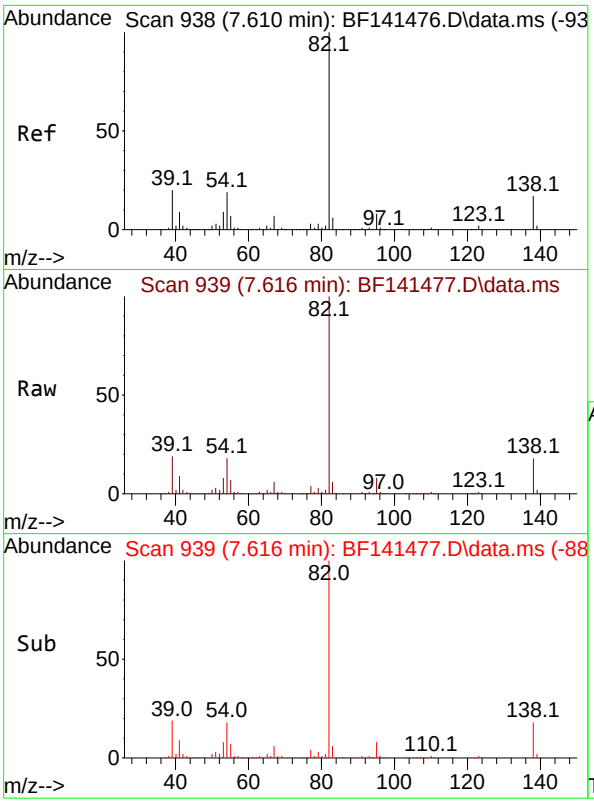


#24
Nitrobenzene
Concen: 49.308 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 77 Resp: 320155

Ion	Ratio	Lower	Upper
77	100		
123	45.8	36.9	55.3
65	14.7	11.9	17.9



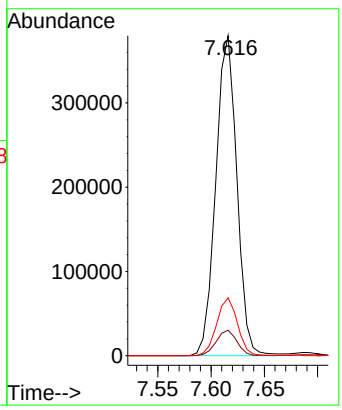


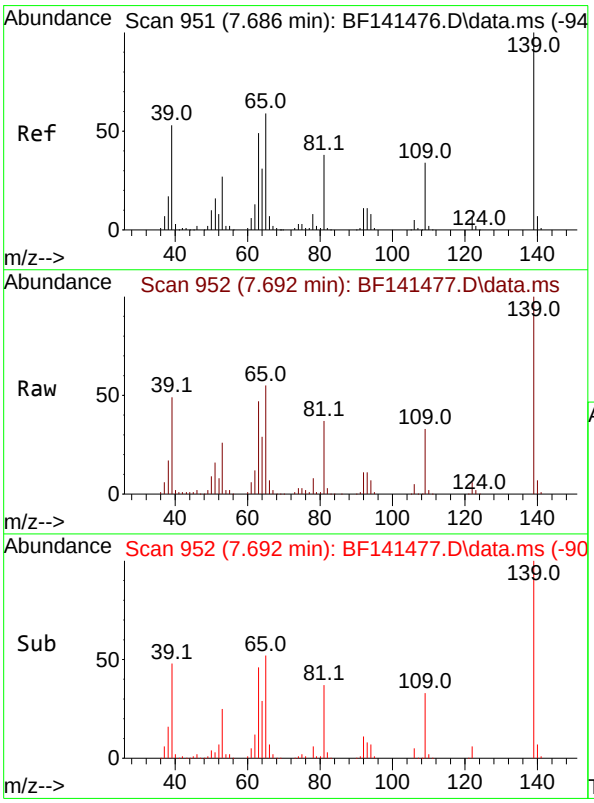
#25
Isophorone
Concen: 49.123 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 521533

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.1	13.9	20.9

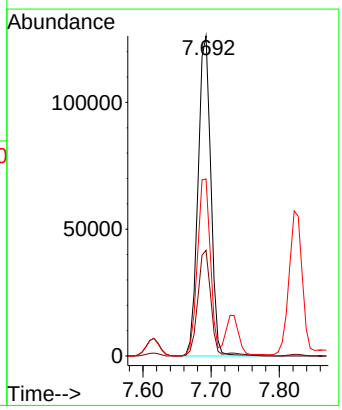


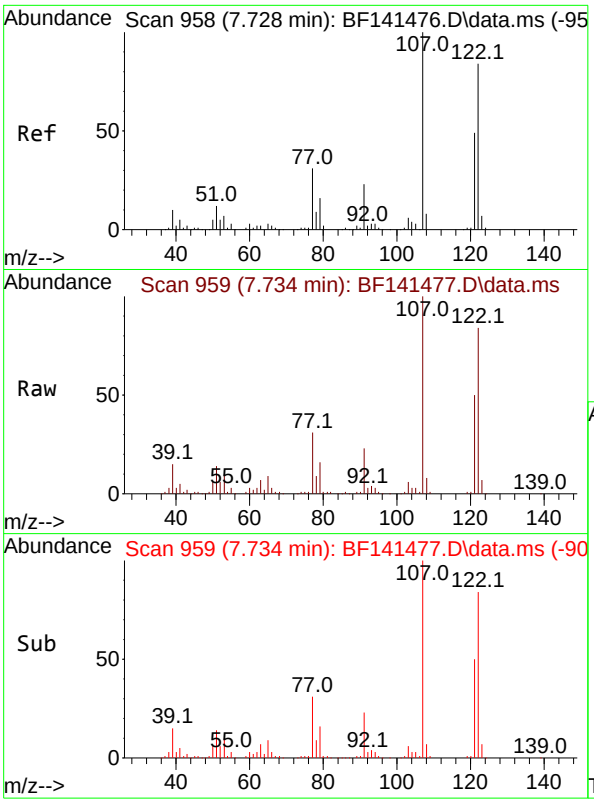


#26
2-Nitrophenol
Concen: 50.962 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:139 Resp: 164623

Ion	Ratio	Lower	Upper
139	100		
109	33.0	27.0	40.6
65	55.3	47.1	70.7



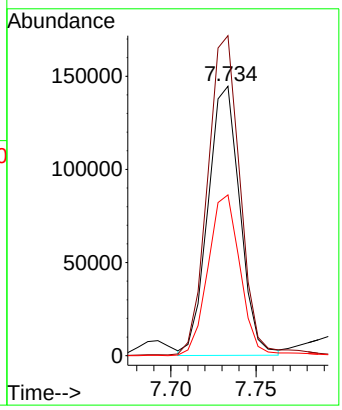


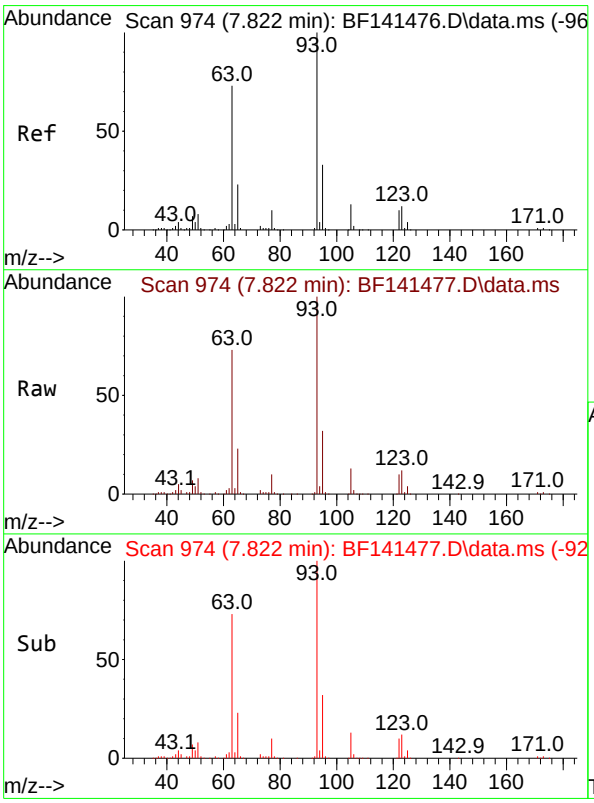
#27
2,4-Dimethylphenol
Concen: 50.093 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 189037

Ion	Ratio	Lower	Upper
122	100		
107	118.8	94.3	141.5
121	59.7	46.0	69.0

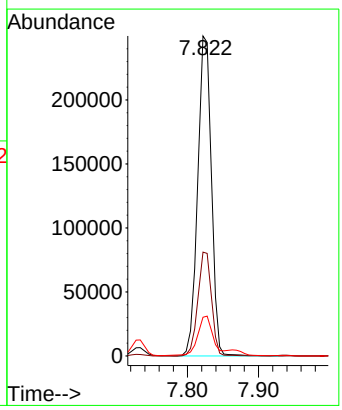


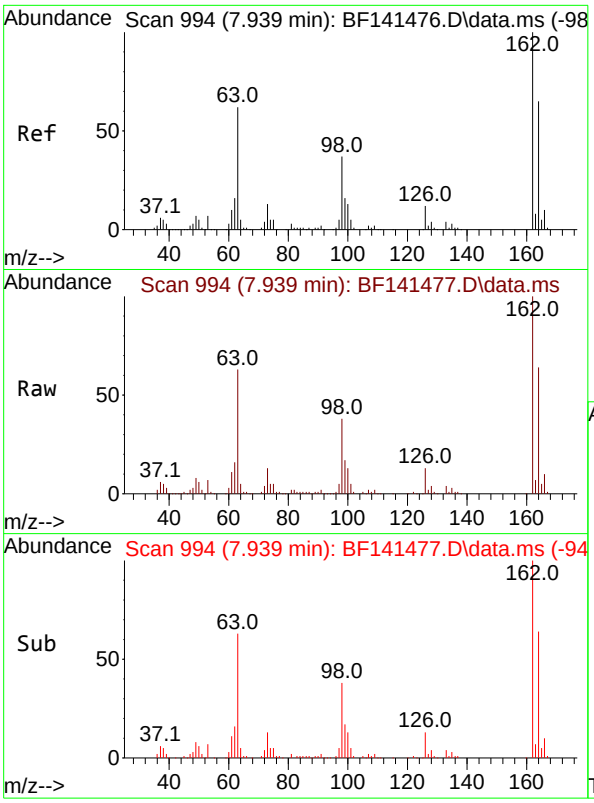


#28
bis(2-Chloroethoxy)methane
Concen: 49.430 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 93 Resp: 336274

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	12.1	9.5	14.3



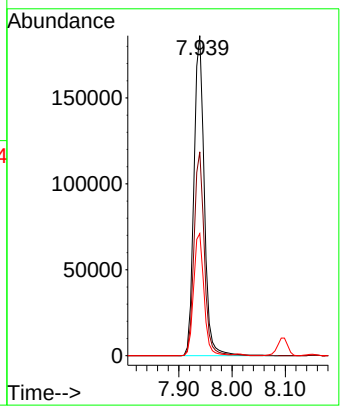


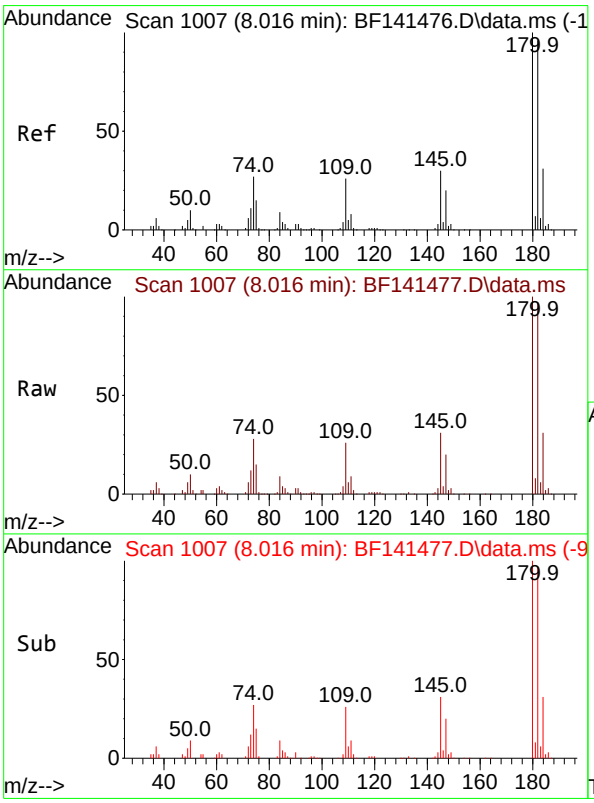
#29
2,4-Dichlorophenol
Concen: 49.328 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 251518

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.6	84.6
98	38.1	17.2	57.2

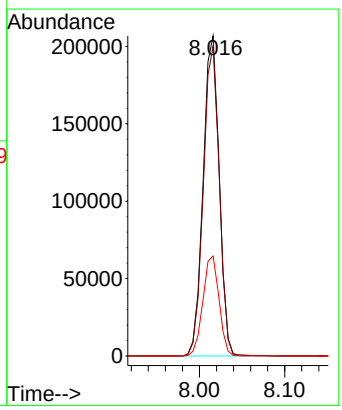


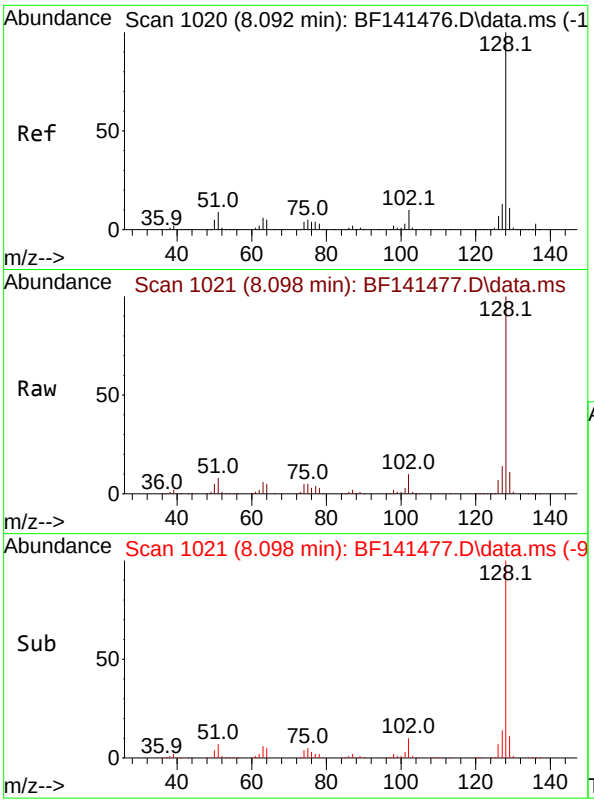


#30
1,2,4-Trichlorobenzene
Concen: 48.788 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:180 Resp: 270897

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.8	115.2
145	31.3	24.2	36.4



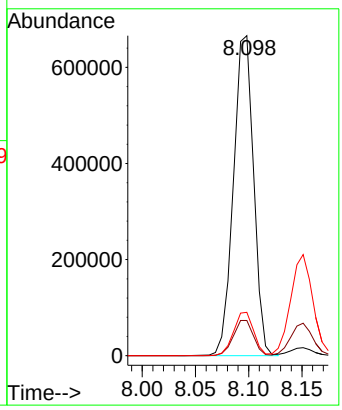


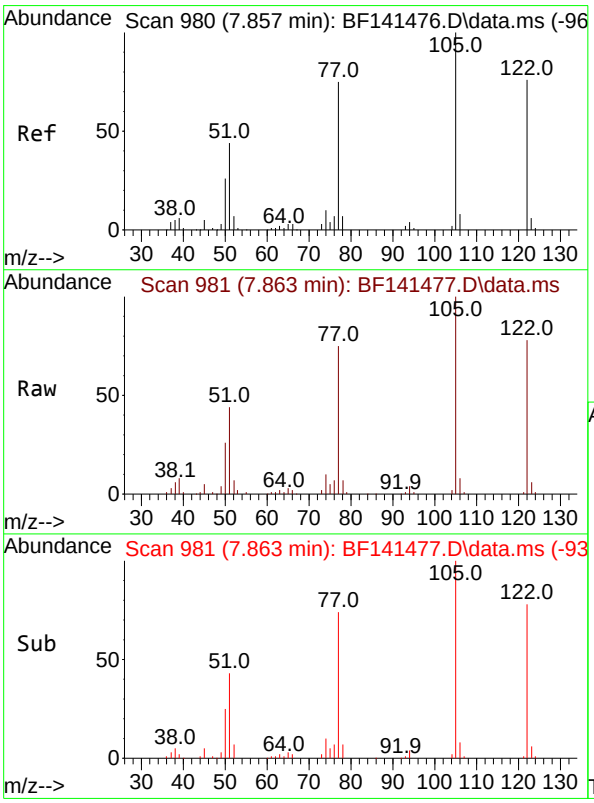
#31
Naphthalene
Concen: 48.605 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 878692

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.6	10.7	16.1

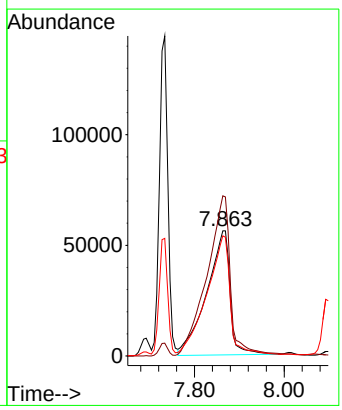


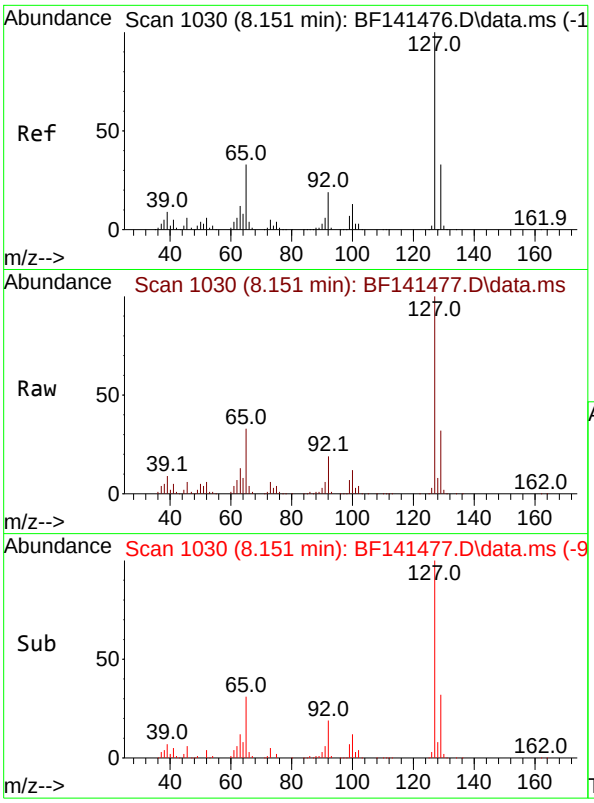


#32
Benzoic acid
Concen: 51.719 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:122 Resp: 202728

Ion	Ratio	Lower	Upper
122	100		
105	128.0	106.5	146.5
77	96.0	76.3	116.3



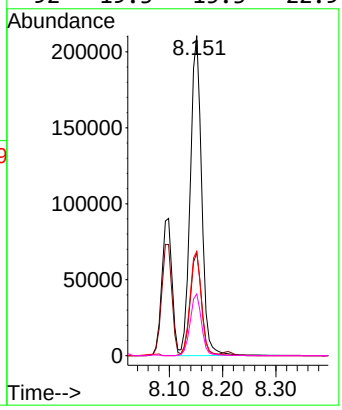


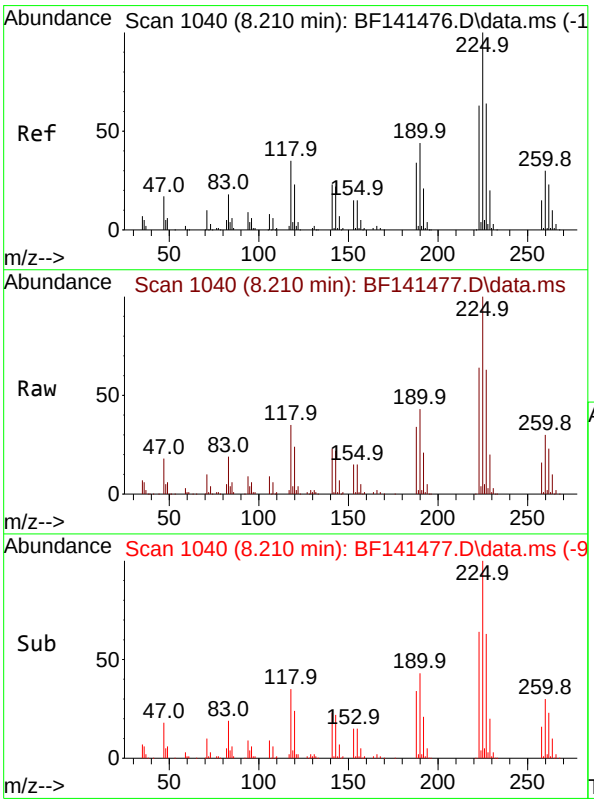
#33
4-Chloroaniline
Concen: 49.471 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 312251

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.5	39.7
65	32.6	26.4	39.6
92	19.3	15.3	22.9

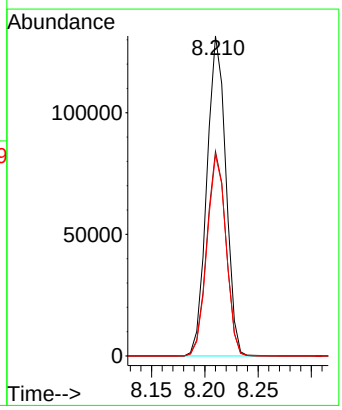


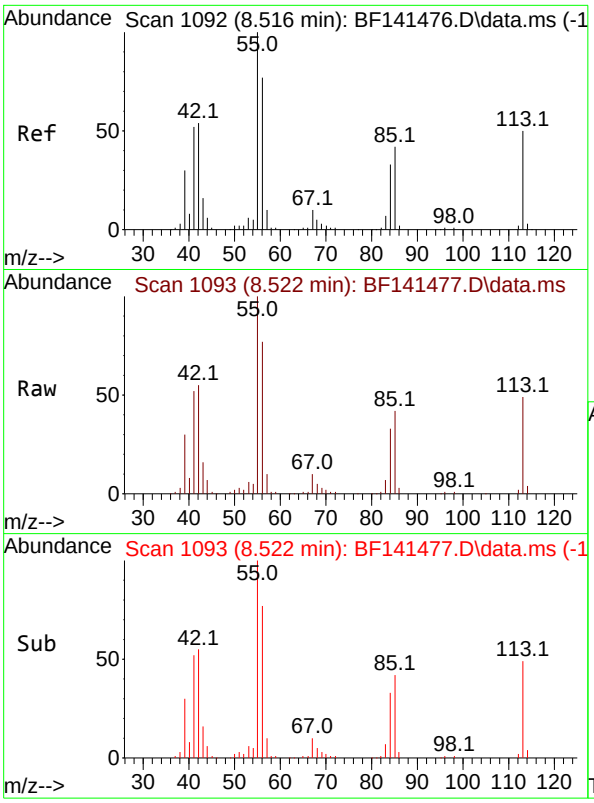


#34
Hexachlorobutadiene
Concen: 48.971 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:225 Resp: 163240

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.1	75.1
227	62.8	51.0	76.6



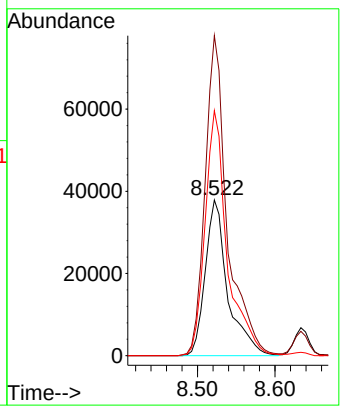


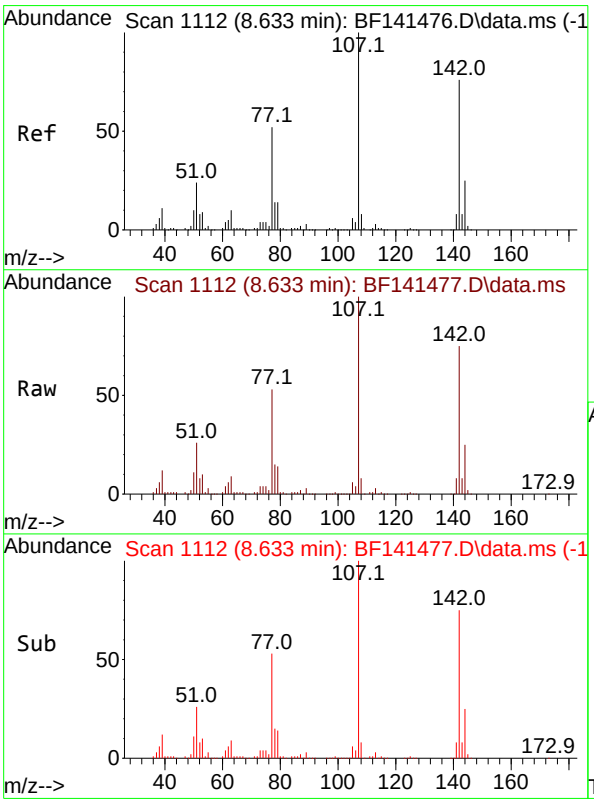
#35
Caprolactam
Concen: 49.180 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 76350

Ion	Ratio	Lower	Upper
113	100		
55	205.6	180.8	220.8
56	157.4	133.6	173.6

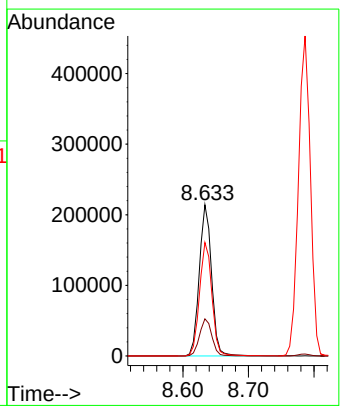


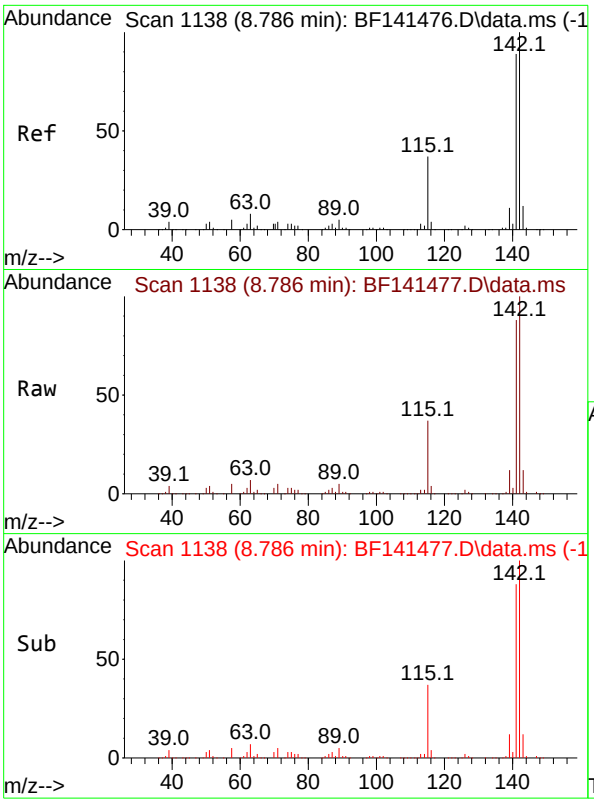


#36
4-Chloro-3-methylphenol
Concen: 49.736 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:107 Resp: 280911

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.7	29.5
142	75.0	60.8	91.2



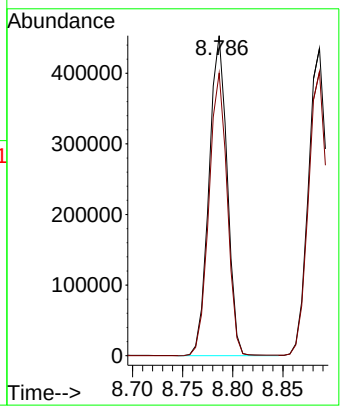


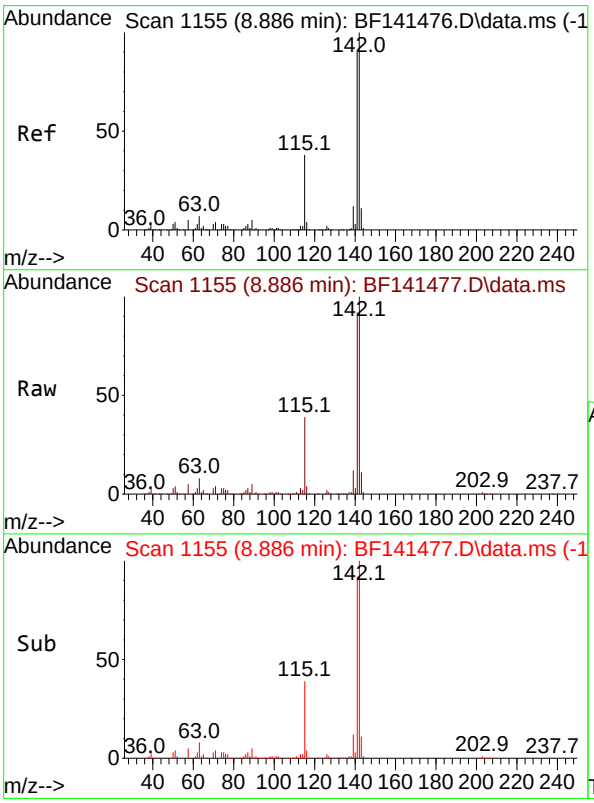
#37
2-Methylnaphthalene
Concen: 48.643 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 572244

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.2	106.8

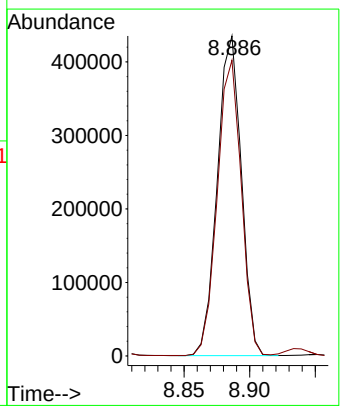


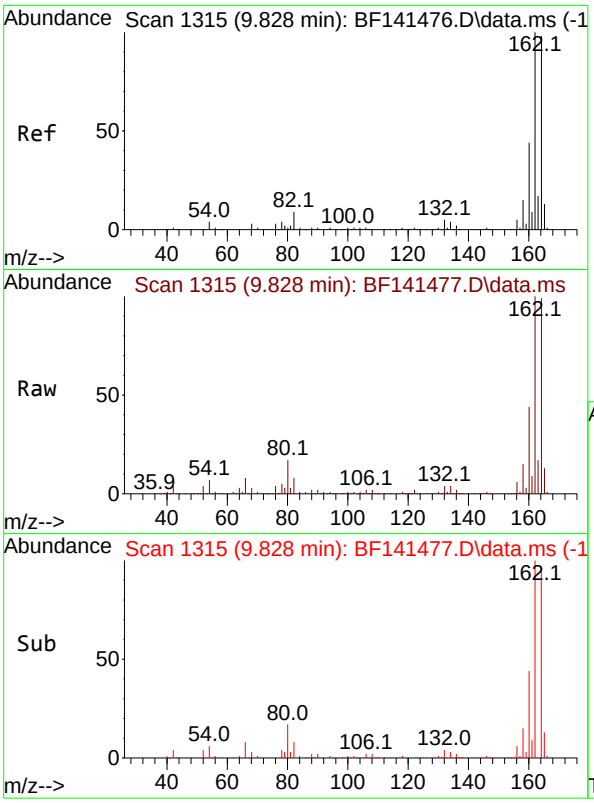


#38
1-Methylnaphthalene
Concen: 48.579 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:142 Resp: 553503

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.1	108.1



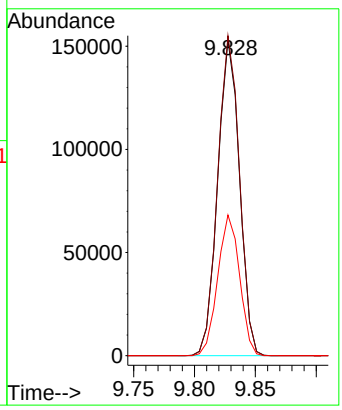


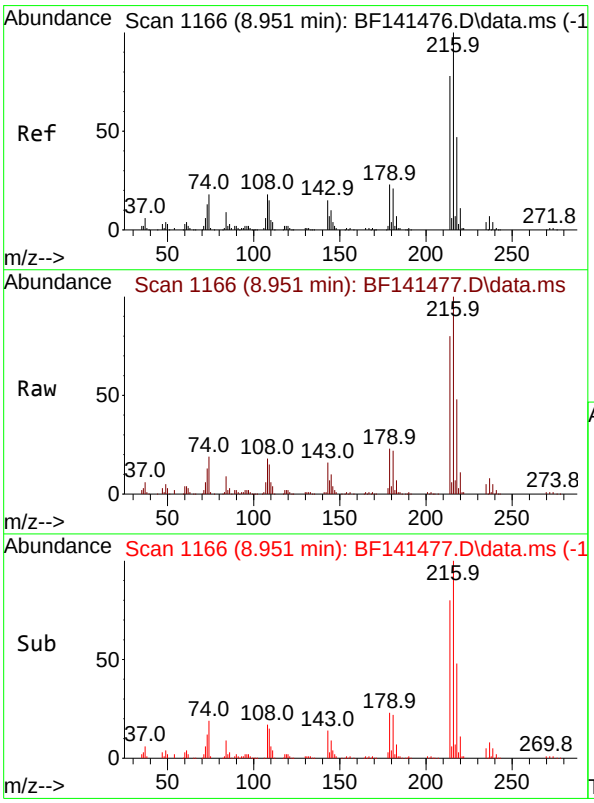
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 190523

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	44.6	35.9	53.9

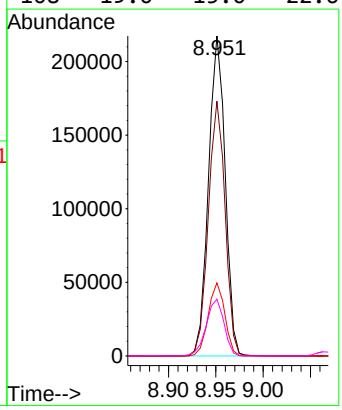


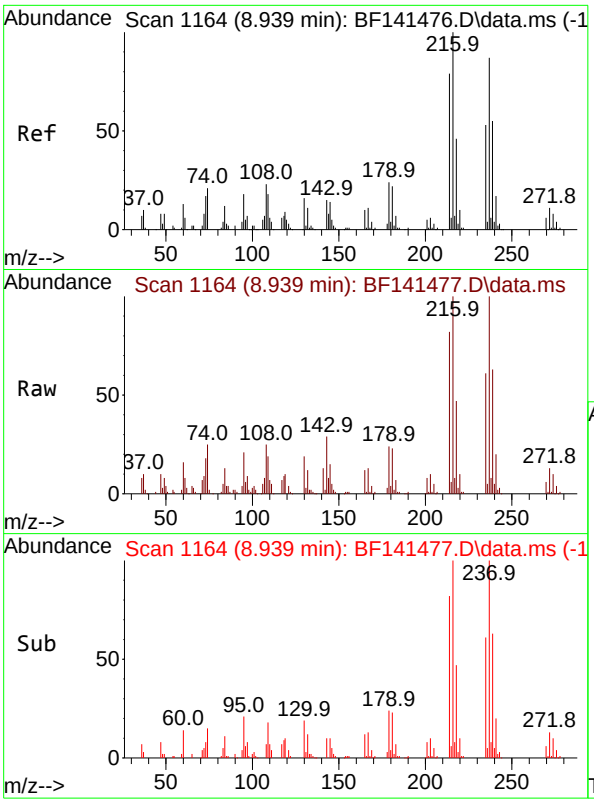


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.369 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:216 Resp: 266614

Ion	Ratio	Lower	Upper
216	100		
214	80.0	62.3	93.5
179	22.7	18.0	27.0
108	19.0	15.0	22.6



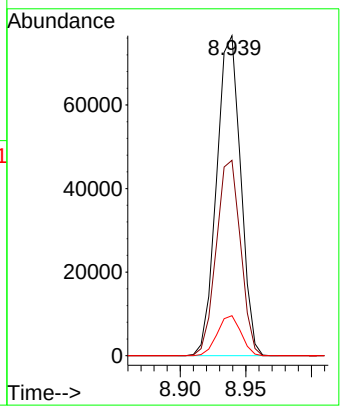


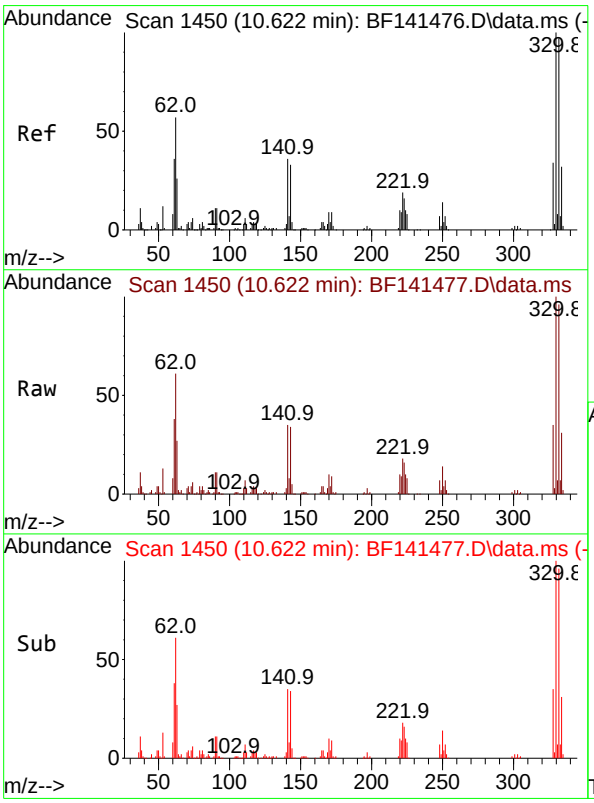
#41
Hexachlorocyclopentadiene
Concen: 53.276 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 97674

Ion	Ratio	Lower	Upper
237	100		
235	61.1	41.4	81.4
272	12.5	0.0	32.4

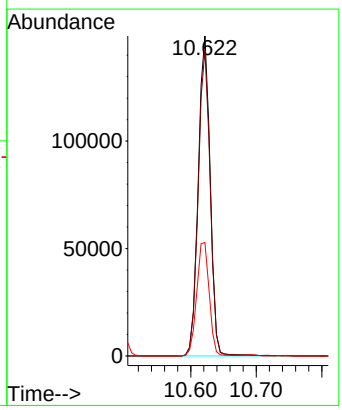


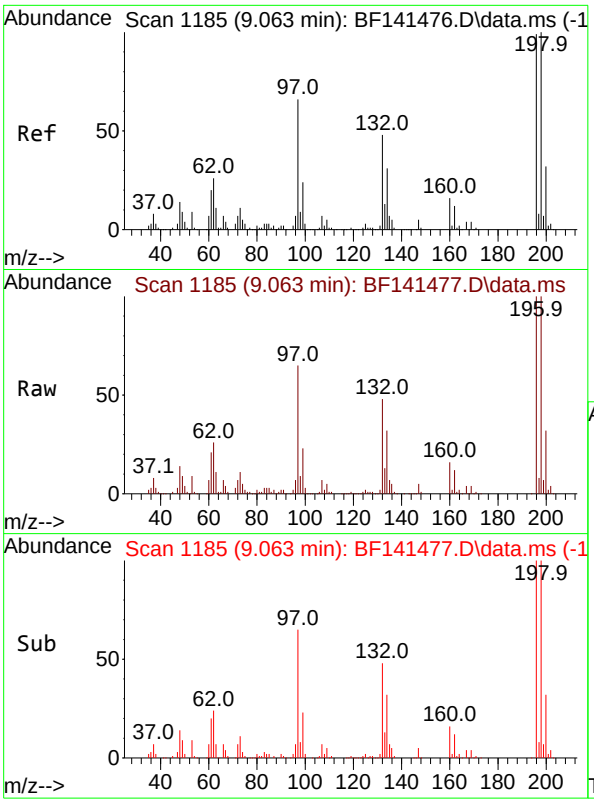


#42
2,4,6-Tribromophenol
Concen: 98.845 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:330 Resp: 189178

Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.5	117.7
141	37.2	31.0	46.4



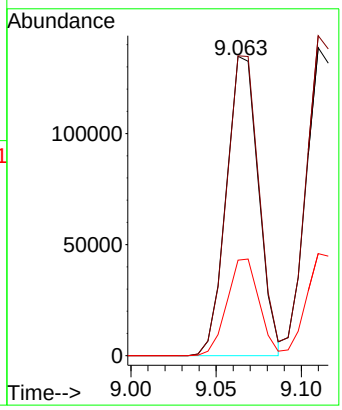


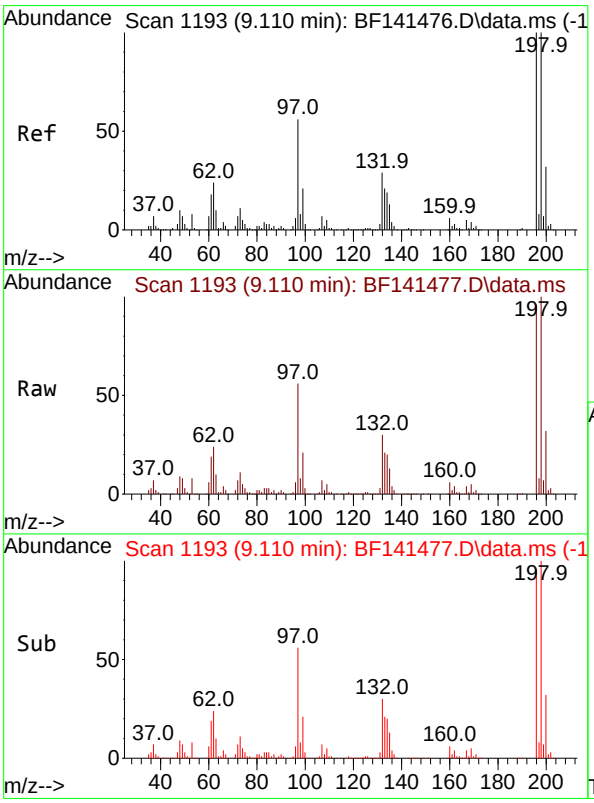
#43
2,4,6-Trichlorophenol
Concen: 49.825 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 177503

Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.6	121.0
200	31.9	25.5	38.3

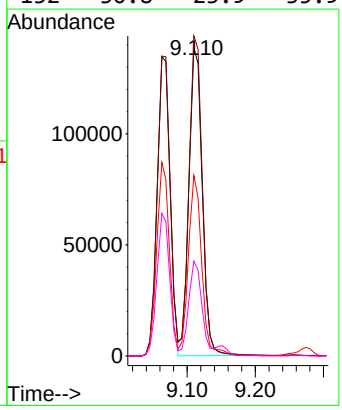


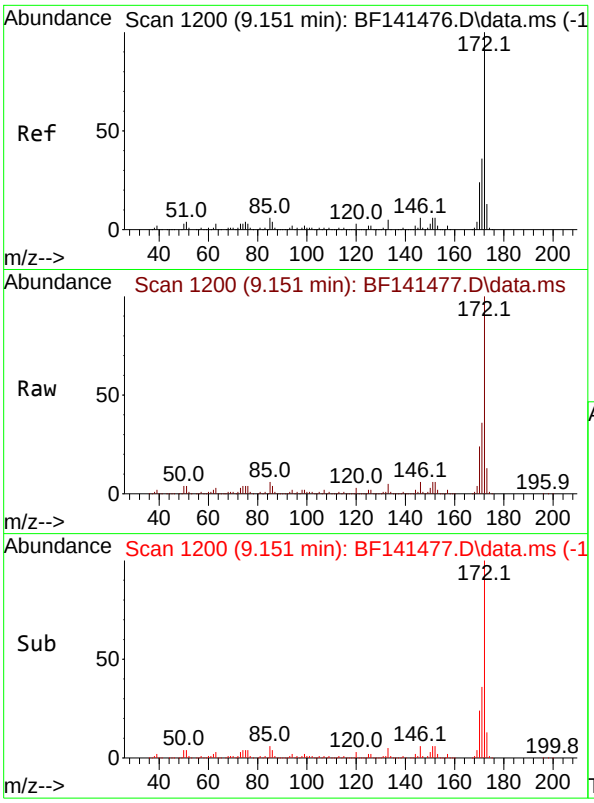


#44
2,4,5-Trichlorophenol
Concen: 48.667 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:196 Resp: 187902

Ion	Ratio	Lower	Upper
196	100		
198	103.9	79.8	119.8
97	58.6	44.8	67.2
132	30.8	23.9	35.9



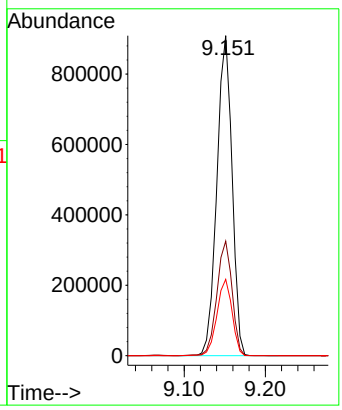


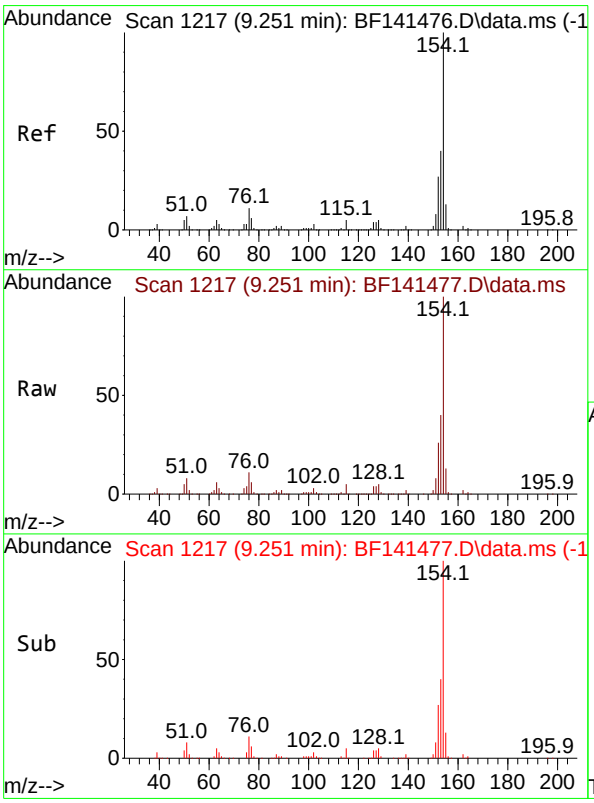
#45
2-Fluorobiphenyl
Concen: 95.605 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1182292

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.8	18.9	28.3

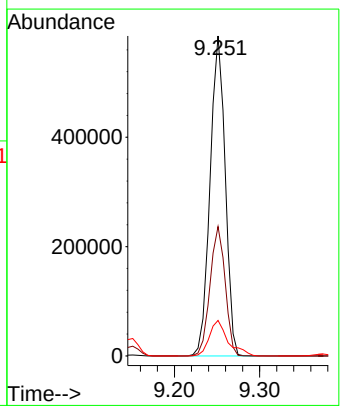


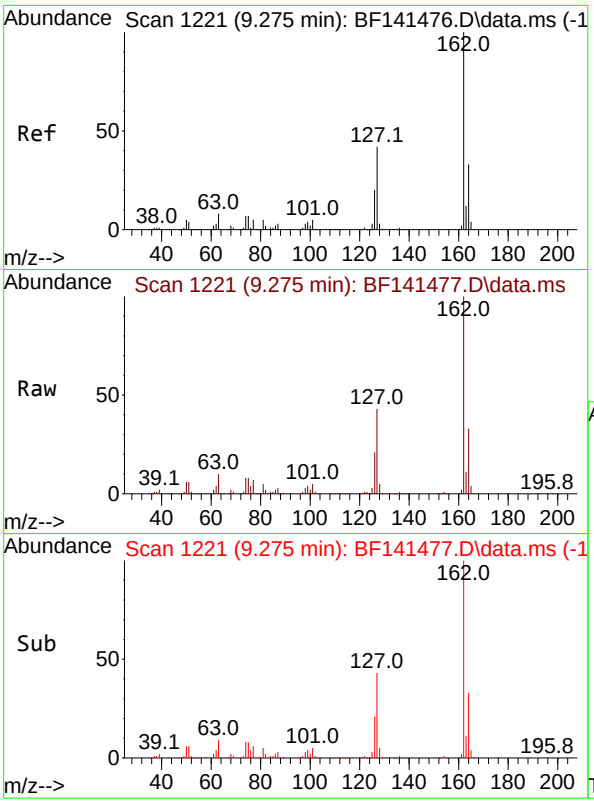


#46
1,1'-Biphenyl
Concen: 48.905 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:154 Resp: 722373

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	11.1	0.0	30.8



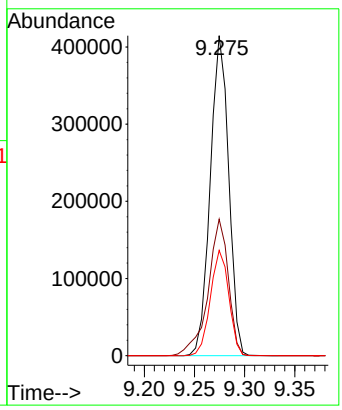


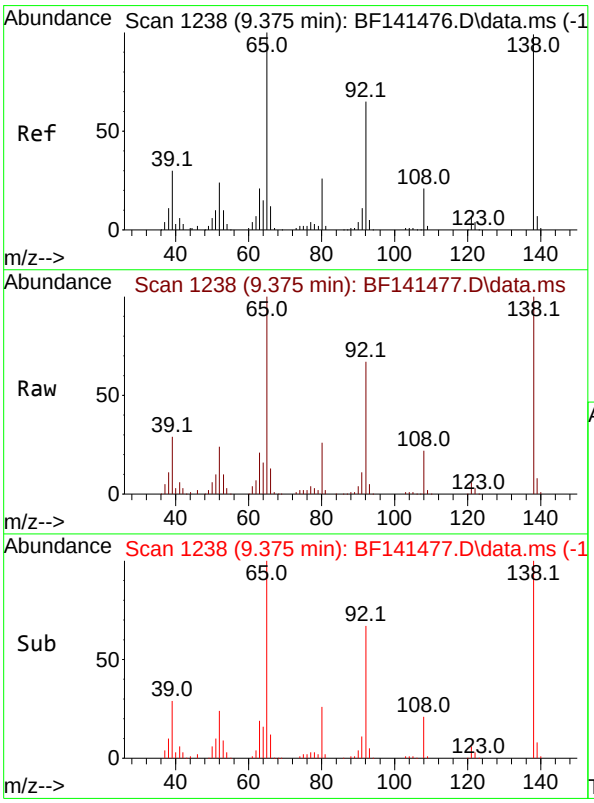
#47
2-Chloronaphthalene
Concen: 48.576 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 530577

Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.1	51.1
164	32.9	26.3	39.5

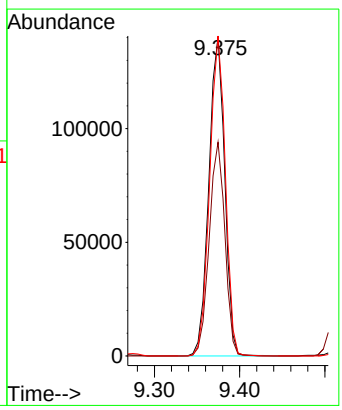


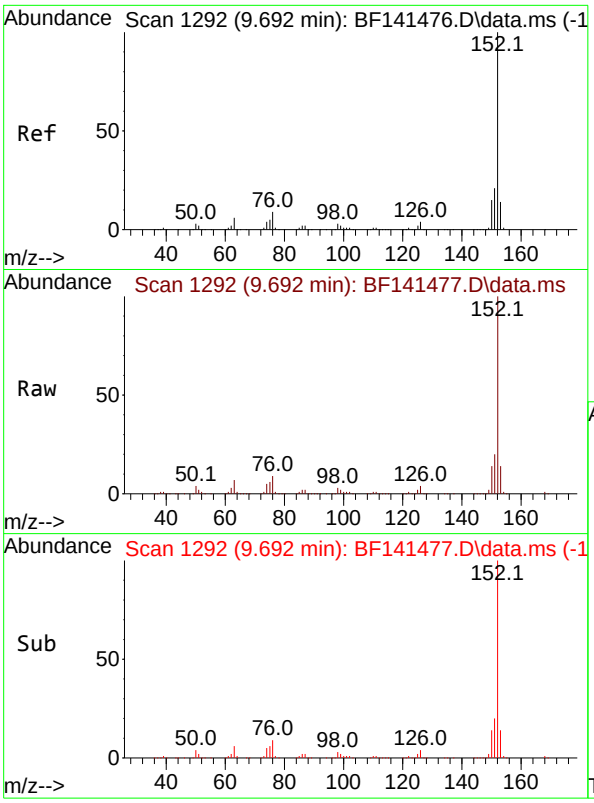


#48
2-Nitroaniline
Concen: 49.612 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 65 Resp: 181860

Ion	Ratio	Lower	Upper
65	100		
92	67.0	52.2	78.2
138	100.2	79.5	119.3



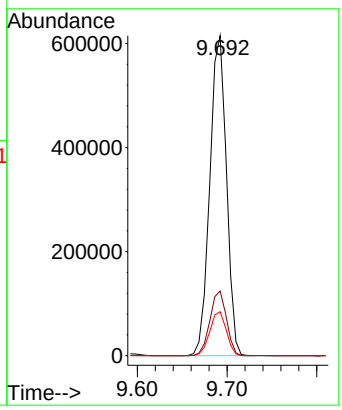


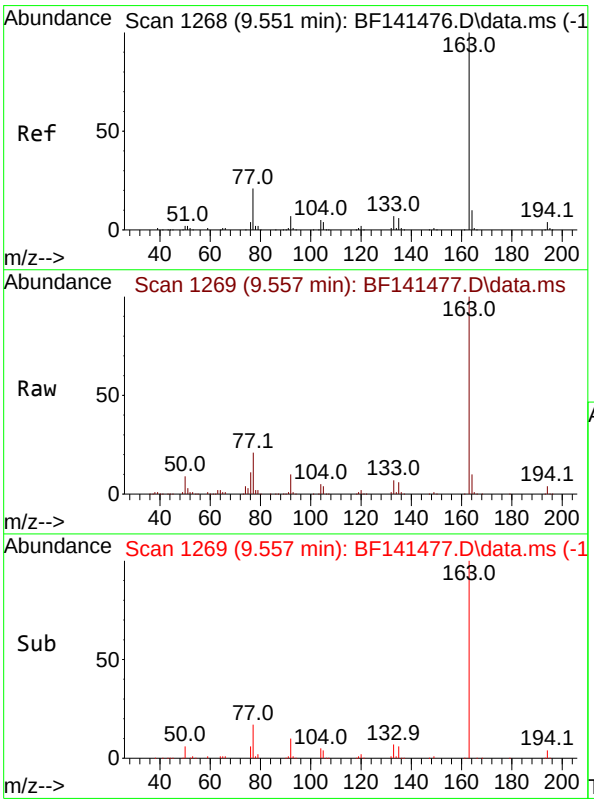
#49
Acenaphthylene
Concen: 48.672 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 790730

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.7	10.9	16.3

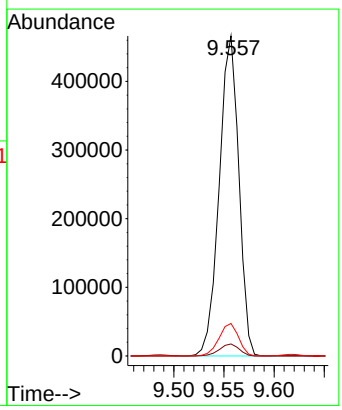


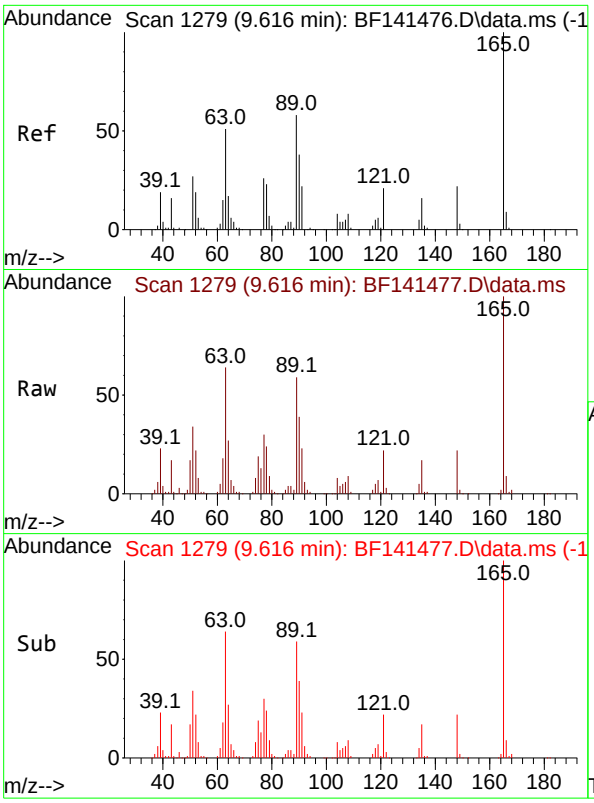


#50
Dimethylphthalate
Concen: 48.760 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:163 Resp: 630673

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.1	7.9	11.9



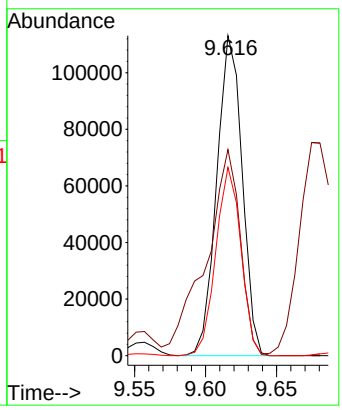


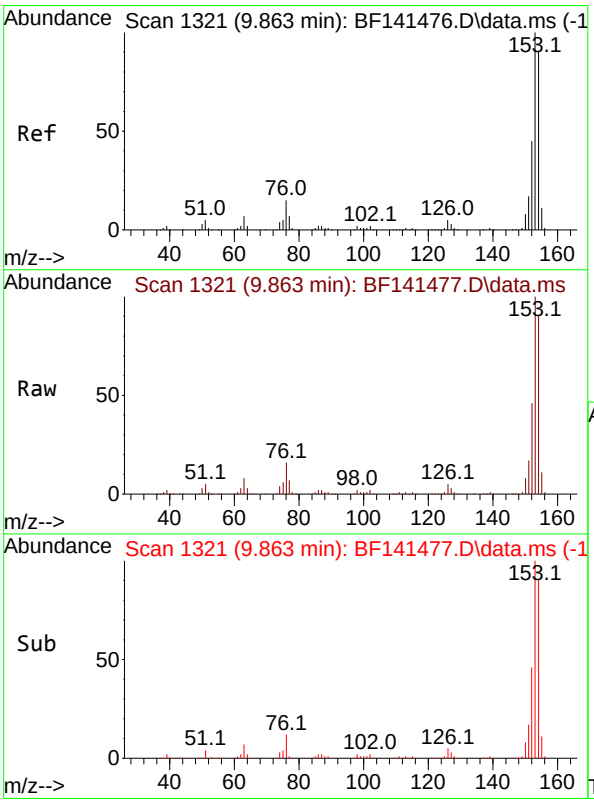
#51
2,6-Dinitrotoluene
Concen: 49.760 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 140697

Ion	Ratio	Lower	Upper
165	100		
63	64.4	49.4	74.0
89	58.9	46.5	69.7

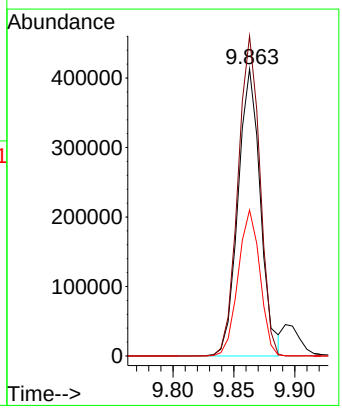


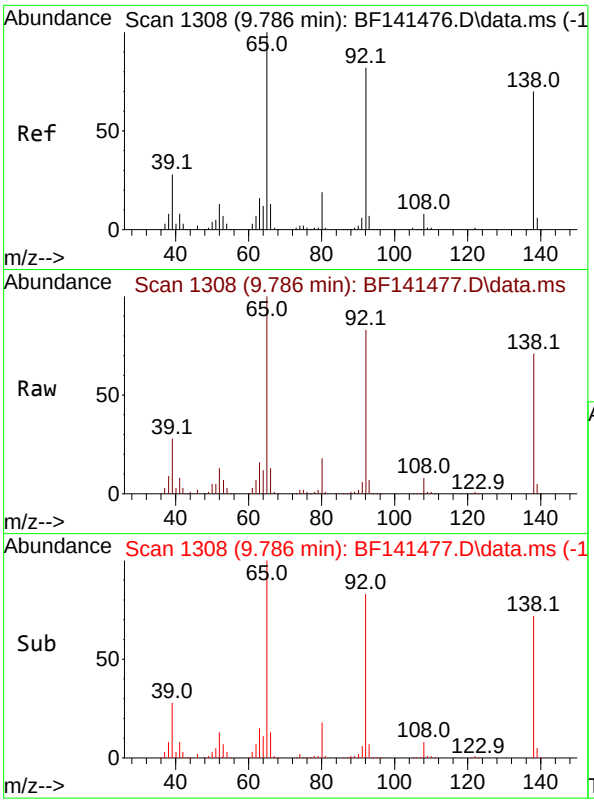


#52
Acenaphthene
Concen: 48.327 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:154 Resp: 527828

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	50.8	39.8	59.8



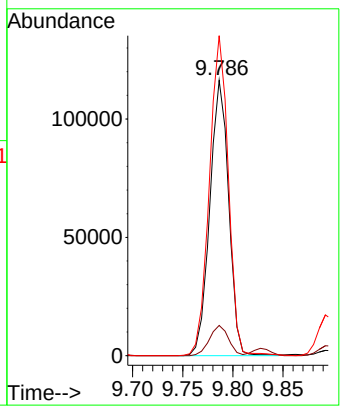


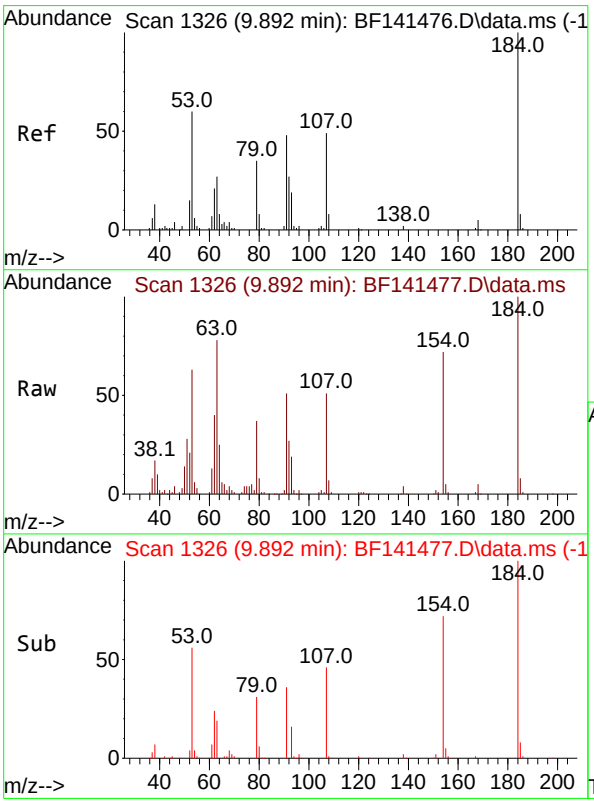
#53
3-Nitroaniline
Concen: 50.087 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 152426

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.0	13.4
92	116.2	93.7	140.5

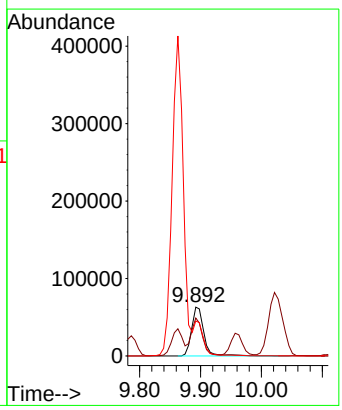


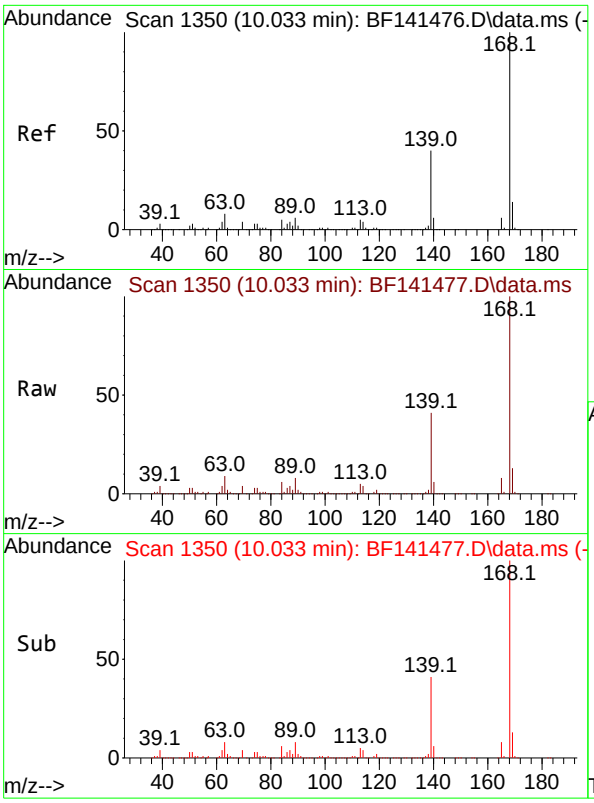


#54
2,4-Dinitrophenol
Concen: 52.339 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:184 Resp: 87953

Ion	Ratio	Lower	Upper
184	100		
63	77.9	61.0	91.6
154	71.8	59.9	89.9



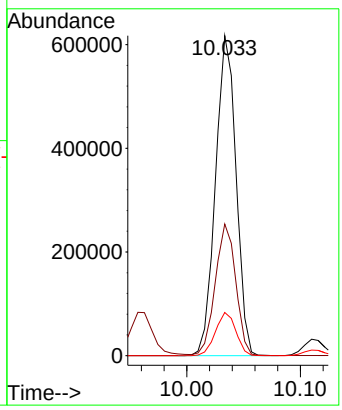


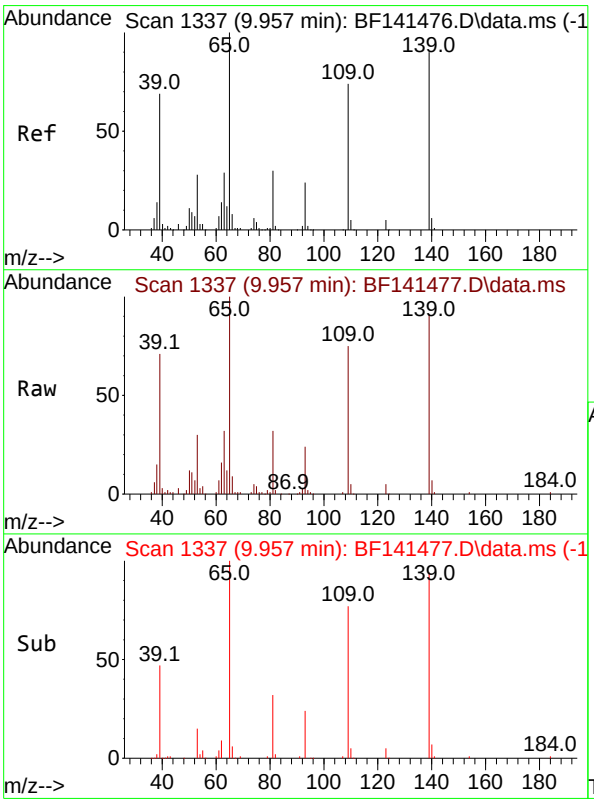
#55
Dibenzofuran
Concen: 48.523 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 777905

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.7	49.1
169	13.5	10.8	16.2

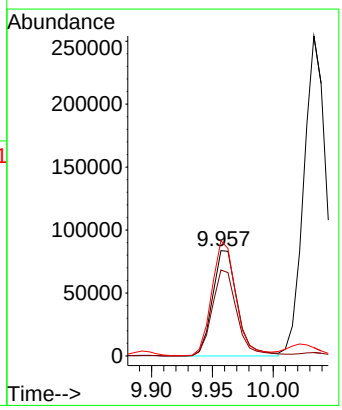


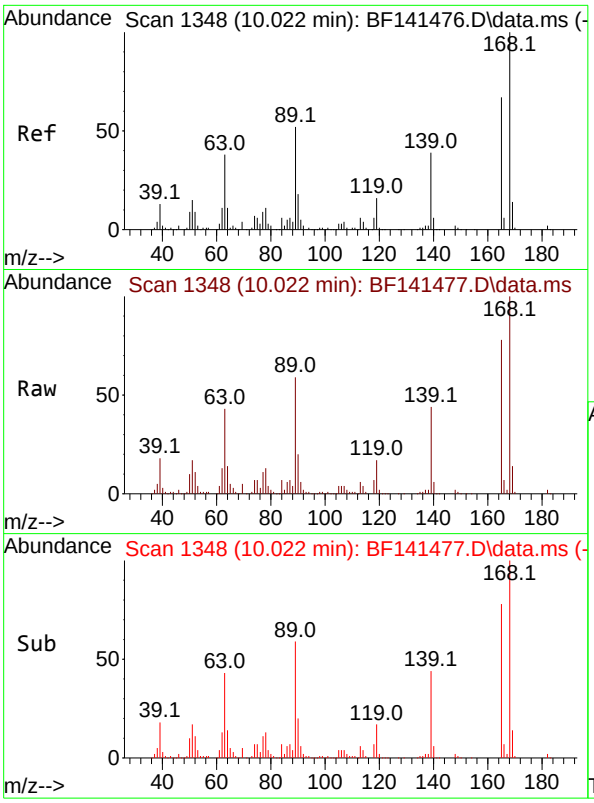


#56
4-Nitrophenol
Concen: 52.603 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:139 Resp: 118835

Ion	Ratio	Lower	Upper
139	100		
109	81.7	62.0	102.0
65	109.4	91.2	131.2



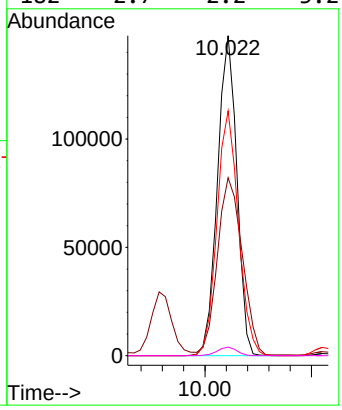


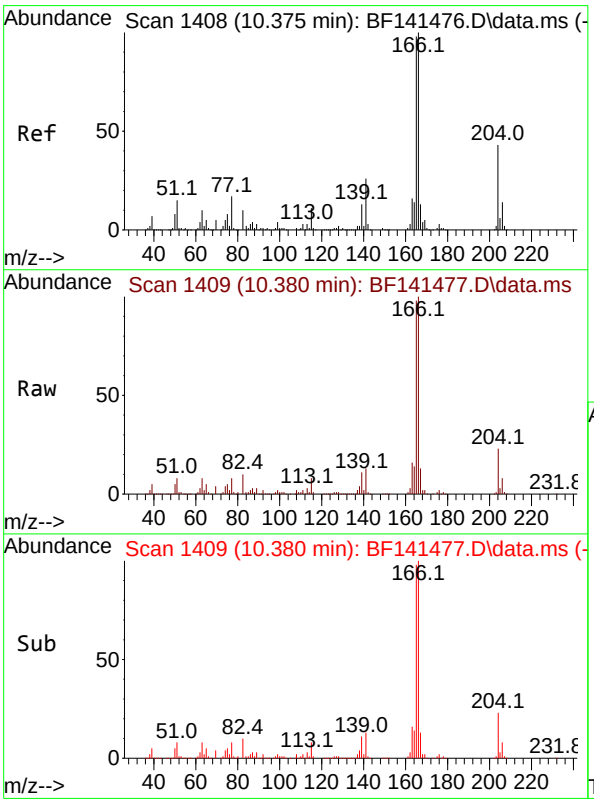
#57
2,4-Dinitrotoluene
Concen: 49.346 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 185741

Ion	Ratio	Lower	Upper
165	100		
63	55.6	46.4	69.6
89	76.5	61.8	92.6
182	2.7	2.2	3.2

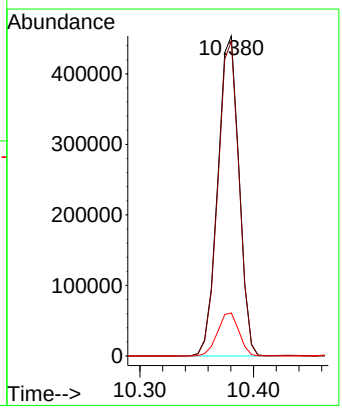


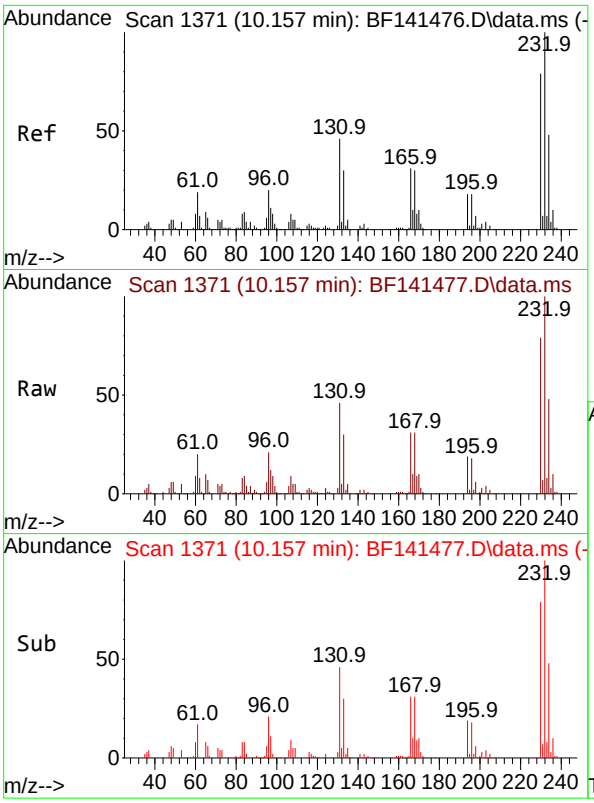


#58
Fluorene
Concen: 47.597 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:166 Resp: 590000

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.2	117.2
167	13.4	10.7	16.1



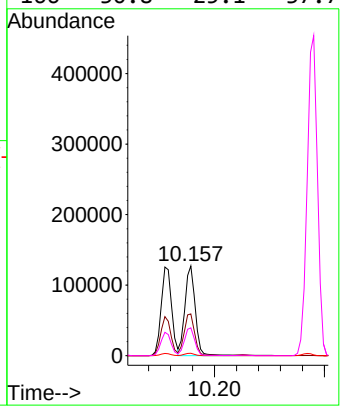


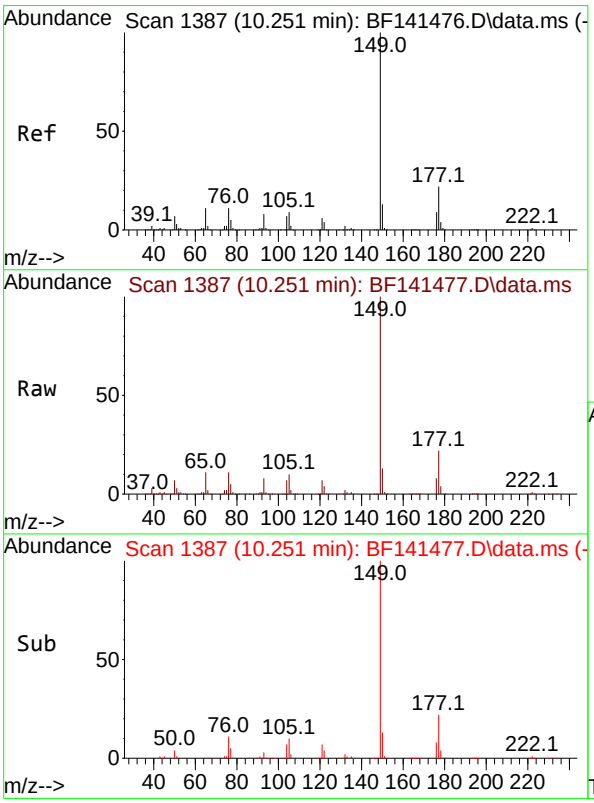
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.807 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 165559

Ion	Ratio	Lower	Upper
232	100		
131	46.7	39.2	58.8
130	2.6	2.1	3.1
166	30.8	25.1	37.7

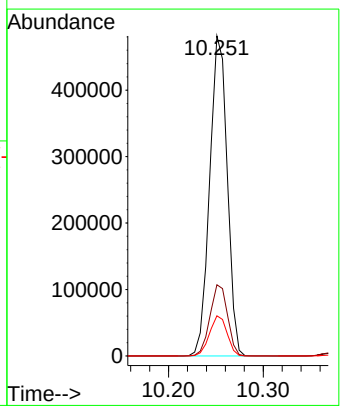


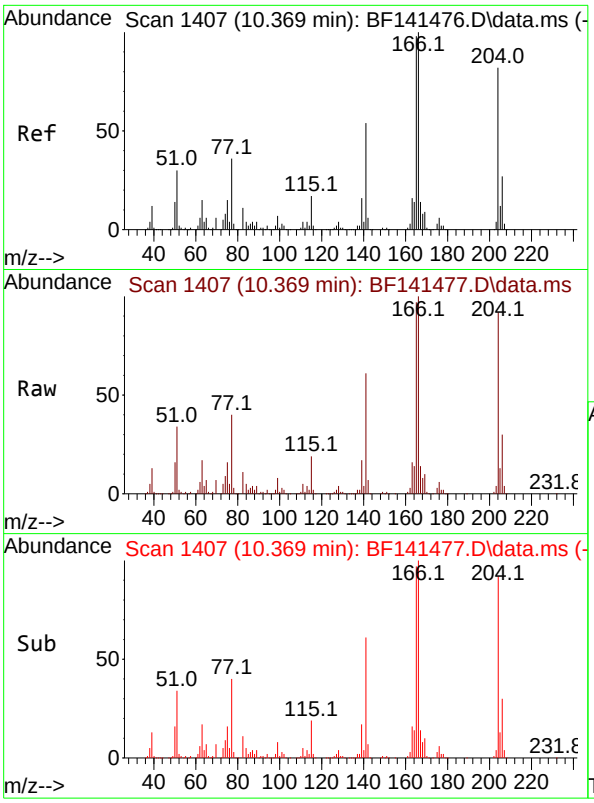


#60
Diethylphthalate
Concen: 48.647 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 619064

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.5	10.1	15.1



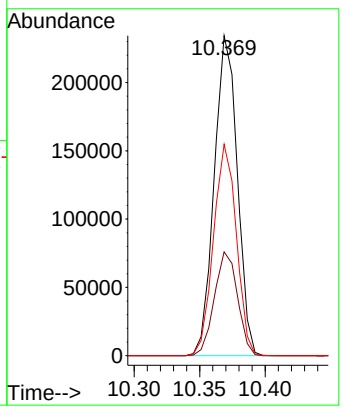


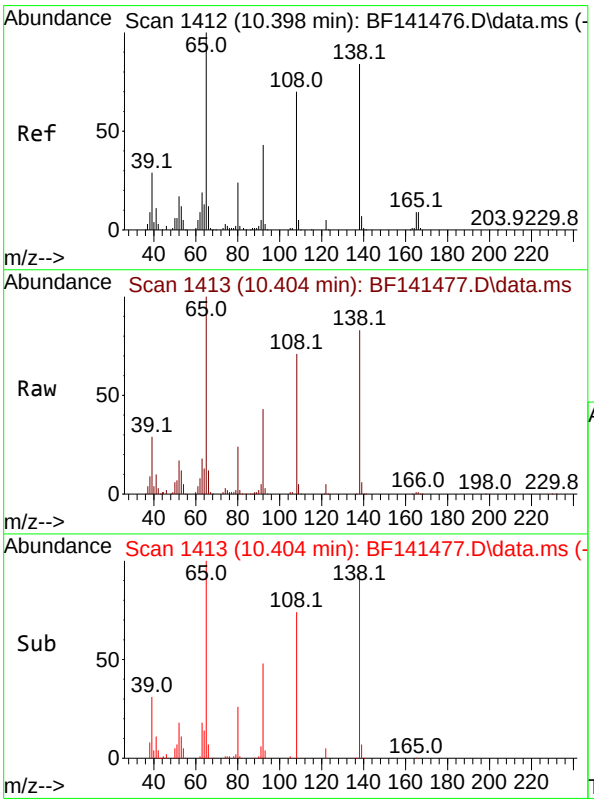
#61
4-Chlorophenyl-phenylether
Concen: 48.048 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 286530

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	66.0	51.9	77.9

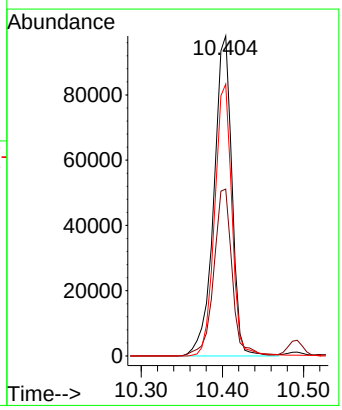


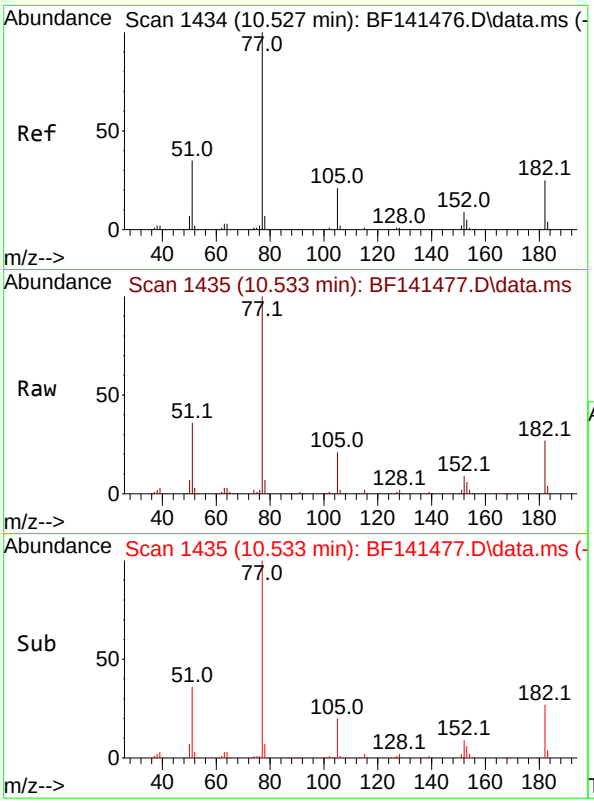


#62
4-Nitroaniline
Concen: 49.113 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:138 Resp: 151765

Ion	Ratio	Lower	Upper
138	100		
92	52.2	31.3	71.3
108	84.9	63.7	103.7



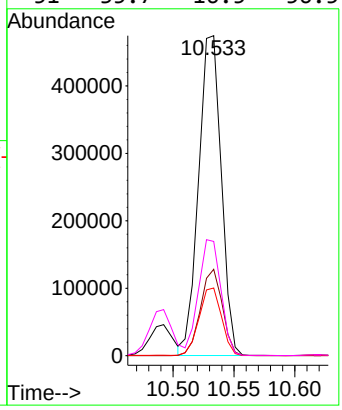


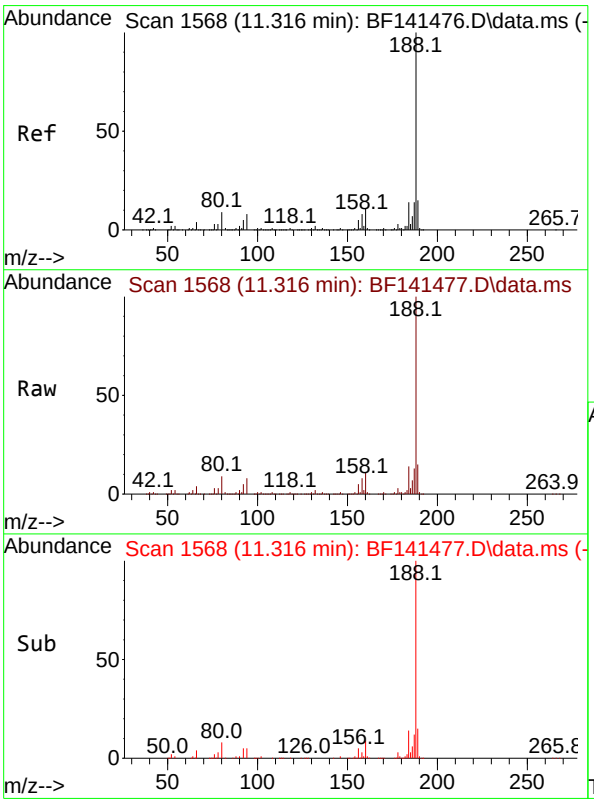
#63
Azobenzene
Concen: 48.742 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 616638

Ion	Ratio	Lower	Upper
77	100		
182	27.0	4.7	44.7
105	21.1	0.4	40.4
51	35.7	16.5	56.5

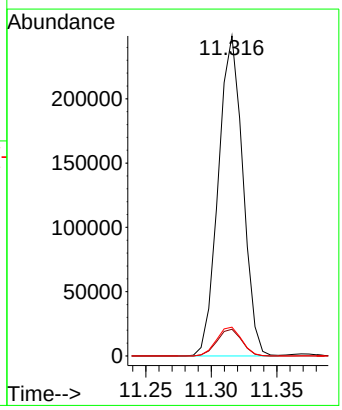


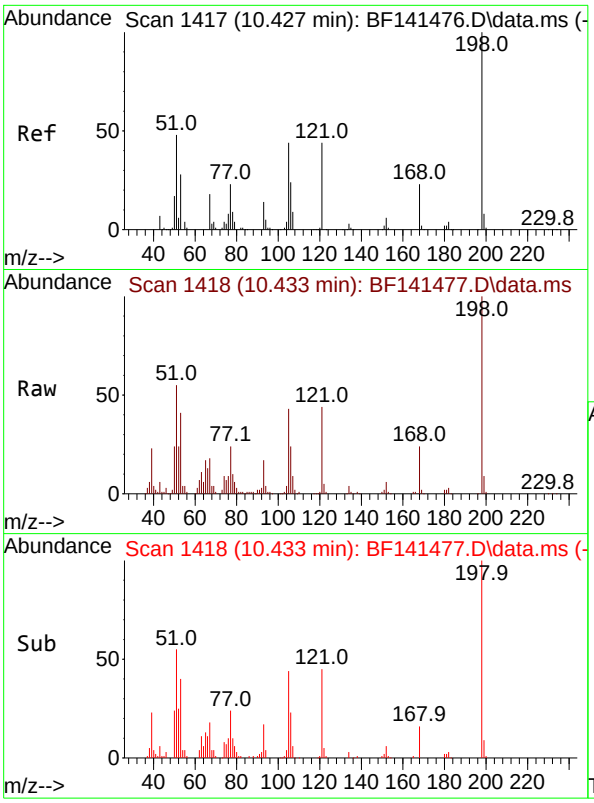


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:188 Resp: 323702

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.0	7.3	10.9



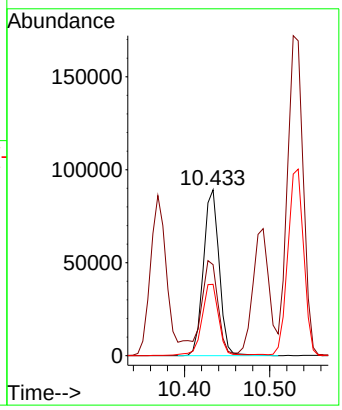


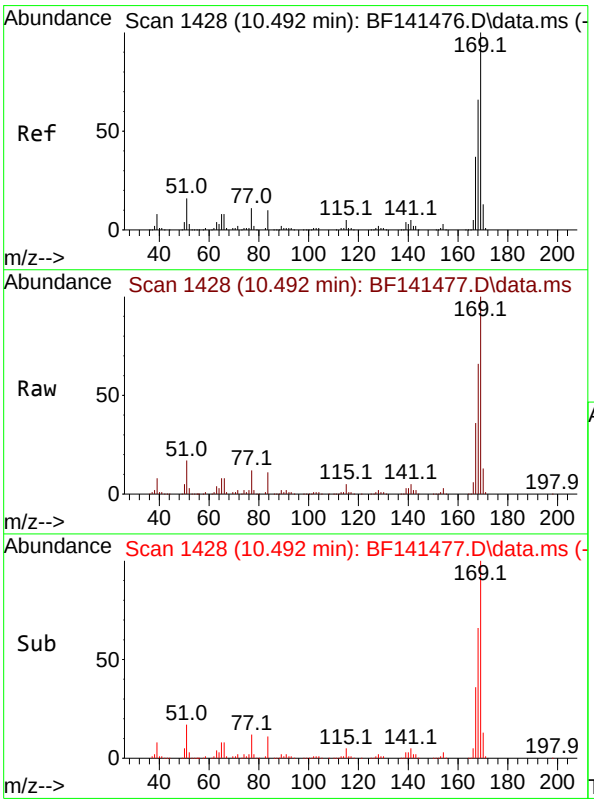
#65
4,6-Dinitro-2-methylphenol
Concen: 51.021 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 114725

Ion	Ratio	Lower	Upper
198	100		
51	54.9	37.4	77.4
105	43.0	25.2	65.2

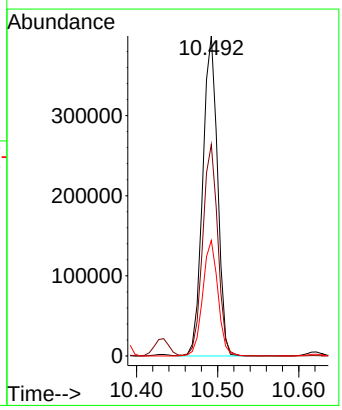


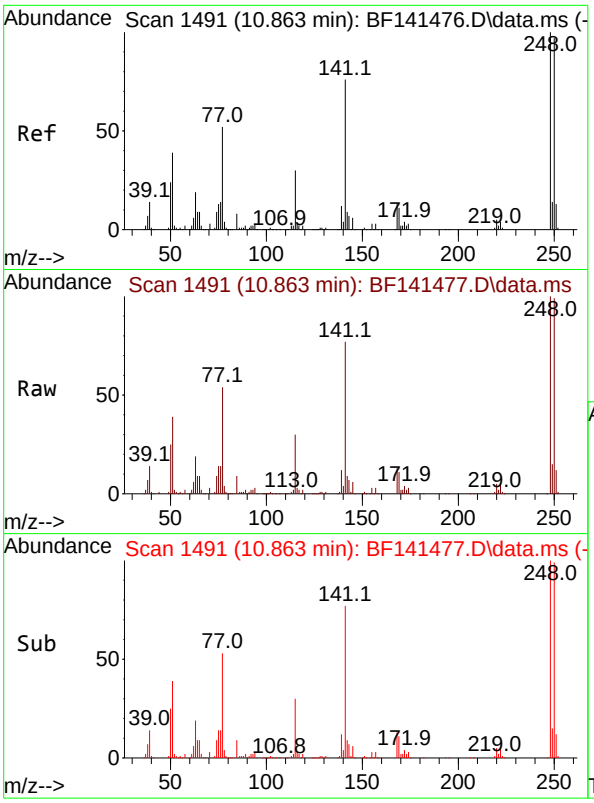


#66
n-Nitrosodiphenylamine
Concen: 48.810 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:169 Resp: 505770

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.3	79.9
167	36.1	29.4	44.2



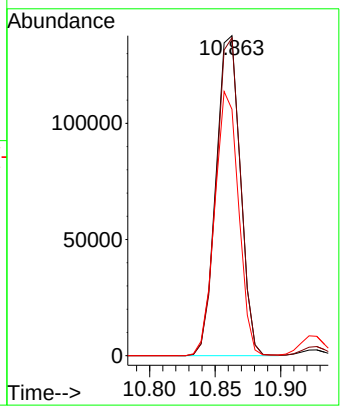


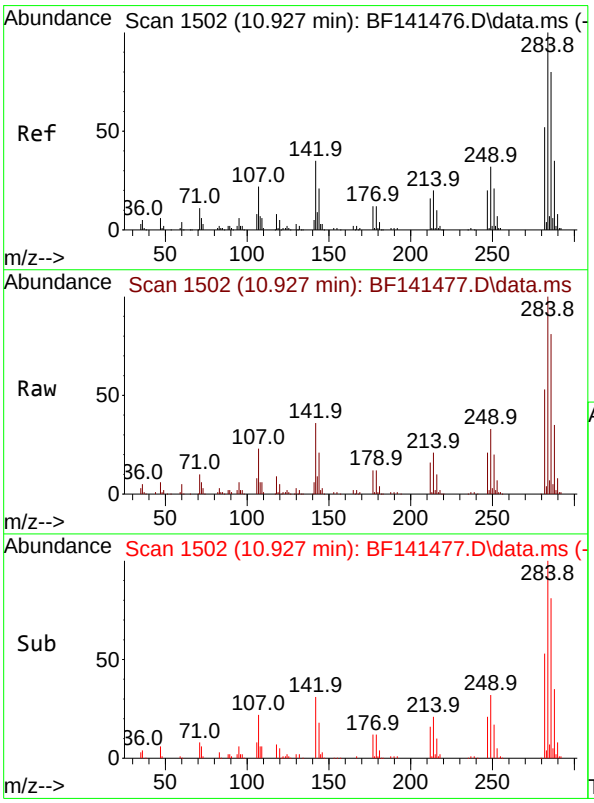
#67
4-Bromophenyl-phenylether
Concen: 49.135 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 177761

Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.8	116.6
141	77.0	60.6	90.8

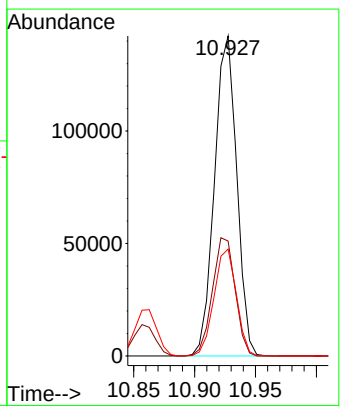


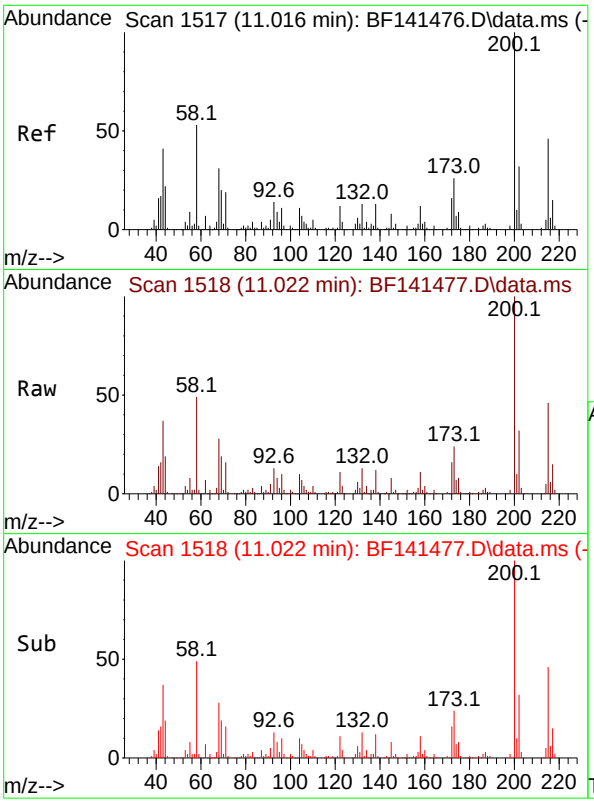


#68
Hexachlorobenzene
Concen: 48.567 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:284 Resp: 180930

Ion	Ratio	Lower	Upper
284	100		
142	35.9	28.0	42.0
249	33.4	25.8	38.8



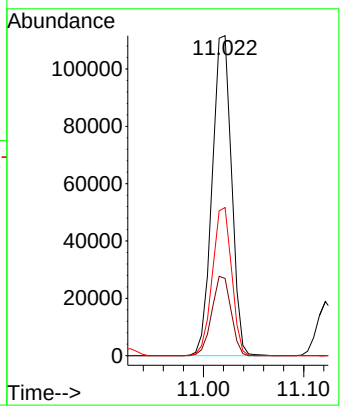


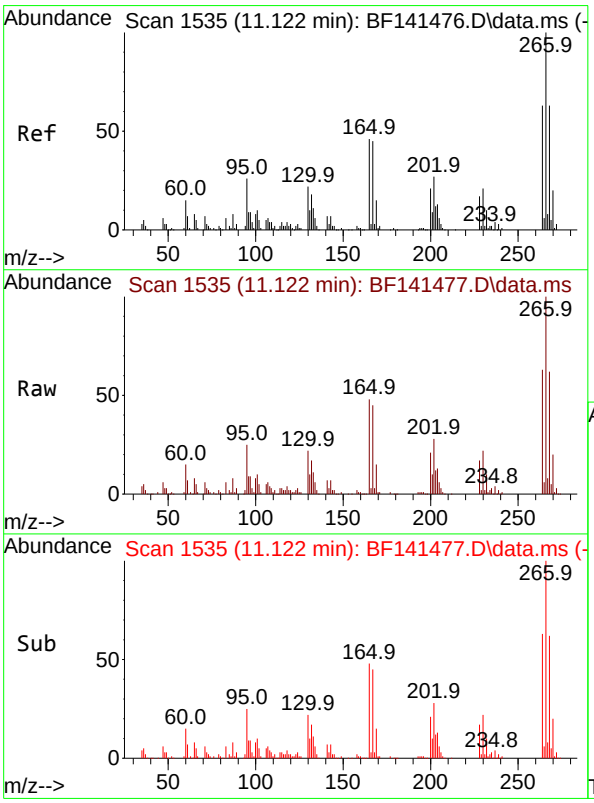
#69
Atrazine
Concen: 48.175 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 149758

Ion	Ratio	Lower	Upper
200	100		
173	24.2	5.9	45.9
215	46.3	25.9	65.9

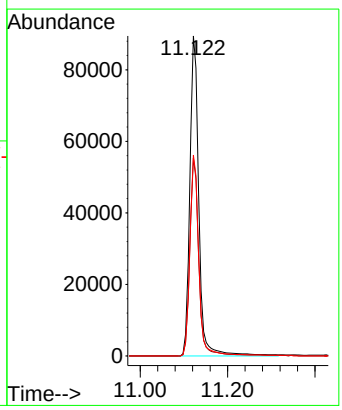


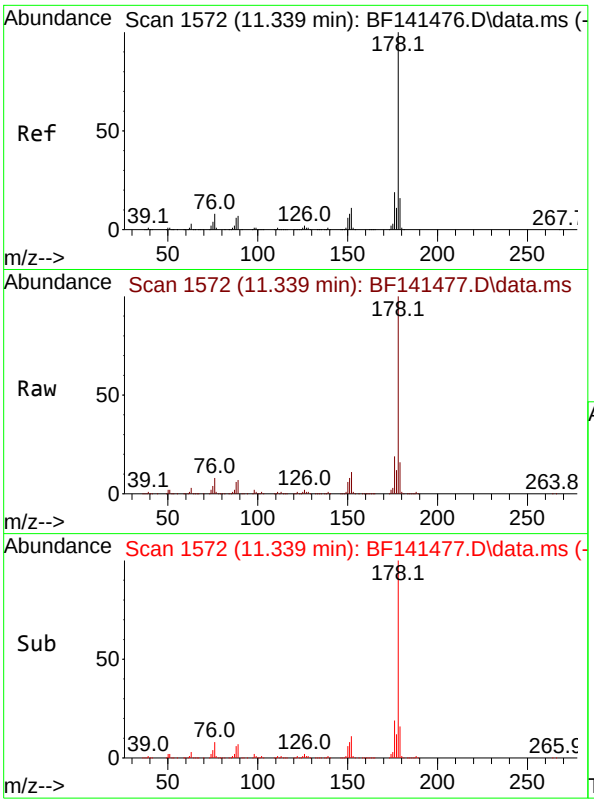


#70
Pentachlorophenol
Concen: 53.769 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:266 Resp: 128081

Ion	Ratio	Lower	Upper
266	100		
268	61.8	50.1	75.1
264	62.8	50.1	75.1



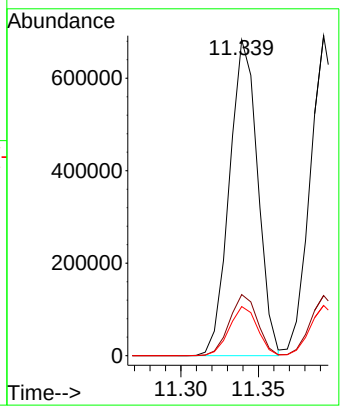


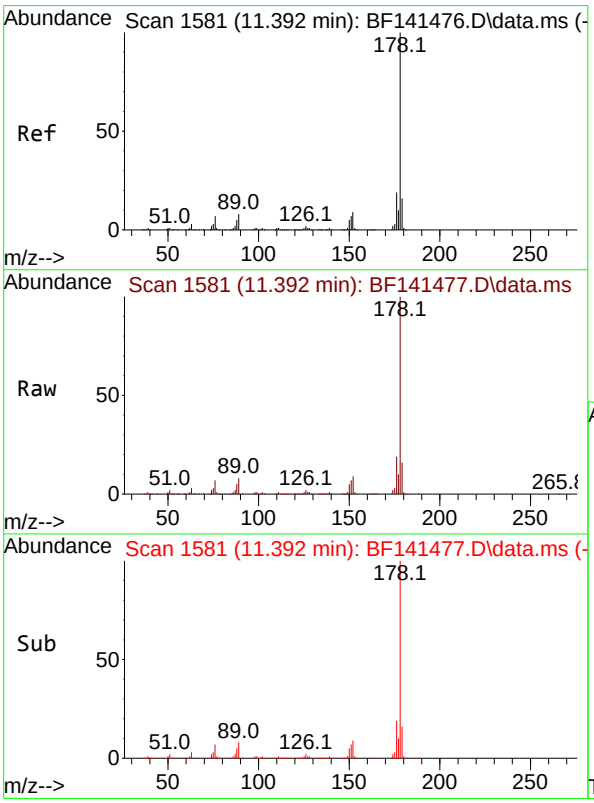
#71
Phenanthrene
Concen: 48.631 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 866517

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.4	18.6

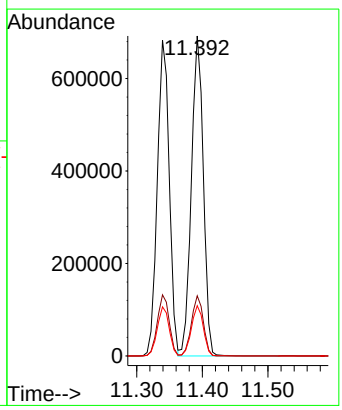


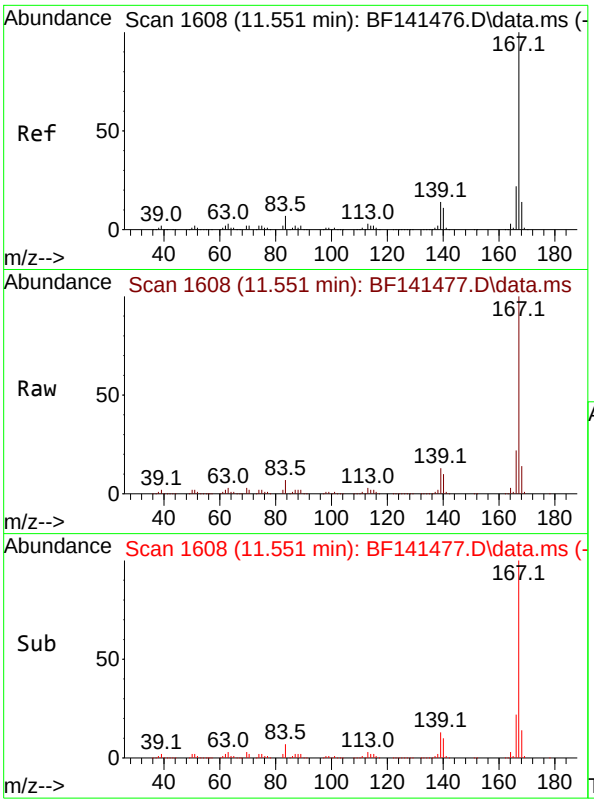


#72
Anthracene
Concen: 48.984 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:178 Resp: 877393

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.7	12.4	18.6



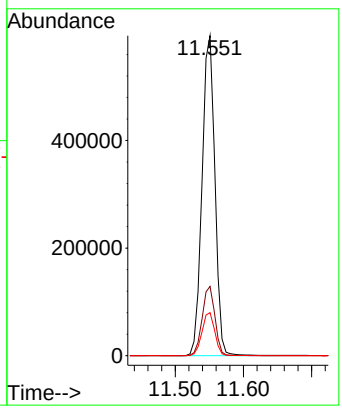


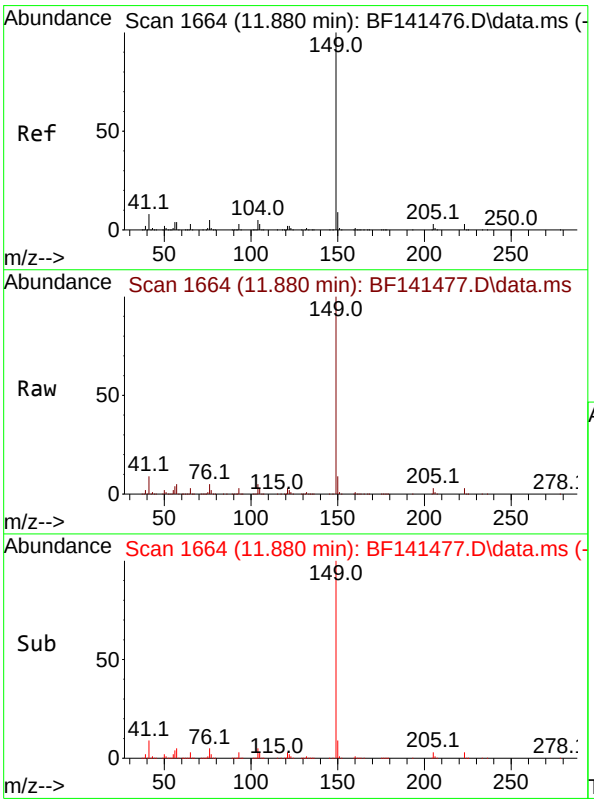
#73
Carbazole
Concen: 48.504 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 781733

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.5	10.9	16.3

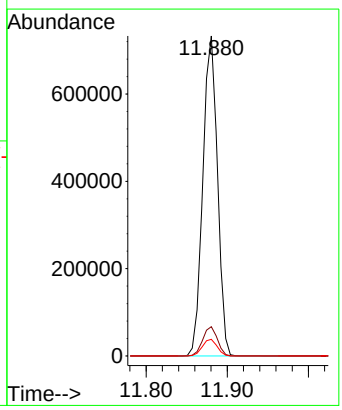


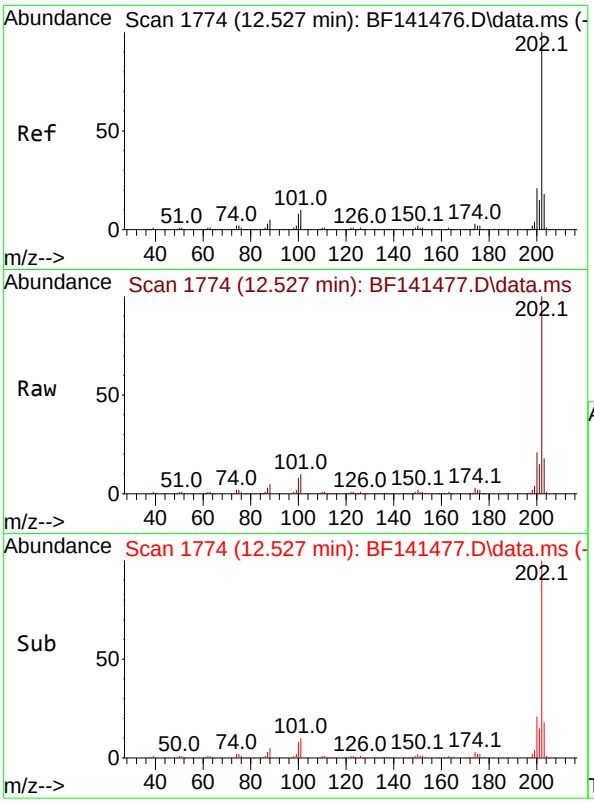


#74
Di-n-butylphthalate
Concen: 49.210 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 915782

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2



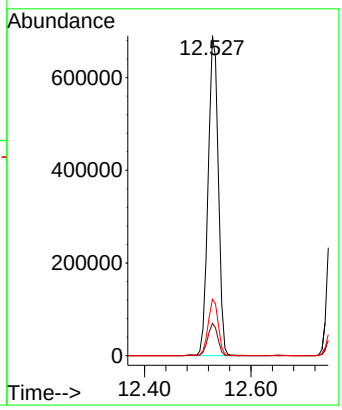


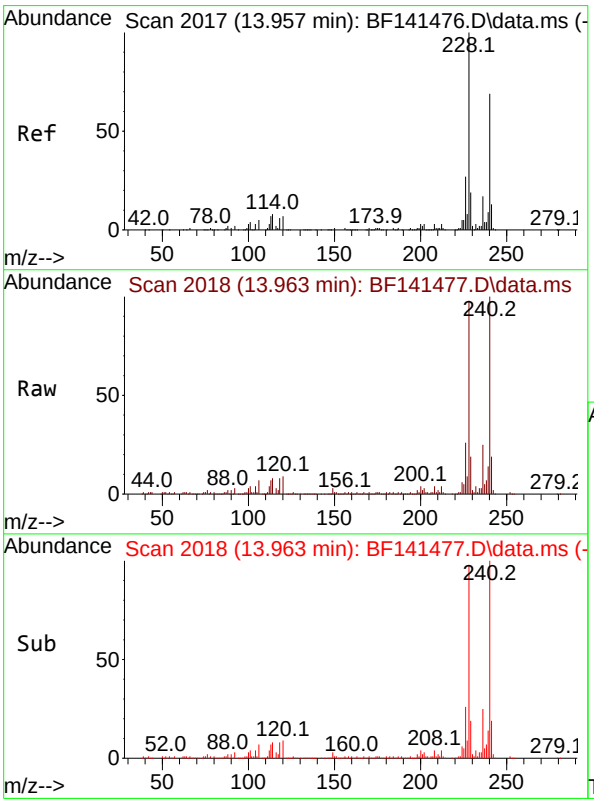
#75
Fluoranthene
Concen: 48.367 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 913699

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.6	0.0	37.6

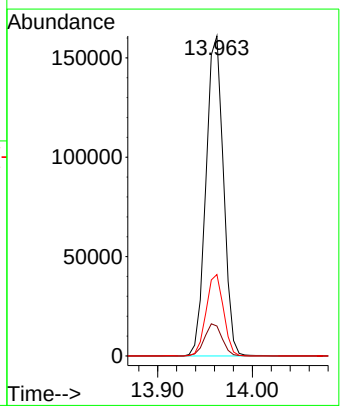


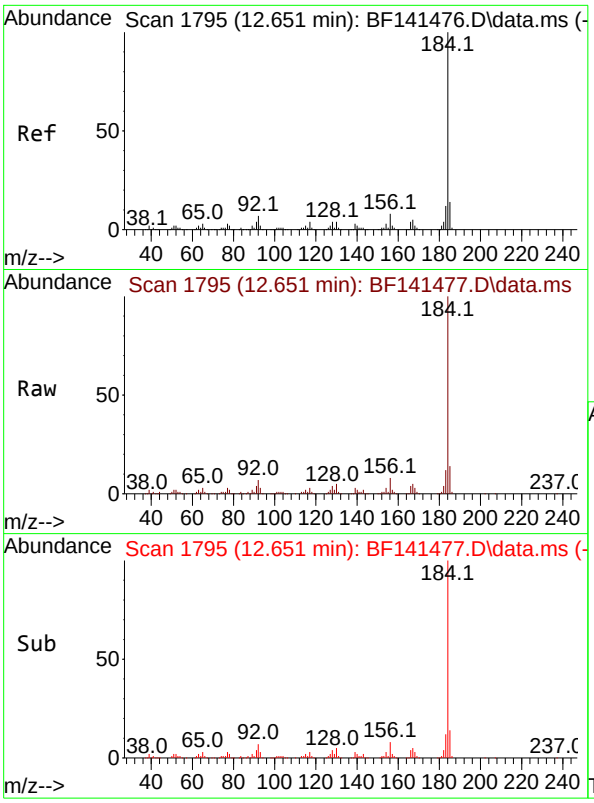


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:240 Resp: 205879

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.0	12.0
236	25.4	19.8	29.8



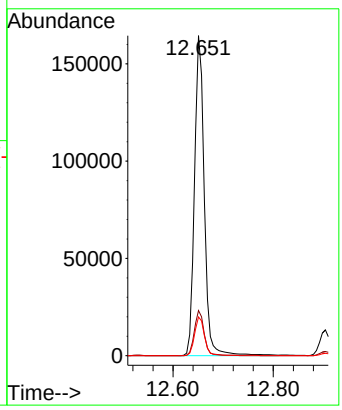


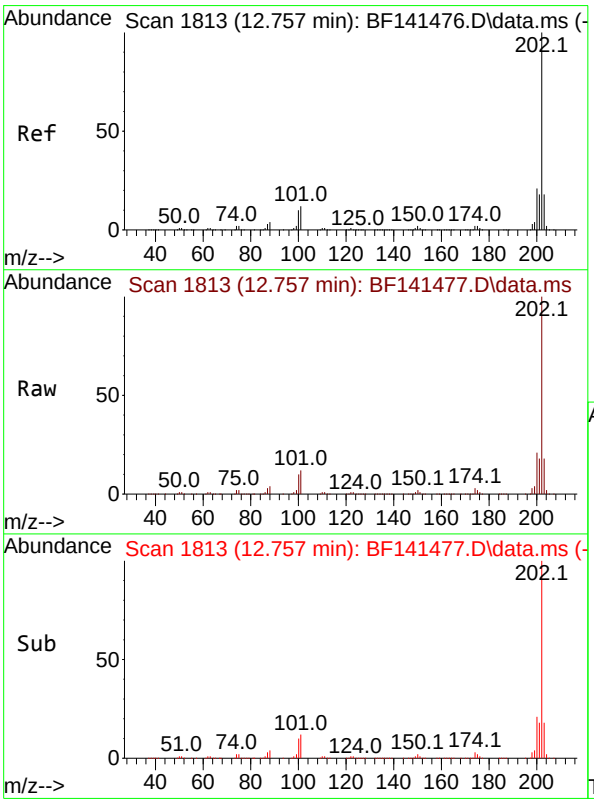
#77
Benzidine
Concen: 49.026 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 222606

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	12.1	9.3	13.9

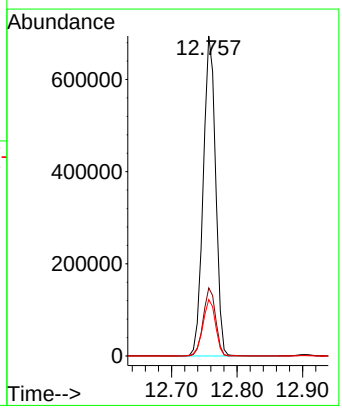


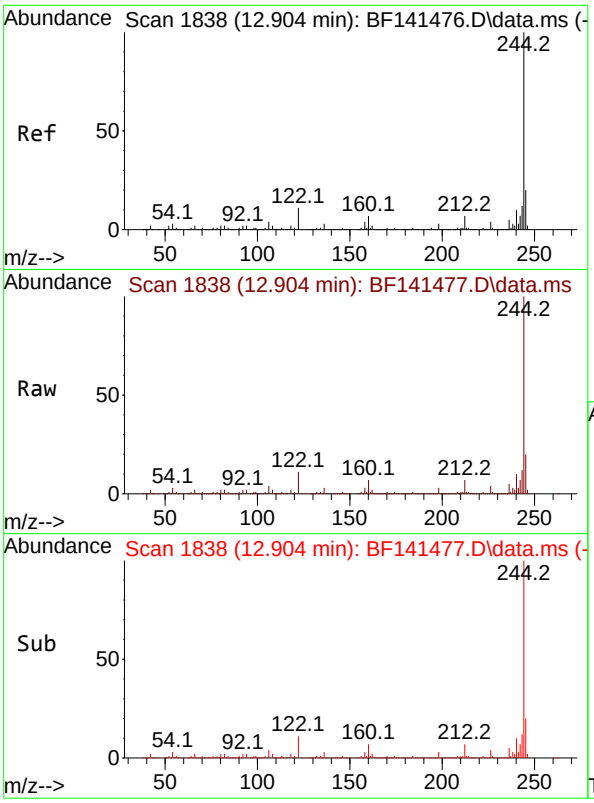


#78
Pyrene
Concen: 52.106 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:202 Resp: 913198

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.6	14.3	21.5



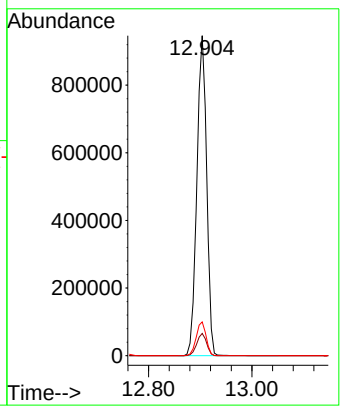


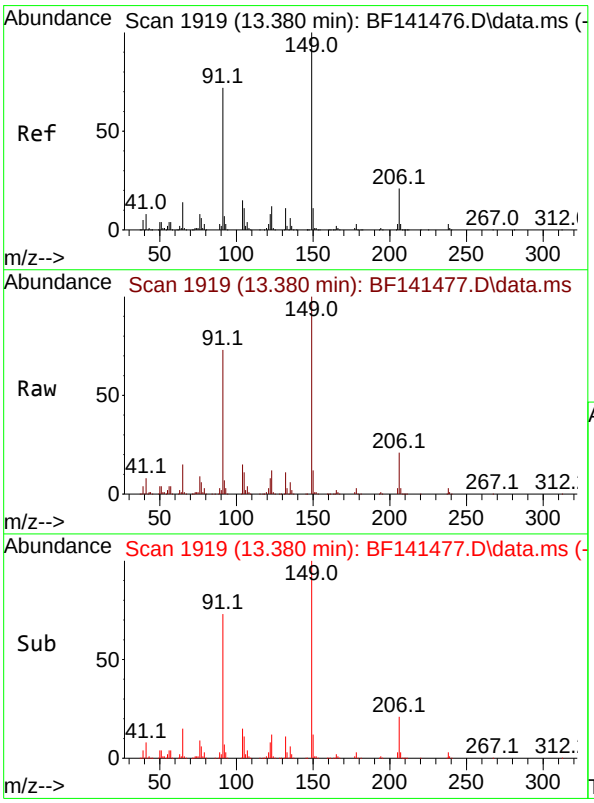
#79
Terphenyl-d14
Concen: 102.010 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1244053

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.5	8.4	12.6

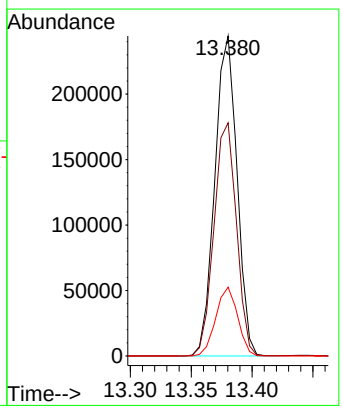


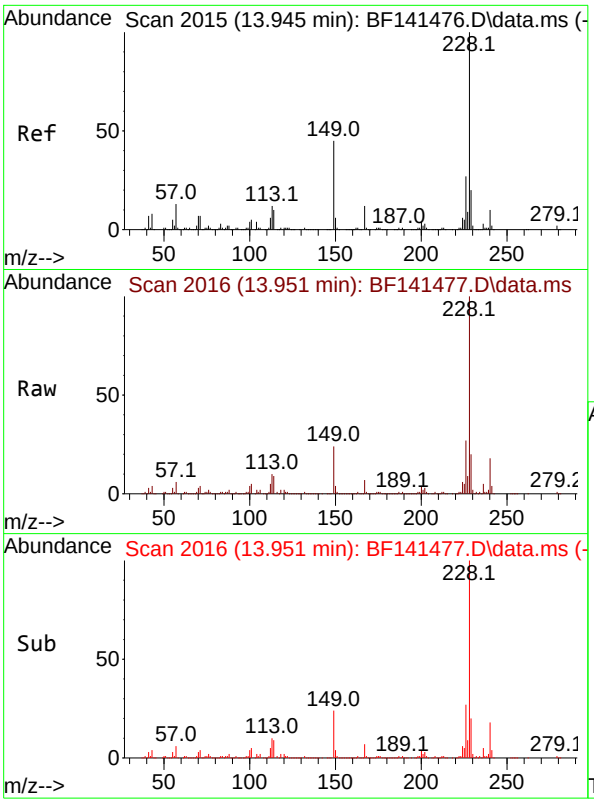


#80
Butylbenzylphthalate
Concen: 51.168 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 310612

Ion	Ratio	Lower	Upper
149	100		
91	72.8	57.8	86.8
206	21.5	16.7	25.1



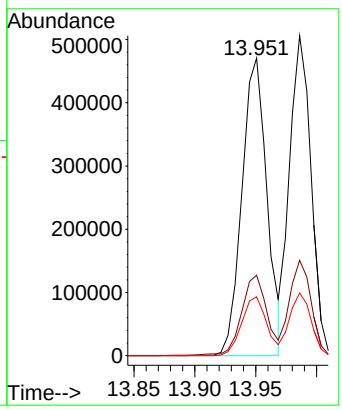


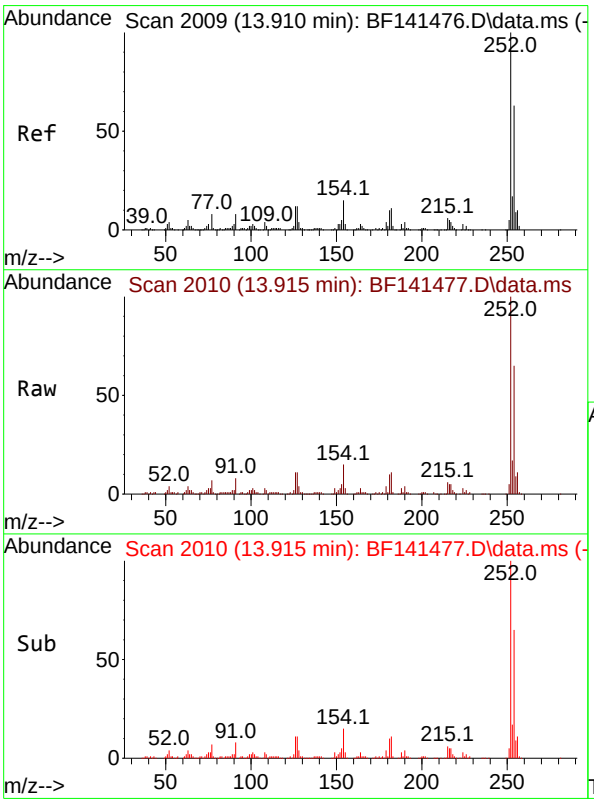
#81
Benzo(a)anthracene
Concen: 49.234 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 673785

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.8	15.8	23.6

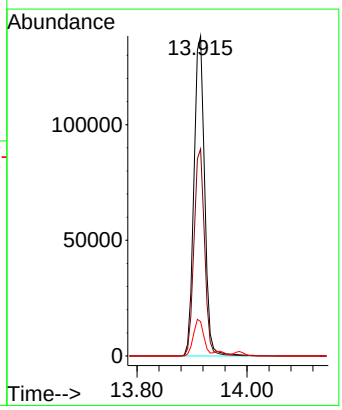


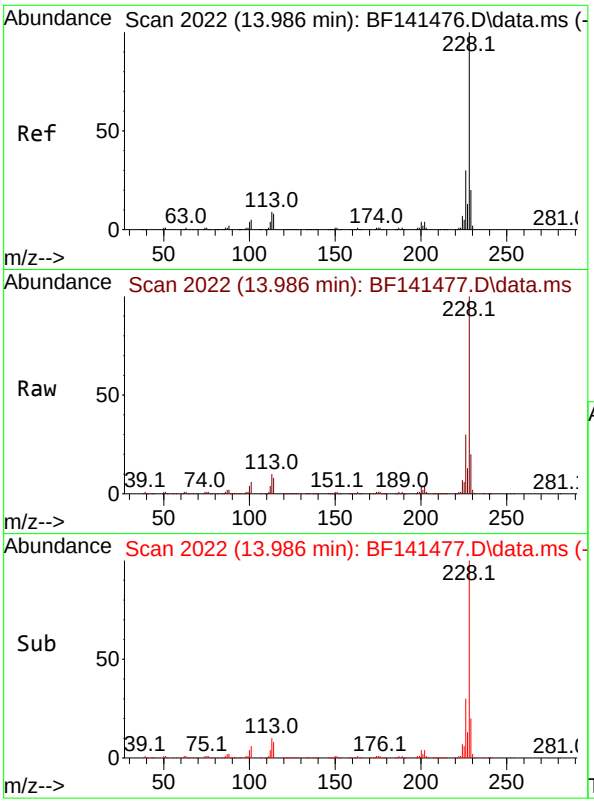


#82
3,3'-Dichlorobenzidine
Concen: 47.650 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 186802

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.6	76.0
126	10.8	9.3	13.9



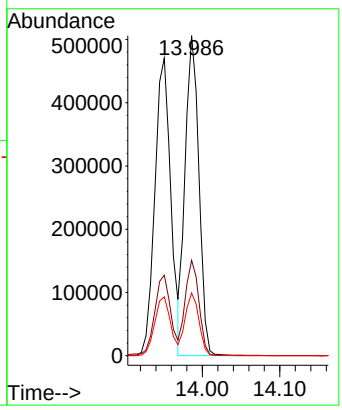


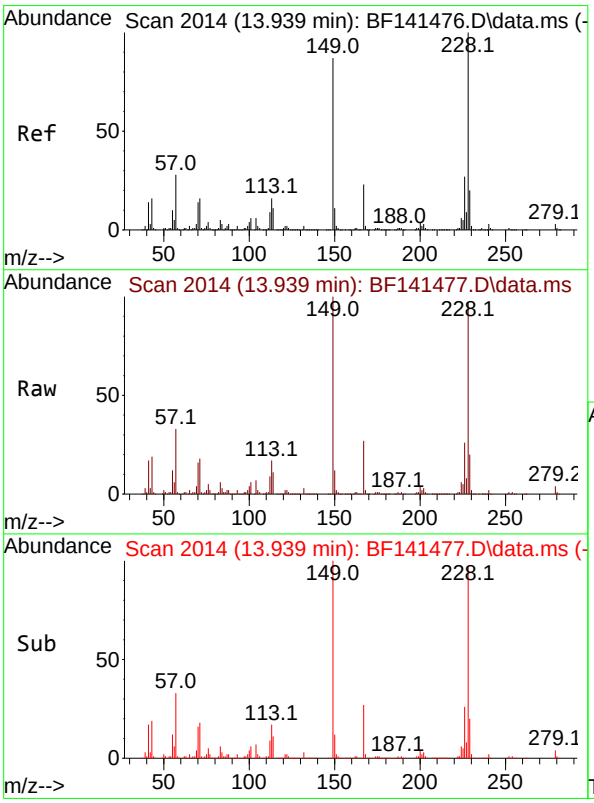
#83
Chrysene
Concen: 49.505 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 625572

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.6	15.7	23.5

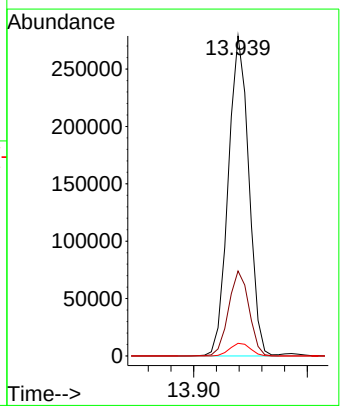


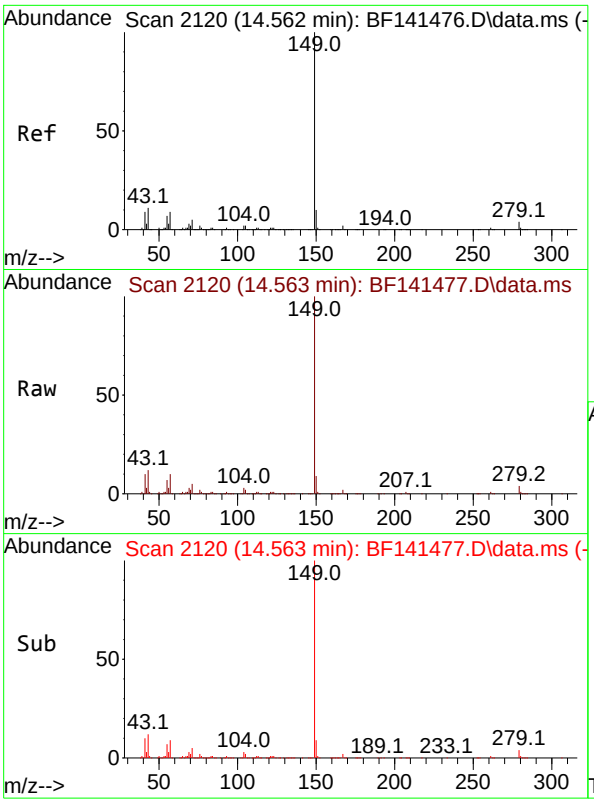


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.138 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 350121

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.0	3.1	4.7



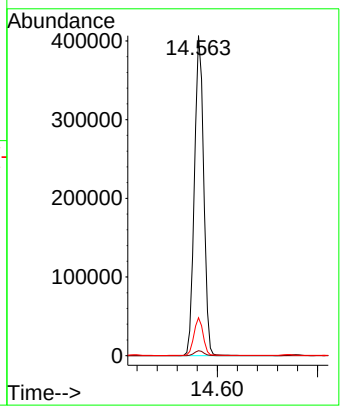


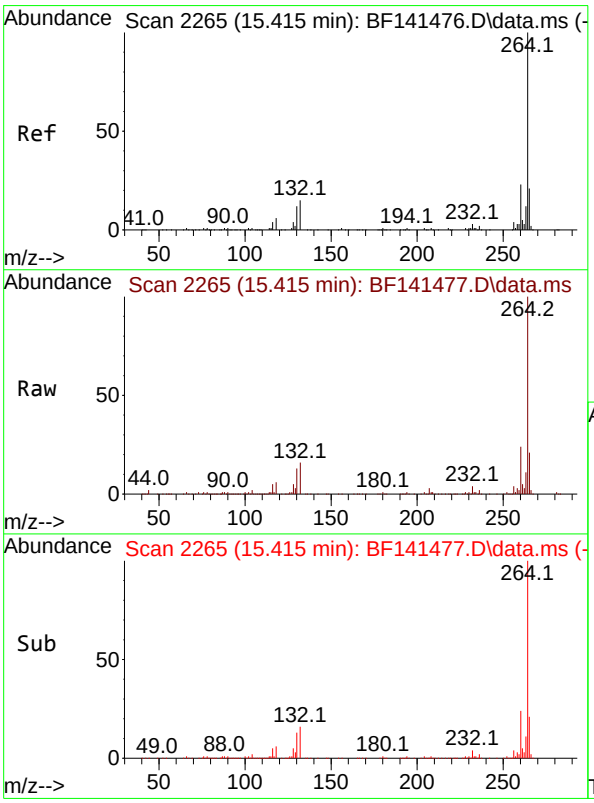
#85
Di-n-octyl phthalate
Concen: 53.213 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 519741

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3

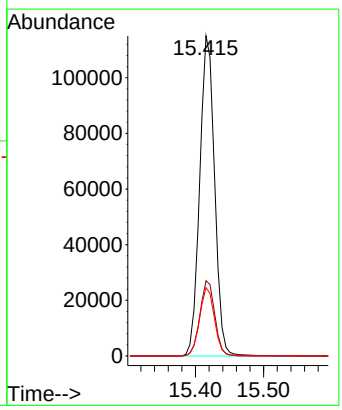


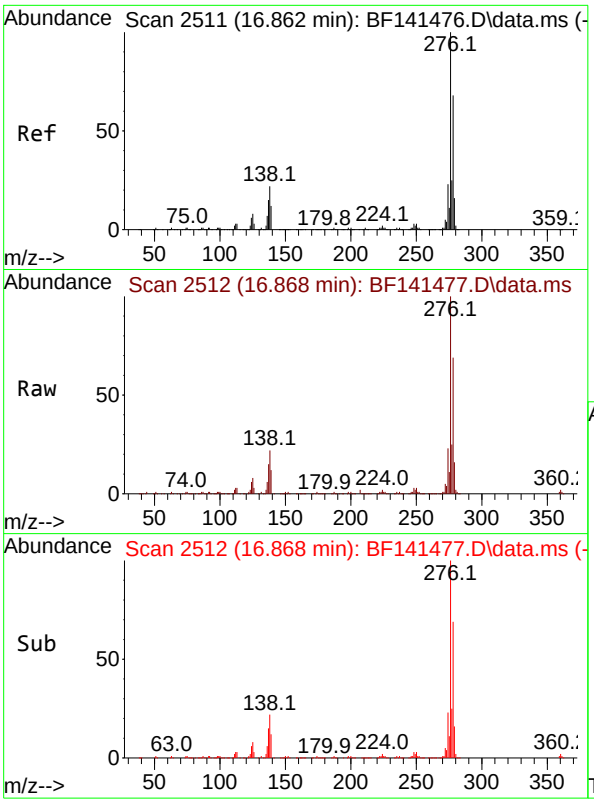


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:264 Resp: 174906

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.3	17.0	25.4



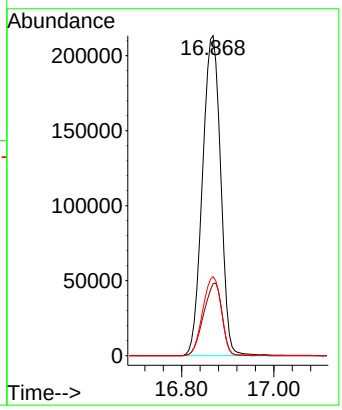


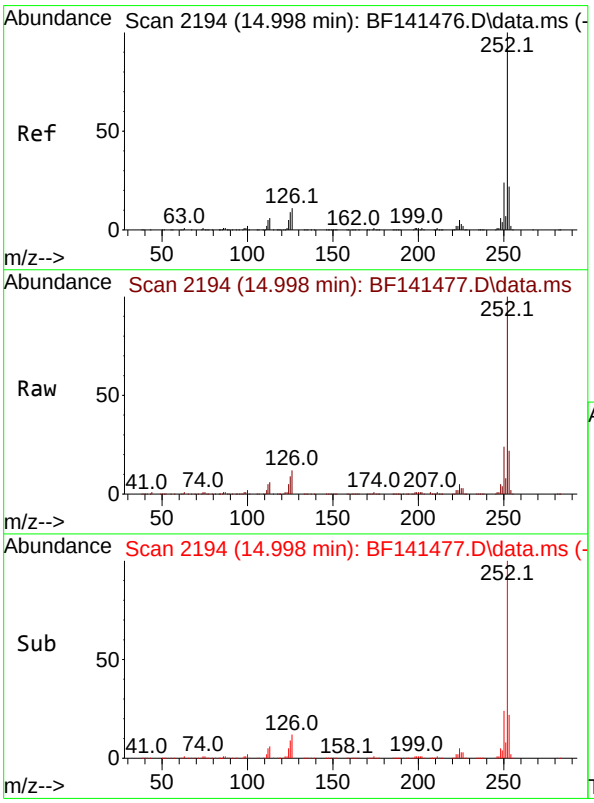
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.277 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 586584

Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.0	27.0
277	25.2	20.4	30.6

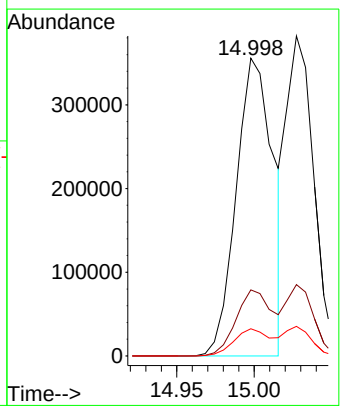


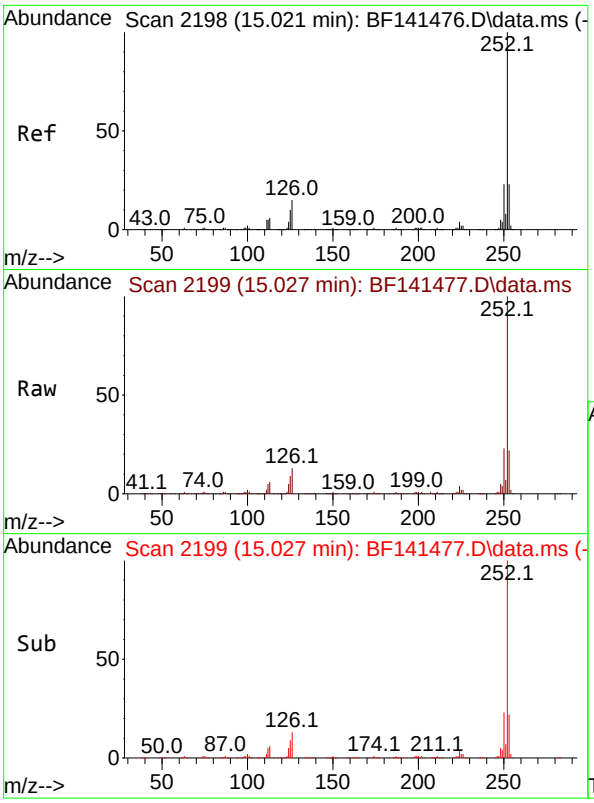


#88
Benzo(b)fluoranthene
Concen: 50.251 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 590149

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.2	7.0	10.6



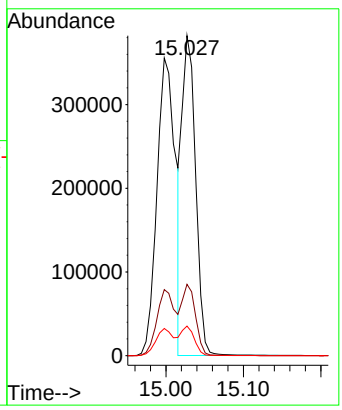


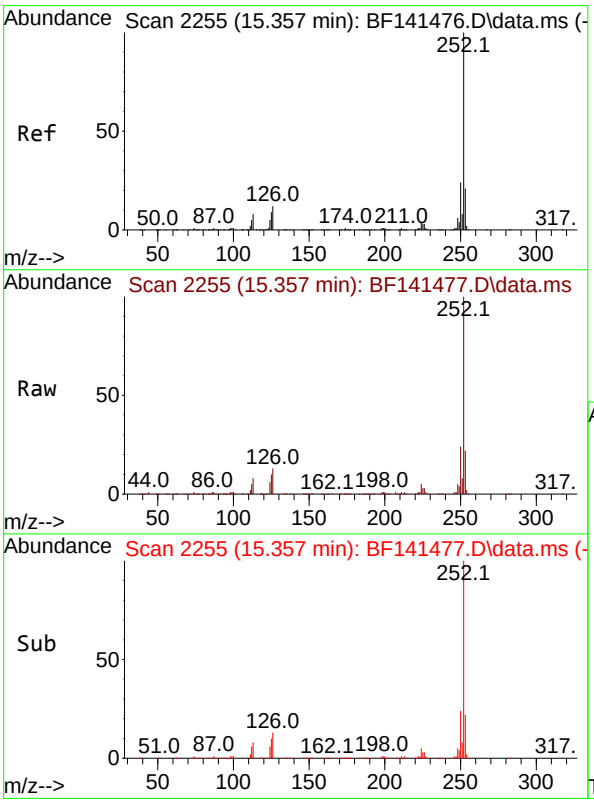
#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 469466

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	9.2	7.4	11.0

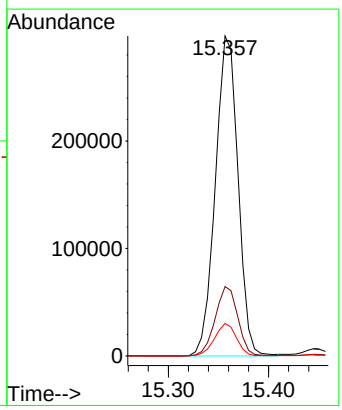


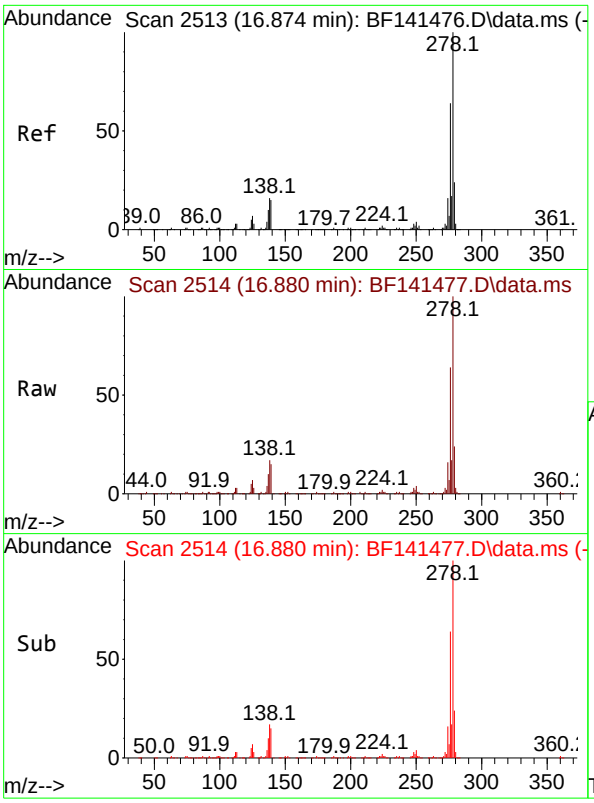


#90
Benzo(a)pyrene
Concen: 49.173 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 467288

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	10.2	7.4	11.2



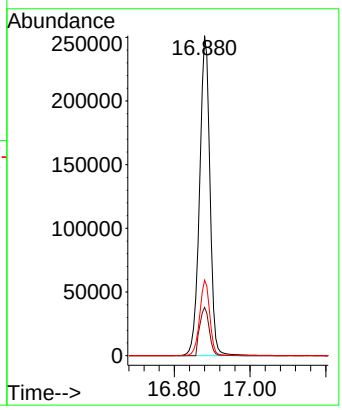


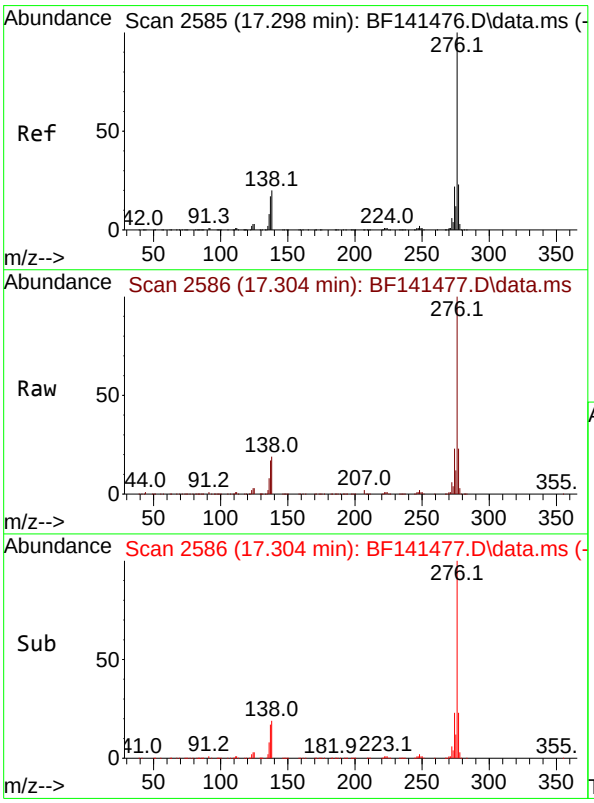
#91
Dibenzo(a,h)anthracene
Concen: 54.503 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 477285

Ion	Ratio	Lower	Upper
278	100		
139	15.1	11.8	17.6
279	23.6	19.1	28.7

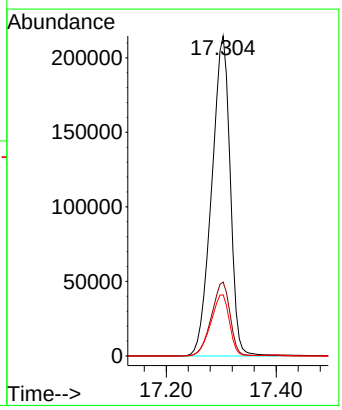




#92
Benzo(g,h,i)perylene
Concen: 54.592 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:276 Resp: 500274

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	19.1	15.9	23.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	88704	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	344609	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	186729	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	321893	20.000	ng	0.00
76) Chrysene-d12	13.962	240	197108	20.000	ng	0.00
86) Perylene-d12	15.415	264	171026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	672709	118.894	ng	0.00
7) Phenol-d6	6.434	99	843410	117.937	ng	0.00
23) Nitrobenzene-d5	7.357	82	788550	119.351	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	225049	119.976	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1410277	116.358	ng	0.00
79) Terphenyl-d14	12.904	244	1459213	124.977	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	138751	60.929	ng	99
3) Pyridine	3.210	79	335519	61.916	ng	99
4) n-Nitrosodimethylamine	3.175	42	225031	62.715	ng	98
6) Aniline	6.457	93	397494	59.254	ng	99
8) 2-Chlorophenol	6.581	128	358027	58.561	ng	97
9) Benzaldehyde	6.339	77	187887	49.441	ng	100
10) Phenol	6.451	94	437528	58.782	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	335957	60.093	ng	99
12) 1,3-Dichlorobenzene	6.734	146	380433	58.941	ng	98
13) 1,4-Dichlorobenzene	6.810	146	382812	58.050	ng	98
14) 1,2-Dichlorobenzene	6.963	146	357837	58.465	ng	99
15) Benzyl Alcohol	6.939	79	324244	59.125	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	553943	57.883	ng	91
17) 2-Methylphenol	7.057	107	283563	59.272	ng	97
18) Hexachloroethane	7.304	117	144816	59.337	ng	96
19) n-Nitroso-di-n-propyla...	7.210	70	250412	58.540	ng	99
20) 3+4-Methylphenols	7.210	107	350980	57.722	ng	92
22) Acetophenone	7.204	105	504294	58.828	ng	99
24) Nitrobenzene	7.381	77	387174	60.096	ng	100
25) Isophorone	7.616	82	638004	60.562	ng	99
26) 2-Nitrophenol	7.692	139	199140	62.128	ng	97
27) 2,4-Dimethylphenol	7.733	122	227803	60.836	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	404195	59.877	ng	100
29) 2,4-Dichlorophenol	7.939	162	301959	59.683	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	328150	59.561	ng	99
31) Naphthalene	8.098	128	1056367	58.889	ng	100
32) Benzoic acid	7.875	122	250995	64.532	ng	99
33) 4-Chloroaniline	8.151	127	376211	60.070	ng	99
34) Hexachlorobutadiene	8.210	225	197955	59.849	ng	99
35) Caprolactam	8.533	113	94415	61.291	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	335897	59.935	ng	99
37) 2-Methylnaphthalene	8.786	142	688021	58.941	ng	99
38) 1-Methylnaphthalene	8.886	142	661628	58.522	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	321763	59.560	ng	99
41) Hexachlorocyclopentadiene	8.939	237	120063	66.819	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	211702	60.632	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

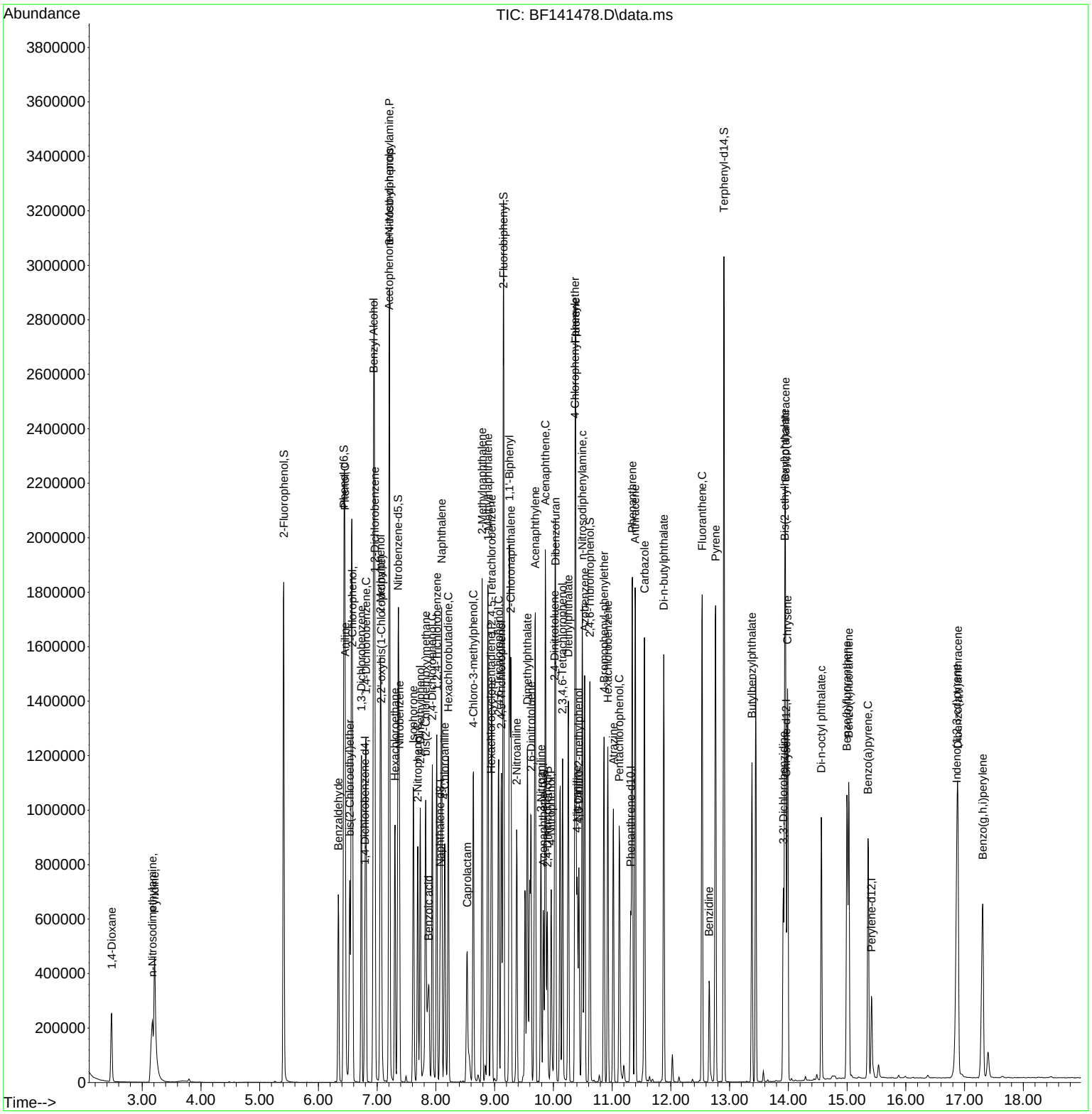
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	229006	60.519	ng	98
46) 1,1'-Biphenyl	9.251	154	861067	59.479	ng	100
47) 2-Chloronaphthalene	9.275	162	636511	59.459	ng	99
48) 2-Nitroaniline	9.375	65	224709	62.547	ng	99
49) Acenaphthylene	9.692	152	946382	59.436	ng	100
50) Dimethylphthalate	9.557	163	751128	59.253	ng	99
51) 2,6-Dinitrotoluene	9.622	165	167387	60.403	ng	100
52) Acenaphthene	9.863	154	631289	58.974	ng	99
53) 3-Nitroaniline	9.792	138	179664	60.237	ng	100
54) 2,4-Dinitrophenol	9.898	184	111060	67.432	ng	96
55) Dibenzofuran	10.039	168	915117	58.242	ng	100
56) 4-Nitrophenol	9.963	139	143994	65.035	ng	97
57) 2,4-Dinitrotoluene	10.022	165	222091	60.202	ng	99
58) Fluorene	10.380	166	707371	58.225	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	198636	60.972	ng	99
60) Diethylphthalate	10.257	149	732804	58.755	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	342324	58.570	ng	98
62) 4-Nitroaniline	10.404	138	182946	60.406	ng	96
63) Azobenzene	10.533	77	739338	59.629	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	140610	62.884	ng	99
66) n-Nitrosodiphenylamine	10.492	169	603914	58.609	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	213385	59.314	ng	98
68) Hexachlorobenzene	10.927	284	220611	59.552	ng	98
69) Atrazine	11.021	200	175824	56.878	ng	99
70) Pentachlorophenol	11.121	266	153971	65.001	ng	100
71) Phenanthrene	11.345	178	1032075	58.248	ng	100
72) Anthracene	11.392	178	1034181	58.062	ng	99
73) Carbazole	11.551	167	927882	57.896	ng	100
74) Di-n-butylphthalate	11.880	149	1087815	58.783	ng	99
75) Fluoranthene	12.533	202	1053887	56.102	ng	100
77) Benzidine	12.651	184	207602	47.757	ng	99
78) Pyrene	12.763	202	1068624	63.687	ng	99
80) Butylbenzylphthalate	13.380	149	368219	63.357	ng	99
81) Benzo(a)anthracene	13.951	228	774318	59.097	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	208826	55.639	ng	98
83) Chrysene	13.986	228	723815	59.829	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	411979	62.851	ng	100
85) Di-n-octyl phthalate	14.562	149	621505	66.464	ng	100
87) Indeno(1,2,3-cd)pyrene	16.868	276	723493	68.464	ng	100
88) Benzo(b)fluoranthene	14.998	252	695617	60.575	ng	99
89) Benzo(k)fluoranthene	15.027	252	563342	57.449	ng	99
90) Benzo(a)pyrene	15.357	252	561457	60.423	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	584115	68.216	ng	99
92) Benzo(g,h,i)perylene	17.309	276	617241	68.884	ng	99

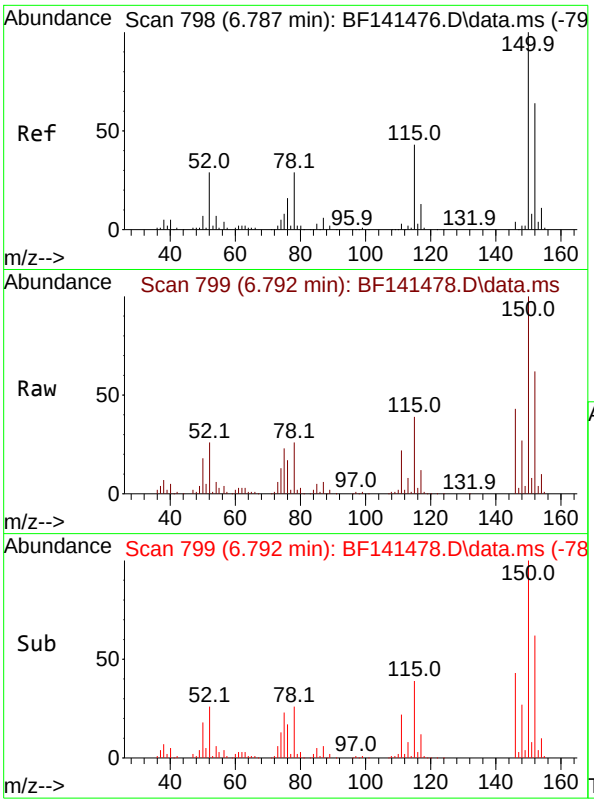
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



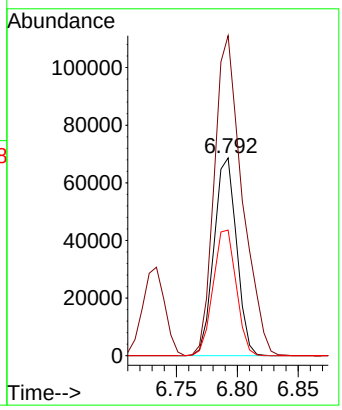


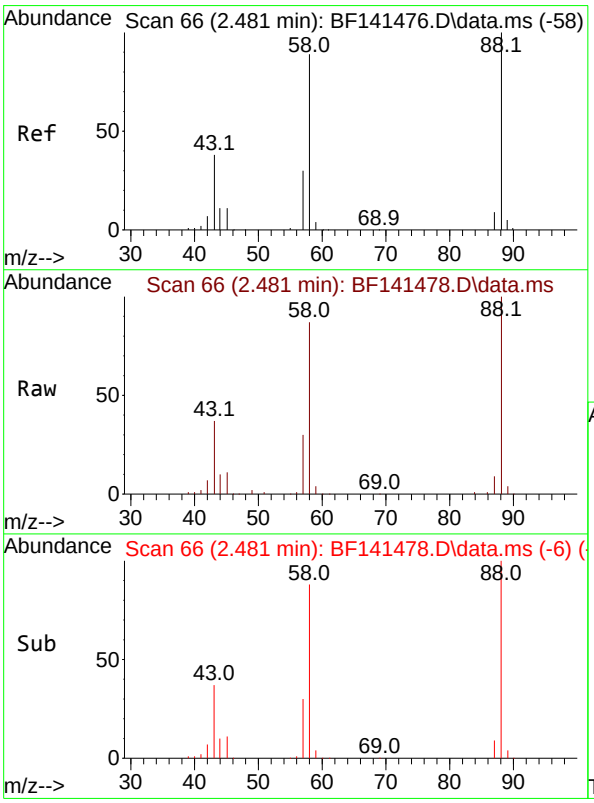
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 88704

Ion	Ratio	Lower	Upper
152	100		
150	161.8	125.0	187.4
115	63.6	53.6	80.4

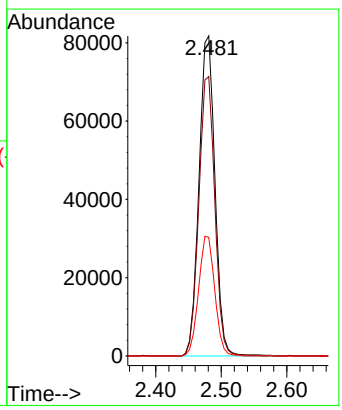


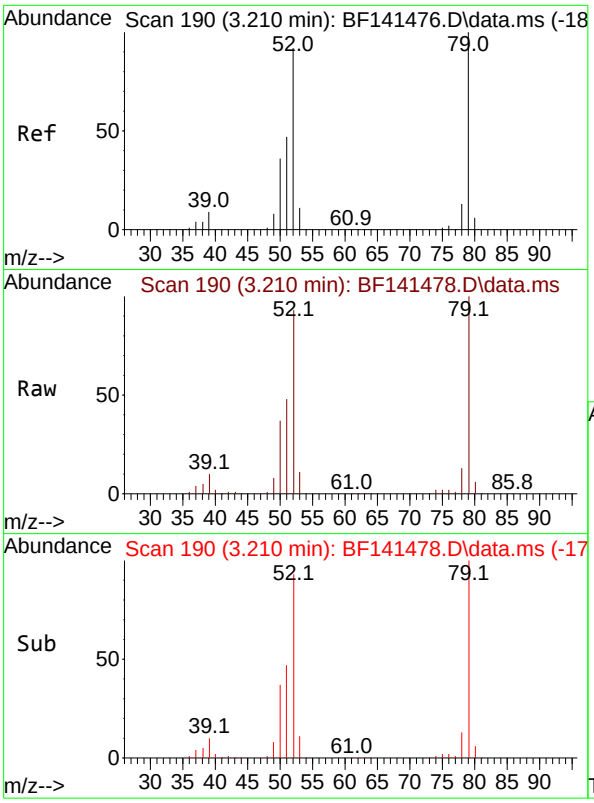


#2
1,4-Dioxane
Concen: 60.929 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 88 Resp: 138751

Ion	Ratio	Lower	Upper
88	100		
58	87.5	71.1	106.7
43	37.9	30.6	46.0



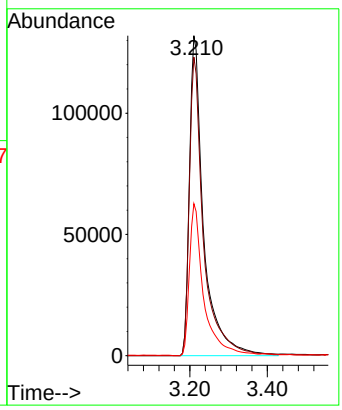


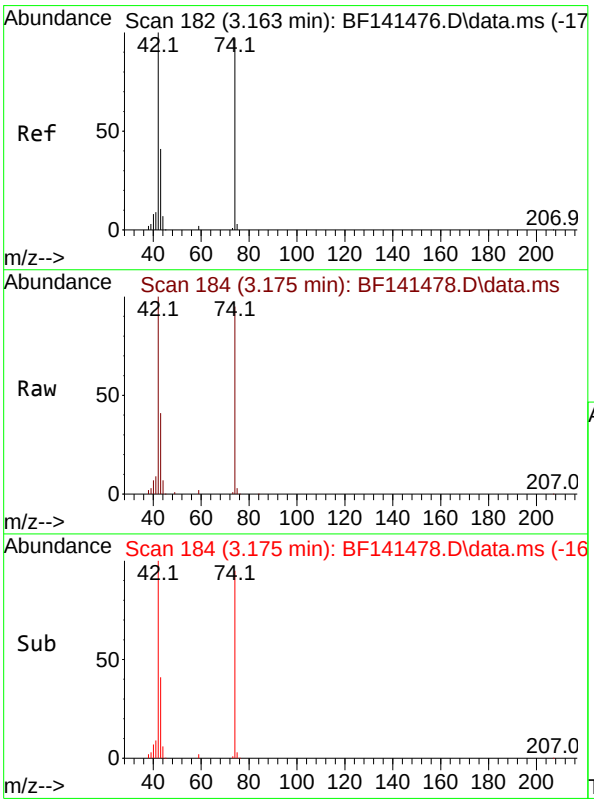
#3
Pyridine
Concen: 61.916 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 335519

Ion	Ratio	Lower	Upper
79	100		
52	93.3	73.7	110.5
51	47.5	37.5	56.3

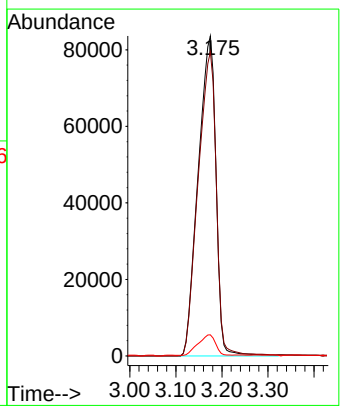


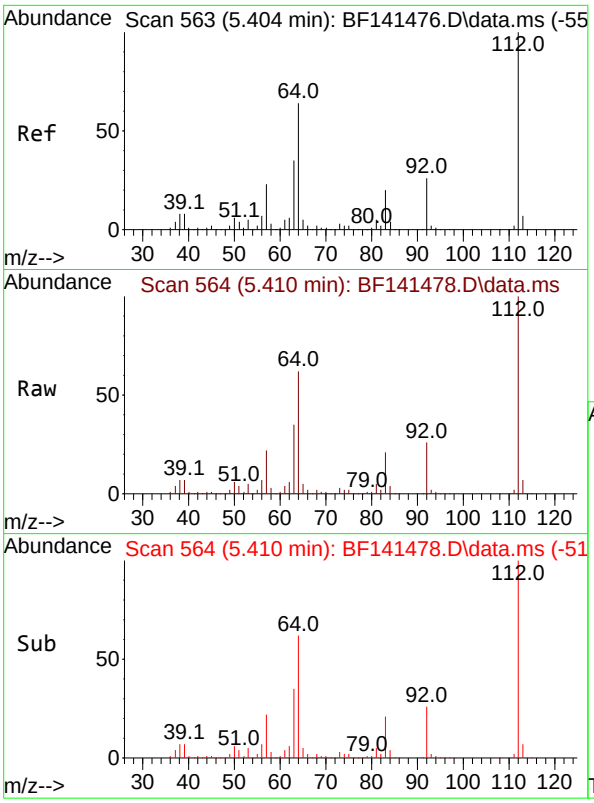


#4
n-Nitrosodimethylamine
Concen: 62.715 ng
RT: 3.175 min Scan# 184
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 42 Resp: 225031

Ion	Ratio	Lower	Upper
42	100		
74	95.0	78.0	117.0
44	6.6	5.4	8.2



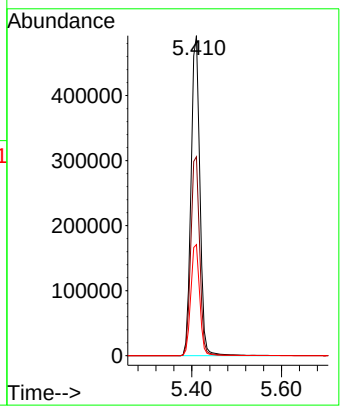


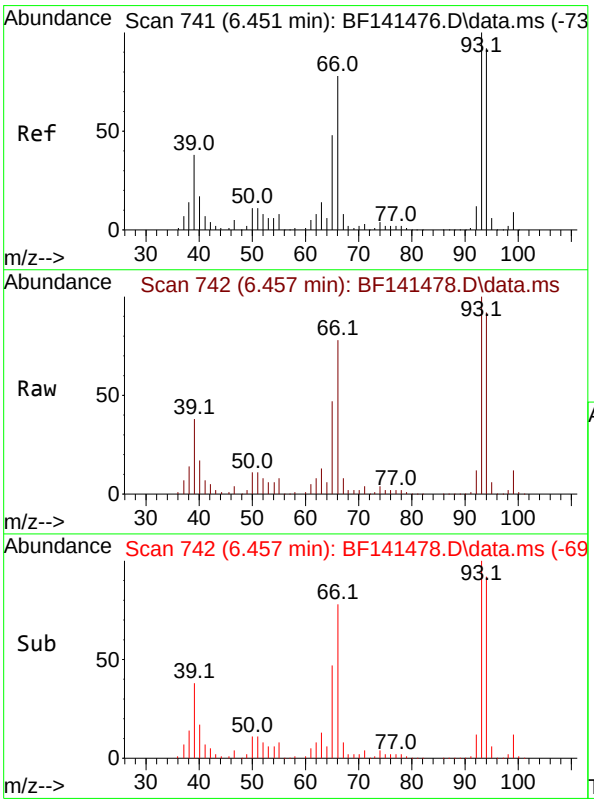
#5
2-Fluorophenol
Concen: 118.894 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 672709

Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.1	76.7
63	34.7	28.4	42.6

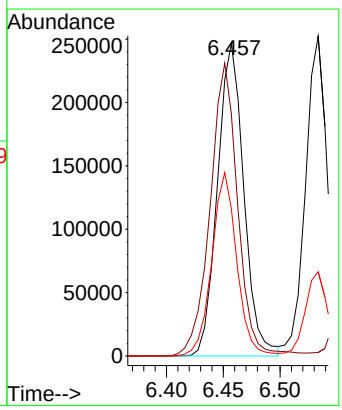


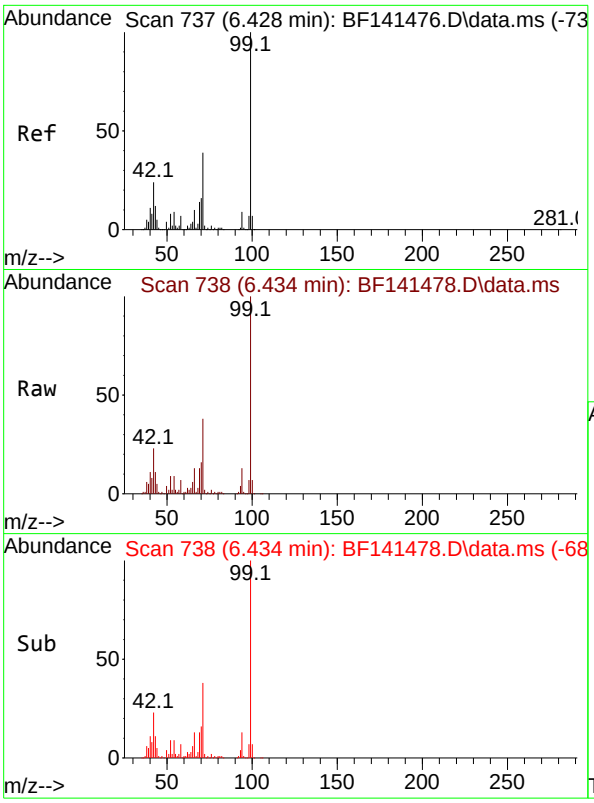


#6
Aniline
Concen: 59.254 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 93 Resp: 397494

Ion	Ratio	Lower	Upper
93	100		
66	77.6	62.6	94.0
65	47.2	38.3	57.5



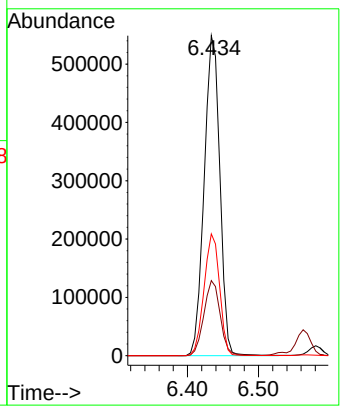


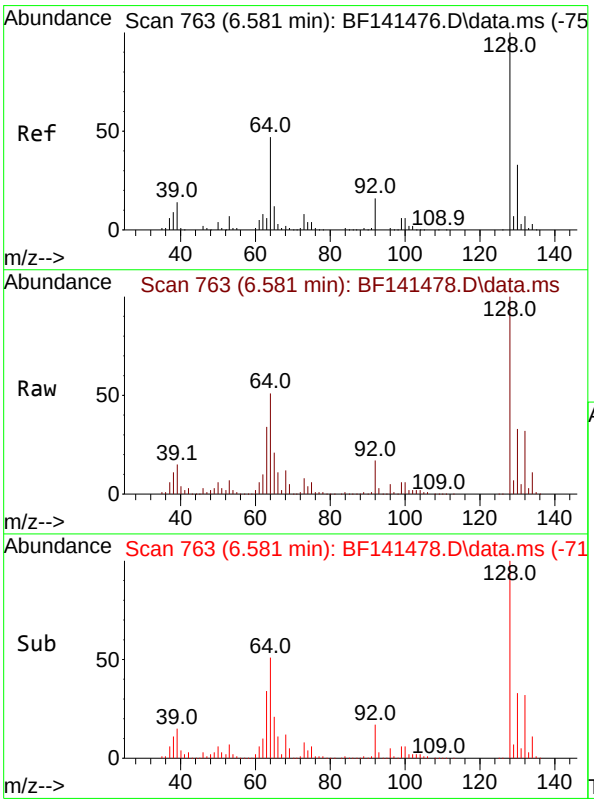
#7
Phenol-d6
Concen: 117.937 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 843410

Ion	Ratio	Lower	Upper
99	100		
42	23.5	19.1	28.7
71	38.0	31.1	46.7

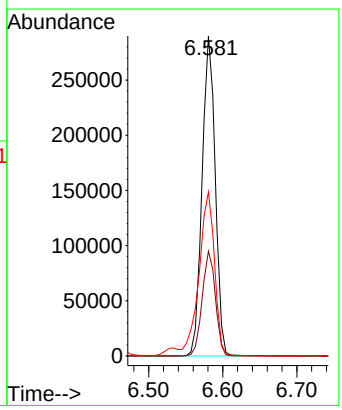


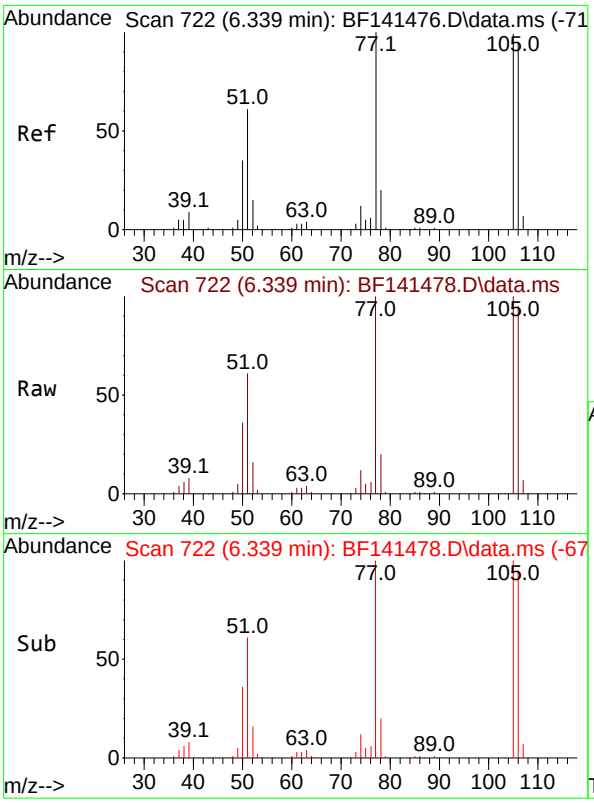


#8
2-Chlorophenol
Concen: 58.561 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:128 Resp: 358027

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	51.3	28.3	68.3



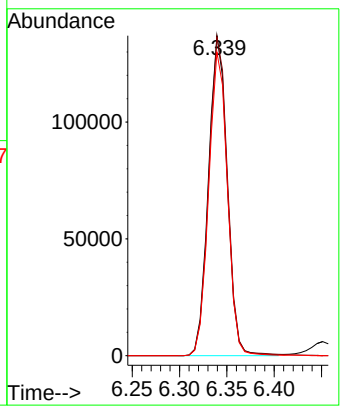


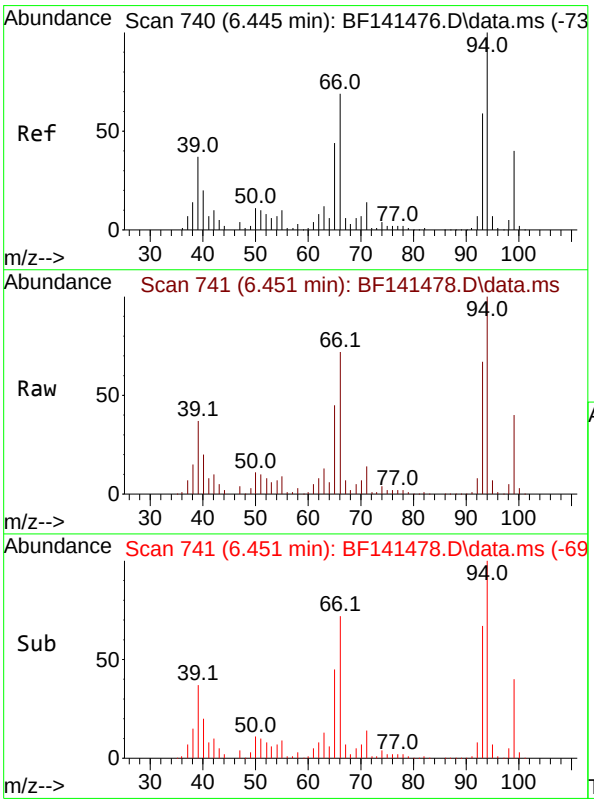
#9
Benzaldehyde
Concen: 49.441 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 187887

Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.9	75.1	115.1

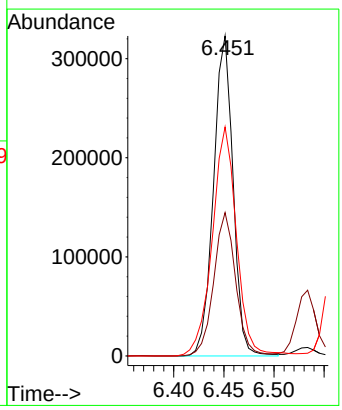


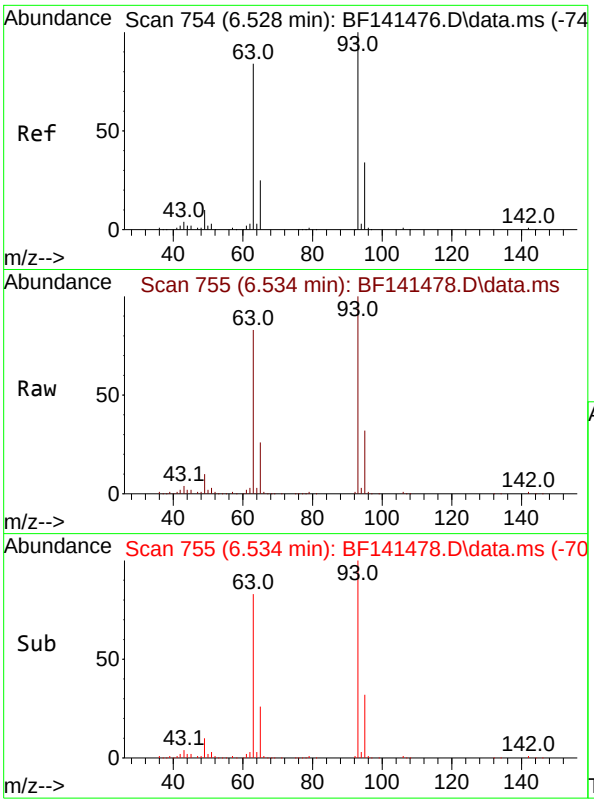


#10
Phenol
Concen: 58.782 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 94 Resp: 437528

Ion	Ratio	Lower	Upper
94	100		
65	44.8	23.7	63.7
66	71.5	49.3	89.3



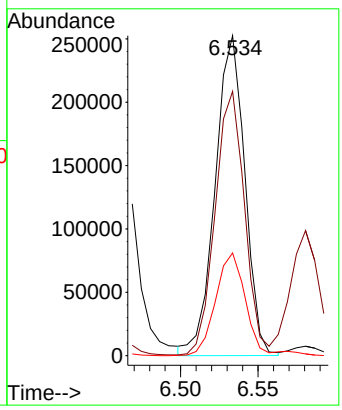


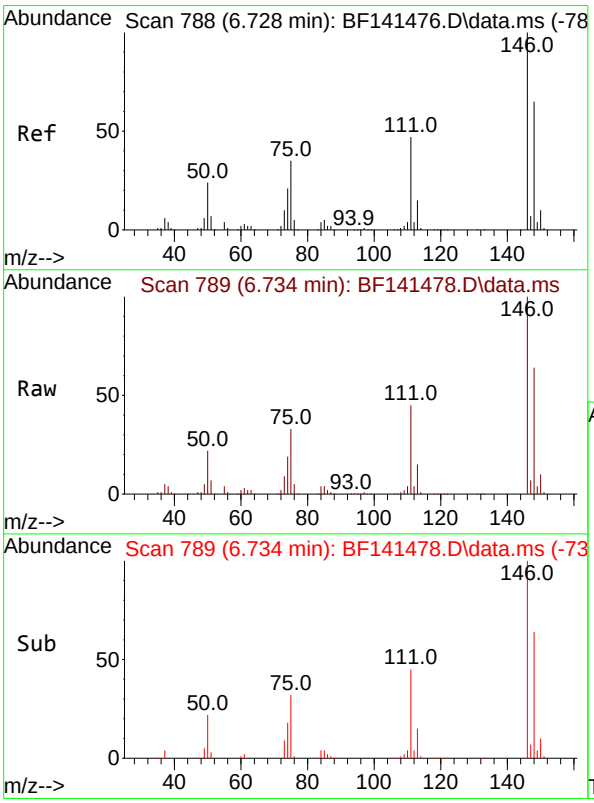
#11
bis(2-Chloroethyl)ether
Concen: 60.093 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 335957

Ion	Ratio	Lower	Upper
93	100		
63	82.6	62.0	102.0
95	32.1	12.6	52.6

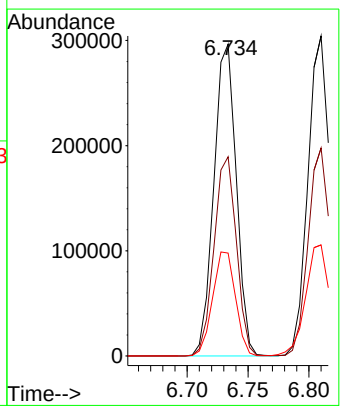


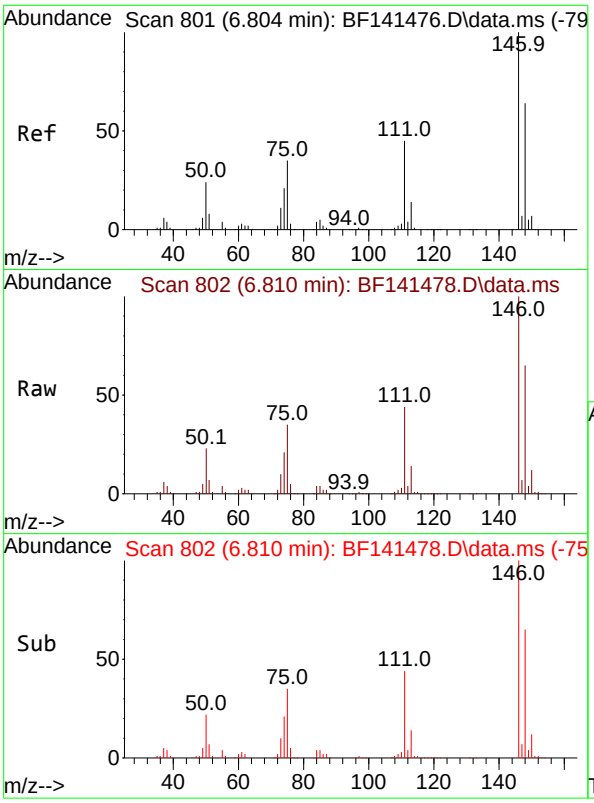


#12
1,3-Dichlorobenzene
Concen: 58.941 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:146 Resp: 380433

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
75	33.0	28.2	42.2



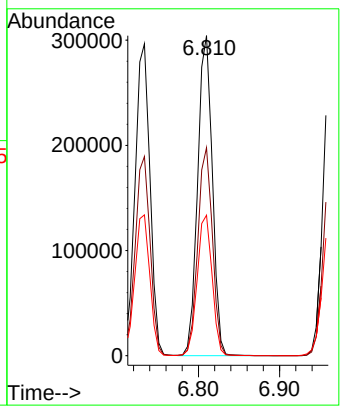


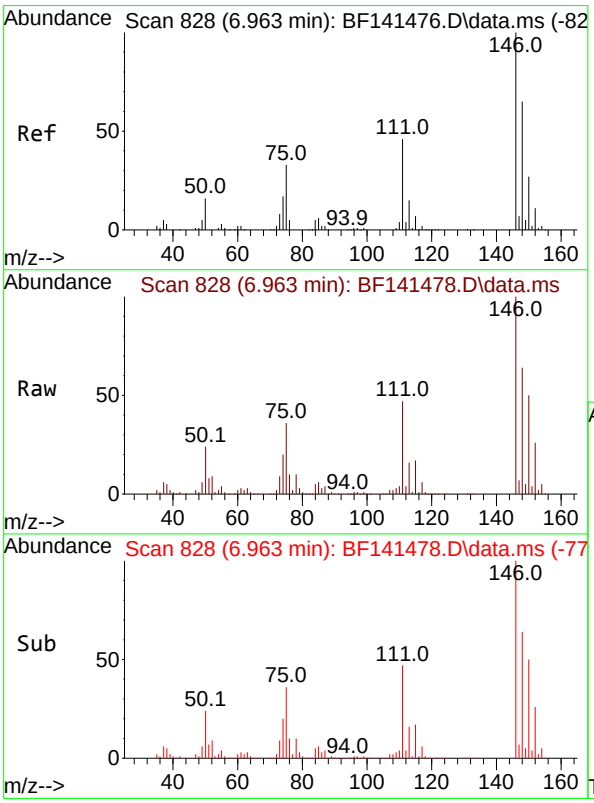
#13
1,4-Dichlorobenzene
Concen: 58.050 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 382812

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.9	76.3
111	43.9	35.9	53.9

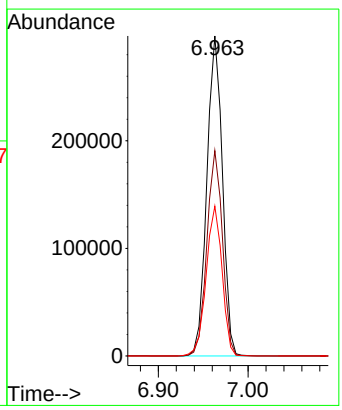


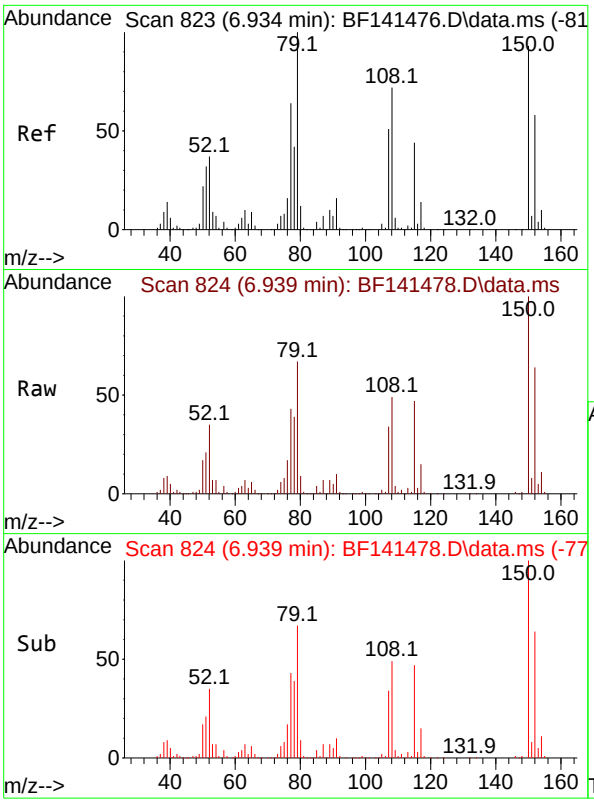


#14
1,2-Dichlorobenzene
Concen: 58.465 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:146 Resp: 357837

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
111	46.8	37.0	55.4



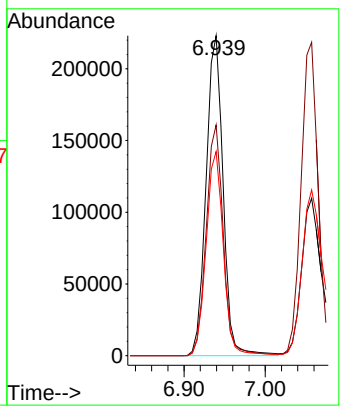


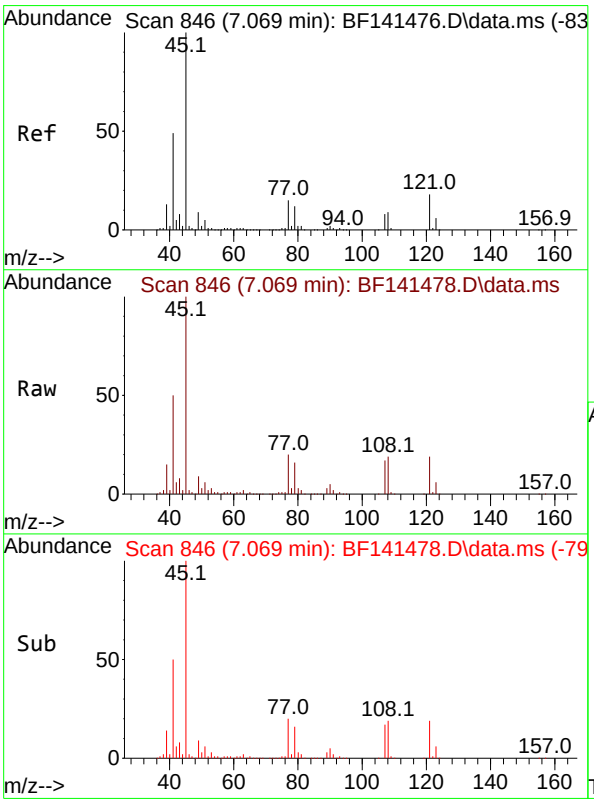
#15
Benzyl Alcohol
Concen: 59.125 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 324244

Ion	Ratio	Lower	Upper
79	100		
108	72.1	57.4	86.2
77	63.8	50.9	76.3

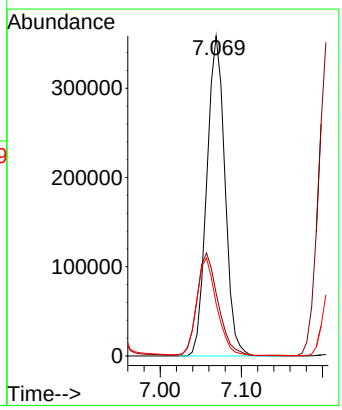


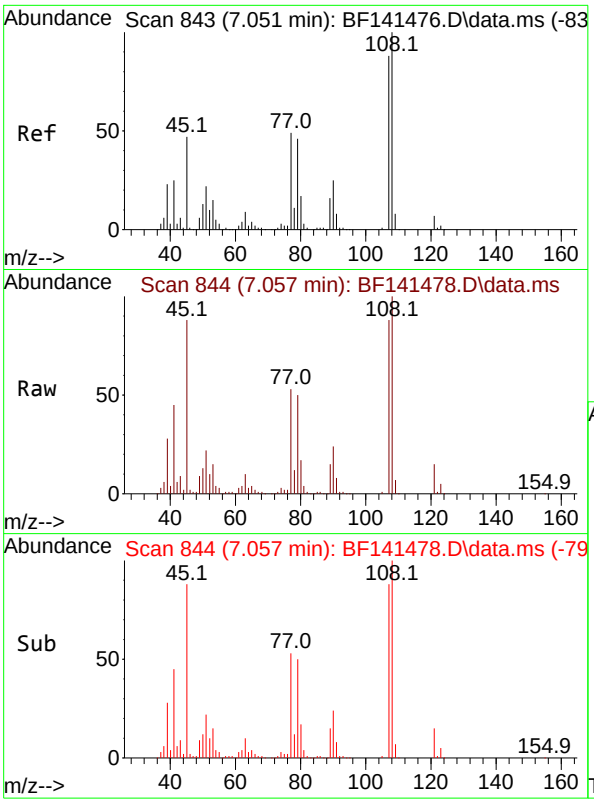


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.883 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 45 Resp: 553943

Ion	Ratio	Lower	Upper
45	100		
77	19.6	0.0	35.8
79	16.3	0.0	32.7



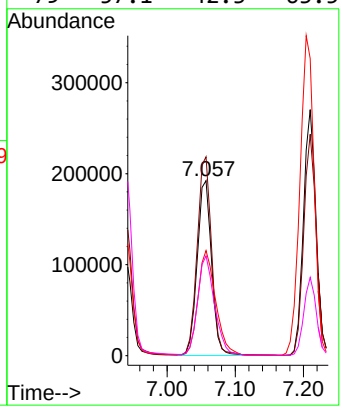


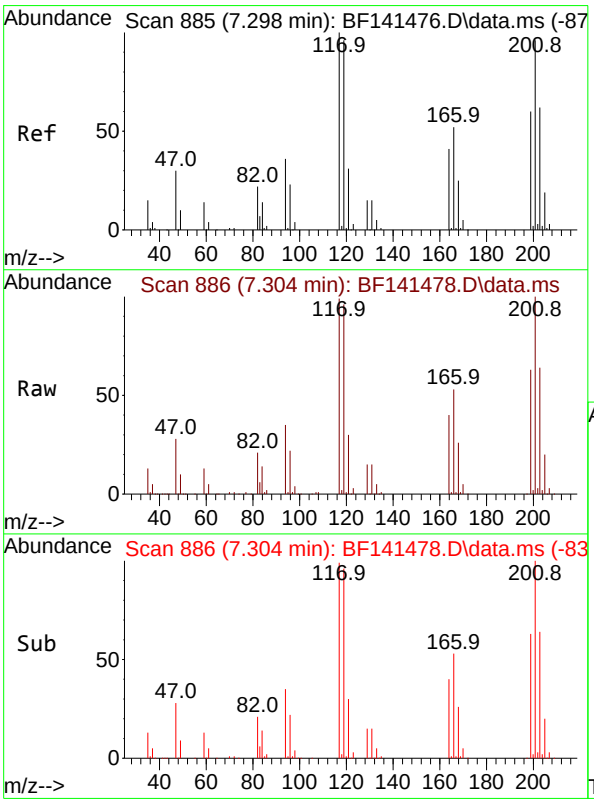
#17
2-Methylphenol
Concen: 59.272 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 283563

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.6	136.0
77	60.1	44.4	66.6
79	57.1	42.3	63.5

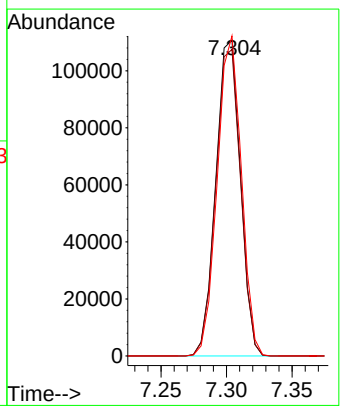


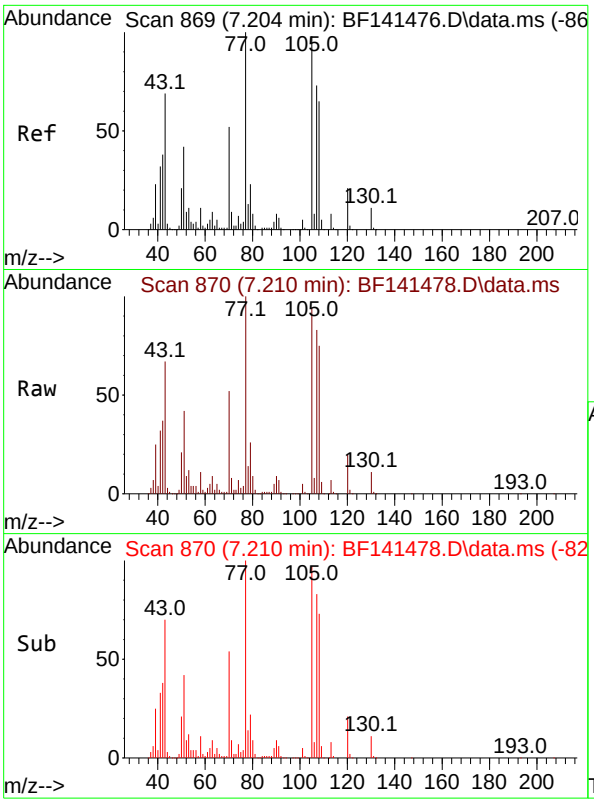


#18
Hexachloroethane
Concen: 59.337 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:117 Resp: 144816

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.5	114.7
201	101.4	76.7	115.1



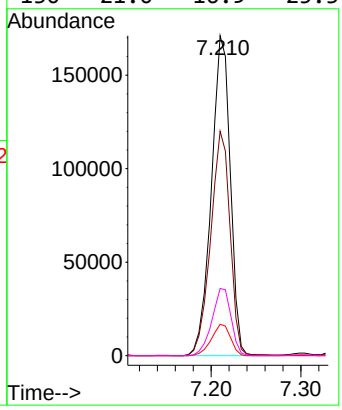


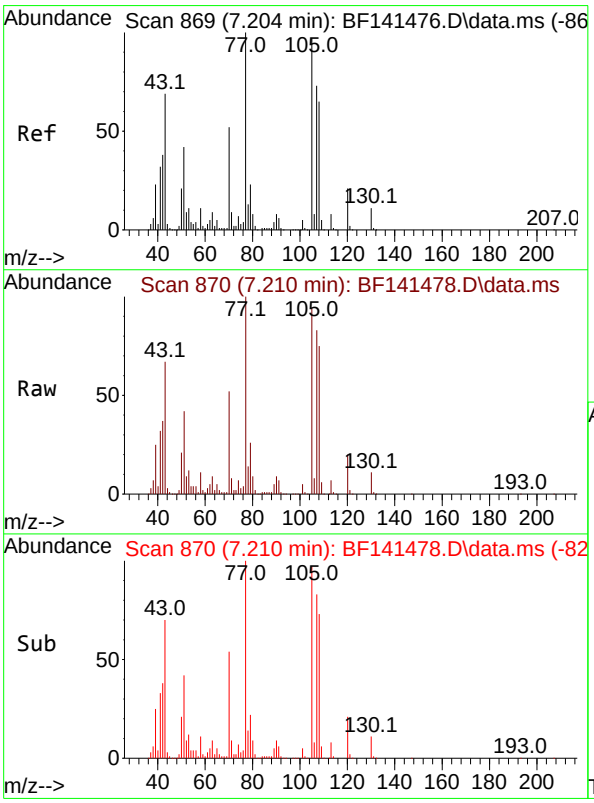
#19
n-Nitroso-di-n-propylamine
Concen: 58.540 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 250412

Ion	Ratio	Lower	Upper
70	100		
42	70.1	57.4	86.2
101	9.8	8.0	12.0
130	21.0	16.9	25.3

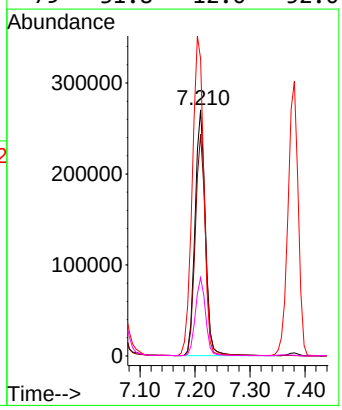


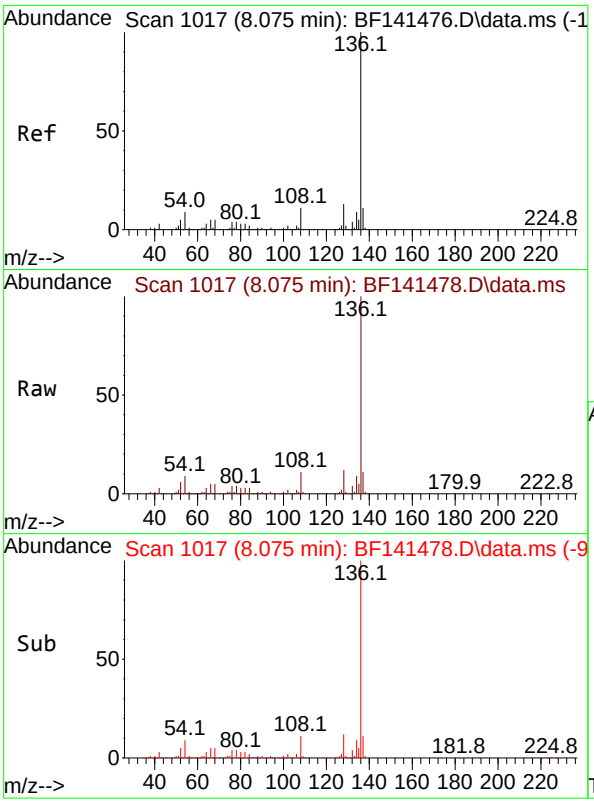


#20
3+4-Methylphenols
Concen: 57.722 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:107 Resp: 350980

Ion	Ratio	Lower	Upper
107	100		
108	90.0	68.5	108.5
77	120.7	116.5	156.5
79	31.8	12.0	52.0



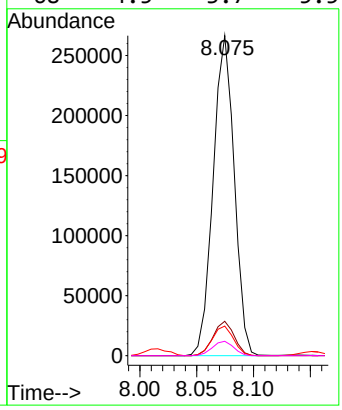


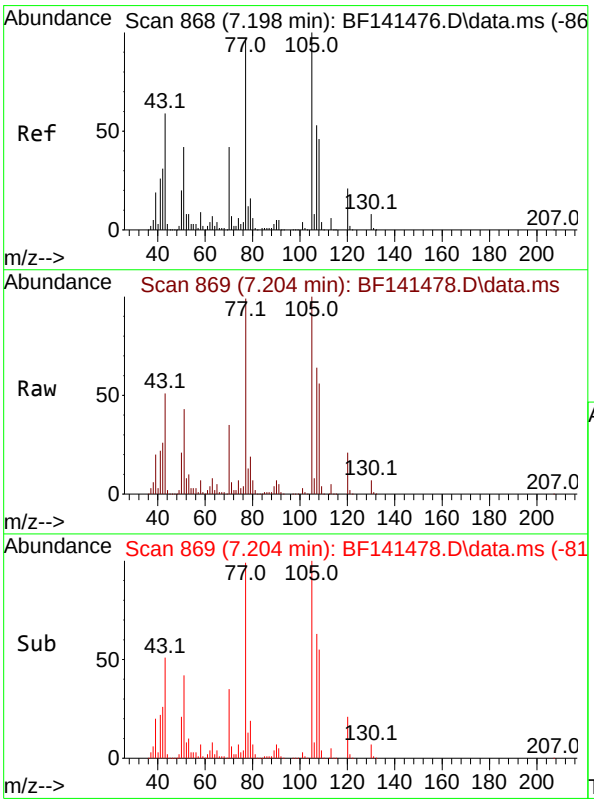
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 344609

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	7.2	10.8
68	4.5	3.7	5.5

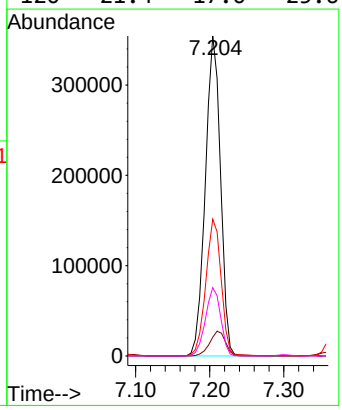


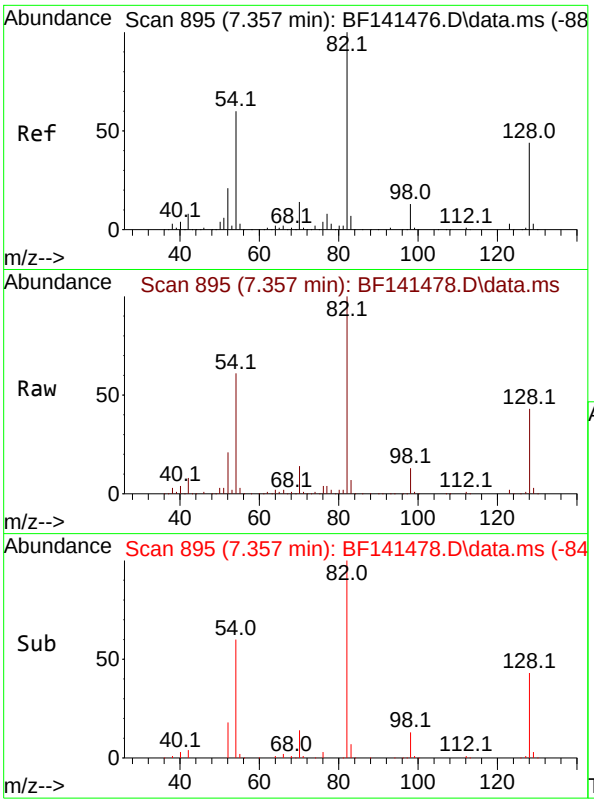


#22
Acetophenone
Concen: 58.828 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:105 Resp: 504294

Ion	Ratio	Lower	Upper
105	100		
71	5.9	5.7	8.5
51	42.7	33.7	50.5
120	21.4	17.0	25.6



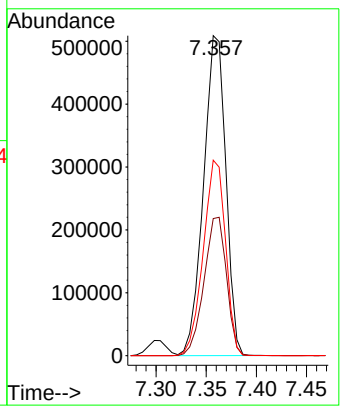


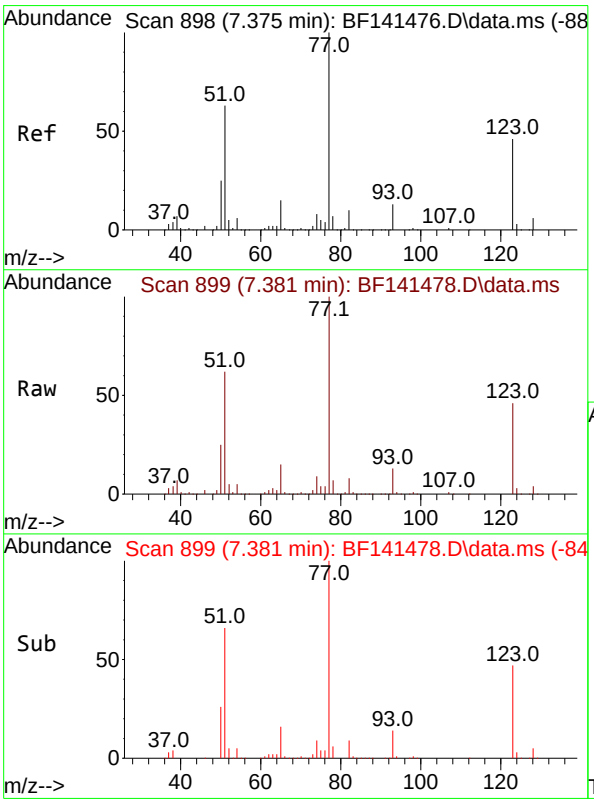
#23
Nitrobenzene-d5
Concen: 119.351 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 788550

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	61.1	48.2	72.4

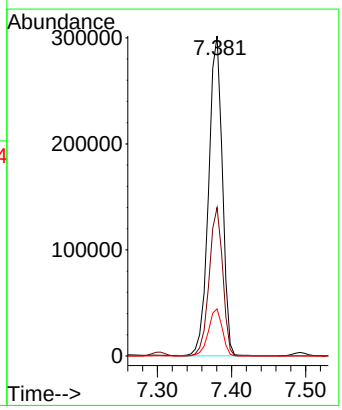


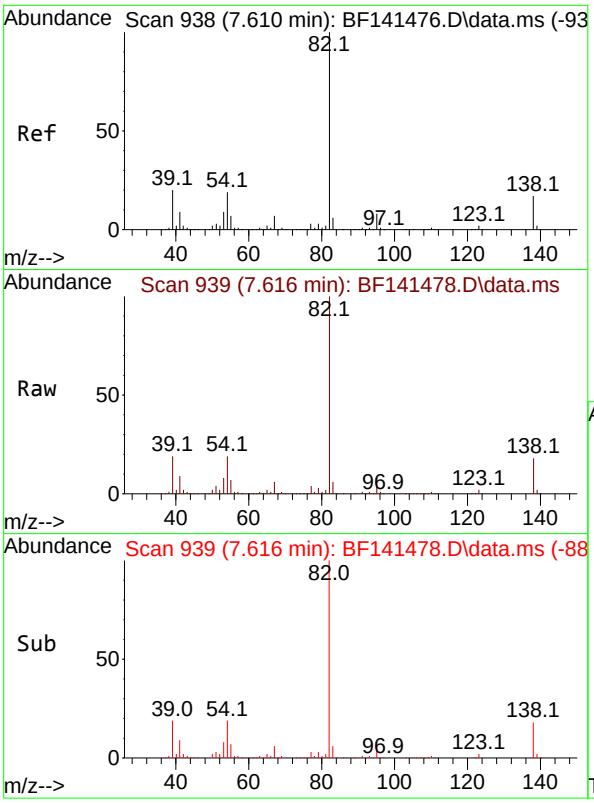


#24
Nitrobenzene
Concen: 60.096 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 77 Resp: 387174

Ion	Ratio	Lower	Upper
77	100		
123	46.4	36.9	55.3
65	14.7	11.9	17.9



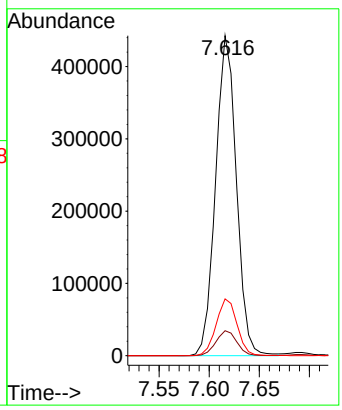


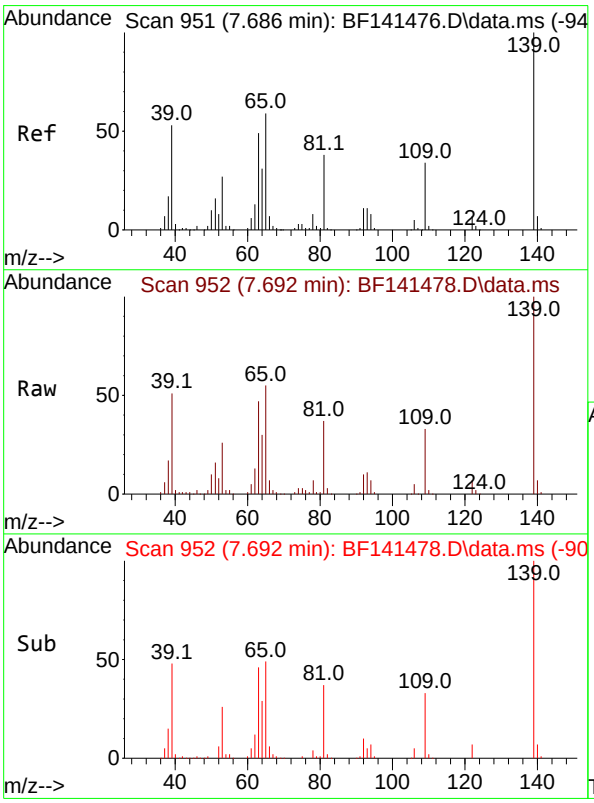
#25
Isophorone
Concen: 60.562 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 638004

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.7	13.9	20.9

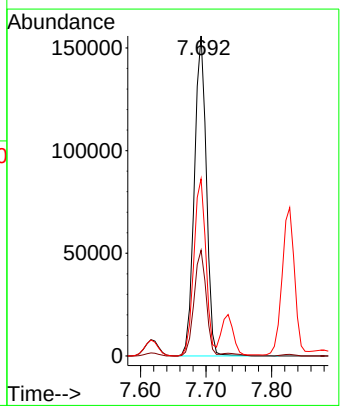


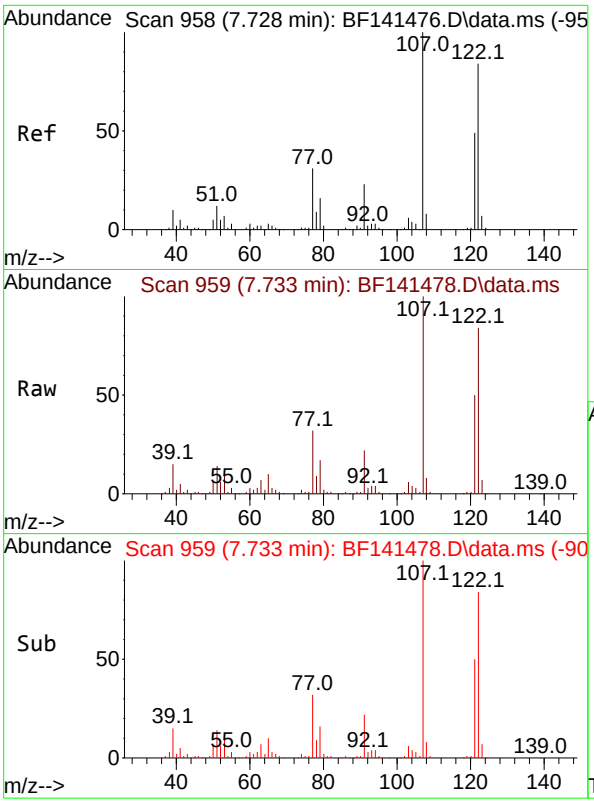


#26
2-Nitrophenol
Concen: 62.128 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:139 Resp: 199140

Ion	Ratio	Lower	Upper
139	100		
109	33.1	27.0	40.6
65	55.3	47.1	70.7



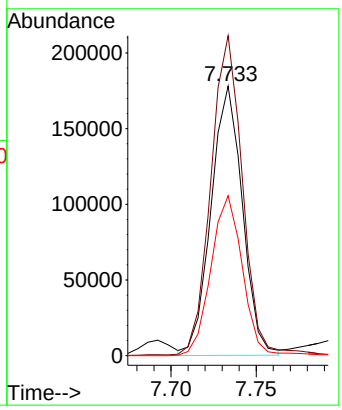


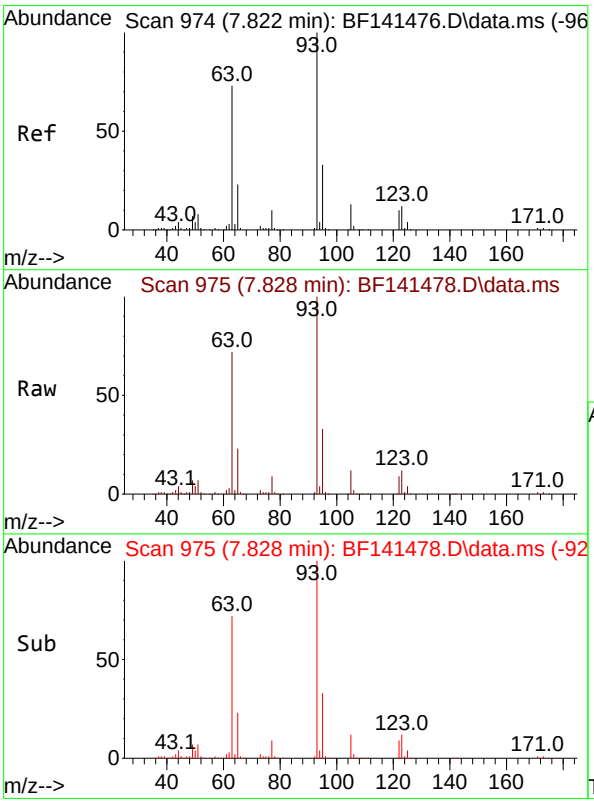
#27
2,4-Dimethylphenol
Concen: 60.836 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 227803

Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	59.4	46.0	69.0

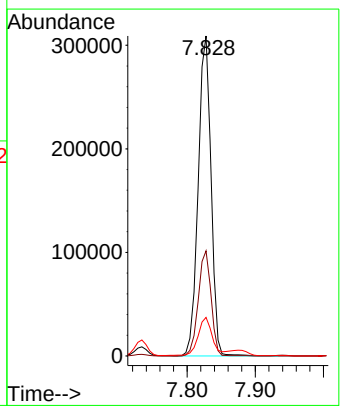


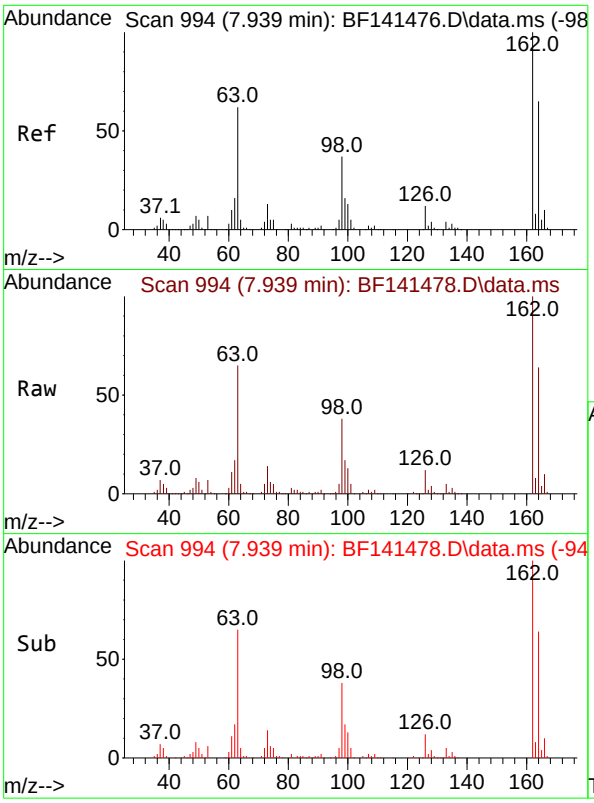


#28
bis(2-Chloroethoxy)methane
Concen: 59.877 ng
RT: 7.828 min Scan# 975
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 93 Resp: 404195

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	12.1	9.5	14.3



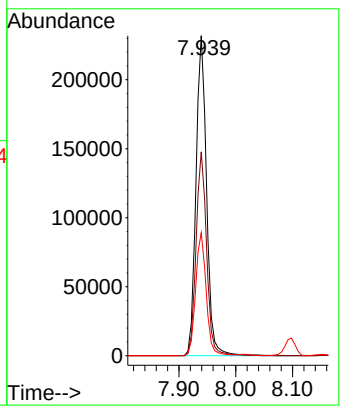


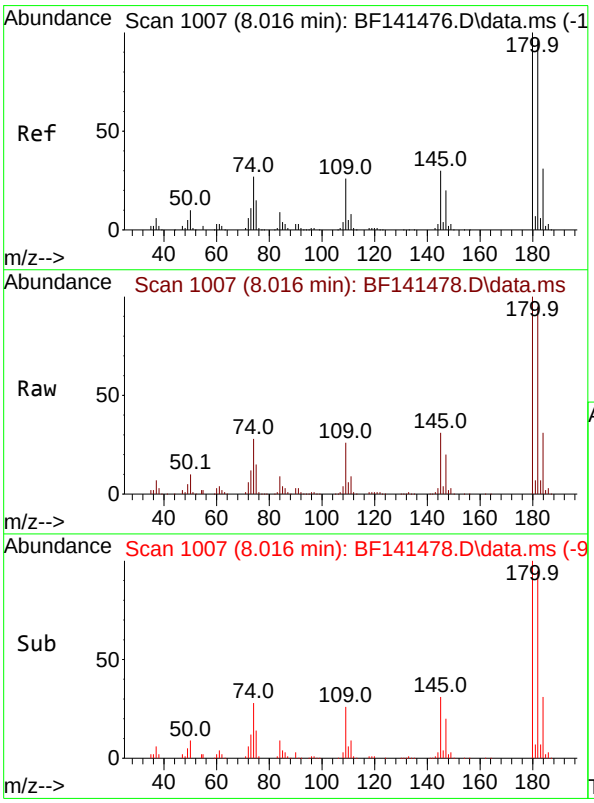
#29
2,4-Dichlorophenol
Concen: 59.683 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 301959

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.6	84.6
98	38.4	17.2	57.2

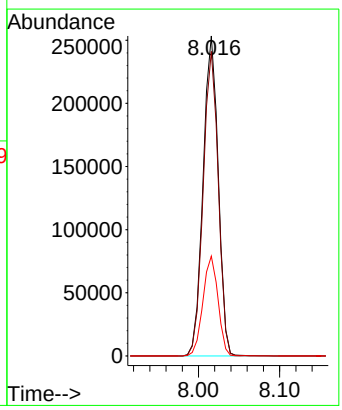


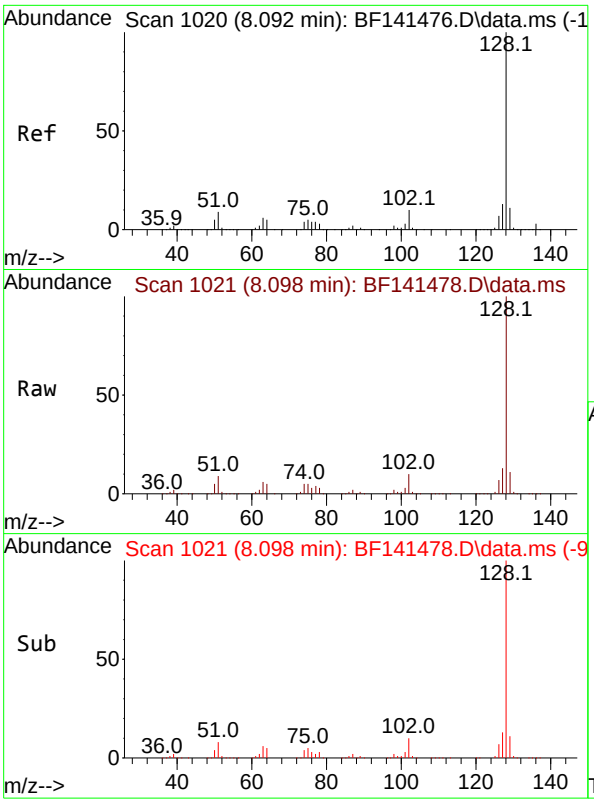


#30
1,2,4-Trichlorobenzene
Concen: 59.561 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:180 Resp: 328150

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
145	31.2	24.2	36.4



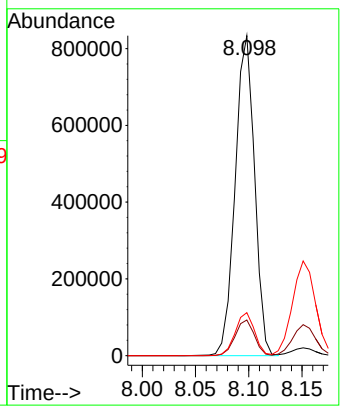


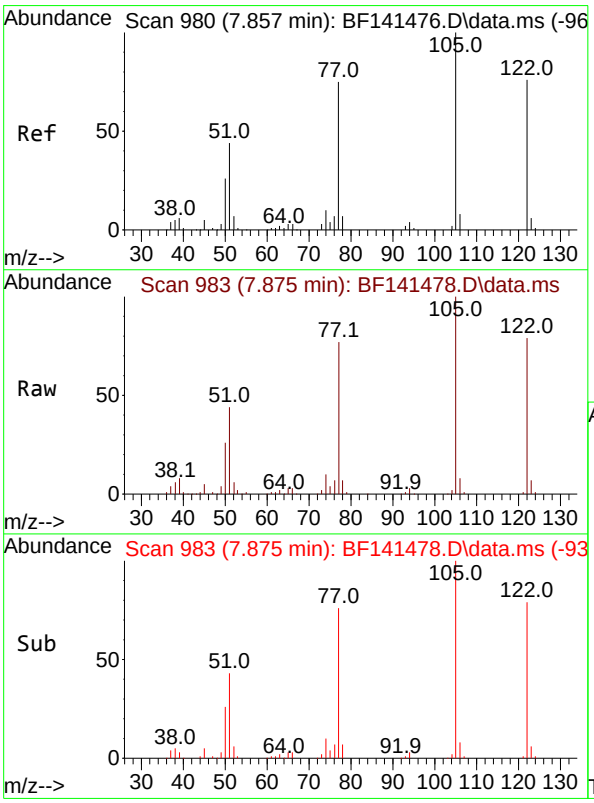
#31
Naphthalene
Concen: 58.889 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1056367

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

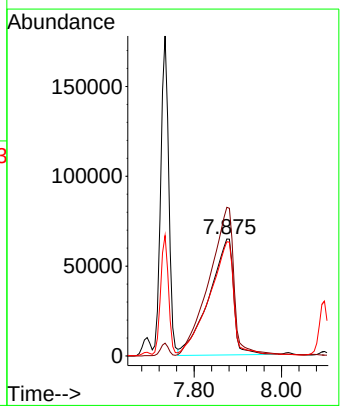


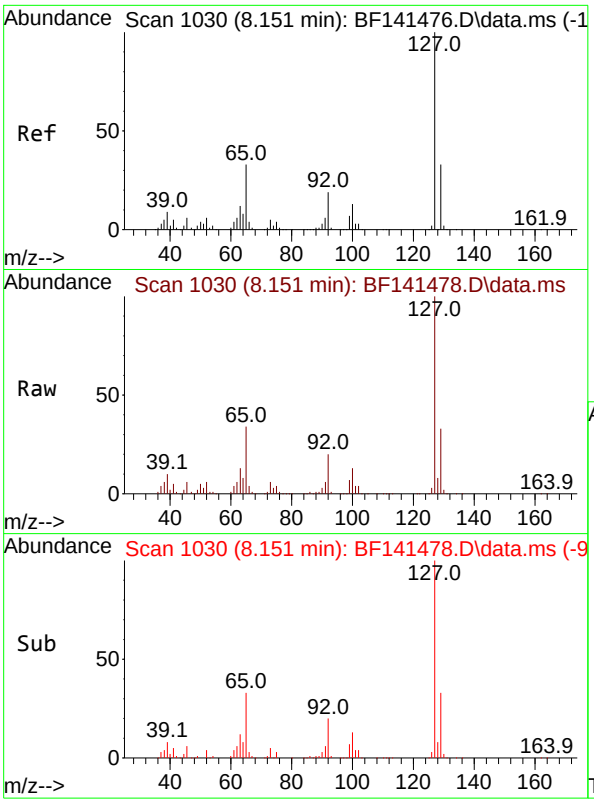


#32
Benzoic acid
Concen: 64.532 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.017 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:122 Resp: 250995

Ion	Ratio	Lower	Upper
122	100		
105	127.0	106.5	146.5
77	97.7	76.3	116.3



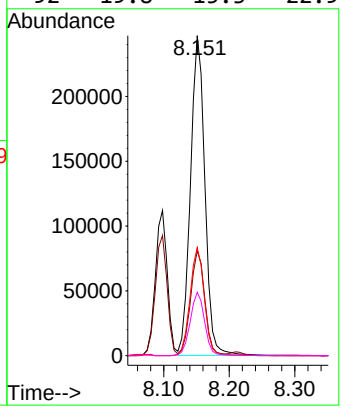


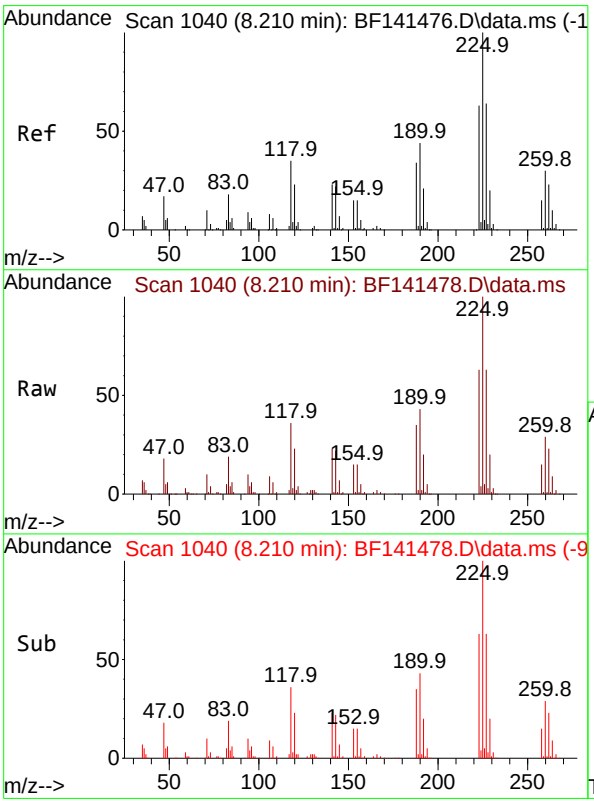
#33
4-Chloroaniline
Concen: 60.070 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 376211

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.5	39.7
65	33.8	26.4	39.6
92	19.8	15.3	22.9

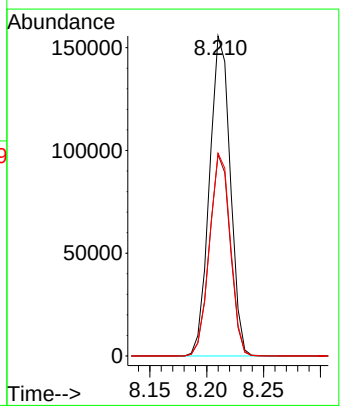


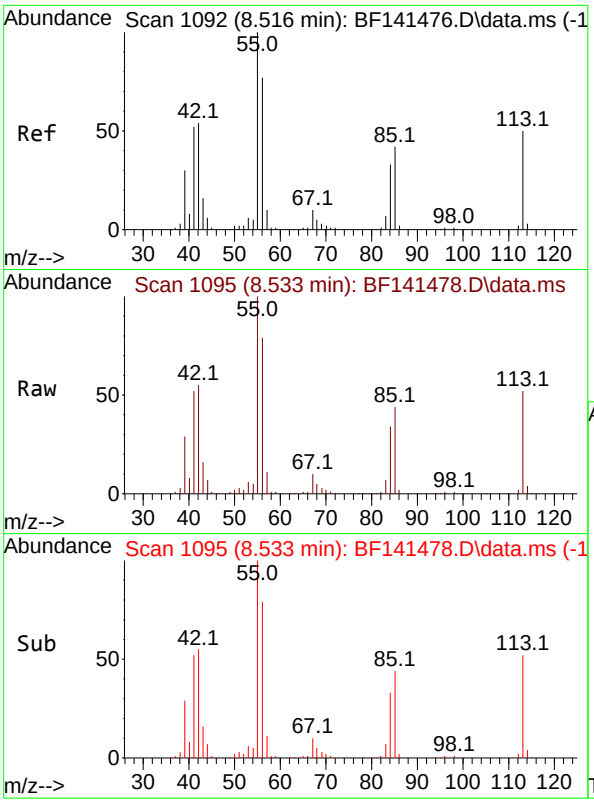


#34
Hexachlorobutadiene
Concen: 59.849 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:225 Resp: 197955

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.4	51.0	76.6



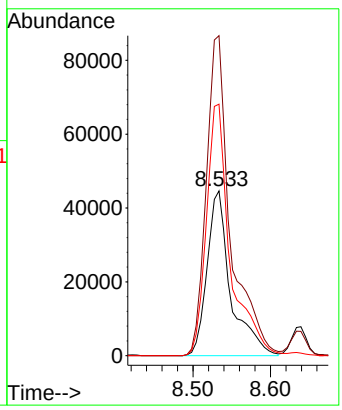


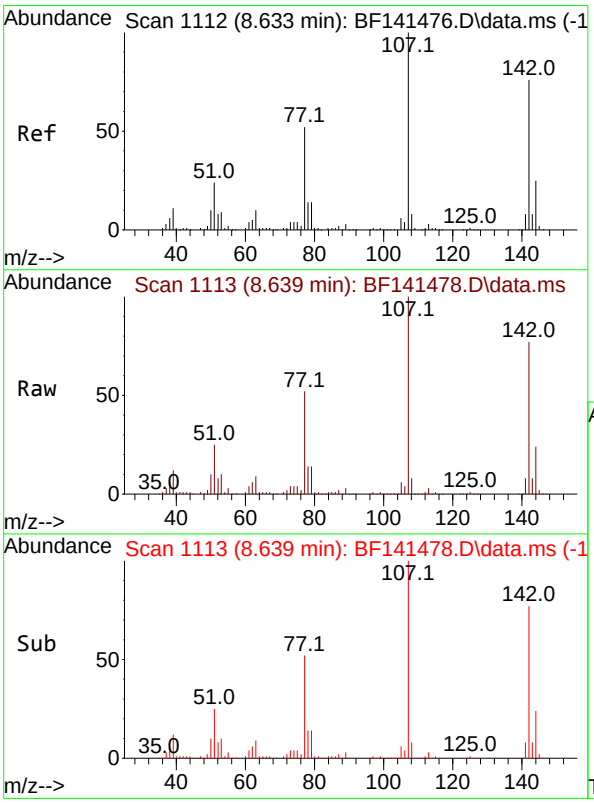
#35
Caprolactam
Concen: 61.291 ng
RT: 8.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 94415

Ion	Ratio	Lower	Upper
113	100		
55	194.1	180.8	220.8
56	152.5	133.6	173.6

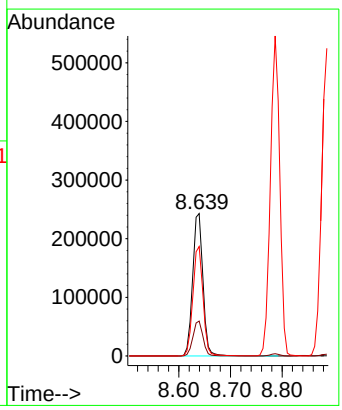


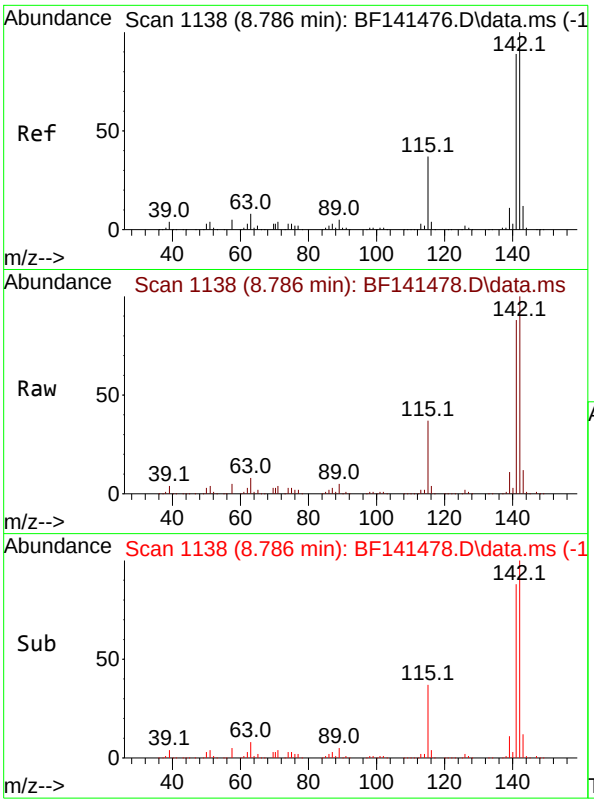


#36
4-Chloro-3-methylphenol
Concen: 59.935 ng
RT: 8.639 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:107 Resp: 335897

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.7	29.5
142	76.8	60.8	91.2



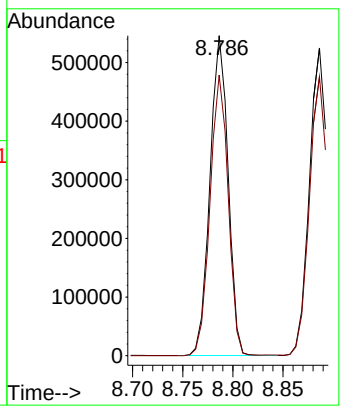


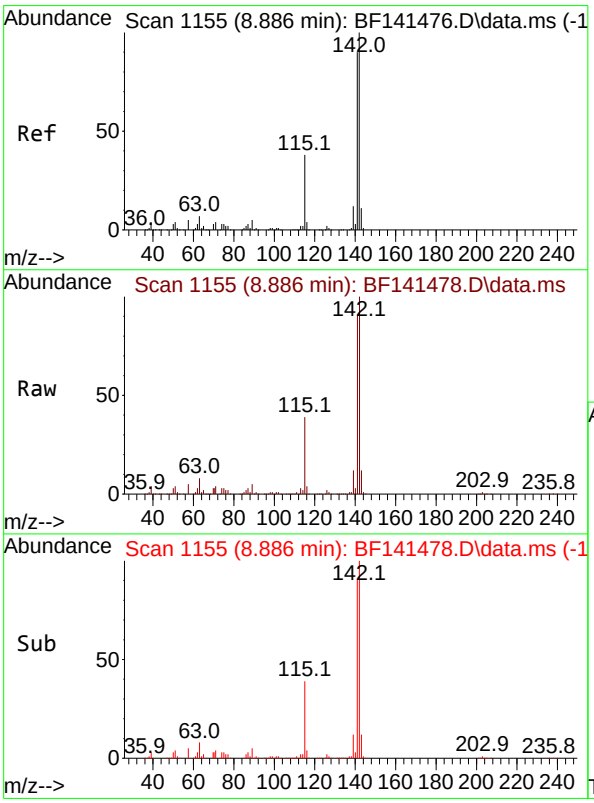
#37
2-Methylnaphthalene
Concen: 58.941 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 688021

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.2	106.8

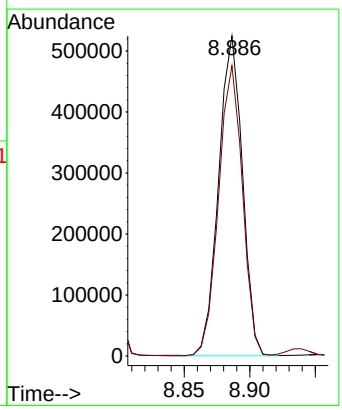


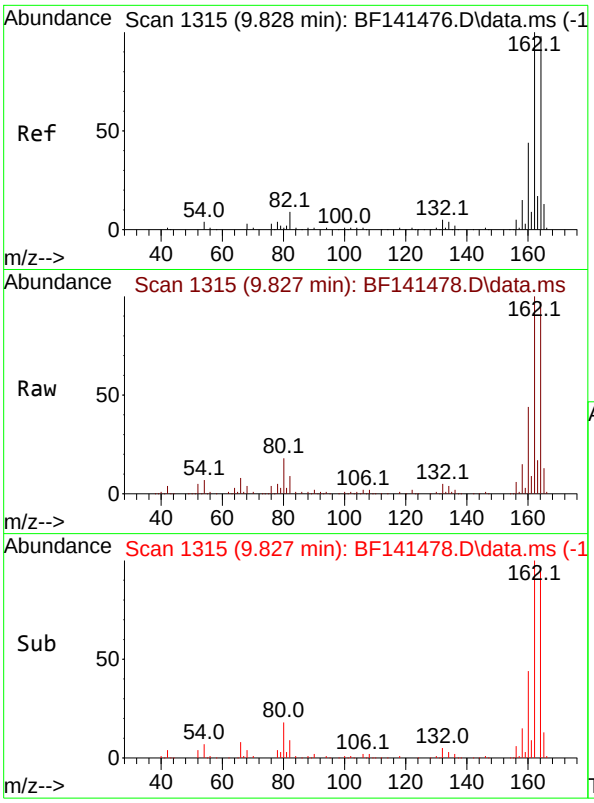


#38
1-Methylnaphthalene
Concen: 58.522 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:142 Resp: 661628

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.1	108.1



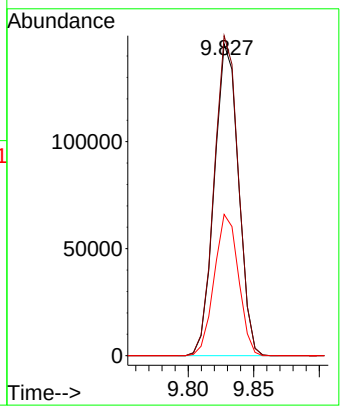


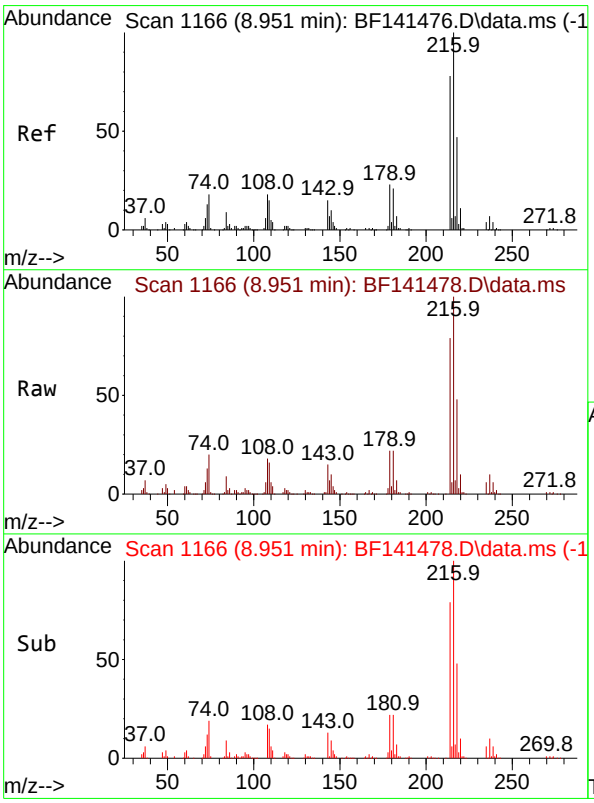
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 186729

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.3	121.9
160	45.3	35.9	53.9

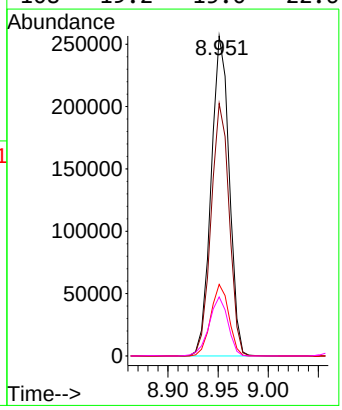


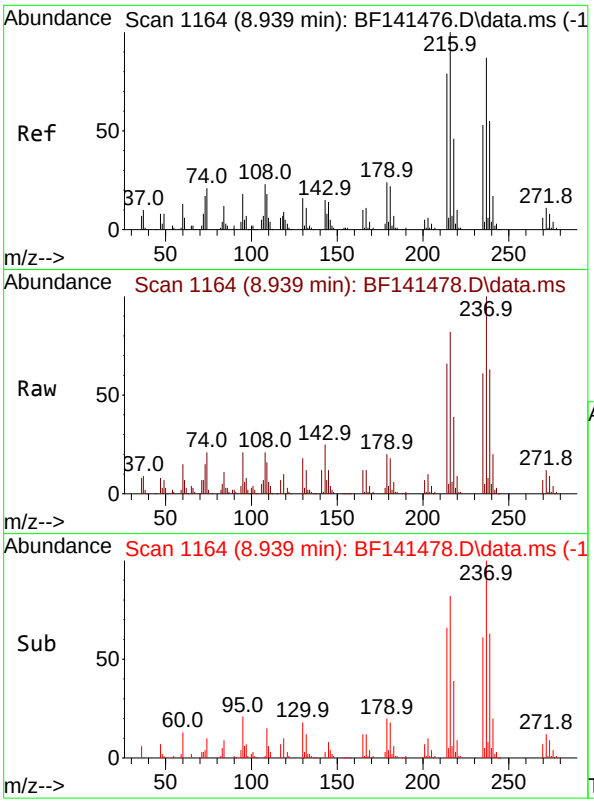


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.560 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:216 Resp: 321763

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.3	93.5
179	22.3	18.0	27.0
108	19.2	15.0	22.6



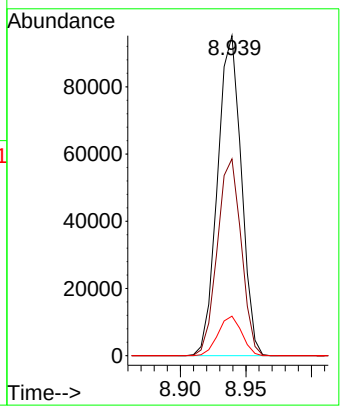


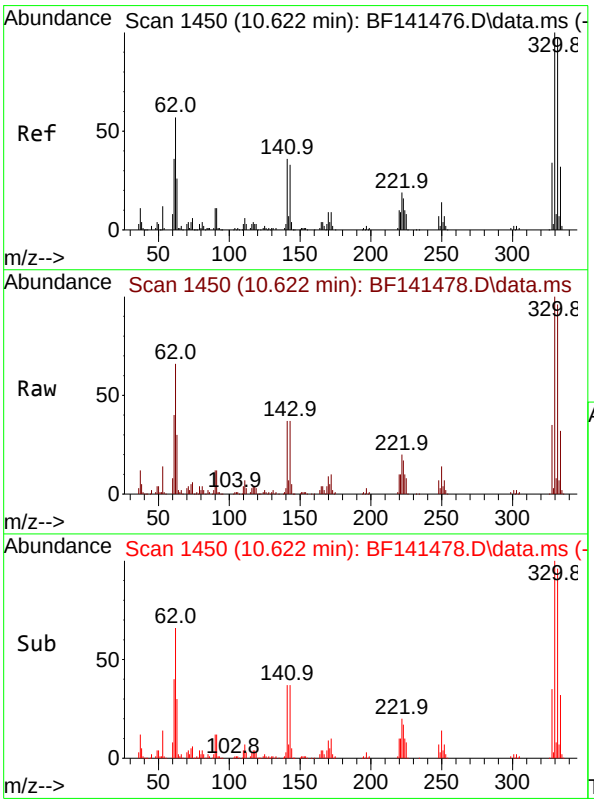
#41
Hexachlorocyclopentadiene
Concen: 66.819 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 120063

Ion	Ratio	Lower	Upper
237	100		
235	61.5	41.4	81.4
272	12.4	0.0	32.4

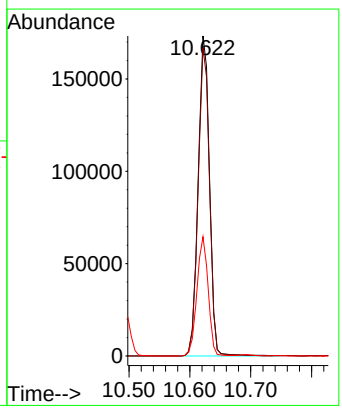


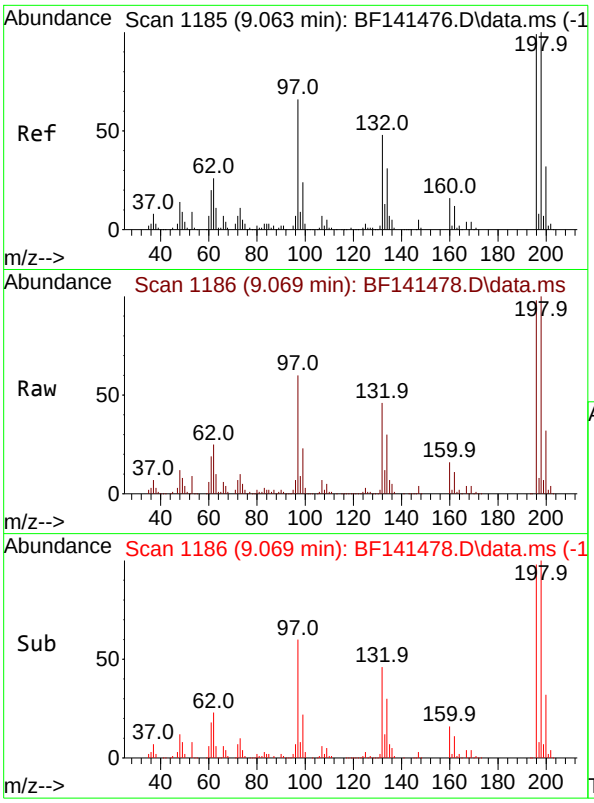


#42
2,4,6-Tribromophenol
Concen: 119.976 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:330 Resp: 225049

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.5	117.7
141	36.9	31.0	46.4



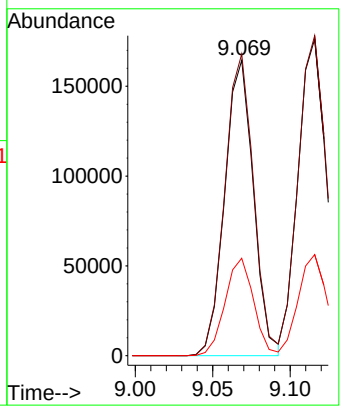


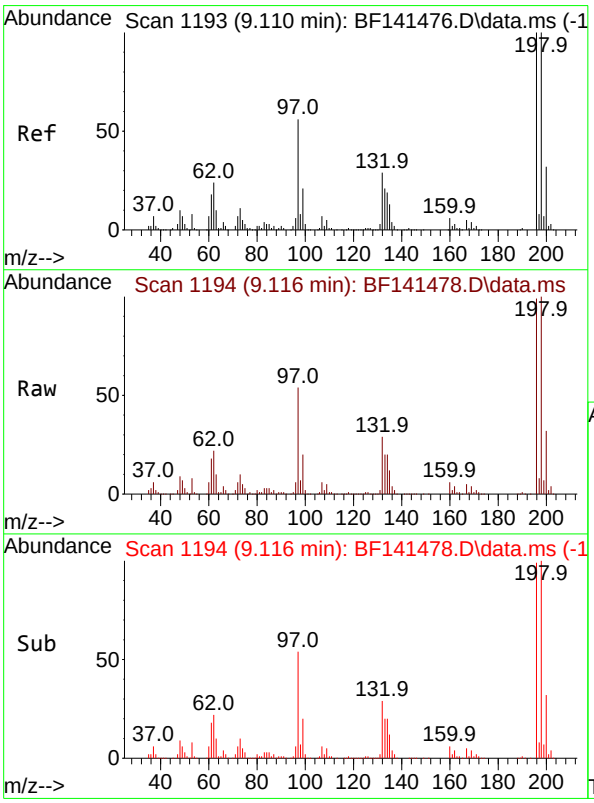
#43
2,4,6-Trichlorophenol
Concen: 60.632 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 211702

Ion	Ratio	Lower	Upper
196	100		
198	102.2	80.6	121.0
200	33.0	25.5	38.3

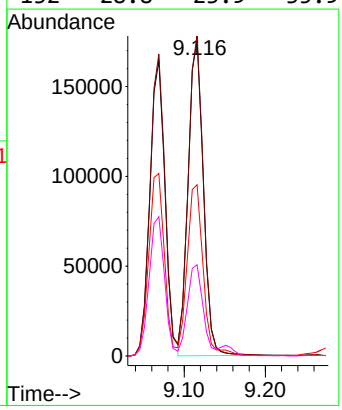


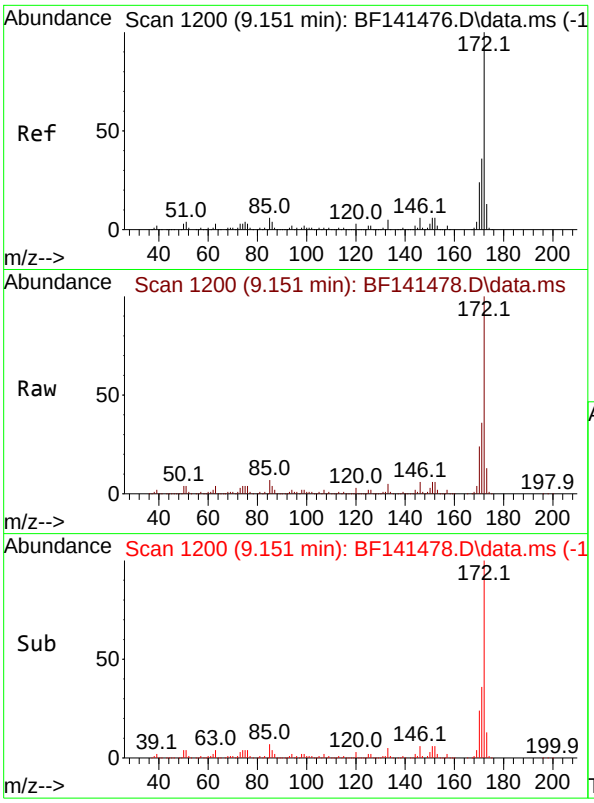


#44
2,4,5-Trichlorophenol
Concen: 60.519 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:196 Resp: 229006

Ion	Ratio	Lower	Upper
196	100		
198	101.1	79.8	119.8
97	54.1	44.8	67.2
132	28.8	23.9	35.9



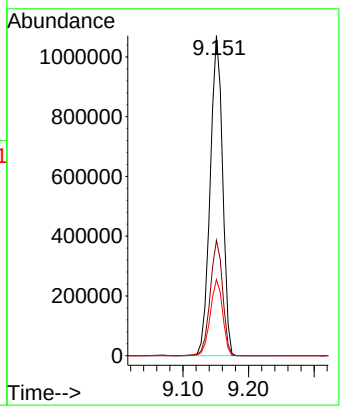


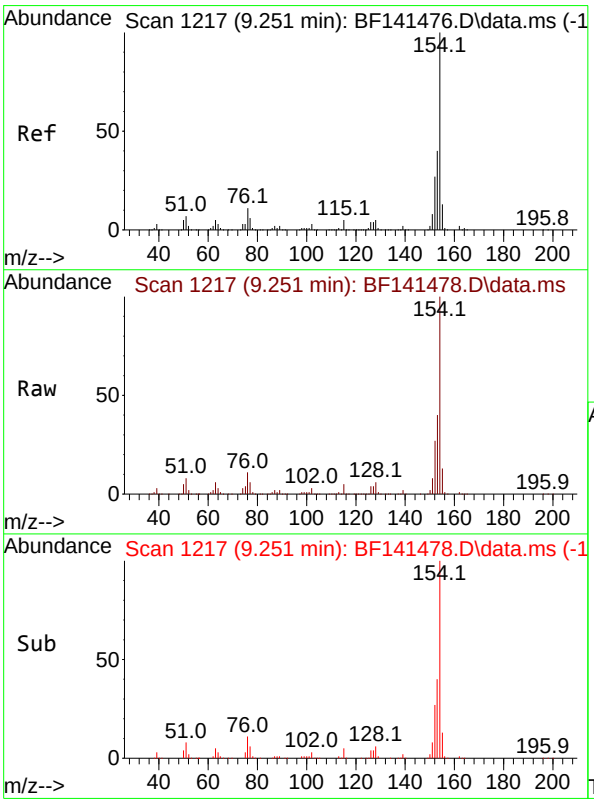
#45
2-Fluorobiphenyl
Concen: 116.358 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1410277

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.8	18.9	28.3

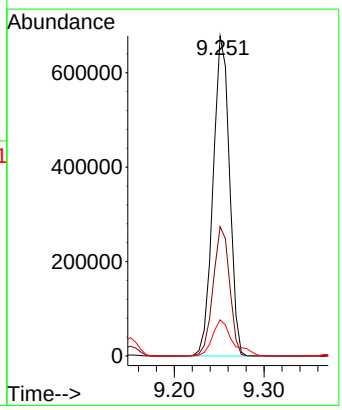


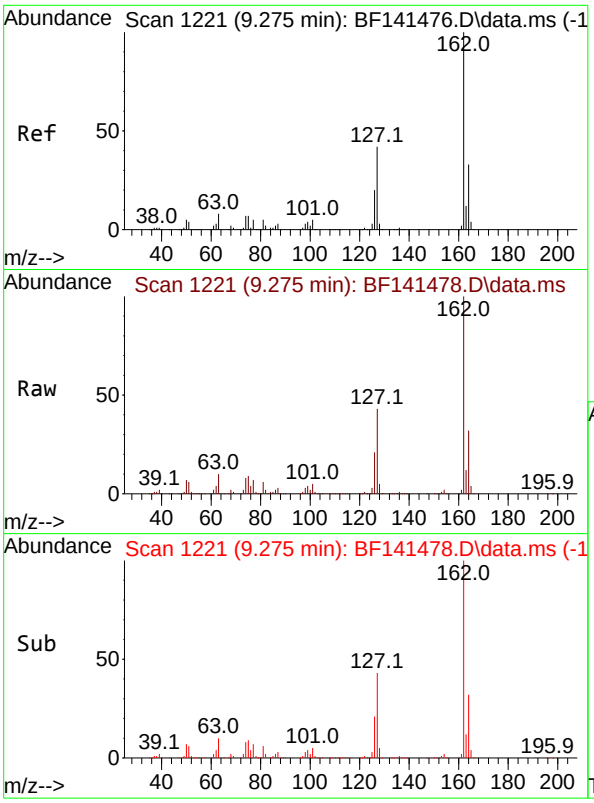


#46
1,1'-Biphenyl
Concen: 59.479 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:154 Resp: 861067

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	11.3	0.0	30.8



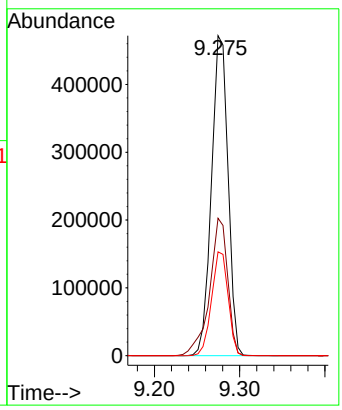


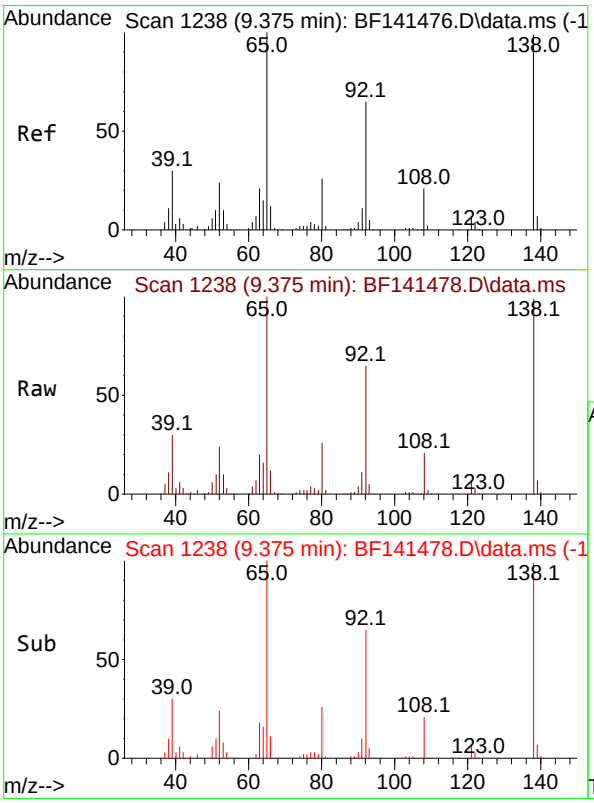
#47
2-Chloronaphthalene
Concen: 59.459 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 636511

Ion	Ratio	Lower	Upper
162	100		
127	43.0	34.1	51.1
164	32.5	26.3	39.5

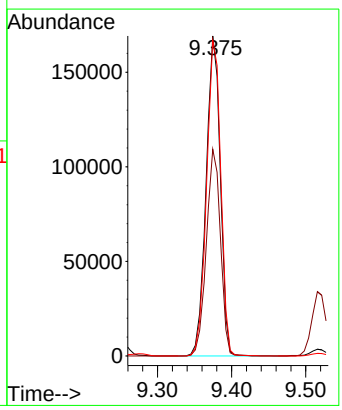


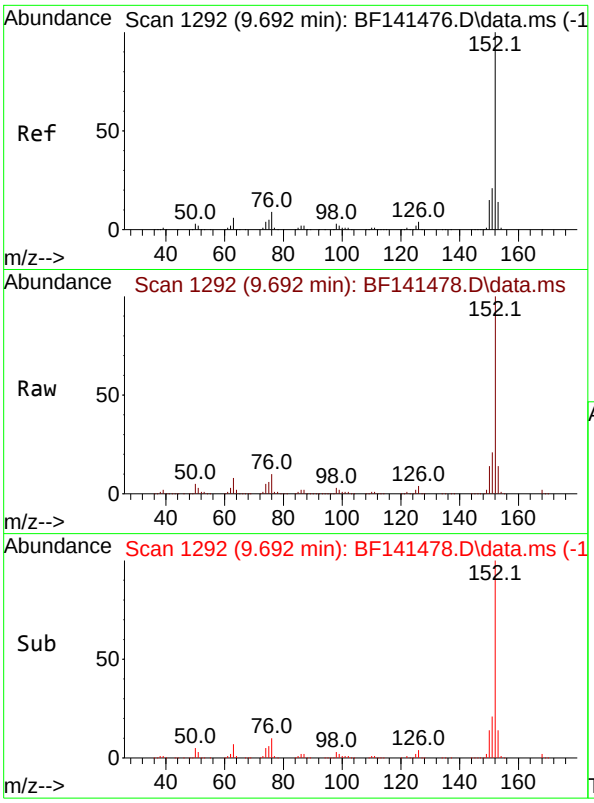


#48
2-Nitroaniline
Concen: 62.547 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 65 Resp: 224709

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.2	78.2
138	98.7	79.5	119.3



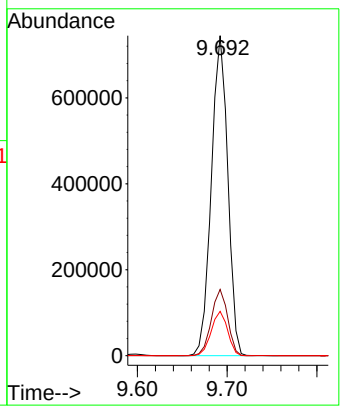


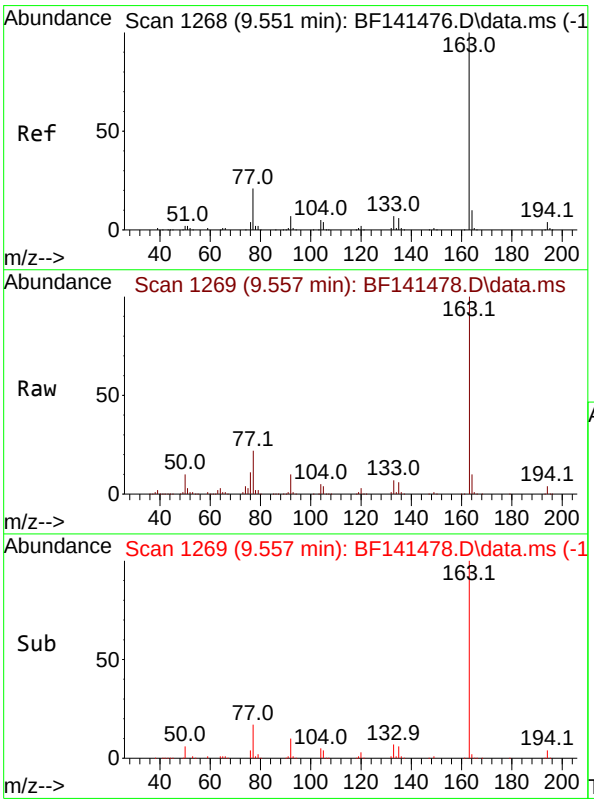
#49
Acenaphthylene
Concen: 59.436 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 946382

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.4	24.6
153	13.8	10.9	16.3

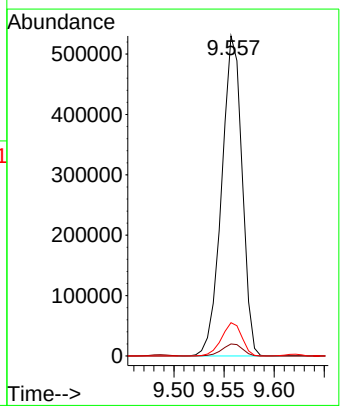


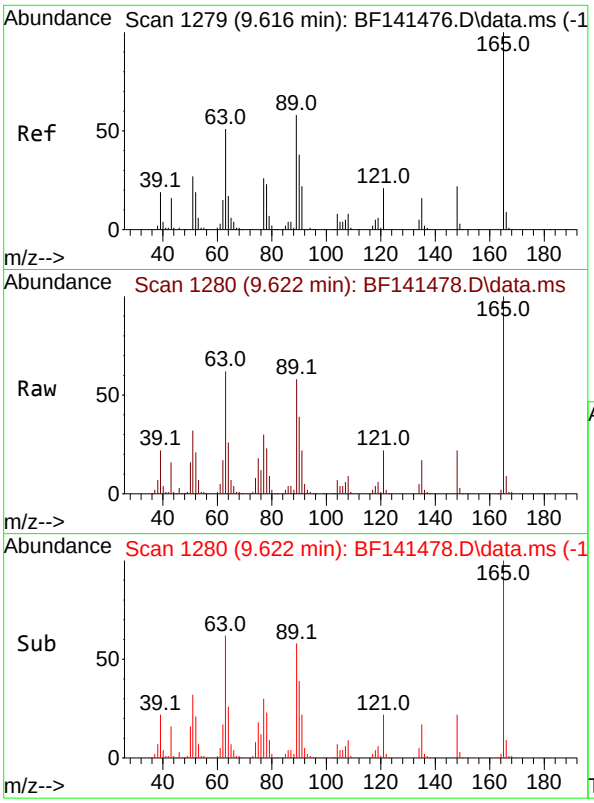


#50
Dimethylphthalate
Concen: 59.253 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:163 Resp: 751128

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.4	7.9	11.9



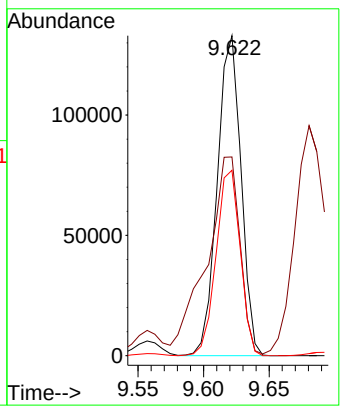


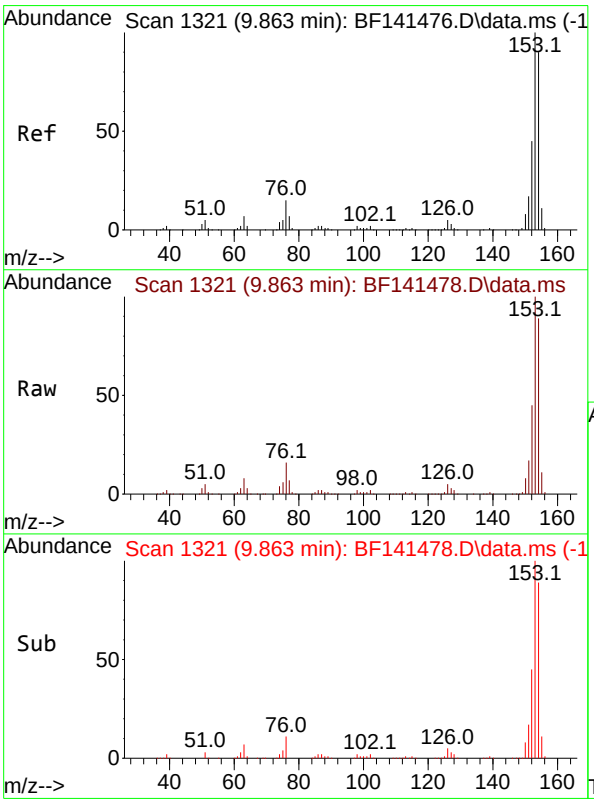
#51
2,6-Dinitrotoluene
Concen: 60.403 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 167387

Ion	Ratio	Lower	Upper
165	100		
63	62.1	49.4	74.0
89	58.0	46.5	69.7

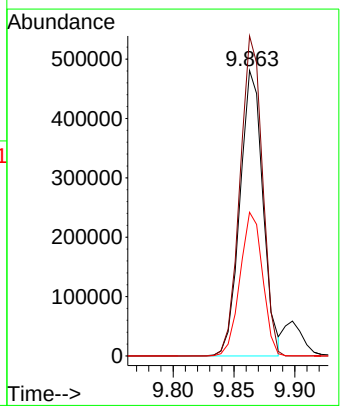


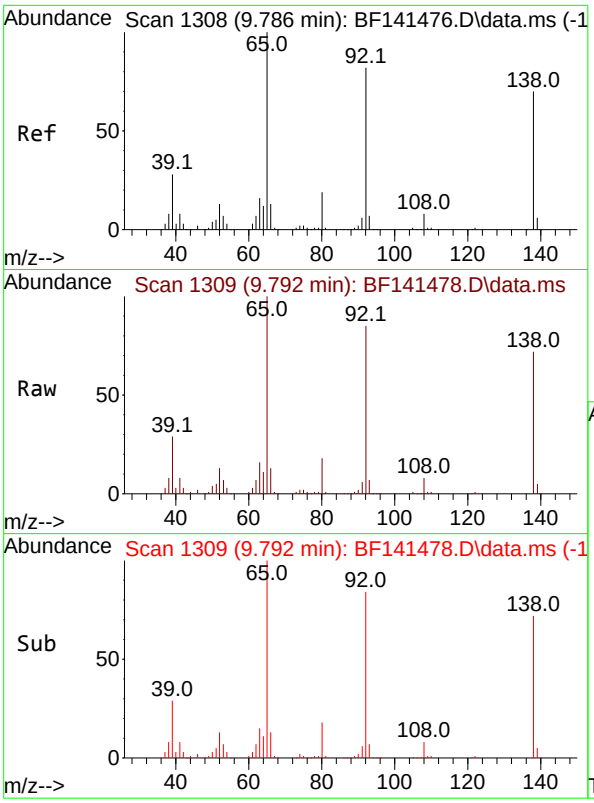


#52
Acenaphthene
Concen: 58.974 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:154 Resp: 631289

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.2	133.8
152	50.3	39.8	59.8



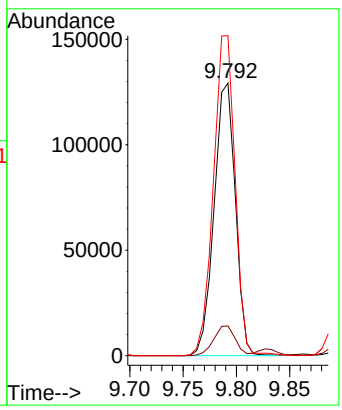


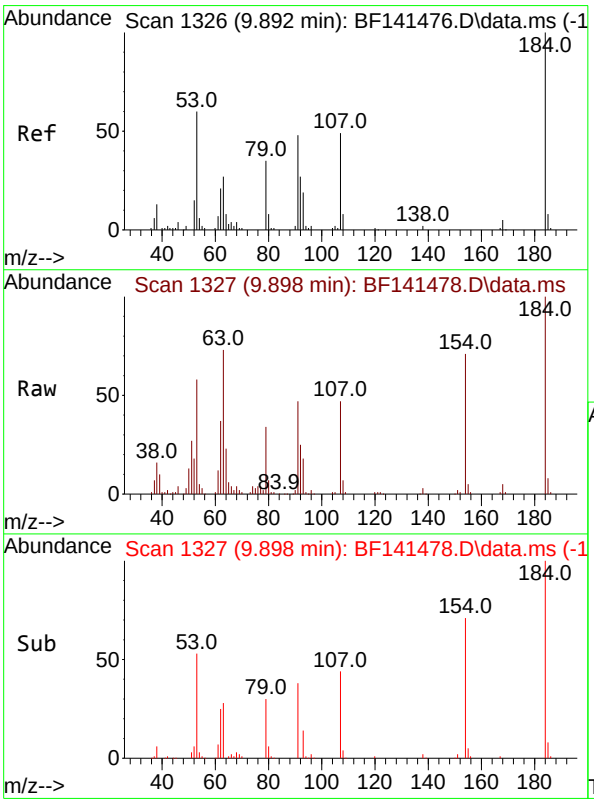
#53
3-Nitroaniline
Concen: 60.237 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 179664

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.4
92	117.5	93.7	140.5

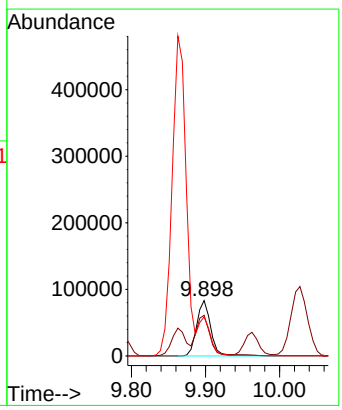


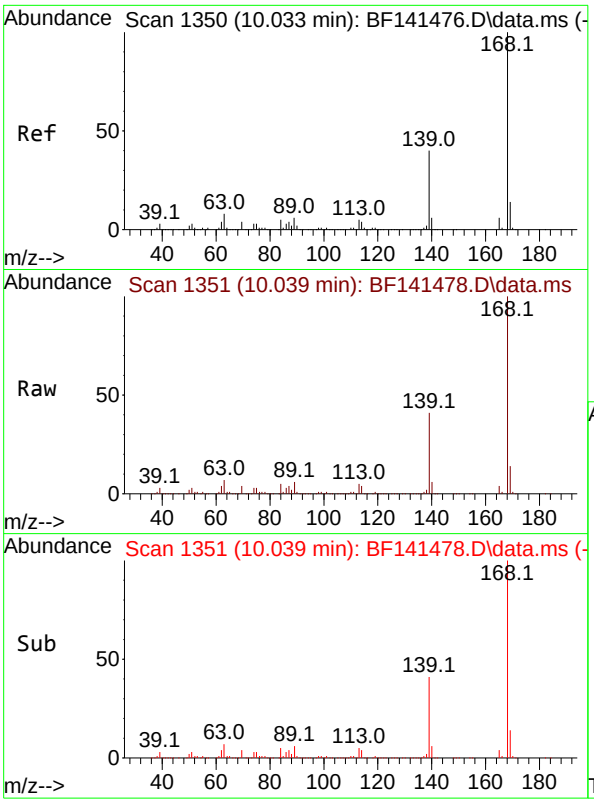


#54
2,4-Dinitrophenol
Concen: 67.432 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:184 Resp: 111060

Ion	Ratio	Lower	Upper
184	100		
63	73.3	61.0	91.6
154	70.6	59.9	89.9



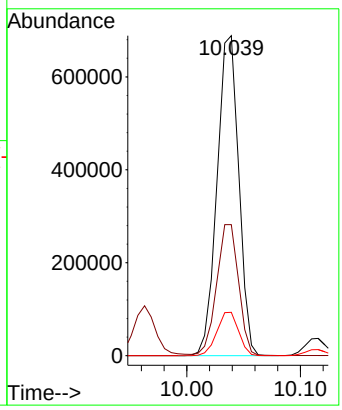


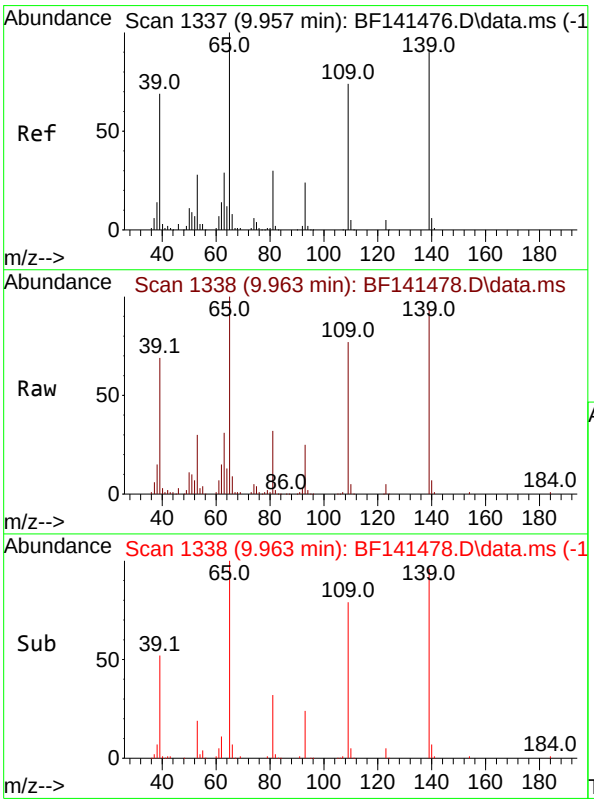
#55
Dibenzofuran
Concen: 58.242 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 915117

Ion	Ratio	Lower	Upper
168	100		
139	41.0	32.7	49.1
169	13.5	10.8	16.2

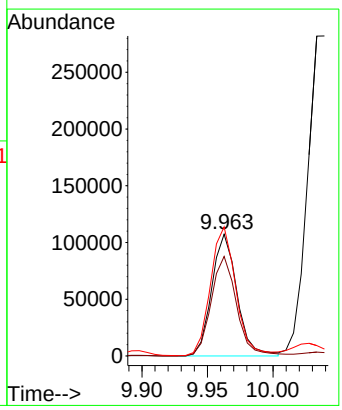


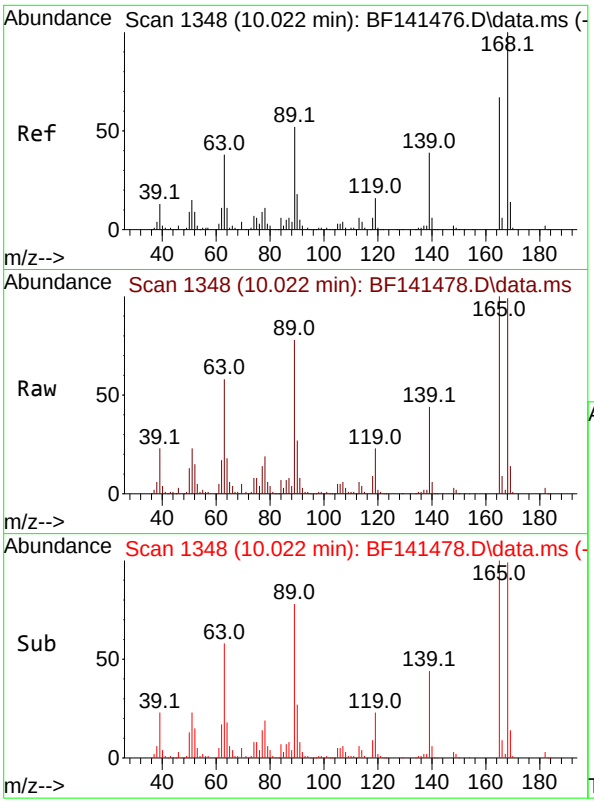


#56
4-Nitrophenol
Concen: 65.035 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:139 Resp: 143994

Ion	Ratio	Lower	Upper
139	100		
109	81.7	62.0	102.0
65	106.0	91.2	131.2



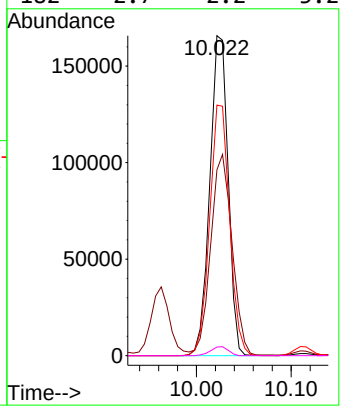


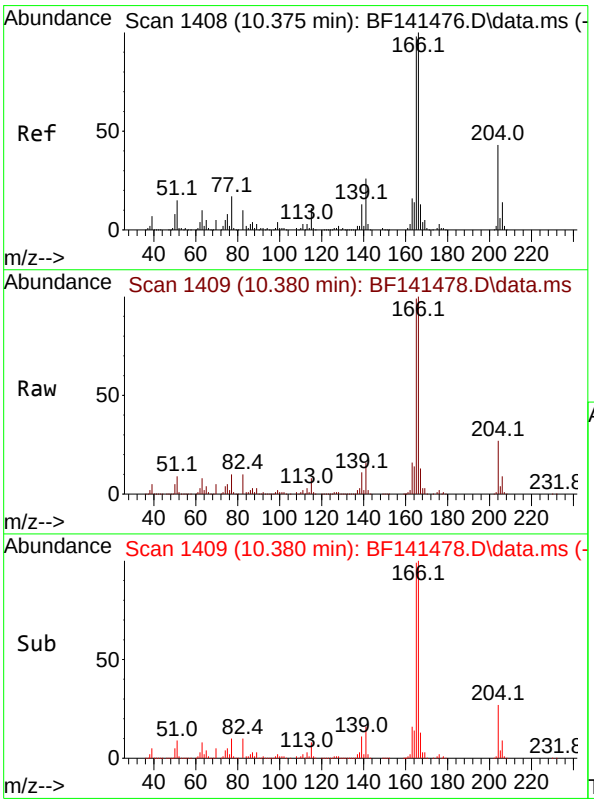
#57
2,4-Dinitrotoluene
Concen: 60.202 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 222091

Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.4	69.6
89	78.3	61.8	92.6
182	2.7	2.2	3.2

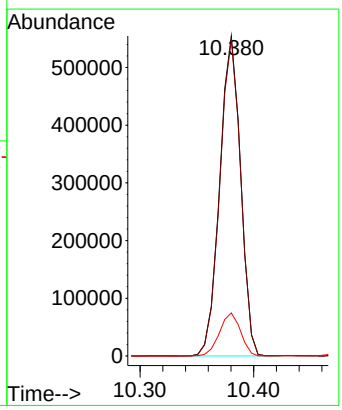


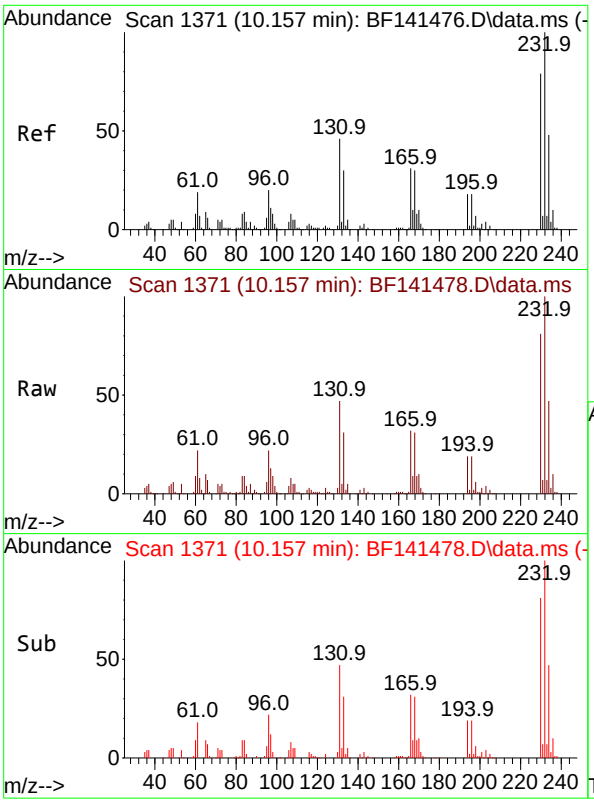


#58
Fluorene
Concen: 58.225 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:166 Resp: 707371

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.2
167	13.5	10.7	16.1



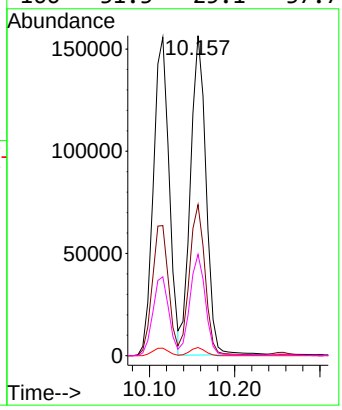


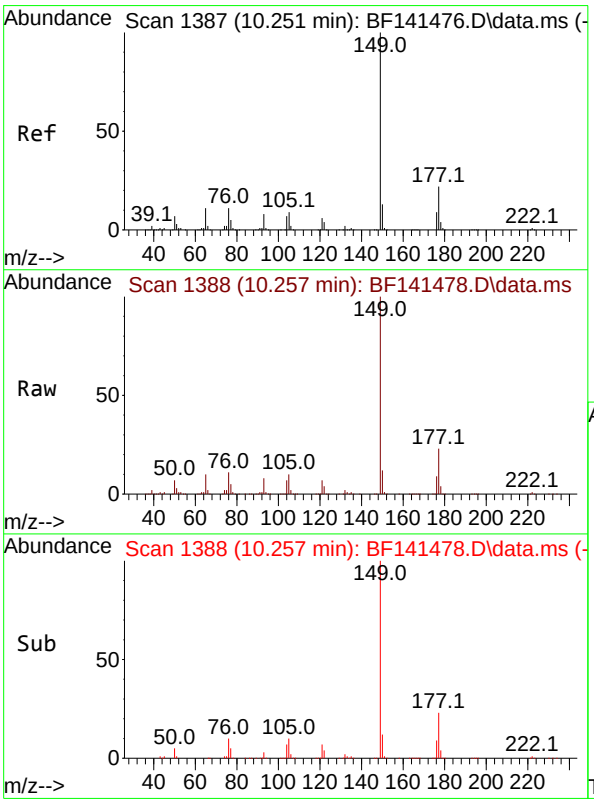
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.972 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 198636

Ion	Ratio	Lower	Upper
232	100		
131	47.8	39.2	58.8
130	2.5	2.1	3.1
166	31.3	25.1	37.7

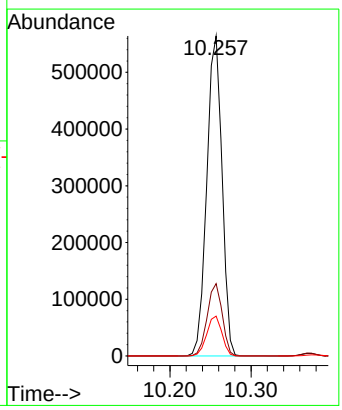


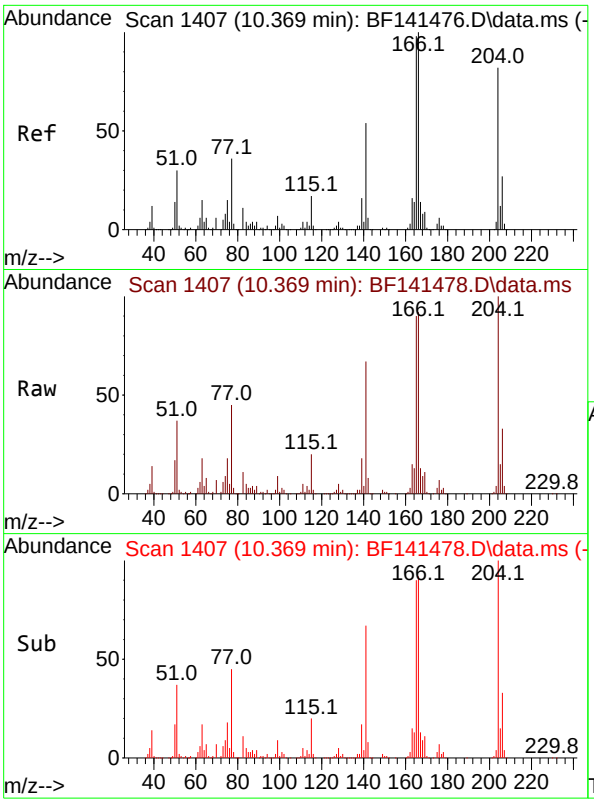


#60
Diethylphthalate
Concen: 58.755 ng
RT: 10.257 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 732804

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.6
150	12.5	10.1	15.1



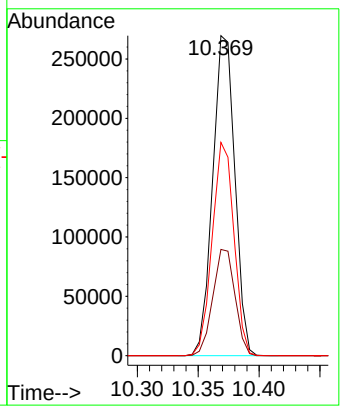


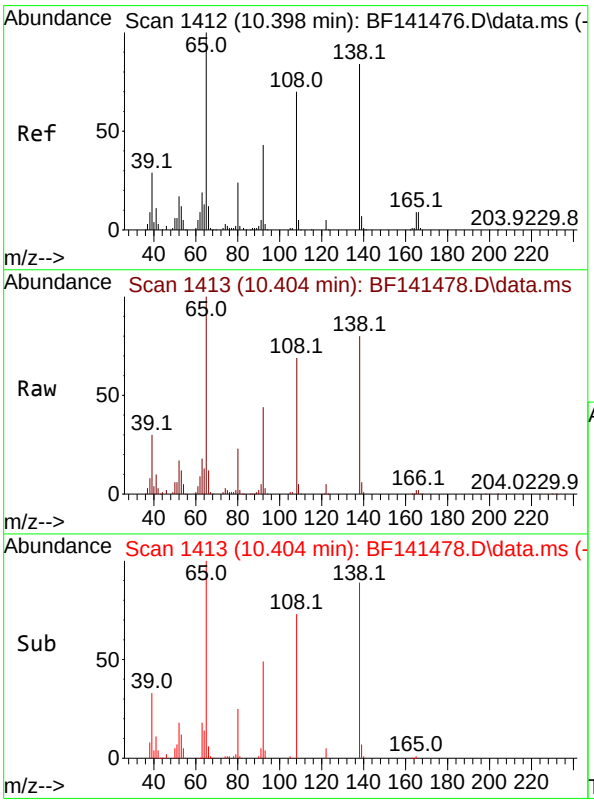
#61
4-Chlorophenyl-phenylether
Concen: 58.570 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 342324

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	40.0
141	66.7	51.9	77.9

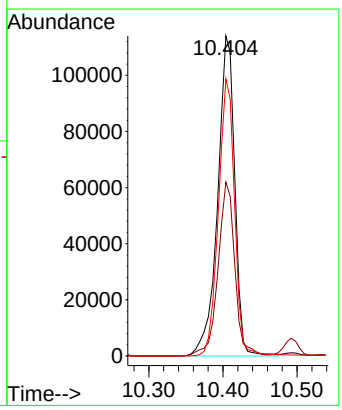


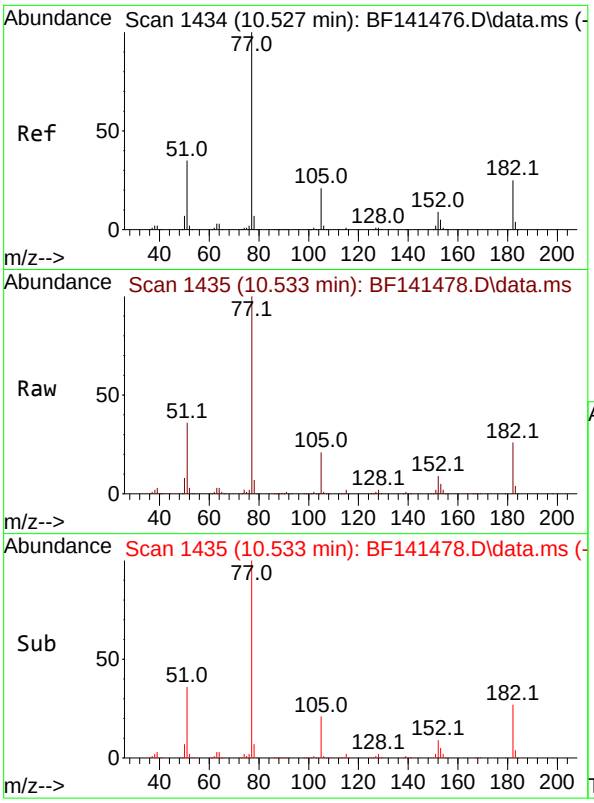


#62
4-Nitroaniline
Concen: 60.406 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:138 Resp: 182946

Ion	Ratio	Lower	Upper
138	100		
92	54.3	31.3	71.3
108	86.6	63.7	103.7



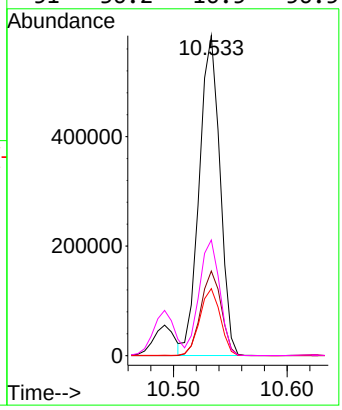


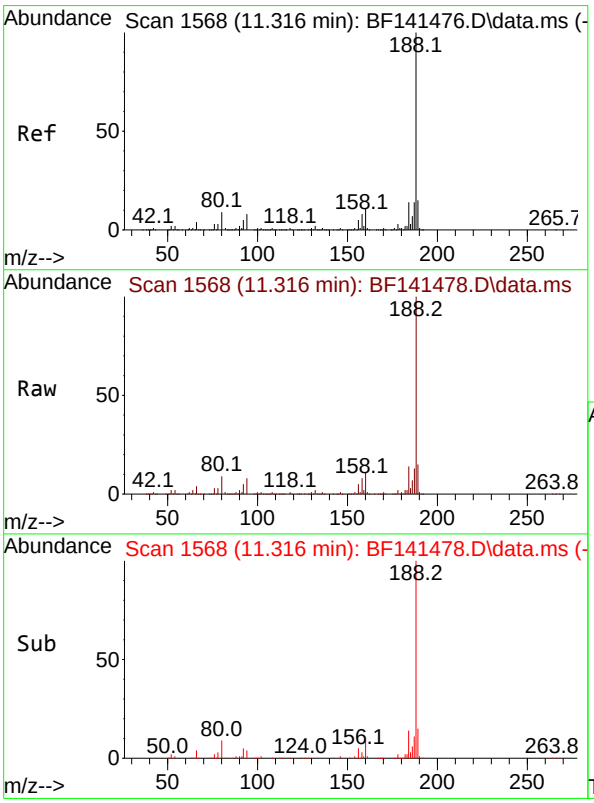
#63
Azobenzene
Concen: 59.629 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 739338

Ion	Ratio	Lower	Upper
77	100		
182	26.5	4.7	44.7
105	21.0	0.4	40.4
51	36.2	16.5	56.5

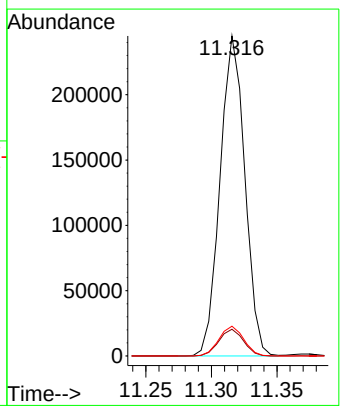


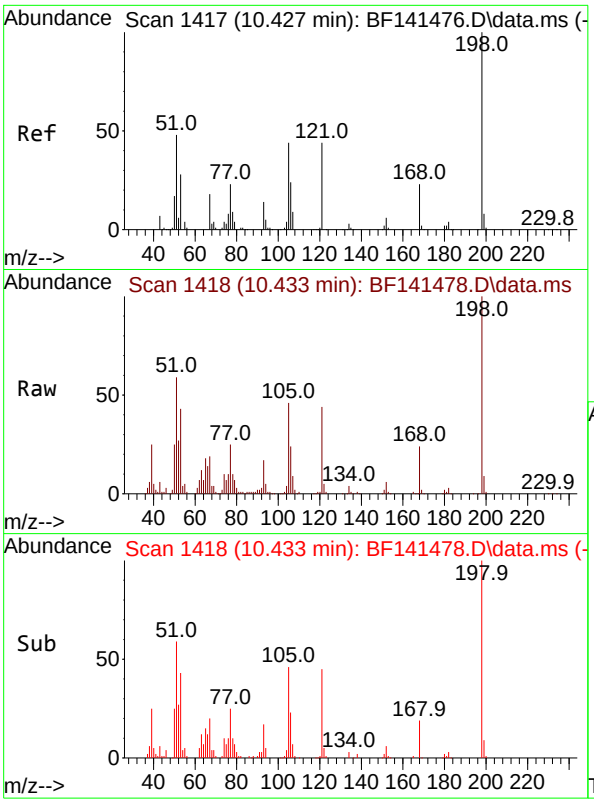


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:188 Resp: 321893

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.3	7.3	10.9



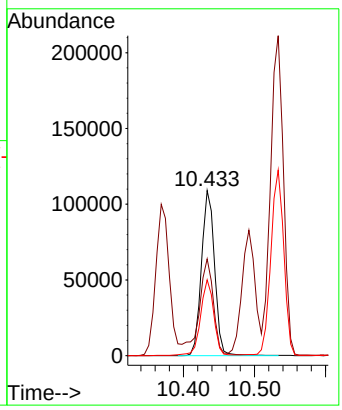


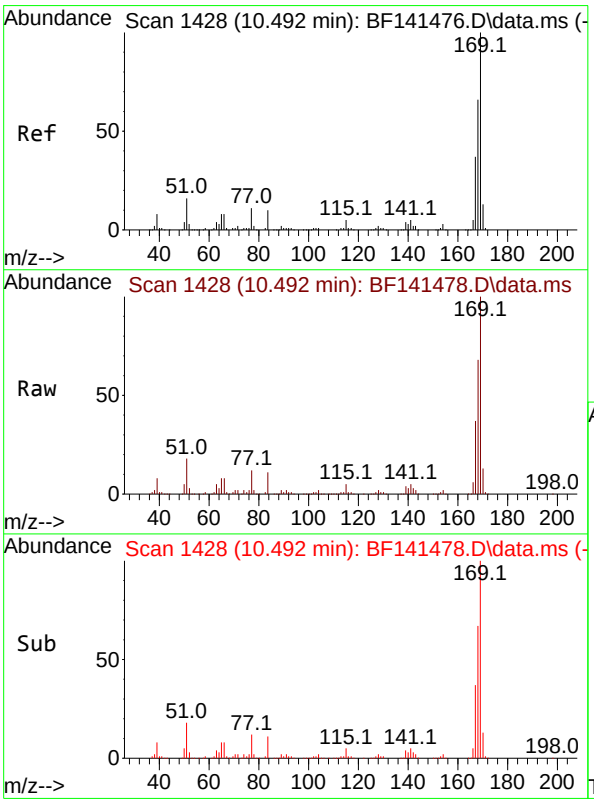
#65
4,6-Dinitro-2-methylphenol
Concen: 62.884 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 140610

Ion	Ratio	Lower	Upper
198	100		
51	58.6	37.4	77.4
105	46.0	25.2	65.2

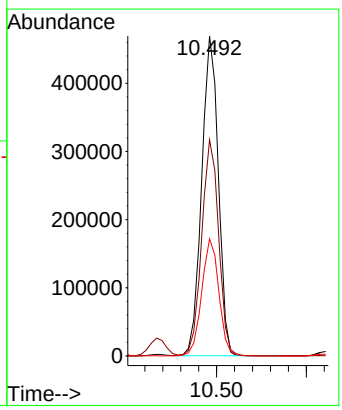


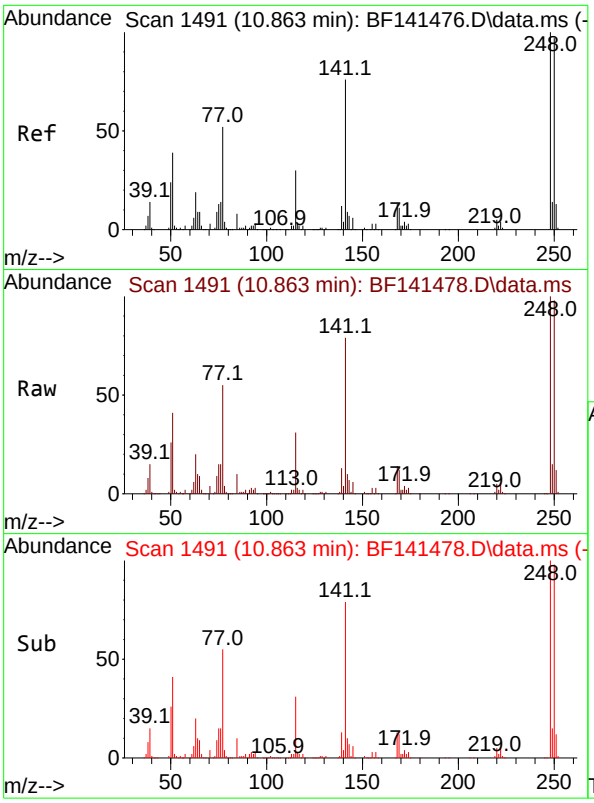


#66
n-Nitrosodiphenylamine
Concen: 58.609 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:169 Resp: 603914

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.3	79.9
167	36.6	29.4	44.2



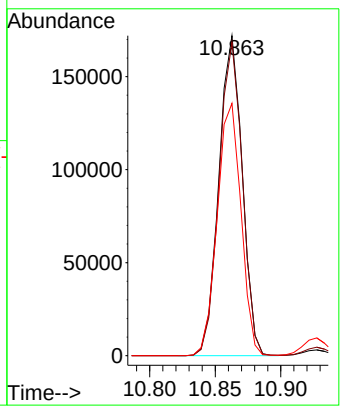


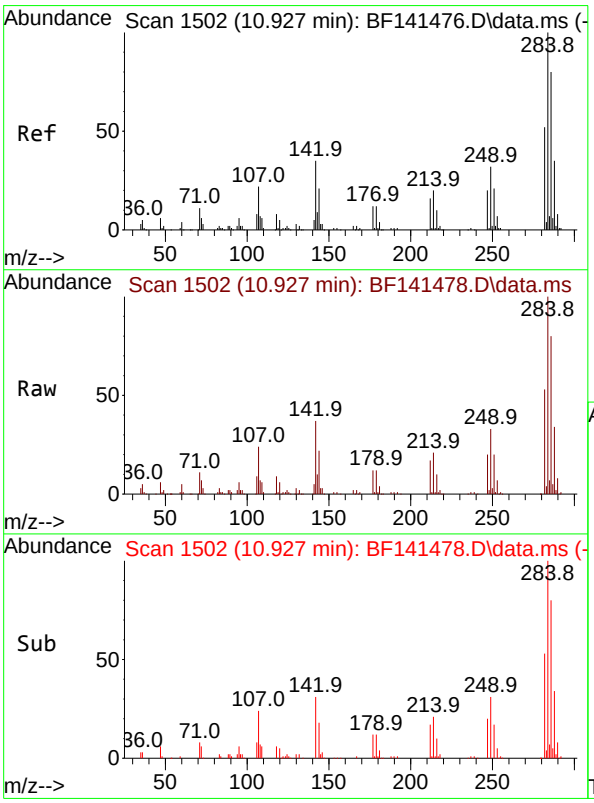
#67
4-Bromophenyl-phenylether
Concen: 59.314 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 213385

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.8	116.6
141	78.9	60.6	90.8

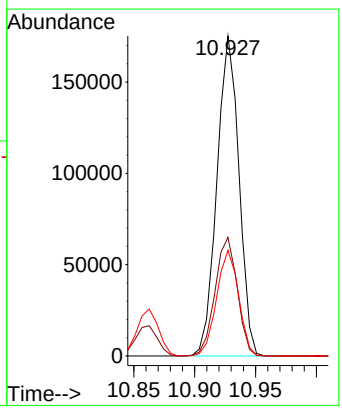


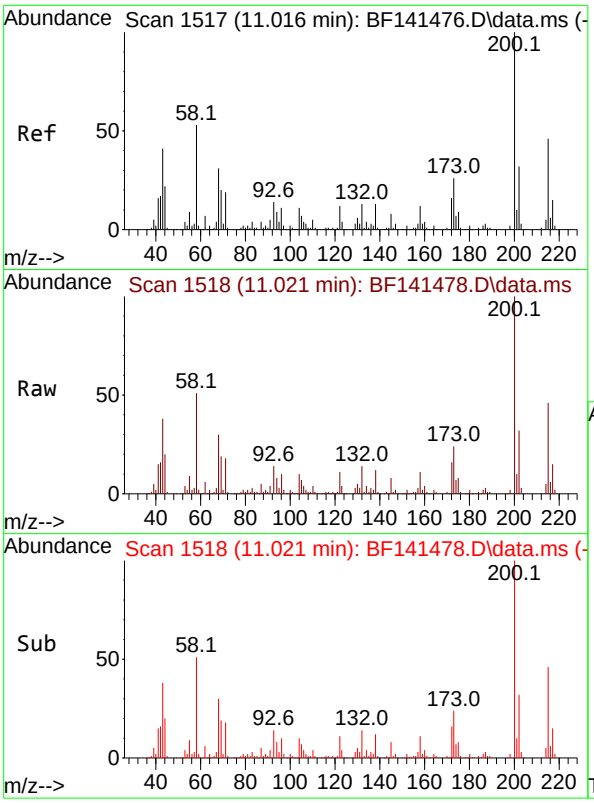


#68
Hexachlorobenzene
Concen: 59.552 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:284 Resp: 220611

Ion	Ratio	Lower	Upper
284	100		
142	37.0	28.0	42.0
249	33.0	25.8	38.8



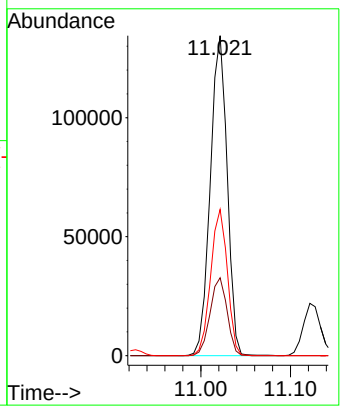


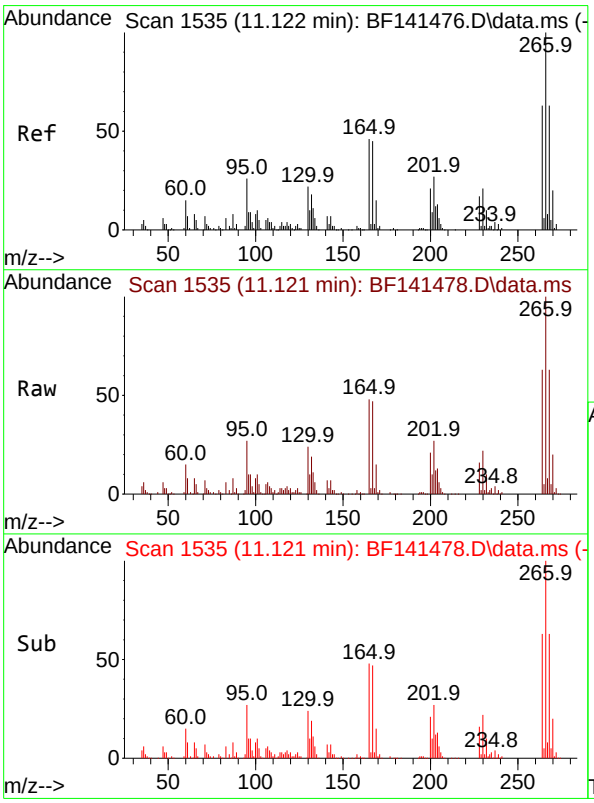
#69
Atrazine
Concen: 56.878 ng
RT: 11.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 175824

Ion	Ratio	Lower	Upper
200	100		
173	24.4	5.9	45.9
215	45.7	25.9	65.9

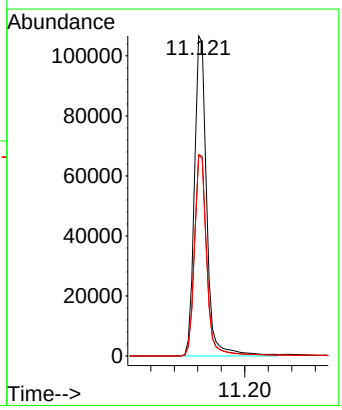


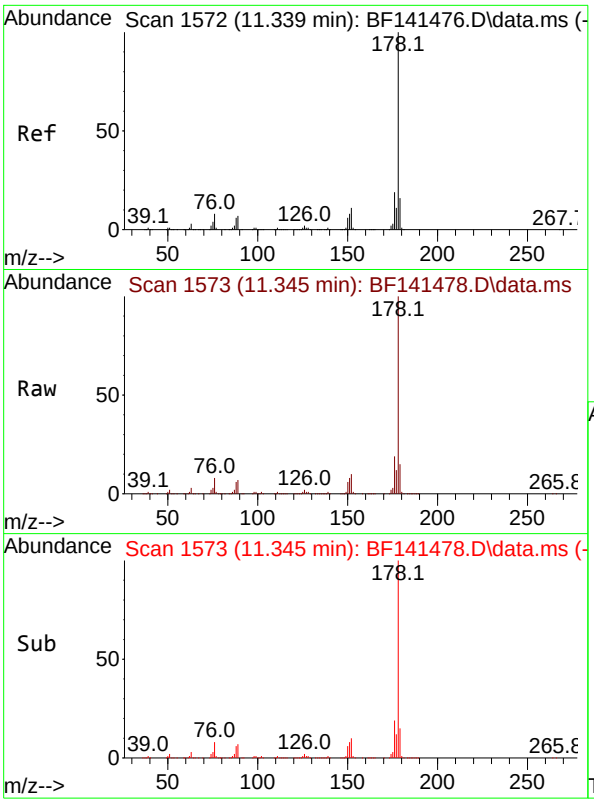


#70
Pentachlorophenol
Concen: 65.001 ng
RT: 11.121 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:266 Resp: 153971

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.1	75.1
264	62.7	50.1	75.1



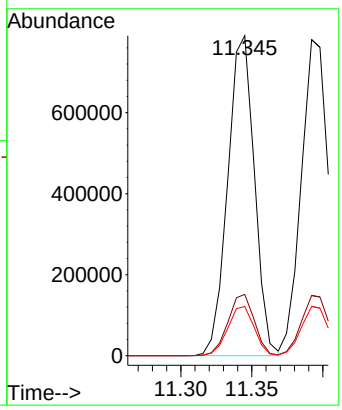


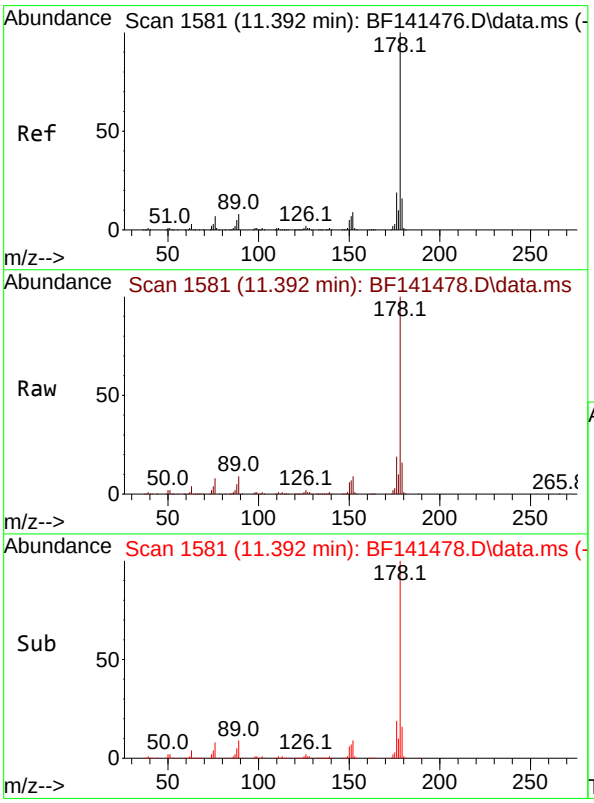
#71
Phenanthrene
Concen: 58.248 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1032075

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6

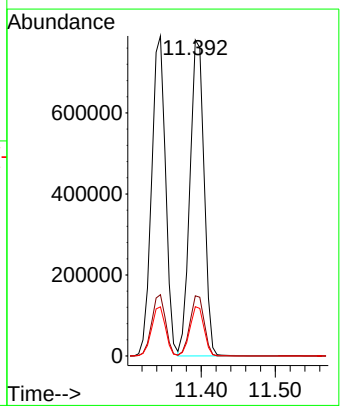


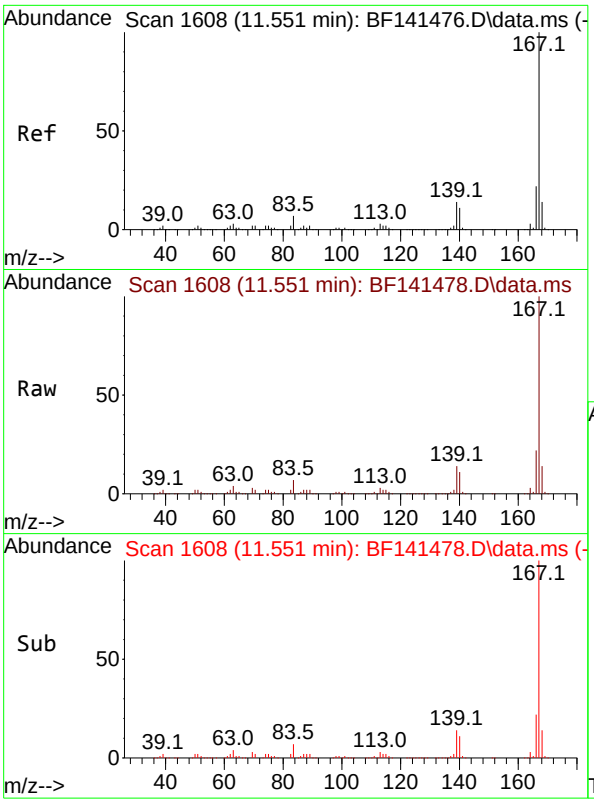


#72
Anthracene
Concen: 58.062 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:178 Resp: 1034181

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.6	12.4	18.6



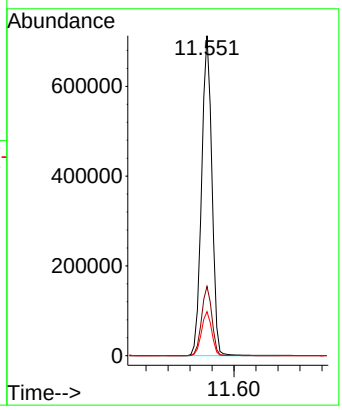


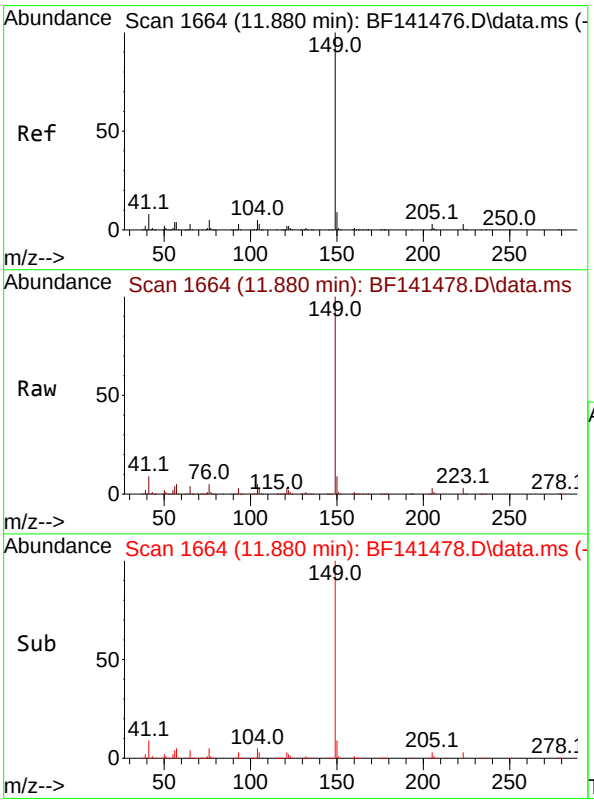
#73
Carbazole
Concen: 57.896 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 927882

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.7	10.9	16.3

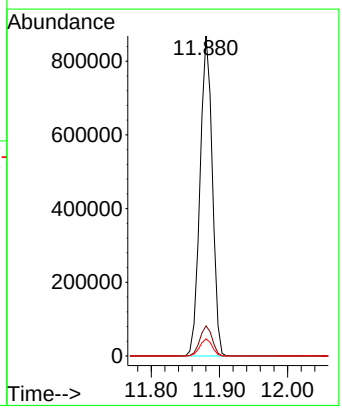


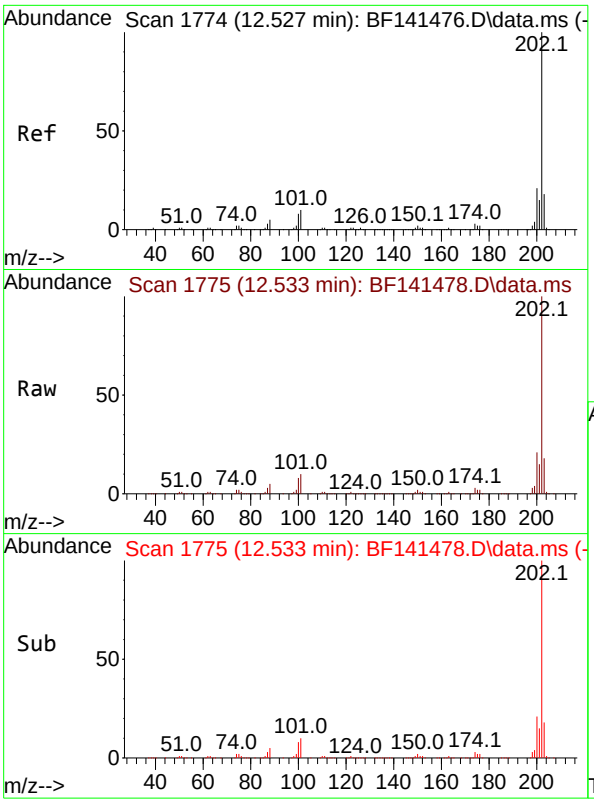


#74
Di-n-butylphthalate
Concen: 58.783 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 1087815

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.4	4.2	6.2



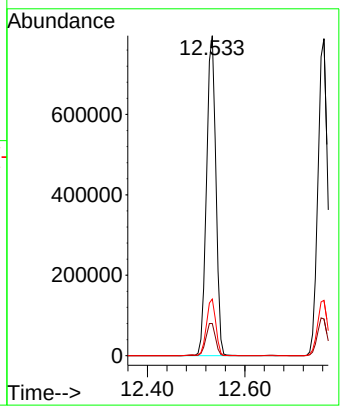


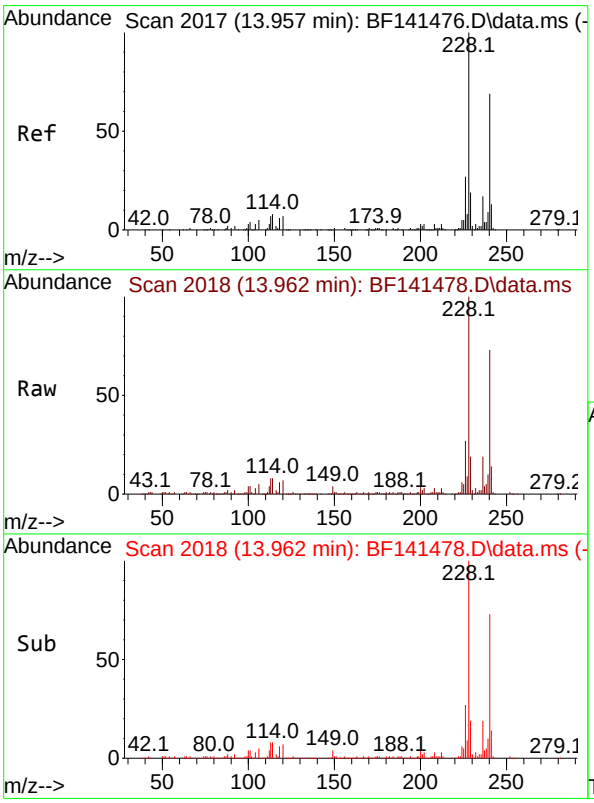
#75
Fluoranthene
Concen: 56.102 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1053887

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.7	0.0	37.6

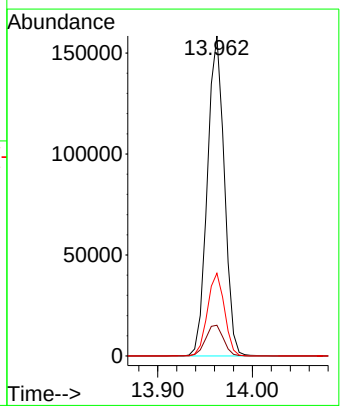


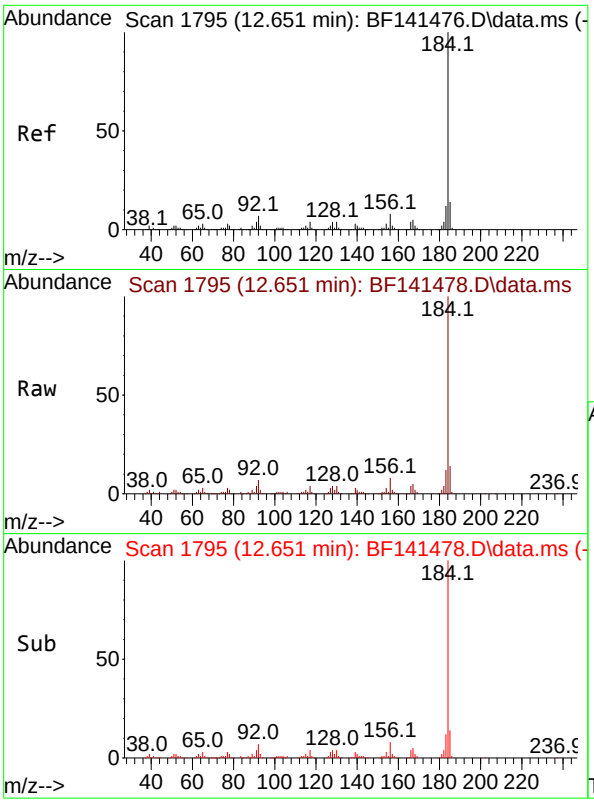


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:240 Resp: 197108

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	25.9	19.8	29.8



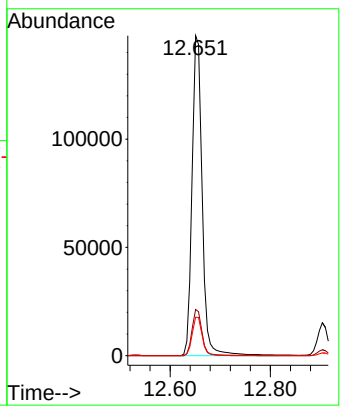


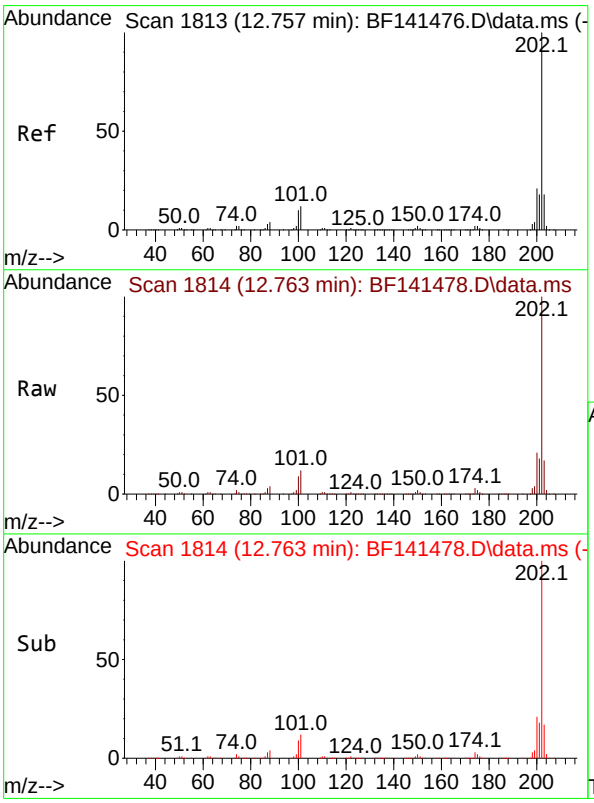
#77
Benzidine
Concen: 47.757 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 207602

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.3	16.9
183	12.0	9.3	13.9

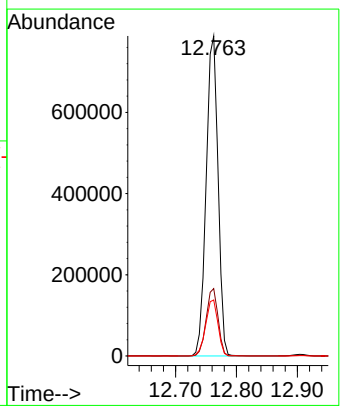


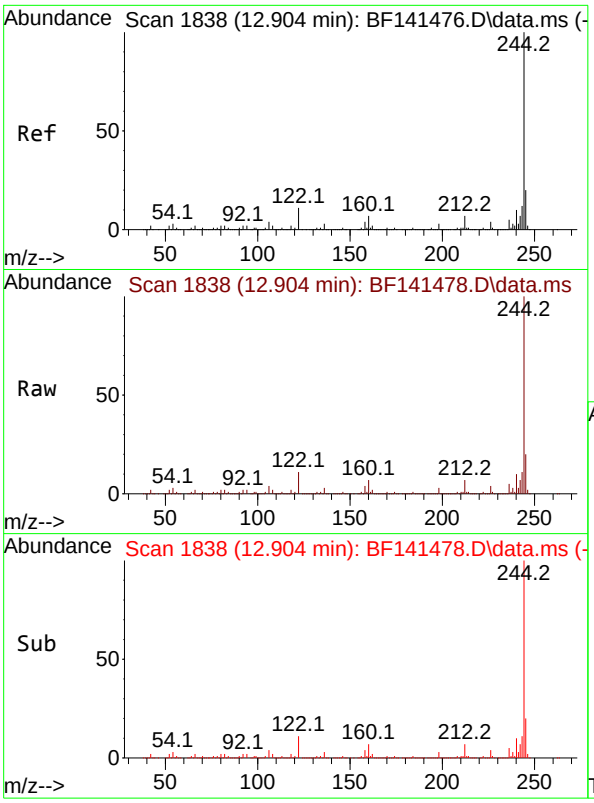


#78
Pyrene
Concen: 63.687 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:202 Resp: 1068624

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.5	14.3	21.5



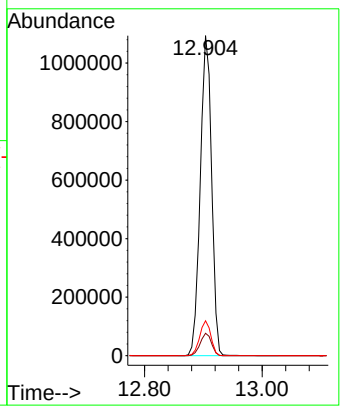


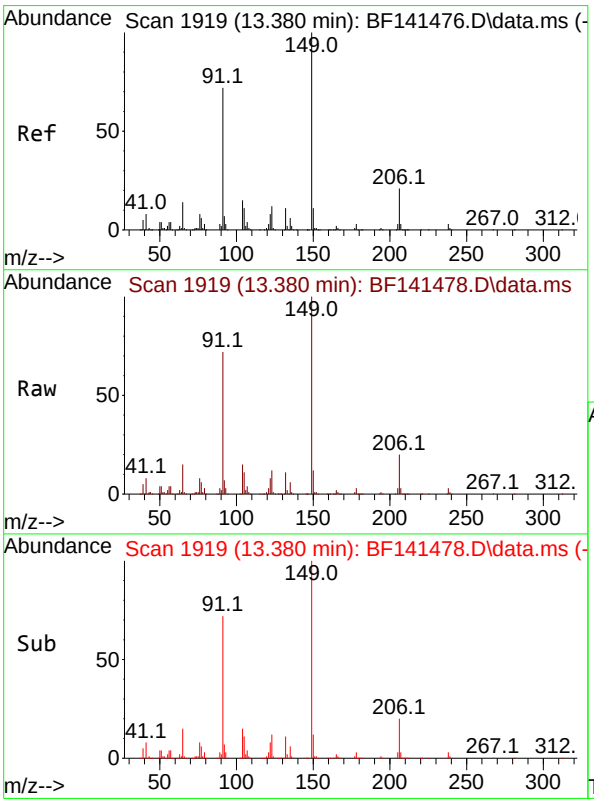
#79
Terphenyl-d14
Concen: 124.977 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1459213

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.9	8.4	12.6

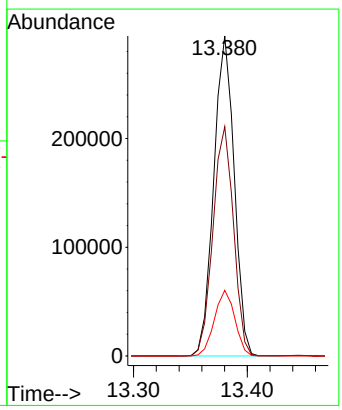


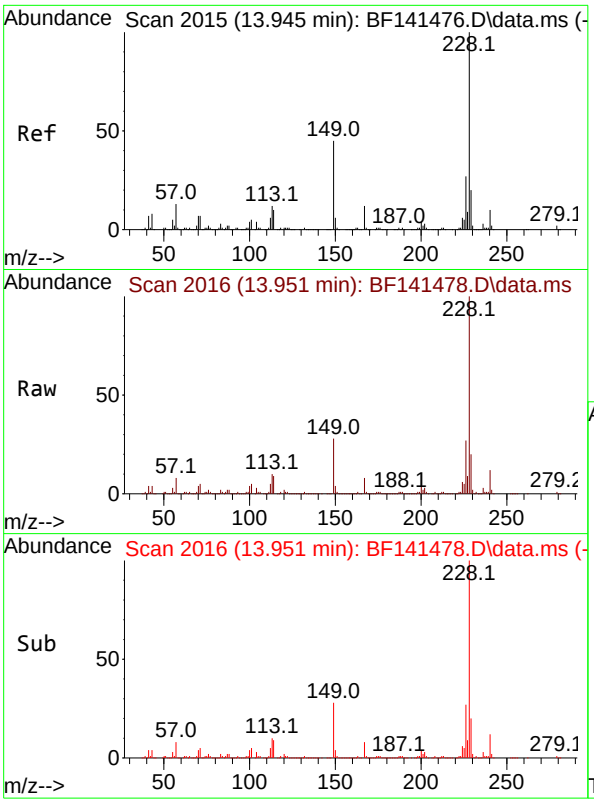


#80
Butylbenzylphthalate
Concen: 63.357 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 368219

Ion	Ratio	Lower	Upper
149	100		
91	71.7	57.8	86.8
206	20.5	16.7	25.1



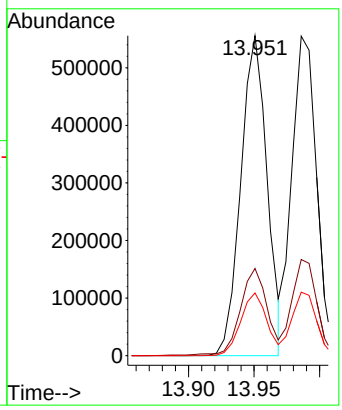


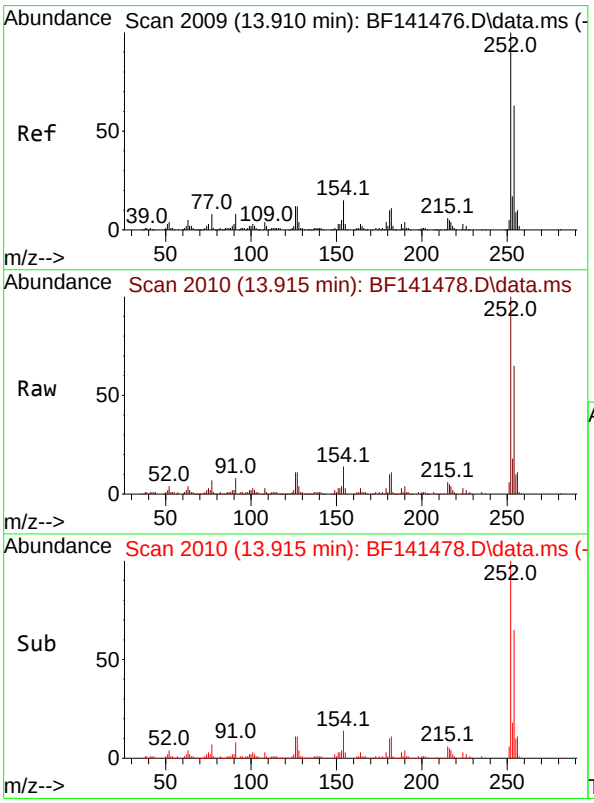
#81
Benzo(a)anthracene
Concen: 59.097 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 774318

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.6	15.8	23.6

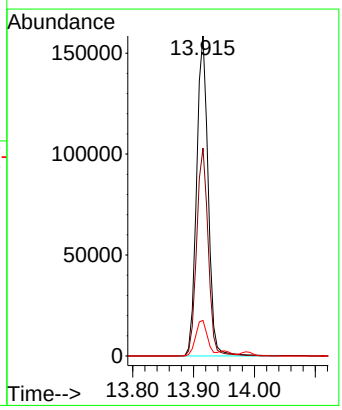


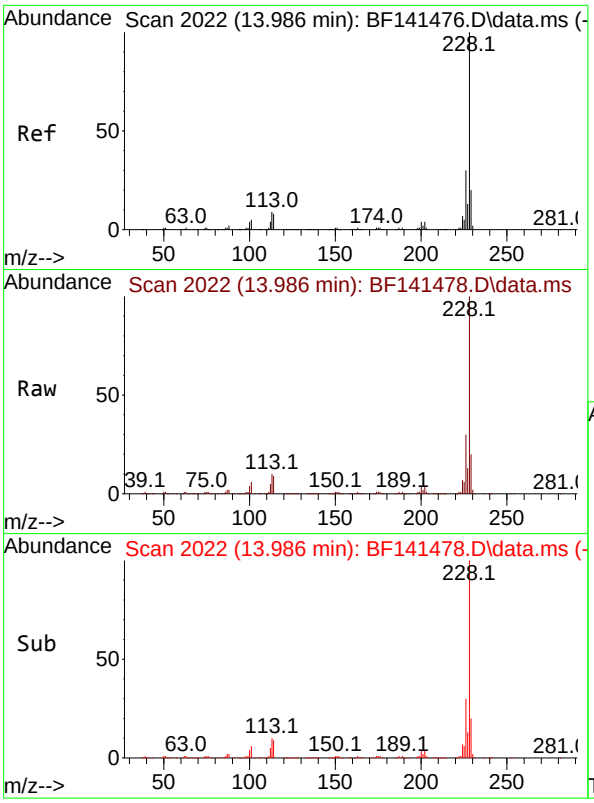


#82
3,3'-Dichlorobenzidine
Concen: 55.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 208826

Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.6	76.0
126	11.1	9.3	13.9



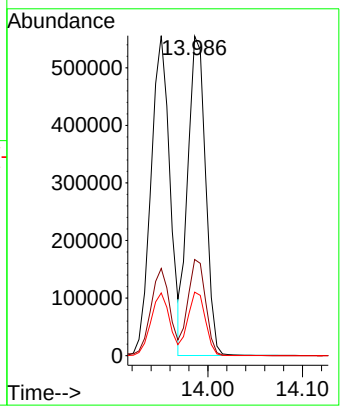


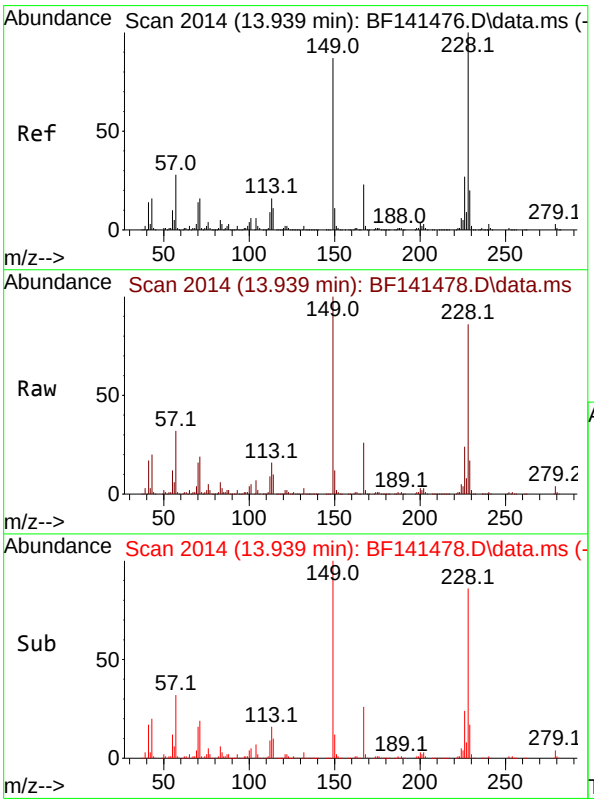
#83
Chrysene
Concen: 59.829 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 723815

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.9	15.7	23.5

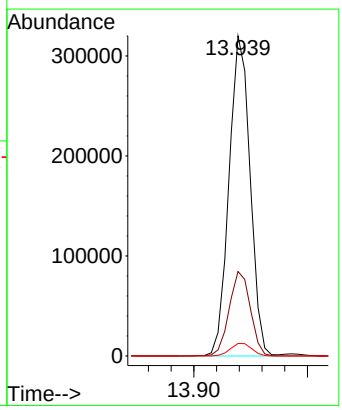


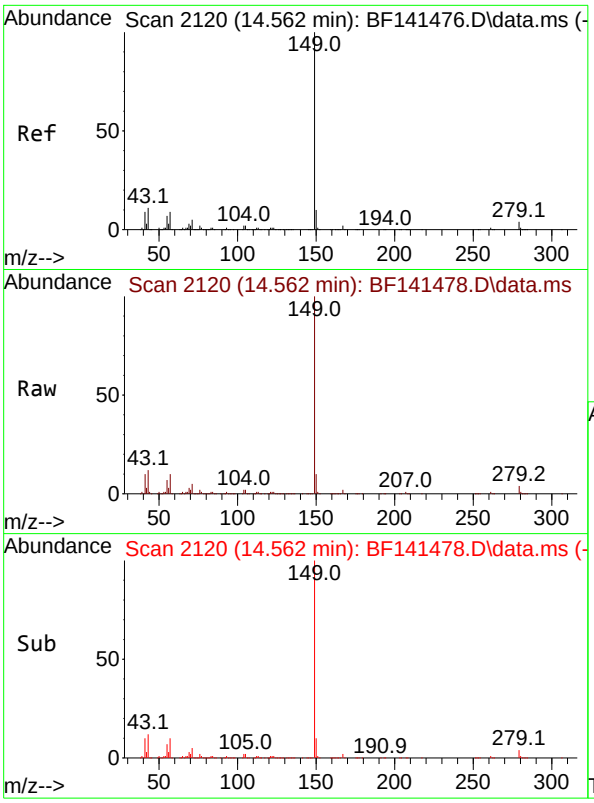


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.851 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 411979

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	3.9	3.1	4.7



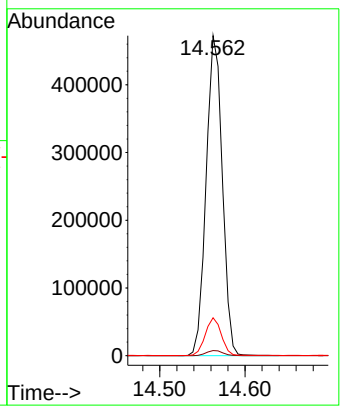


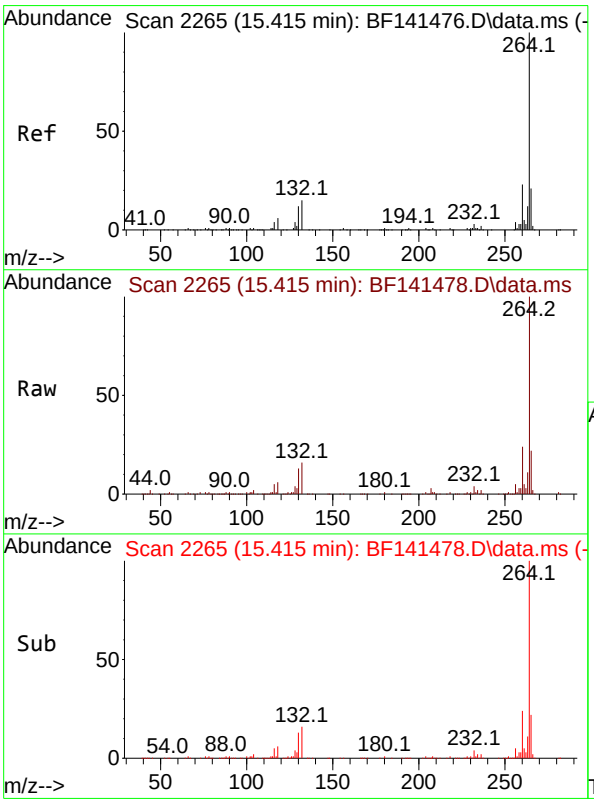
#85
Di-n-octyl phthalate
Concen: 66.464 ng
RT: 14.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 621505

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3

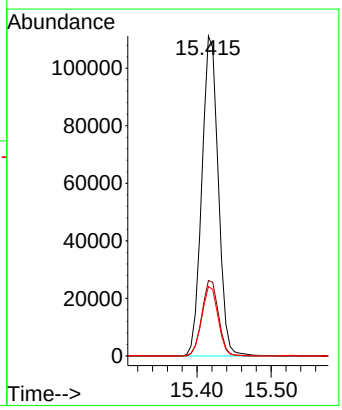


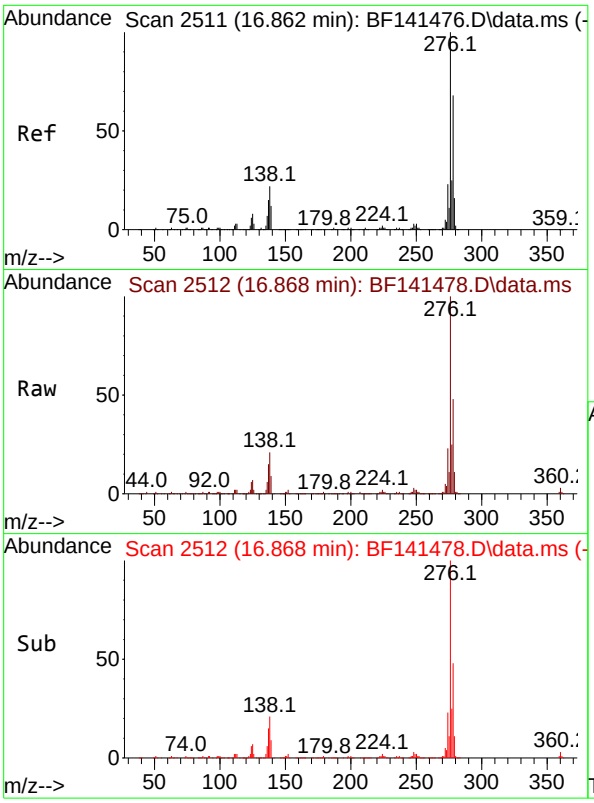


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:264 Resp: 171026

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.7	17.0	25.4



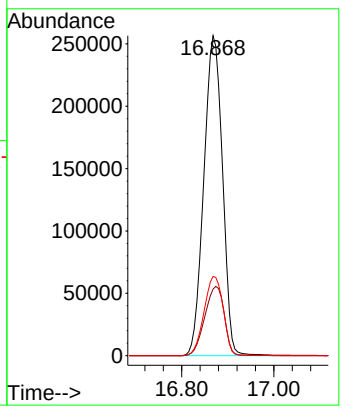


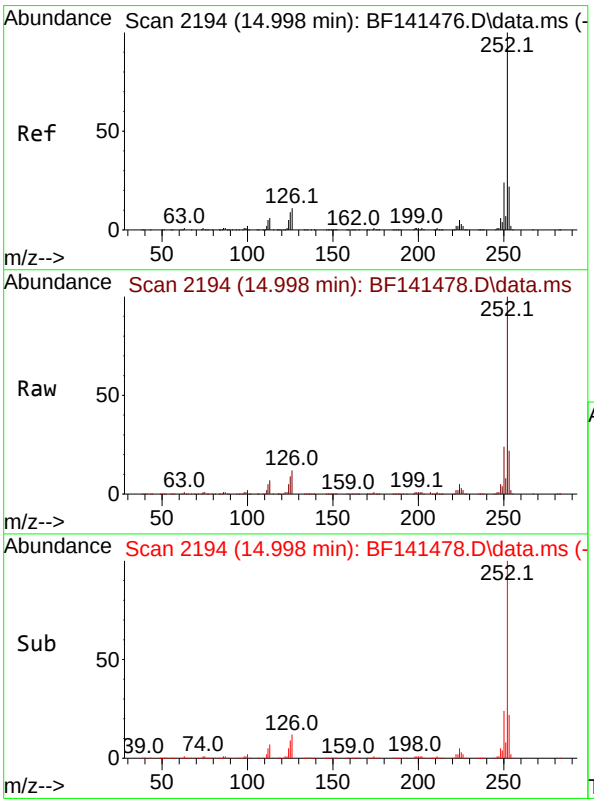
#87
Indeno(1,2,3-cd)pyrene
Concen: 68.464 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 723493

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.0	27.0
277	25.5	20.4	30.6

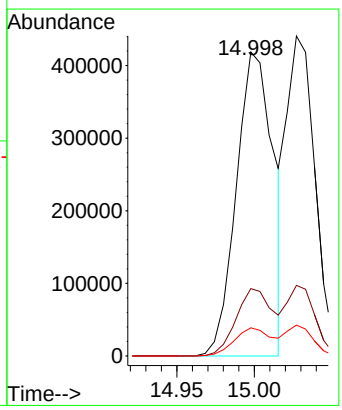


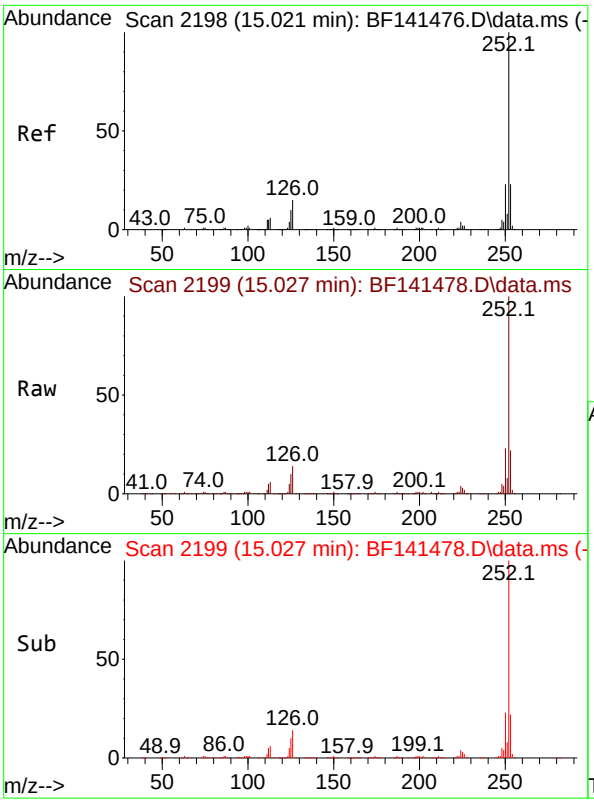


#88
Benzo(b)fluoranthene
Concen: 60.575 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 695617

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.3	7.0	10.6



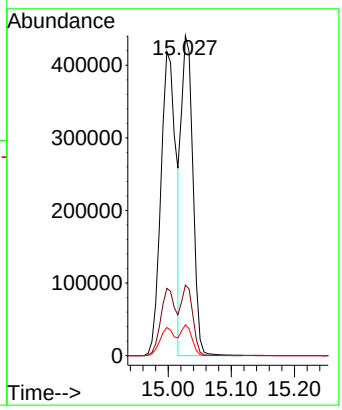


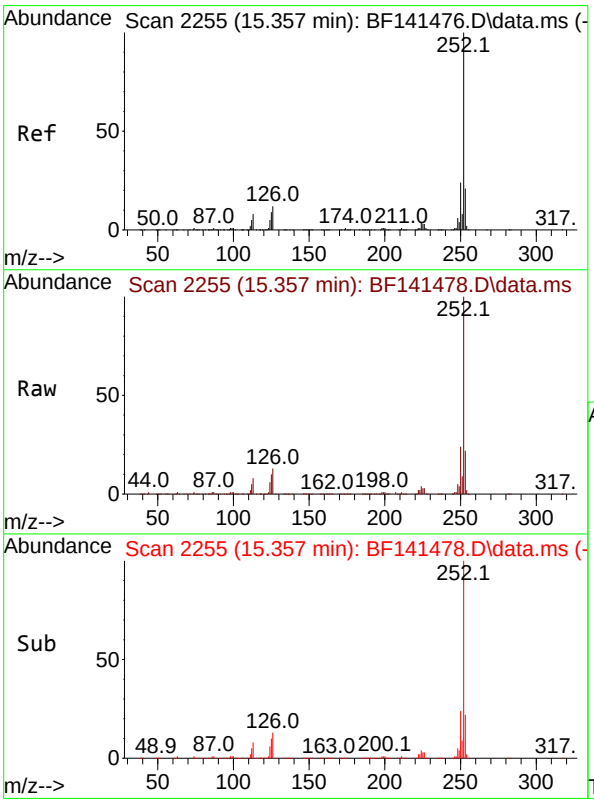
#89
Benzo(k)fluoranthene
Concen: 57.449 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 563342

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.6	7.4	11.0

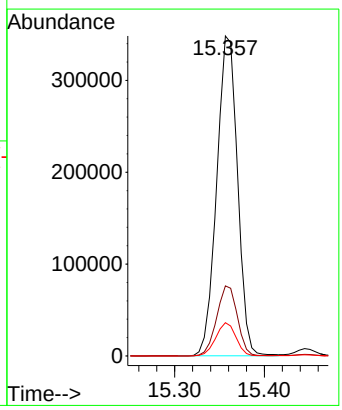


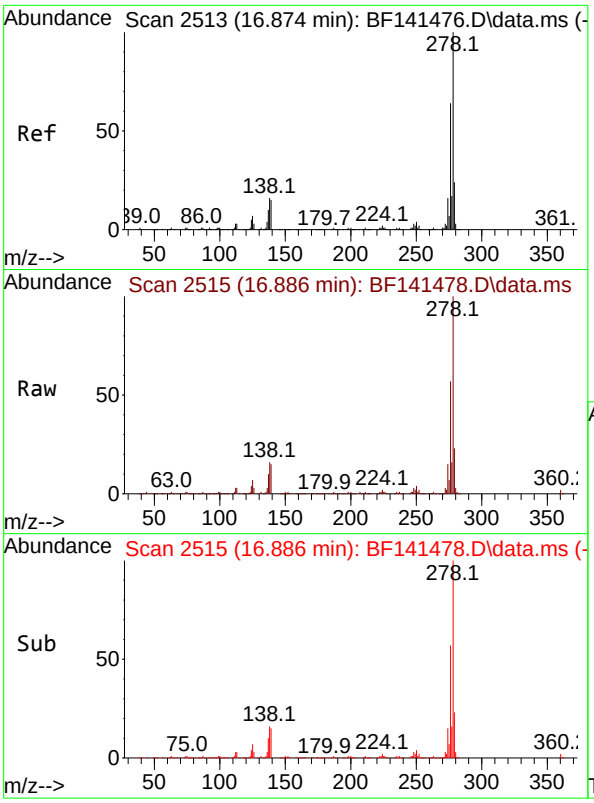


#90
Benzo(a)pyrene
Concen: 60.423 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 561457

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	10.4	7.4	11.2



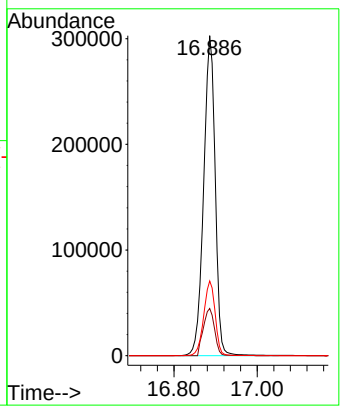


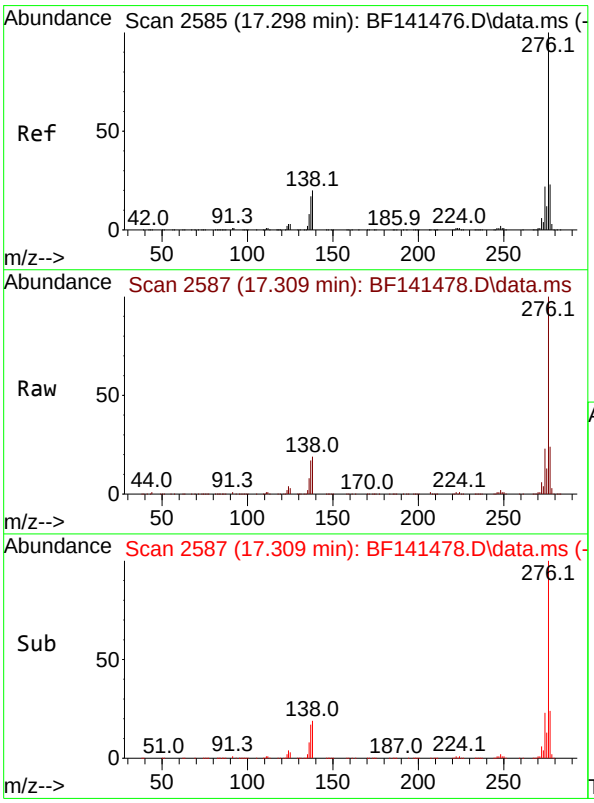
#91
Dibenzo(a,h)anthracene
Concen: 68.216 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 584115

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.6
279	23.4	19.1	28.7

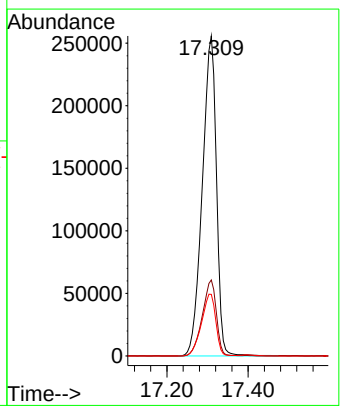




#92
Benzo(g,h,i)perylene
Concen: 68.884 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:276 Resp: 617241

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	19.3	15.9	23.9



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	90415	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	341252	20.000	ng		0.00
39) Acenaphthene-d10	9.833	164	186230	20.000	ng		0.00
64) Phenanthrene-d10	11.316	188	312902	20.000	ng		0.00
76) Chrysene-d12	13.962	240	184347	20.000	ng		0.00
86) Perylene-d12	15.415	264	170605	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	878184	152.272	ng		0.00
7) Phenol-d6	6.439	99	1112281	152.591	ng		0.00
23) Nitrobenzene-d5	7.363	82	1048314	160.228	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	291947	156.058	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	1789795	148.066	ng		0.00
79) Terphenyl-d14	12.904	244	1781602	163.152	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.481	88	181328	78.119	ng		99
3) Pyridine	3.216	79	435462	78.838	ng		99
4) n-Nitrosodimethylamine	3.187	42	301403	82.409	ng		97
6) Aniline	6.463	93	498556	72.913	ng		94
8) 2-Chlorophenol	6.586	128	470975	75.577	ng		99
10) Phenol	6.457	94	567332	74.779	ng		99
11) bis(2-Chloroethyl)ether	6.534	93	454141	79.695	ng		99
12) 1,3-Dichlorobenzene	6.734	146	494180	75.115	ng		99
13) 1,4-Dichlorobenzene	6.810	146	498585	74.175	ng		99
14) 1,2-Dichlorobenzene	6.963	146	464559	74.465	ng		99
15) Benzyl Alcohol	6.939	79	420673	75.258	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	708318	72.613	ng		77
17) 2-Methylphenol	7.057	107	370173	75.912	ng		97
18) Hexachloroethane	7.304	117	190062	76.402	ng		97
19) n-Nitroso-di-n-propyla...	7.216	70	328097	75.249	ng		98
20) 3+4-Methylphenols	7.216	107	450046	72.613	ng	#	88
22) Acetophenone	7.210	105	652334	76.846	ng		98
24) Nitrobenzene	7.381	77	513249	80.448	ng		98
25) Isophorone	7.622	82	838076	80.337	ng		99
26) 2-Nitrophenol	7.692	139	261386	82.350	ng		98
27) 2,4-Dimethylphenol	7.733	122	300036	80.915	ng		98
28) bis(2-Chloroethoxy)met...	7.828	93	529442	79.203	ng		99
29) 2,4-Dichlorophenol	7.939	162	399027	79.645	ng		98
30) 1,2,4-Trichlorobenzene	8.016	180	428656	78.568	ng		99
31) Naphthalene	8.098	128	1381453	77.769	ng		100
32) Benzoic acid	7.892	122	335418	87.086	ng		98
33) 4-Chloroaniline	8.157	127	504834	81.400	ng		98
34) Hexachlorobutadiene	8.210	225	257532	78.628	ng		100
35) Caprolactam	8.545	113	125619	82.350	ng		97
36) 4-Chloro-3-methylphenol	8.639	107	441925	79.630	ng		98
37) 2-Methylnaphthalene	8.786	142	889774	76.975	ng		100
38) 1-Methylnaphthalene	8.886	142	861860	76.983	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	418579	77.689	ng		99
41) Hexachlorocyclopentadiene	8.939	237	159430	88.965	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	277156	79.591	ng		97
44) 2,4,5-Trichlorophenol	9.116	196	298856	79.189	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.257	154	1100720	76.237	ng	99
47) 2-Chloronaphthalene	9.280	162	821334	76.929	ng	99
48) 2-Nitroaniline	9.380	65	286532	79.969	ng	97
49) Acenaphthylene	9.692	152	1211515	76.291	ng	99
50) Dimethylphthalate	9.563	163	1002121	79.265	ng	99
51) 2,6-Dinitrotoluene	9.622	165	215853	78.101	ng	94
52) Acenaphthene	9.869	154	819818	76.791	ng	99
53) 3-Nitroaniline	9.792	138	235511	79.173	ng	97
54) 2,4-Dinitrophenol	9.904	184	147768	89.960	ng	95
55) Dibenzofuran	10.039	168	1174157	74.928	ng	100
56) 4-Nitrophenol	9.969	139	187131	84.744	ng	97
57) 2,4-Dinitrotoluene	10.027	165	284954	77.449	ng	95
58) Fluorene	10.380	166	909704	75.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	253454	78.006	ng	98
60) Diethylphthalate	10.257	149	945293	75.995	ng	100
61) 4-Chlorophenyl-phenyle...	10.374	204	435522	74.716	ng	99
62) 4-Nitroaniline	10.416	138	241257	79.873	ng	99
63) Azobenzene	10.533	77	963689	77.931	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	185427	85.309	ng	99
66) n-Nitrosodiphenylamine	10.498	169	785313	78.404	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	276228	78.988	ng	96
68) Hexachlorobenzene	10.927	284	285111	79.174	ng	97
69) Atrazine	11.021	200	219923	73.188	ng	100
70) Pentachlorophenol	11.127	266	200556	87.100	ng	99
71) Phenanthrene	11.345	178	1312474	76.201	ng	100
72) Anthracene	11.398	178	1322462	76.380	ng	99
73) Carbazole	11.551	167	1168253	74.989	ng	99
74) Di-n-butylphthalate	11.880	149	1382706	76.865	ng	99
75) Fluoranthene	12.533	202	1333237	73.011	ng	100
77) Benzidine	12.657	184	354555	87.207	ng	99
78) Pyrene	12.763	202	1319554	84.086	ng	100
80) Butylbenzylphthalate	13.380	149	459803	84.592	ng	100
81) Benzo(a)anthracene	13.951	228	943291	76.977	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	263773	75.143	ng	100
83) Chrysene	13.992	228	906415	80.108	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	517884	84.477	ng	99
85) Di-n-octyl phthalate	14.562	149	803601	91.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	961023	91.166	ng	100
88) Benzo(b)fluoranthene	15.004	252	865205	75.529	ng	100
89) Benzo(k)fluoranthene	15.033	252	776323	79.364	ng	99
90) Benzo(a)pyrene	15.362	252	742932	80.150	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	773684	90.578	ng	99
92) Benzo(g,h,i)perylene	17.315	276	831418	93.015	ng	99

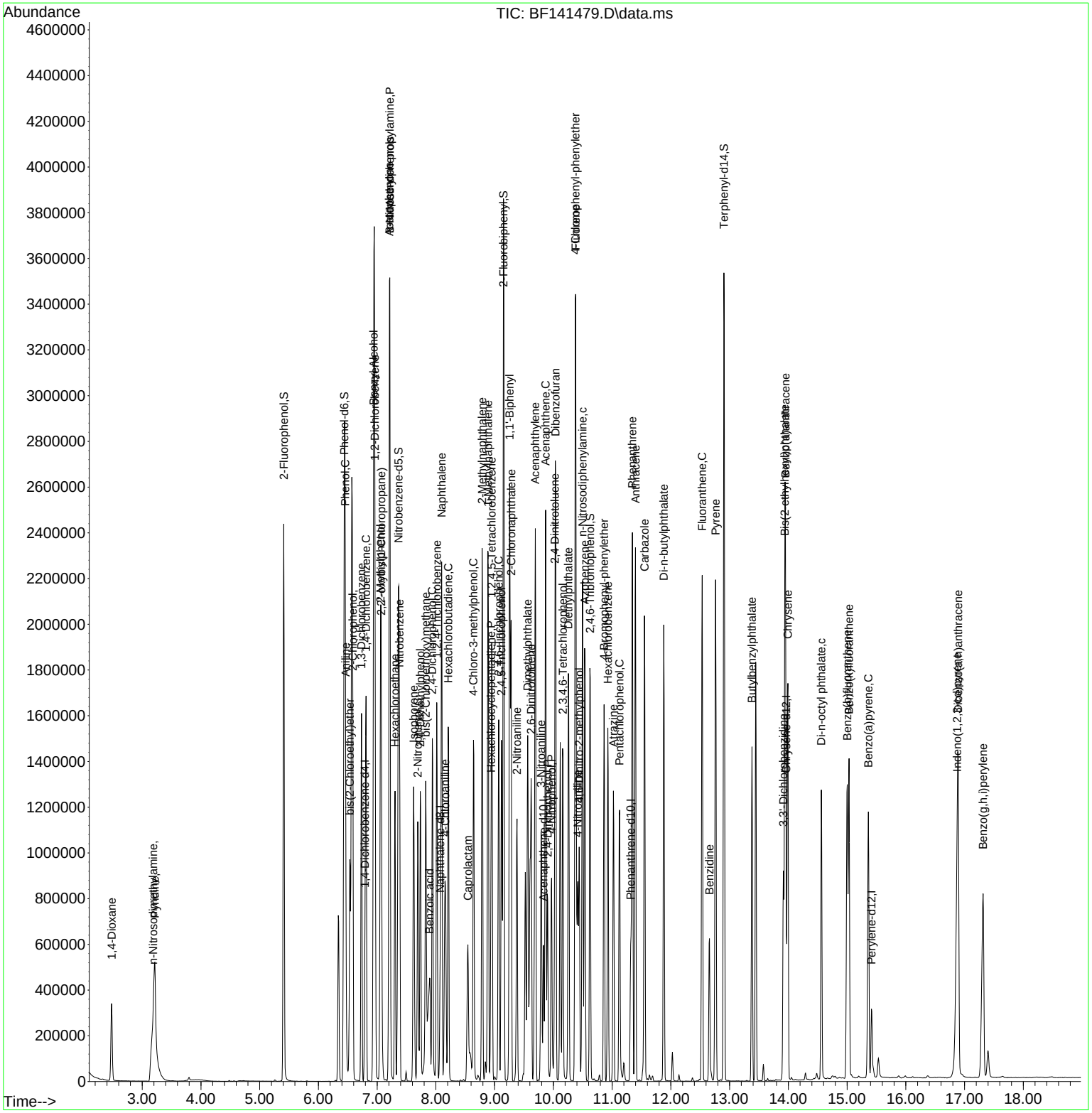
(#) = qualifier out of range (m) = manual integration (+) = signals summed

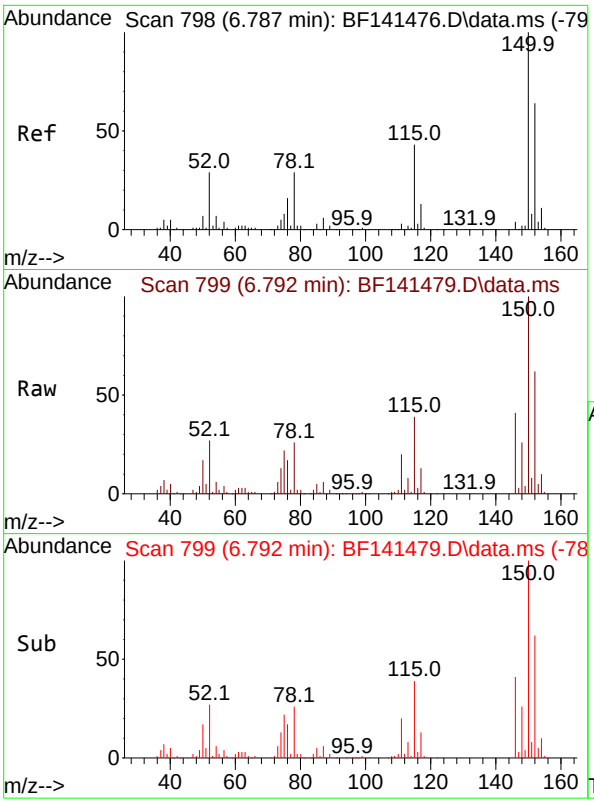
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



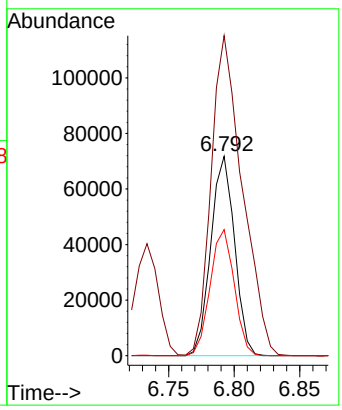


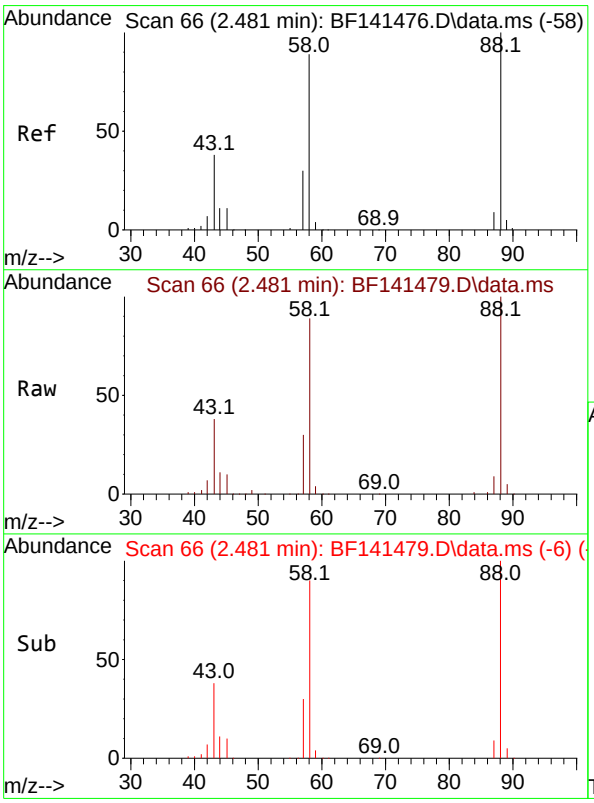
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 90415

Ion	Ratio	Lower	Upper
152	100		
150	160.5	125.0	187.4
115	63.2	53.6	80.4

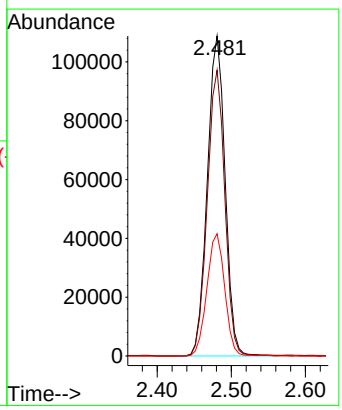


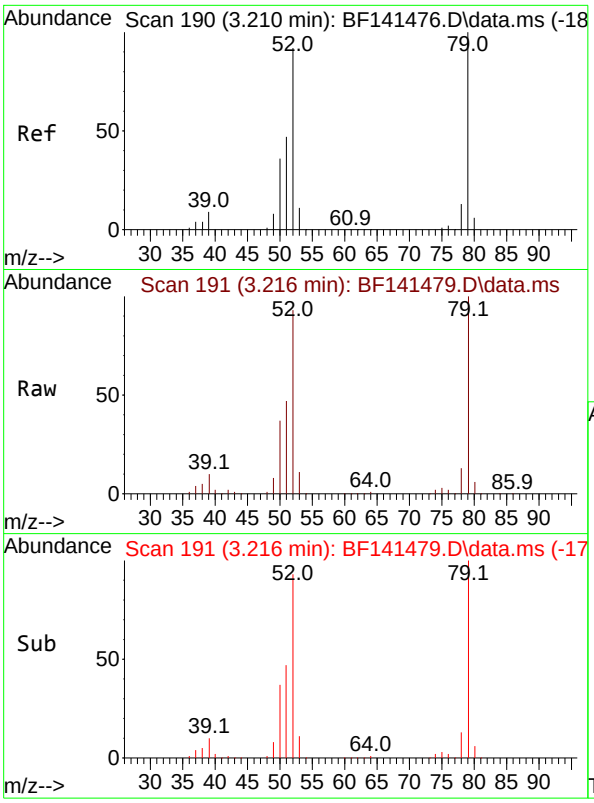


#2
1,4-Dioxane
Concen: 78.119 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 88 Resp: 181328

Ion	Ratio	Lower	Upper
88	100		
58	88.2	71.1	106.7
43	38.3	30.6	46.0



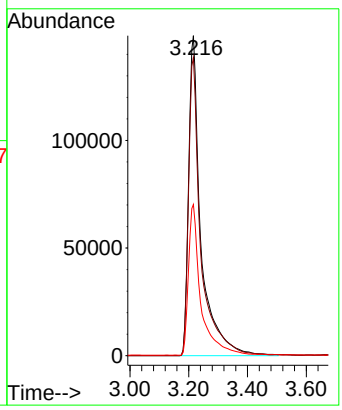


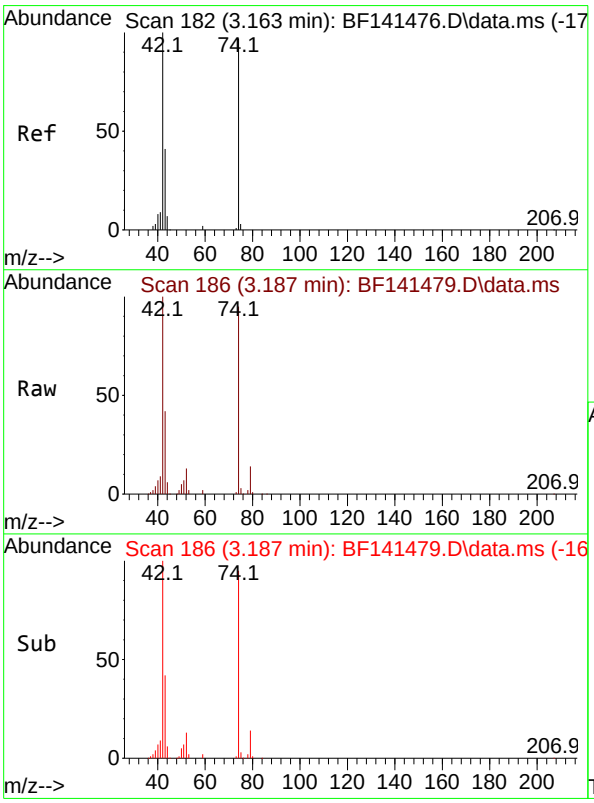
#3
Pyridine
Concen: 78.838 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 435462

Ion	Ratio	Lower	Upper
79	100		
52	93.2	73.7	110.5
51	47.3	37.5	56.3

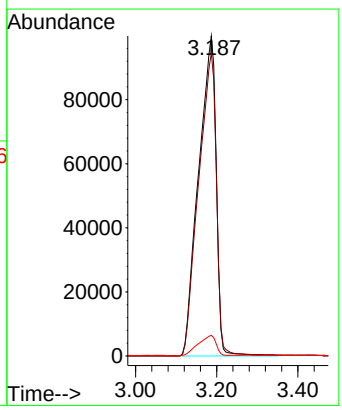


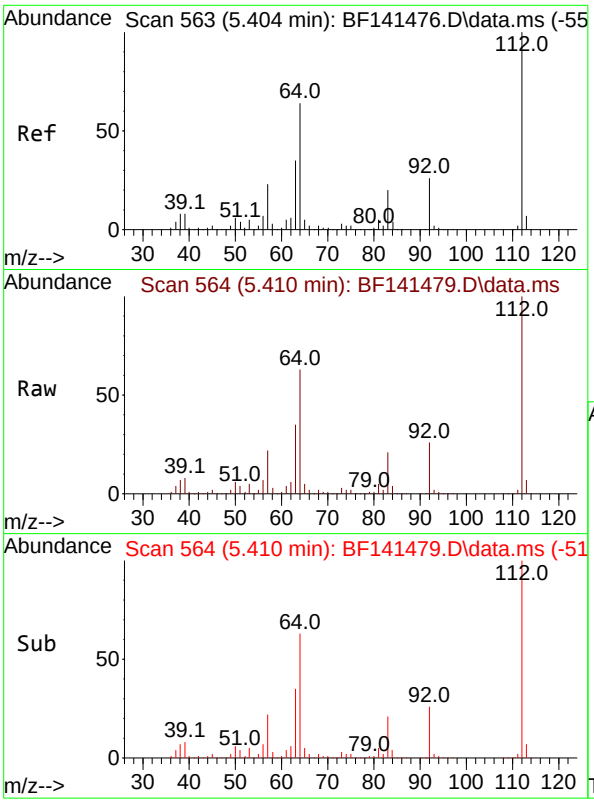


#4
n-Nitrosodimethylamine
Concen: 82.409 ng
RT: 3.187 min Scan# 186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 42 Resp: 301403

Ion	Ratio	Lower	Upper
42	100		
74	94.7	78.0	117.0
44	6.4	5.4	8.2



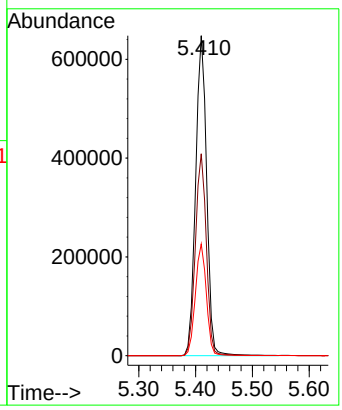


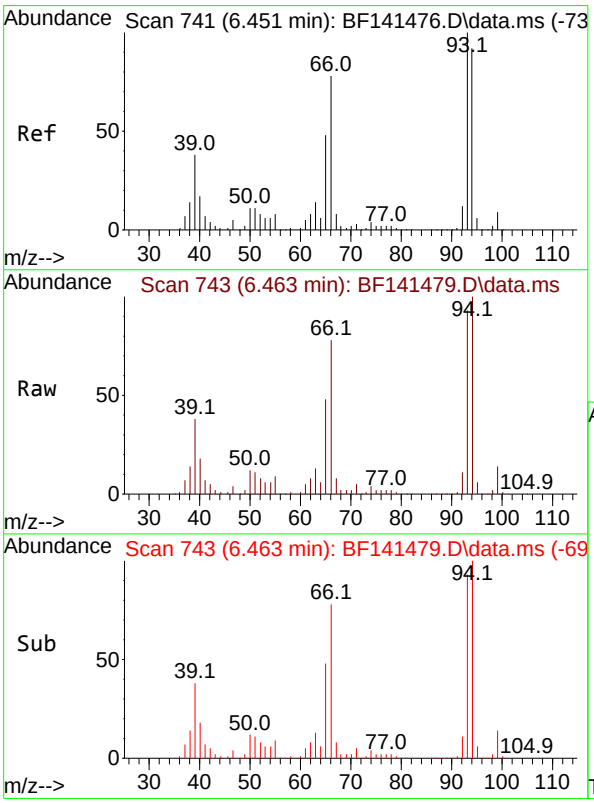
#5
2-Fluorophenol
Concen: 152.272 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 878184

Ion	Ratio	Lower	Upper
112	100		
64	63.1	51.1	76.7
63	34.9	28.4	42.6

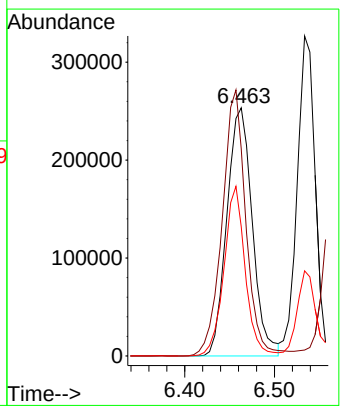


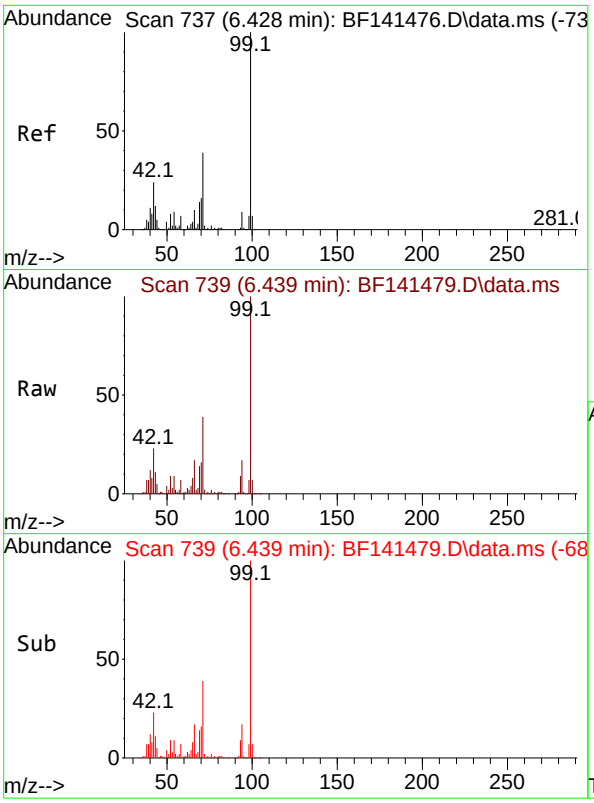


#6
Aniline
Concen: 72.913 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 93 Resp: 498556

Ion	Ratio	Lower	Upper
93	100		
66	83.5	62.6	94.0
65	52.1	38.3	57.5



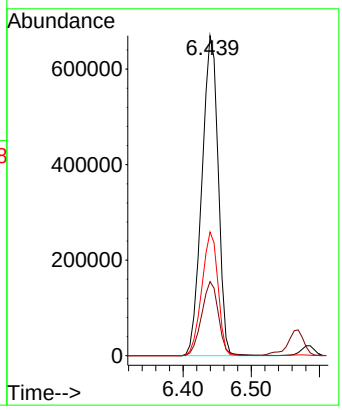


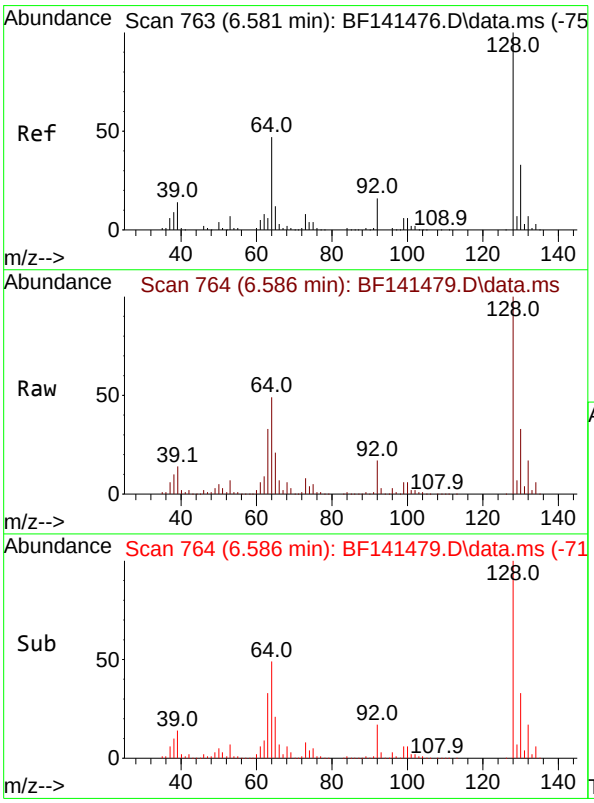
#7
Phenol-d6
Concen: 152.591 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1112281

Ion	Ratio	Lower	Upper
99	100		
42	23.2	19.1	28.7
71	38.7	31.1	46.7

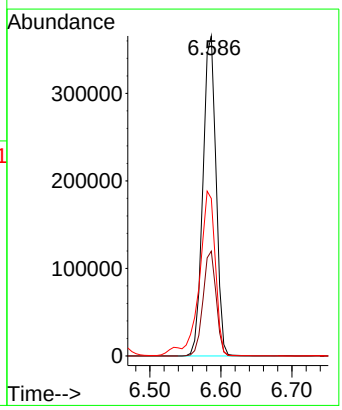


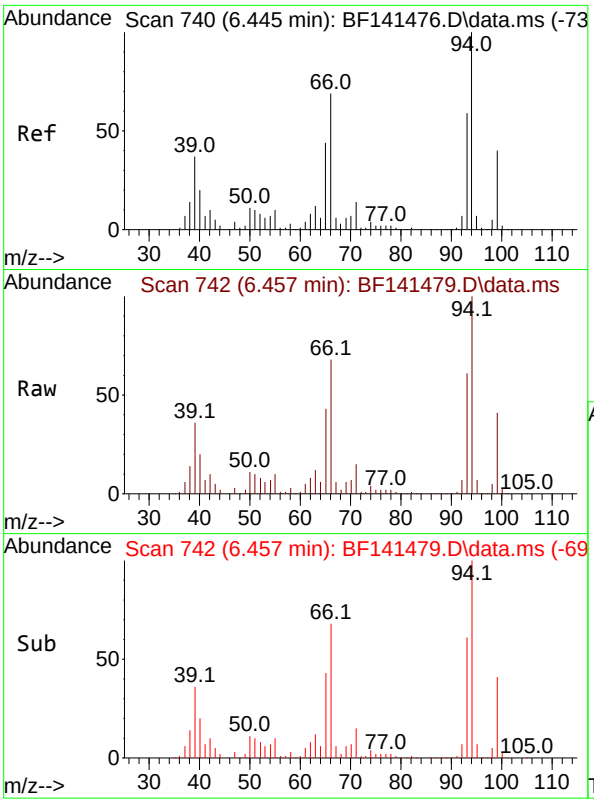


#8
2-Chlorophenol
Concen: 75.577 ng
RT: 6.586 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:128 Resp: 470975

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	49.2	28.3	68.3



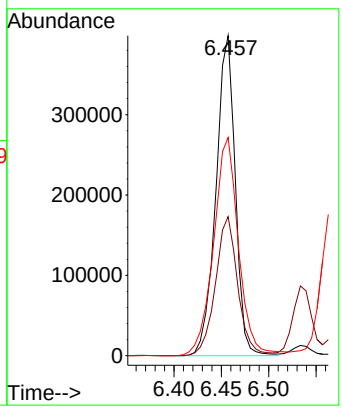


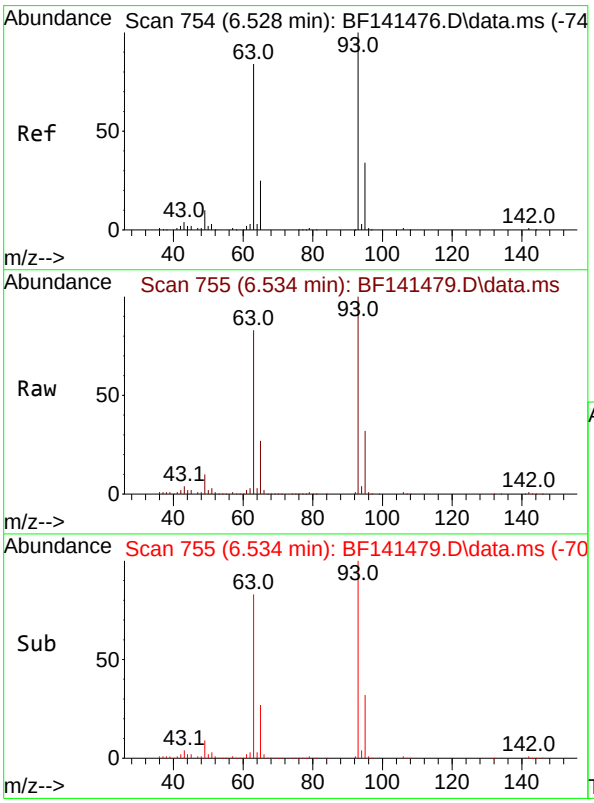
#10
Phenol
Concen: 74.779 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 567332

Ion	Ratio	Lower	Upper
94	100		
65	43.5	23.7	63.7
66	68.2	49.3	89.3

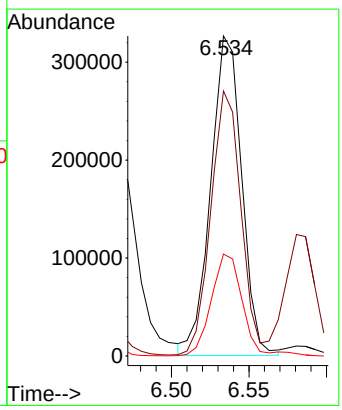


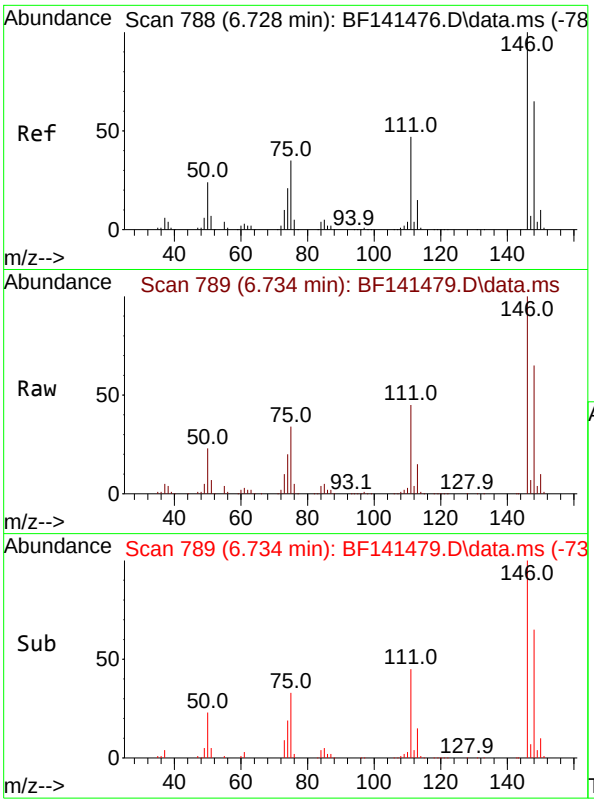


#11
bis(2-Chloroethyl)ether
Concen: 79.695 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 93 Resp: 454141

Ion	Ratio	Lower	Upper
93	100		
63	82.8	62.0	102.0
95	31.9	12.6	52.6



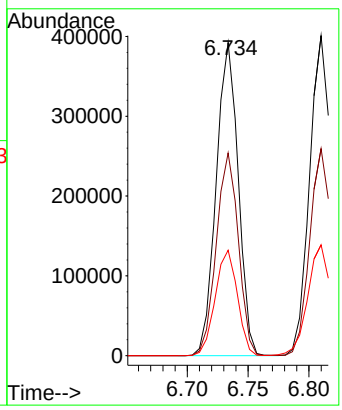


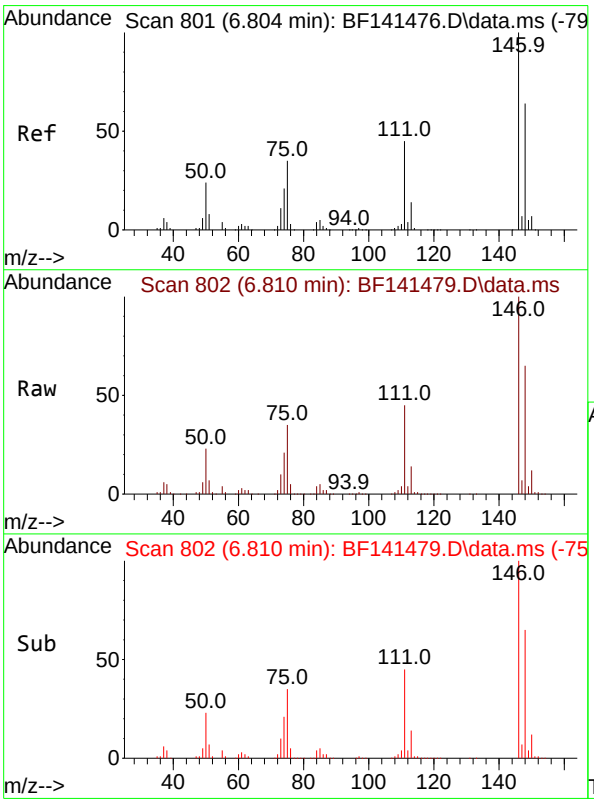
#12
1,3-Dichlorobenzene
Concen: 75.115 ng
RT: 6.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 494180

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.9	77.9
75	33.7	28.2	42.2

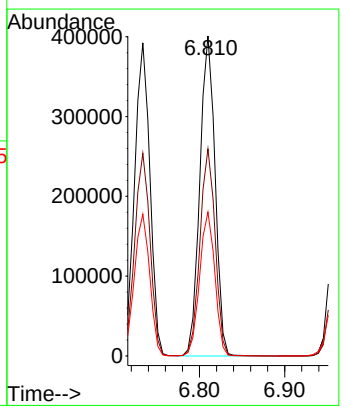


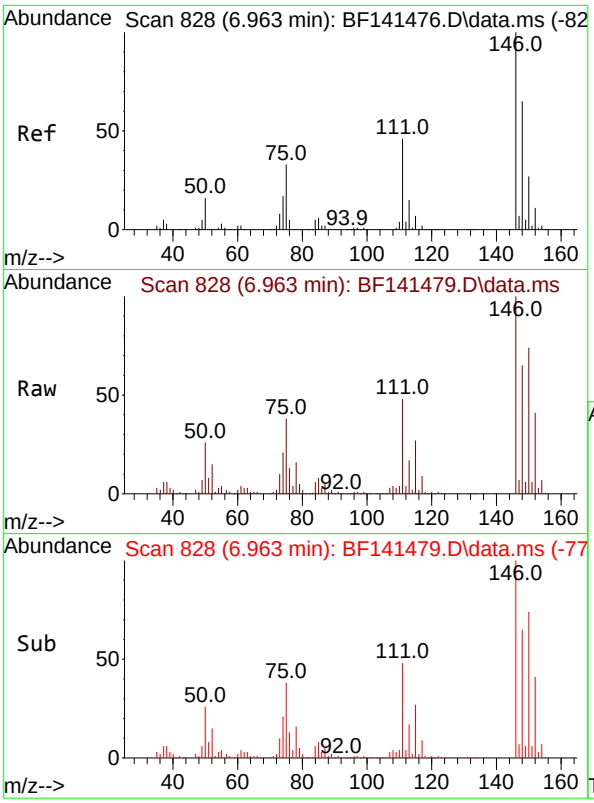


#13
1,4-Dichlorobenzene
Concen: 74.175 ng
RT: 6.810 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:146 Resp: 498585

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.9	76.3
111	44.9	35.9	53.9



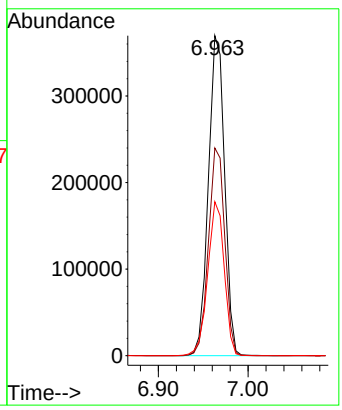


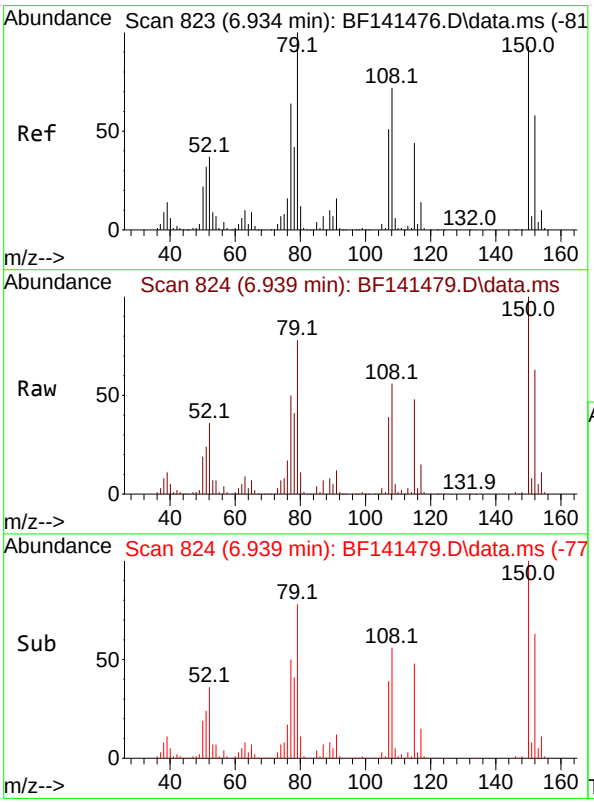
#14
1,2-Dichlorobenzene
Concen: 74.465 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 464559

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
111	48.1	37.0	55.4

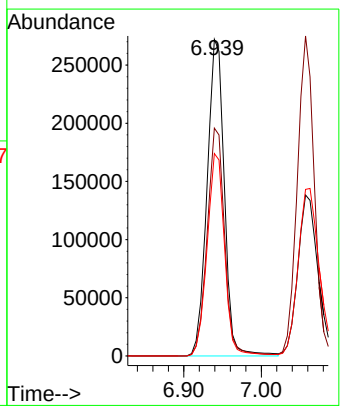


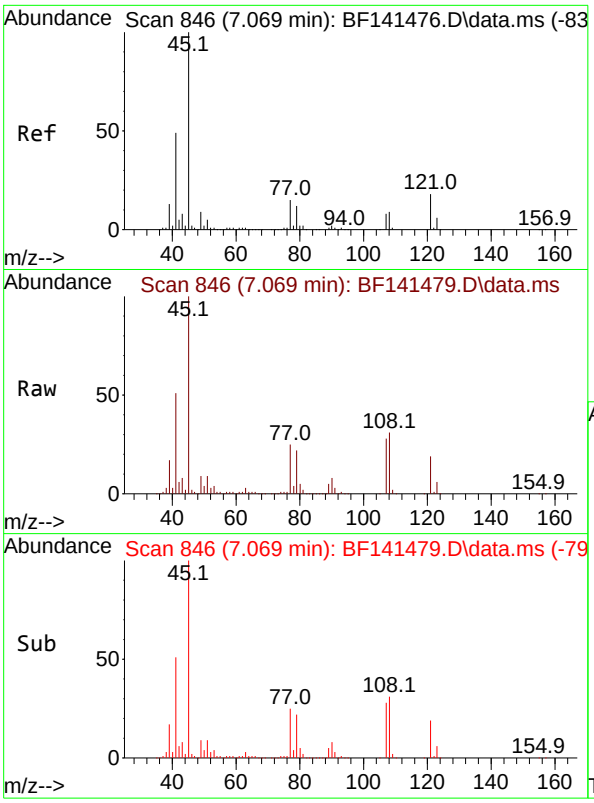


#15
Benzyl Alcohol
Concen: 75.258 ng
RT: 6.939 min Scan# 824
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 79 Resp: 420673

Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.4	86.2
77	64.0	50.9	76.3



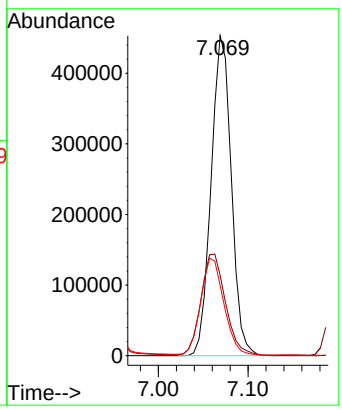


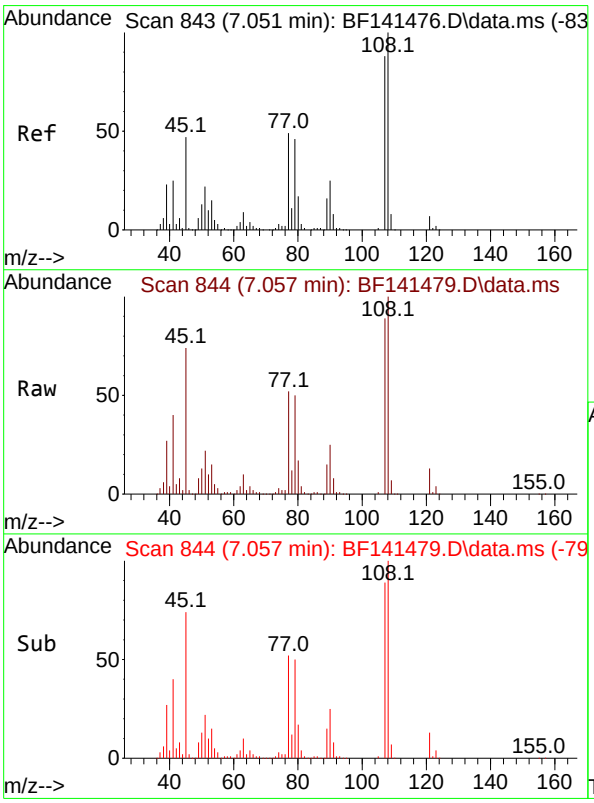
#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.613 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 708318

Ion	Ratio	Lower	Upper
45	100		
77	25.1	0.0	35.8
79	22.0	0.0	32.7

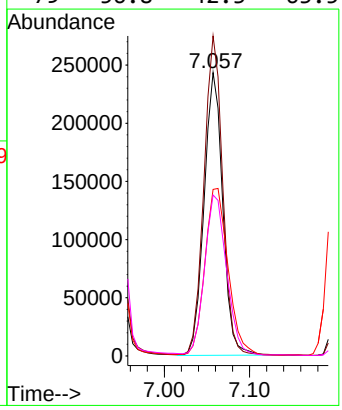


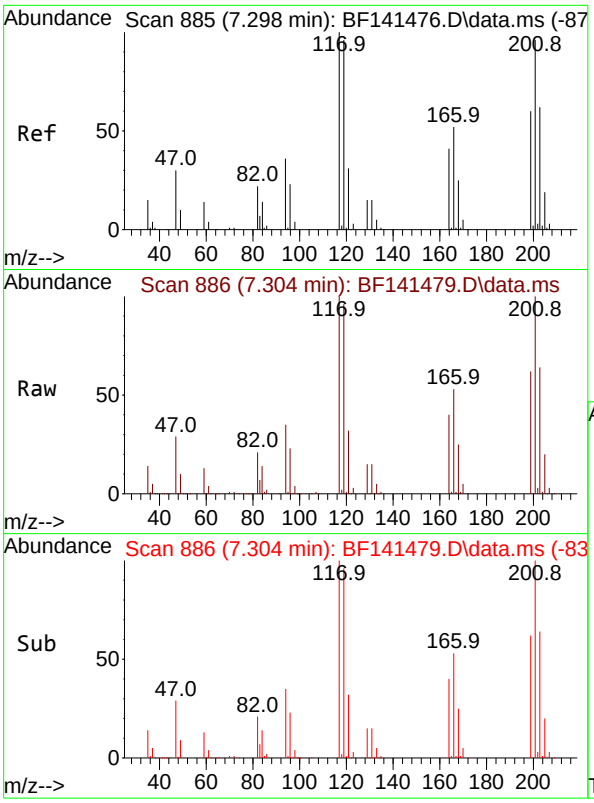


#17
2-Methylphenol
Concen: 75.912 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:107 Resp: 370173

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.6	136.0
77	58.7	44.4	66.6
79	56.8	42.3	63.5



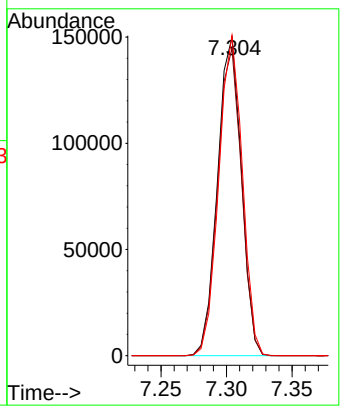


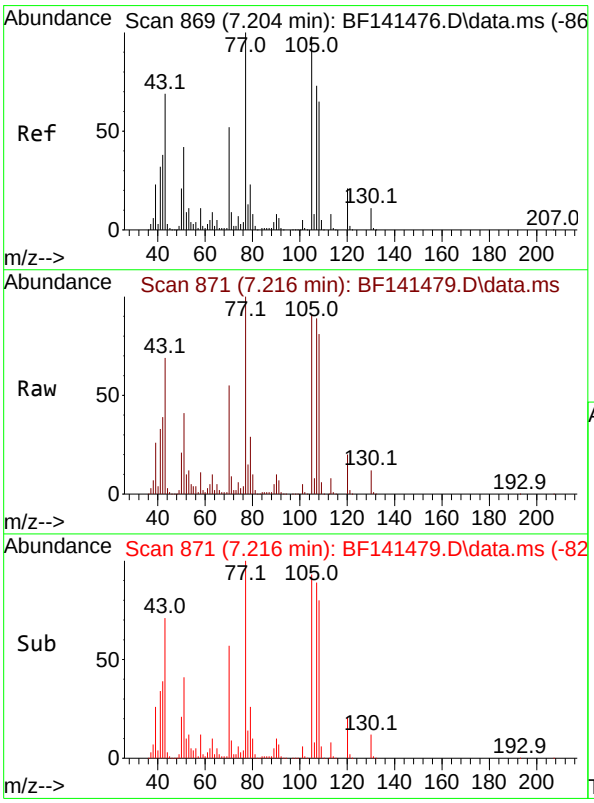
#18
Hexachloroethane
Concen: 76.402 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 190062

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.5	114.7
201	100.5	76.7	115.1

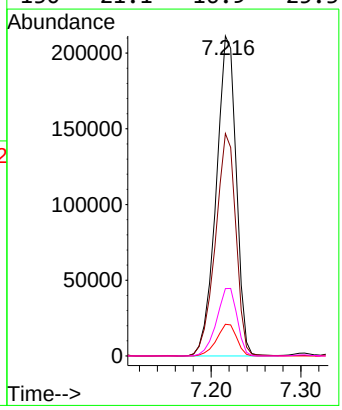


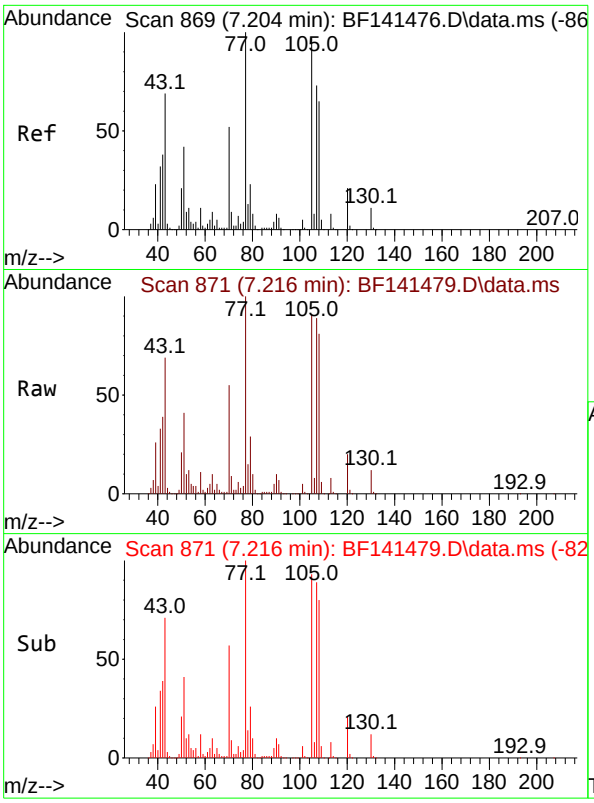


#19
n-Nitroso-di-n-propylamine
Concen: 75.249 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 70 Resp: 328097

Ion	Ratio	Lower	Upper
70	100		
42	69.5	57.4	86.2
101	9.9	8.0	12.0
130	21.1	16.9	25.3



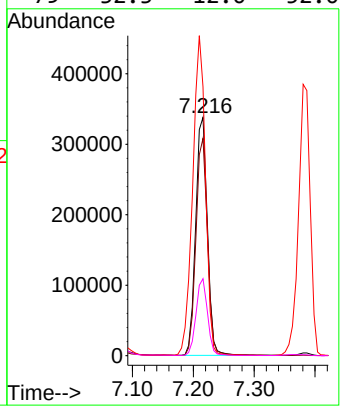


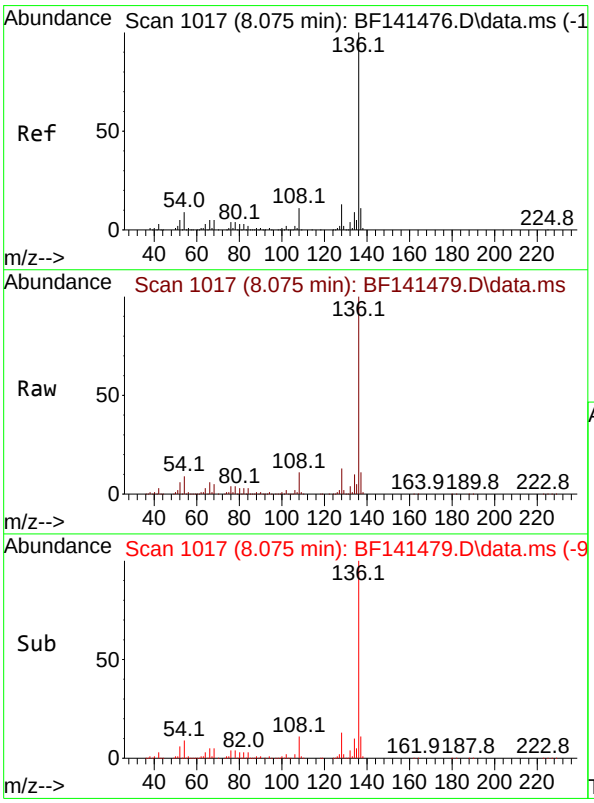
#20
3+4-Methylphenols
Concen: 72.613 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 450046

Ion	Ratio	Lower	Upper
107	100		
108	91.3	68.5	108.5
77	112.8	116.5	156.5#
79	32.3	12.0	52.0

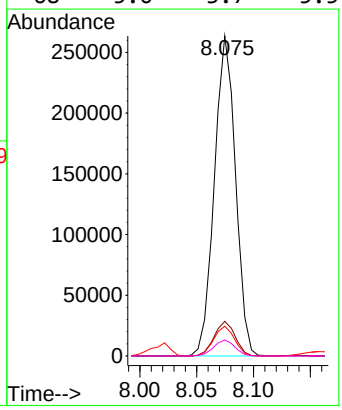


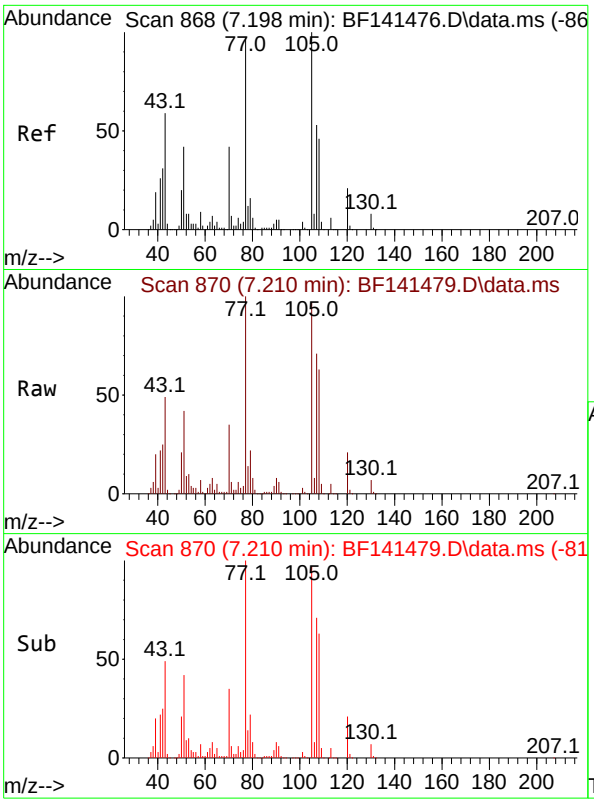


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:136 Resp: 341252

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.3	7.2	10.8
68	5.0	3.7	5.5



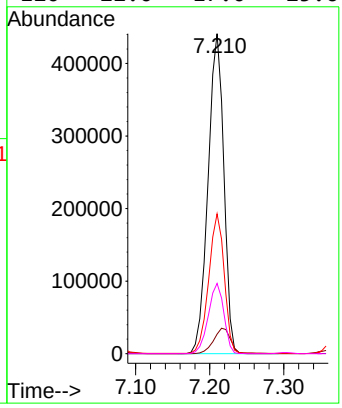


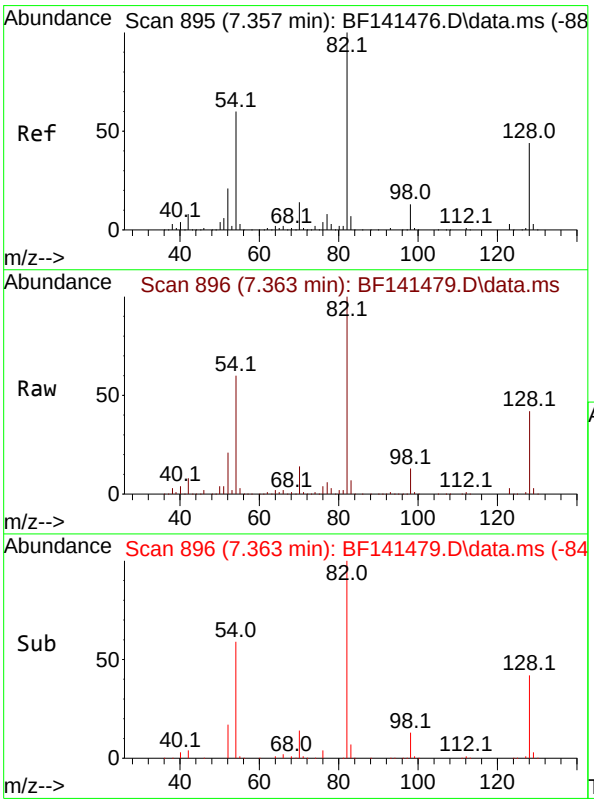
#22
Acetophenone
Concen: 76.846 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 652334

Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.7	8.5
51	43.7	33.7	50.5
120	22.0	17.0	25.6

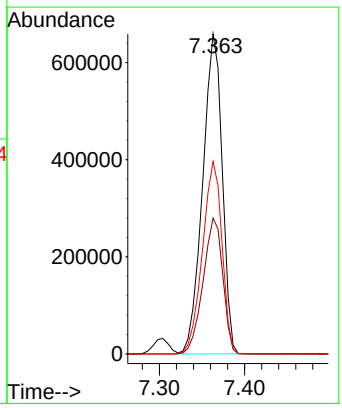


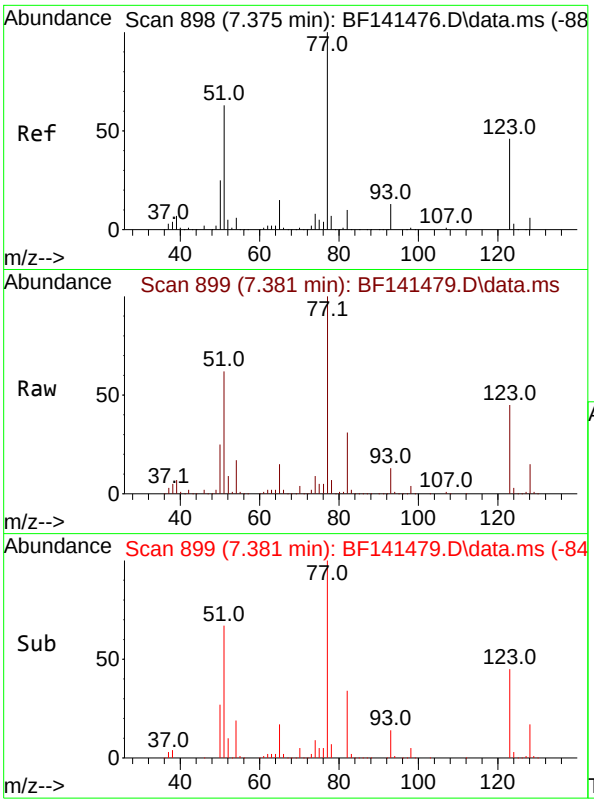


#23
Nitrobenzene-d5
Concen: 160.228 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 82 Resp: 1048314

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	60.1	48.2	72.4



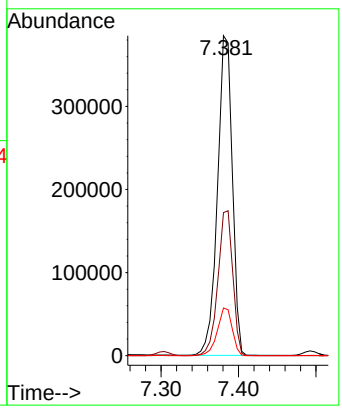


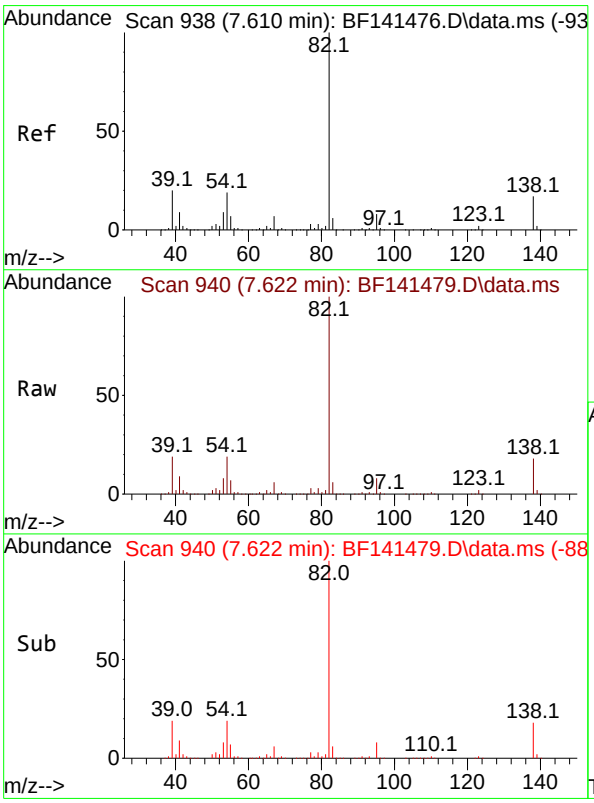
#24
Nitrobenzene
Concen: 80.448 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 513249

Ion	Ratio	Lower	Upper
77	100		
123	44.7	36.9	55.3
65	14.9	11.9	17.9

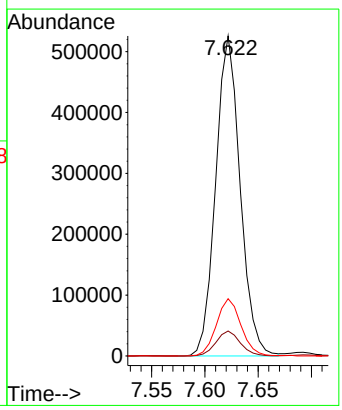


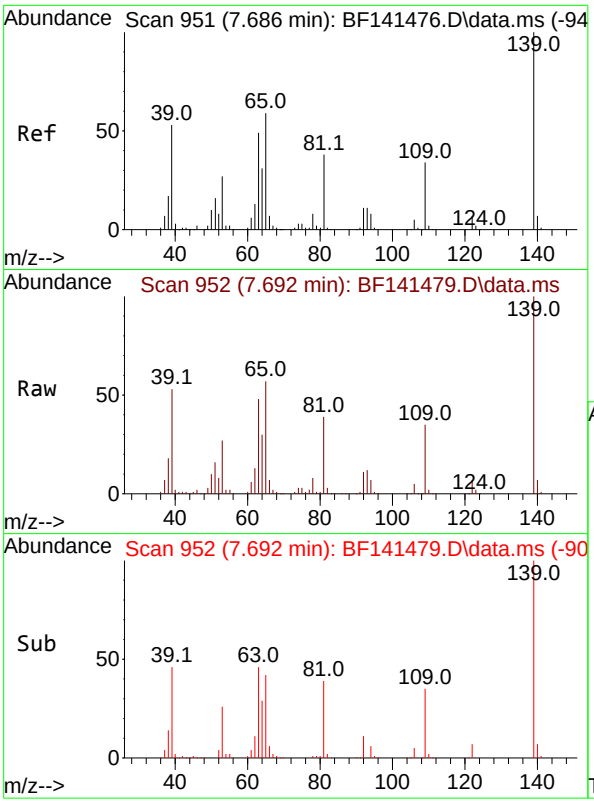


#25
Isophorone
Concen: 80.337 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 82 Resp: 838076

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.9	13.9	20.9



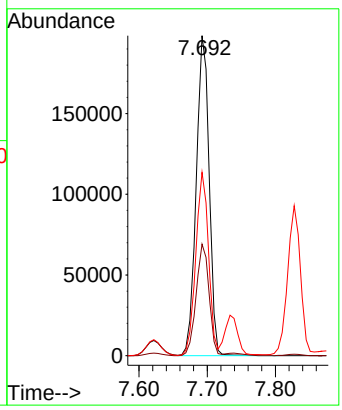


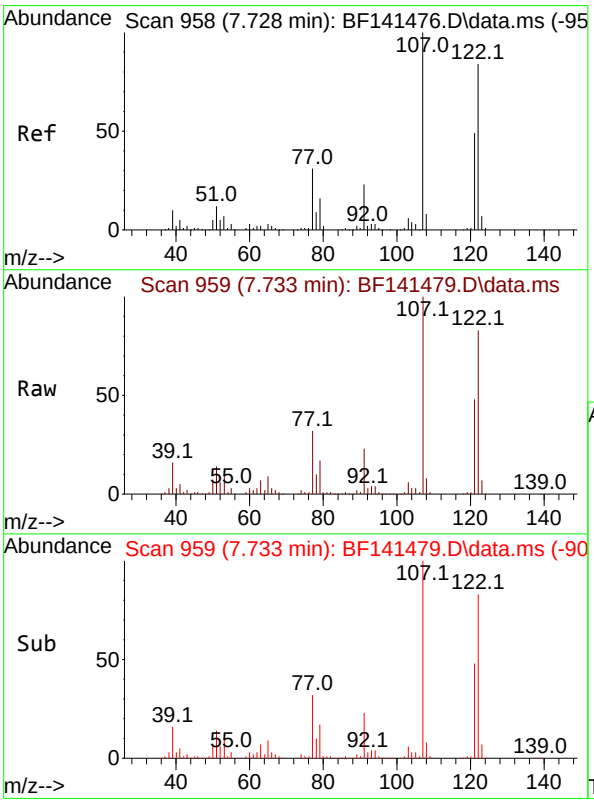
#26
2-Nitrophenol
Concen: 82.350 ng
RT: 7.692 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 261386

Ion	Ratio	Lower	Upper
139	100		
109	34.9	27.0	40.6
65	57.3	47.1	70.7

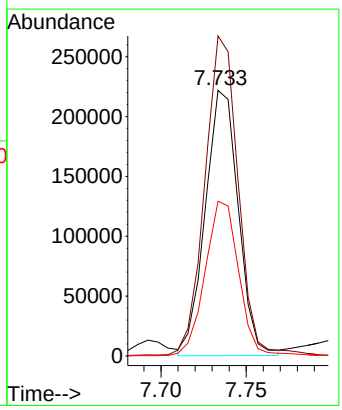


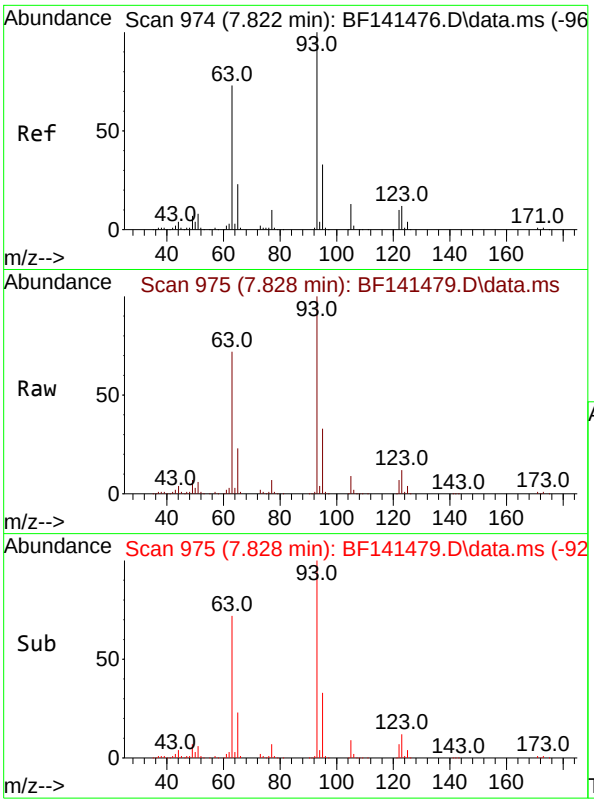


#27
2,4-Dimethylphenol
Concen: 80.915 ng
RT: 7.733 min Scan# 959
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:122 Resp: 300036

Ion	Ratio	Lower	Upper
122	100		
107	120.5	94.3	141.5
121	58.3	46.0	69.0



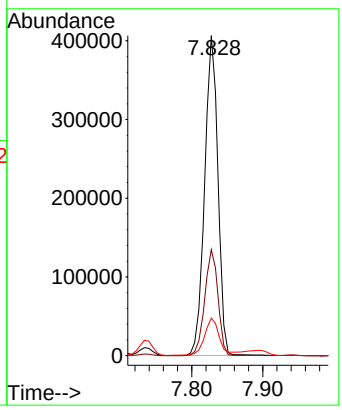


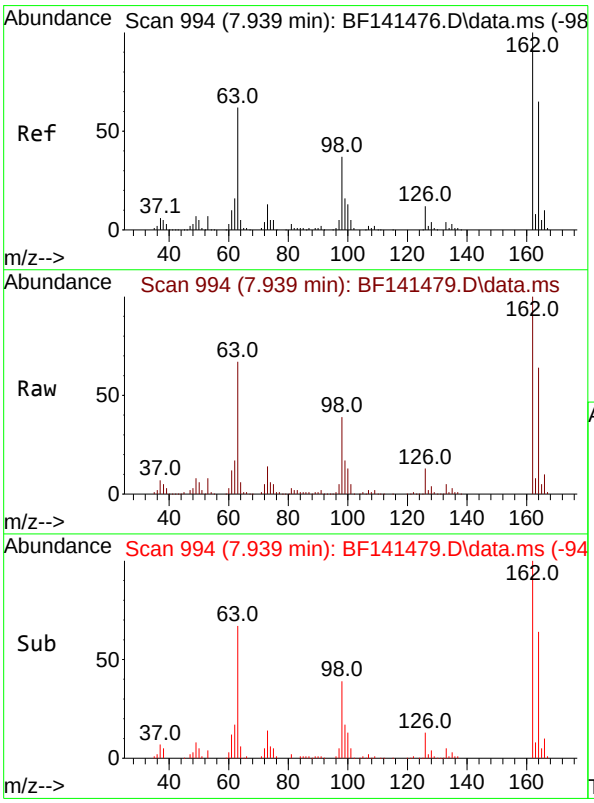
#28
bis(2-Chloroethoxy)methane
Concen: 79.203 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 529442

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.1	39.1
123	11.8	9.5	14.3

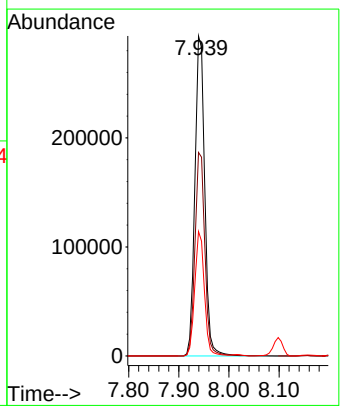


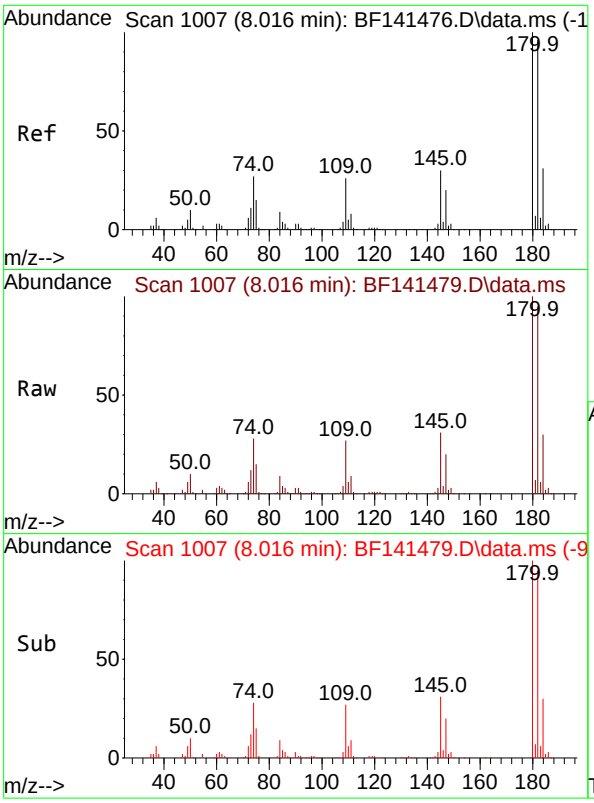


#29
2,4-Dichlorophenol
Concen: 79.645 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:162 Resp: 399027

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.6	84.6
98	38.9	17.2	57.2



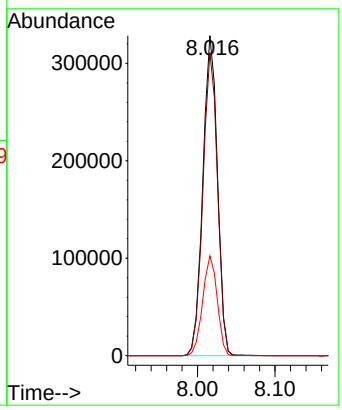


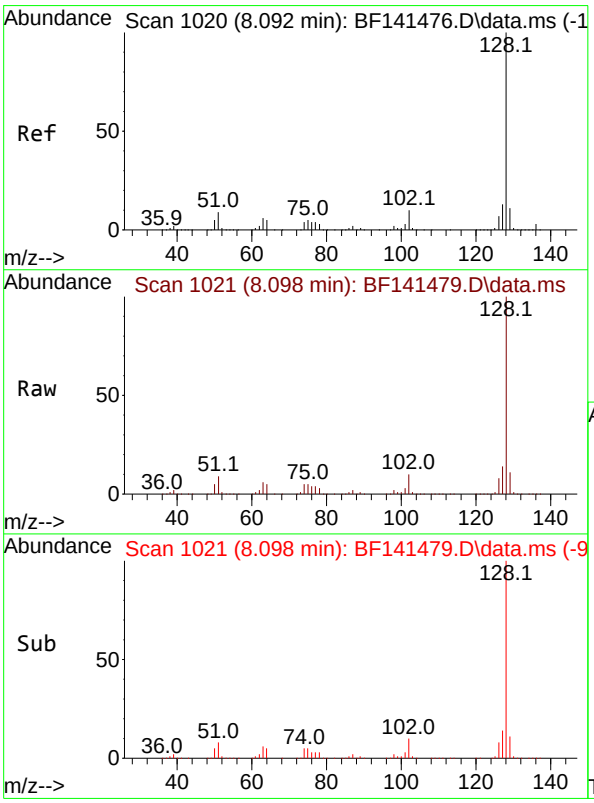
#30
1,2,4-Trichlorobenzene
Concen: 78.568 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 428656

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.8	115.2
145	31.2	24.2	36.4

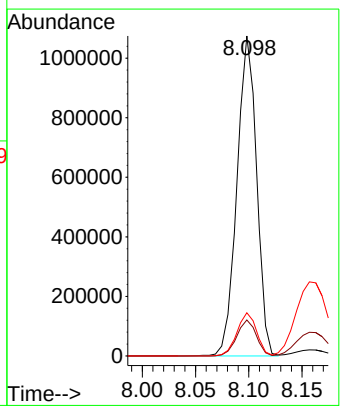


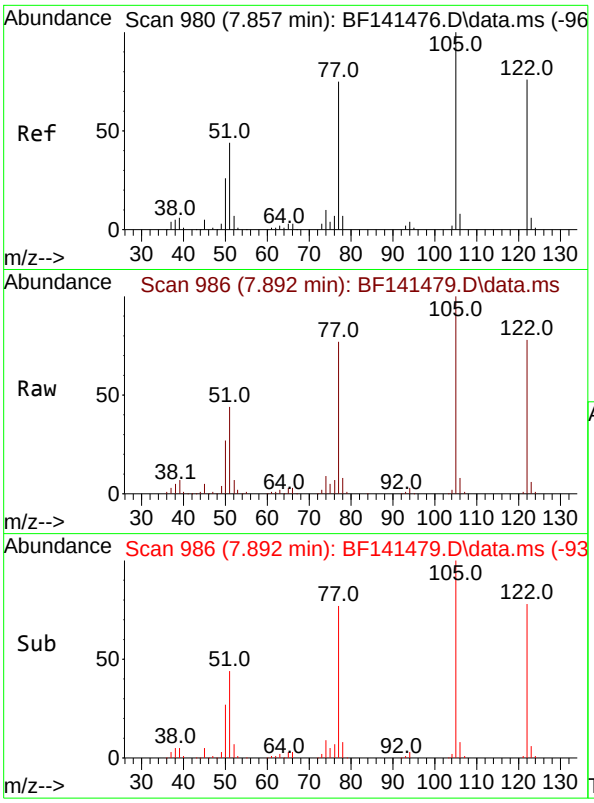


#31
Naphthalene
Concen: 77.769 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:128 Resp: 1381453

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.5	10.7	16.1



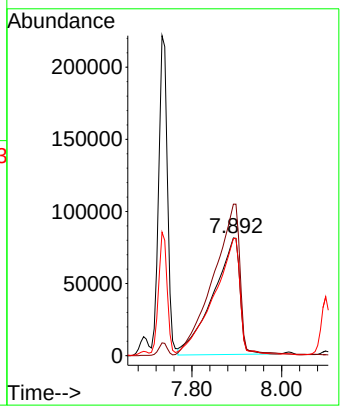


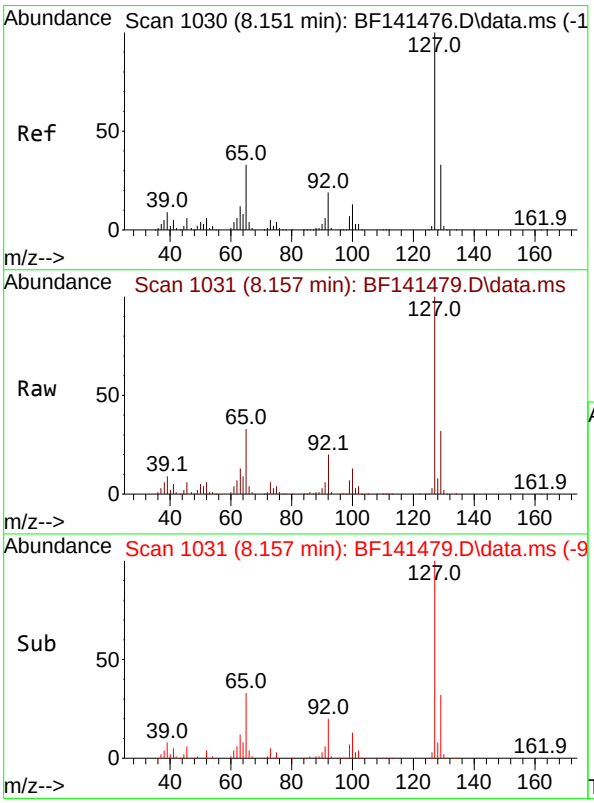
#32
Benzoic acid
Concen: 87.086 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 335418

Ion	Ratio	Lower	Upper
122	100		
105	128.7	106.5	146.5
77	99.4	76.3	116.3

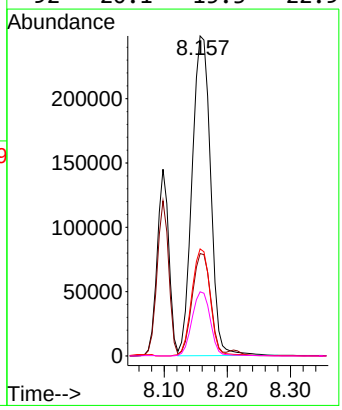


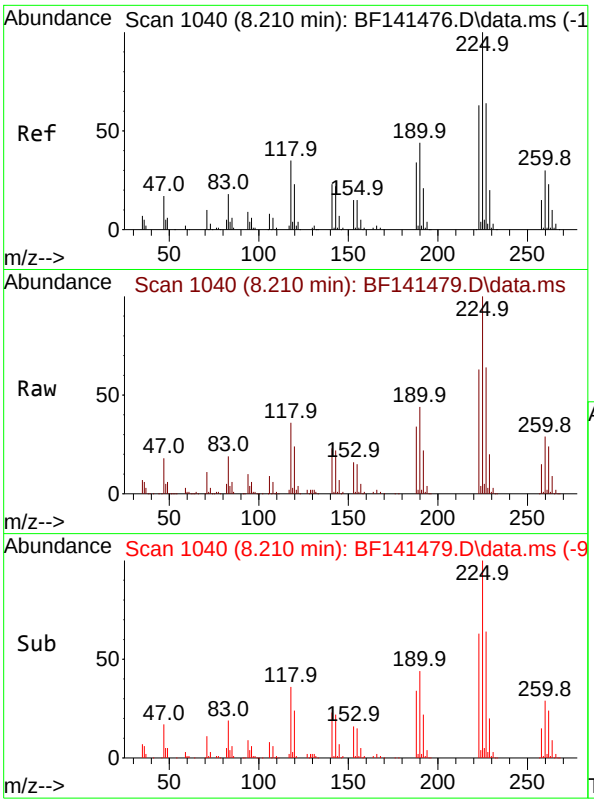


#33
4-Chloroaniline
Concen: 81.400 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:127 Resp: 504834

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.5	39.7
65	33.5	26.4	39.6
92	20.1	15.3	22.9



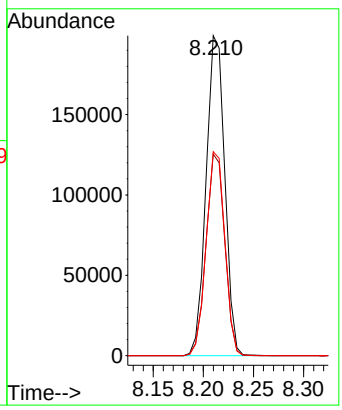


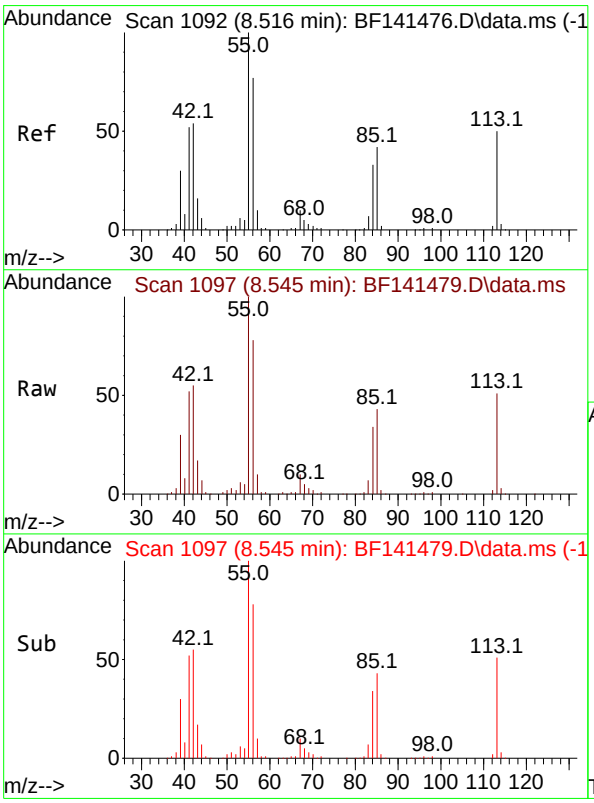
#34
Hexachlorobutadiene
Concen: 78.628 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 257532

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.8	51.0	76.6

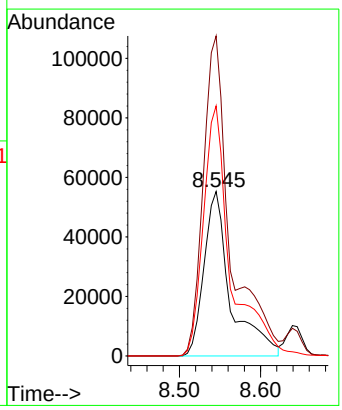


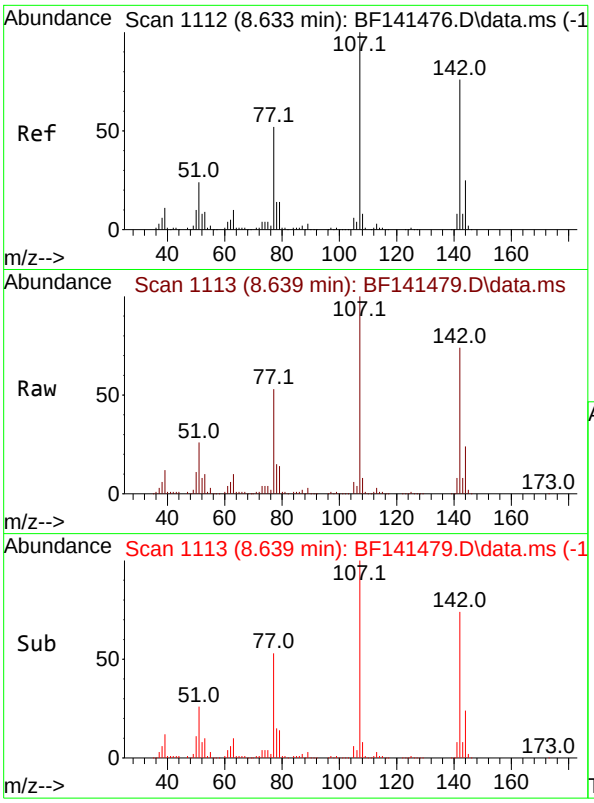


#35
Caprolactam
Concen: 82.350 ng
RT: 8.545 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:113 Resp: 125619

Ion	Ratio	Lower	Upper
113	100		
55	194.6	180.8	220.8
56	152.1	133.6	173.6



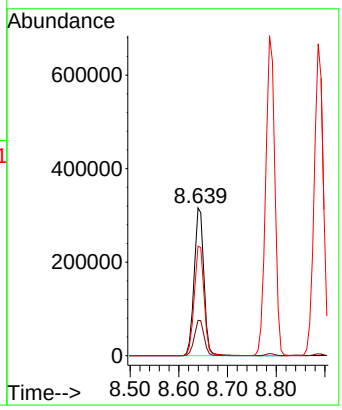


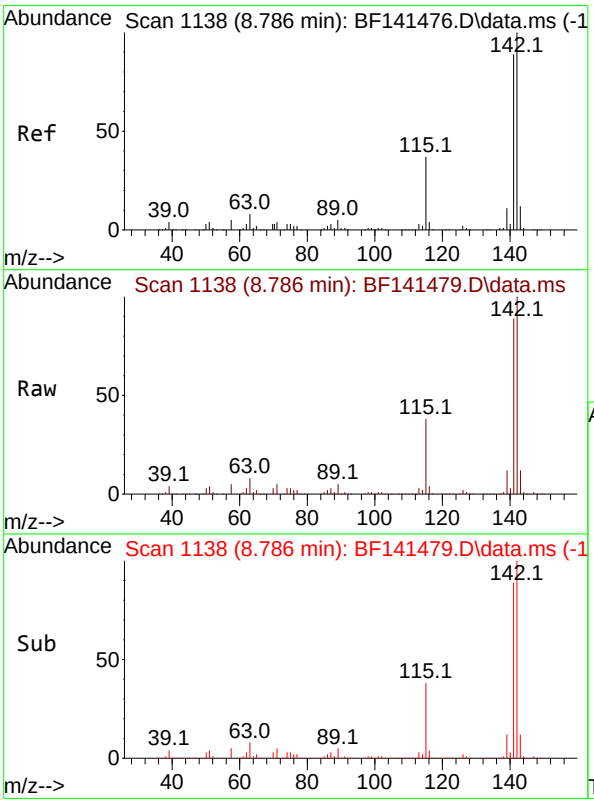
#36
4-Chloro-3-methylphenol
Concen: 79.630 ng
RT: 8.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 441925

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.7	29.5
142	74.0	60.8	91.2

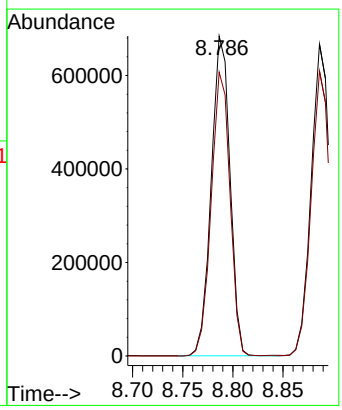


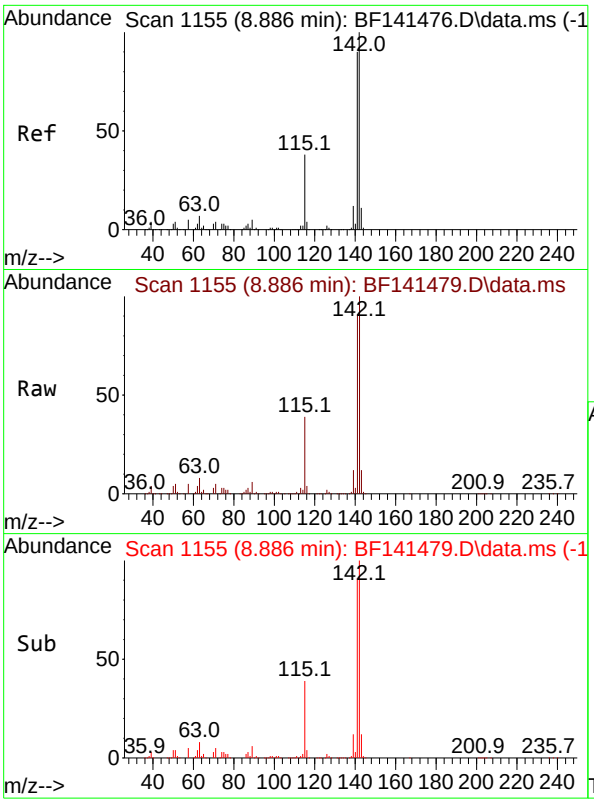


#37
2-Methylnaphthalene
Concen: 76.975 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:142 Resp: 889774

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8



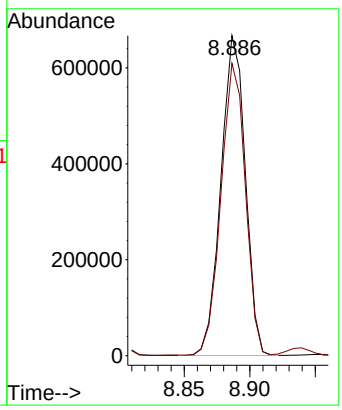


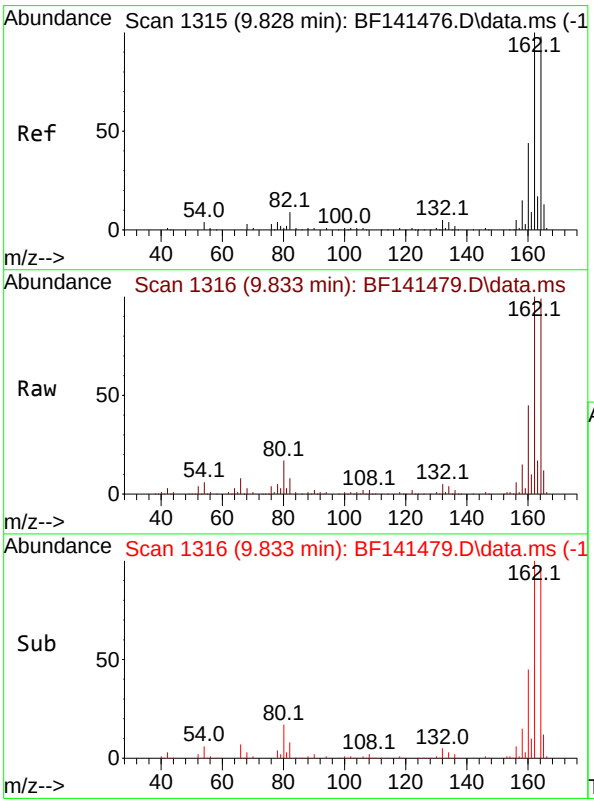
#38
1-Methylnaphthalene
Concen: 76.983 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 861860

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1

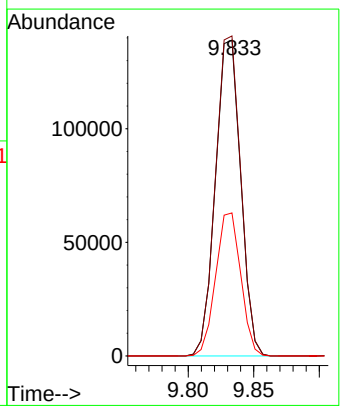


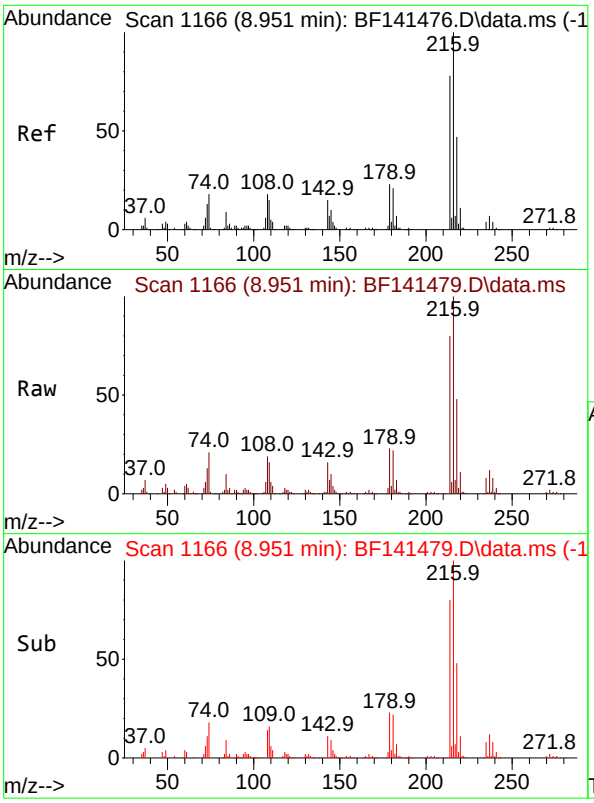


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:164 Resp: 186230

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.3	121.9
160	45.3	35.9	53.9



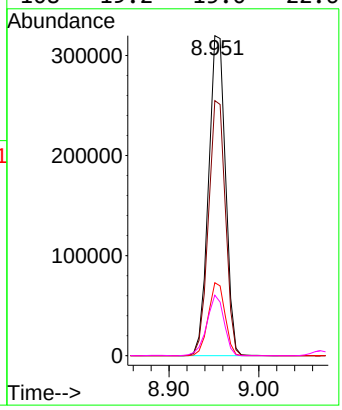


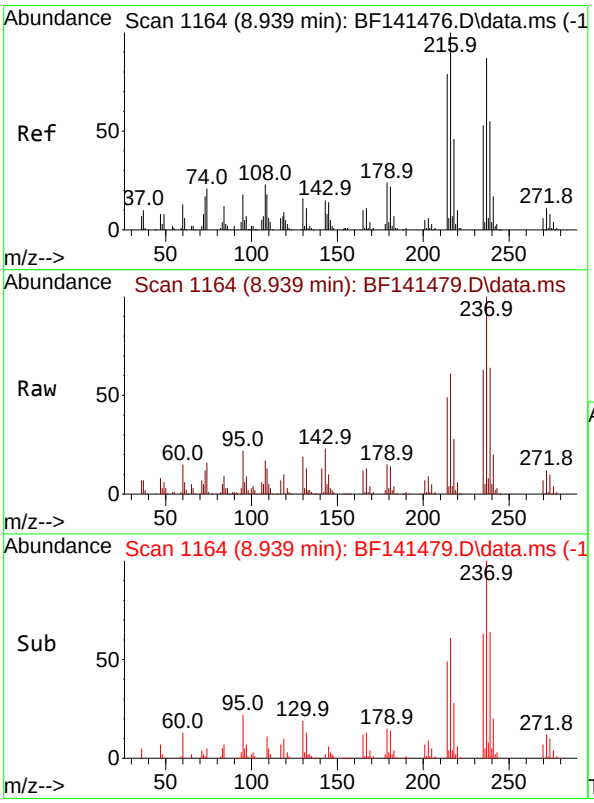
#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.689 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 418579

Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.3	93.5
179	22.4	18.0	27.0
108	19.2	15.0	22.6

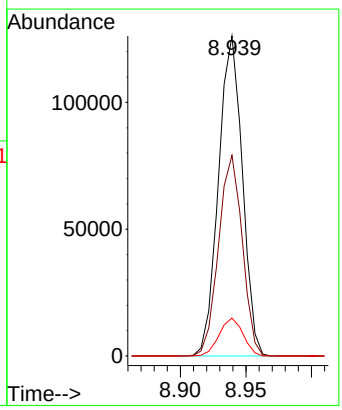


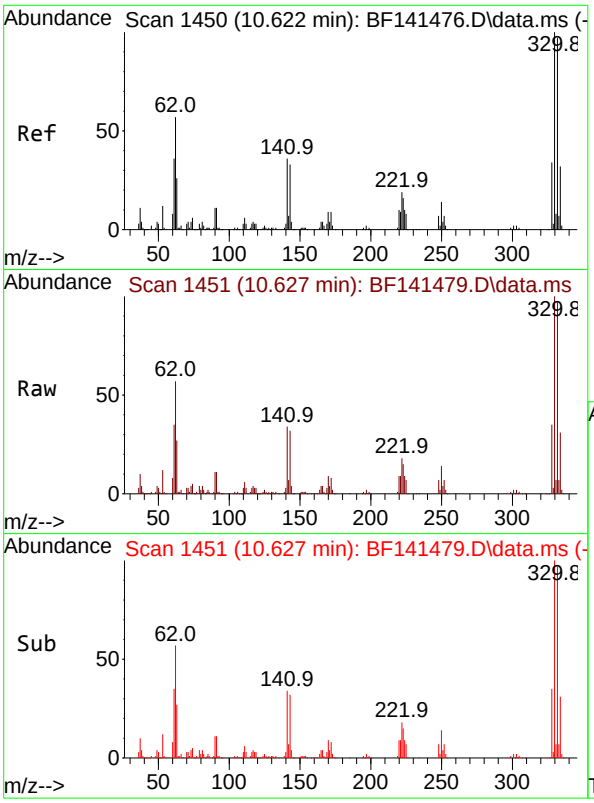


#41
Hexachlorocyclopentadiene
Concen: 88.965 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:237 Resp: 159430

Ion	Ratio	Lower	Upper
237	100		
235	62.7	41.4	81.4
272	11.9	0.0	32.4



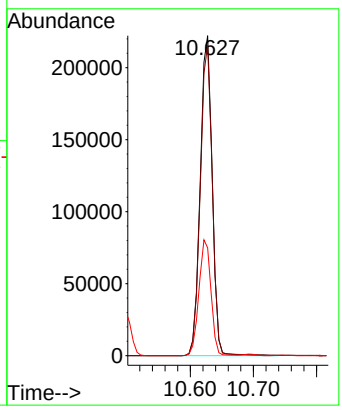


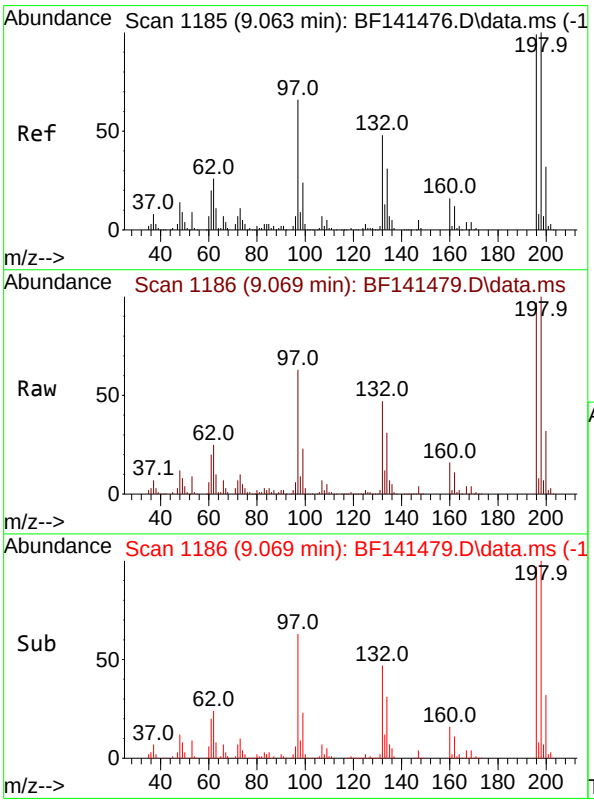
#42
2,4,6-Tribromophenol
Concen: 156.058 ng
RT: 10.627 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 291947

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.5	117.7
141	36.6	31.0	46.4

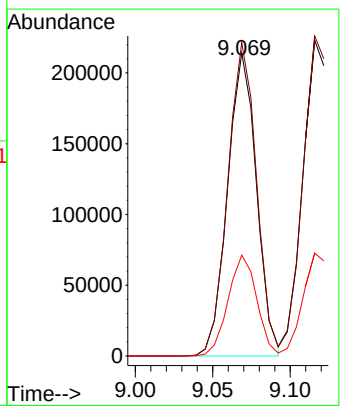


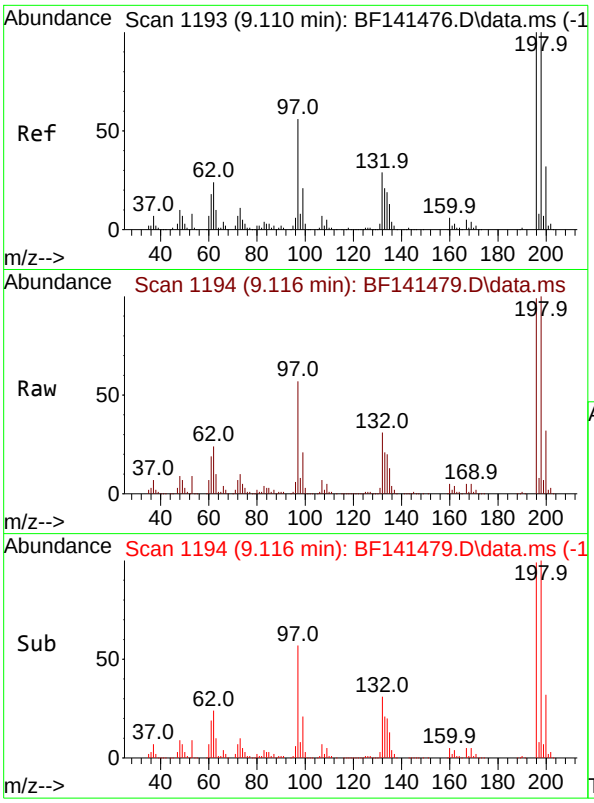


#43
2,4,6-Trichlorophenol
Concen: 79.591 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:196 Resp: 277156

Ion	Ratio	Lower	Upper
196	100		
198	103.5	80.6	121.0
200	33.3	25.5	38.3



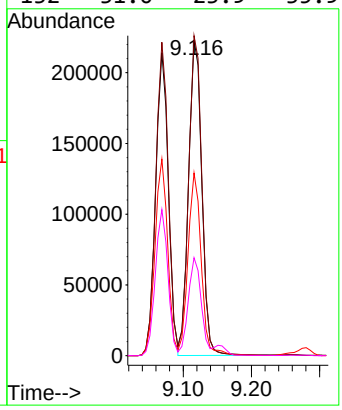


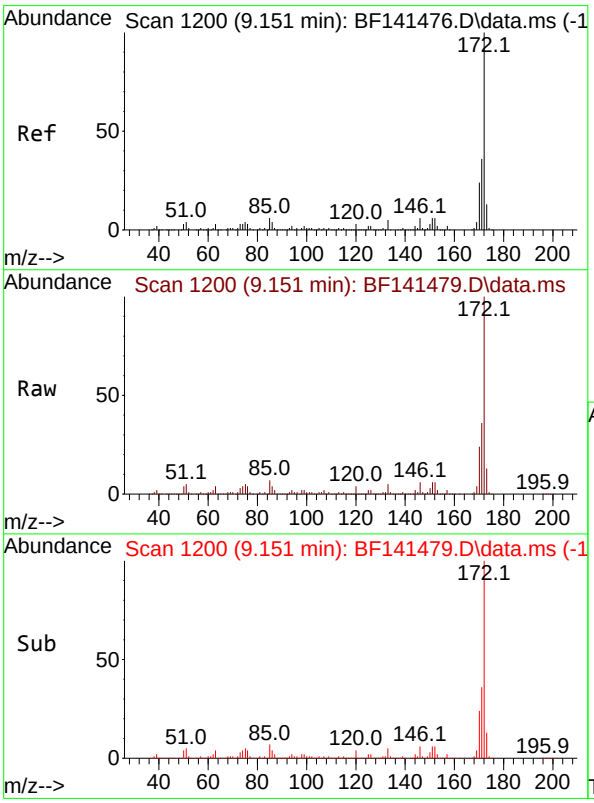
#44
2,4,5-Trichlorophenol
Concen: 79.189 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 298856

Ion	Ratio	Lower	Upper
196	100		
198	101.4	79.8	119.8
97	57.9	44.8	67.2
132	31.0	23.9	35.9

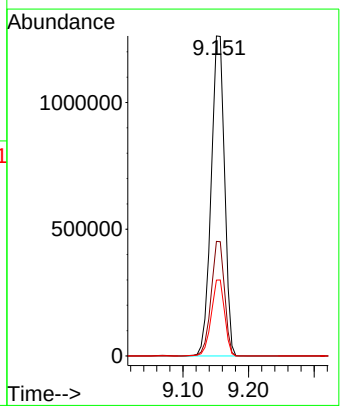


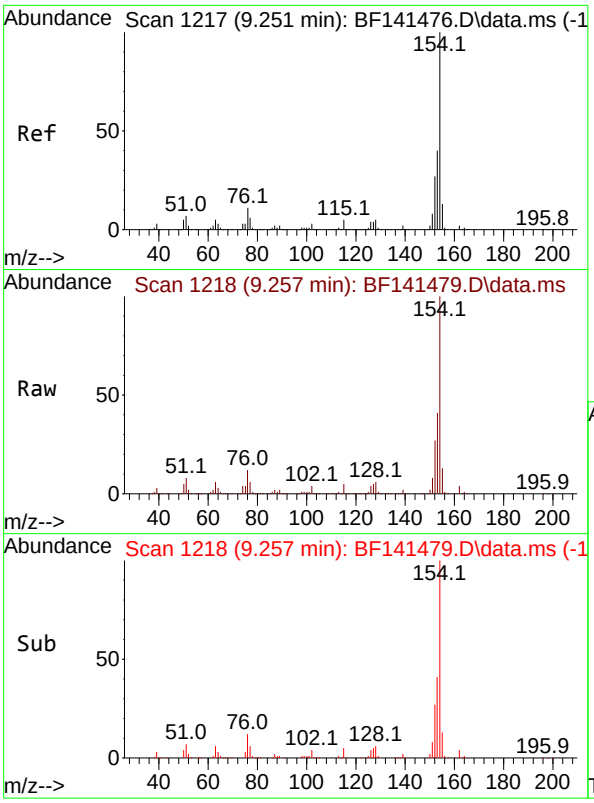


#45
2-Fluorobiphenyl
Concen: 148.066 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:172 Resp: 1789795

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.7	18.9	28.3



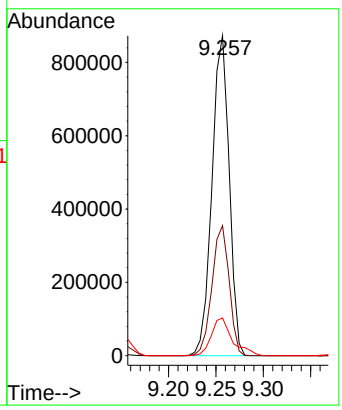


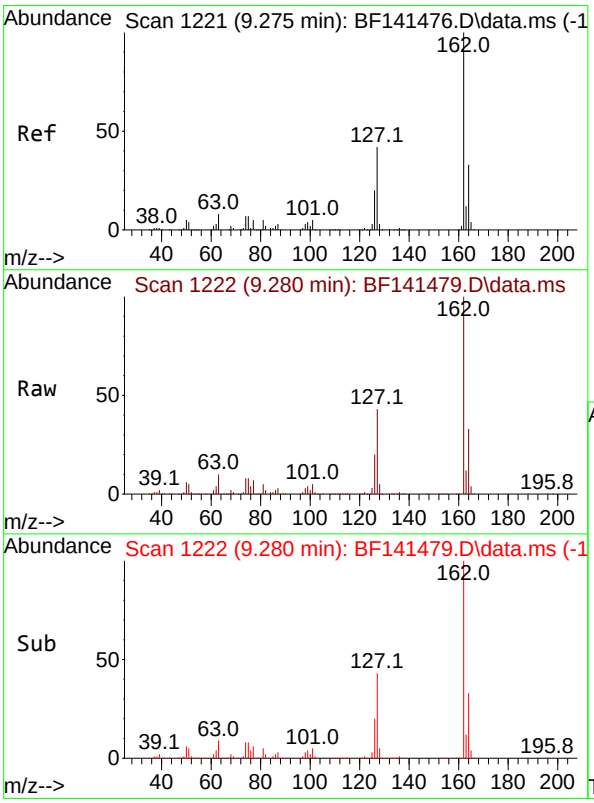
#46
1,1'-Biphenyl
Concen: 76.237 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1100720

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.4	60.4
76	11.8	0.0	30.8

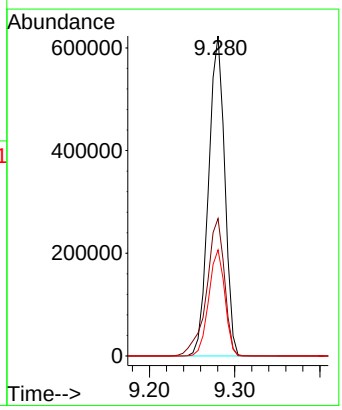


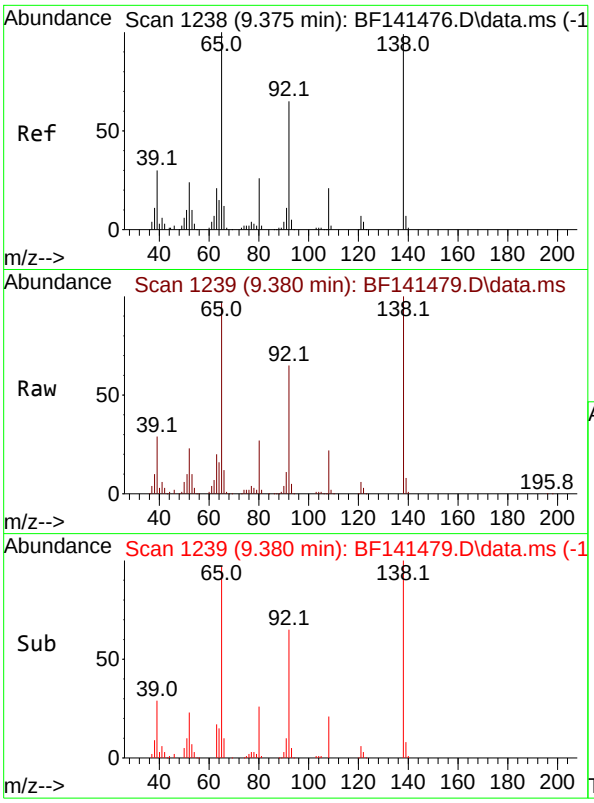


#47
2-Chloronaphthalene
Concen: 76.929 ng
RT: 9.280 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:162 Resp: 821334

Ion	Ratio	Lower	Upper
162	100		
127	43.0	34.1	51.1
164	33.2	26.3	39.5



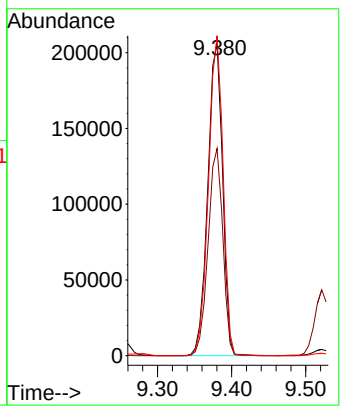


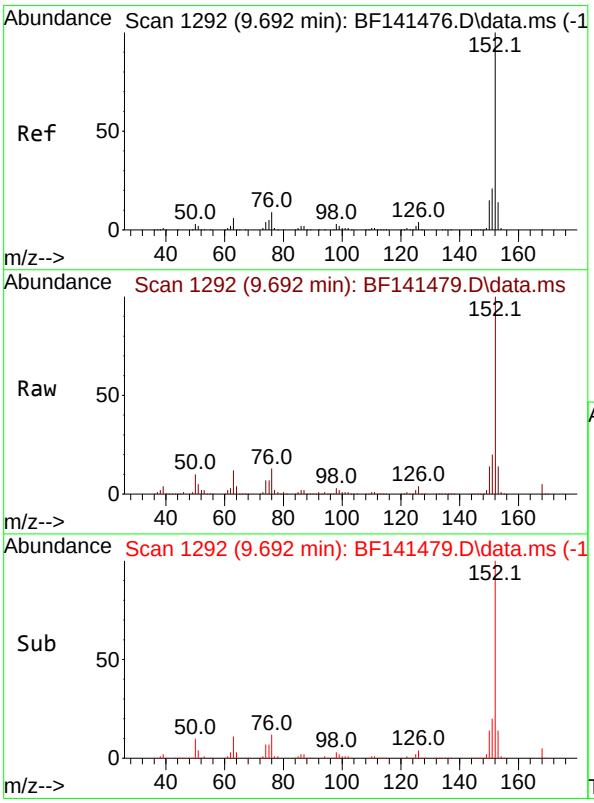
#48
2-Nitroaniline
Concen: 79.969 ng
RT: 9.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 286532

Ion	Ratio	Lower	Upper
65	100		
92	66.4	52.2	78.2
138	102.6	79.5	119.3

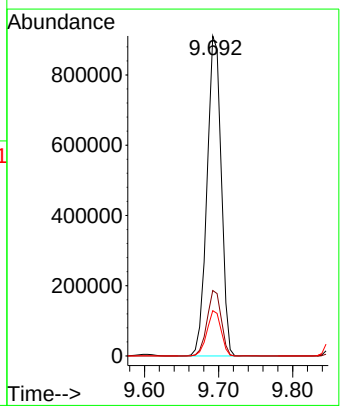


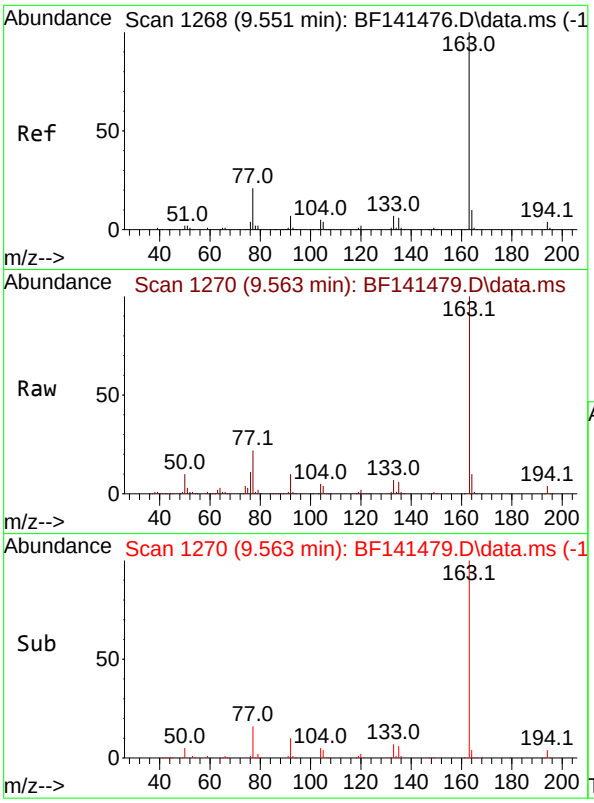


#49
Acenaphthylene
Concen: 76.291 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:152 Resp: 1211515

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	14.1	10.9	16.3



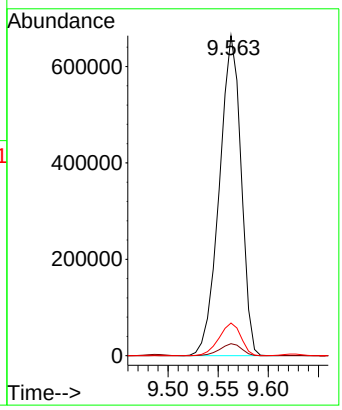


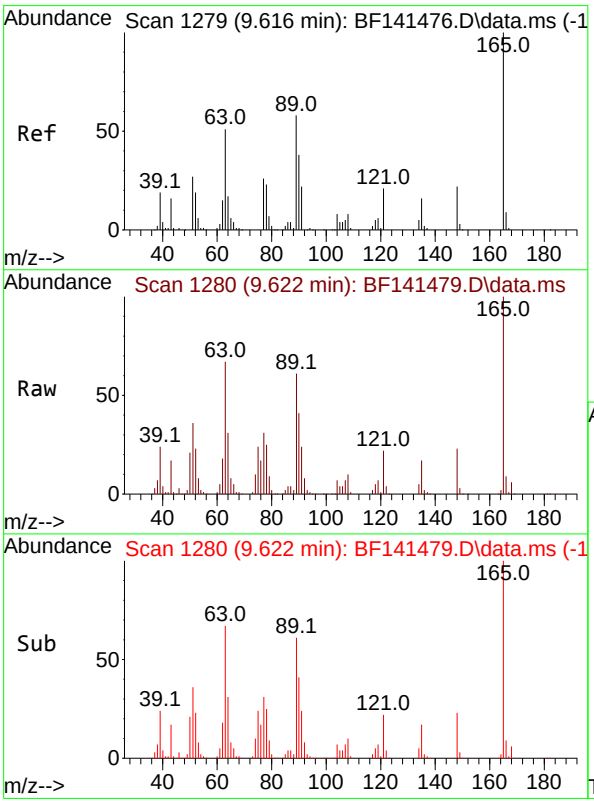
#50
Dimethylphthalate
Concen: 79.265 ng
RT: 9.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 1002121

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.2	7.9	11.9

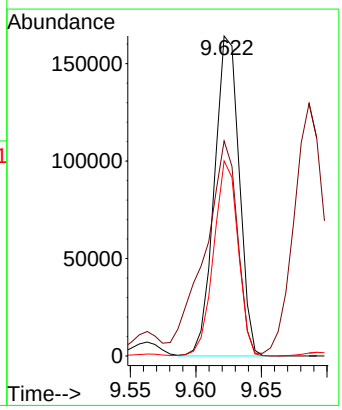


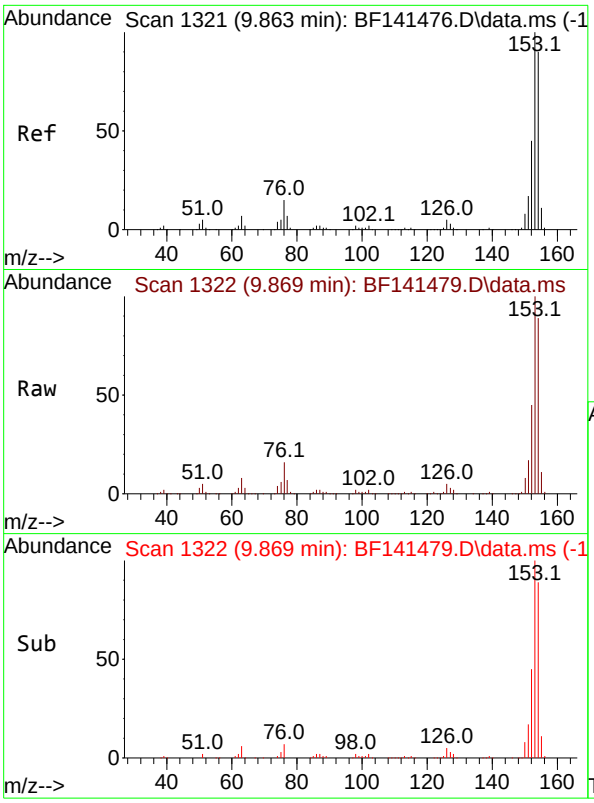


#51
2,6-Dinitrotoluene
Concen: 78.101 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:165 Resp: 215853

Ion	Ratio	Lower	Upper
165	100		
63	67.2	49.4	74.0
89	60.9	46.5	69.7



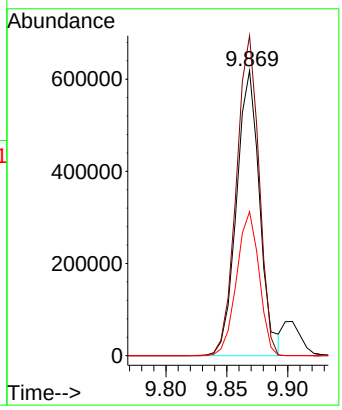


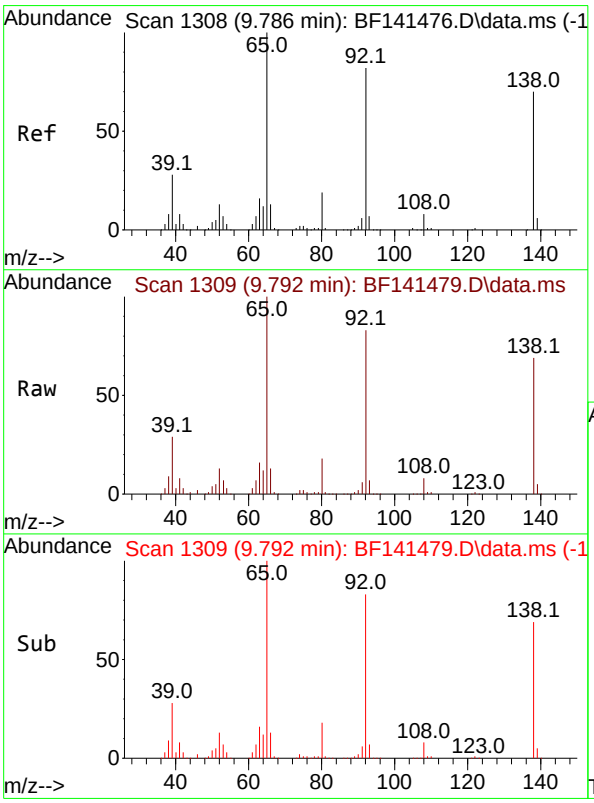
#52
Acenaphthene
Concen: 76.791 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 819818

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.2	133.8
152	50.5	39.8	59.8

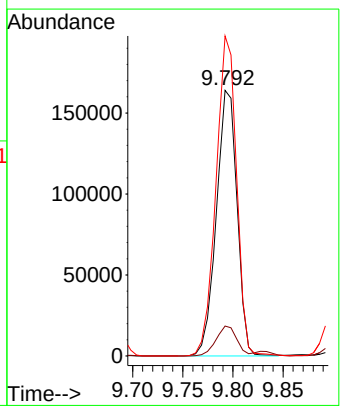


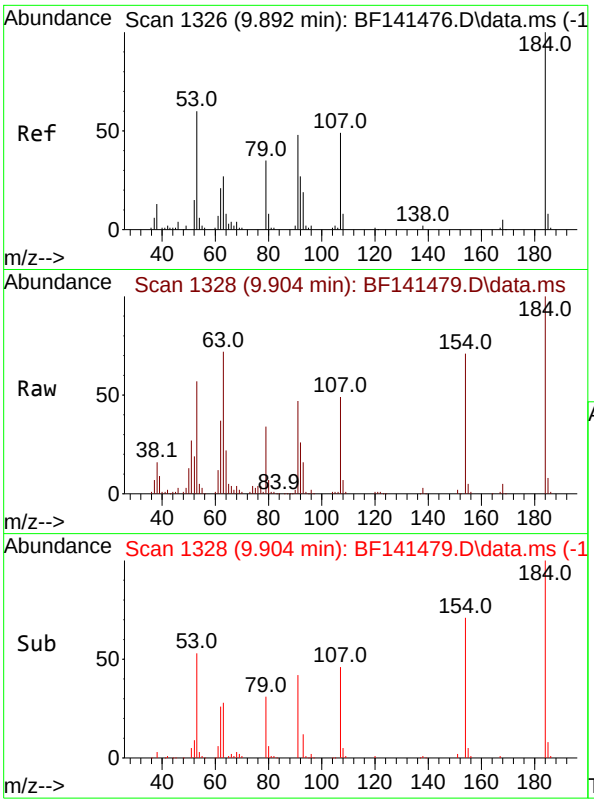


#53
3-Nitroaniline
Concen: 79.173 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:138 Resp: 235511

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.4
92	120.4	93.7	140.5



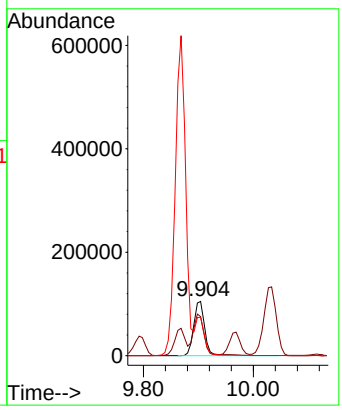


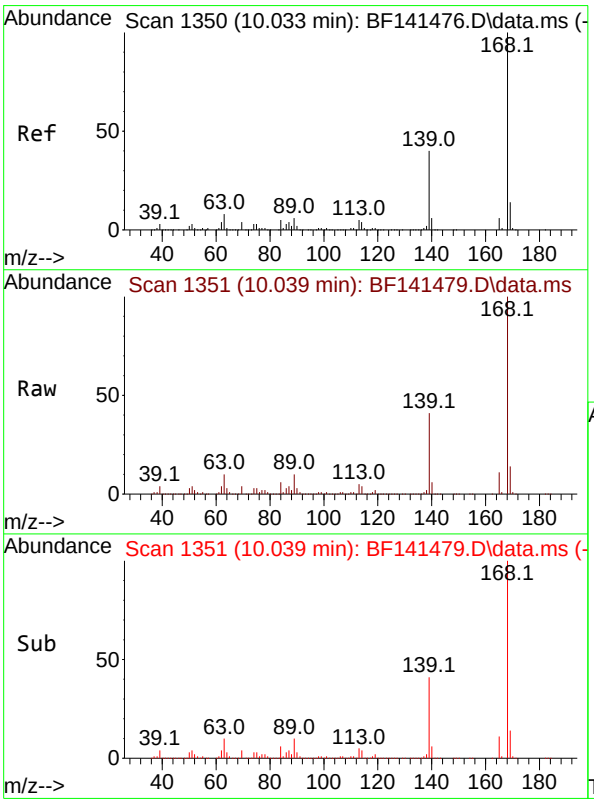
#54
2,4-Dinitrophenol
Concen: 89.960 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 147768

Ion	Ratio	Lower	Upper
184	100		
63	72.1	61.0	91.6
154	70.8	59.9	89.9

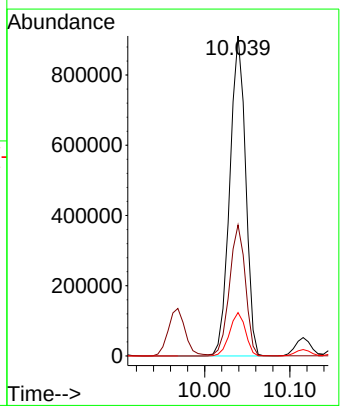


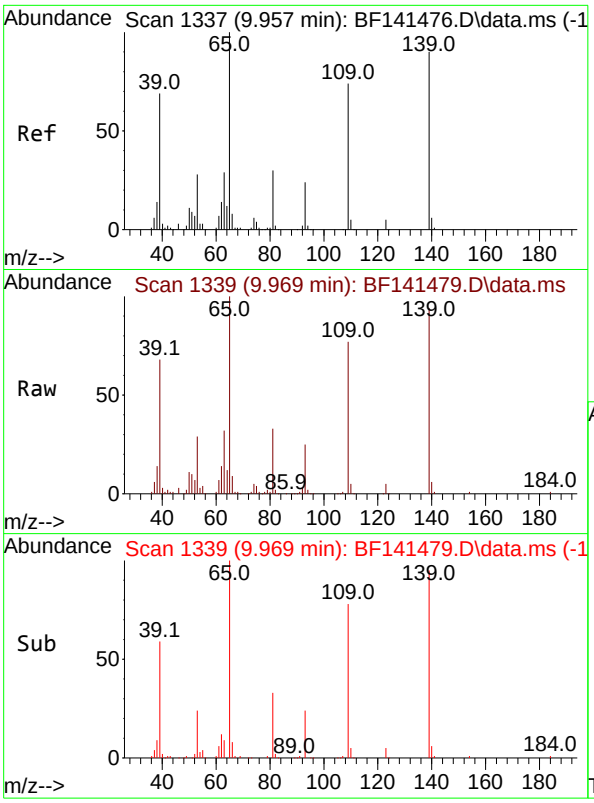


#55
Dibenzofuran
Concen: 74.928 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:168 Resp: 1174157

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.6	10.8	16.2



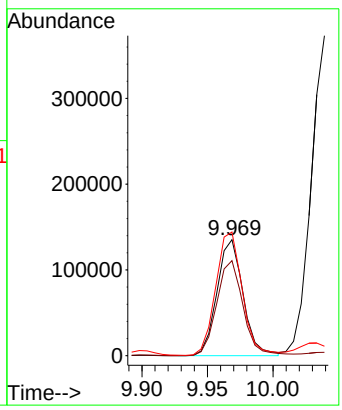


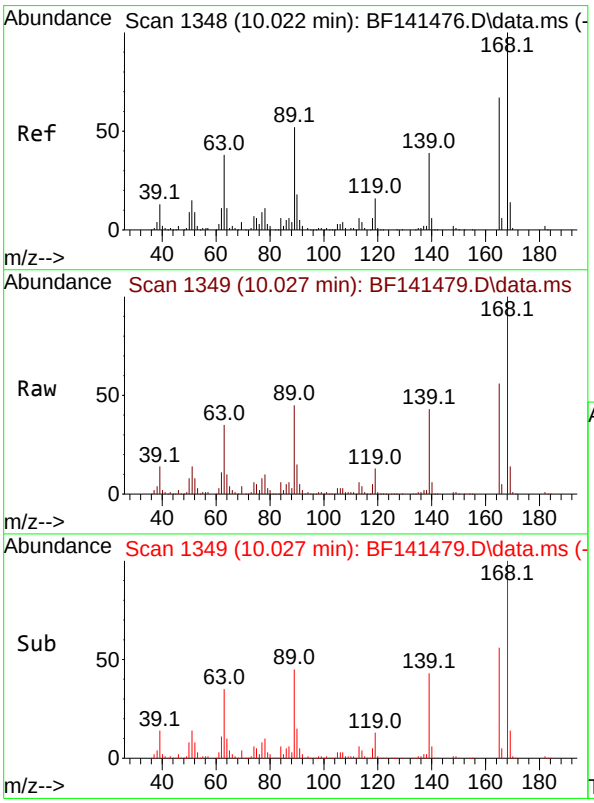
#56
4-Nitrophenol
Concen: 84.744 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 187131

Ion	Ratio	Lower	Upper
139	100		
109	81.9	62.0	102.0
65	106.7	91.2	131.2

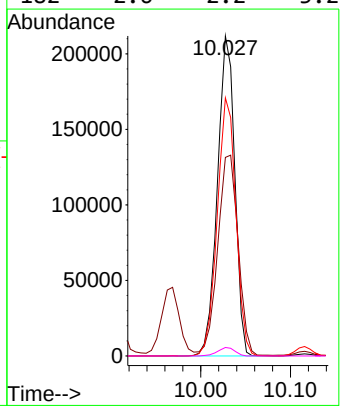


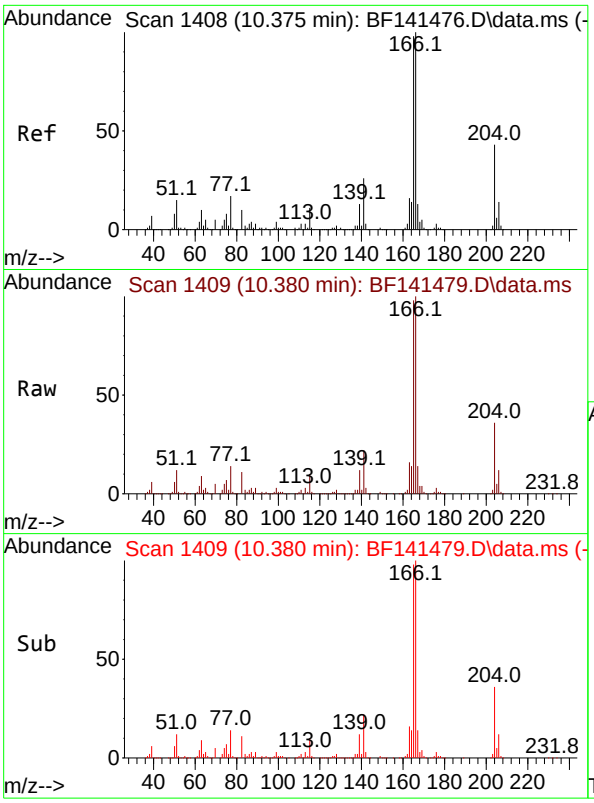


#57
2,4-Dinitrotoluene
Concen: 77.449 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:165 Resp: 284954

Ion	Ratio	Lower	Upper
165	100		
63	62.1	46.4	69.6
89	80.7	61.8	92.6
182	2.6	2.2	3.2



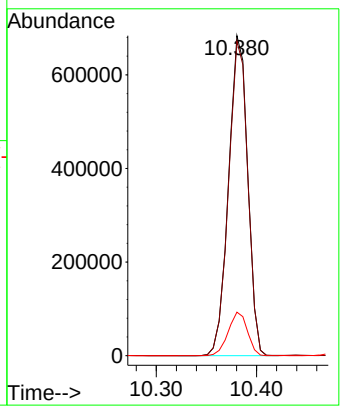


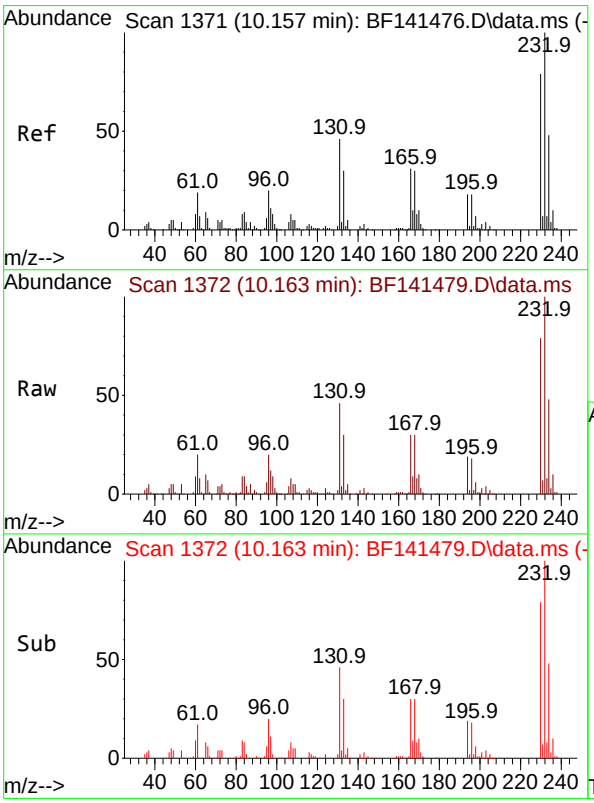
#58
Fluorene
Concen: 75.080 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 909704

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.2
167	13.6	10.7	16.1

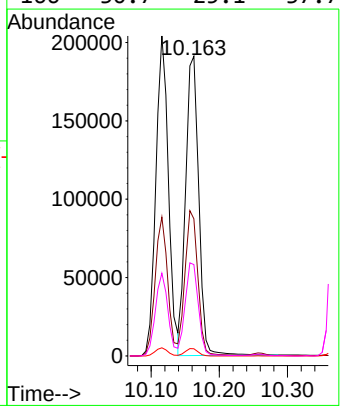


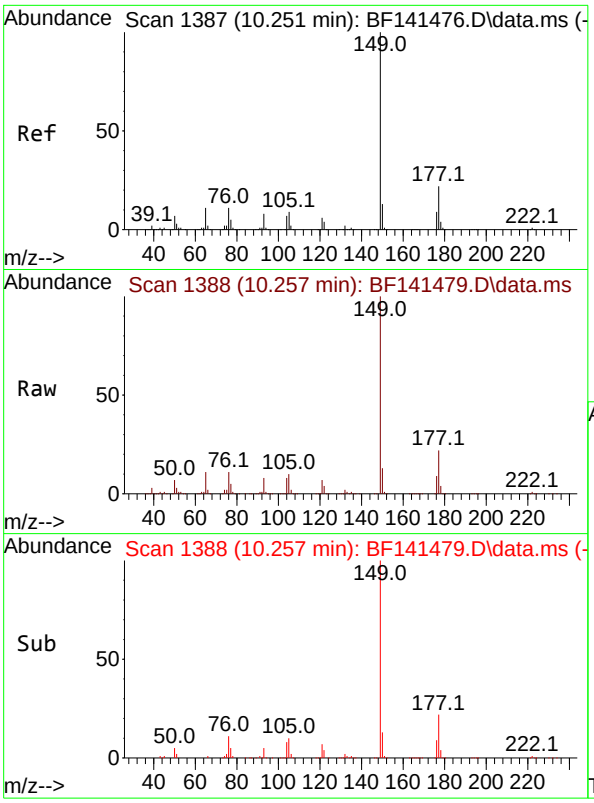


#59
2,3,4,6-Tetrachlorophenol
Concen: 78.006 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:232 Resp: 253454

Ion	Ratio	Lower	Upper
232	100		
131	47.1	39.2	58.8
130	2.4	2.1	3.1
166	30.7	25.1	37.7



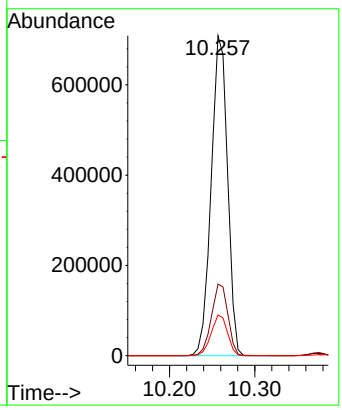


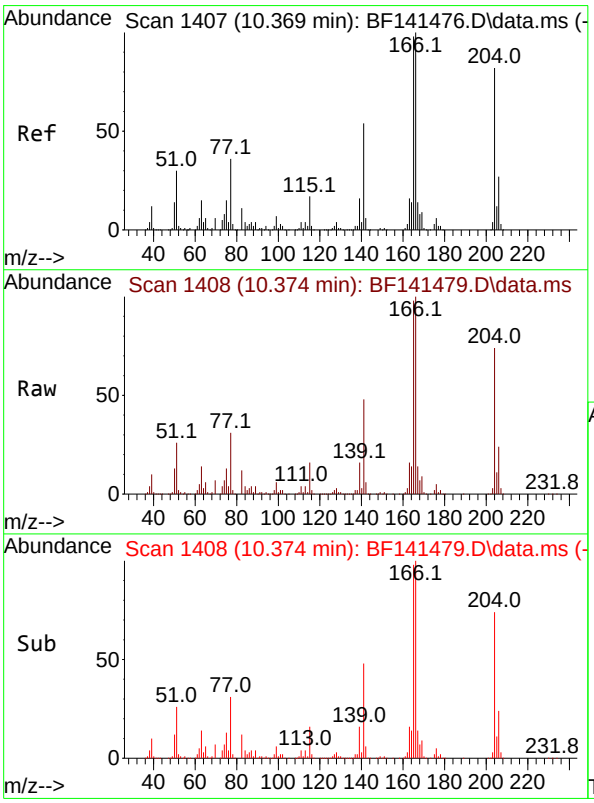
#60
Diethylphthalate
Concen: 75.995 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 945293

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.6
150	12.7	10.1	15.1

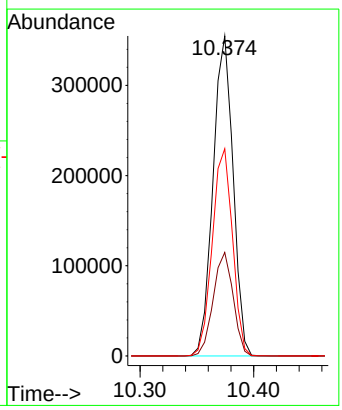


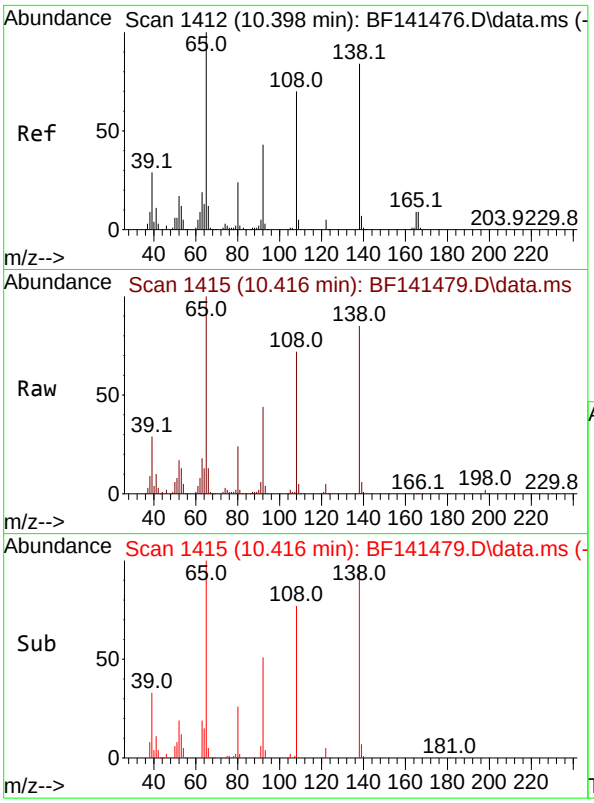


#61
4-Chlorophenyl-phenylether
Concen: 74.716 ng
RT: 10.374 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:204 Resp: 435522

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	64.8	51.9	77.9



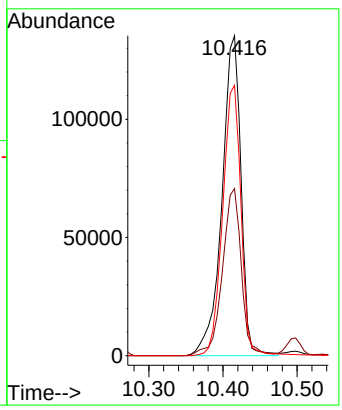


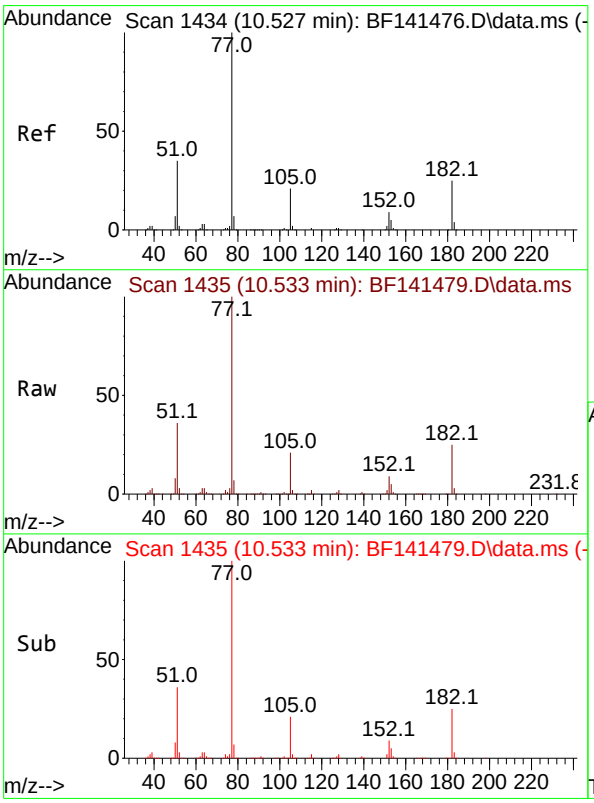
#62
4-Nitroaniline
Concen: 79.873 ng
RT: 10.416 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 241257

Ion	Ratio	Lower	Upper
138	100		
92	52.2	31.3	71.3
108	84.5	63.7	103.7

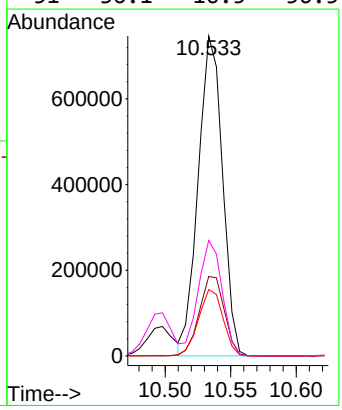


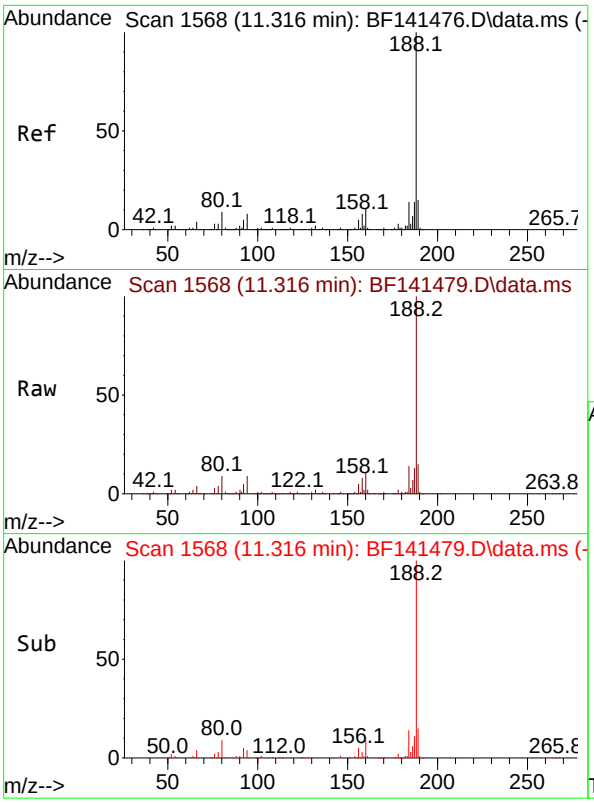


#63
Azobenzene
Concen: 77.931 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 77 Resp: 963689

Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.7	44.7
105	20.8	0.4	40.4
51	36.1	16.5	56.5



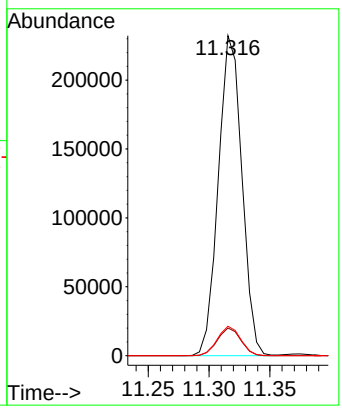


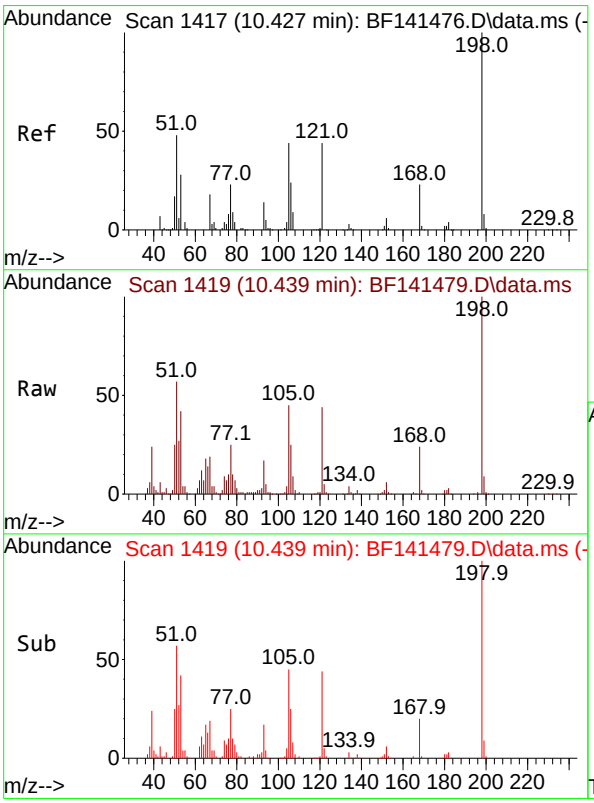
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 312902

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.3	10.9

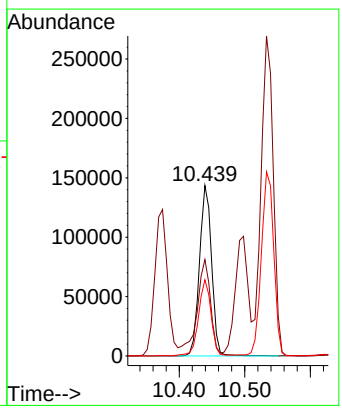


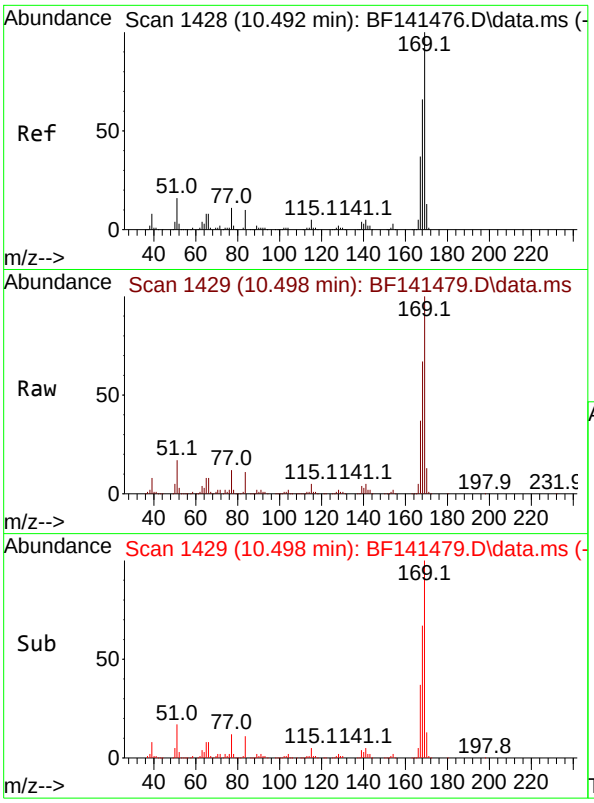


#65
4,6-Dinitro-2-methylphenol
Concen: 85.309 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:198 Resp: 185427

Ion	Ratio	Lower	Upper
198	100		
51	56.6	37.4	77.4
105	44.7	25.2	65.2



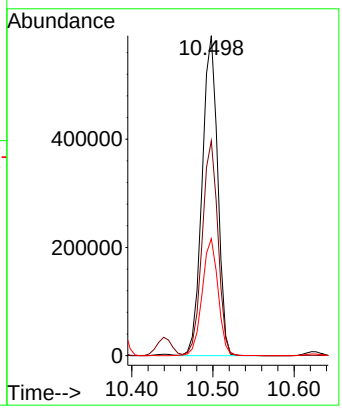


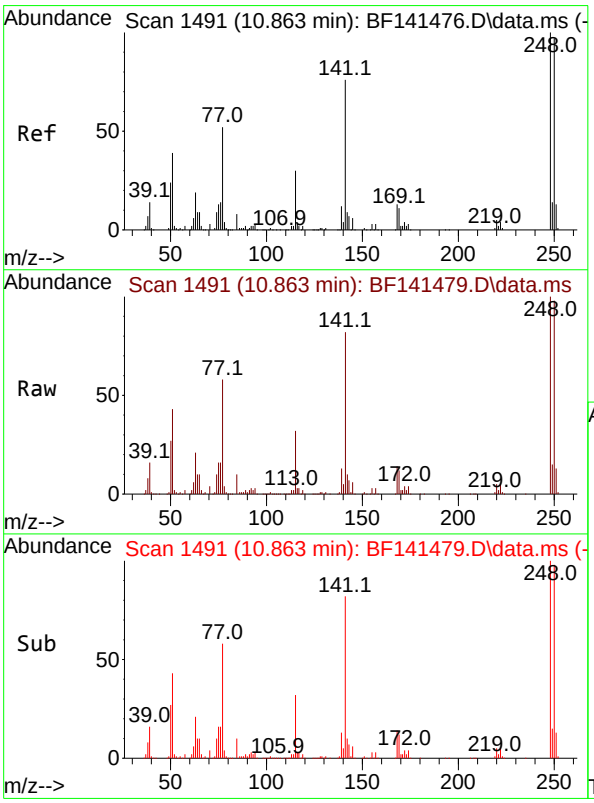
#66
n-Nitrosodiphenylamine
Concen: 78.404 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 785313

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.3	79.9
167	36.6	29.4	44.2

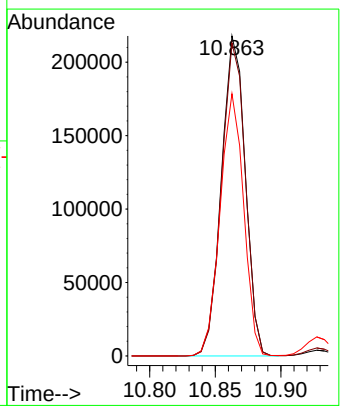


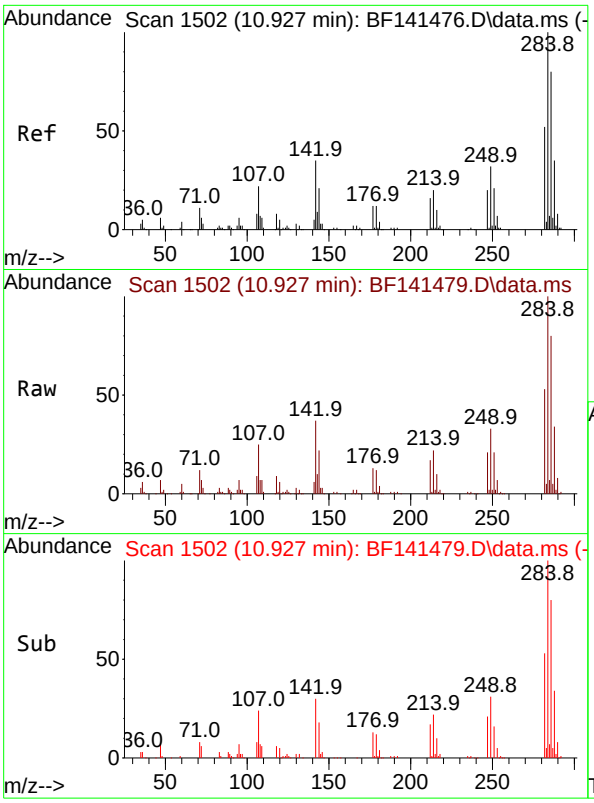


#67
4-Bromophenyl-phenylether
Concen: 78.988 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:248 Resp: 276228

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.8	116.6
141	81.9	60.6	90.8



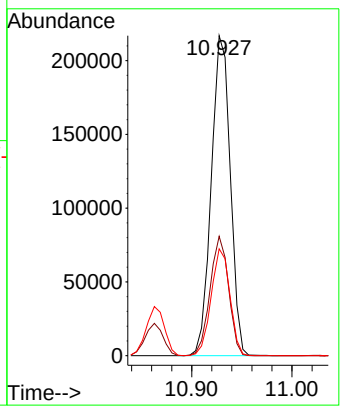


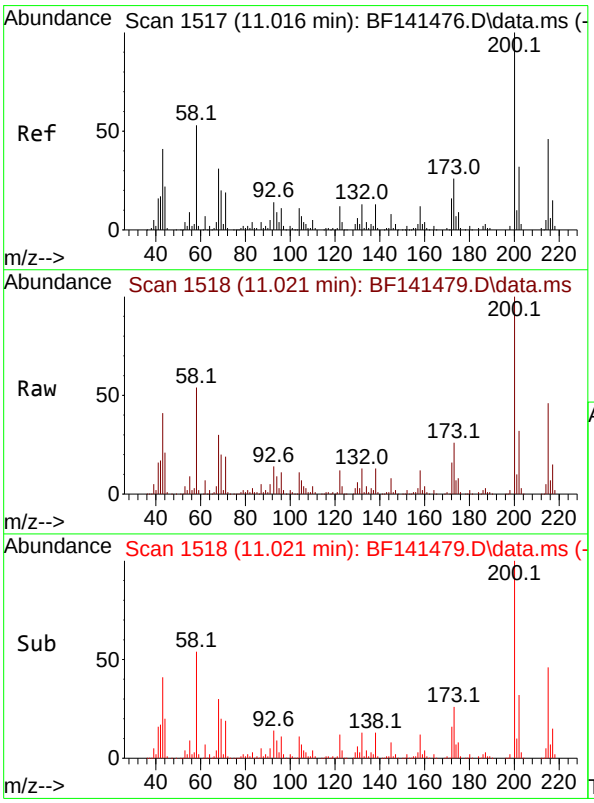
#68
Hexachlorobenzene
Concen: 79.174 ng
RT: 10.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 285111

Ion	Ratio	Lower	Upper
284	100		
142	37.3	28.0	42.0
249	33.4	25.8	38.8

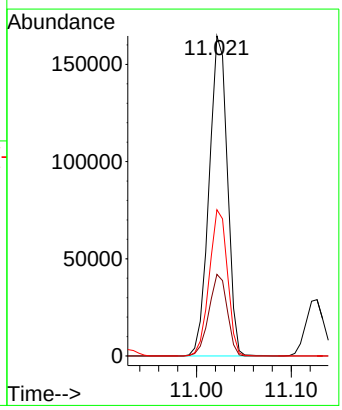


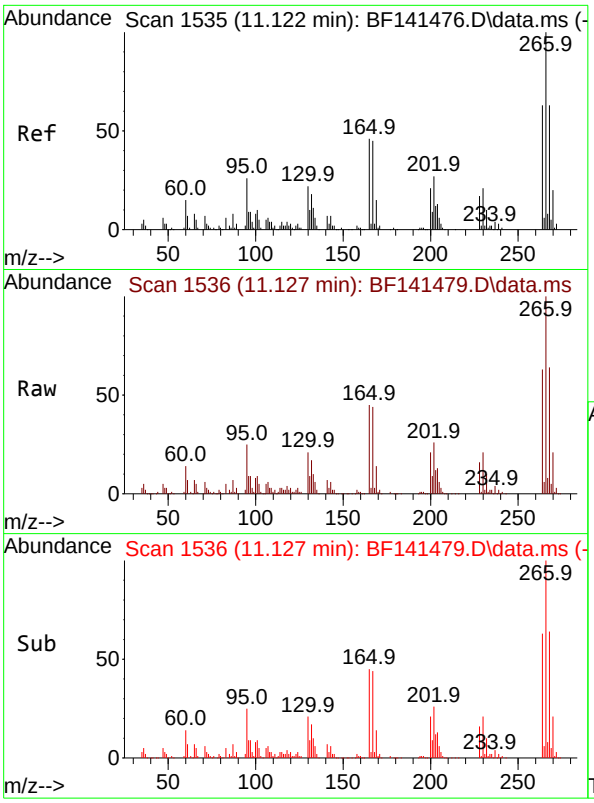


#69
Atrazine
Concen: 73.188 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:200 Resp: 219923

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.9	45.9
215	45.7	25.9	65.9



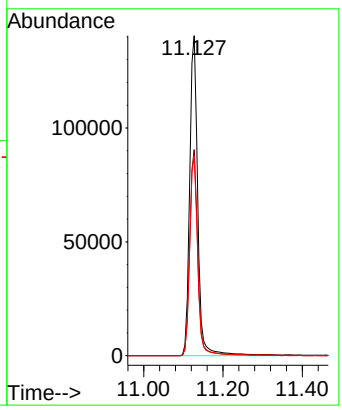


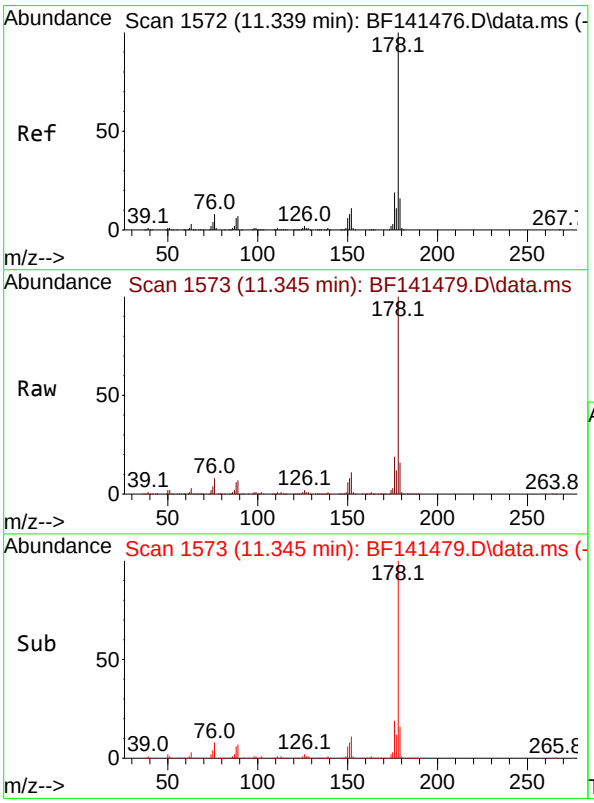
#70
Pentachlorophenol
Concen: 87.100 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 200556

Ion	Ratio	Lower	Upper
266	100		
268	64.4	50.1	75.1
264	62.5	50.1	75.1

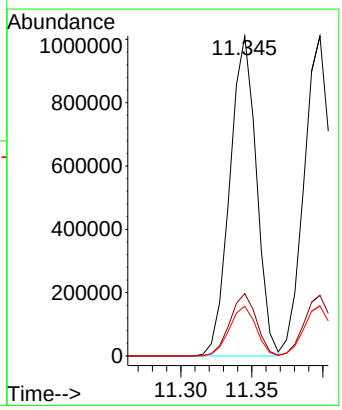


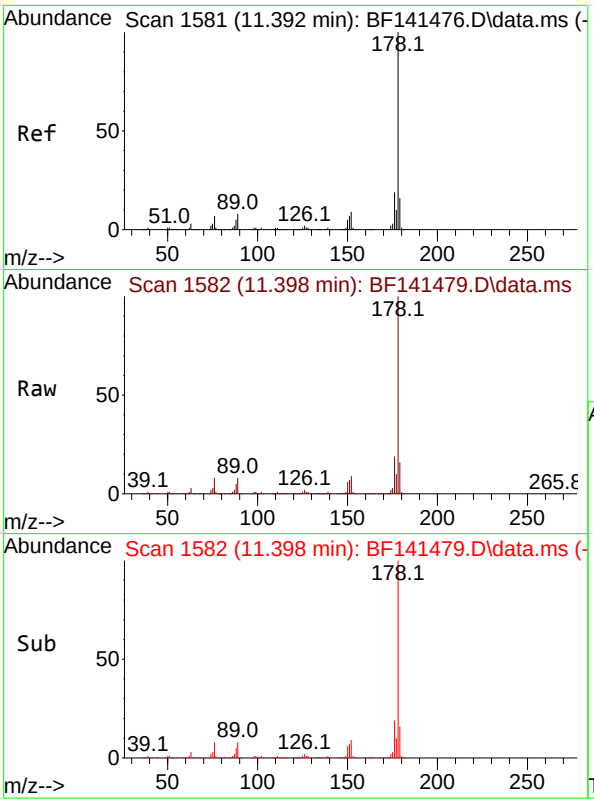


#71
Phenanthrene
Concen: 76.201 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:178 Resp: 1312474

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.4	18.6



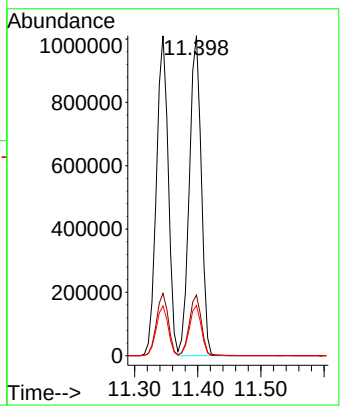


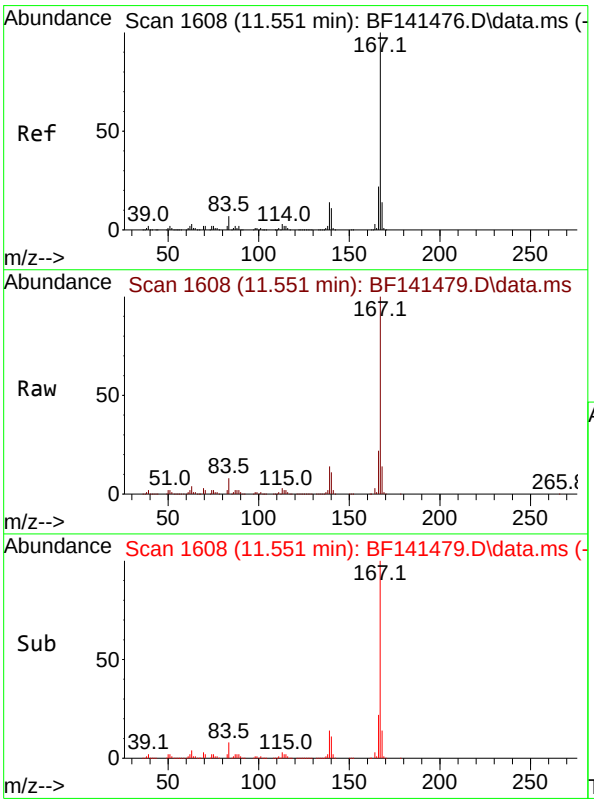
#72
Anthracene
Concen: 76.380 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1322462

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.6	12.4	18.6

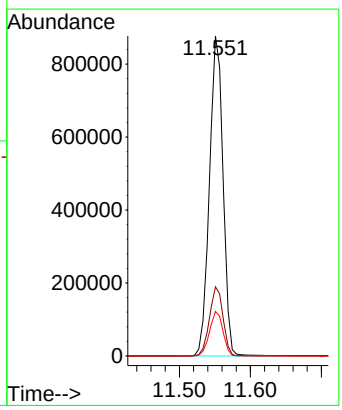


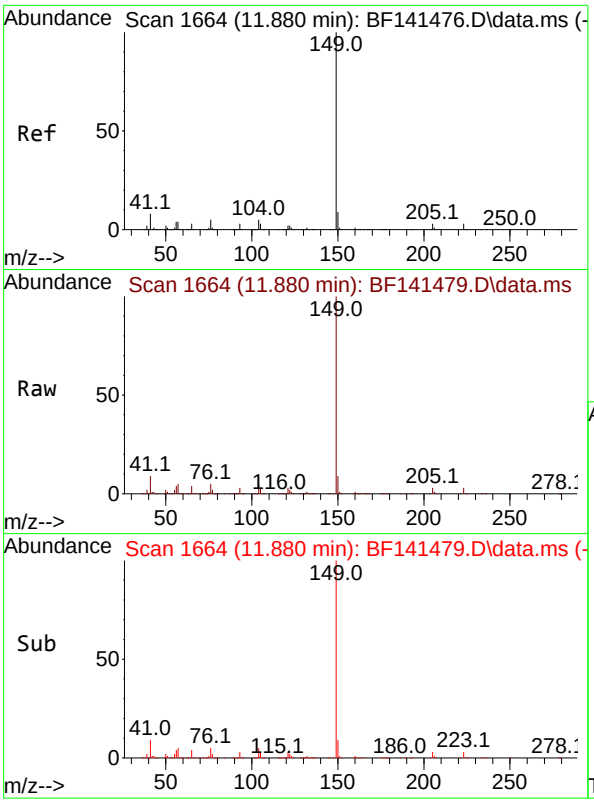


#73
Carbazole
Concen: 74.989 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:167 Resp: 1168253

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.9	10.9	16.3



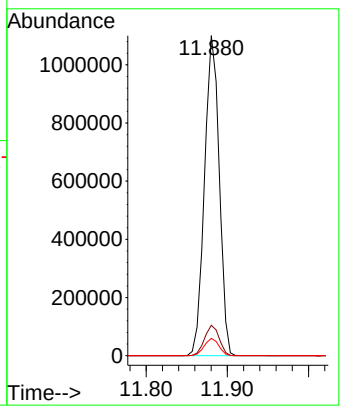


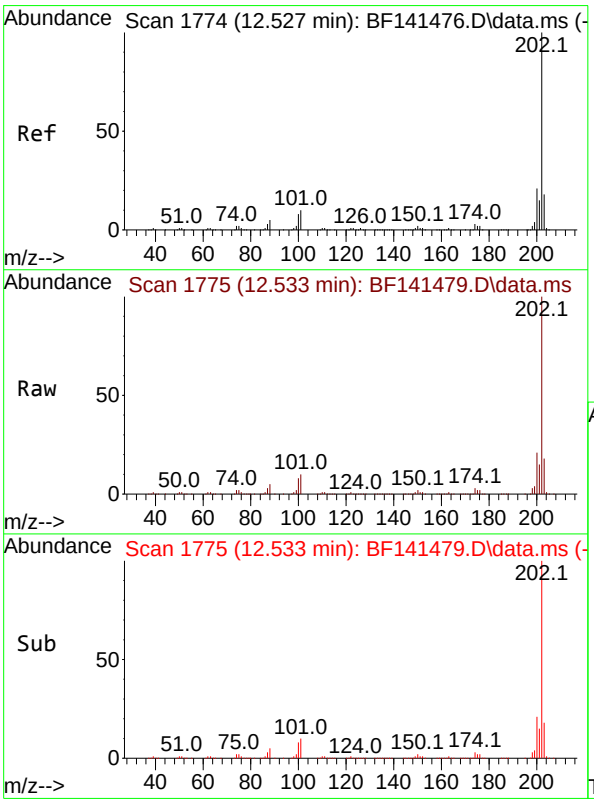
#74
Di-n-butylphthalate
Concen: 76.865 ng
RT: 11.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1382706

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	5.4	4.2	6.2

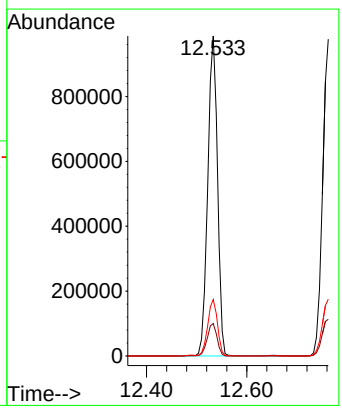


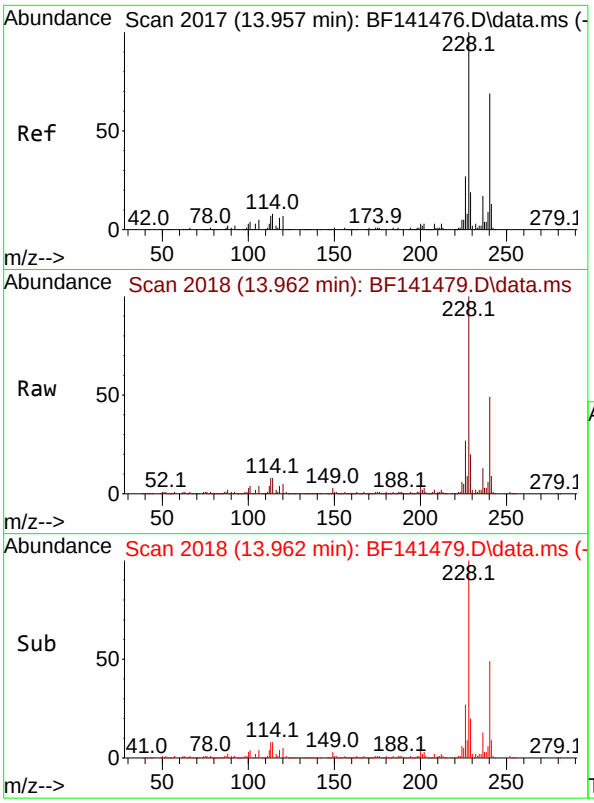


#75
Fluoranthene
Concen: 73.011 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:202 Resp: 1333237

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6



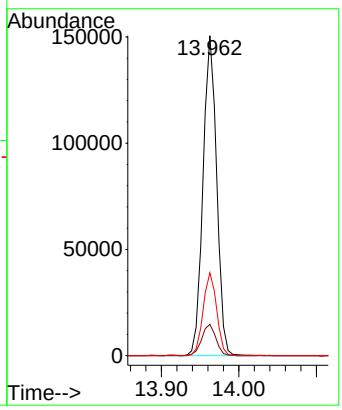


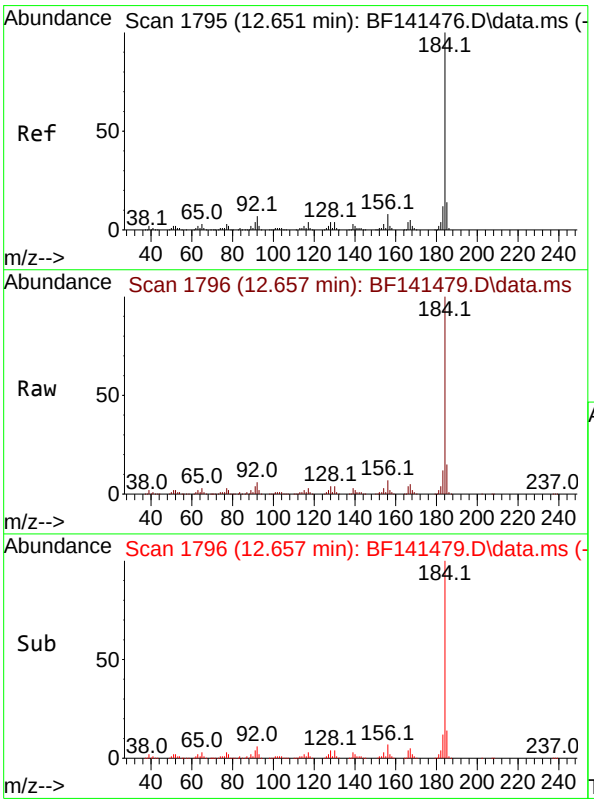
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 184347

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.9	19.8	29.8

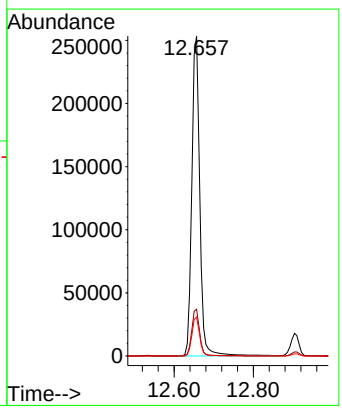


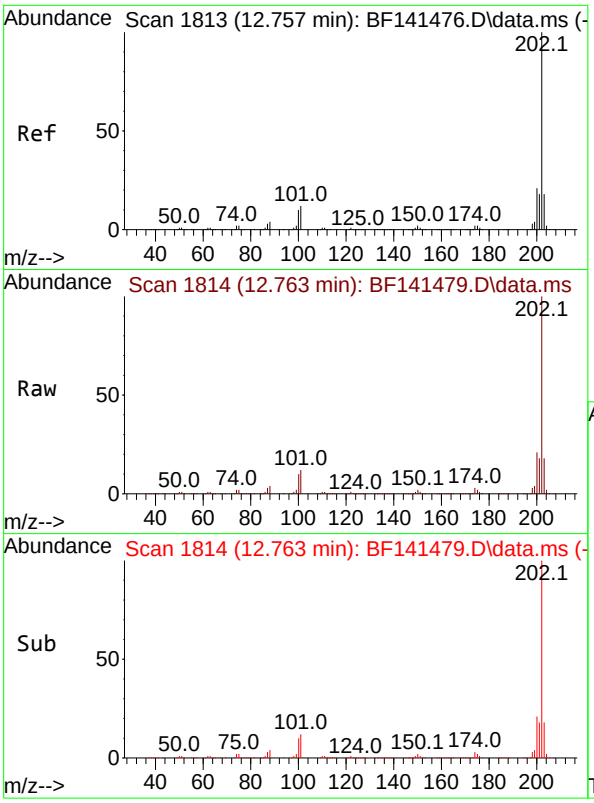


#77
Benzidine
Concen: 87.207 ng
RT: 12.657 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:184 Resp: 354555

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.3	16.9
183	12.1	9.3	13.9



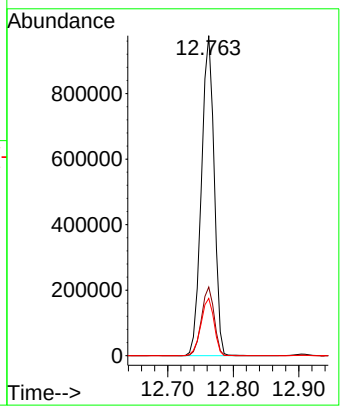


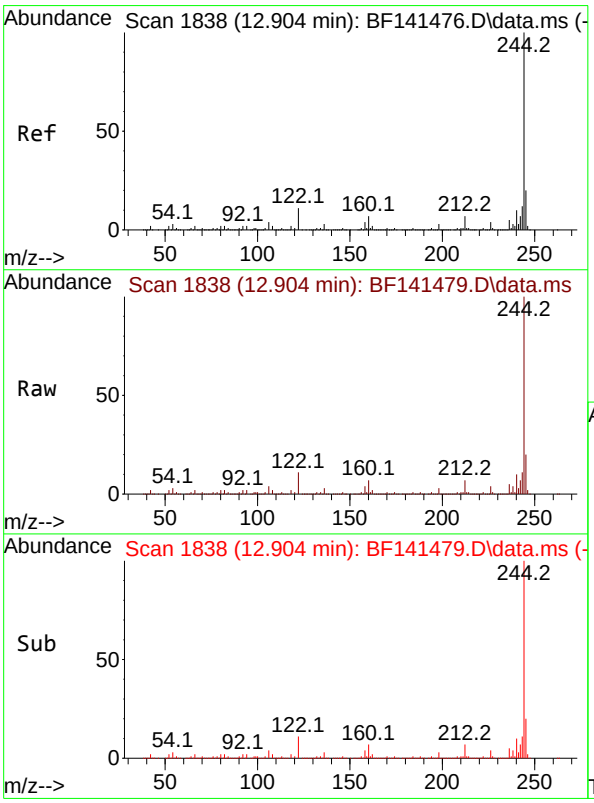
#78
Pyrene
Concen: 84.086 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1319554

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.9	14.3	21.5

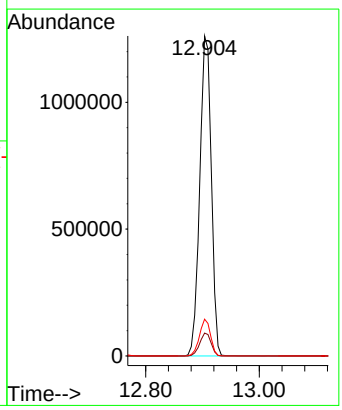


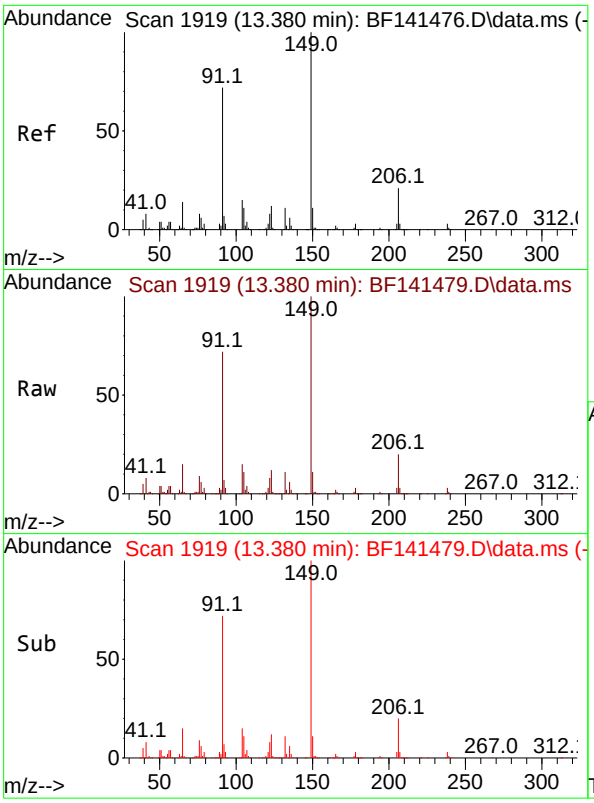


#79
Terphenyl-d14
Concen: 163.152 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:244 Resp: 1781602

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.5	8.4	12.6



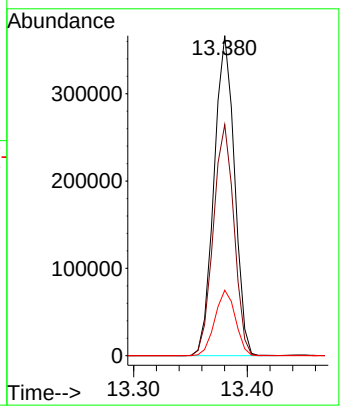


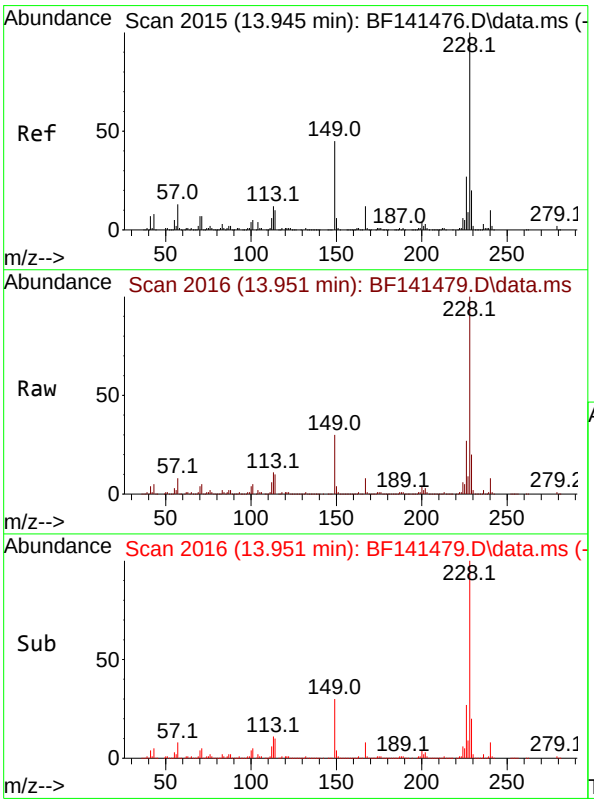
#80
Butylbenzylphthalate
Concen: 84.592 ng
RT: 13.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 459803

Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.8	86.8
206	20.4	16.7	25.1

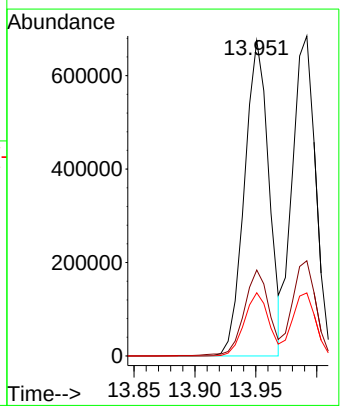


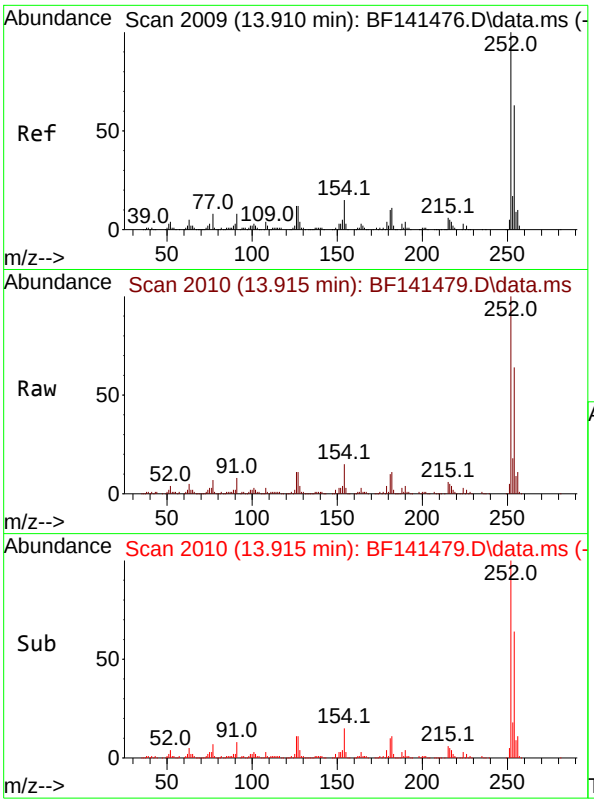


#81
Benzo(a)anthracene
Concen: 76.977 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:228 Resp: 943291

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.8	23.6



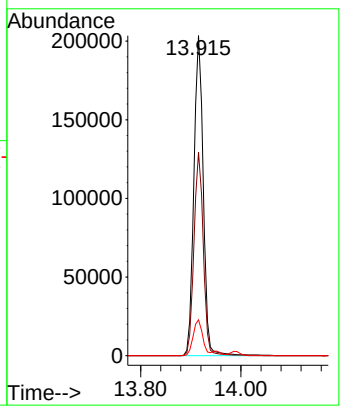


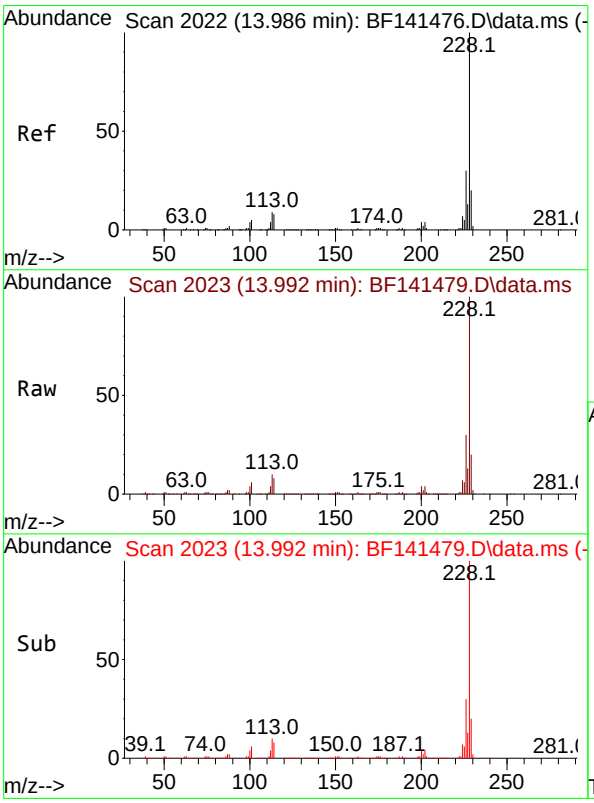
#82
3,3'-Dichlorobenzidine
Concen: 75.143 ng
RT: 13.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 263773

Ion	Ratio	Lower	Upper
252	100		
254	63.6	50.6	76.0
126	11.2	9.3	13.9

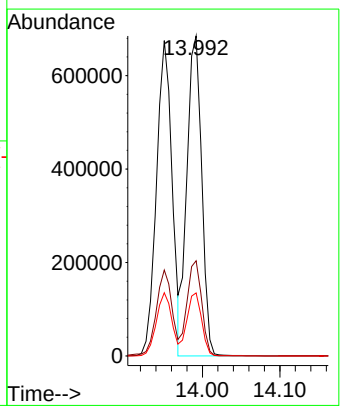


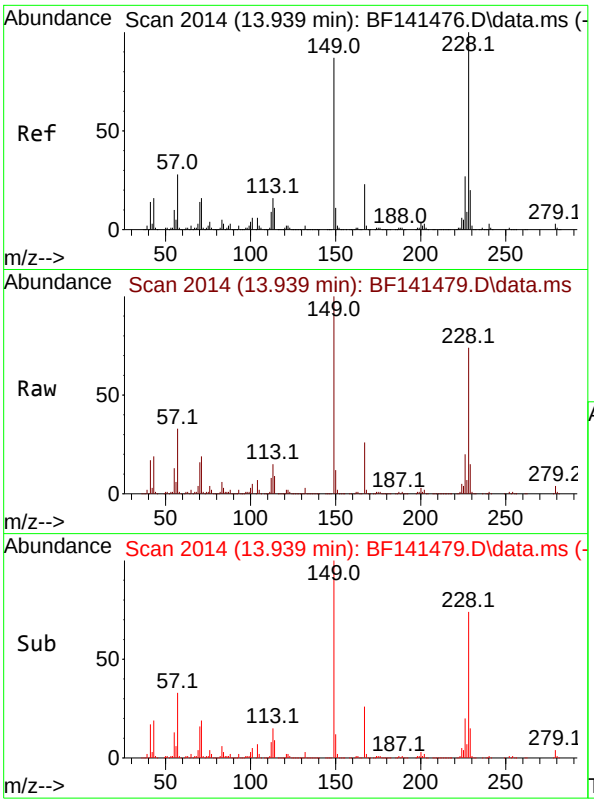


#83
Chrysene
Concen: 80.108 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:228 Resp: 906415

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.7	15.7	23.5



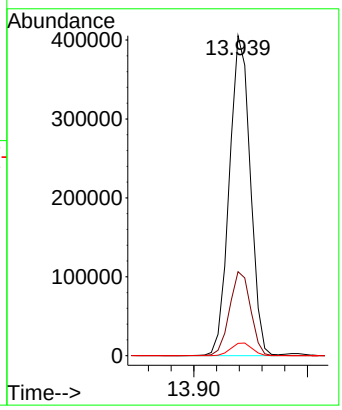


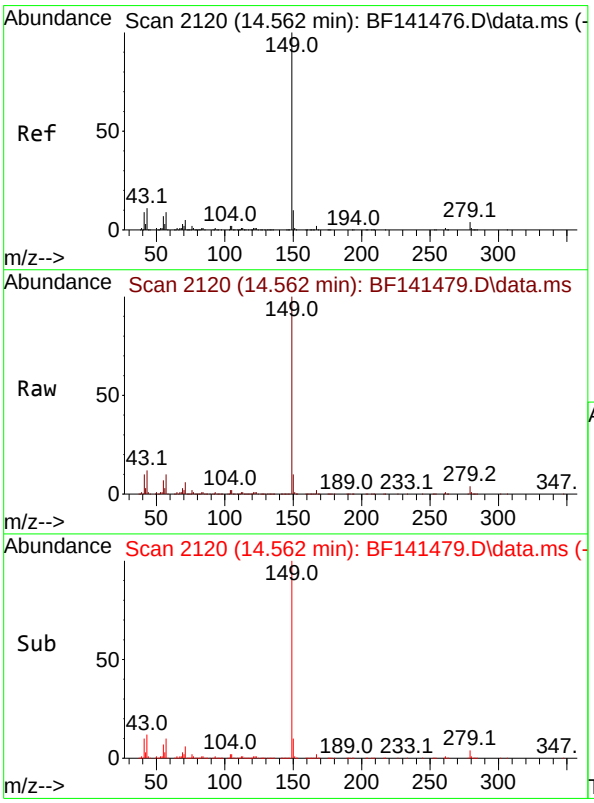
#84
Bis(2-ethylhexyl)phthalate
Concen: 84.477 ng
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 517884

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.4	32.0
279	3.9	3.1	4.7

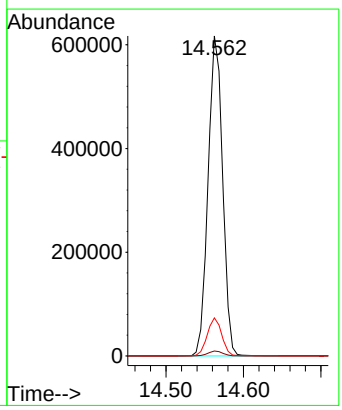


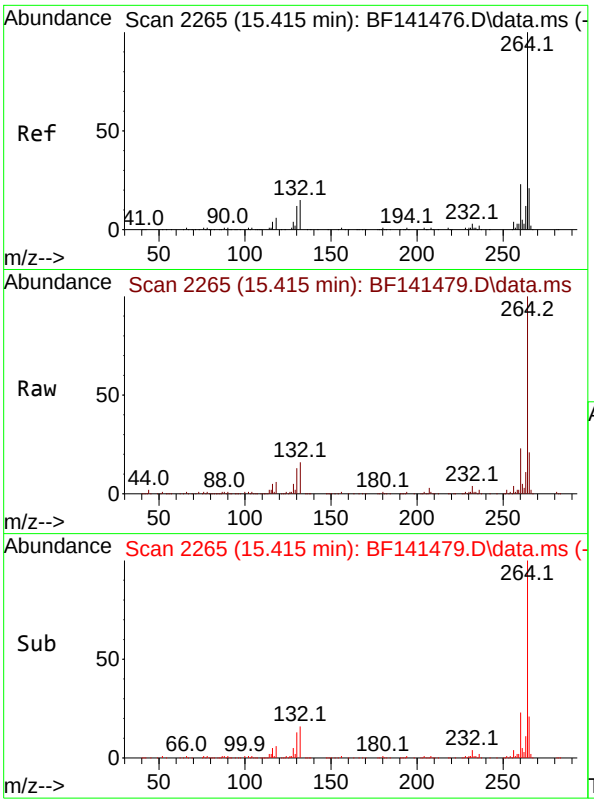


#85
Di-n-octyl phthalate
Concen: 91.886 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:149 Resp: 803601

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.8	9.5	14.3



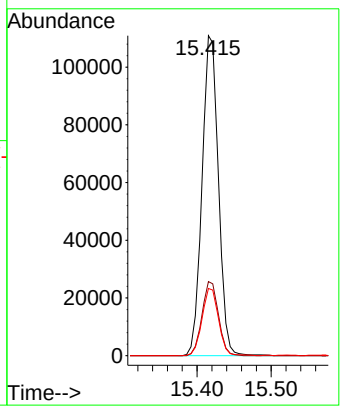


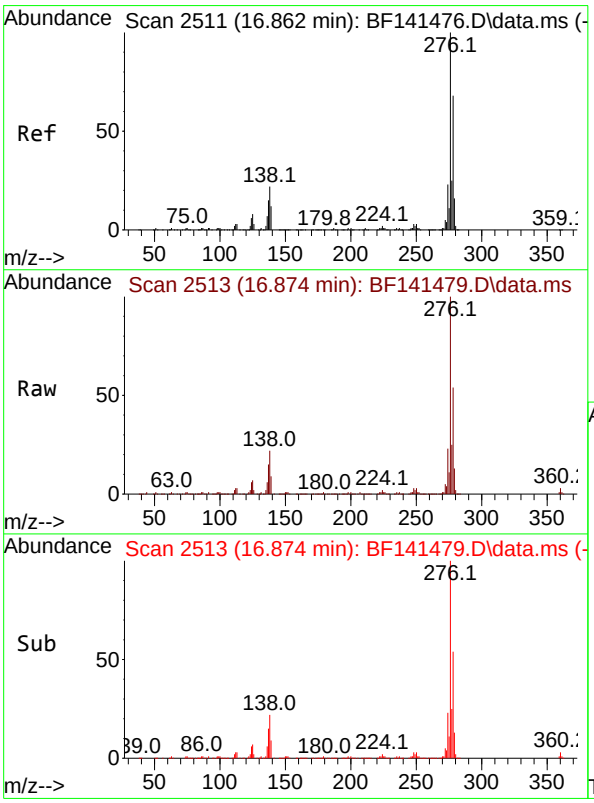
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 170605

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.0	17.0	25.4

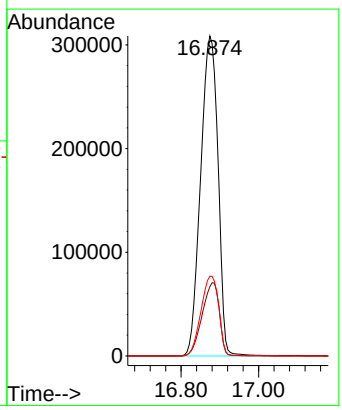


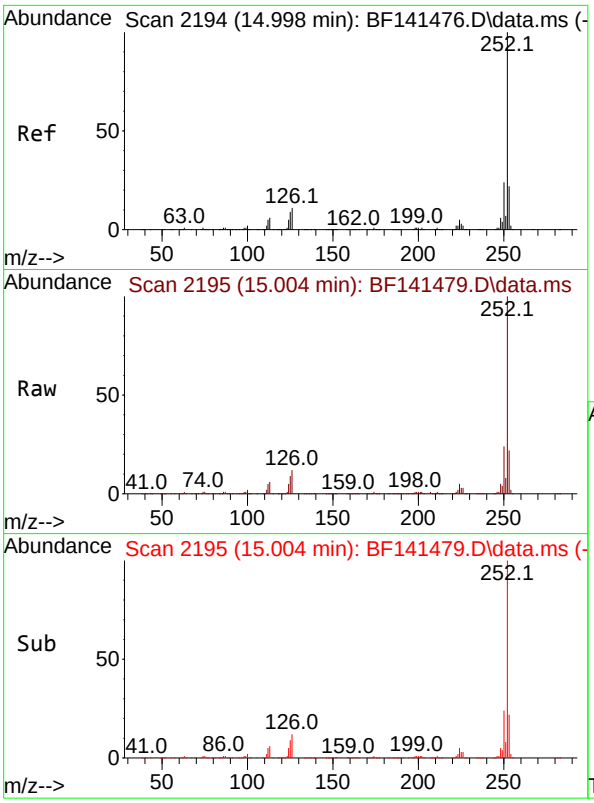


#87
Indeno(1,2,3-cd)pyrene
Concen: 91.166 ng
RT: 16.874 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:276 Resp: 961023

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.0	27.0
277	25.4	20.4	30.6



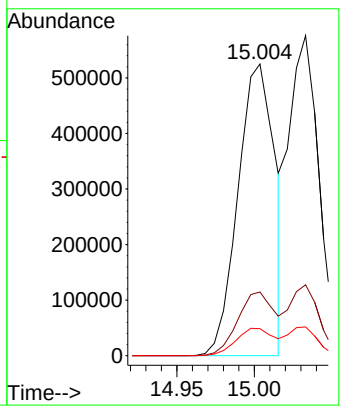


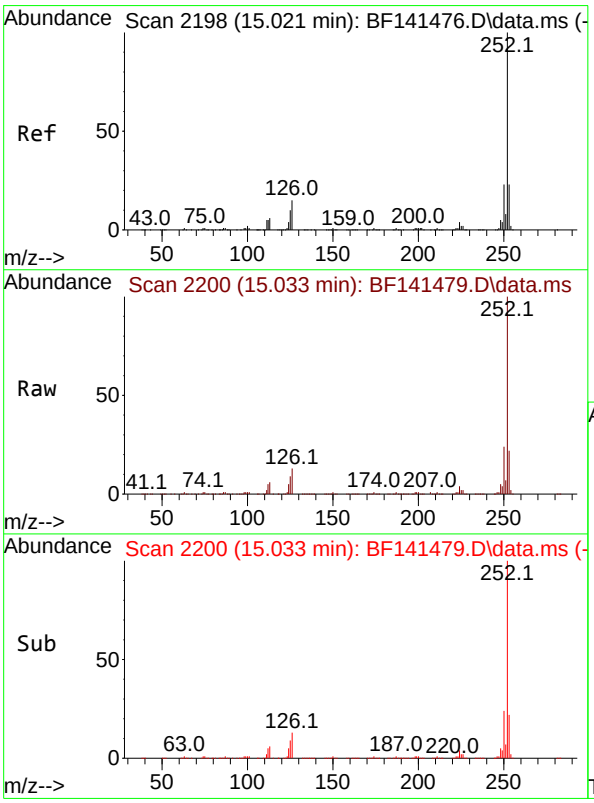
#88
Benzo(b)fluoranthene
Concen: 75.529 ng
RT: 15.004 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 865205

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.3	7.0	10.6

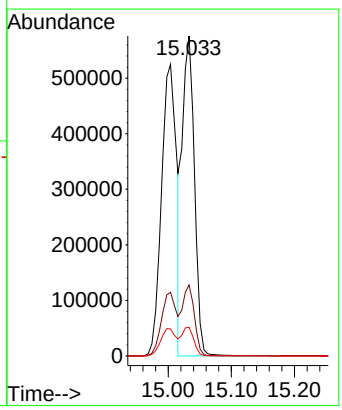


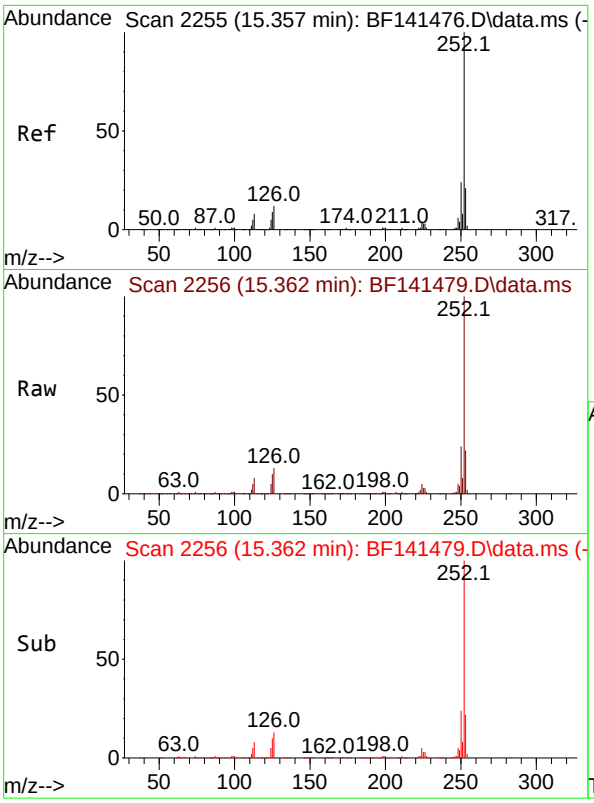


#89
Benzo(k)fluoranthene
Concen: 79.364 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:252 Resp: 776323

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	9.0	7.4	11.0



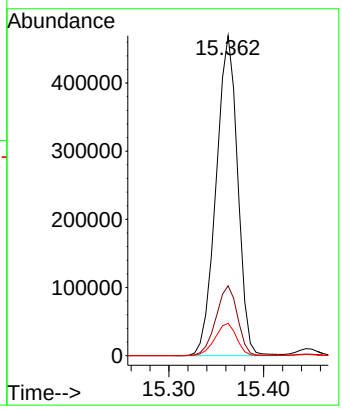


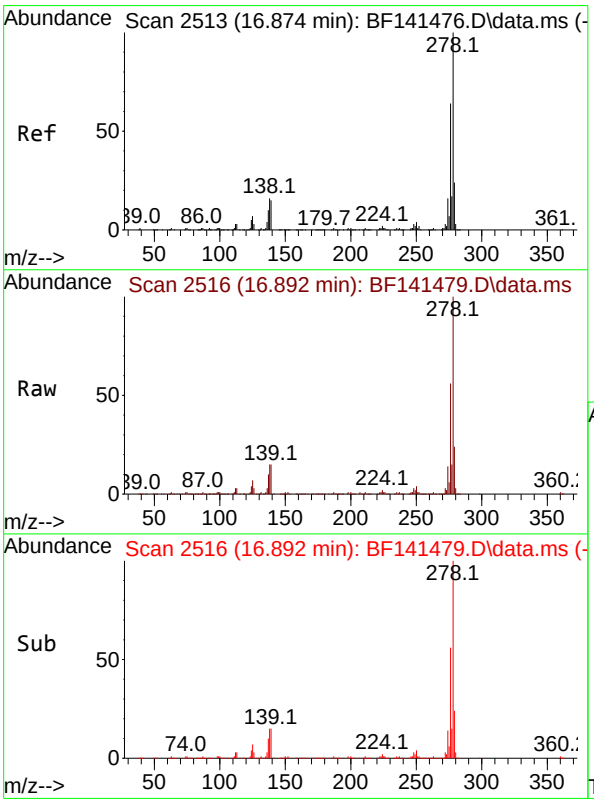
#90
Benzo(a)pyrene
Concen: 80.150 ng
RT: 15.362 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 742932

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.1	7.4	11.2

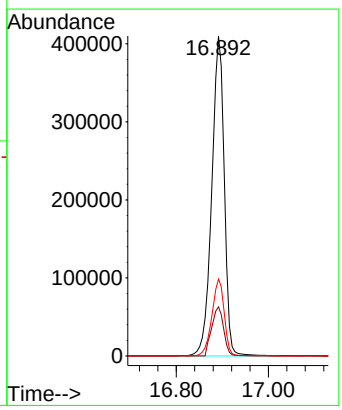


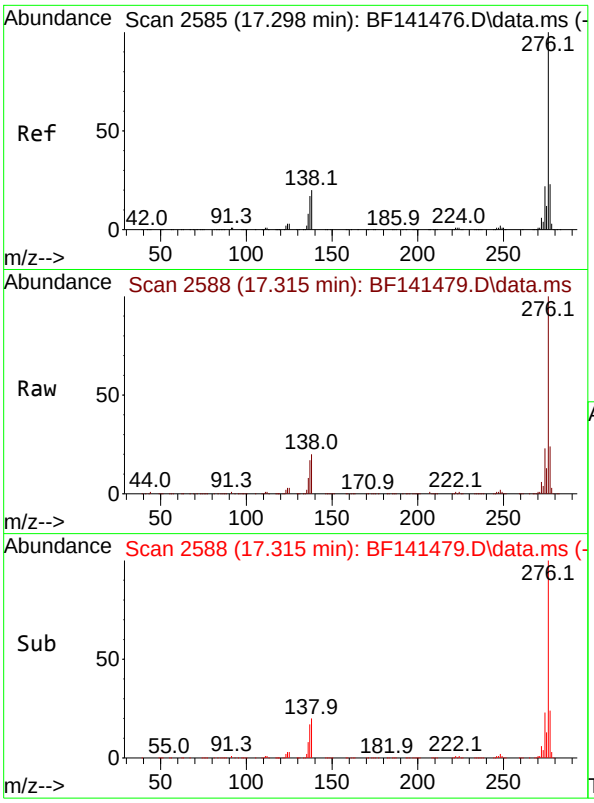


#91
Dibenzo(a,h)anthracene
Concen: 90.578 ng
RT: 16.892 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:278 Resp: 773684

Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.8	17.6
279	24.1	19.1	28.7



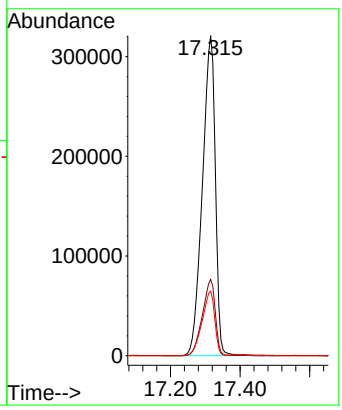


#92
Benzo(g,h,i)perylene
Concen: 93.015 ng
RT: 17.315 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 831418

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	20.2	15.9	23.9



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90009	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	362467	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	197991	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	337289	20.000	ng	0.00
76) Chrysene-d12	13.963	240	252530	20.000	ng	0.00
86) Perylene-d12	15.427	264	199389	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	470176	81.894	ng	0.00
7) Phenol-d6	6.428	99	586892	80.878	ng	-0.01
23) Nitrobenzene-d5	7.357	82	544613	78.369	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	158098	79.490	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1012492	78.786	ng	0.00
79) Terphenyl-d14	12.904	244	1133126	75.750	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	93282	40.369	ng	99
3) Pyridine	3.205	79	230604	41.938	ng	99
4) n-Nitrosodimethylamine	3.158	42	151656	41.653	ng	97
6) Aniline	6.451	93	284762	41.834	ng	92
8) 2-Chlorophenol	6.575	128	251415	40.527	ng	96
9) Benzaldehyde	6.340	77	154649	40.105	ng	99
10) Phenol	6.446	94	306753	40.615	ng	97
11) bis(2-Chloroethyl)ether	6.528	93	226152	39.866	ng	100
12) 1,3-Dichlorobenzene	6.728	146	264052	40.317	ng	98
13) 1,4-Dichlorobenzene	6.804	146	267068	39.911	ng	99
14) 1,2-Dichlorobenzene	6.957	146	250623	40.354	ng	99
15) Benzyl Alcohol	6.934	79	228379	41.041	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	393626	40.535	ng	98
17) 2-Methylphenol	7.051	107	197905	40.768	ng	99
18) Hexachloroethane	7.298	117	101687	41.061	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	173832	40.048	ng	100
20) 3+4-Methylphenols	7.204	107	247254	40.073	ng	98
22) Acetophenone	7.198	105	353867	39.246	ng	100
24) Nitrobenzene	7.375	77	267193	39.429	ng	100
25) Isophorone	7.610	82	440640	39.767	ng	100
26) 2-Nitrophenol	7.687	139	136248	40.413	ng	98
27) 2,4-Dimethylphenol	7.728	122	157242	39.924	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	282744	39.822	ng	100
29) 2,4-Dichlorophenol	7.934	162	211891	39.818	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	227379	39.237	ng	100
31) Naphthalene	8.093	128	741255	39.287	ng	100
32) Benzoic acid	7.857	122	164966	40.324	ng	98
33) 4-Chloroaniline	8.145	127	267977	40.680	ng	99
34) Hexachlorobutadiene	8.210	225	139658	40.144	ng	99
35) Caprolactam	8.516	113	66599	41.104	ng	99
36) 4-Chloro-3-methylphenol	8.634	107	235824	40.006	ng	100
37) 2-Methylnaphthalene	8.787	142	475273	38.710	ng	100
38) 1-Methylnaphthalene	8.881	142	464346	39.049	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	230166	40.182	ng	99
41) Hexachlorocyclopentadiene	8.934	237	73834	38.754	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	147770	39.914	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

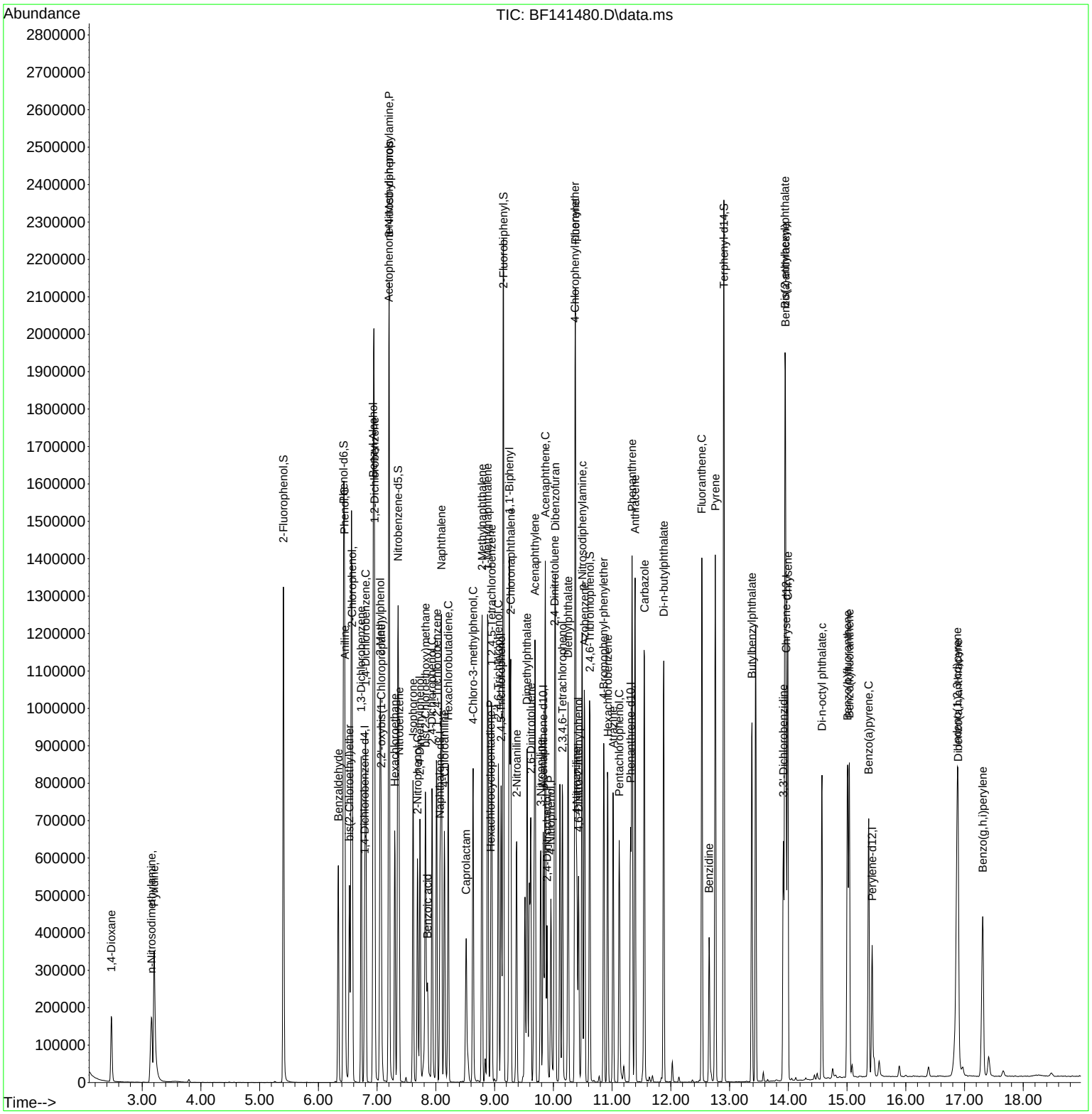
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	160926	40.108	ng	99
46) 1,1'-Biphenyl	9.251	154	606611	39.519	ng	100
47) 2-Chloronaphthalene	9.275	162	447817	39.453	ng	100
48) 2-Nitroaniline	9.375	65	154092	40.451	ng	98
49) Acenaphthylene	9.687	152	670833	39.734	ng	99
50) Dimethylphthalate	9.551	163	530769	39.488	ng	99
51) 2,6-Dinitrotoluene	9.616	165	117431	39.965	ng	99
52) Acenaphthene	9.863	154	452794	39.893	ng	100
53) 3-Nitroaniline	9.787	138	127965	40.463	ng	99
54) 2,4-Dinitrophenol	9.892	184	74461	42.639	ng	97
55) Dibenzofuran	10.034	168	664069	39.860	ng	99
56) 4-Nitrophenol	9.957	139	98990	42.166	ng	99
57) 2,4-Dinitrotoluene	10.022	165	158941	40.633	ng	100
58) Fluorene	10.375	166	508833	39.501	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	139688	40.438	ng	97
60) Diethylphthalate	10.251	149	521933	39.467	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	243659	39.318	ng	98
62) 4-Nitroaniline	10.398	138	132059	41.124	ng	99
63) Azobenzene	10.528	77	522705	39.759	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	98944	42.230	ng	98
66) n-Nitrosodiphenylamine	10.492	169	432307	40.040	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	154044	40.864	ng	95
68) Hexachlorobenzene	10.928	284	156075	40.208	ng	99
69) Atrazine	11.016	200	127486	39.358	ng	100
70) Pentachlorophenol	11.122	266	105427	42.476	ng	99
71) Phenanthrene	11.339	178	744761	40.114	ng	100
72) Anthracene	11.392	178	753295	40.362	ng	100
73) Carbazole	11.551	167	676218	40.267	ng	100
74) Di-n-butylphthalate	11.881	149	794101	40.953	ng	100
75) Fluoranthene	12.528	202	807256	41.011	ng	100
77) Benzidine	12.651	184	211734	38.017	ng	100
78) Pyrene	12.757	202	812250	37.784	ng	100
80) Butylbenzylphthalate	13.380	149	311103	41.781	ng	99
81) Benzo(a)anthracene	13.951	228	638036	38.009	ng	100
82) 3,3'-Dichlorobenzidine	13.916	252	185650	38.608	ng	99
83) Chrysene	13.992	228	610091	39.361	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	371434	44.229	ng	100
85) Di-n-octyl phthalate	14.574	149	534947	44.652	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	474949	38.551	ng	99
88) Benzo(b)fluoranthene	15.010	252	526847	39.352	ng	100
89) Benzo(k)fluoranthene	15.039	252	470794	41.182	ng	98
90) Benzo(a)pyrene	15.369	252	427462	39.459	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	388028	38.870	ng	99
92) Benzo(g,h,i)perylene	17.310	276	402566	38.536	ng	99

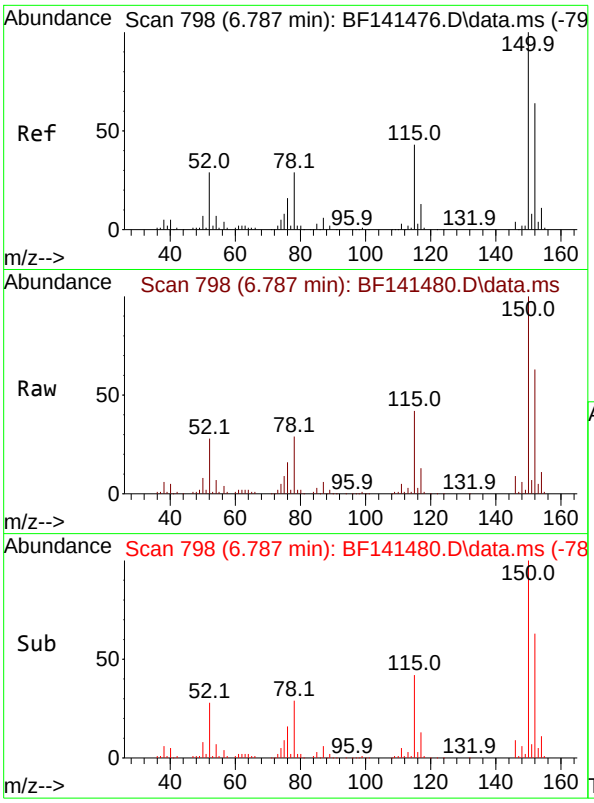
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



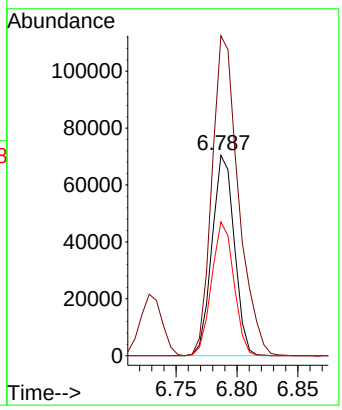


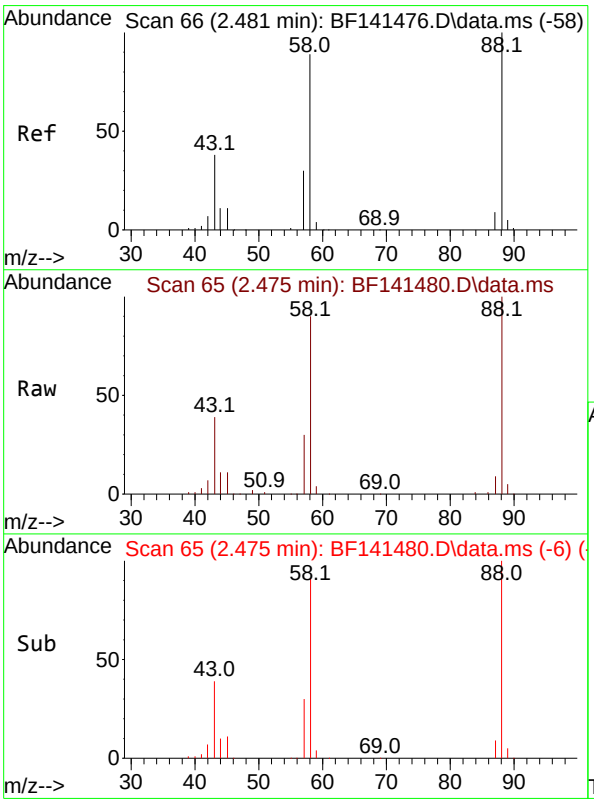
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:152 Resp: 90009

Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.0	187.4
115	66.8	53.6	80.4

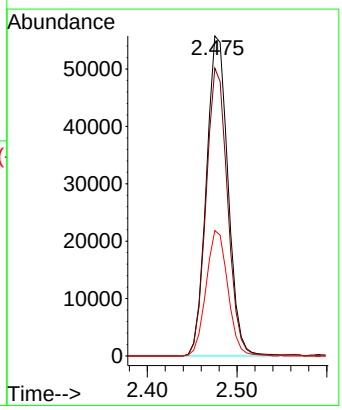


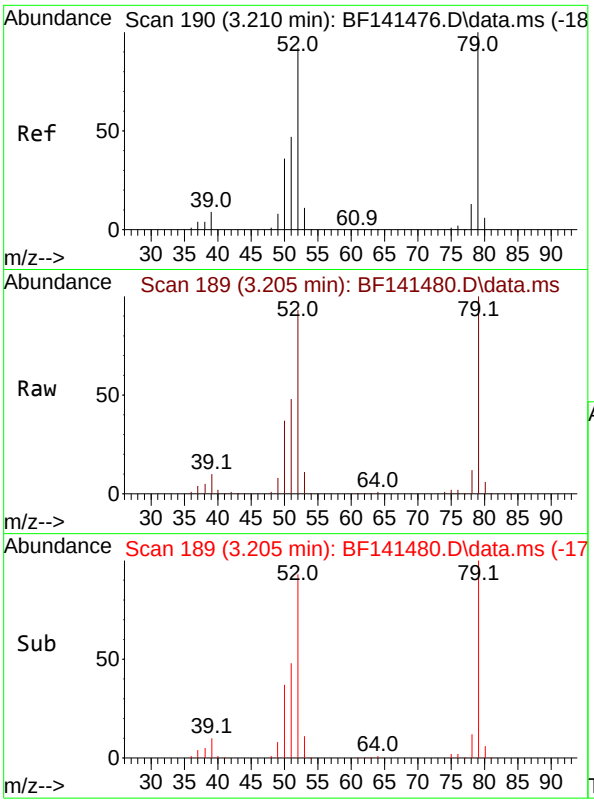


#2
1,4-Dioxane
Concen: 40.369 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 88 Resp: 93282

Ion	Ratio	Lower	Upper
88	100		
58	89.1	71.1	106.7
43	39.4	30.6	46.0



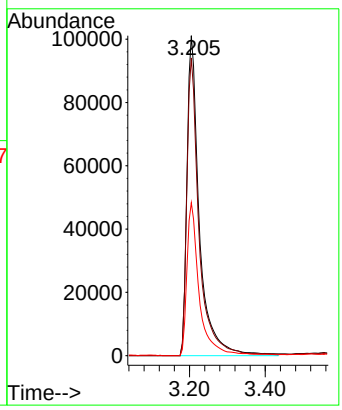


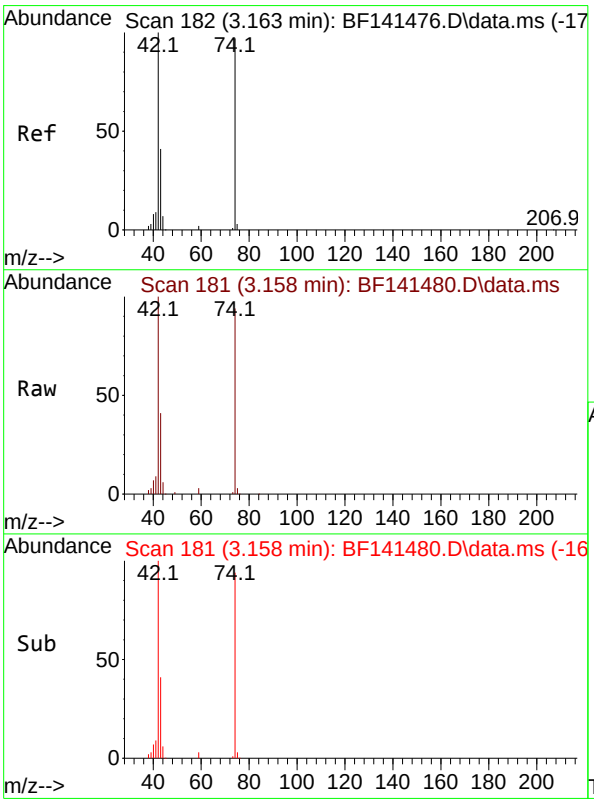
#3
Pyridine
Concen: 41.938 ng
RT: 3.205 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 79 Resp: 230604

Ion	Ratio	Lower	Upper
79	100		
52	93.1	73.7	110.5
51	47.8	37.5	56.3

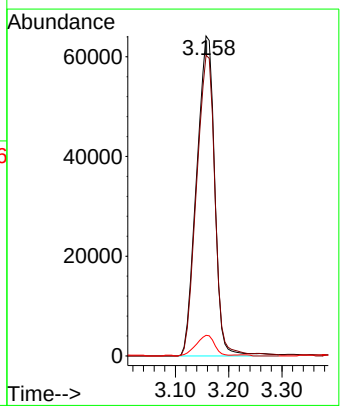


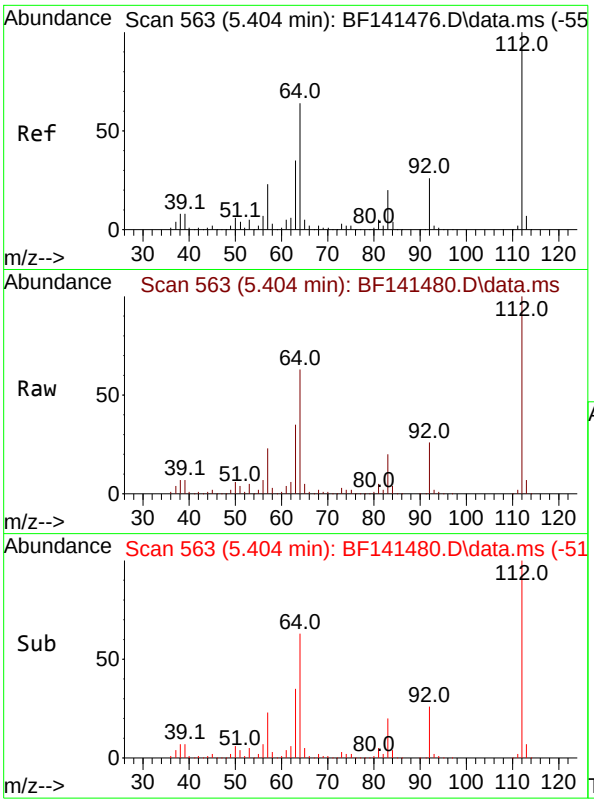


#4
n-Nitrosodimethylamine
Concen: 41.653 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 42 Resp: 151656

Ion	Ratio	Lower	Upper
42	100		
74	94.0	78.0	117.0
44	6.5	5.4	8.2



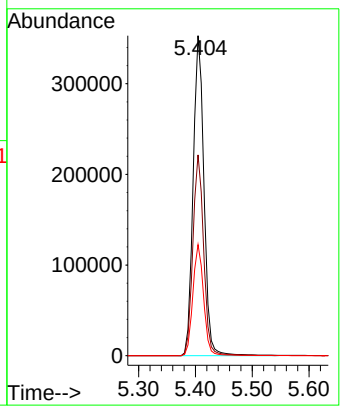


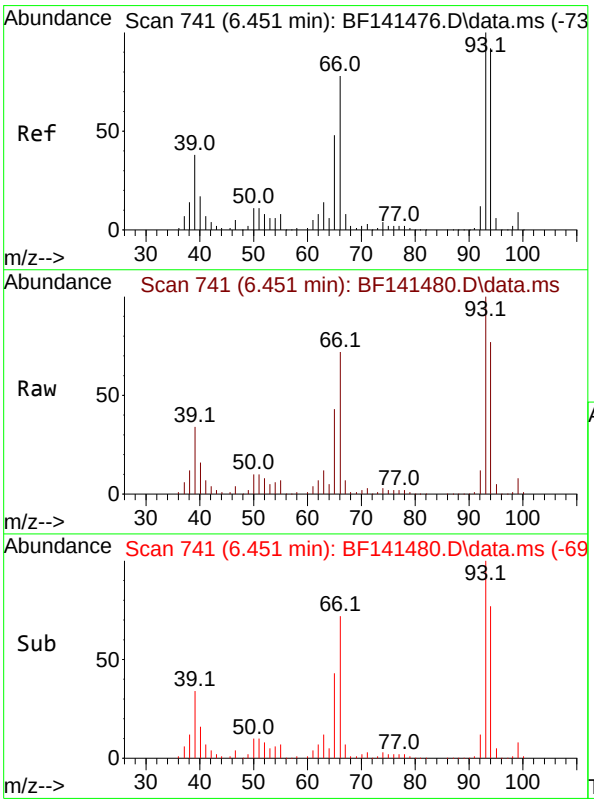
#5
2-Fluorophenol
Concen: 81.894 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:112 Resp: 470176

Ion	Ratio	Lower	Upper
112	100		
64	62.8	51.1	76.7
63	34.7	28.4	42.6

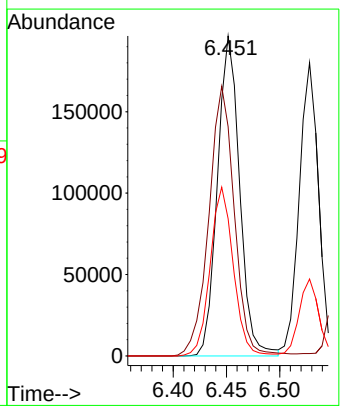


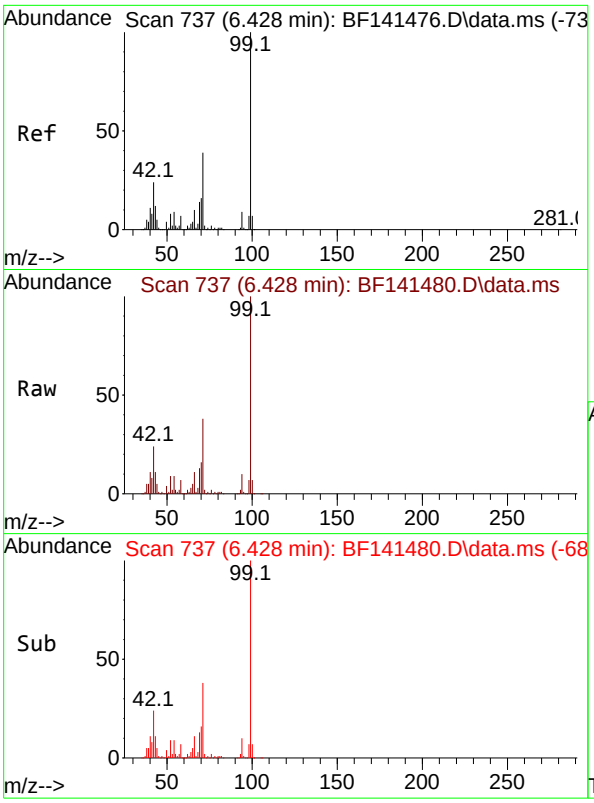


#6
Aniline
Concen: 41.834 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 93 Resp: 284762

Ion	Ratio	Lower	Upper
93	100		
66	71.6	62.6	94.0
65	42.9	38.3	57.5



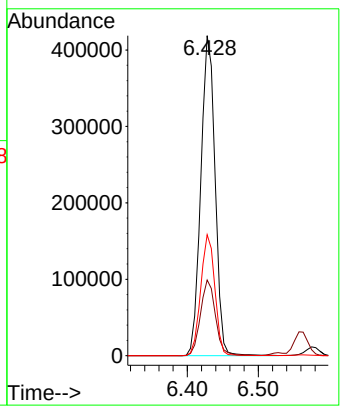


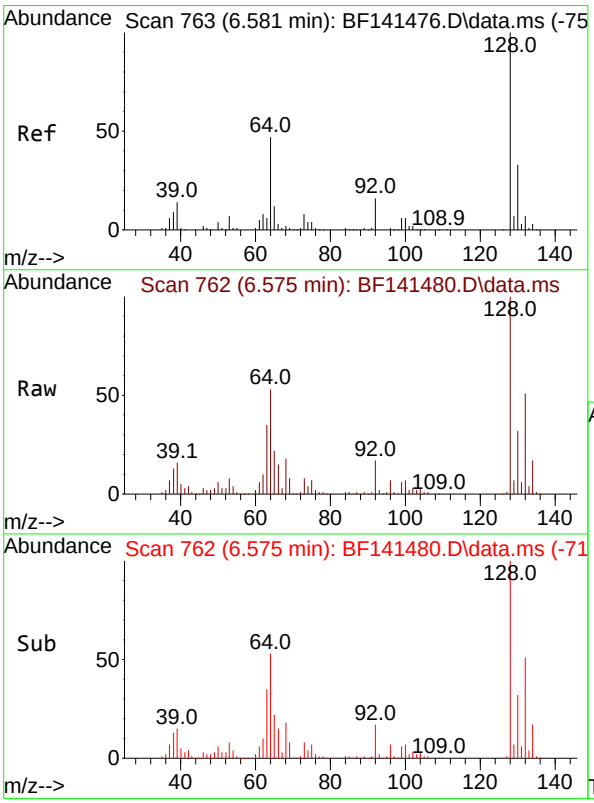
#7
Phenol-d6
Concen: 80.878 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 99 Resp: 586892

Ion	Ratio	Lower	Upper
99	100		
42	23.7	19.1	28.7
71	37.8	31.1	46.7

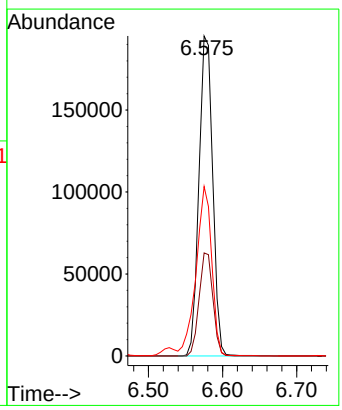


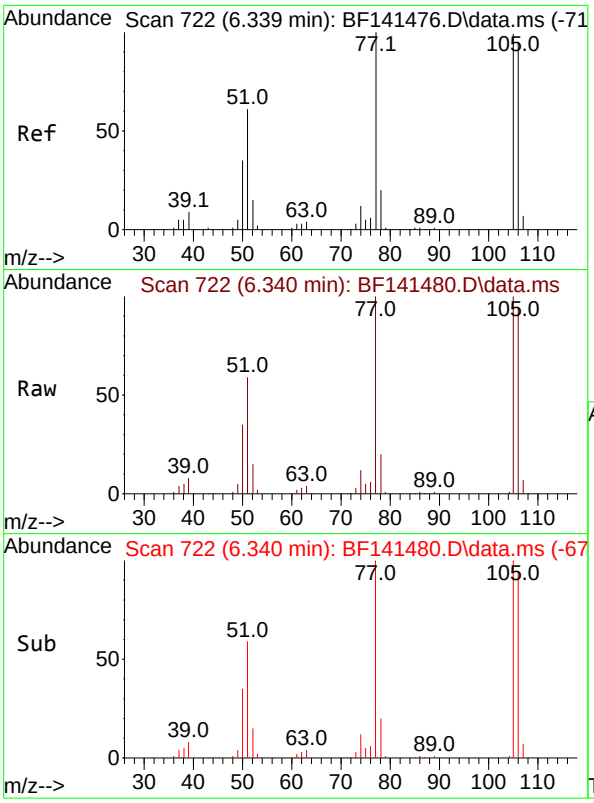


#8
2-Chlorophenol
Concen: 40.527 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:128 Resp: 251415

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	52.9	28.3	68.3



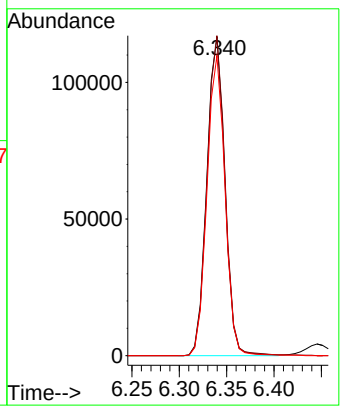


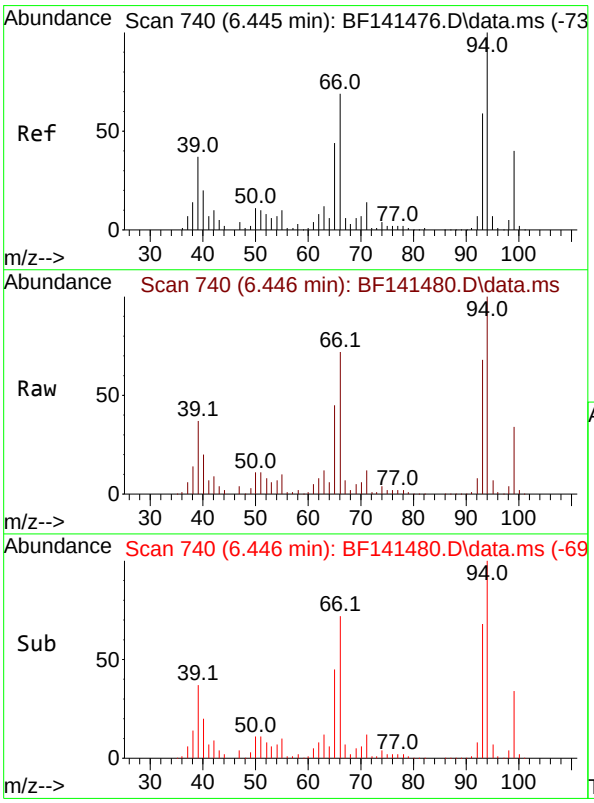
#9
Benzaldehyde
Concen: 40.105 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 77 Resp: 154649

Ion	Ratio	Lower	Upper
77	100		
105	100.4	79.4	119.4
106	94.1	75.1	115.1

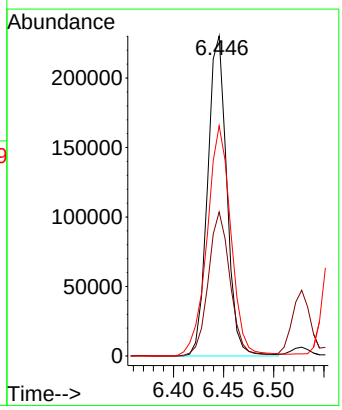


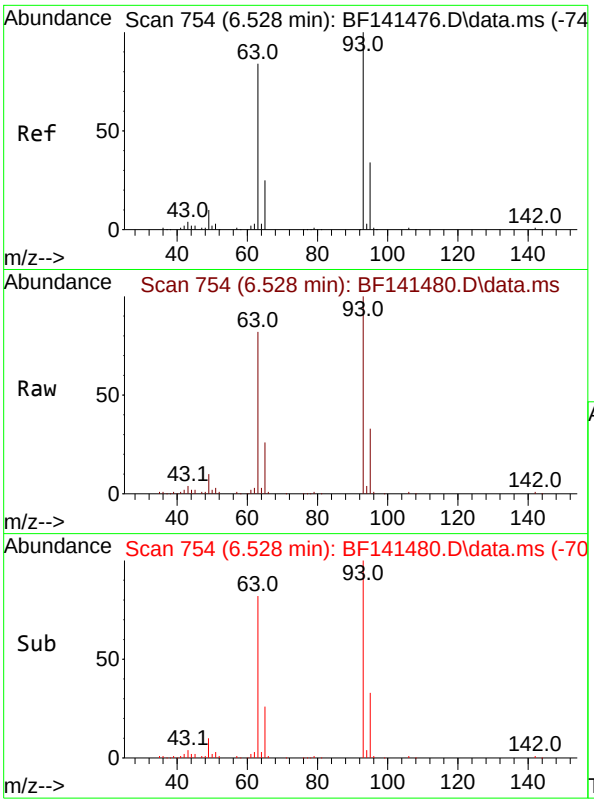


#10
Phenol
Concen: 40.615 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 94 Resp: 306753

Ion	Ratio	Lower	Upper
94	100		
65	45.0	23.7	63.7
66	71.9	49.3	89.3



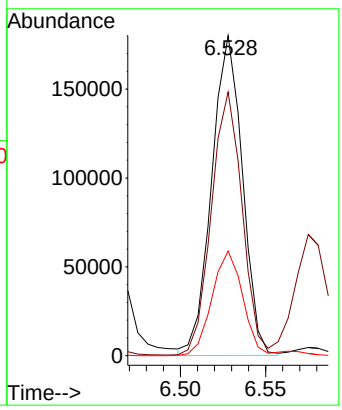


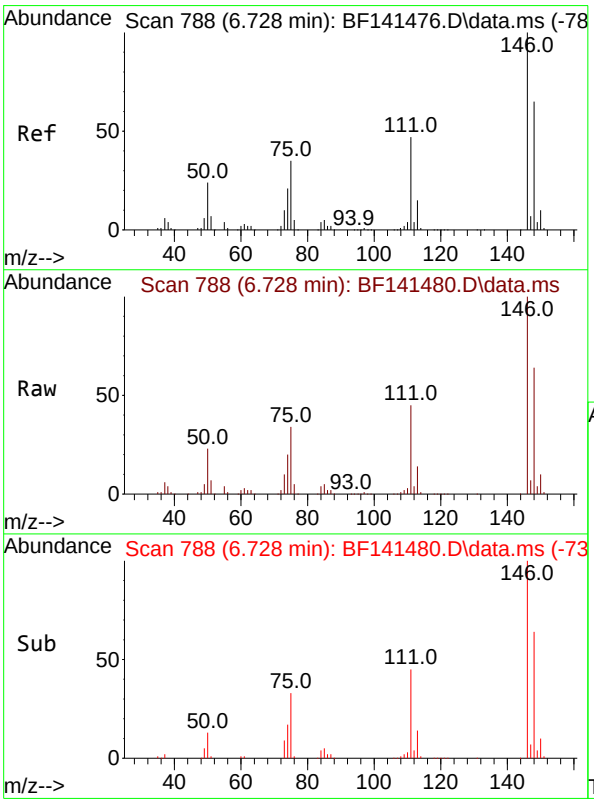
#11
bis(2-Chloroethyl)ether
Concen: 39.866 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 93 Resp: 226152

Ion	Ratio	Lower	Upper
93	100		
63	82.4	62.0	102.0
95	32.7	12.6	52.6

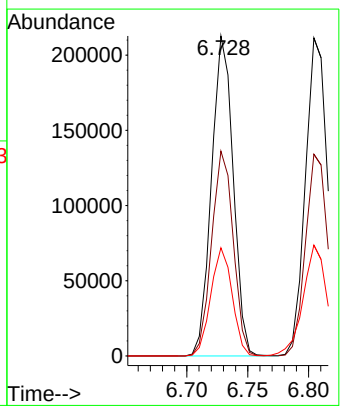


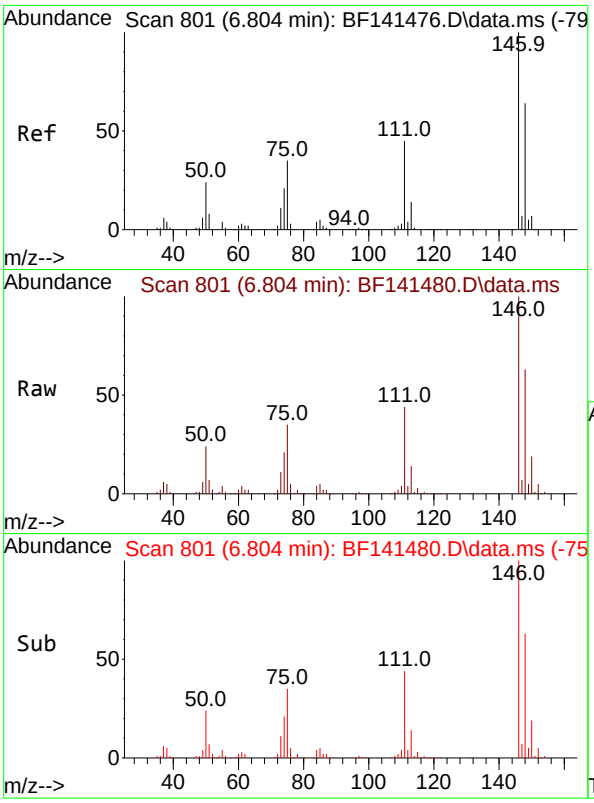


#12
1,3-Dichlorobenzene
Concen: 40.317 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:146 Resp: 264052

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	33.8	28.2	42.2



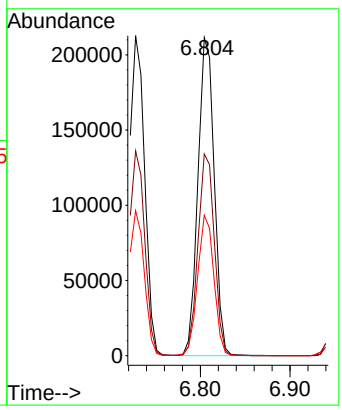


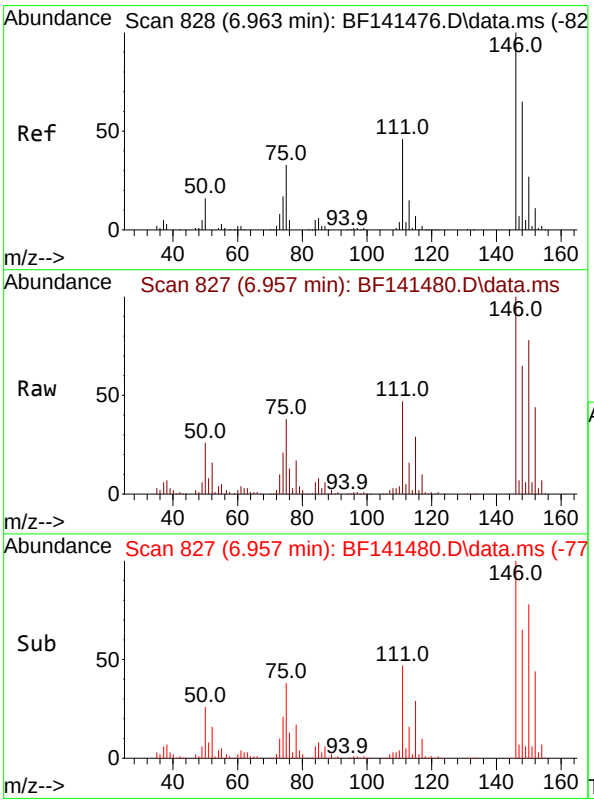
#13
1,4-Dichlorobenzene
Concen: 39.911 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:146 Resp: 267068

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.9	76.3
111	44.2	35.9	53.9

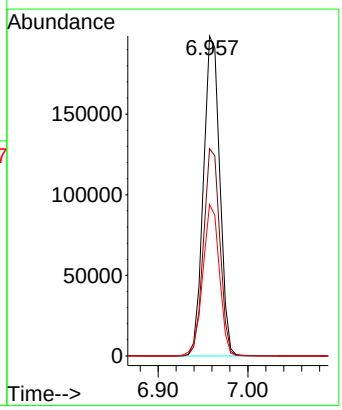


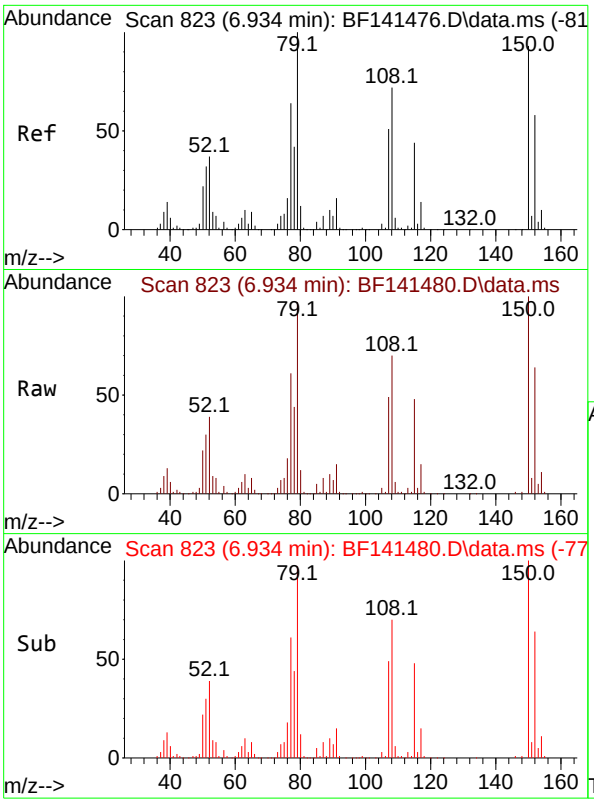


#14
1,2-Dichlorobenzene
Concen: 40.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:146 Resp: 250623

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.6
111	47.4	37.0	55.4



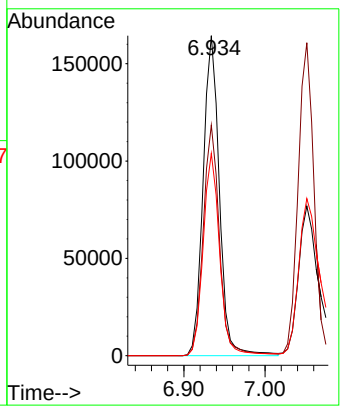


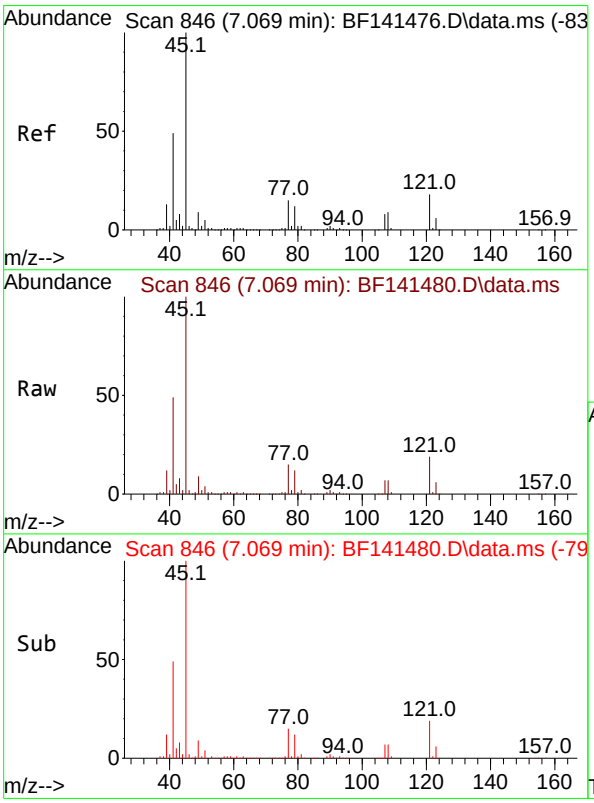
#15
Benzyl Alcohol
Concen: 41.041 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 79 Resp: 228379

Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.4	86.2
77	63.2	50.9	76.3

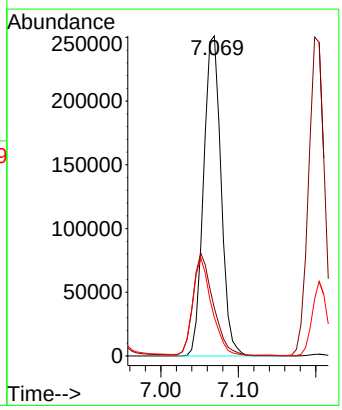


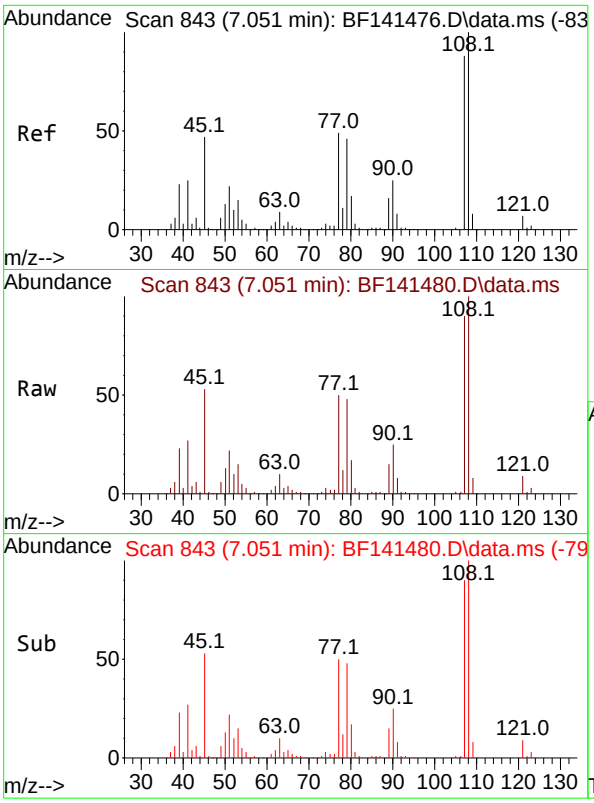


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.535 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 45 Resp: 393626

Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	35.8
79	12.0	0.0	32.7



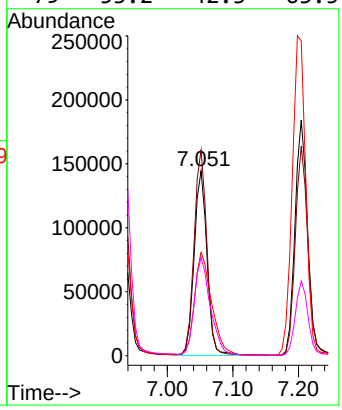


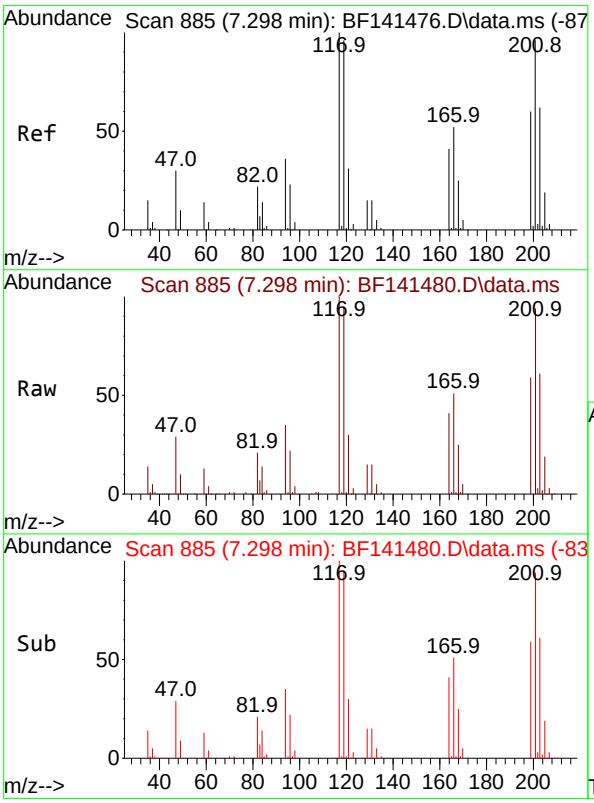
#17
2-Methylphenol
Concen: 40.768 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:107 Resp: 197905

Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.6	136.0
77	55.8	44.4	66.6
79	53.2	42.3	63.5

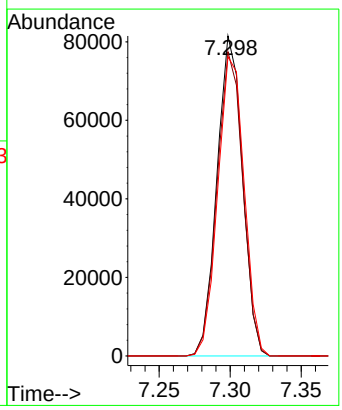


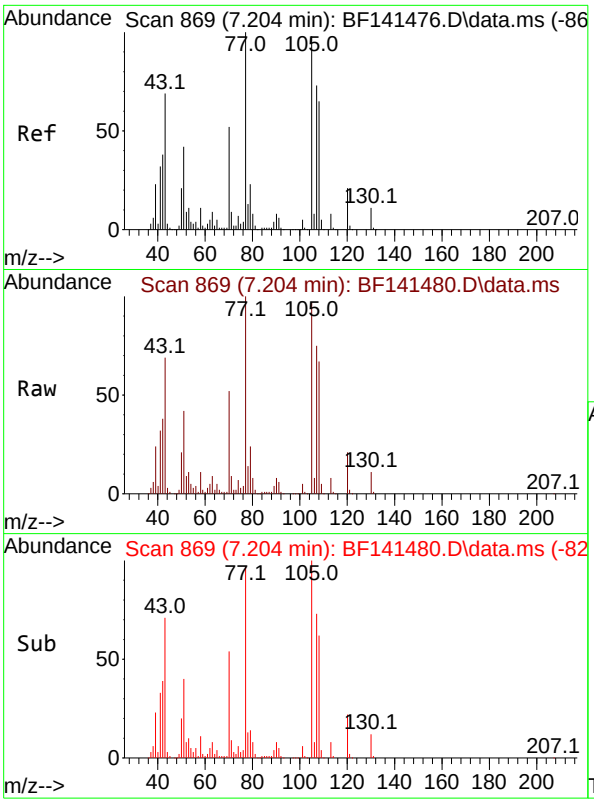


#18
Hexachloroethane
Concen: 41.061 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:117 Resp: 101687

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.5	114.7
201	93.5	76.7	115.1



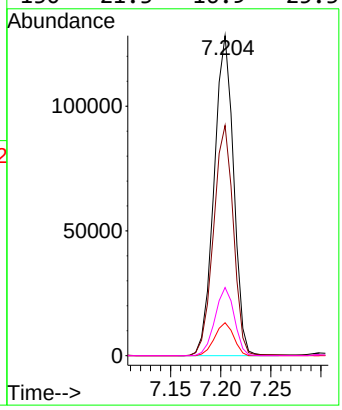


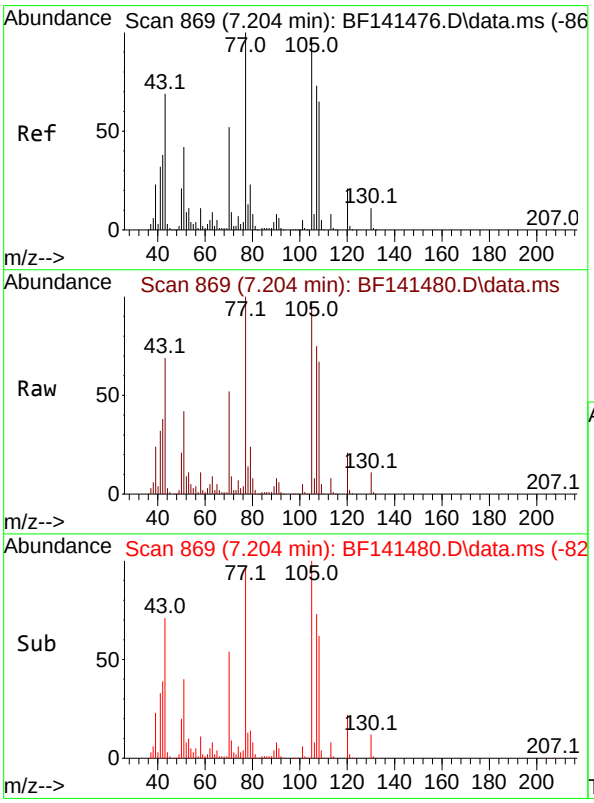
#19
n-Nitroso-di-n-propylamine
Concen: 40.048 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 70 Resp: 173832

Ion	Ratio	Lower	Upper
70	100		
42	72.0	57.4	86.2
101	10.3	8.0	12.0
130	21.3	16.9	25.3

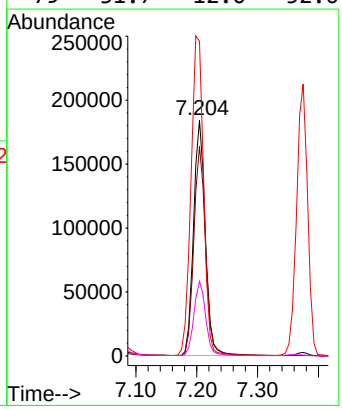


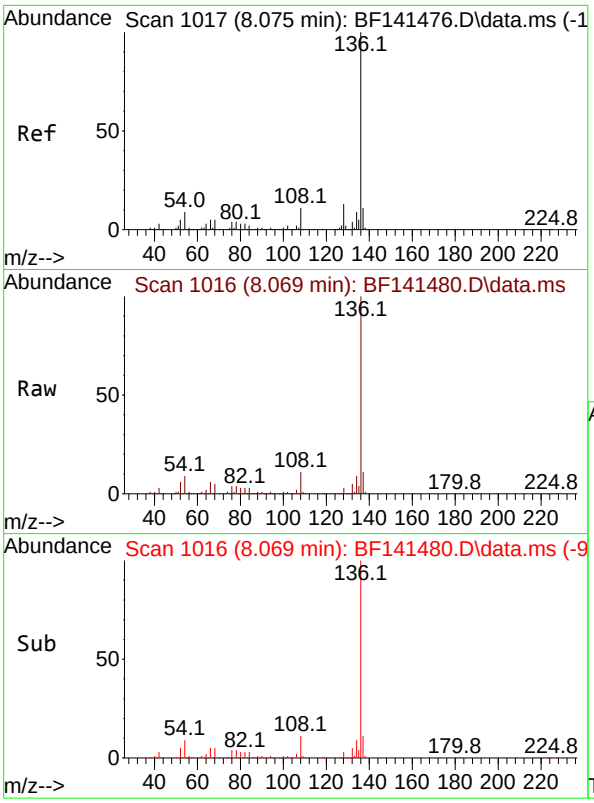


#20
3+4-Methylphenols
Concen: 40.073 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:107 Resp: 247254

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	133.5	116.5	156.5
79	31.7	12.0	52.0



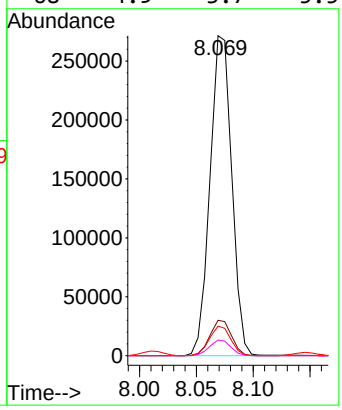


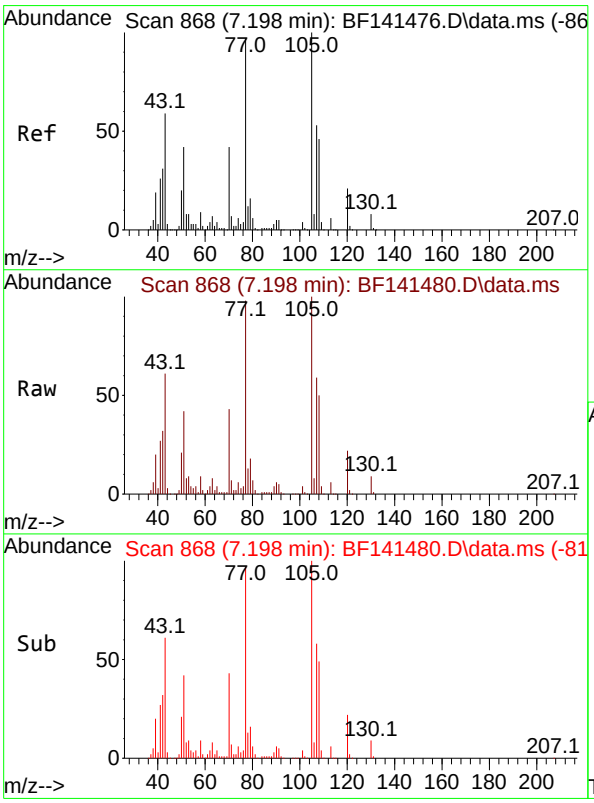
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:136 Resp: 362467

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.3	7.2	10.8
68	4.9	3.7	5.5

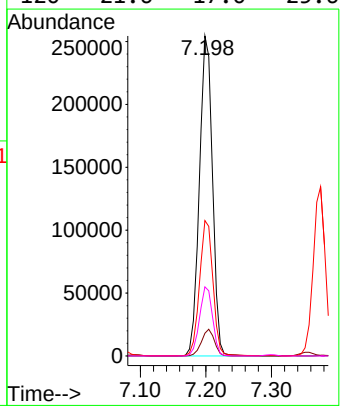


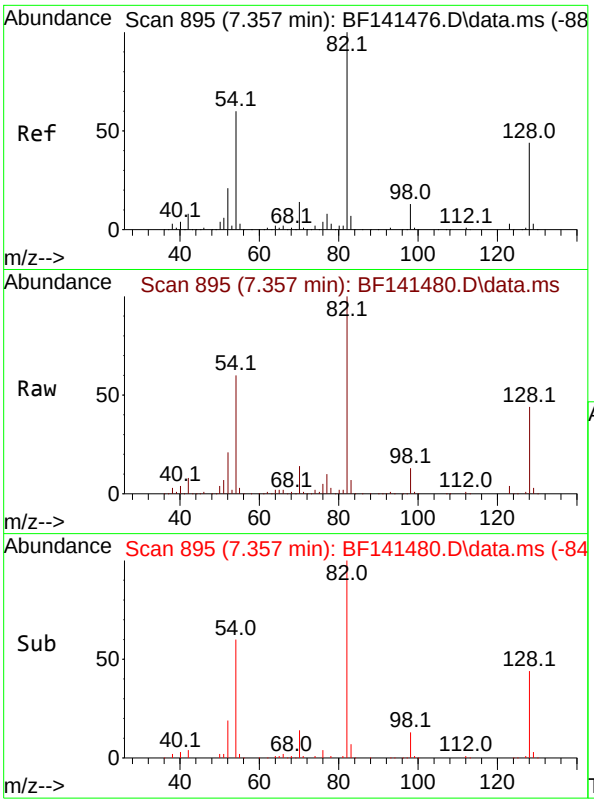


#22
Acetophenone
Concen: 39.246 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:105 Resp: 353867

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	42.3	33.7	50.5
120	21.6	17.0	25.6



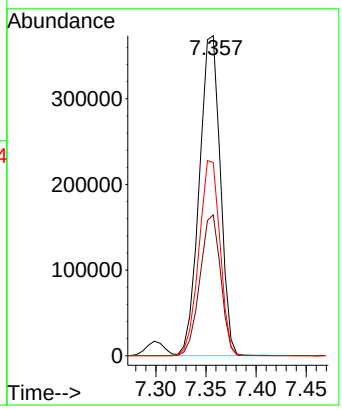


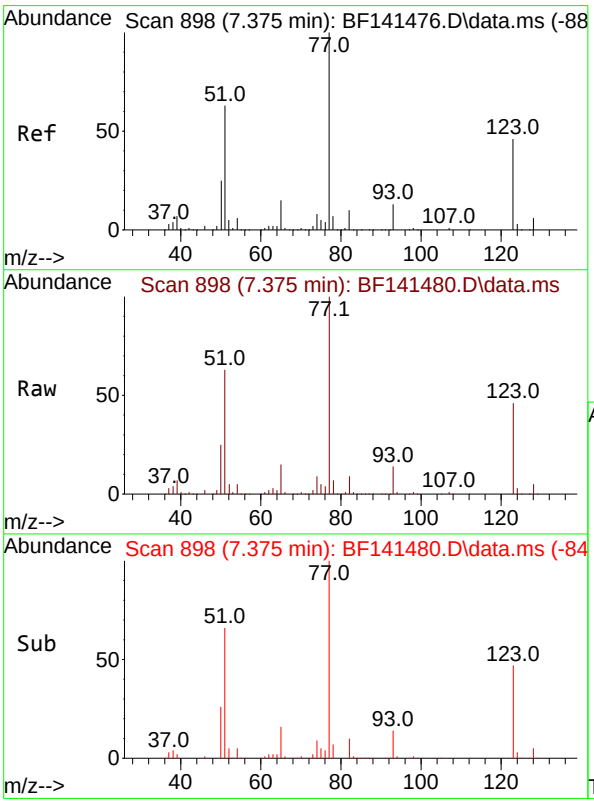
#23
Nitrobenzene-d5
Concen: 78.369 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 82 Resp: 544613

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	60.4	48.2	72.4

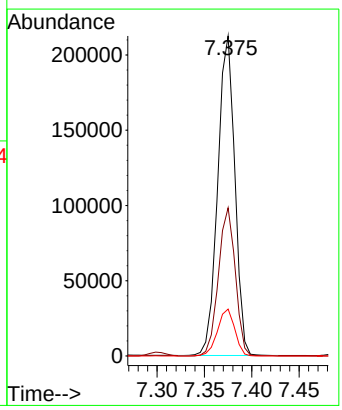


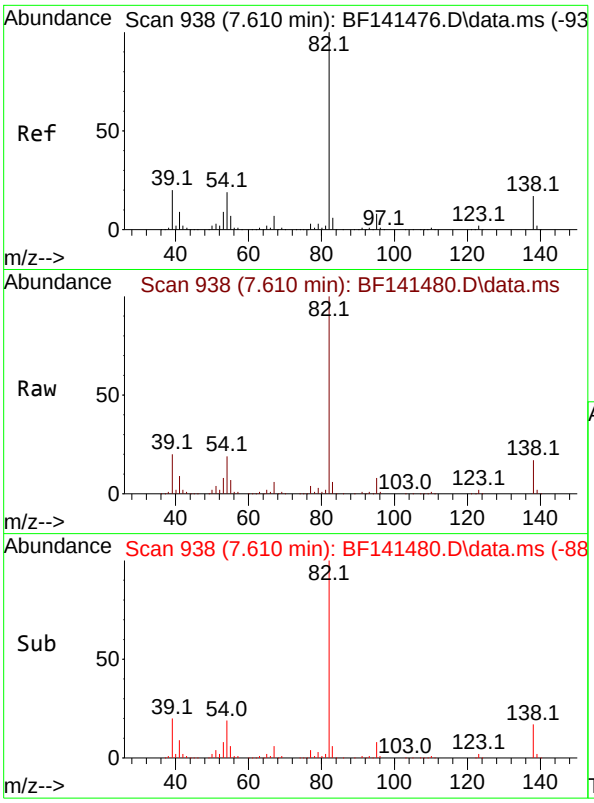


#24
Nitrobenzene
Concen: 39.429 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 77 Resp: 267193

Ion	Ratio	Lower	Upper
77	100		
123	46.3	36.9	55.3
65	14.6	11.9	17.9



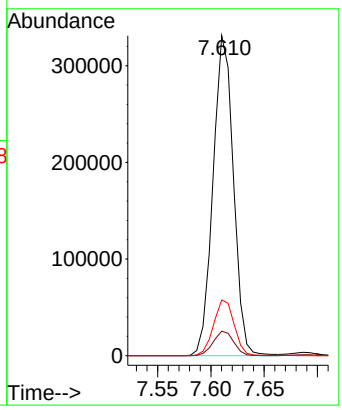


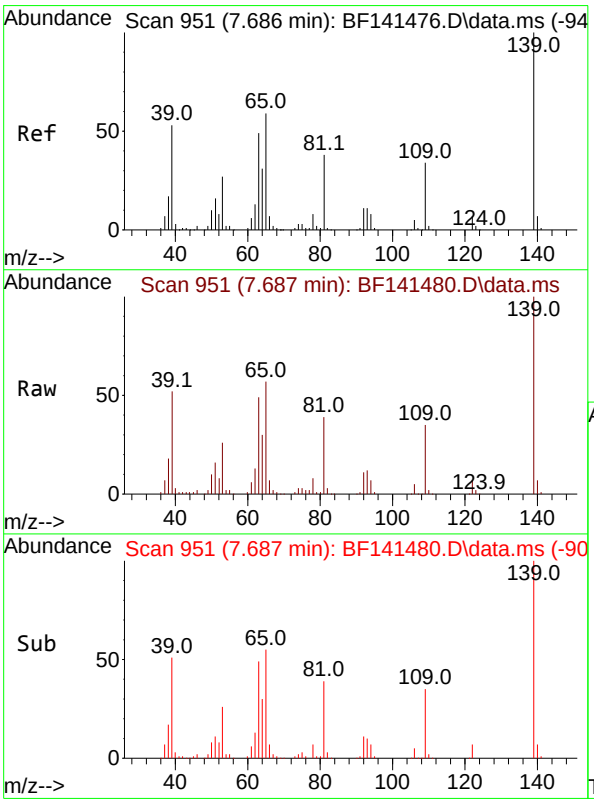
#25
Isophorone
Concen: 39.767 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 82 Resp: 440640

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	17.4	13.9	20.9

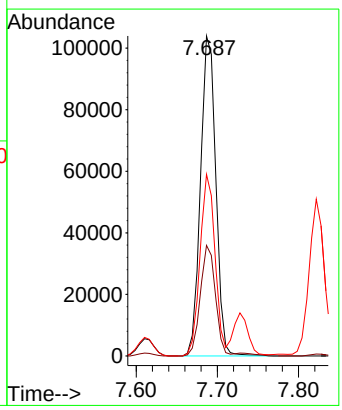


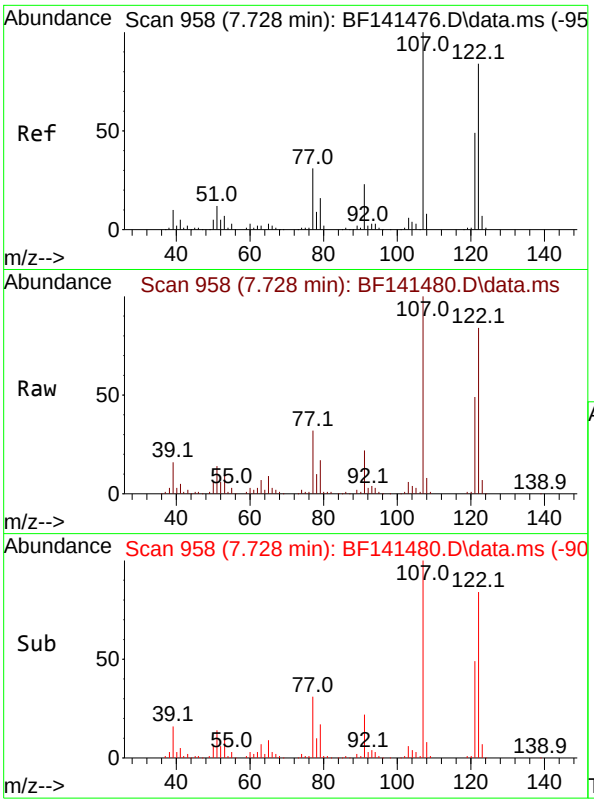


#26
2-Nitrophenol
Concen: 40.413 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:139 Resp: 136248

Ion	Ratio	Lower	Upper
139	100		
109	34.6	27.0	40.6
65	56.7	47.1	70.7



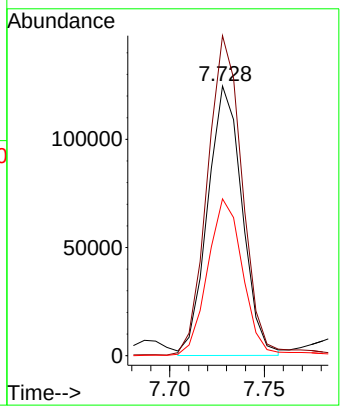


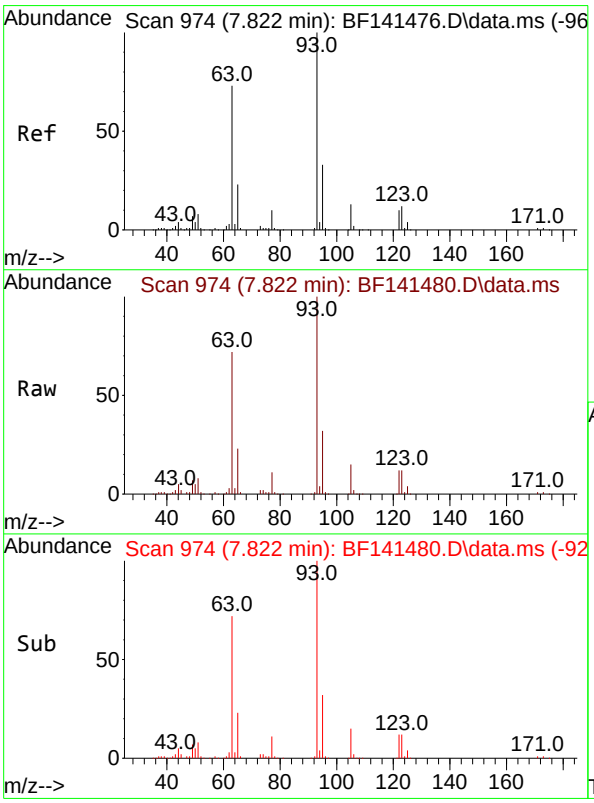
#27
2,4-Dimethylphenol
Concen: 39.924 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:122 Resp: 157242

Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	58.2	46.0	69.0

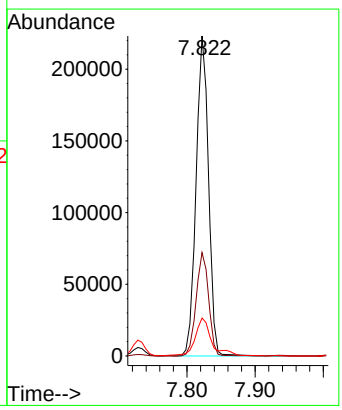


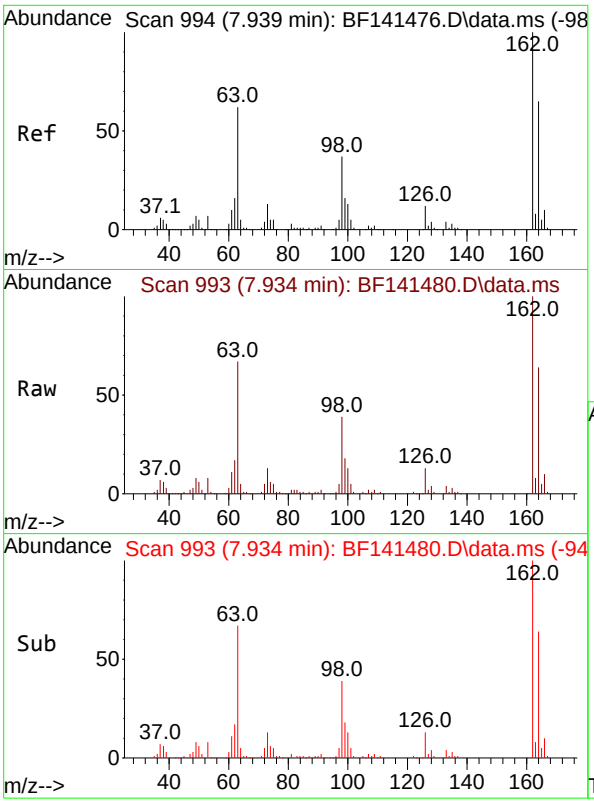


#28
bis(2-Chloroethoxy)methane
Concen: 39.822 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 93 Resp: 282744

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.1	39.1
123	11.9	9.5	14.3



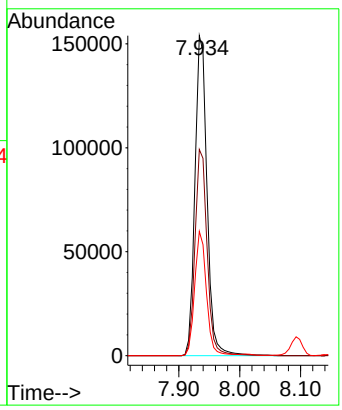


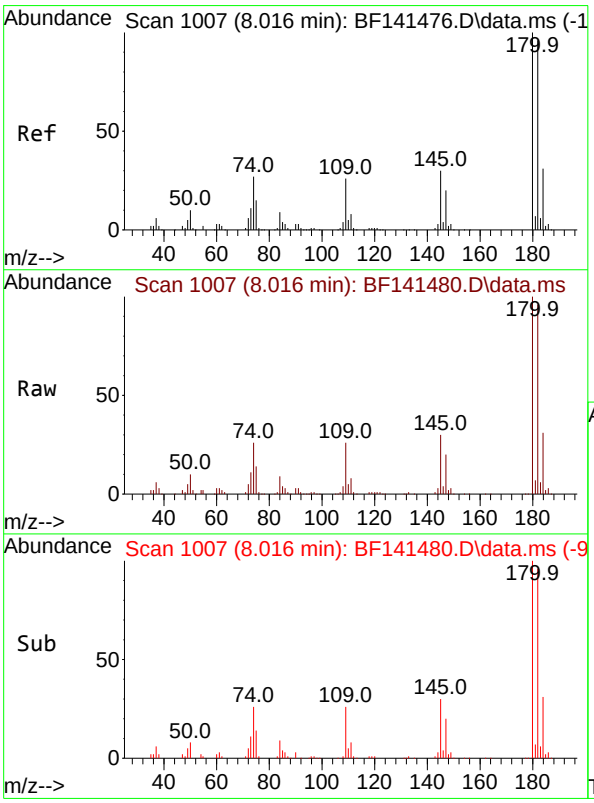
#29
2,4-Dichlorophenol
Concen: 39.818 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:162 Resp: 211891

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.6	84.6
98	38.9	17.2	57.2

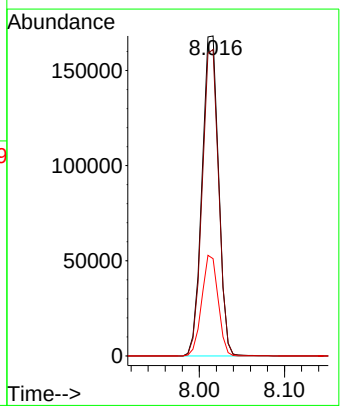


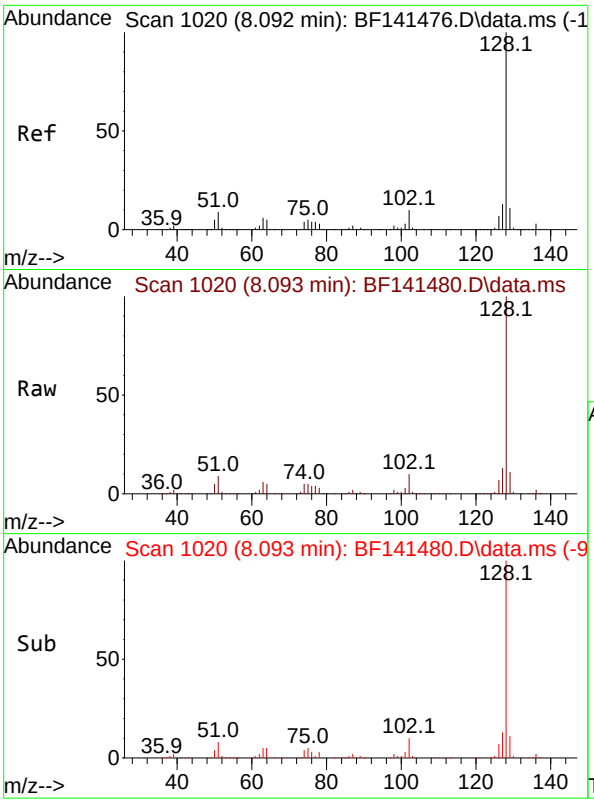


#30
1,2,4-Trichlorobenzene
Concen: 39.237 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:180 Resp: 227379

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	30.4	24.2	36.4



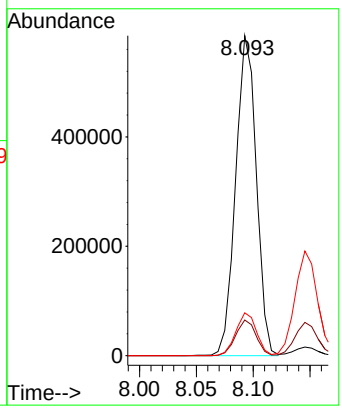


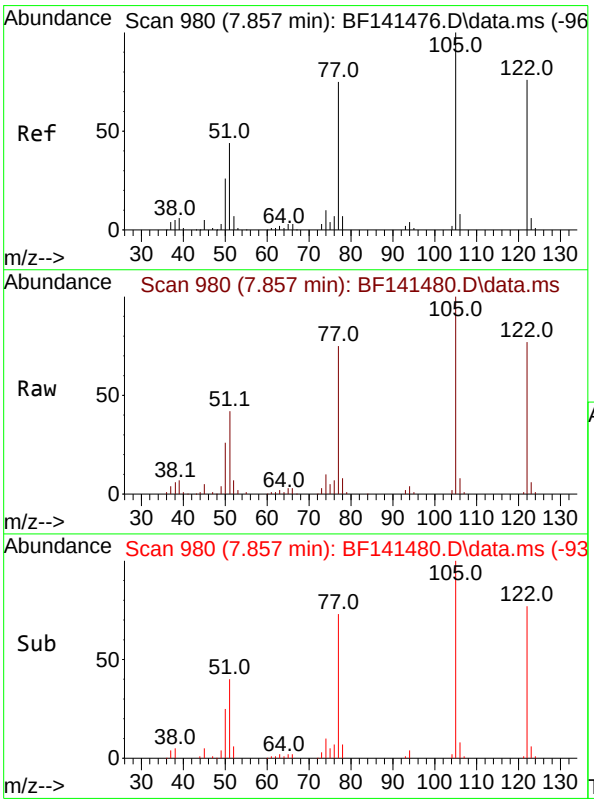
#31
Naphthalene
Concen: 39.287 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:128 Resp: 741255

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

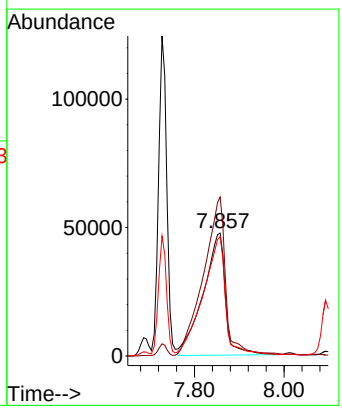


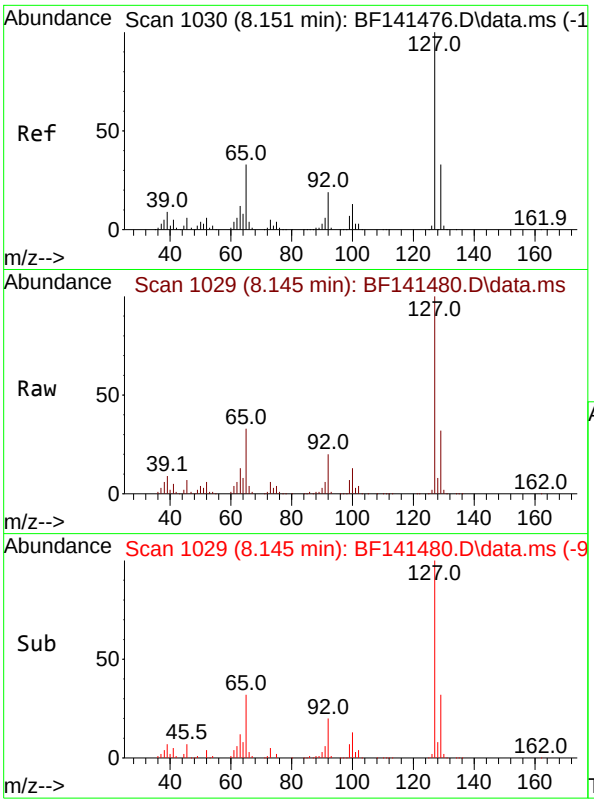


#32
Benzoic acid
Concen: 40.324 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:122 Resp: 164966

Ion	Ratio	Lower	Upper
122	100		
105	129.3	106.5	146.5
77	97.2	76.3	116.3



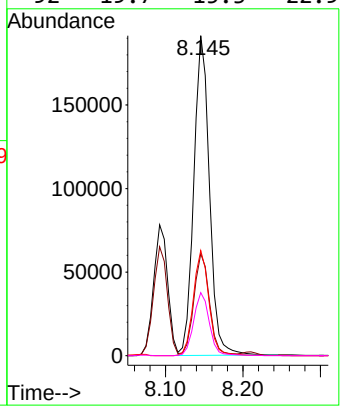


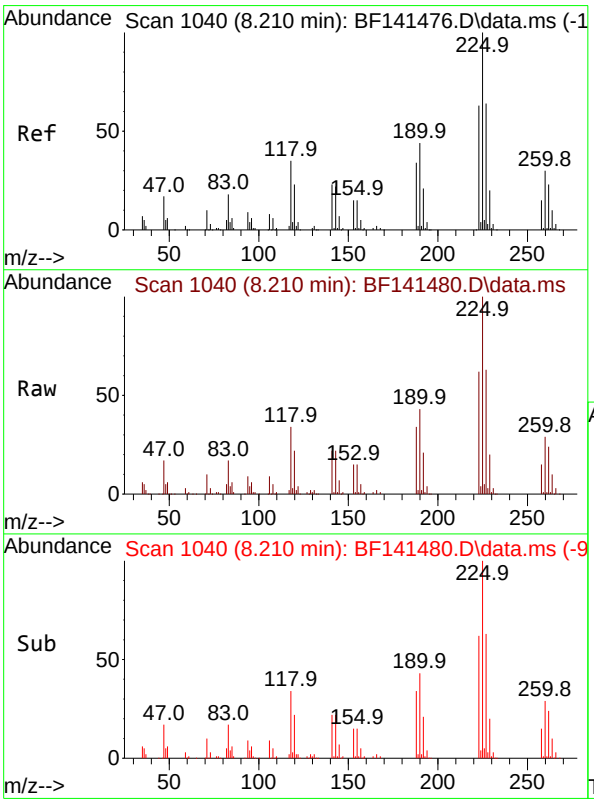
#33
4-Chloroaniline
Concen: 40.680 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:127 Resp: 267977

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	32.9	26.4	39.6
92	19.7	15.3	22.9

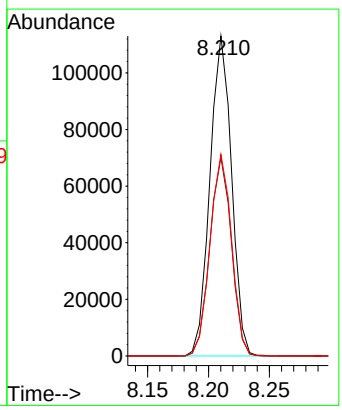


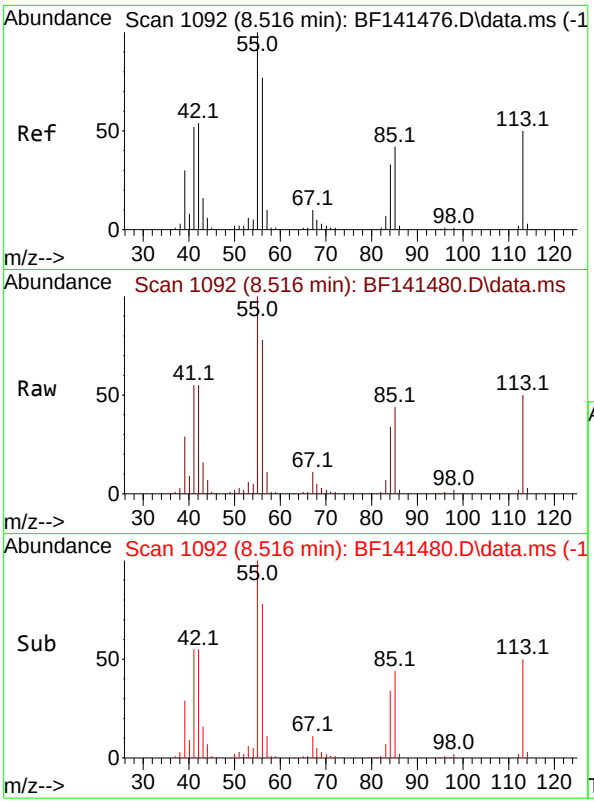


#34
Hexachlorobutadiene
Concen: 40.144 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:225 Resp: 139658

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.1	75.1
227	63.0	51.0	76.6



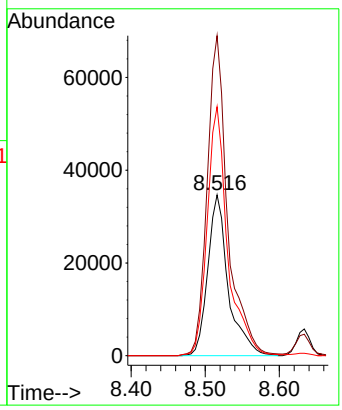


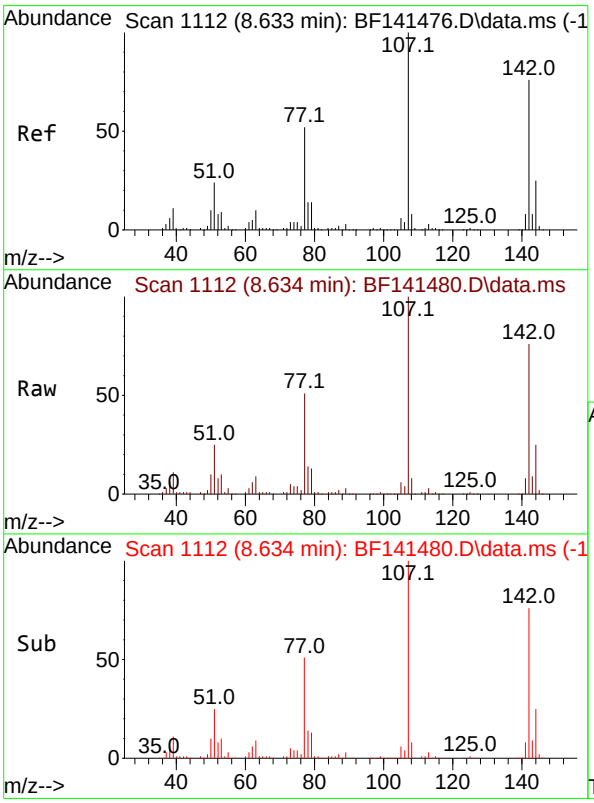
#35
Caprolactam
Concen: 41.104 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:113 Resp: 66599

Ion	Ratio	Lower	Upper
113	100		
55	199.0	180.8	220.8
56	154.8	133.6	173.6

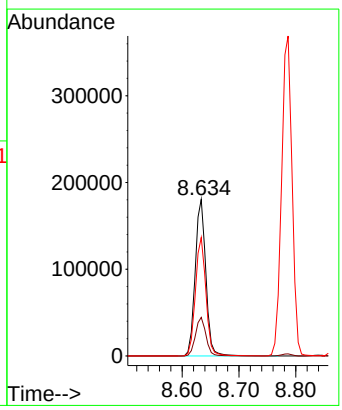


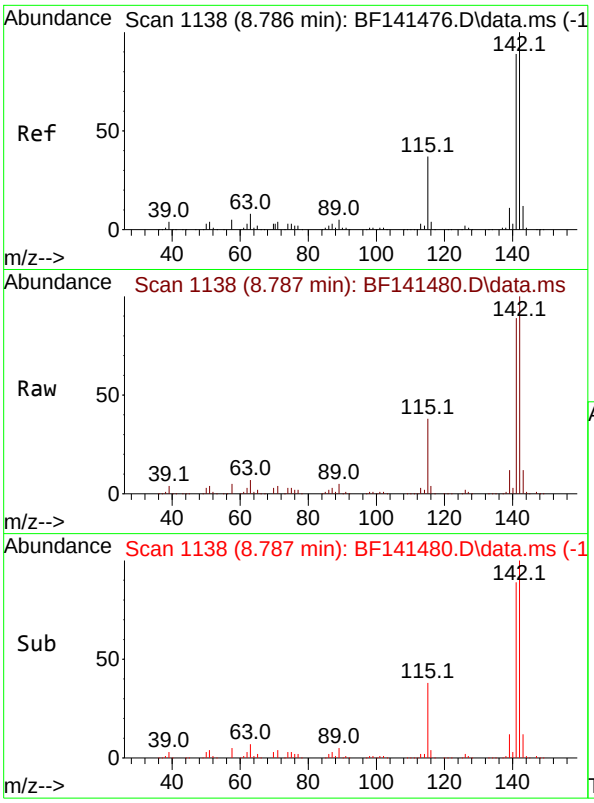


#36
4-Chloro-3-methylphenol
Concen: 40.006 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:107 Resp: 235824

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.7	29.5
142	75.6	60.8	91.2



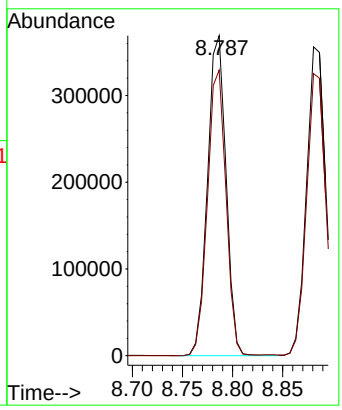


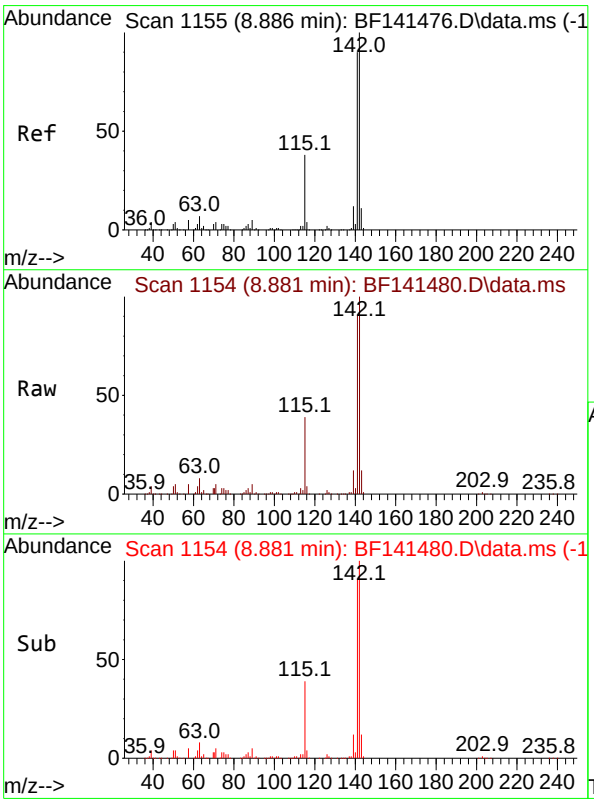
#37
2-Methylnaphthalene
Concen: 38.710 ng
RT: 8.787 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:142 Resp: 475273

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8

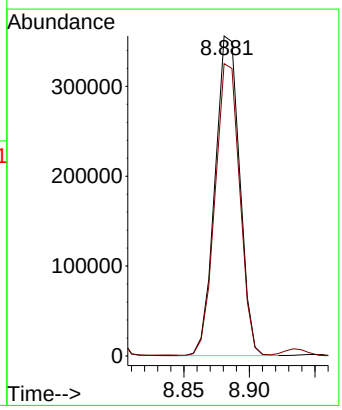


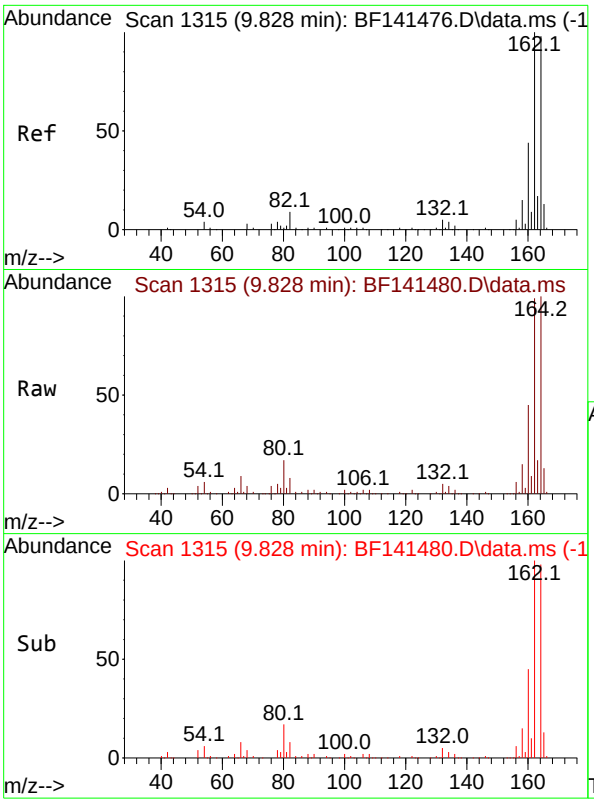


#38
1-Methylnaphthalene
Concen: 39.049 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:142 Resp: 464346

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1



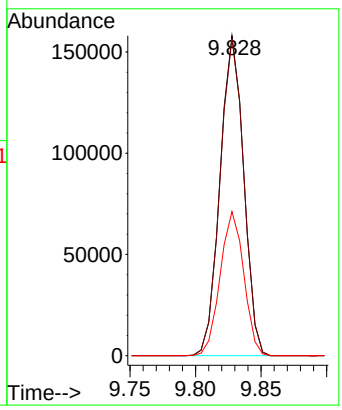


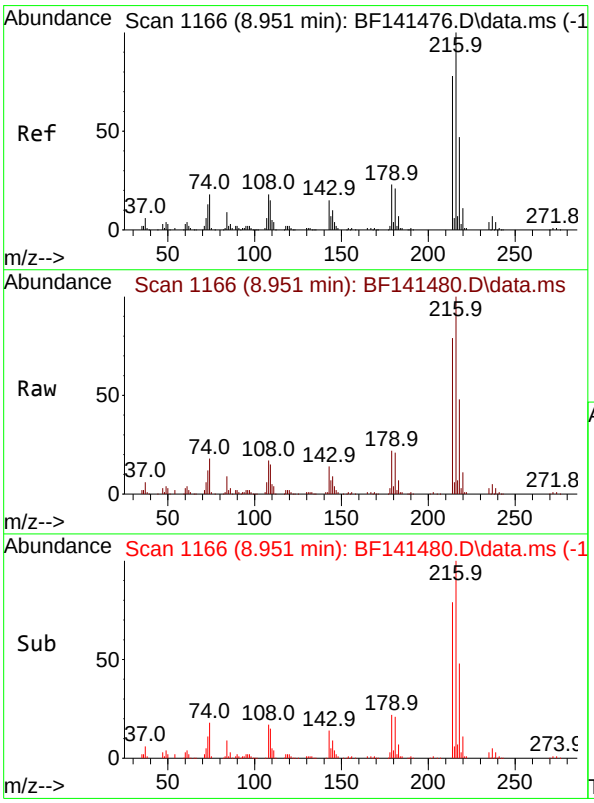
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:164 Resp: 197991

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.3	121.9
160	45.0	35.9	53.9

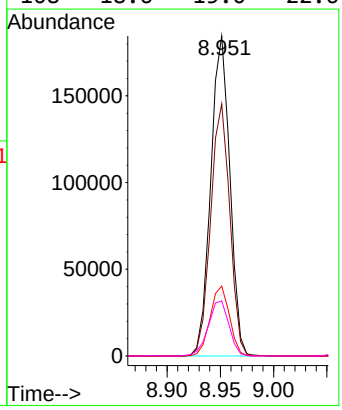


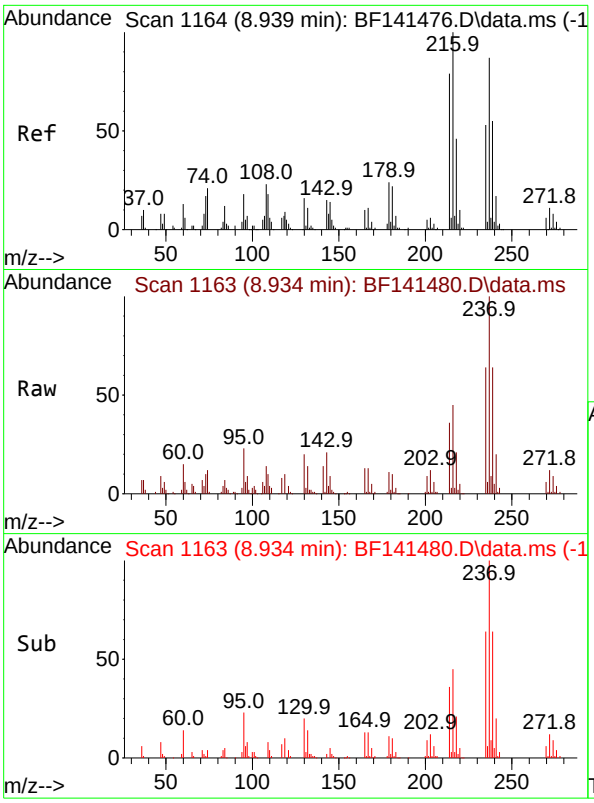


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.182 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:216 Resp: 230166

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.3	93.5
179	22.1	18.0	27.0
108	18.6	15.0	22.6



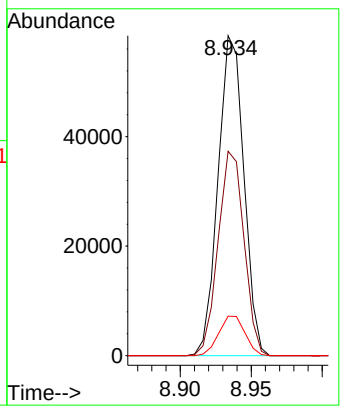


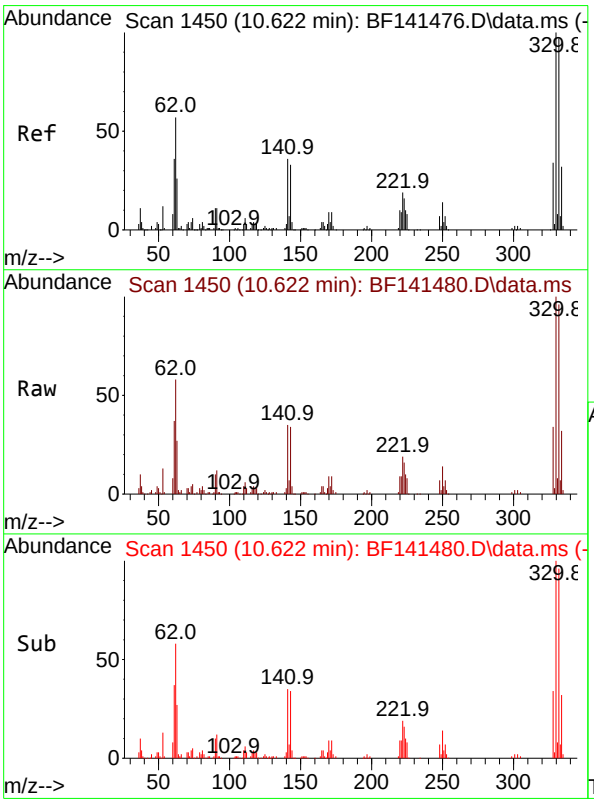
#41
Hexachlorocyclopentadiene
Concen: 38.754 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:237 Resp: 73834

Ion	Ratio	Lower	Upper
237	100		
235	63.9	41.4	81.4
272	12.4	0.0	32.4

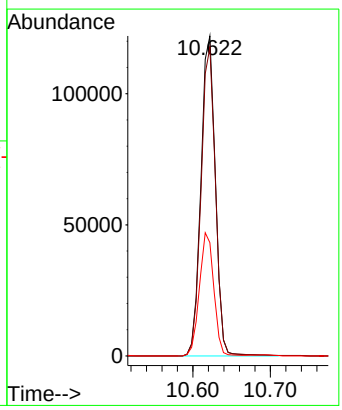


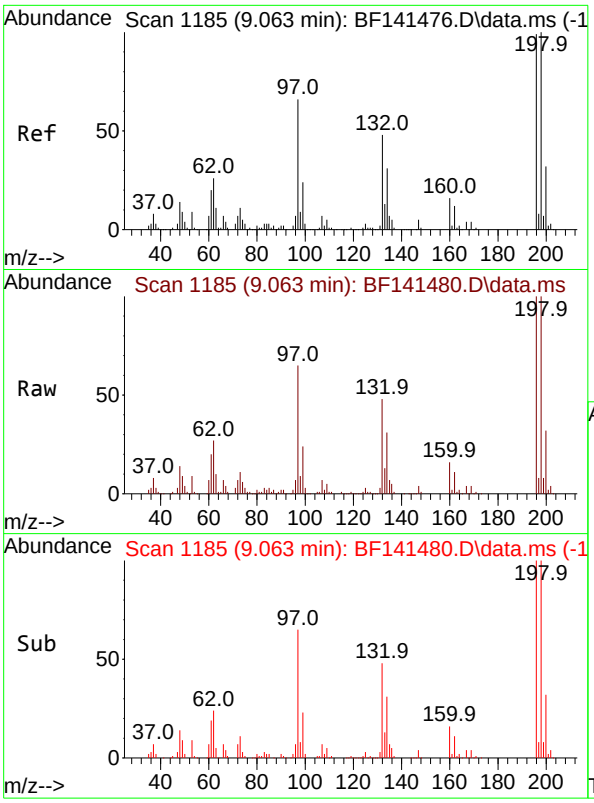


#42
2,4,6-Tribromophenol
Concen: 79.490 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:330 Resp: 158098

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.5	117.7
141	38.4	31.0	46.4



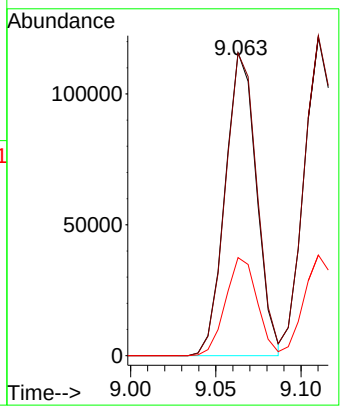


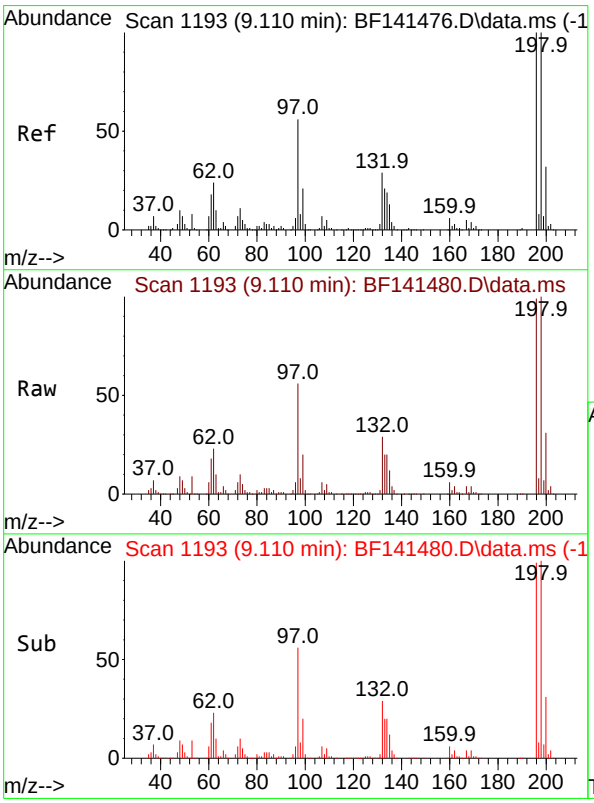
#43
2,4,6-Trichlorophenol
Concen: 39.914 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:196 Resp: 147770

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.6	121.0
200	32.3	25.5	38.3

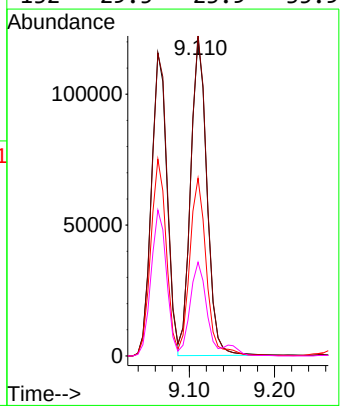


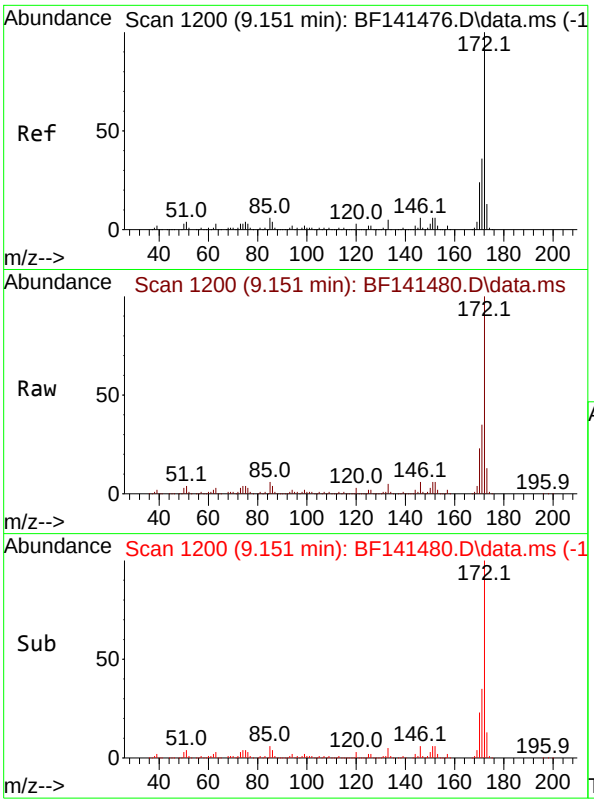


#44
2,4,5-Trichlorophenol
Concen: 40.108 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:196 Resp: 160926

Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.8	119.8
97	55.8	44.8	67.2
132	29.5	23.9	35.9



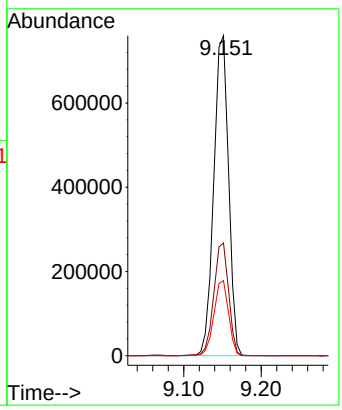


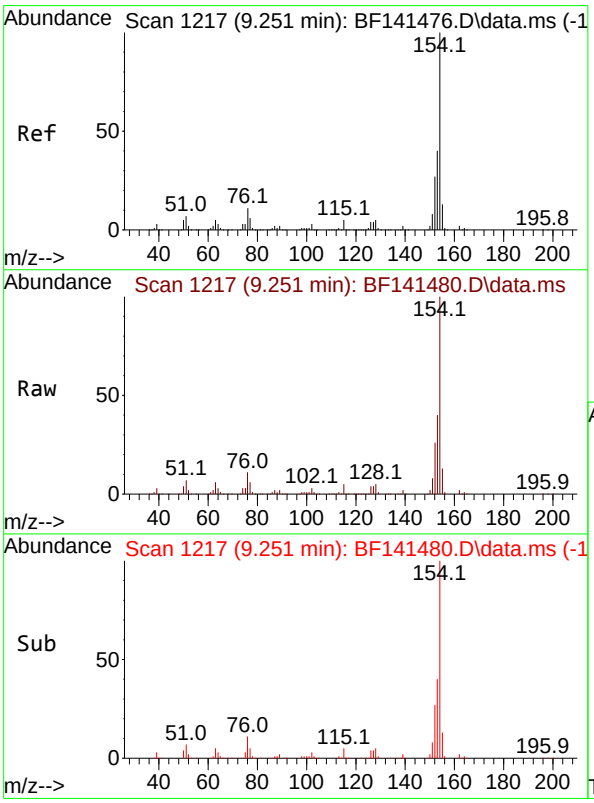
#45
2-Fluorobiphenyl
Concen: 78.786 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:172 Resp: 1012492

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.4	18.9	28.3

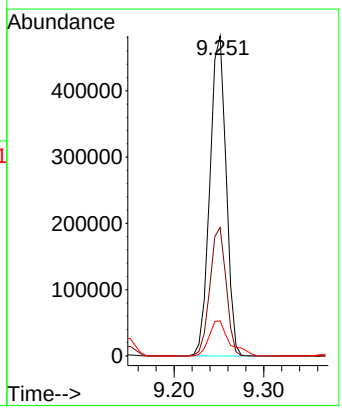


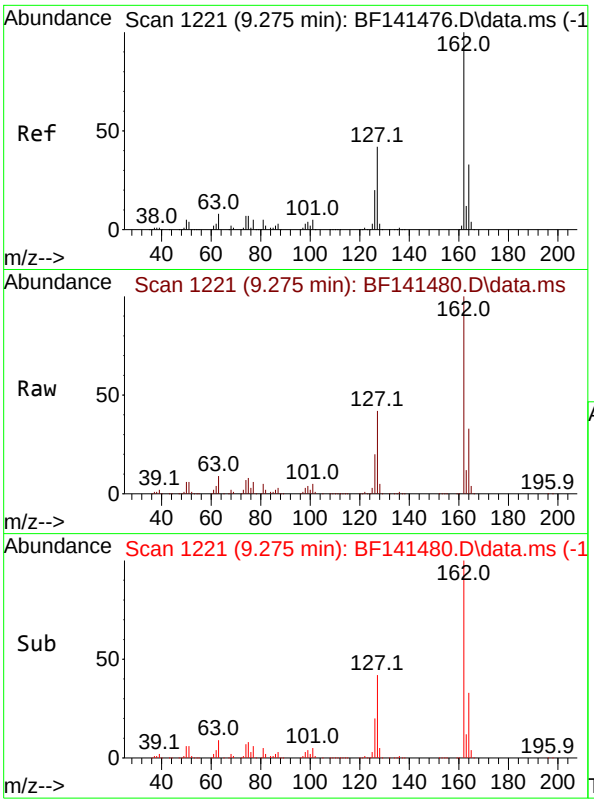


#46
1,1'-Biphenyl
Concen: 39.519 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:154 Resp: 606611

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.4	60.4
76	10.9	0.0	30.8



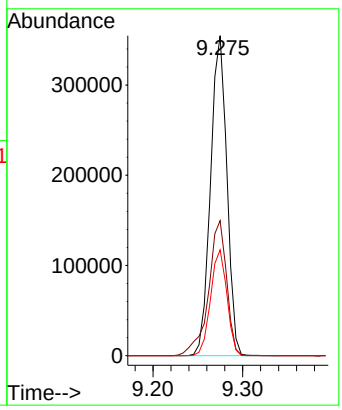


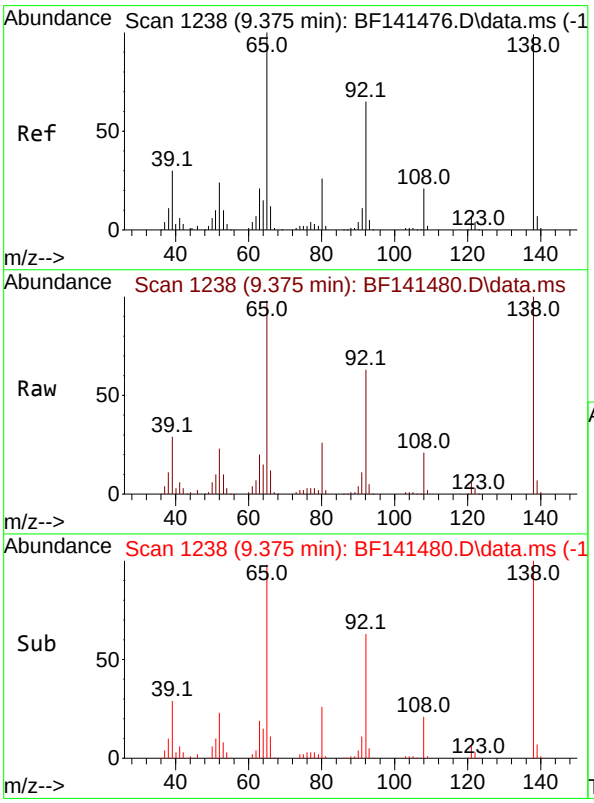
#47
2-Chloronaphthalene
Concen: 39.453 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:162 Resp: 447817

Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.1	51.1
164	33.1	26.3	39.5

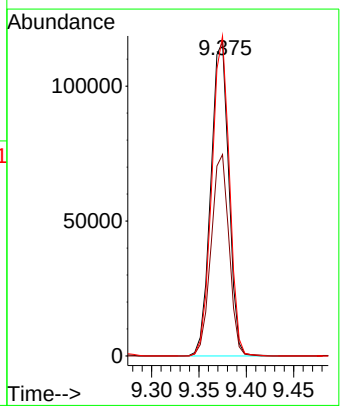


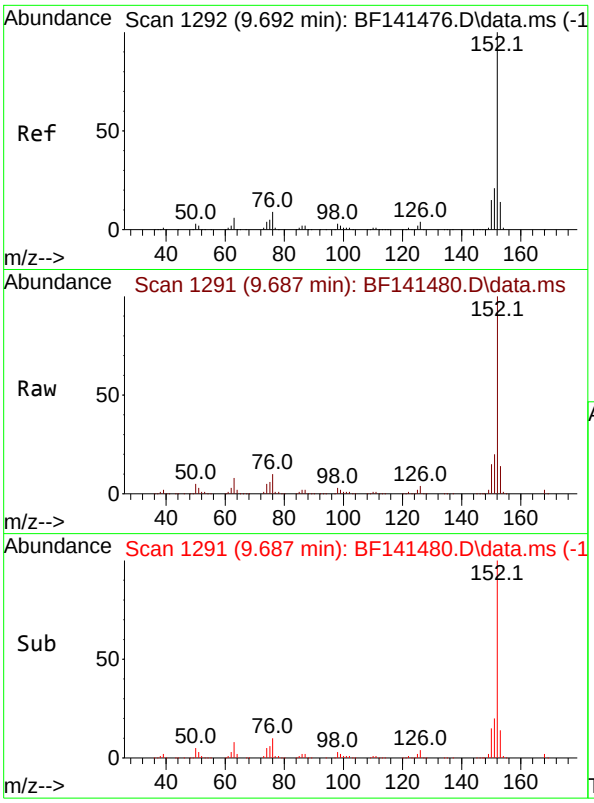


#48
2-Nitroaniline
Concen: 40.451 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 65 Resp: 154092

Ion	Ratio	Lower	Upper
65	100		
92	64.2	52.2	78.2
138	101.9	79.5	119.3



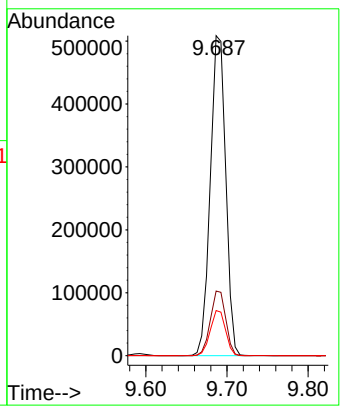


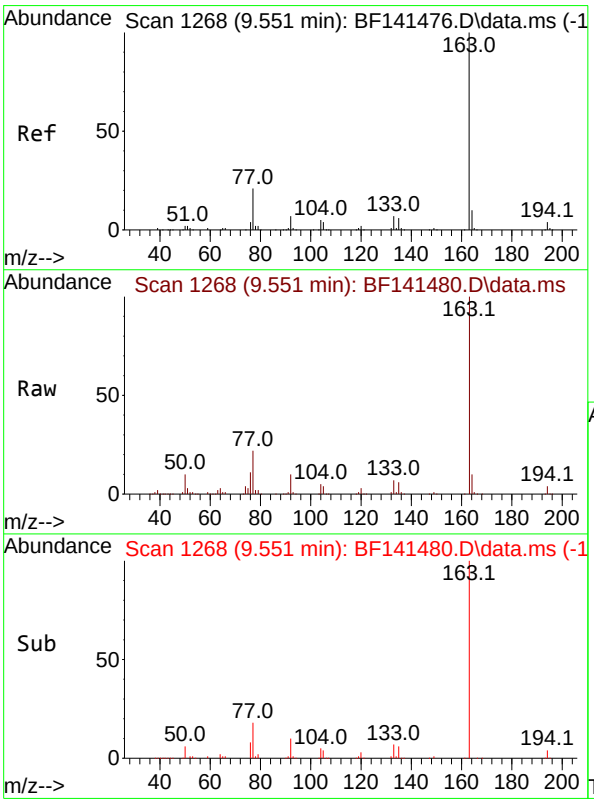
#49
Acenaphthylene
Concen: 39.734 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:152 Resp: 670833

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	14.1	10.9	16.3

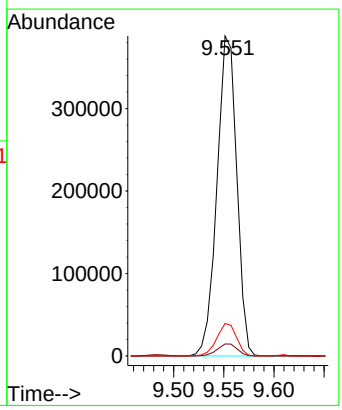


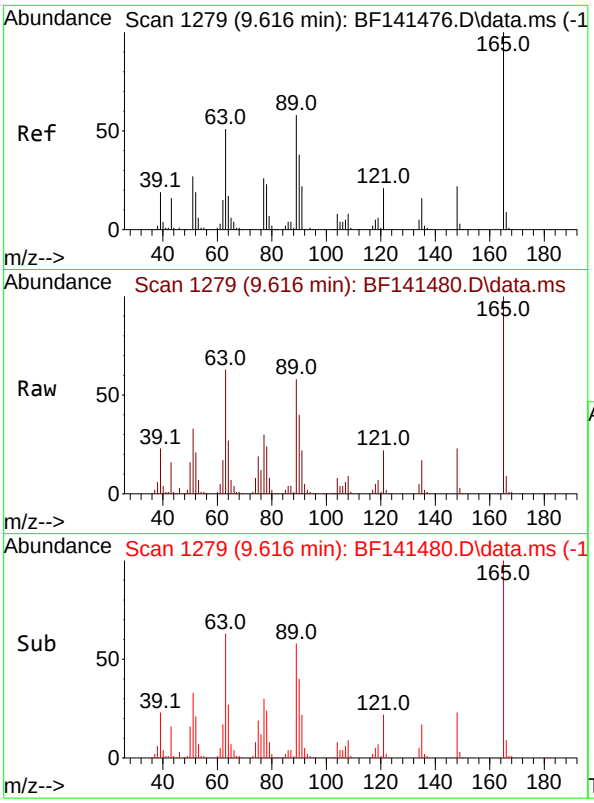


#50
Dimethylphthalate
Concen: 39.488 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:163 Resp: 530769

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.2	7.9	11.9



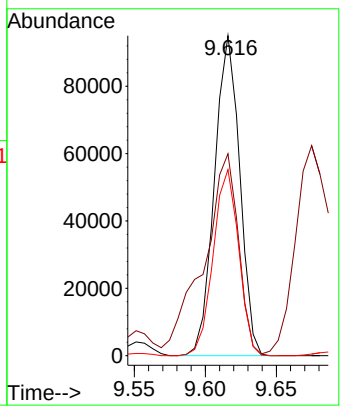


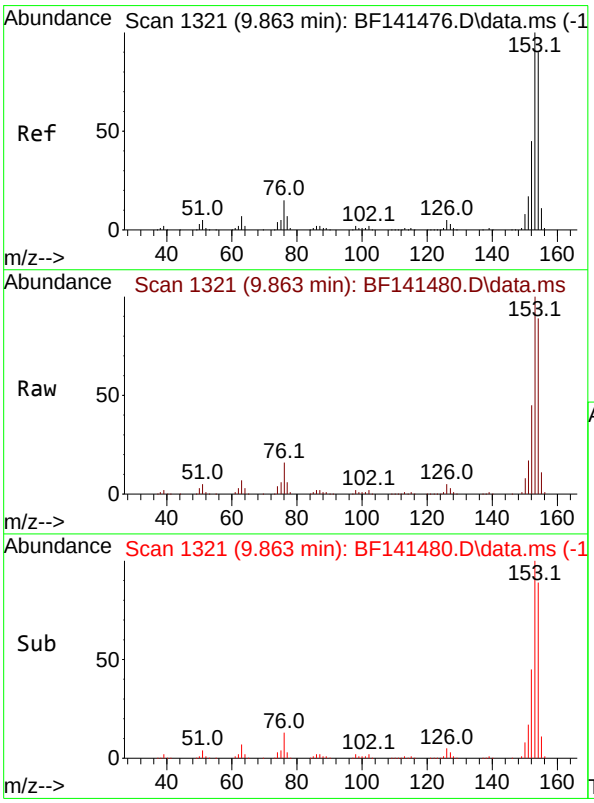
#51
2,6-Dinitrotoluene
Concen: 39.965 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:165 Resp: 117431

Ion	Ratio	Lower	Upper
165	100		
63	63.1	49.4	74.0
89	58.2	46.5	69.7

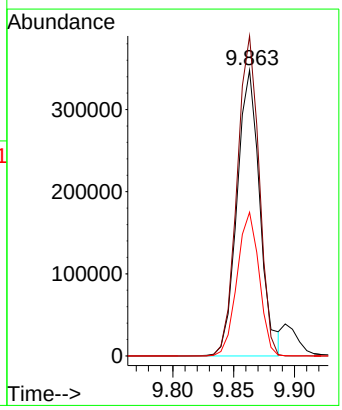


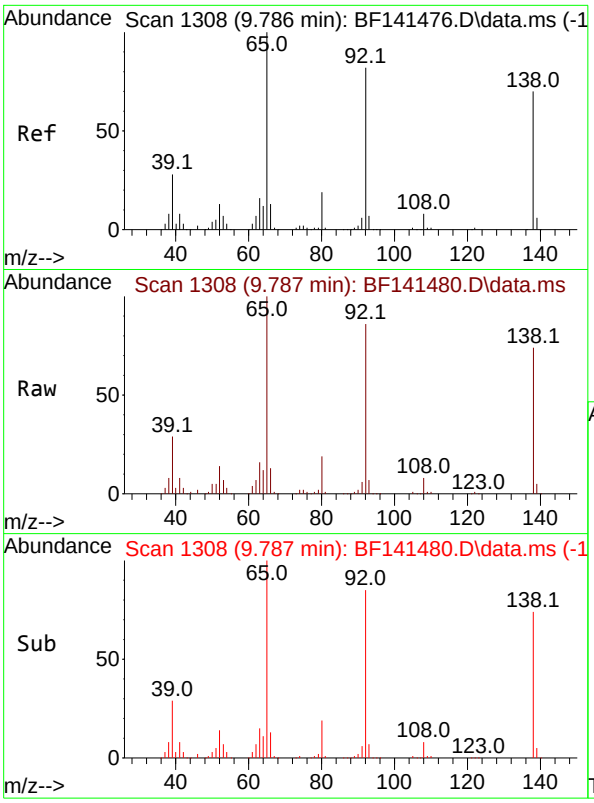


#52
Acenaphthene
Concen: 39.893 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:154 Resp: 452794

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.2	133.8
152	50.2	39.8	59.8



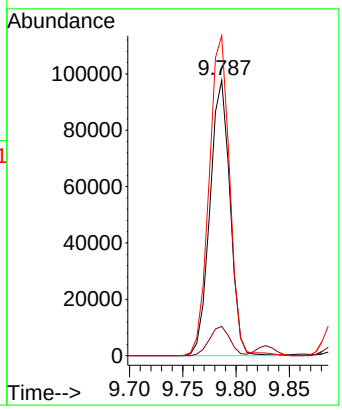


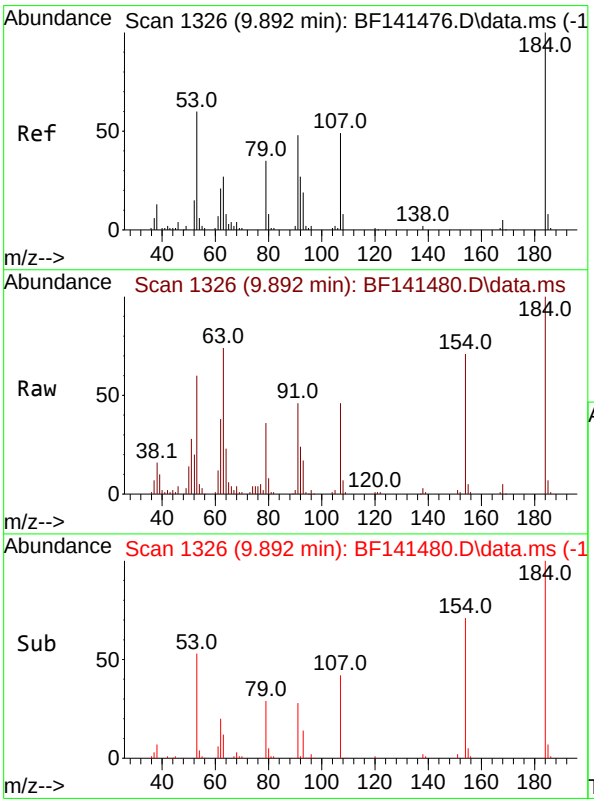
#53
3-Nitroaniline
Concen: 40.463 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:138 Resp: 127965

Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.0	13.4
92	116.2	93.7	140.5

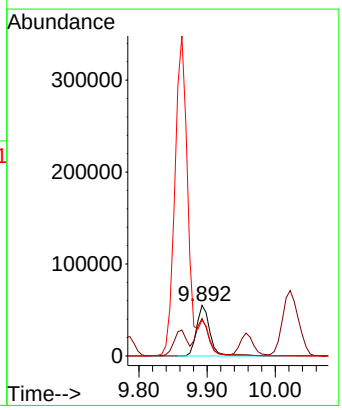


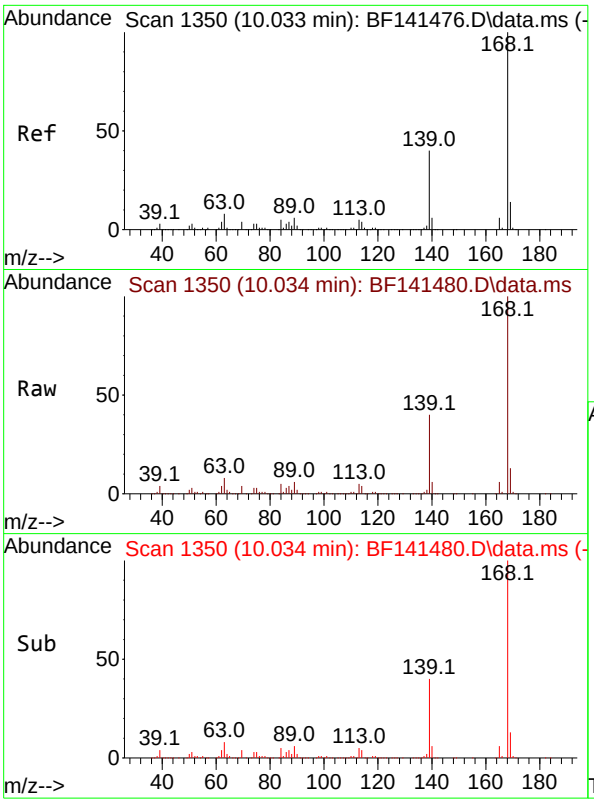


#54
2,4-Dinitrophenol
Concen: 42.639 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:184 Resp: 74461

Ion	Ratio	Lower	Upper
184	100		
63	74.2	61.0	91.6
154	71.0	59.9	89.9



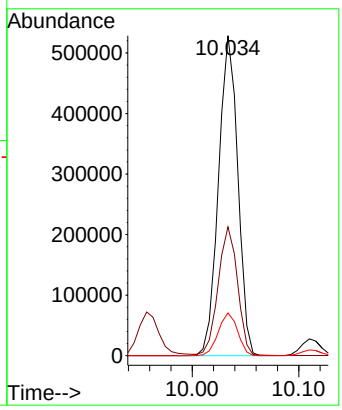


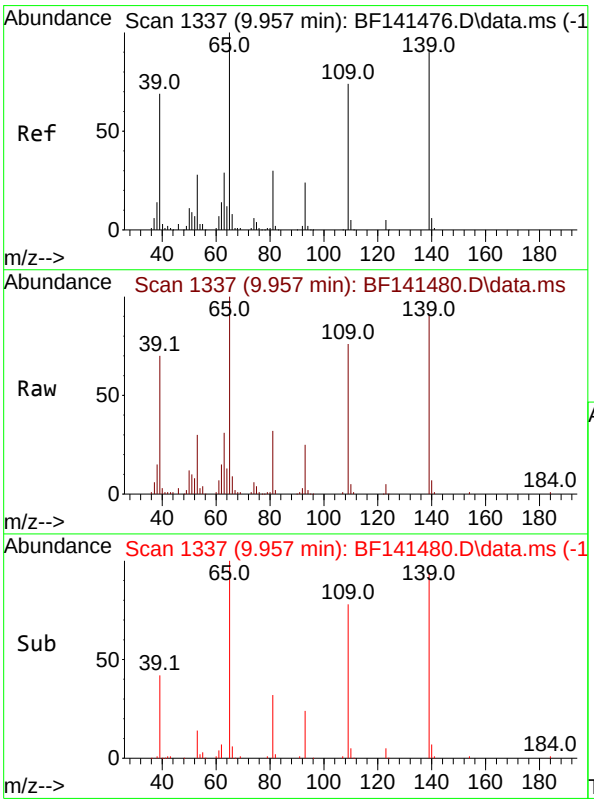
#55
Dibenzofuran
Concen: 39.860 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:168 Resp: 664069

Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.7	49.1
169	13.4	10.8	16.2

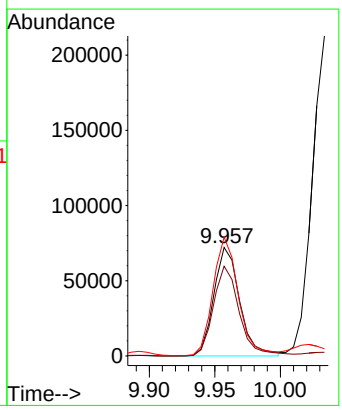


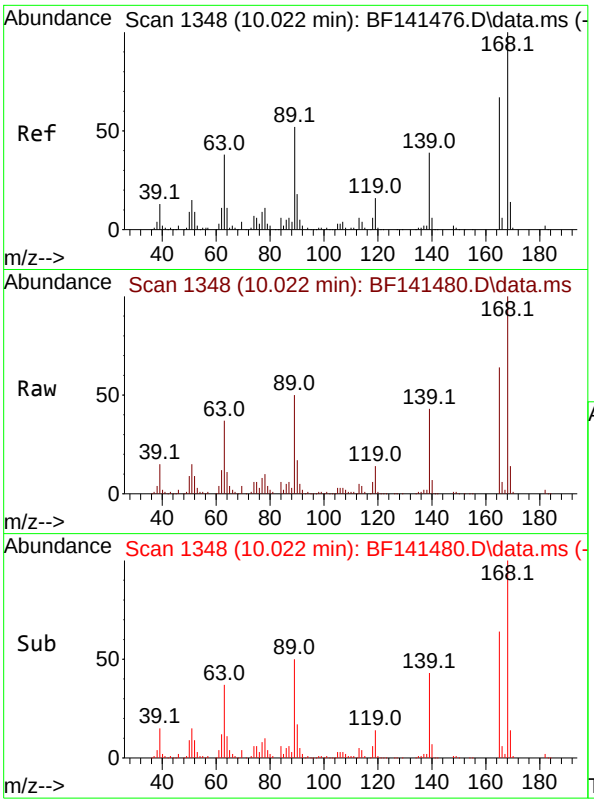


#56
4-Nitrophenol
Concen: 42.166 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:139 Resp: 98990

Ion	Ratio	Lower	Upper
139	100		
109	82.7	62.0	102.0
65	109.5	91.2	131.2



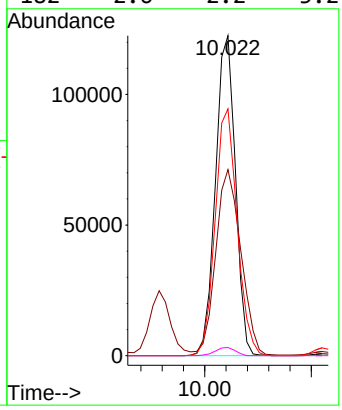


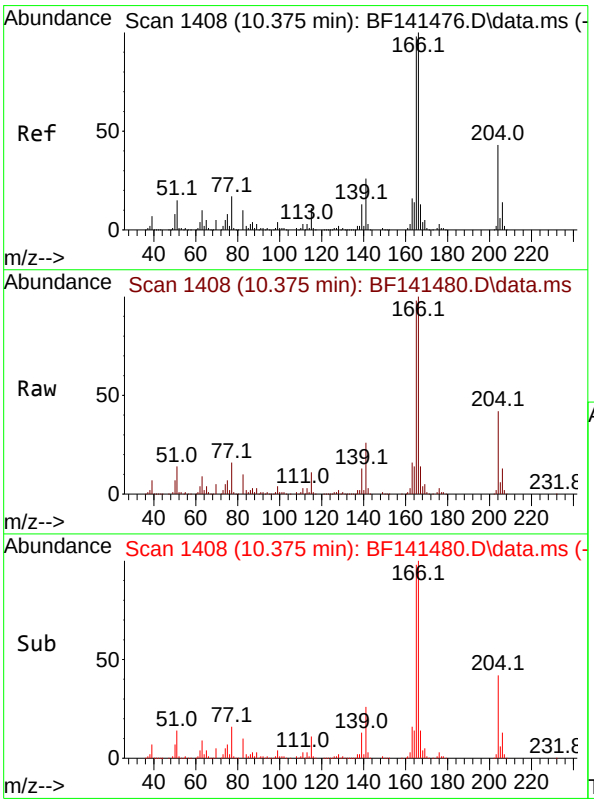
#57
2,4-Dinitrotoluene
Concen: 40.633 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:165 Resp: 158941

Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.4	69.6
89	77.2	61.8	92.6
182	2.6	2.2	3.2

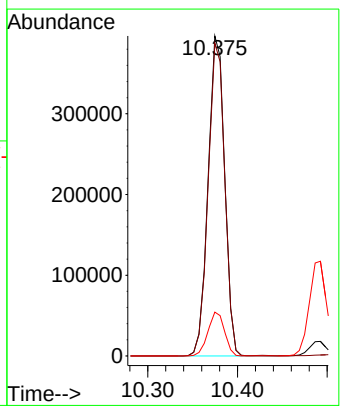


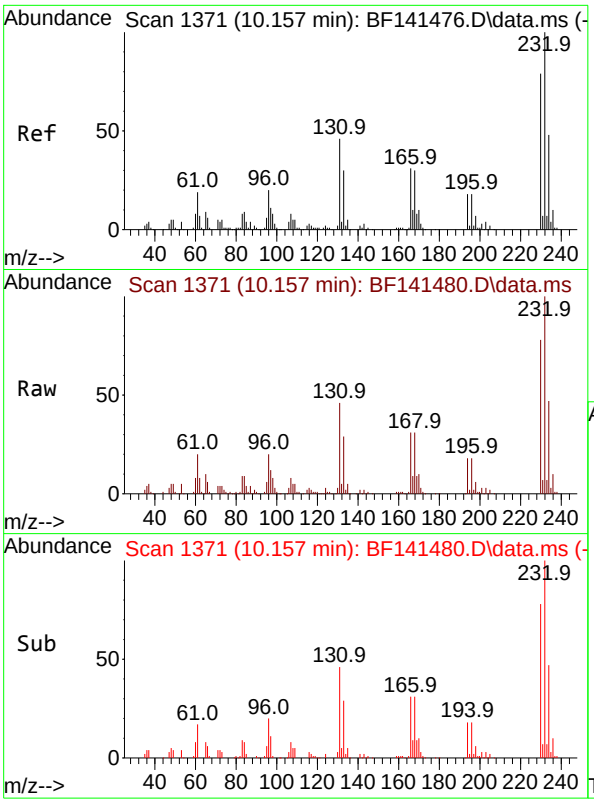


#58
Fluorene
Concen: 39.501 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:166 Resp: 508833

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.2
167	13.7	10.7	16.1



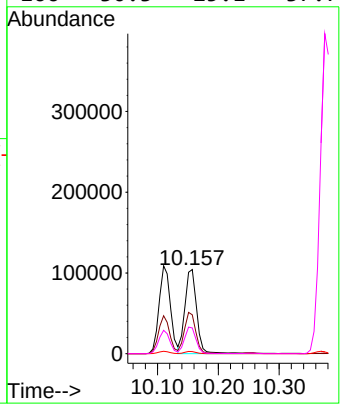


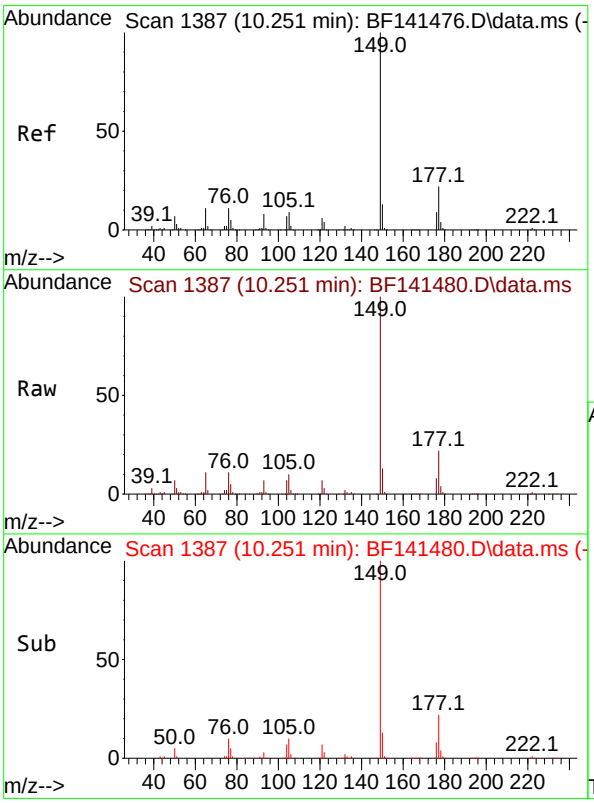
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.438 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:232 Resp: 139688

Ion	Ratio	Lower	Upper
232	100		
131	46.8	39.2	58.8
130	2.6	2.1	3.1
166	30.3	25.1	37.7

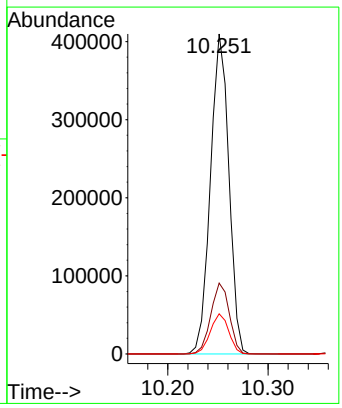


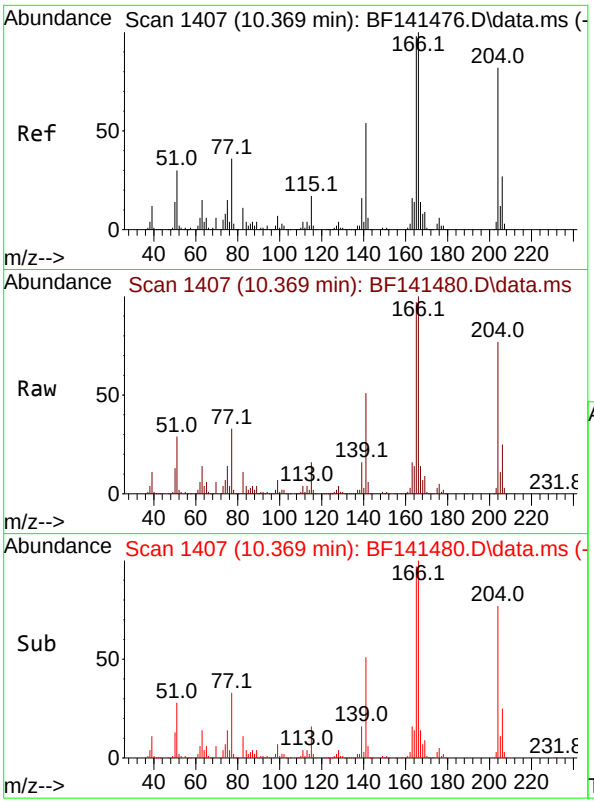


#60
Diethylphthalate
Concen: 39.467 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 521933

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.6	10.1	15.1



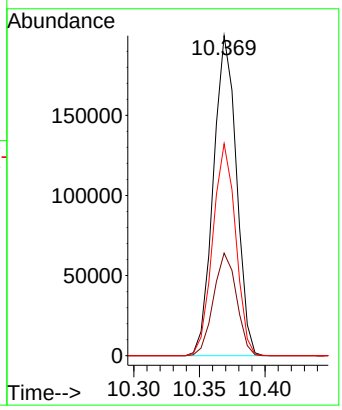


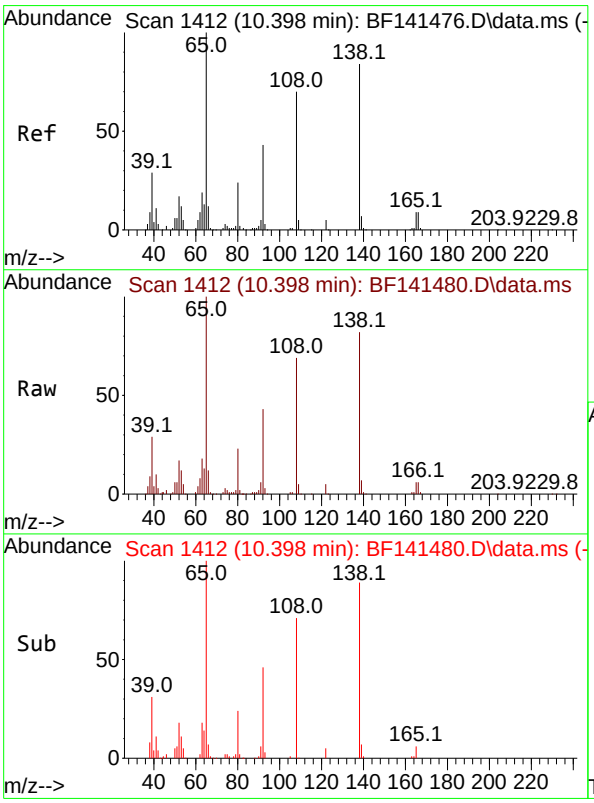
#61
4-Chlorophenyl-phenylether
Concen: 39.318 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:204 Resp: 243659

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.6	40.0
141	66.2	51.9	77.9

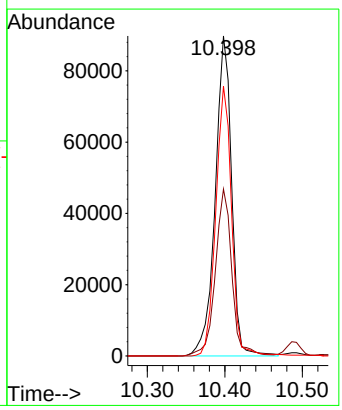


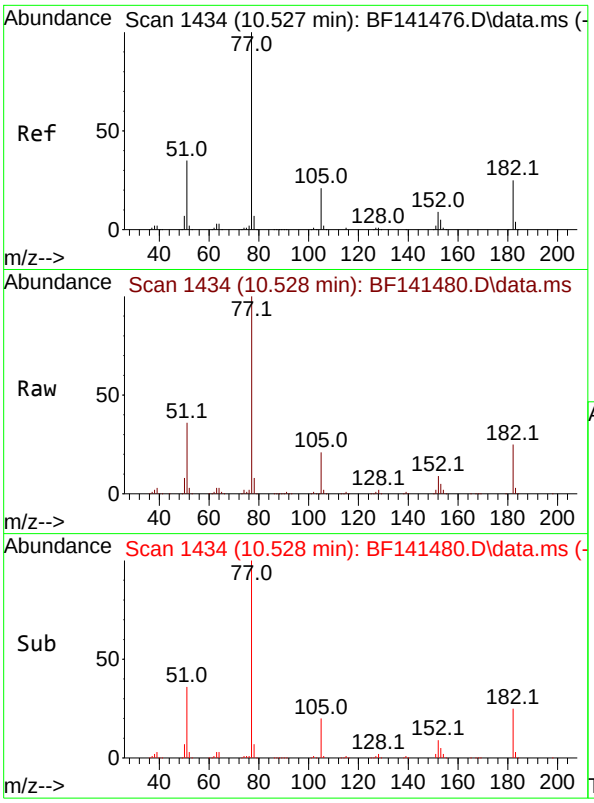


#62
4-Nitroaniline
Concen: 41.124 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:138 Resp: 132059

Ion	Ratio	Lower	Upper
138	100		
92	52.1	31.3	71.3
108	84.3	63.7	103.7



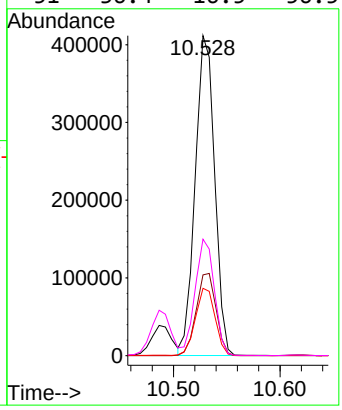


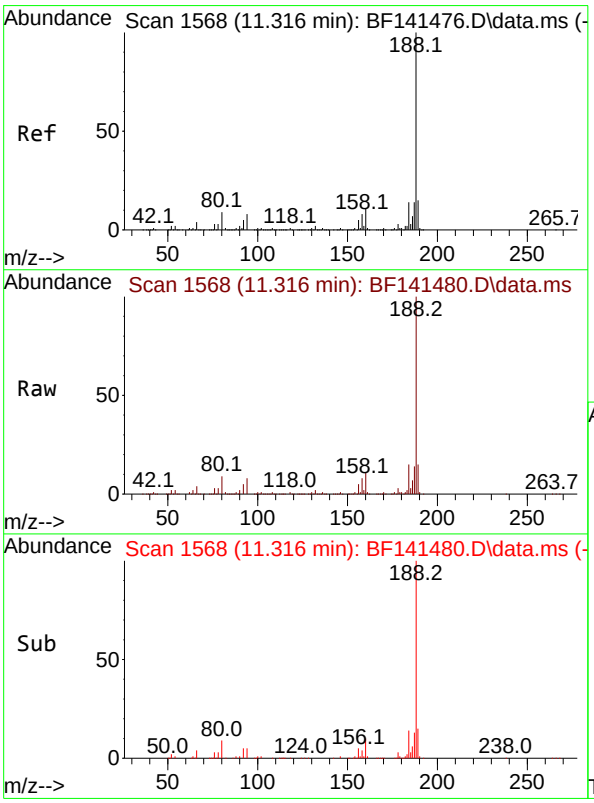
#63
Azobenzene
Concen: 39.759 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 77 Resp: 522705

Ion	Ratio	Lower	Upper
77	100		
182	25.2	4.7	44.7
105	21.0	0.4	40.4
51	36.4	16.5	56.5

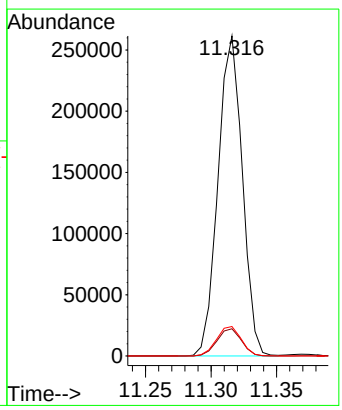


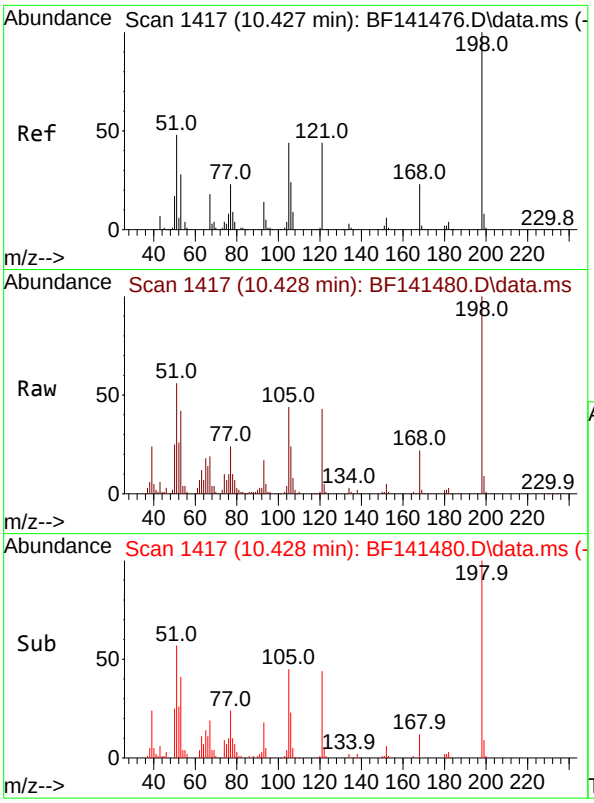


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:188 Resp: 337289

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.2	7.3	10.9



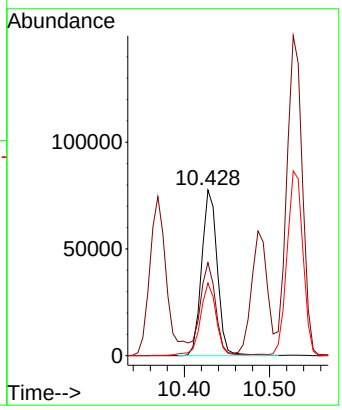


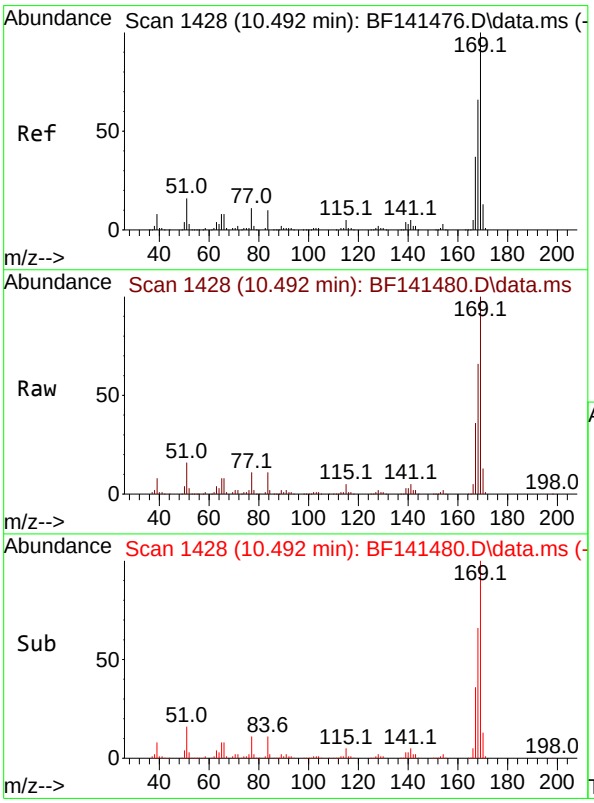
#65
4,6-Dinitro-2-methylphenol
Concen: 42.230 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:198 Resp: 98944

Ion	Ratio	Lower	Upper
198	100		
51	56.2	37.4	77.4
105	43.9	25.2	65.2

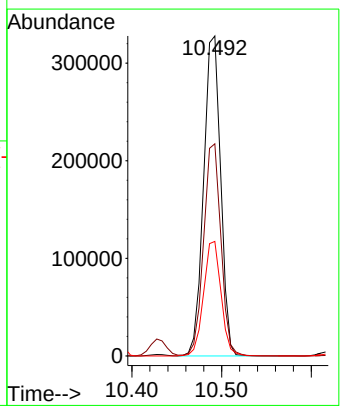


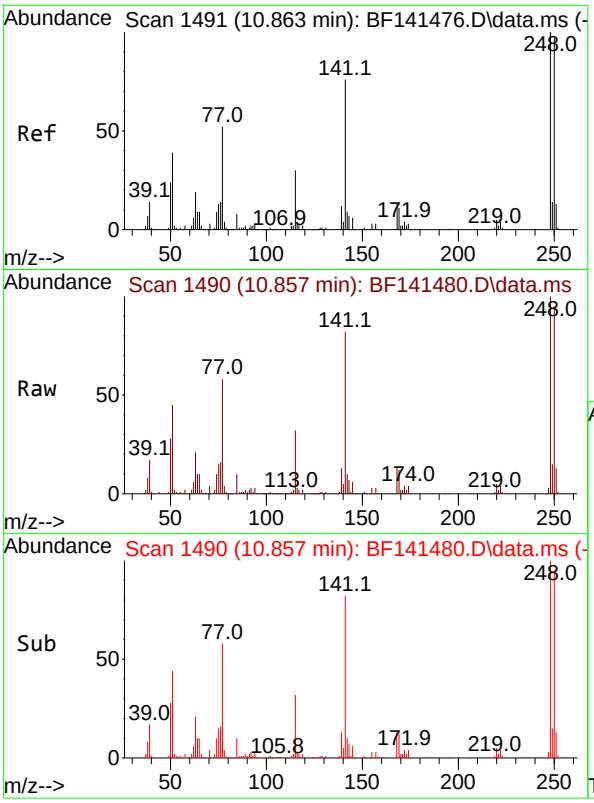


#66
n-Nitrosodiphenylamine
Concen: 40.040 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:169 Resp: 432307

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.3	79.9
167	35.8	29.4	44.2



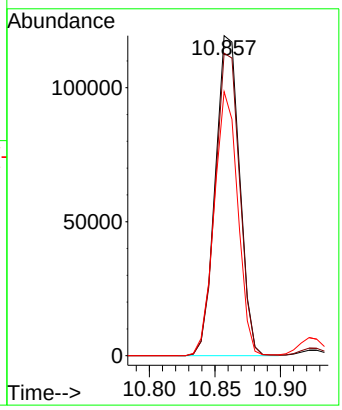


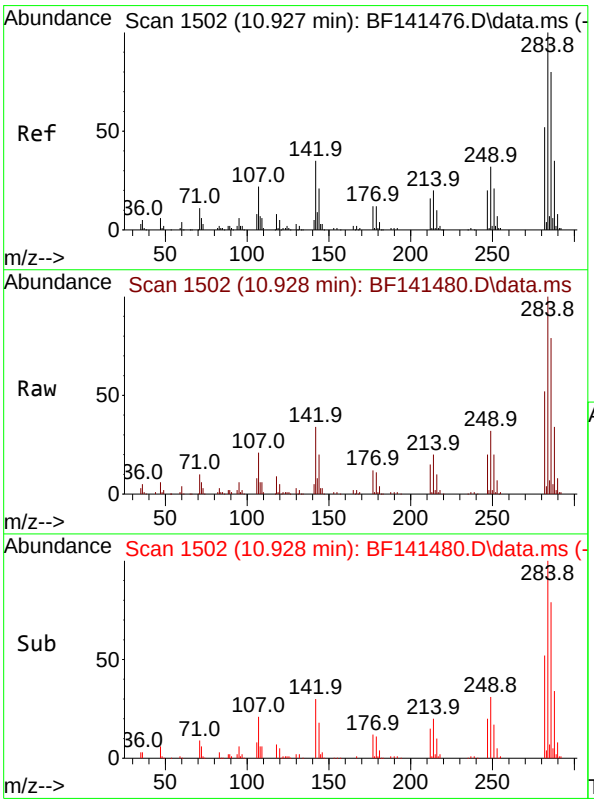
#67
4-Bromophenyl-phenylether
Concen: 40.864 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:248 Resp: 154044

Ion	Ratio	Lower	Upper
248	100		
250	94.5	77.8	116.6
141	82.5	60.6	90.8

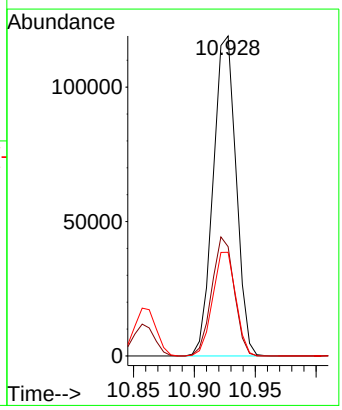


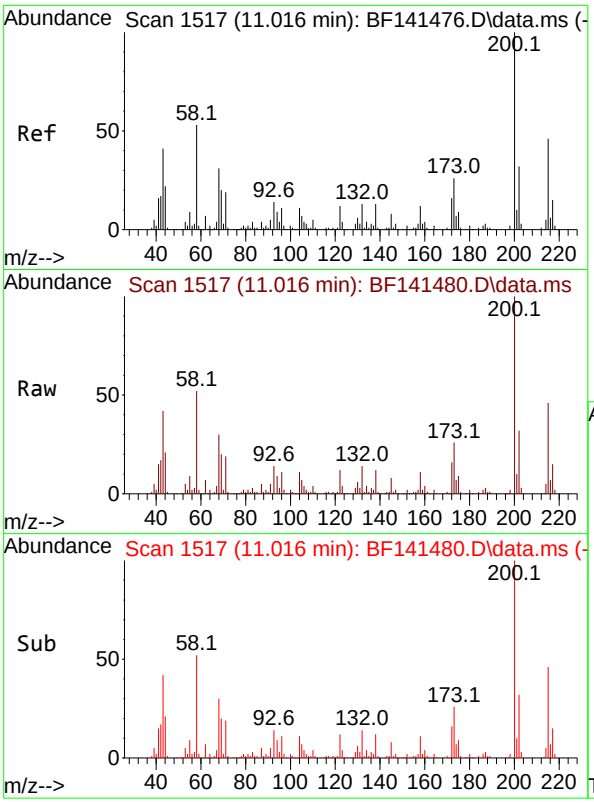


#68
Hexachlorobenzene
Concen: 40.208 ng
RT: 10.928 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:284 Resp: 156075

Ion	Ratio	Lower	Upper
284	100		
142	34.2	28.0	42.0
249	32.4	25.8	38.8



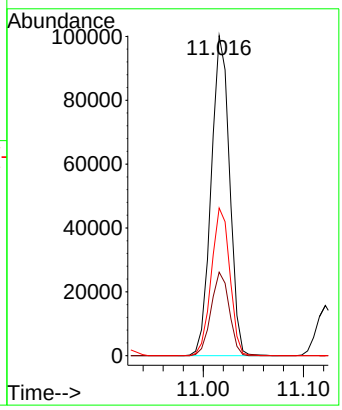


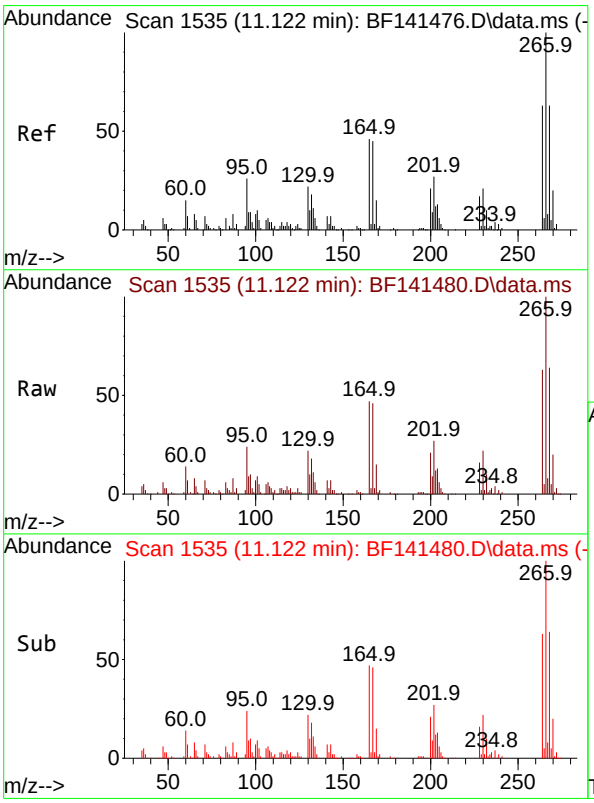
#69
Atrazine
Concen: 39.358 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:200 Resp: 127486

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.9	45.9
215	46.2	25.9	65.9

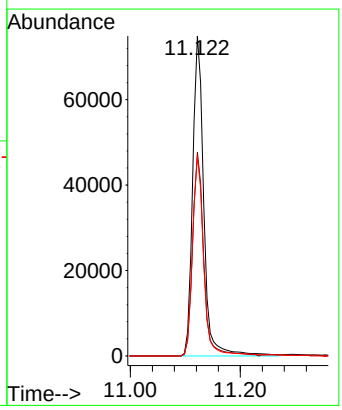


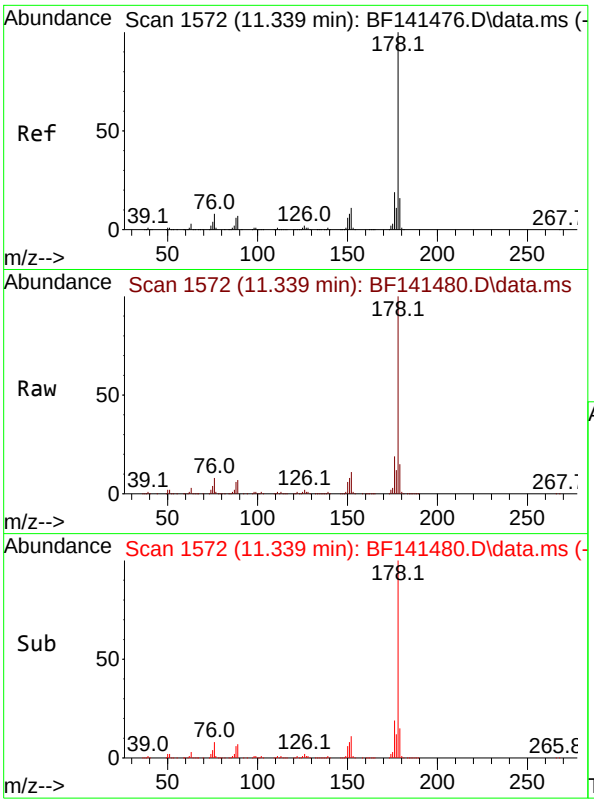


#70
Pentachlorophenol
Concen: 42.476 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:266 Resp: 105427

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.1	75.1
264	62.5	50.1	75.1



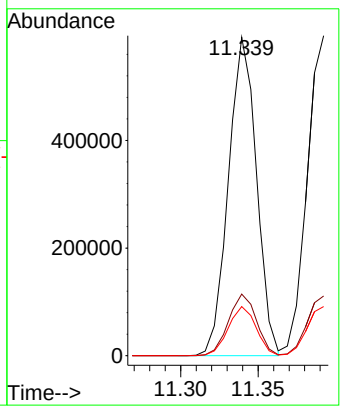


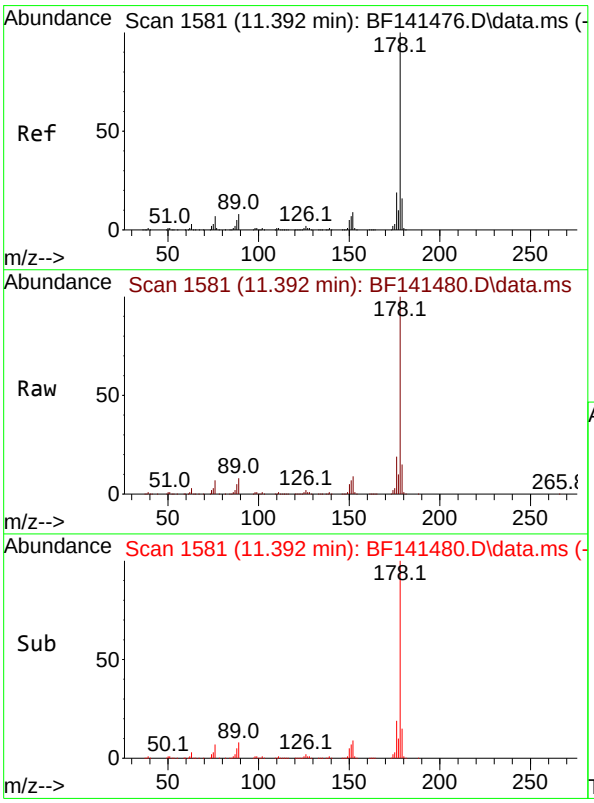
#71
Phenanthrene
Concen: 40.114 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:178 Resp: 744761

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.4	12.4	18.6

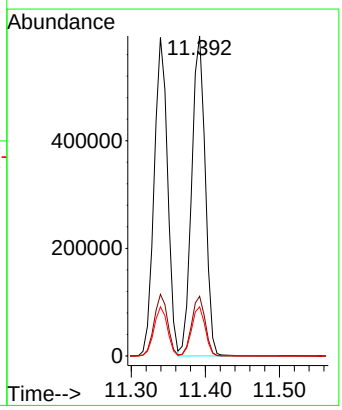


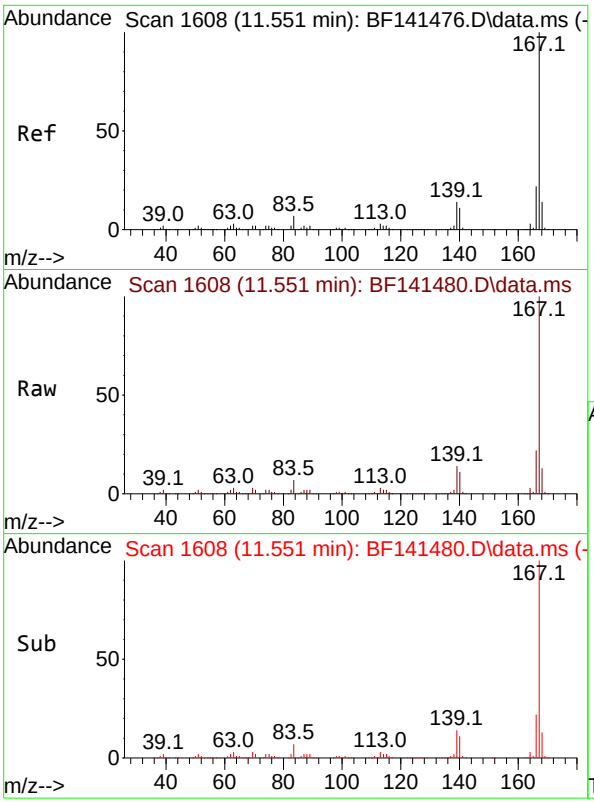


#72
Anthracene
Concen: 40.362 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:178 Resp: 753295

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.3	12.4	18.6



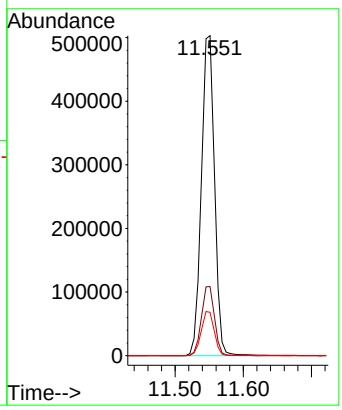


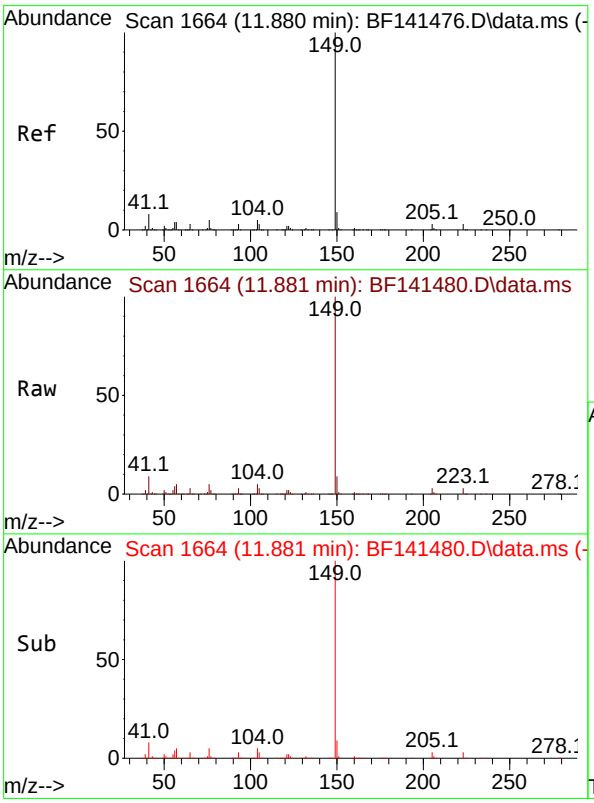
#73
Carbazole
Concen: 40.267 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:167 Resp: 676218

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.6	10.9	16.3

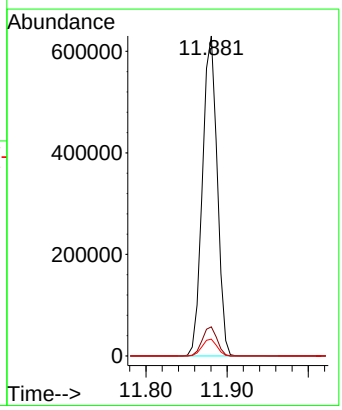


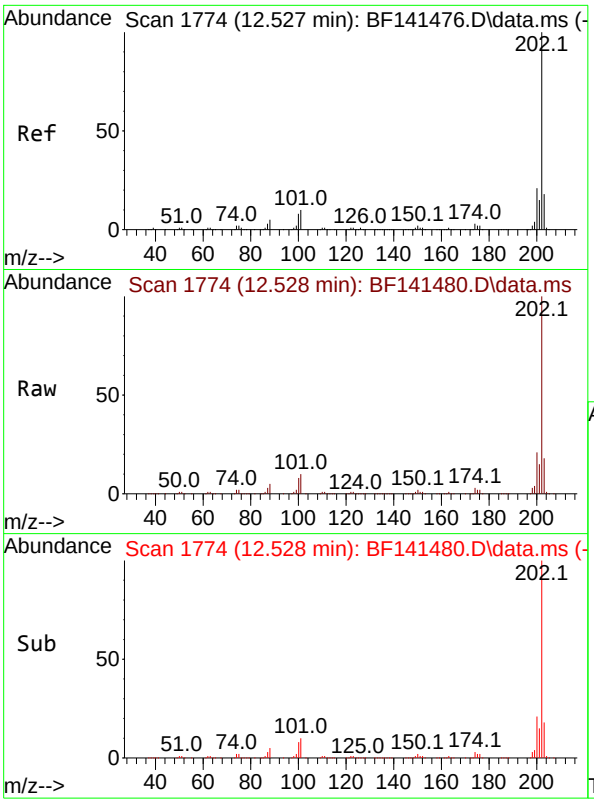


#74
Di-n-butylphthalate
Concen: 40.953 ng
RT: 11.881 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 794101

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2



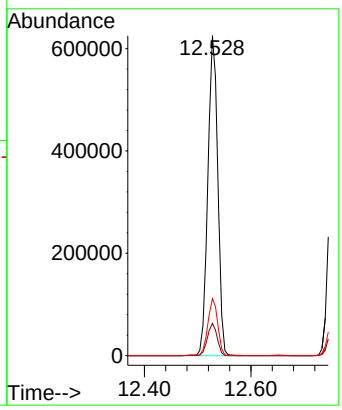


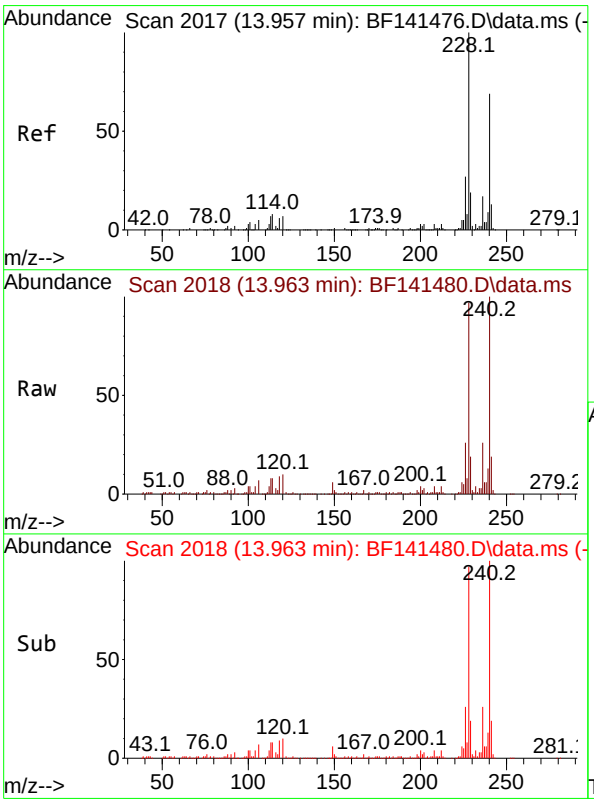
#75
Fluoranthene
Concen: 41.011 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:202 Resp: 807256

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.8	0.0	37.6

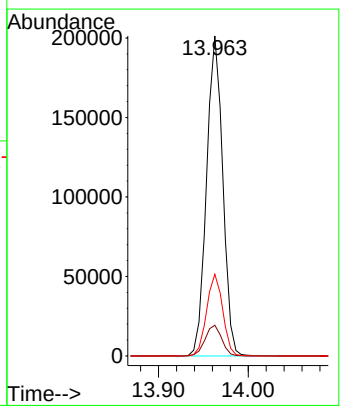


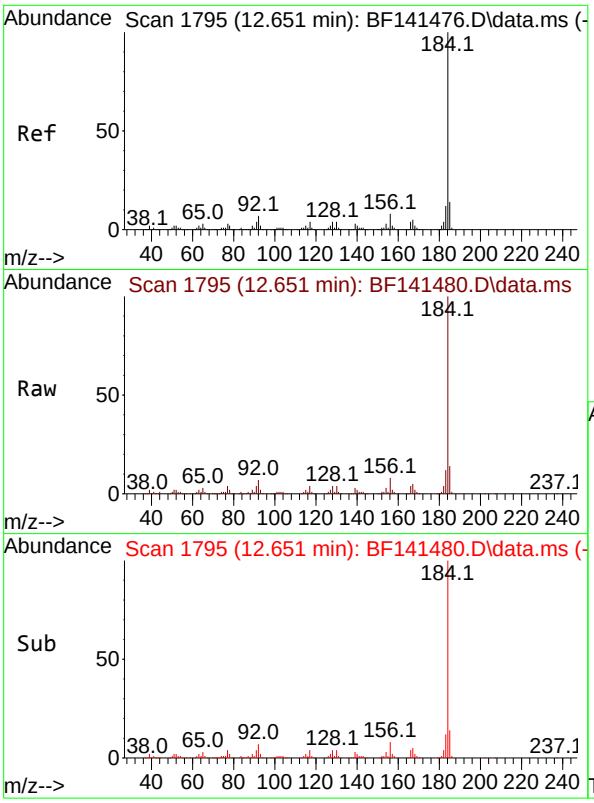


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:240 Resp: 252530

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	25.6	19.8	29.8



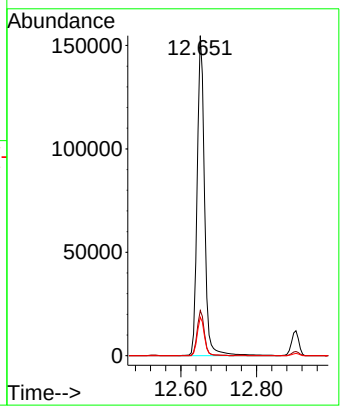


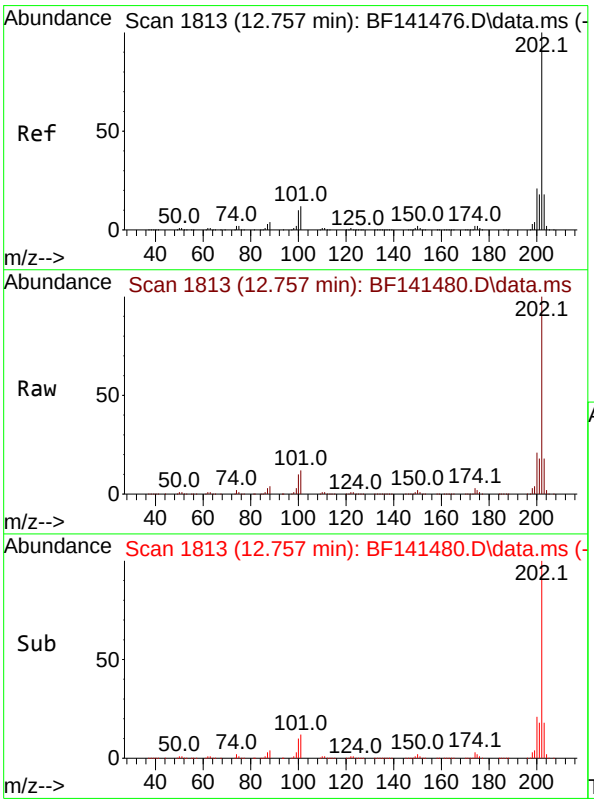
#77
Benzidine
Concen: 38.017 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:184 Resp: 211734

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	12.0	9.3	13.9

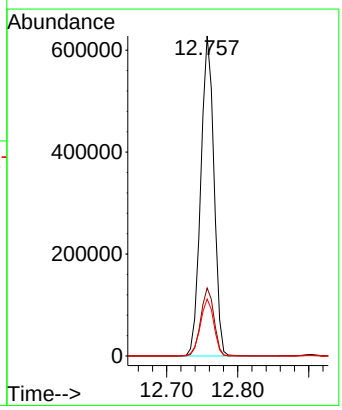


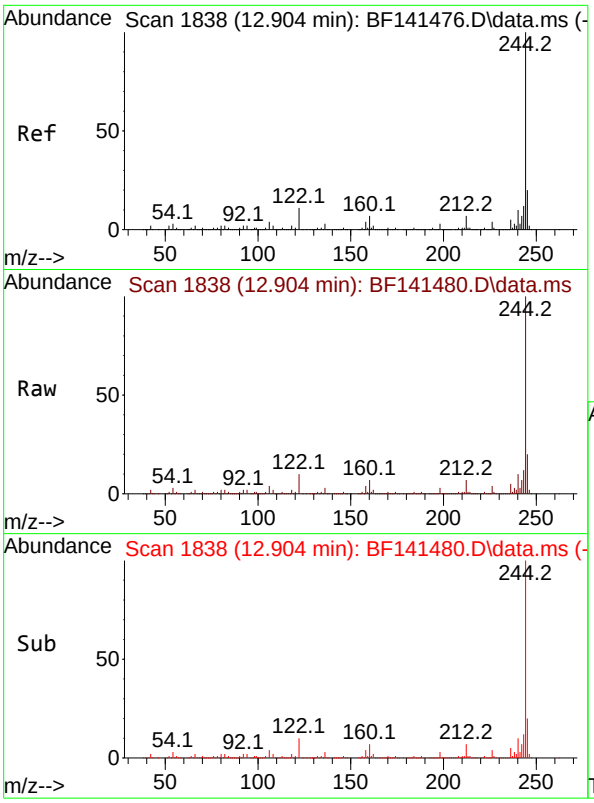


#78
Pyrene
Concen: 37.784 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:202 Resp: 812250

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.8	14.3	21.5



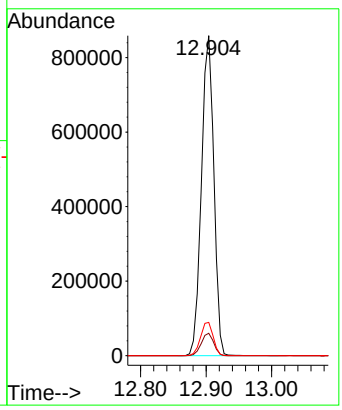


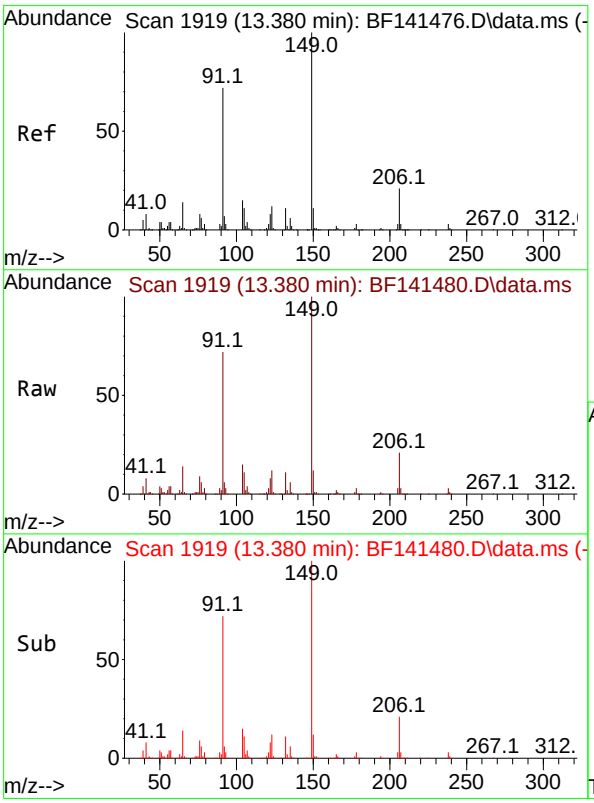
#79
Terphenyl-d14
Concen: 75.750 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:244 Resp: 1133126

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.4	8.4	12.6

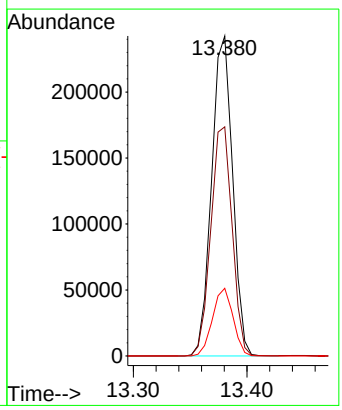


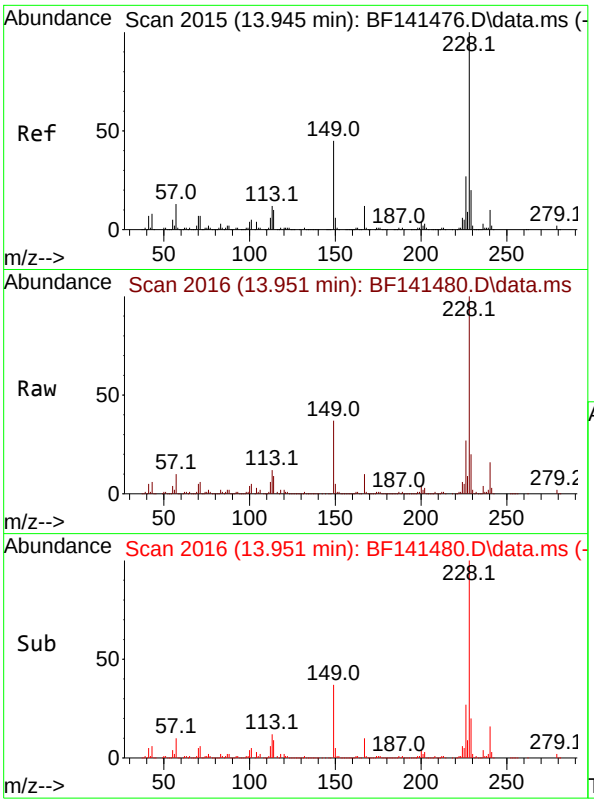


#80
Butylbenzylphthalate
Concen: 41.781 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 311103

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.8	86.8
206	21.2	16.7	25.1



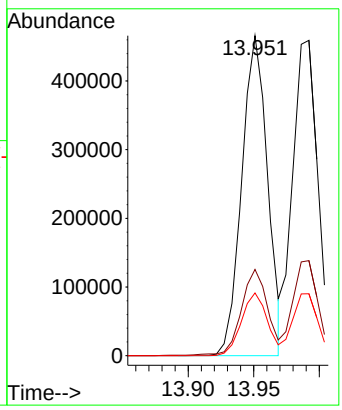


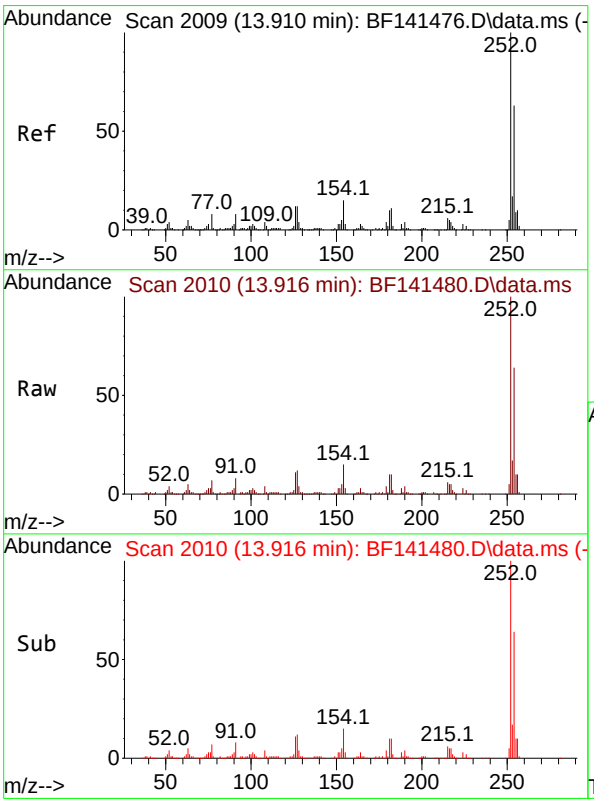
#81
Benzo(a)anthracene
Concen: 38.009 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:228 Resp: 638036

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.6	15.8	23.6

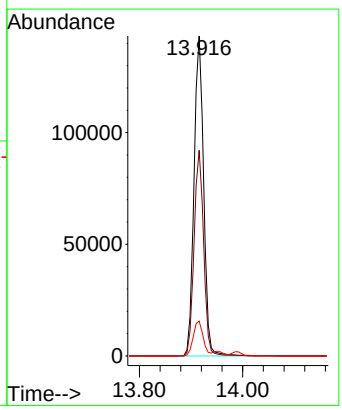


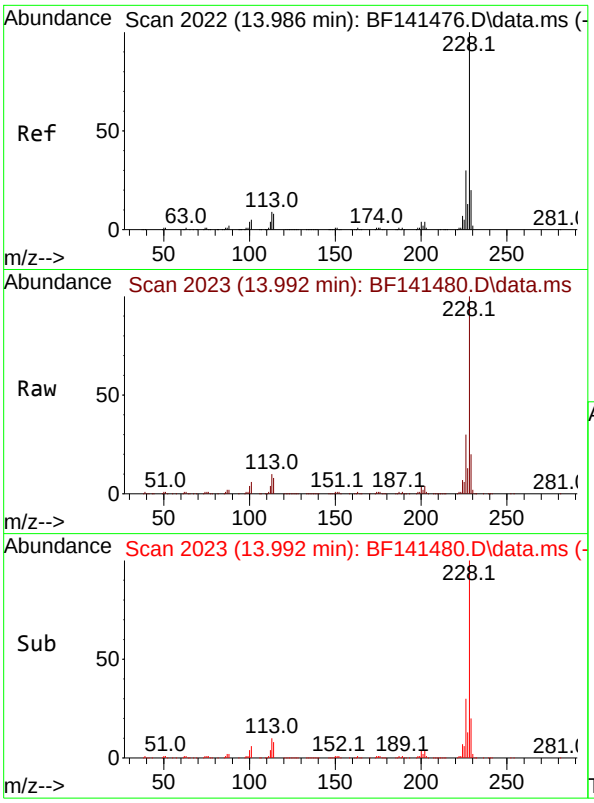


#82
3,3'-Dichlorobenzidine
Concen: 38.608 ng
RT: 13.916 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 185650

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.6	76.0
126	10.9	9.3	13.9



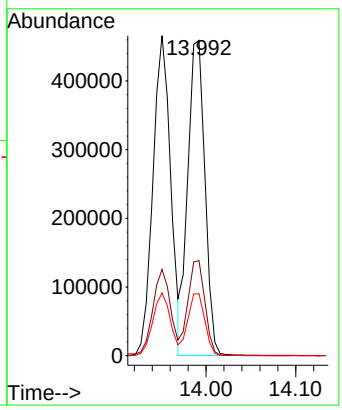


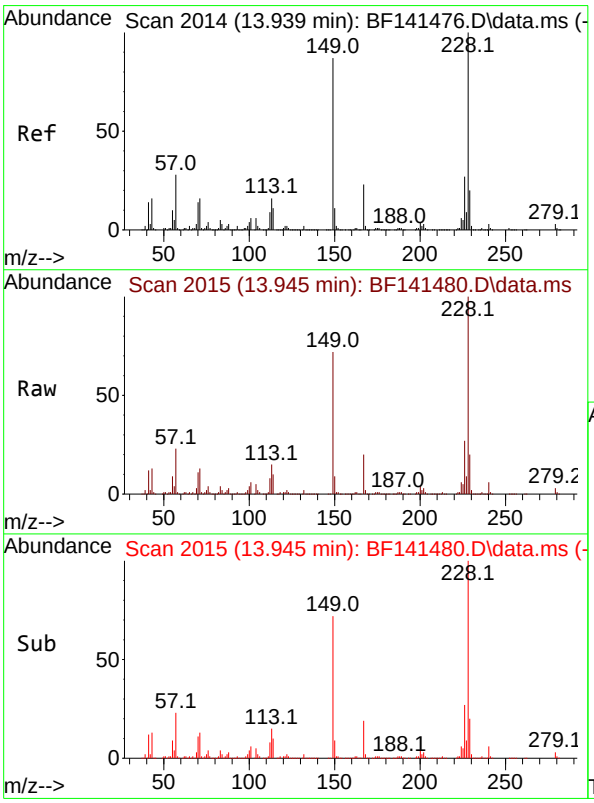
#83
Chrysene
Concen: 39.361 ng
RT: 13.992 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:228 Resp: 610091

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.6	15.7	23.5

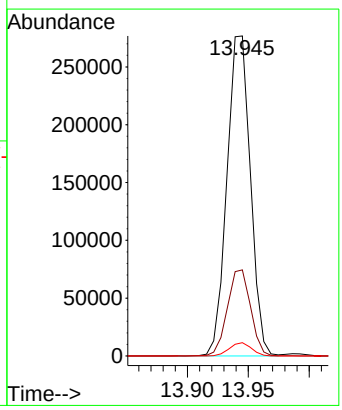


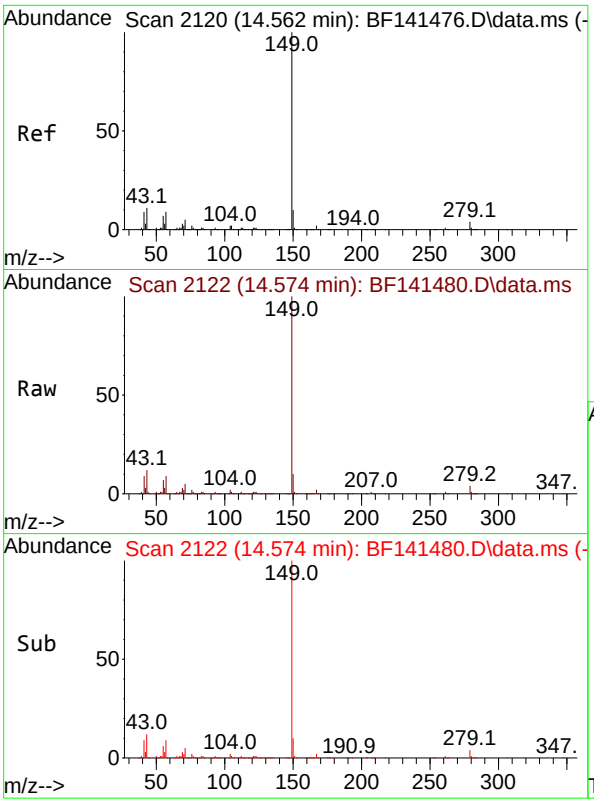


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.229 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 371434

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.0
279	4.1	3.1	4.7



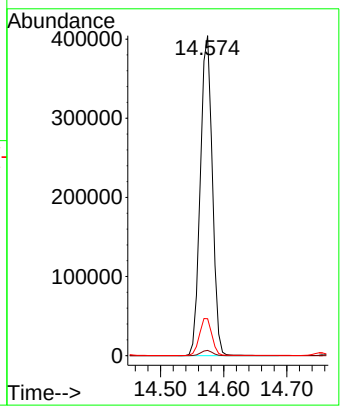


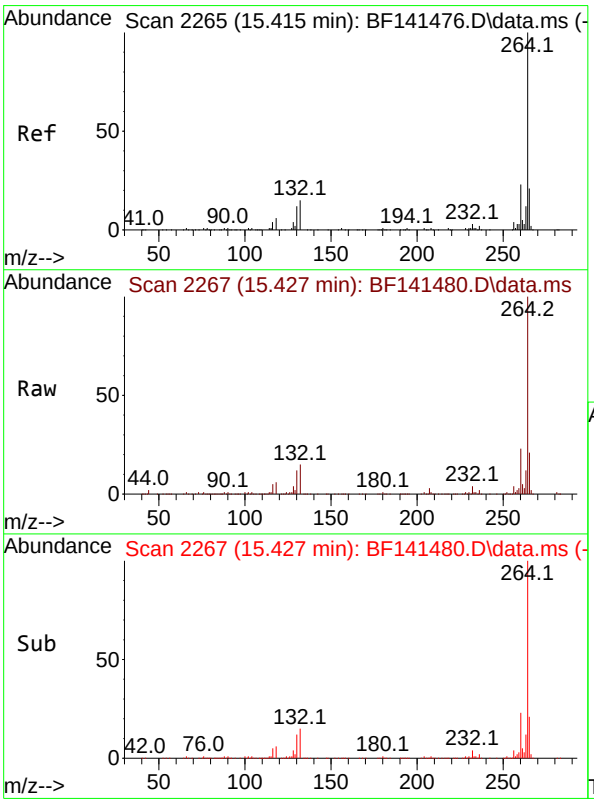
#85
Di-n-octyl phthalate
Concen: 44.652 ng
RT: 14.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:149 Resp: 534947

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.5	14.3

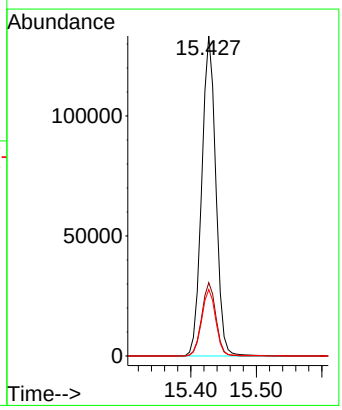


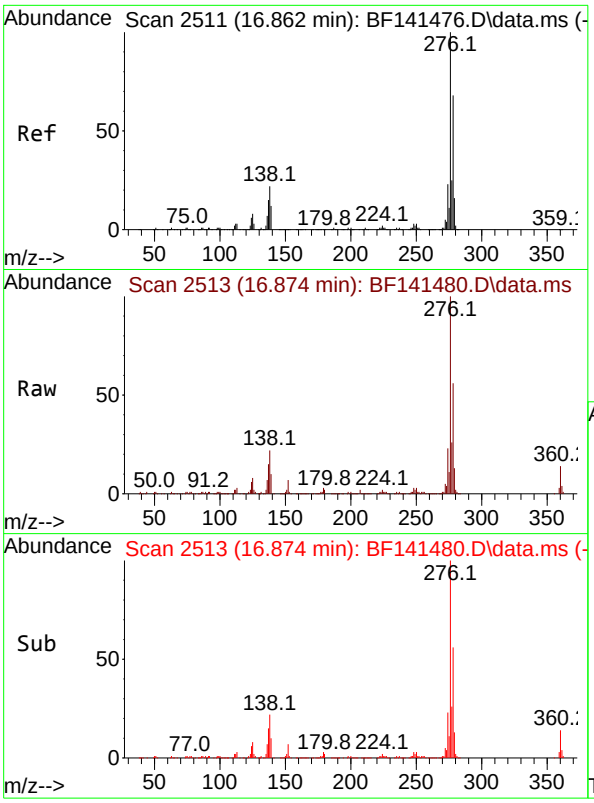


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:264 Resp: 199389

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	20.8	17.0	25.4



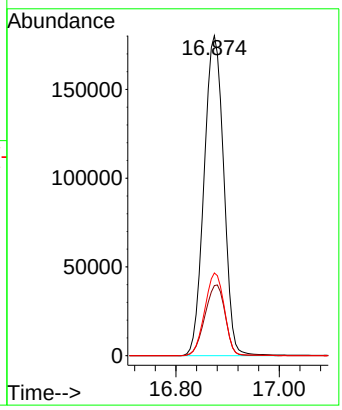


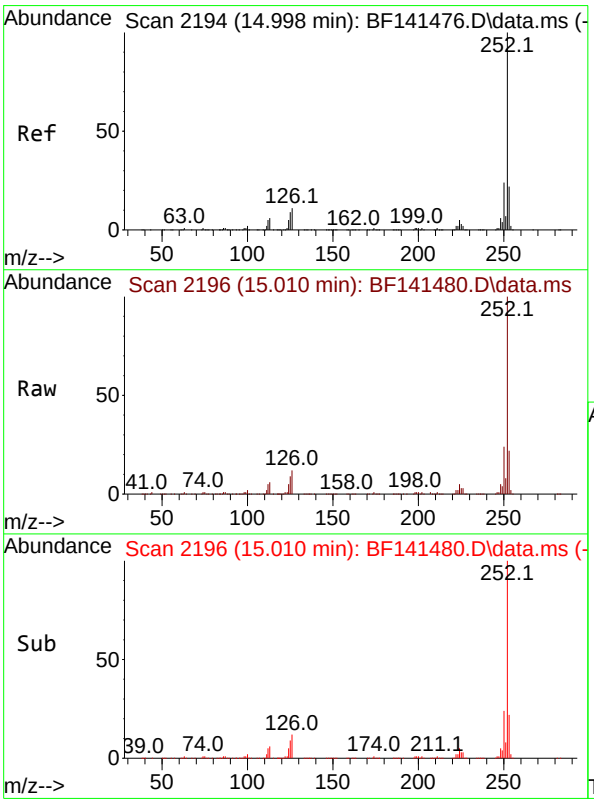
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.551 ng
RT: 16.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:276 Resp: 474949

Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.0	27.0
277	25.8	20.4	30.6

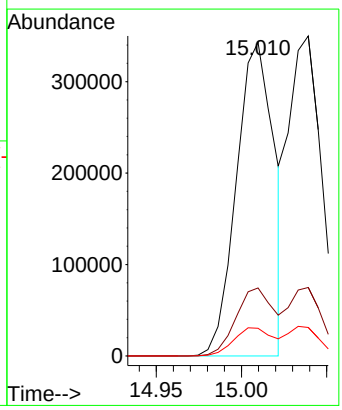


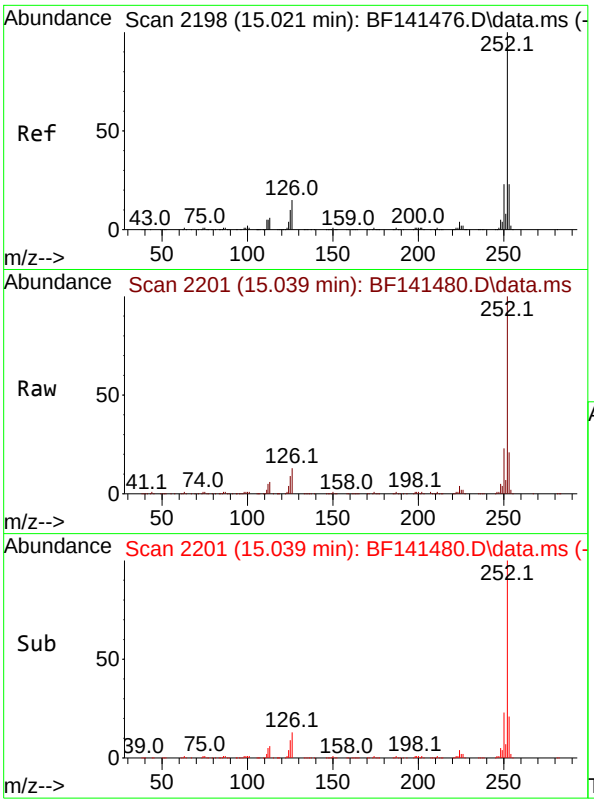


#88
Benzo(b)fluoranthene
Concen: 39.352 ng
RT: 15.010 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 526847

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	8.8	7.0	10.6



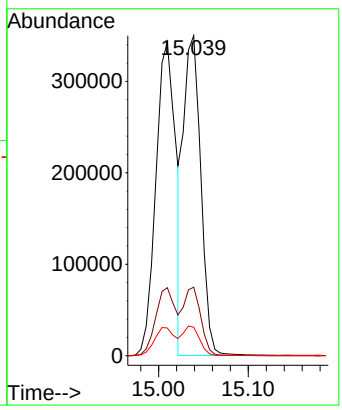


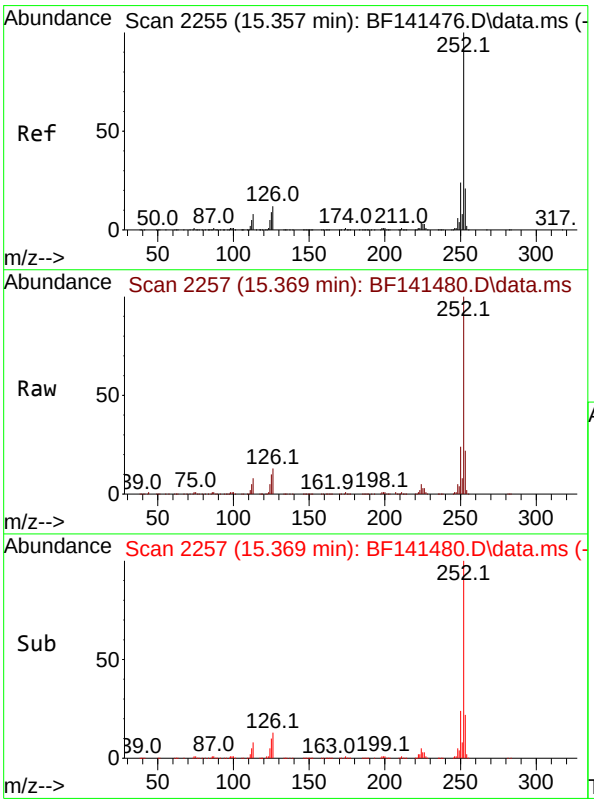
#89
Benzo(k)fluoranthene
Concen: 41.182 ng
RT: 15.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:252 Resp: 470794

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	8.9	7.4	11.0

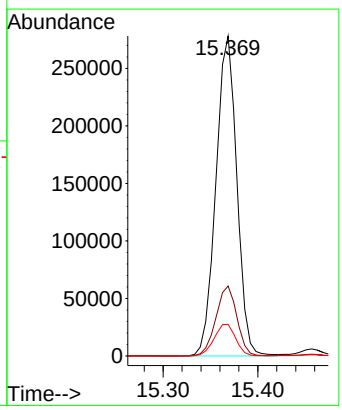


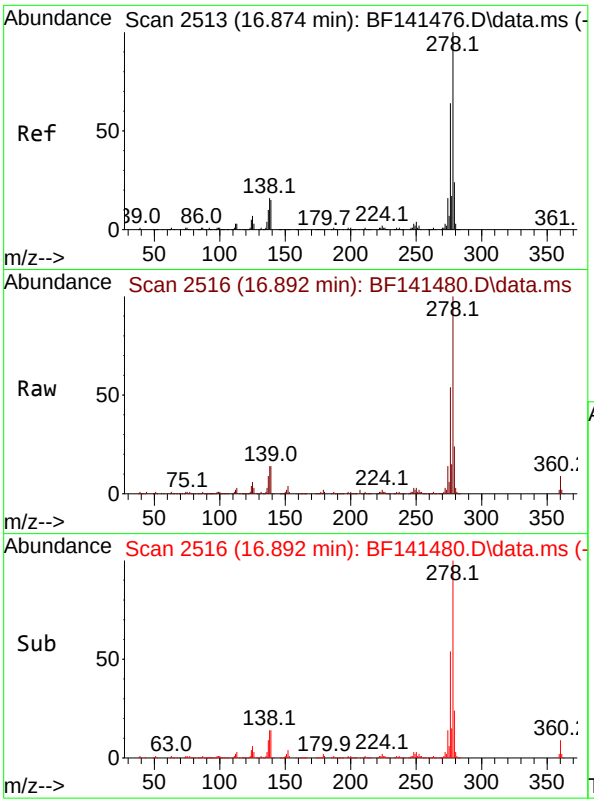


#90
Benzo(a)pyrene
Concen: 39.459 ng
RT: 15.369 min Scan# 2257
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 427462

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.9	7.4	11.2



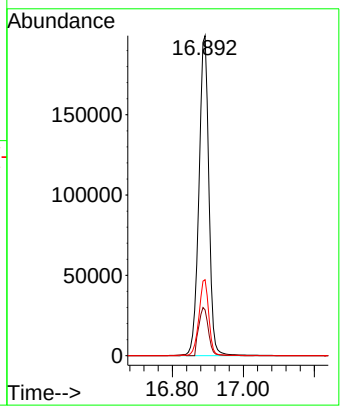


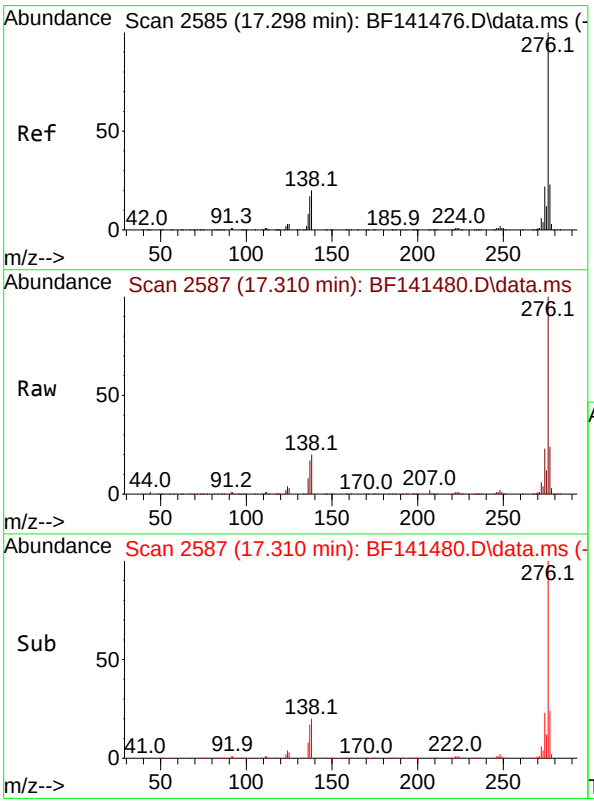
#91
Dibenzo(a,h)anthracene
Concen: 38.870 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:278 Resp: 388028

Ion	Ratio	Lower	Upper
278	100		
139	14.3	11.8	17.6
279	23.7	19.1	28.7

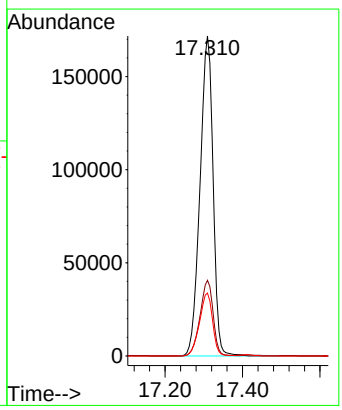




#92
Benzo(g,h,i)perylene
Concen: 38.536 ng
RT: 17.310 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:276 Resp: 402566

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	19.7	15.9	23.9



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.513	0.518	-1.0	101	0.00
3		Pyridine	1.222	1.281	-4.8	102	-0.01
4		n-Nitrosodimethylamine	0.809	0.842	-4.1	104	-0.03
5	S	2-Fluorophenol	1.276	1.306	-2.4	102	0.00
6		Aniline	1.513	1.582	-4.6	104	-0.01
7	S	Phenol-d6	1.612	1.630	-1.1	102	-0.01
8		2-Chlorophenol	1.378	1.397	-1.4	102	-0.01
9		Benzaldehyde	0.857	0.859	-0.2	106	0.00
10	C	Phenol	1.678	1.704	-1.5	102	-0.01
11		bis(2-Chloroethyl)ether	1.261	1.256	0.4	100	0.00
12		1,3-Dichlorobenzene	1.455	1.467	-0.8	103	0.00
13	C	1,4-Dichlorobenzene	1.487	1.484	0.2	102	0.00
14		1,2-Dichlorobenzene	1.380	1.392	-0.9	102	0.00
15		Benzyl Alcohol	1.236	1.269	-2.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.187	-1.3	102	0.00
17		2-Methylphenol	1.079	1.099	-1.9	103	0.00
18		Hexachloroethane	0.550	0.565	-2.7	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.964	0.966	-0.2	101	-0.01
20		3+4-Methylphenols	1.371	1.373	-0.1	101	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.498	0.488	2.0	102	-0.01
23	S	Nitrobenzene-d5	0.383	0.376	1.8	101	0.00
24		Nitrobenzene	0.374	0.369	1.3	102	0.00
25		Isophorone	0.611	0.608	0.5	103	-0.01
26	C	2-Nitrophenol	0.186	0.188	-1.1	101	0.00
27		2,4-Dimethylphenol	0.217	0.217	0.0	100	0.00
28		bis(2-Chloroethoxy)methane	0.392	0.390	0.5	102	0.00
29	C	2,4-Dichlorophenol	0.294	0.292	0.7	102	0.00
30		1,2,4-Trichlorobenzene	0.320	0.314	1.9	102	0.00
31		Naphthalene	1.041	1.023	1.7	102	0.00
32		Benzoic acid	0.226	0.228	-0.9	102	-0.04
33		4-Chloroaniline	0.363	0.370	-1.9	105	-0.01
34	C	Hexachlorobutadiene	0.192	0.193	-0.5	103	0.00
35		Caprolactam	0.089	0.092	-3.4	102	-0.03
36	C	4-Chloro-3-methylphenol	0.325	0.325	0.0	102	0.00
37		2-Methylnaphthalene	0.677	0.656	3.1	101	0.00
38		1-Methylnaphthalene	0.656	0.641	2.3	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.579	0.581	-0.3	102	0.00
41	P	Hexachlorocyclopentadiene	0.192	0.186	3.1	94	0.00
42	S	2,4,6-Tribromophenol	0.201	0.200	0.5	102	0.00
43	C	2,4,6-Trichlorophenol	0.374	0.373	0.3	101	0.00
44		2,4,5-Trichlorophenol	0.405	0.406	-0.2	101	0.00
45	S	2-Fluorobiphenyl	1.298	1.278	1.5	103	0.00
46		1,1'-Biphenyl	1.551	1.532	1.2	102	0.00
47		2-Chloronaphthalene	1.147	1.131	1.4	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.385	0.389	-1.0	102	0.00
49		Acenaphthylene	1.705	1.694	0.6	102	0.00
50		Dimethylphthalate	1.358	1.340	1.3	102	-0.01
51		2,6-Dinitrotoluene	0.297	0.297	0.0	101	0.00
52	C	Acenaphthene	1.147	1.143	0.3	102	0.00
53		3-Nitroaniline	0.319	0.323	-1.3	104	0.00
54	P	2,4-Dinitrophenol	0.176	0.188	-6.8	109	-0.01
55		Dibenzofuran	1.683	1.677	0.4	103	0.00
56	P	4-Nitrophenol	0.237	0.250	-5.5	103	-0.01
57		2,4-Dinitrotoluene	0.395	0.401	-1.5	103	0.00
58		Fluorene	1.301	1.285	1.2	102	0.00
59		2,3,4,6-Tetrachlorophenol	0.349	0.353	-1.1	104	0.00
60		Diethylphthalate	1.336	1.318	1.3	101	0.00
61		4-Chlorophenyl-phenylether	0.626	0.615	1.8	101	0.00
62		4-Nitroaniline	0.324	0.333	-2.8	102	-0.02
63		Azobenzene	1.328	1.320	0.6	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.147	-5.8	104	-0.01
66	c	n-Nitrosodiphenylamine	0.640	0.641	-0.2	102	0.00
67		4-Bromophenyl-phenylether	0.224	0.228	-1.8	104	0.00
68		Hexachlorobenzene	0.230	0.231	-0.4	102	0.00
69		Atrazine	0.192	0.189	1.6	102	0.00
70	C	Pentachlorophenol	0.147	0.156	-6.1	102	0.00
71		Phenanthrene	1.101	1.104	-0.3	102	0.00
72		Anthracene	1.107	1.117	-0.9	103	0.00
73		Carbazole	0.996	1.002	-0.6	102	0.00
74		Di-n-butylphthalate	1.150	1.177	-2.3	103	0.00
75	C	Fluoranthene	1.167	1.197	-2.6	104	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77		Benzidine	0.441	0.419	5.0	89	0.00
78		Pyrene	1.703	1.608	5.6	103	0.00
79	S	Terphenyl-d14	1.185	1.122	5.3	105	0.00
80		Butylbenzylphthalate	0.590	0.616	-4.4	113	0.00
81		Benzo(a)anthracene	1.329	1.263	5.0	105	0.00
82		3,3'-Dichlorobenzidine	0.381	0.368	3.4	109	0.00
83		Chrysene	1.228	1.208	1.6	113	0.00
84		Bis(2-ethylhexyl)phthalate	0.665	0.735	-10.5	120	0.00
85	c	Di-n-octyl phthalate	0.949	1.059	-11.6	123	0.01
86	I	Perylene-d12	1.000	1.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	1.236	1.191	3.6	101	0.00
88		Benzo(b)fluoranthene	1.343	1.321	1.6	108	0.00
89		Benzo(k)fluoranthene	1.147	1.181	-3.0	113	0.00
90	C	Benzo(a)pyrene	1.087	1.072	1.4	108	0.00
91		Dibenzo(a,h)anthracene	1.001	0.973	2.8	101	0.00
92		Benzo(g,h,i)perylene	1.048	1.009	3.7	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2		1,4-Dioxane	40.000	40.369	-0.9	101	0.00
3		Pyridine	40.000	41.938	-4.8	102	-0.01
4		n-Nitrosodimethylamine	40.000	41.653	-4.1	104	-0.03
5	S	2-Fluorophenol	80.000	81.894	-2.4	102	0.00
6		Aniline	40.000	41.834	-4.6	104	-0.01
7	S	Phenol-d6	80.000	80.878	-1.1	102	-0.01
8		2-Chlorophenol	40.000	40.527	-1.3	102	-0.01
9		Benzaldehyde	40.000	40.105	-0.3	106	0.00
10	C	Phenol	40.000	40.615	-1.5	102	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.866	0.3	100	0.00
12		1,3-Dichlorobenzene	40.000	40.317	-0.8	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.911	0.2	102	0.00
14		1,2-Dichlorobenzene	40.000	40.354	-0.9	102	0.00
15		Benzyl Alcohol	40.000	41.041	-2.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.535	-1.3	102	0.00
17		2-Methylphenol	40.000	40.768	-1.9	103	0.00
18		Hexachloroethane	40.000	41.061	-2.7	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.048	-0.1	101	-0.01
20		3+4-Methylphenols	40.000	40.073	-0.2	101	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	39.246	1.9	102	-0.01
23	S	Nitrobenzene-d5	80.000	78.369	2.0	101	0.00
24		Nitrobenzene	40.000	39.429	1.4	102	0.00
25		Isophorone	40.000	39.767	0.6	103	-0.01
26	C	2-Nitrophenol	40.000	40.413	-1.0	101	0.00
27		2,4-Dimethylphenol	40.000	39.924	0.2	100	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.822	0.4	102	0.00
29	C	2,4-Dichlorophenol	40.000	39.818	0.5	102	0.00
30		1,2,4-Trichlorobenzene	40.000	39.237	1.9	102	0.00
31		Naphthalene	40.000	39.287	1.8	102	0.00
32		Benzoic acid	40.000	40.324	-0.8	102	-0.04
33		4-Chloroaniline	40.000	40.680	-1.7	105	-0.01
34	C	Hexachlorobutadiene	40.000	40.144	-0.4	103	0.00
35		Caprolactam	40.000	41.104	-2.8	102	-0.03
36	C	4-Chloro-3-methylphenol	40.000	40.006	-0.0	102	0.00
37		2-Methylnaphthalene	40.000	38.710	3.2	101	0.00
38		1-Methylnaphthalene	40.000	39.049	2.4	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.182	-0.5	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.754	3.1	94	0.00
42	S	2,4,6-Tribromophenol	80.000	79.490	0.6	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.914	0.2	101	0.00
44		2,4,5-Trichlorophenol	40.000	40.108	-0.3	101	0.00
45	S	2-Fluorobiphenyl	80.000	78.786	1.5	103	0.00
46		1,1'-Biphenyl	40.000	39.519	1.2	102	0.00
47		2-Chloronaphthalene	40.000	39.453	1.4	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.451	-1.1	102	0.00
49		Acenaphthylene	40.000	39.734	0.7	102	0.00
50		Dimethylphthalate	40.000	39.488	1.3	102	-0.01
51		2,6-Dinitrotoluene	40.000	39.965	0.1	101	0.00
52	C	Acenaphthene	40.000	39.893	0.3	102	0.00
53		3-Nitroaniline	40.000	40.463	-1.2	104	0.00
54	P	2,4-Dinitrophenol	40.000	42.639	-6.6	109	-0.01
55		Dibenzofuran	40.000	39.860	0.4	103	0.00
56	P	4-Nitrophenol	40.000	42.166	-5.4	103	-0.01
57		2,4-Dinitrotoluene	40.000	40.633	-1.6	103	0.00
58		Fluorene	40.000	39.501	1.2	102	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.438	-1.1	104	0.00
60		Diethylphthalate	40.000	39.467	1.3	101	0.00
61		4-Chlorophenyl-phenylether	40.000	39.318	1.7	101	0.00
62		4-Nitroaniline	40.000	41.124	-2.8	102	-0.02
63		Azobenzene	40.000	39.759	0.6	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.230	-5.6	104	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.040	-0.1	102	0.00
67		4-Bromophenyl-phenylether	40.000	40.864	-2.2	104	0.00
68		Hexachlorobenzene	40.000	40.208	-0.5	102	0.00
69		Atrazine	40.000	39.358	1.6	102	0.00
70	C	Pentachlorophenol	40.000	42.476	-6.2	102	0.00
71		Phenanthrene	40.000	40.114	-0.3	102	0.00
72		Anthracene	40.000	40.362	-0.9	103	0.00
73		Carbazole	40.000	40.267	-0.7	102	0.00
74		Di-n-butylphthalate	40.000	40.953	-2.4	103	0.00
75	C	Fluoranthene	40.000	41.011	-2.5	104	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77		Benzidine	40.000	38.017	5.0	89	0.00
78		Pyrene	40.000	37.784	5.5	103	0.00
79	S	Terphenyl-d14	80.000	75.750	5.3	105	0.00
80		Butylbenzylphthalate	40.000	41.781	-4.5	113	0.00
81		Benzo(a)anthracene	40.000	38.009	5.0	105	0.00
82		3,3'-Dichlorobenzidine	40.000	38.608	3.5	109	0.00
83		Chrysene	40.000	39.361	1.6	113	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.229	-10.6	120	0.00
85	c	Di-n-octyl phthalate	40.000	44.652	-11.6	123	0.01
86	I	Perylene-d12	20.000	20.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.551	3.6	101	0.00
88		Benzo(b)fluoranthene	40.000	39.352	1.6	108	0.00
89		Benzo(k)fluoranthene	40.000	41.182	-3.0	113	0.00
90	C	Benzo(a)pyrene	40.000	39.459	1.4	108	0.00
91		Dibenzo(a,h)anthracene	40.000	38.870	2.8	101	0.00
92		Benzo(g,h,i)perylene	40.000	38.536	3.7	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141336.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.218		-6.5	
Benzaldehyde	0.960	0.972		1.3	
Phenol-d6	1.657	1.534		-7.4	
Phenol	1.757	1.652		-6.0	20.0
bis(2-Chloroethyl)ether	1.347	1.267		-5.9	
2-Chlorophenol	1.396	1.307		-6.4	
2-Methylphenol	1.135	1.062		-6.4	
2,2-oxybis(1-Chloropropane)	2.342	2.199		-6.1	
Acetophenone	0.475	0.424		-10.7	
3+4-Methylphenols	1.393	1.318		-5.4	
n-Nitroso-di-n-propylamine	0.985	0.946	0.050	-4.0	
Nitrobenzene-d5	0.379	0.348		-8.2	
Hexachloroethane	0.571	0.536		-6.1	
Nitrobenzene	0.393	0.365		-7.1	
Isophorone	0.656	0.622		-5.2	
2-Nitrophenol	0.185	0.175		-5.4	20.0
2,4-Dimethylphenol	0.236	0.224		-5.1	
bis(2-Chloroethoxy)methane	0.418	0.386		-7.7	
2,4-Dichlorophenol	0.289	0.272		-5.9	20.0
Naphthalene	1.057	0.966		-8.6	
4-Chloroaniline	0.358	0.329		-8.1	
Hexachlorobutadiene	0.194	0.179		-7.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.341		10.0	20.0
2-Methylnaphthalene	0.672	0.618		-8.0	
Hexachlorocyclopentadiene	0.168	0.159	0.050	-5.4	
2,4,6-Trichlorophenol	0.372	0.365		-1.9	20.0
2-Fluorobiphenyl	1.299	1.148		-11.6	
2,4,5-Trichlorophenol	0.405	0.381		-5.9	
1,1-Biphenyl	1.560	1.427		-8.5	
2-Chloronaphthalene	1.216	1.102		-9.4	
2-Nitroaniline	0.382	0.366		-4.2	
Dimethylphthalate	1.351	1.290		-4.5	
Acenaphthylene	1.702	1.577		-7.3	
2,6-Dinitrotoluene	0.314	0.300		-4.5	
3-Nitroaniline	0.307	0.292		-4.9	
Acenaphthene	1.216	1.127		-7.3	20.0
2,4-Dinitrophenol	0.146	0.150	0.050	2.7	
4-Nitrophenol	0.225	0.300	0.050	33.3	

Raw Data: **BF141336.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.481		-9.0	
2,4-Dinitrotoluene	0.406	0.427		5.2	
Diethylphthalate	1.310	1.249		-4.7	
4-Chlorophenyl-phenylether	0.617	0.562		-8.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.288		-4.6	
4,6-Dinitro-2-methylphenol	0.118	0.131		11.0	
n-Nitrosodiphenylamine	0.647	0.627		-3.1	20.0
2,4,6-Tribromophenol	0.183	0.177		-3.3	
4-Bromophenyl-phenylether	0.224	0.220		-1.8	
Hexachlorobenzene	0.238	0.232		-2.5	
Atrazine	0.216	0.184		-14.8	
Pentachlorophenol	0.139	0.186		33.8	20.0
Phenanthrene	1.075	1.016		-5.5	
Anthracene	1.053	0.999		-5.1	
Carbazole	0.934	0.892		-4.5	
Di-n-butylphthalate	1.132	1.116		-1.4	
Fluoranthene	1.062	1.011		-4.8	20.0
Pyrene	1.920	1.949		1.5	
Terphenyl-d14	1.297	1.177		-9.3	
Butylbenzylphthalate	0.671	0.656		-2.2	
3,3-Dichlorobenzidine	0.439	0.397		-9.6	
Benzo(a)anthracene	1.380	1.181		-14.4	
Chrysene	1.265	1.179		-6.8	
Bis(2-ethylhexyl)phthalate	0.851	0.815		-4.2	
Di-n-octyl phthalate	1.321	1.285		-2.7	20.0
Benzo(b)fluoranthene	1.258	1.168		-7.2	
Benzo(k)fluoranthene	1.114	1.042		-6.5	
Benzo(a)pyrene	1.063	0.991		-6.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.238		-4.1	
Dibenzo(a,h)anthracene	1.039	0.999		-3.8	
Benzo(g,h,i)perylene	1.080	1.050		-2.8	
1,2,4,5-Tetrachlorobenzene	0.569	0.515		-9.5	
1,4-Dioxane	0.573	0.545		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.310		-2.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140033	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	558386	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	299701	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	493954	20.000	ng	0.00
76) Chrysene-d12	13.968	240	281629	20.000	ng	0.00
86) Perylene-d12	15.433	264	286623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	682309	74.803	ng	-0.01
7) Phenol-d6	6.428	99	859443	74.066	ng	-0.01
23) Nitrobenzene-d5	7.363	82	776494	73.308	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	211897	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1376427	70.690	ng	0.00
79) Terphenyl-d14	12.910	244	1325492	72.583	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	152703	38.066	ng	99
3) Pyridine	3.210	79	371435	38.429	ng	100
4) n-Nitrosodimethylamine	3.163	42	210093	38.050	ng	100
6) Aniline	6.457	93	376476	38.328	ng	93
8) 2-Chlorophenol	6.581	128	365957	37.432	ng	99
9) Benzaldehyde	6.345	77	272105	40.484	ng	99
10) Phenol	6.440	94	462764	37.622	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	354960	37.636	ng	99
12) 1,3-Dichlorobenzene	6.740	146	403414	37.423	ng	99
13) 1,4-Dichlorobenzene	6.816	146	402314	37.151	ng	100
14) 1,2-Dichlorobenzene	6.969	146	377953	37.272	ng	99
15) Benzyl Alcohol	6.939	79	308313	38.880	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	615868	37.552	ng	100
17) 2-Methylphenol	7.051	107	297446	37.434	ng	98
18) Hexachloroethane	7.310	117	150153	37.585	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	264932	38.424	ng	96
20) 3+4-Methylphenols	7.204	107	369223	37.845	ng	99
22) Acetophenone	7.210	105	473548	35.678	ng	100
24) Nitrobenzene	7.381	77	407415	37.116	ng	100
25) Isophorone	7.622	82	694555	37.934	ng	99
26) 2-Nitrophenol	7.698	139	195489	37.762	ng	99
27) 2,4-Dimethylphenol	7.734	122	250385	37.999	ng	98
28) bis(2-Chloroethoxy)met...	7.834	93	431598	36.955	ng	100
29) 2,4-Dichlorophenol	7.939	162	303375	37.608	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	333619	36.214	ng	100
31) Naphthalene	8.104	128	1078465	36.561	ng	100
32) Benzoic acid	7.845	122	252577	41.698	ng	99
33) 4-Chloroaniline	8.151	127	367291	36.719	ng	99
34) Hexachlorobutadiene	8.222	225	200005	37.021	ng	100
35) Caprolactam	8.522	113	101967	38.705	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	380639	43.991	ng	98
37) 2-Methylnaphthalene	8.792	142	690288	36.818	ng	98
38) 1-Methylnaphthalene	8.892	142	675547	36.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	308854	36.224	ng	99
41) Hexachlorocyclopentadiene	8.945	237	95556	37.949	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	218757	39.199	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

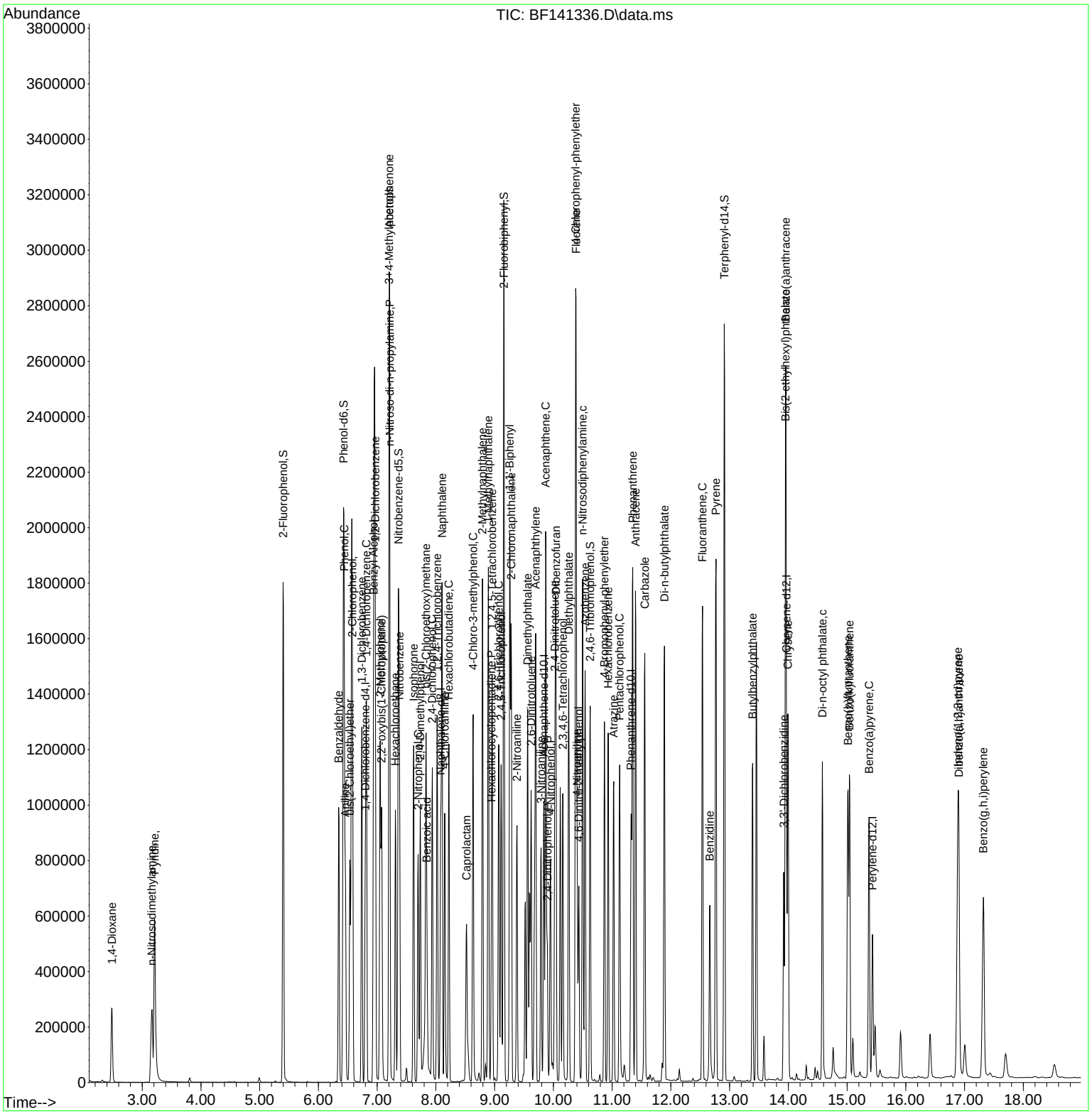
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	228427	37.608	ng	100
46) 1,1'-Biphenyl	9.257	154	855111	36.585	ng	100
47) 2-Chloronaphthalene	9.281	162	660426	36.251	ng	100
48) 2-Nitroaniline	9.381	65	219643	38.330	ng	100
49) Acenaphthylene	9.698	152	945423	37.073	ng	100
50) Dimethylphthalate	9.563	163	773243	38.200	ng	100
51) 2,6-Dinitrotoluene	9.622	165	179857	38.268	ng	99
52) Acenaphthene	9.869	154	675302	37.066	ng	99
53) 3-Nitroaniline	9.792	138	174746	37.936	ng	98
54) 2,4-Dinitrophenol	9.898	184	90166	41.270	ng	99
55) Dibenzofuran	10.045	168	887550	36.395	ng	100
56) 4-Nitrophenol	9.951	139	179822	53.378	ng	99
57) 2,4-Dinitrotoluene	10.028	165	255655	42.014	ng	99
58) Fluorene	10.386	166	690153	36.485	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	185895	38.903	ng	100
60) Diethylphthalate	10.263	149	748552	38.140	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	336871	36.458	ng	99
62) 4-Nitroaniline	10.404	138	172379	38.063	ng	98
63) Azobenzene	10.539	77	738145	37.573	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	129346	44.270	ng	99
66) n-Nitrosodiphenylamine	10.498	169	619094	38.751	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	216973	39.236	ng	97
68) Hexachlorobenzene	10.933	284	228716	38.991	ng	98
69) Atrazine	11.027	200	181536	33.985	ng	98
70) Pentachlorophenol	11.127	266	184030	53.575	ng	98
71) Phenanthrene	11.351	178	1004184	37.819	ng	100
72) Anthracene	11.398	178	987277	37.948	ng	99
73) Carbazole	11.557	167	881695	38.220	ng	100
74) Di-n-butylphthalate	11.892	149	1102750	39.444	ng	100
75) Fluoranthene	12.539	202	998810	38.098	ng	100
77) Benzidine	12.663	184	349084	38.664	ng	100
78) Pyrene	12.769	202	1097741	40.606	ng	100
80) Butylbenzylphthalate	13.392	149	369304	39.103	ng	99
81) Benzo(a)anthracene	13.957	228	665086	34.223	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	223750	36.200	ng	100
83) Chrysene	13.992	228	664102	37.287	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	458911	38.304	ng	99
85) Di-n-octyl phthalate	14.580	149	723593	38.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	709942	38.376	ng	100
88) Benzo(b)fluoranthene	15.015	252	669775	37.149	ng	100
89) Benzo(k)fluoranthene	15.039	252	597549	37.413	ng	99
90) Benzo(a)pyrene	15.374	252	568194	37.294	ng	100
91) Dibenzo(a,h)anthracene	16.904	278	572387	38.458	ng	100
92) Benzo(g,h,i)perylene	17.321	276	601743	38.883	ng	100

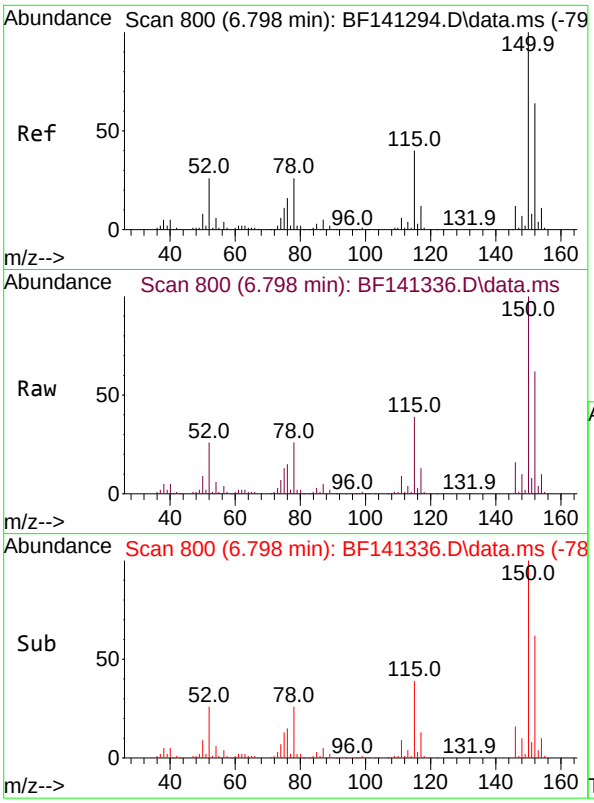
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



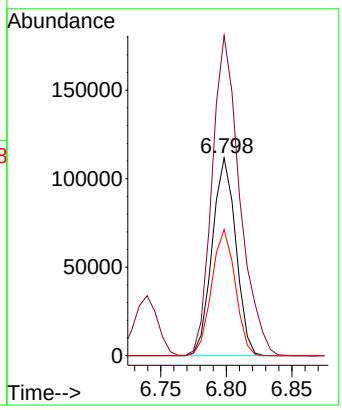


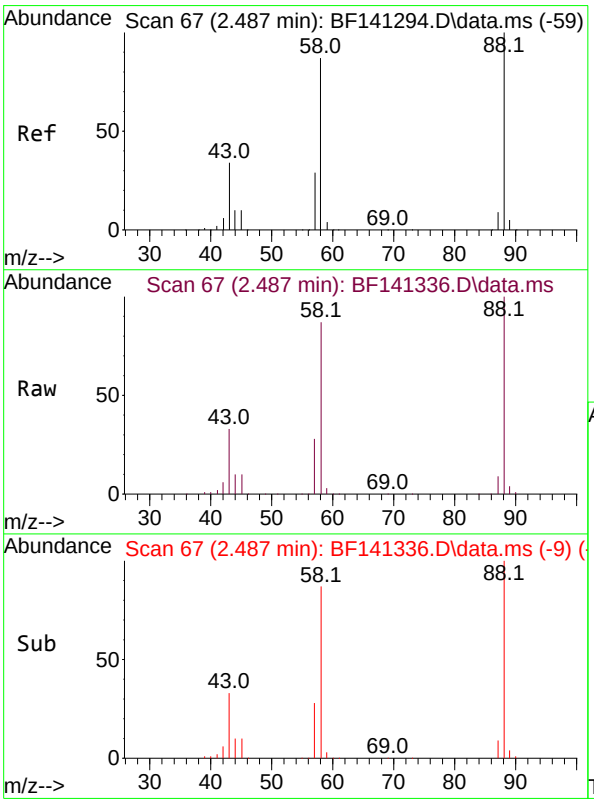
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 140033

Ion	Ratio	Lower	Upper
152	100		
150	161.9	125.9	188.9
115	63.8	49.7	74.5

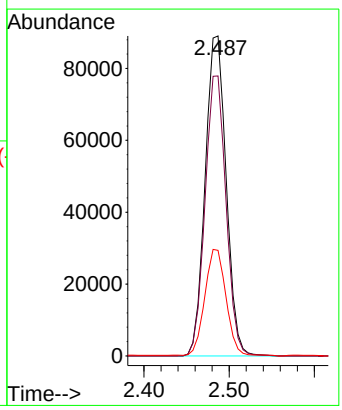


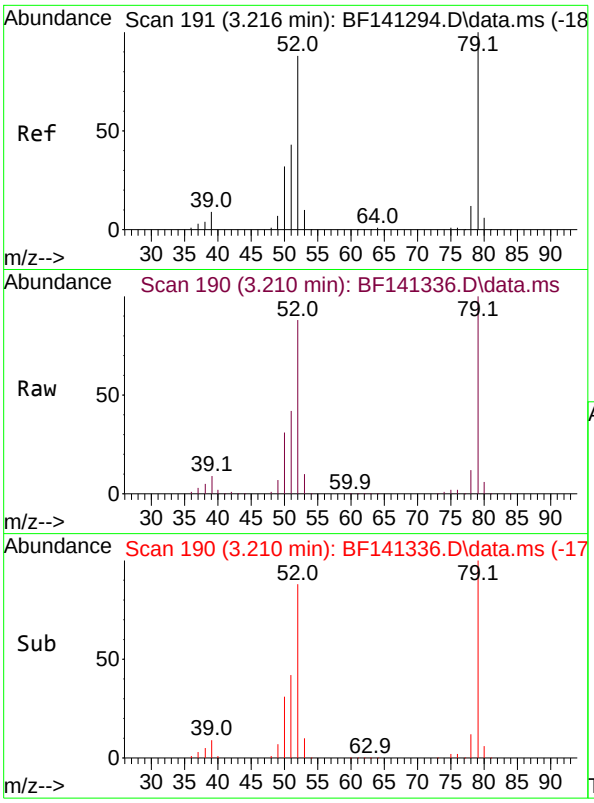


#2
1,4-Dioxane
Concen: 38.066 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 88 Resp: 152703

Ion	Ratio	Lower	Upper
88	100		
58	87.4	70.2	105.4
43	33.9	27.6	41.4



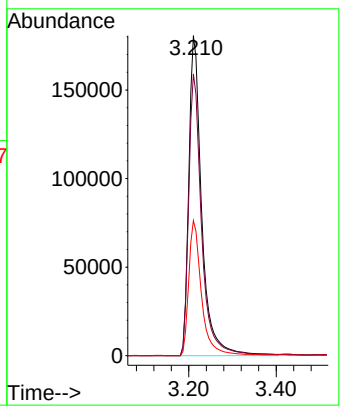


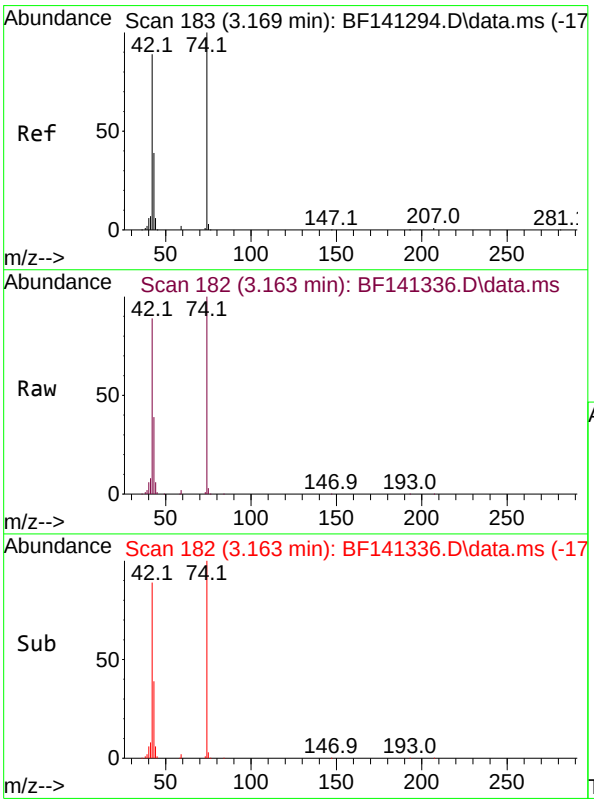
#3
Pyridine
Concen: 38.429 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 371435

Ion	Ratio	Lower	Upper
79	100		
52	88.0	70.3	105.5
51	42.2	34.3	51.5

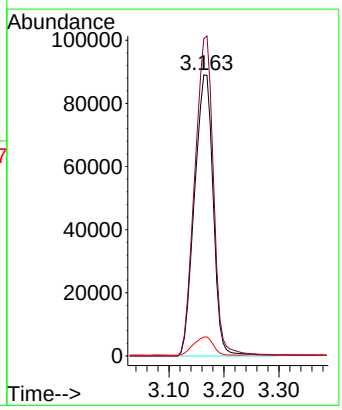


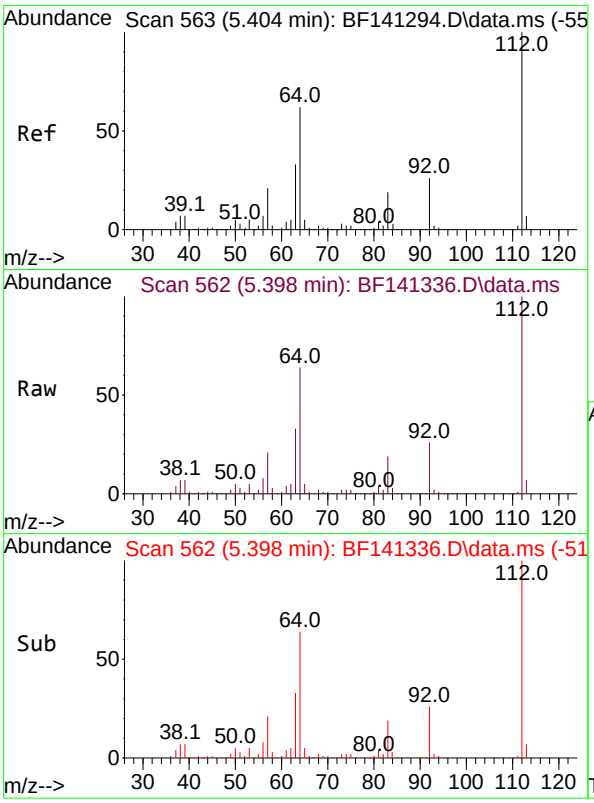


#4
n-Nitrosodimethylamine
Concen: 38.050 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 42 Resp: 210093

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.3	135.5
44	6.7	5.7	8.5



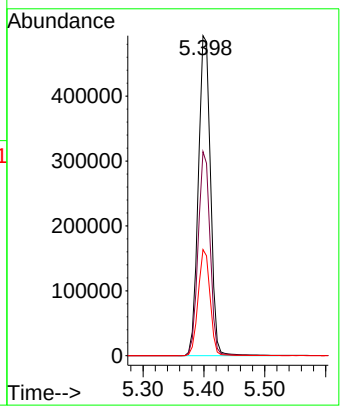


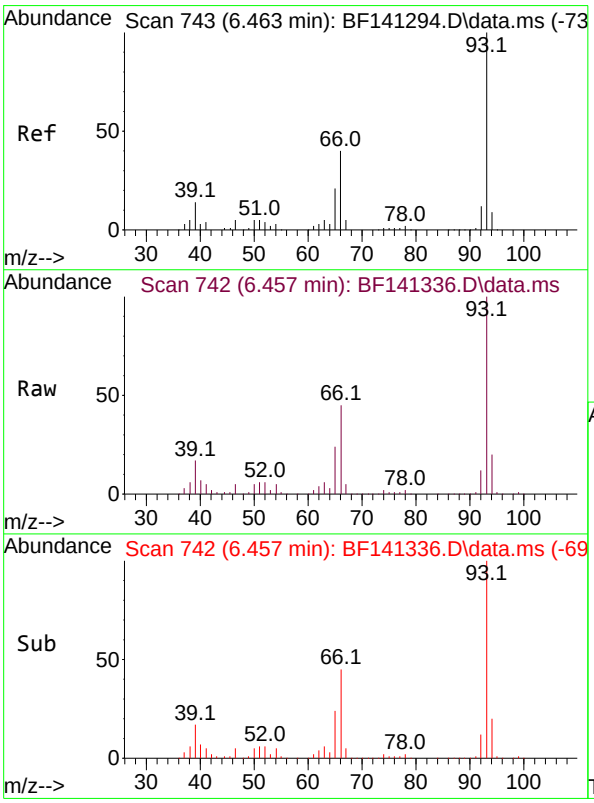
#5
2-Fluorophenol
Concen: 74.803 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 682309

Ion	Ratio	Lower	Upper
112	100		
64	63.7	49.8	74.8
63	33.2	26.1	39.1

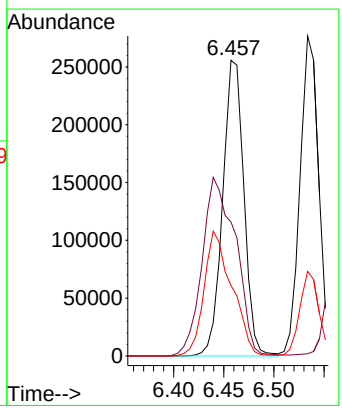


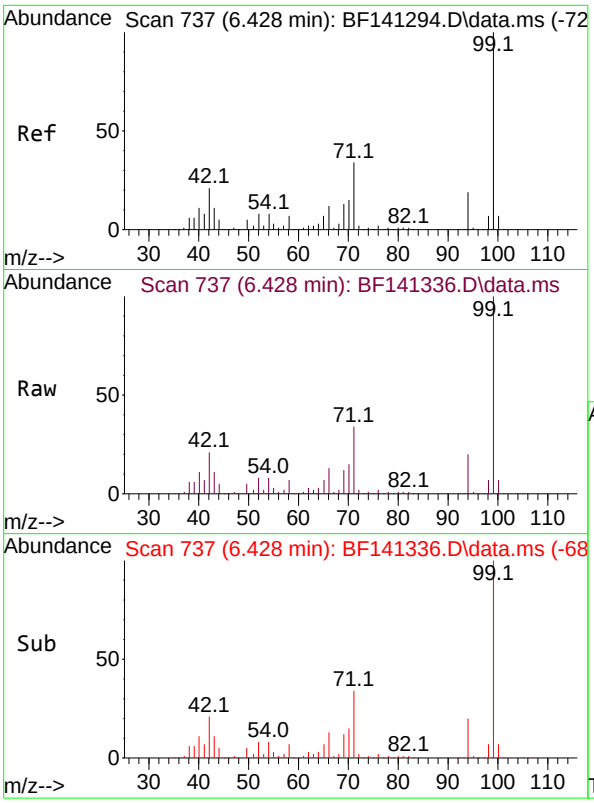


#6
Aniline
Concen: 38.328 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 376476

Ion	Ratio	Lower	Upper
93	100		
66	45.3	32.5	48.7
65	23.8	17.0	25.6



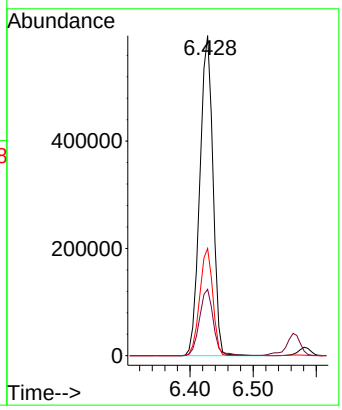


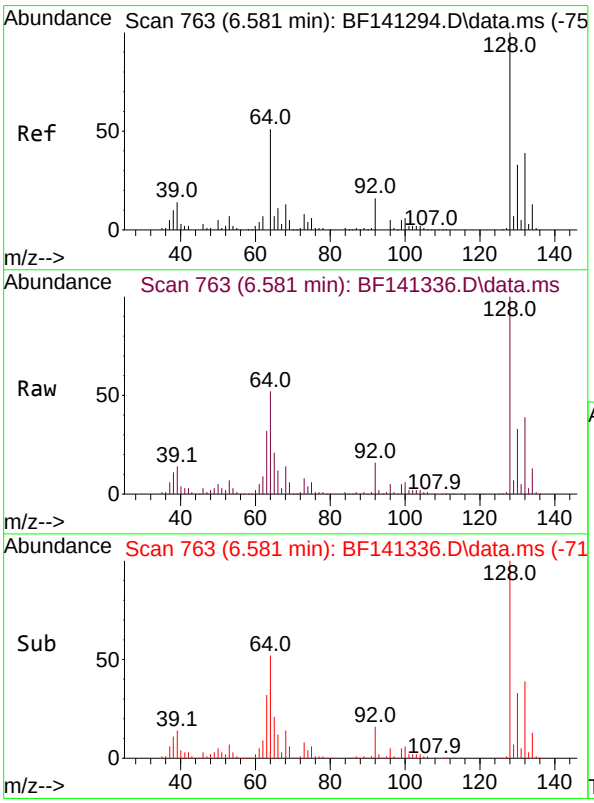
#7
Phenol-d6
Concen: 74.066 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 859443

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.1	25.7
71	33.5	26.9	40.3

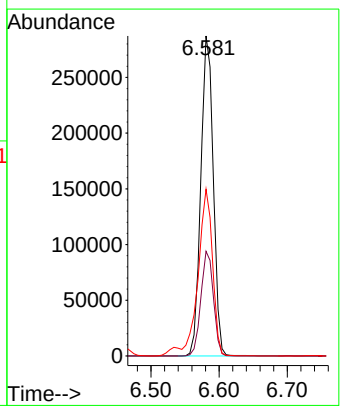


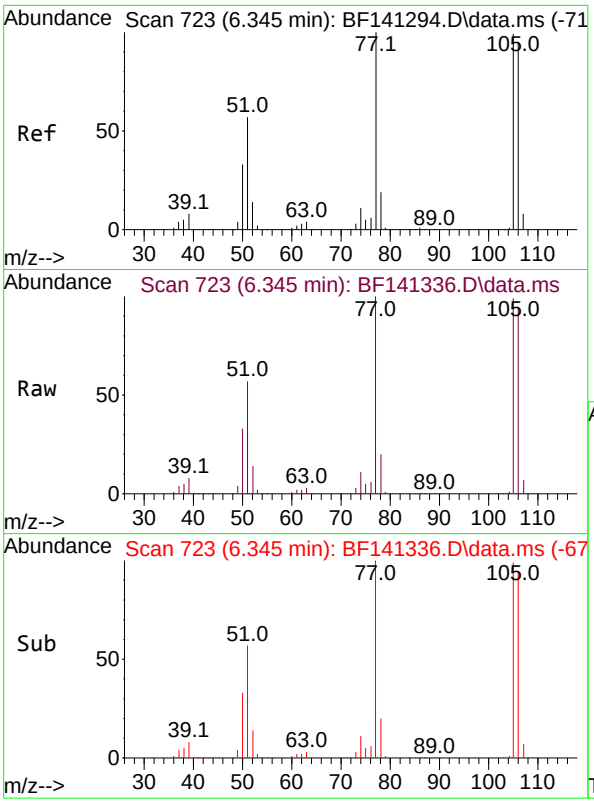


#8
2-Chlorophenol
Concen: 37.432 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:128 Resp: 365957

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	52.1	32.9	72.9



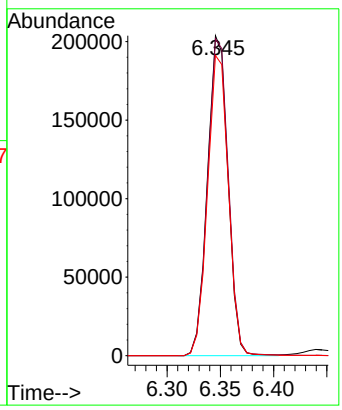


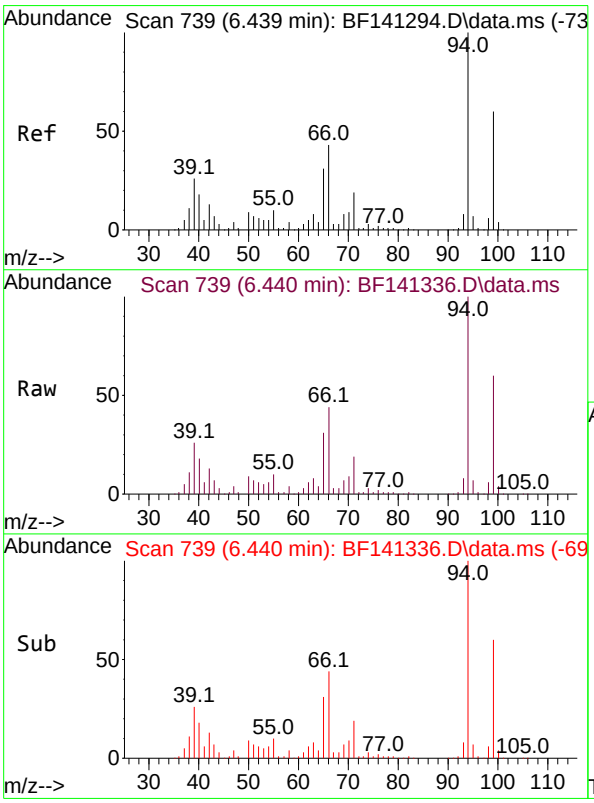
#9
Benzaldehyde
Concen: 40.484 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 272105

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.4	119.4
106	93.8	74.6	114.6

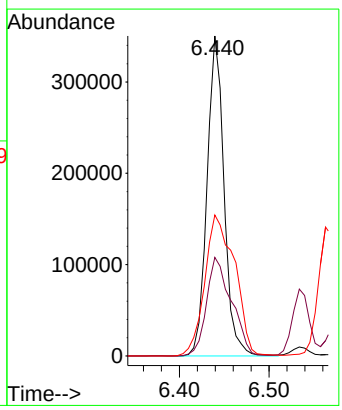


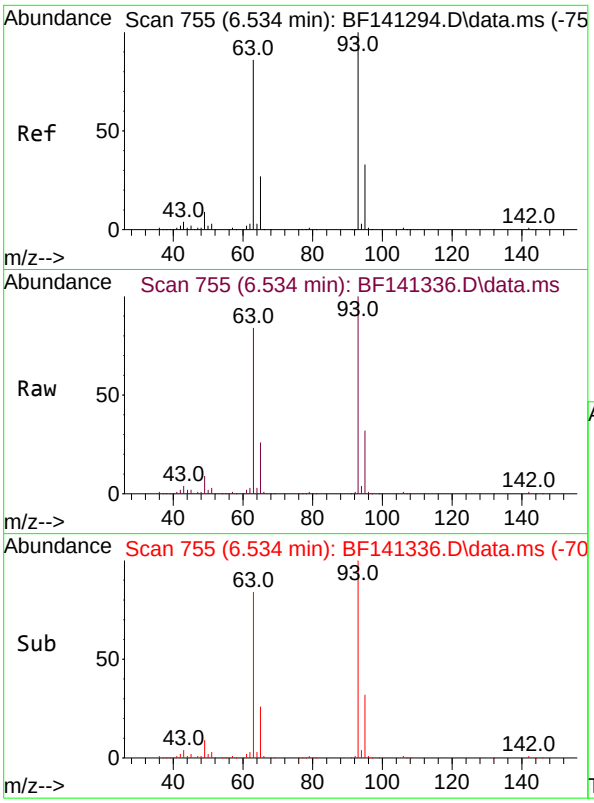


#10
Phenol
Concen: 37.622 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 94 Resp: 462764

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	44.1	23.3	63.3



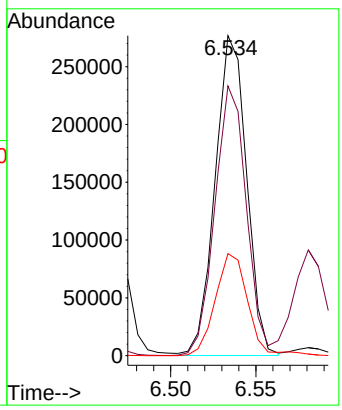


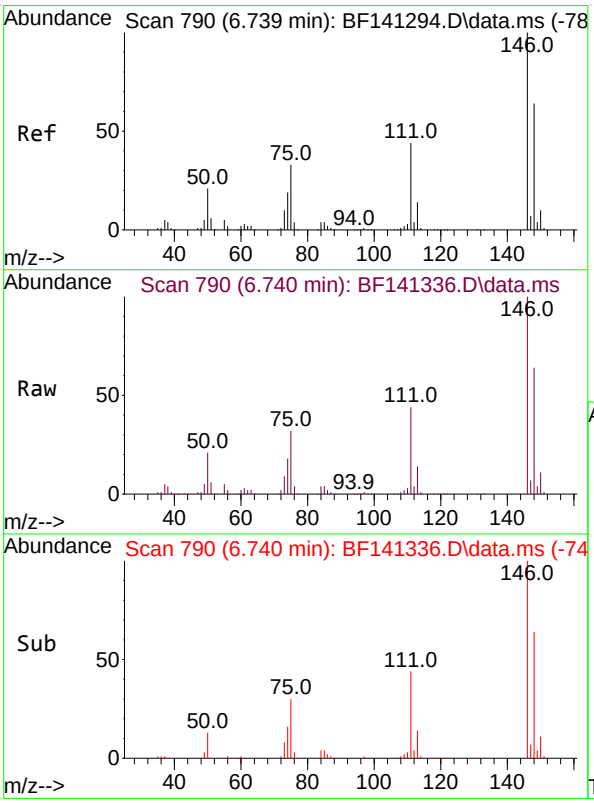
#11
bis(2-Chloroethyl)ether
Concen: 37.636 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 354960

Ion	Ratio	Lower	Upper
93	100		
63	84.3	65.0	105.0
95	31.9	12.4	52.4

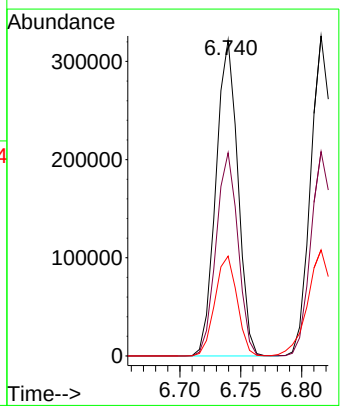


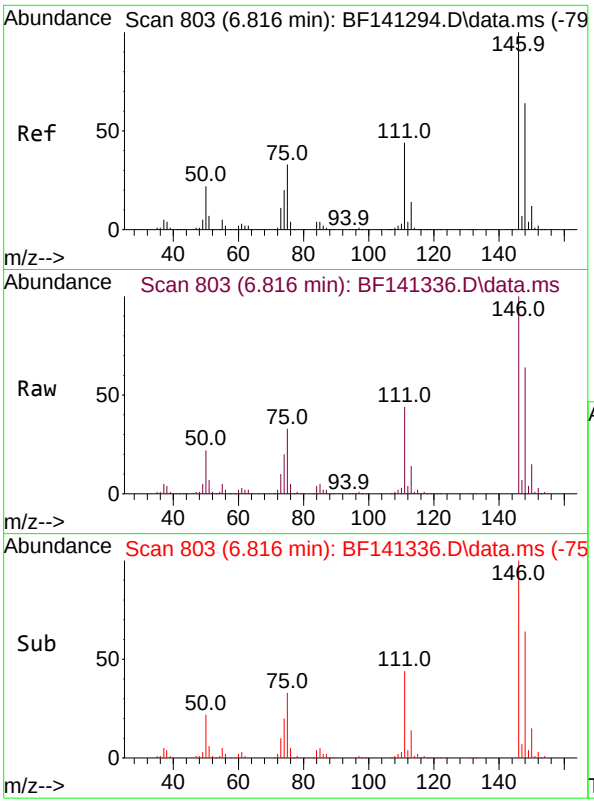


#12
1,3-Dichlorobenzene
Concen: 37.423 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:146 Resp: 403414

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
75	31.6	26.2	39.4



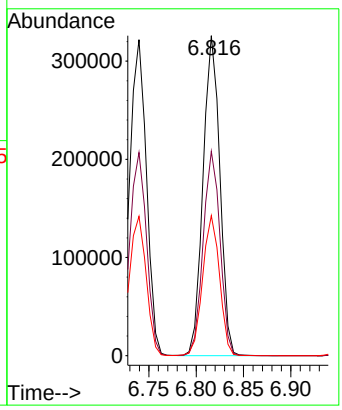


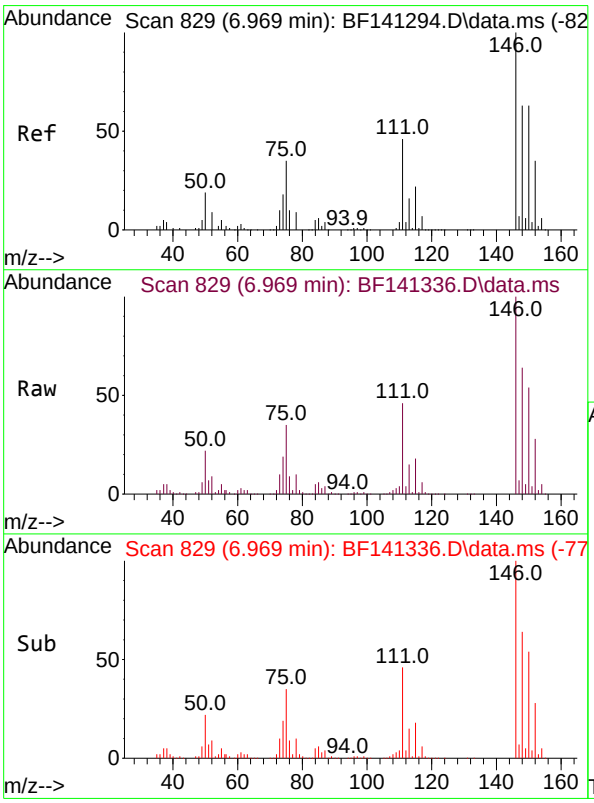
#13
1,4-Dichlorobenzene
Concen: 37.151 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 402314

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	43.7	35.0	52.4

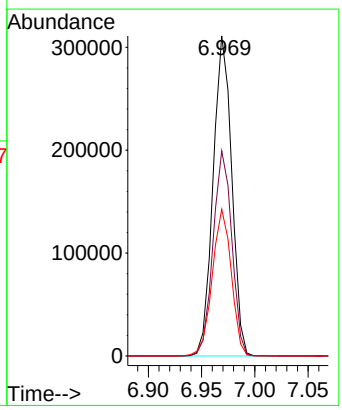


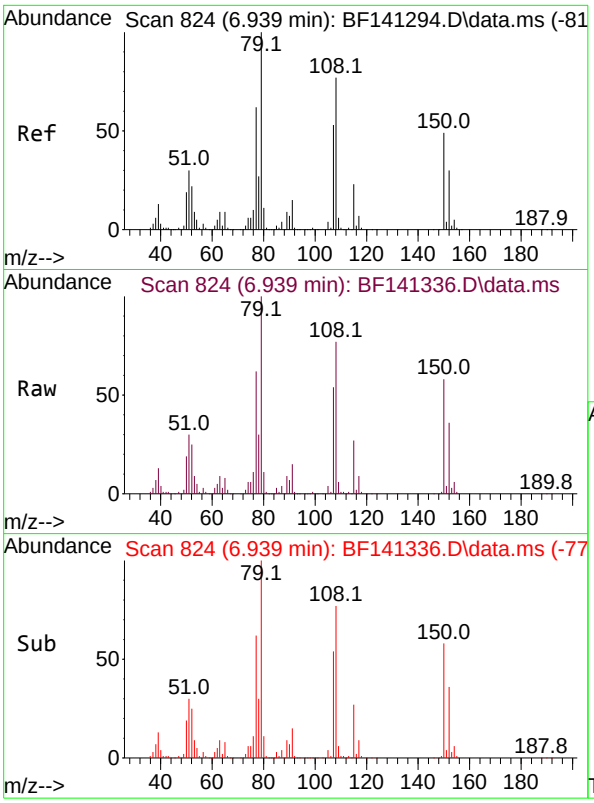


#14
1,2-Dichlorobenzene
Concen: 37.272 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:146 Resp: 377953

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.5	75.7
111	45.9	36.6	55.0



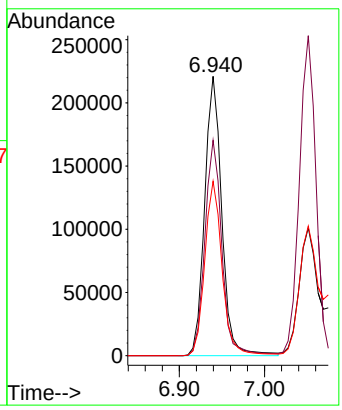


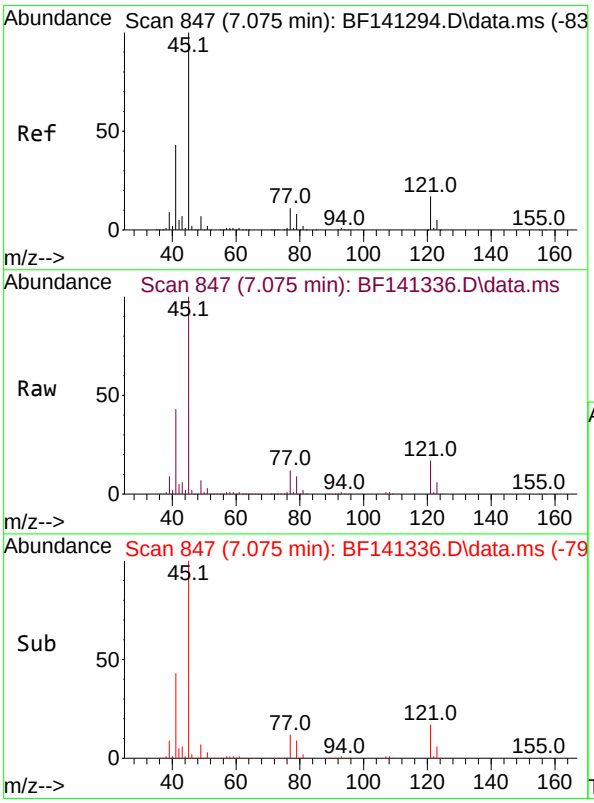
#15
Benzyl Alcohol
Concen: 38.880 ng
RT: 6.939 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 308313

Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.4	92.0
77	62.4	49.9	74.9

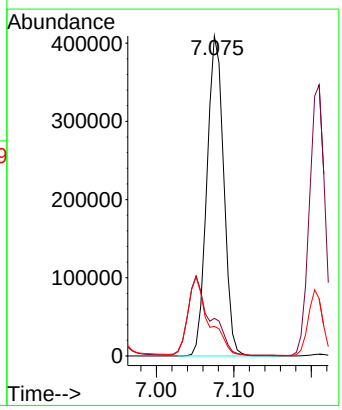


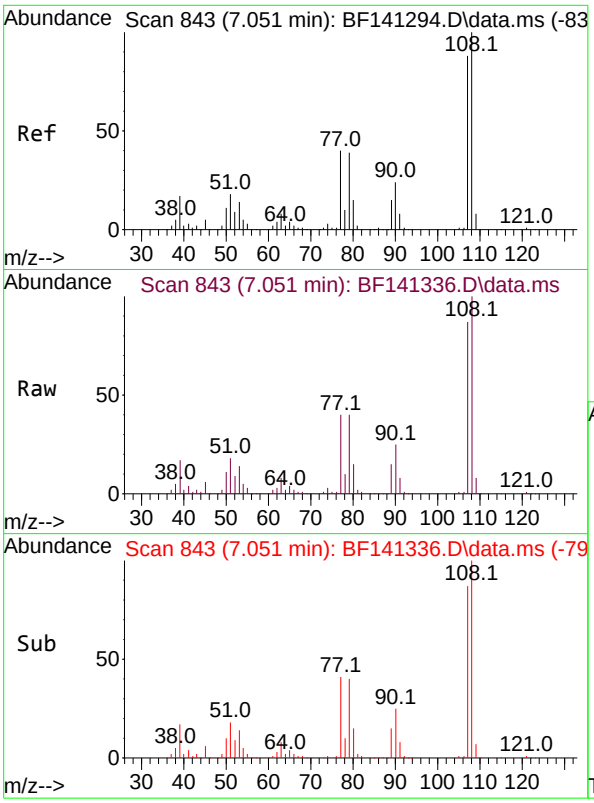


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.552 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 45 Resp: 615868

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.2	0.0	29.1



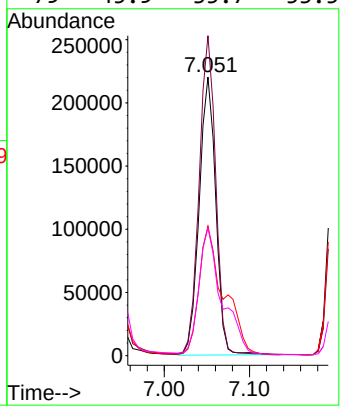


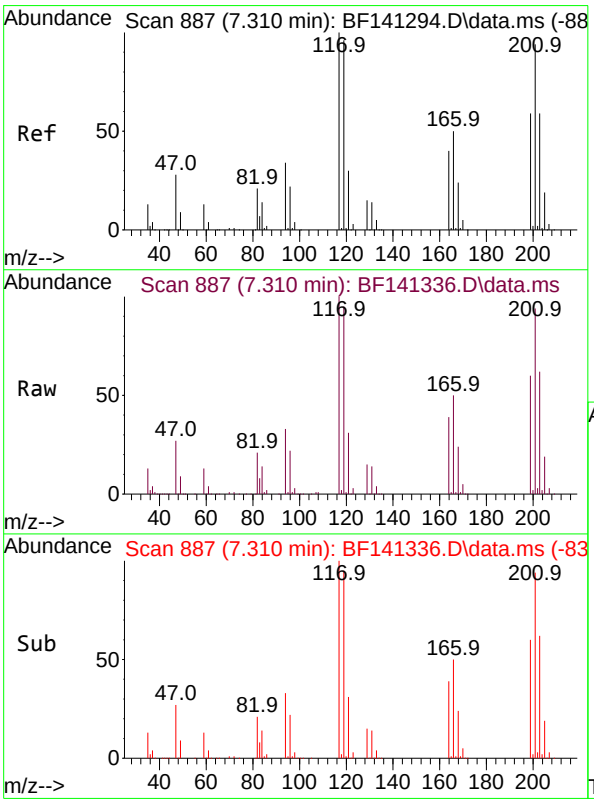
#17
2-Methylphenol
Concen: 37.434 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 297446

Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.8	136.2
77	46.5	36.2	54.4
79	45.9	35.7	53.5

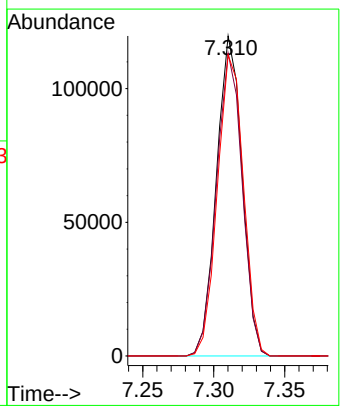


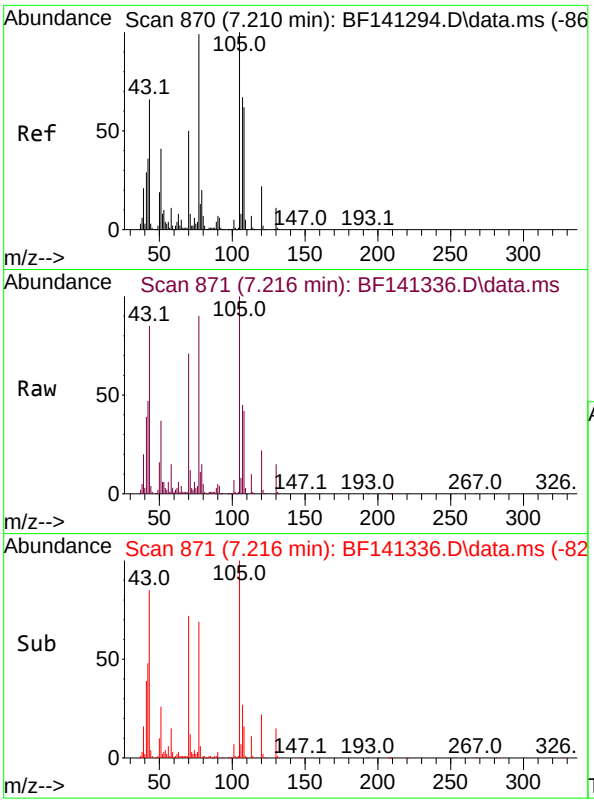


#18
Hexachloroethane
Concen: 37.585 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:117 Resp: 150153

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	114.8
201	94.1	74.8	112.2



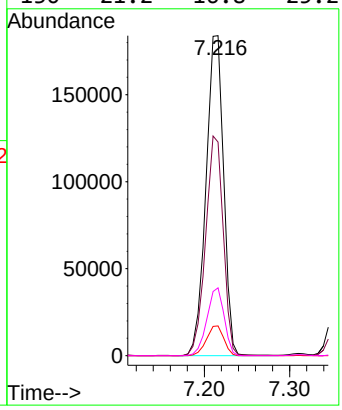


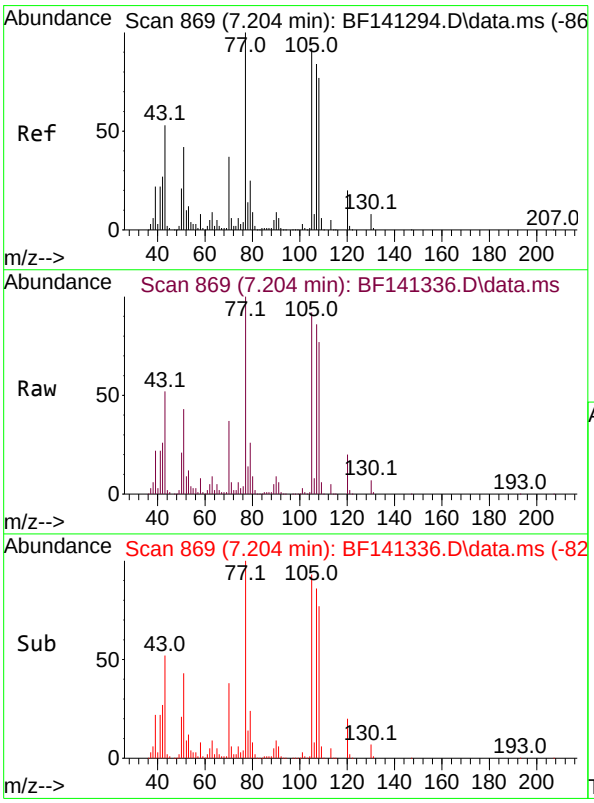
#19
n-Nitroso-di-n-propylamine
Concen: 38.424 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 264932

Ion	Ratio	Lower	Upper
70	100		
42	66.7	56.8	85.2
101	9.3	7.7	11.5
130	21.2	16.8	25.2

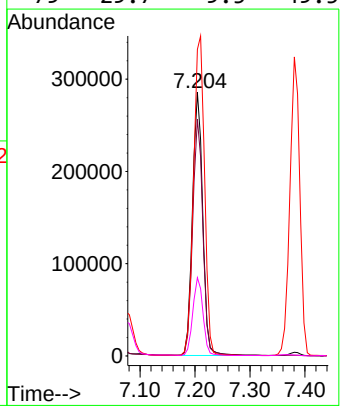


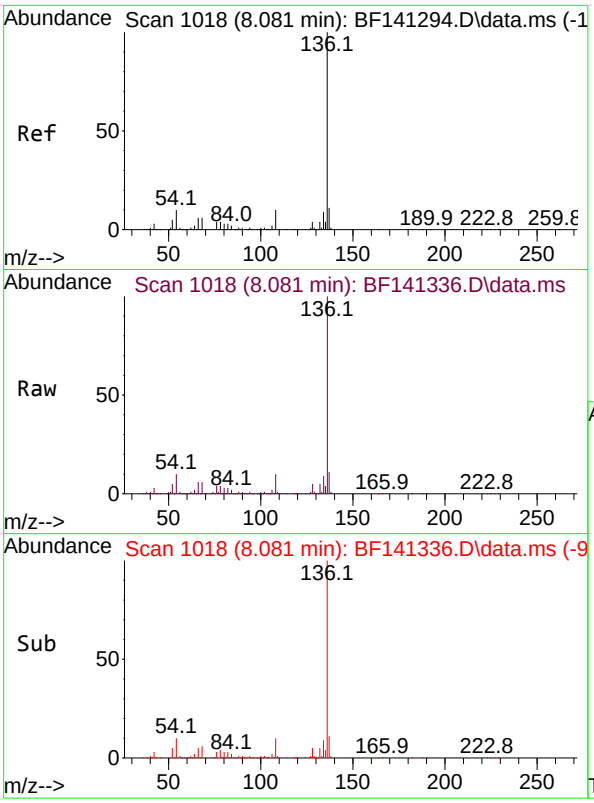


#20
3+4-Methylphenols
Concen: 37.845 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:107 Resp: 369223

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.9	110.9
77	116.3	98.5	138.5
79	29.7	9.5	49.5



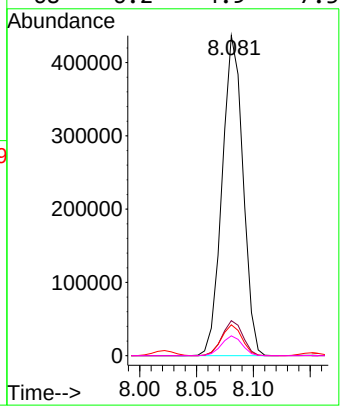


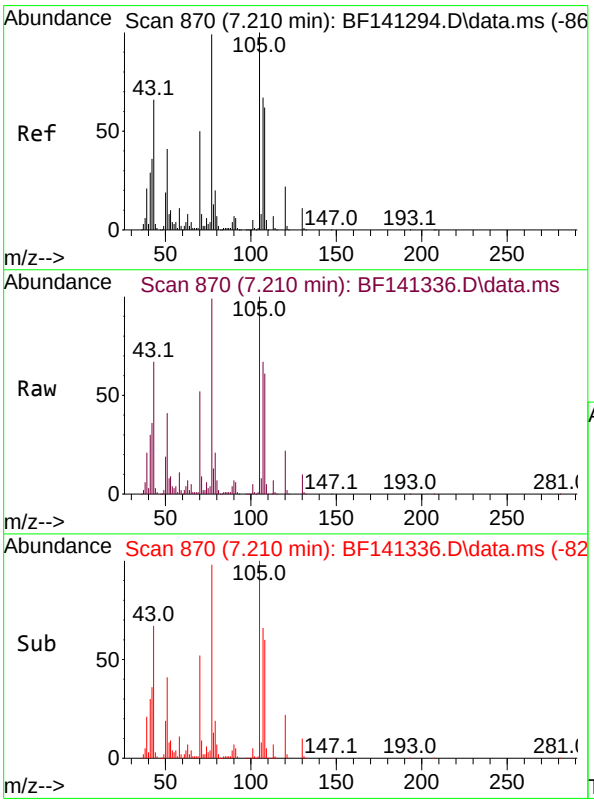
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 558386

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	7.8	11.8
68	6.2	4.9	7.3

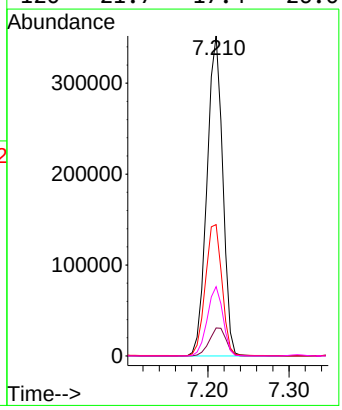


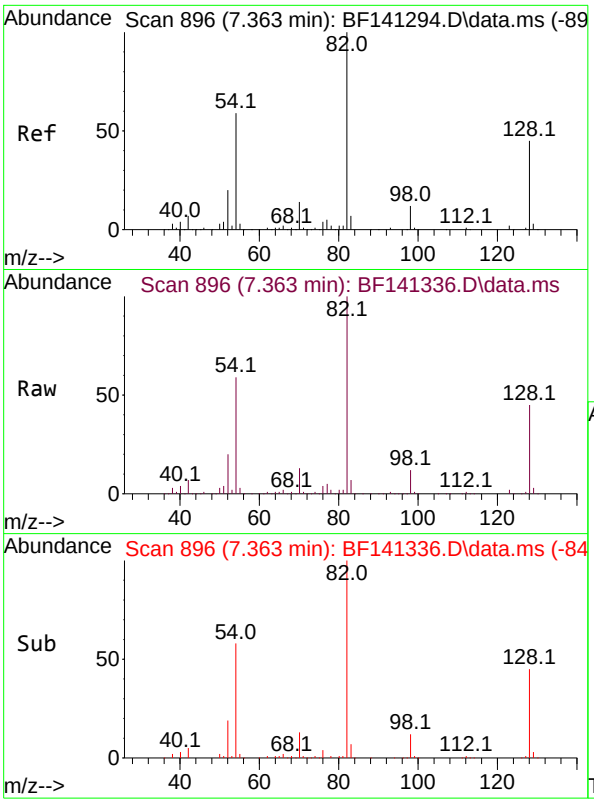


#22
Acetophenone
Concen: 35.678 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:105 Resp: 473548

Ion	Ratio	Lower	Upper
105	100		
71	8.7	6.8	10.2
51	41.1	32.6	49.0
120	21.7	17.4	26.0



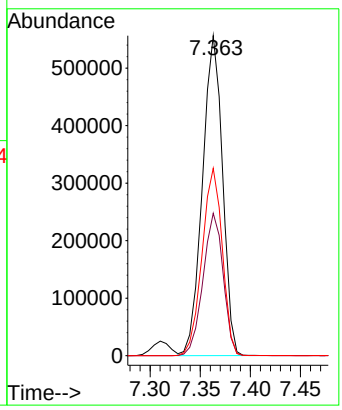


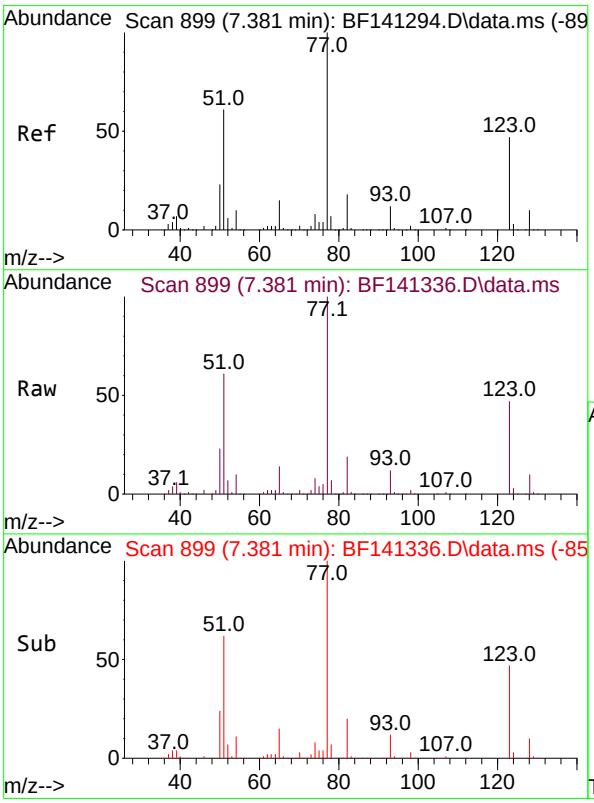
#23
Nitrobenzene-d5
Concen: 73.308 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 776494

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.5	47.1	70.7

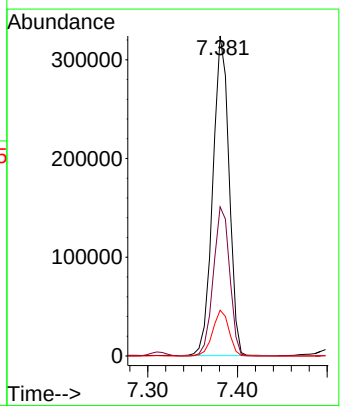


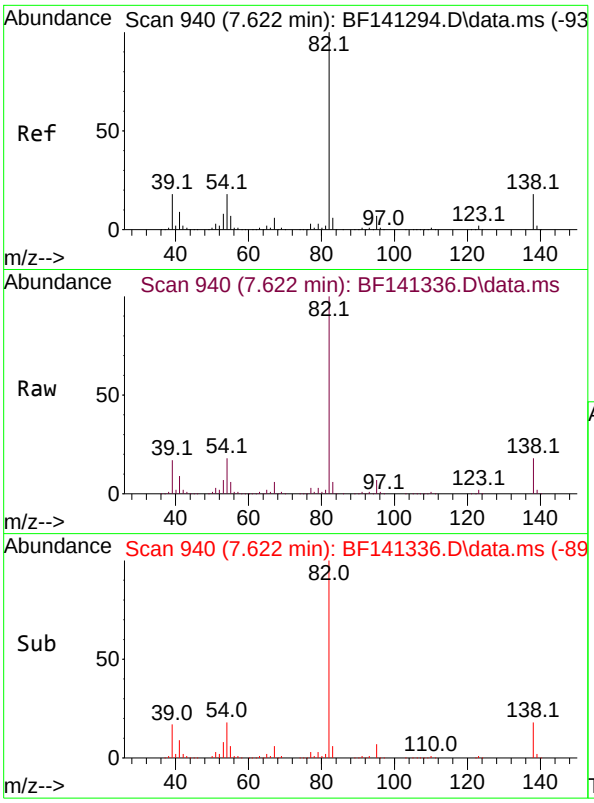


#24
Nitrobenzene
Concen: 37.116 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 77 Resp: 407415

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.3	11.8	17.6



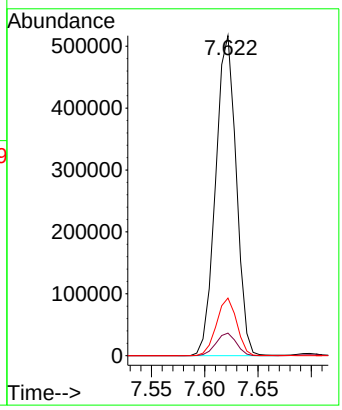


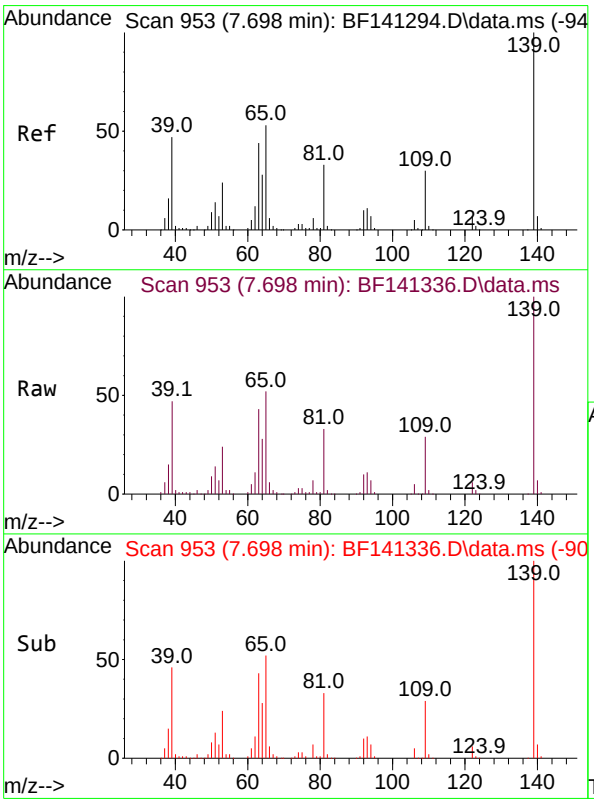
#25
Isophorone
Concen: 37.934 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 694555

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	18.0	14.7	22.1

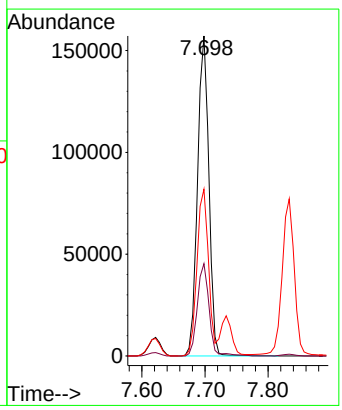


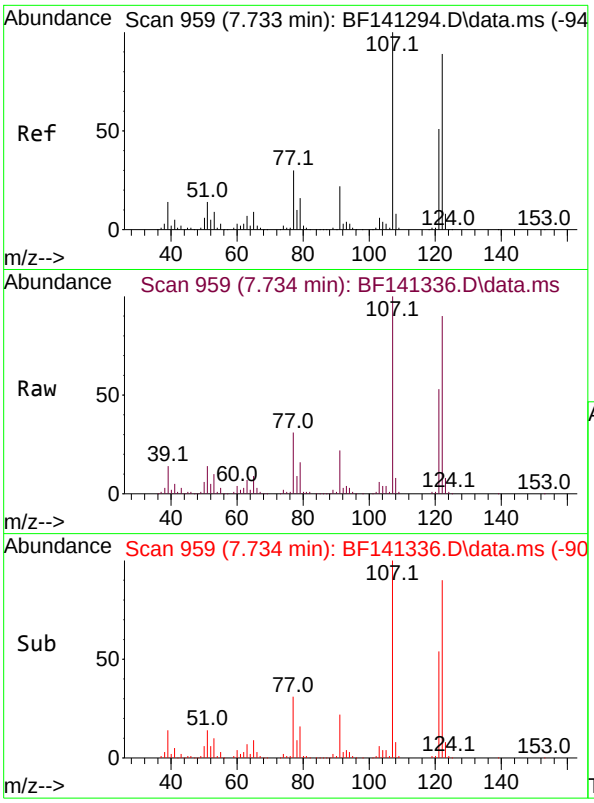


#26
2-Nitrophenol
Concen: 37.762 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:139 Resp: 195489

Ion	Ratio	Lower	Upper
139	100		
109	28.8	23.8	35.6
65	52.1	42.2	63.4



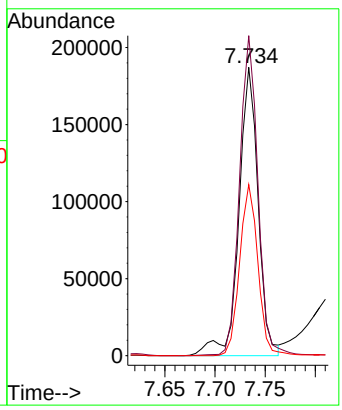


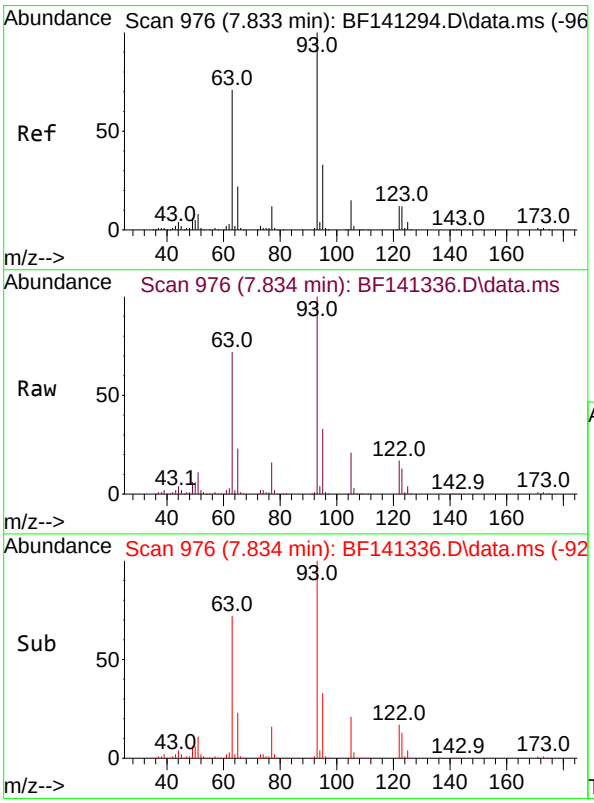
#27
2,4-Dimethylphenol
Concen: 37.999 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 250385

Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.9	134.9
121	59.4	46.1	69.1

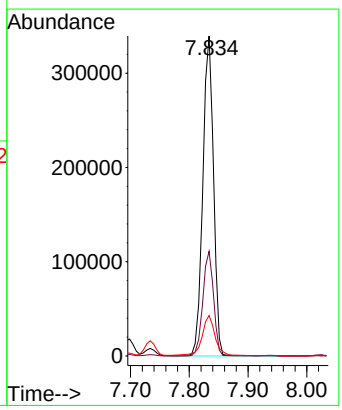


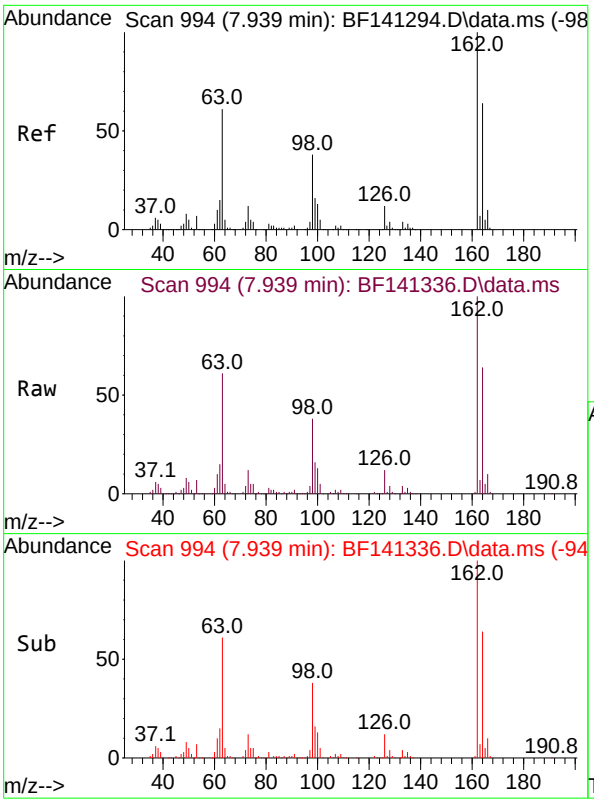


#28
bis(2-Chloroethoxy)methane
Concen: 36.955 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 431598

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.6	10.2	15.4



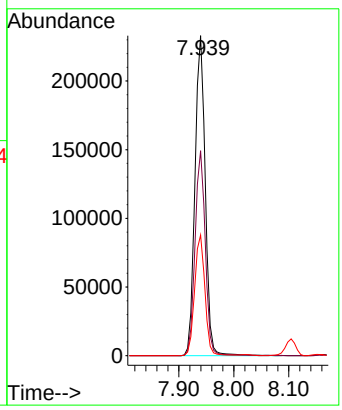


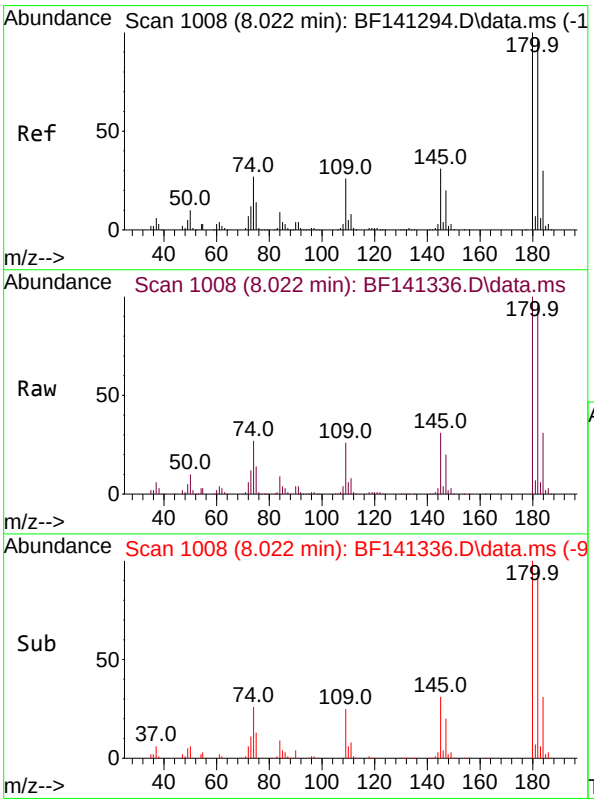
#29
2,4-Dichlorophenol
Concen: 37.608 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 303375

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.2	84.2
98	37.7	18.2	58.2

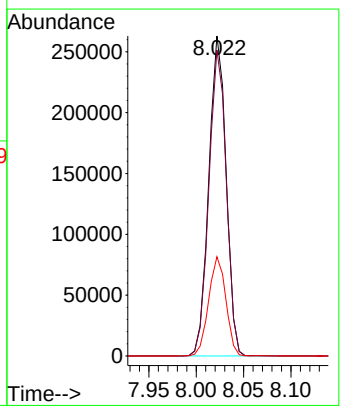


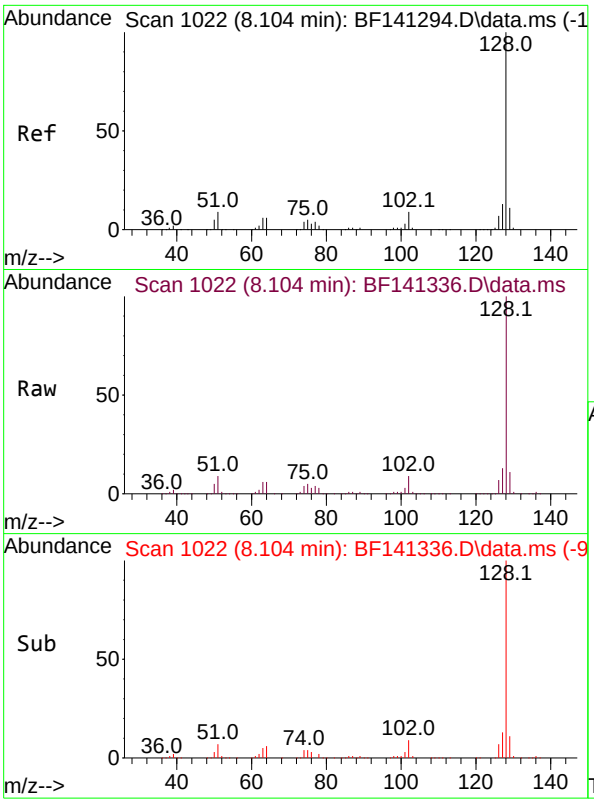


#30
1,2,4-Trichlorobenzene
Concen: 36.214 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:180 Resp: 333619

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.0	24.9	37.3



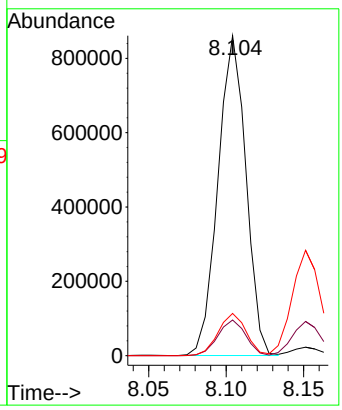


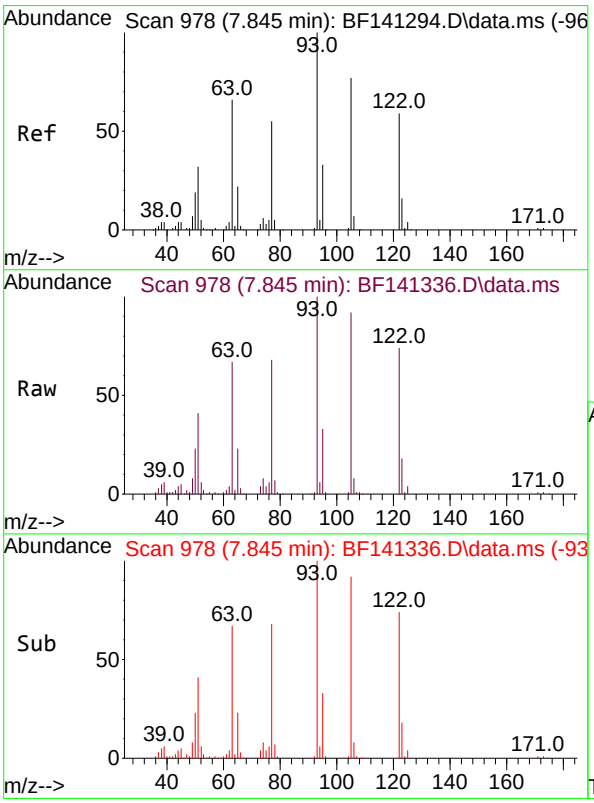
#31
Naphthalene
Concen: 36.561 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1078465

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8

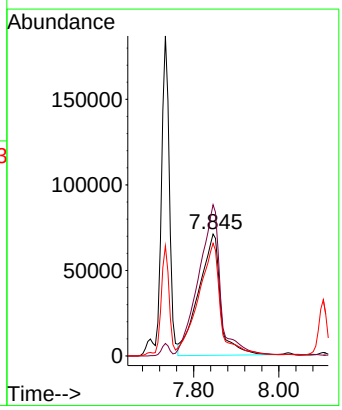


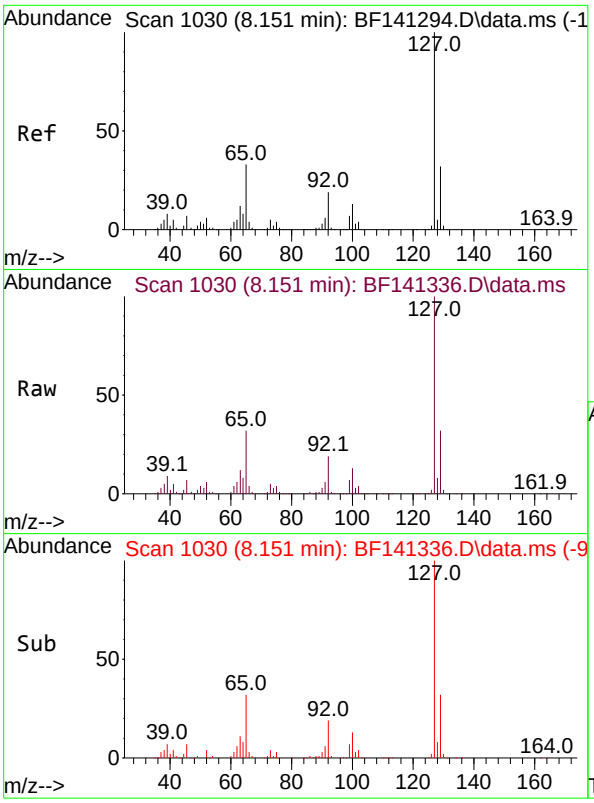


#32
Benzoic acid
Concen: 41.698 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:122 Resp: 252577

Ion	Ratio	Lower	Upper
122	100		
105	124.1	103.4	143.4
77	92.4	70.9	110.9



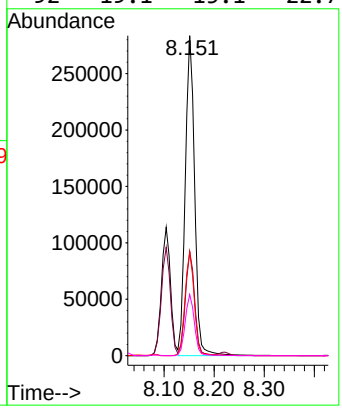


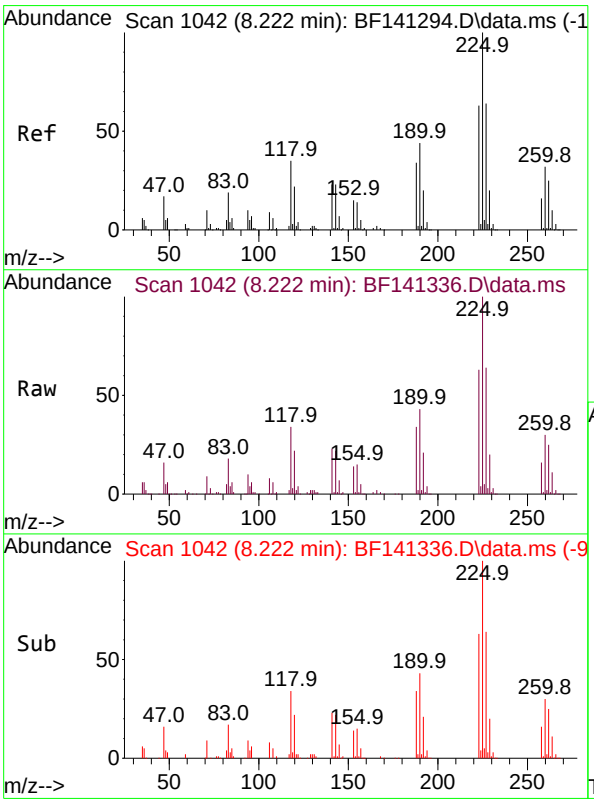
#33
4-Chloroaniline
Concen: 36.719 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 367291

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.7	38.5
65	32.4	26.4	39.6
92	19.1	15.1	22.7

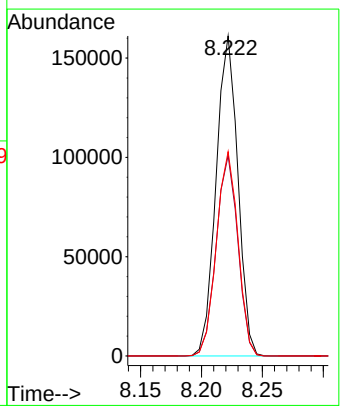


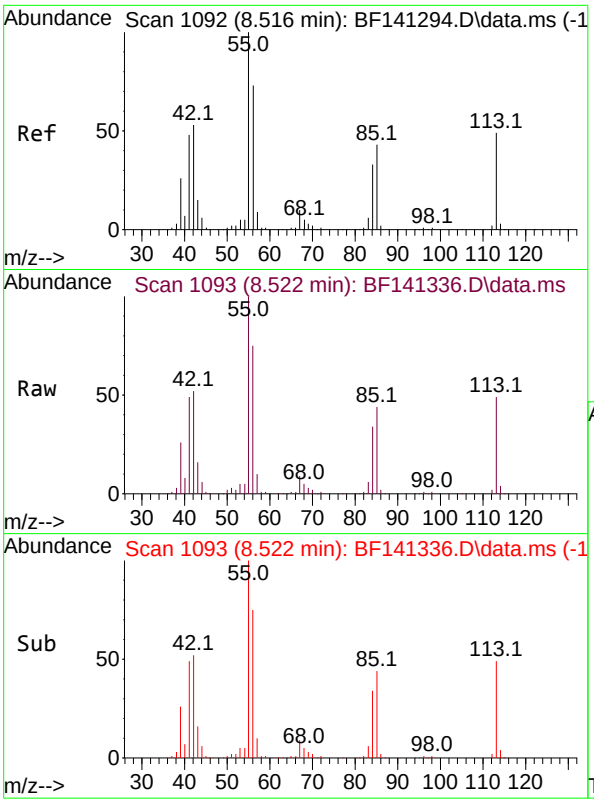


#34
Hexachlorobutadiene
Concen: 37.021 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:225 Resp: 200005

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.4	75.6
227	63.9	51.3	76.9



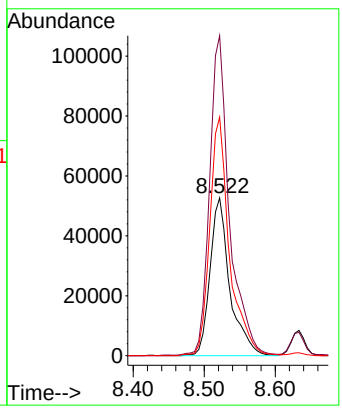


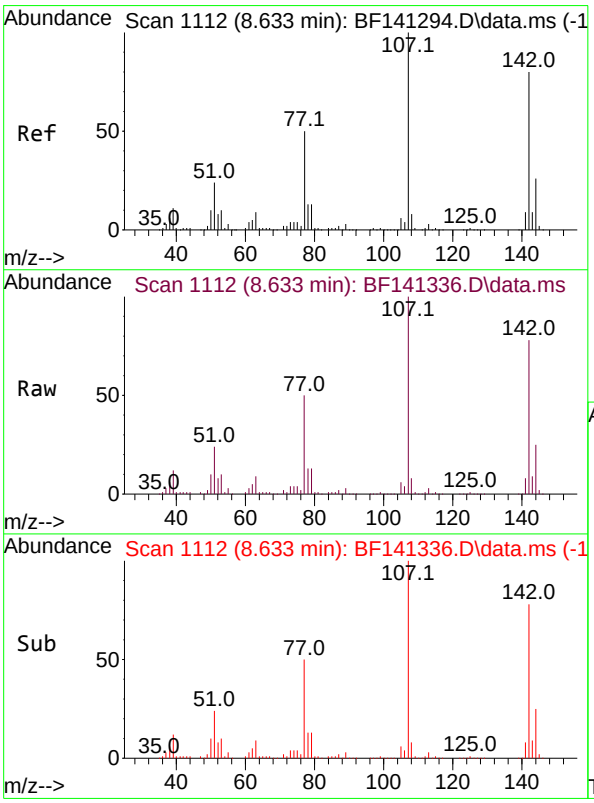
#35
Caprolactam
Concen: 38.705 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 101967

Ion	Ratio	Lower	Upper
113	100		
55	202.8	182.9	222.9
56	151.1	127.9	167.9

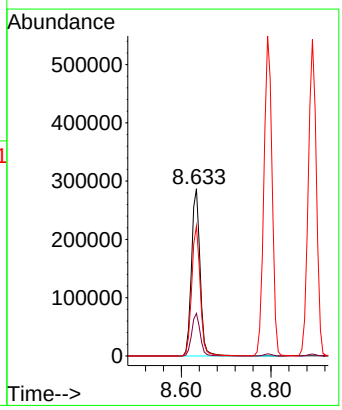


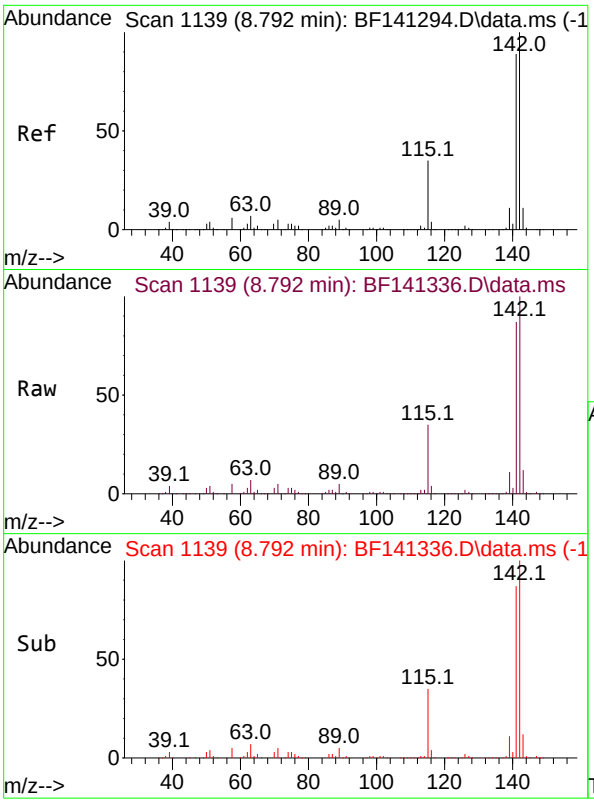


#36
4-Chloro-3-methylphenol
Concen: 43.991 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:107 Resp: 380639

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.7	31.1
142	77.7	63.8	95.8



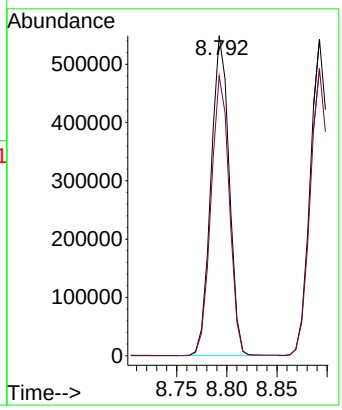


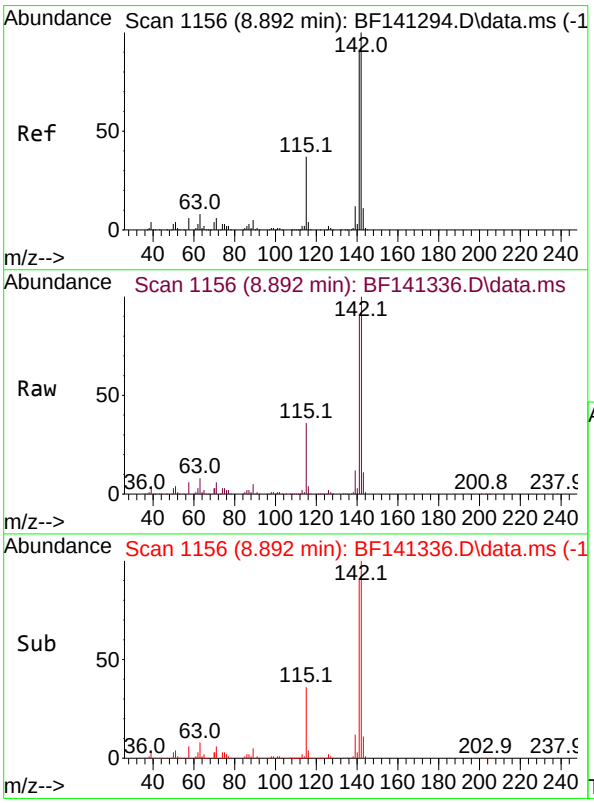
#37
2-Methylnaphthalene
Concen: 36.818 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 690288

Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.3	106.9

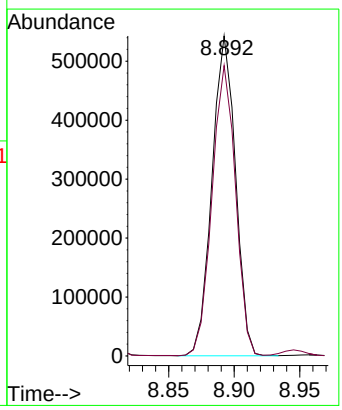


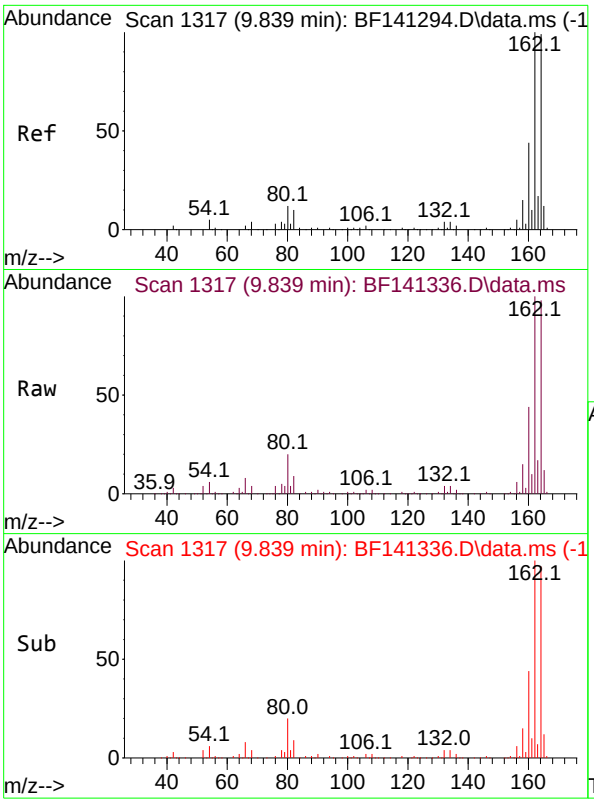


#38
1-Methylnaphthalene
Concen: 36.681 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:142 Resp: 675547

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.2	109.8



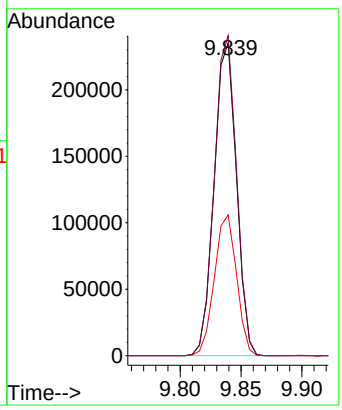


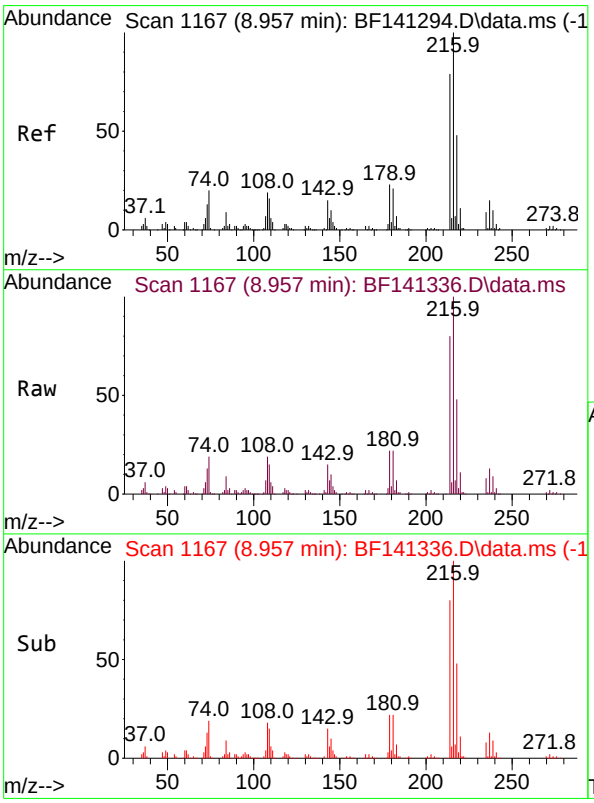
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 299701

Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	121.0
160	45.0	35.8	53.6

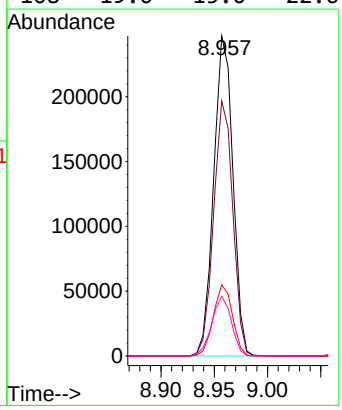


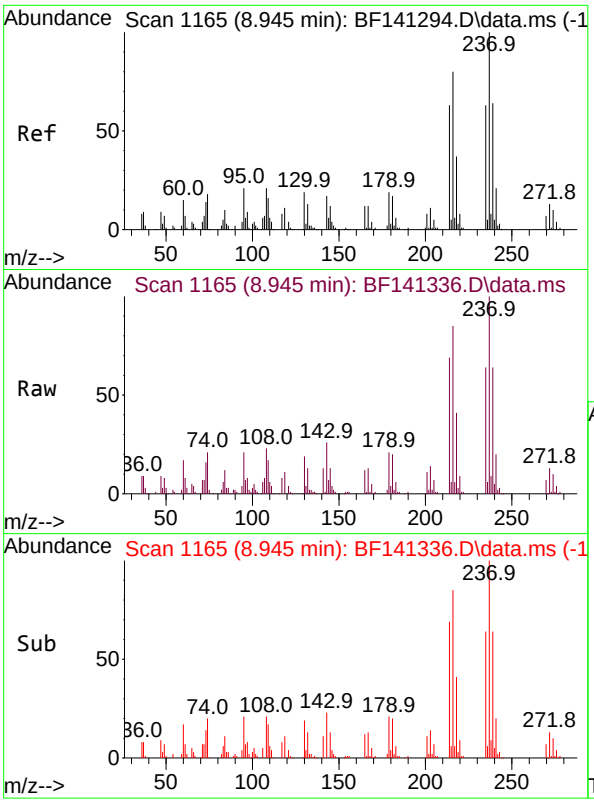


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.224 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:216 Resp: 308854

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.2	94.8
179	22.0	17.8	26.8
108	19.0	15.0	22.6



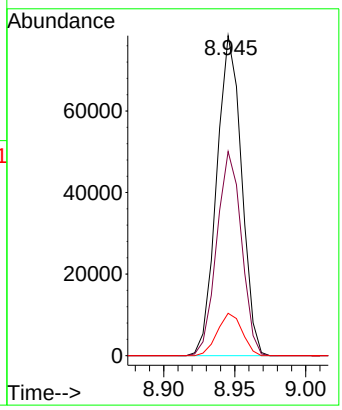


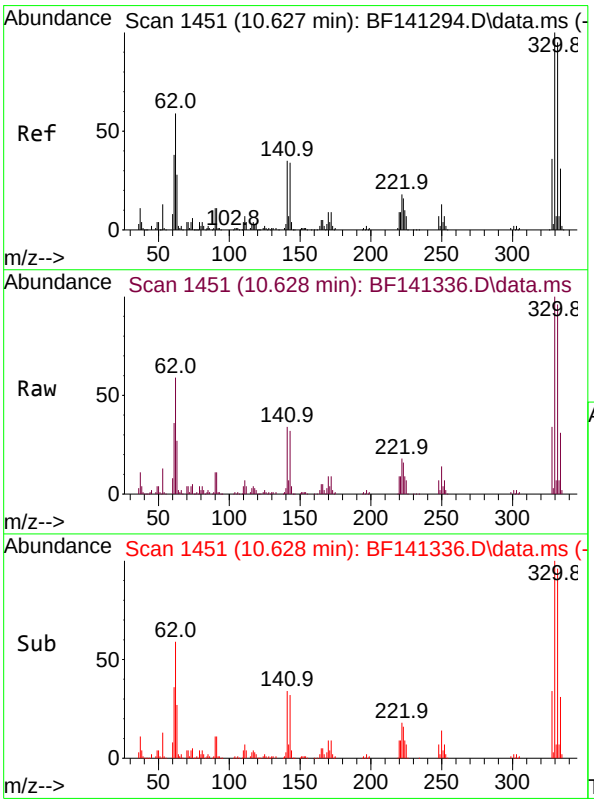
#41
Hexachlorocyclopentadiene
Concen: 37.949 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 95556

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.9	82.9
272	13.2	0.0	32.8

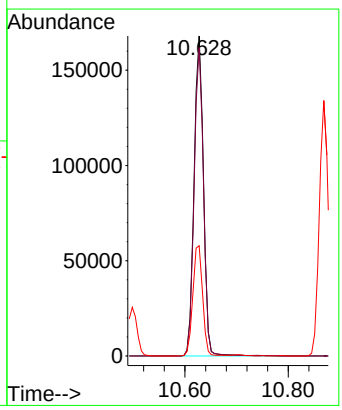


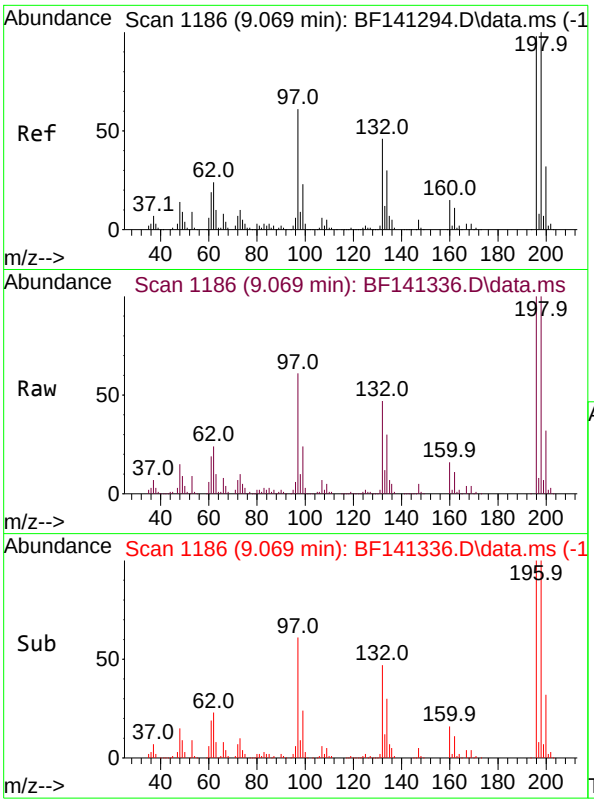


#42
2,4,6-Tribromophenol
Concen: 77.122 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:330 Resp: 211897

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.1	114.1
141	35.9	28.8	43.2



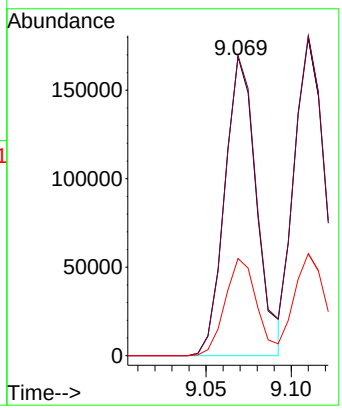


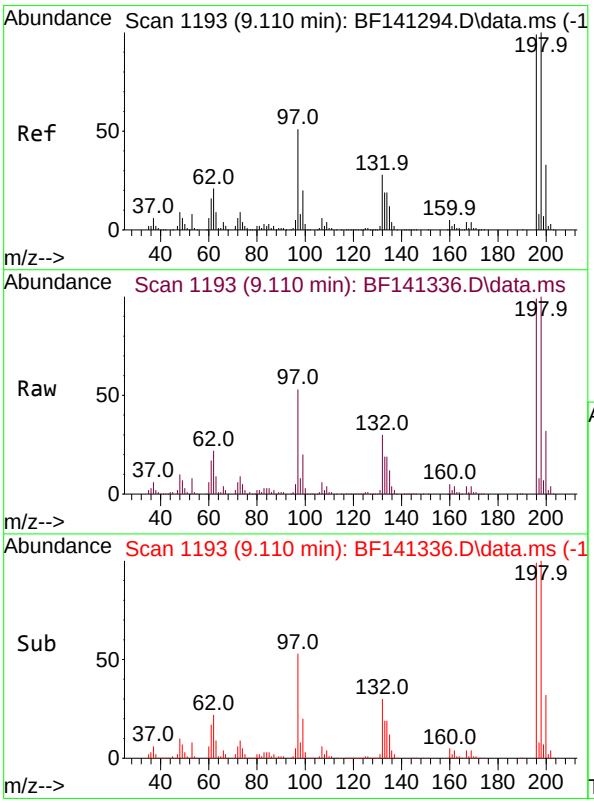
#43
2,4,6-Trichlorophenol
Concen: 39.199 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 218757

Ion	Ratio	Lower	Upper
196	100		
198	100.5	81.8	122.6
200	32.5	26.3	39.5

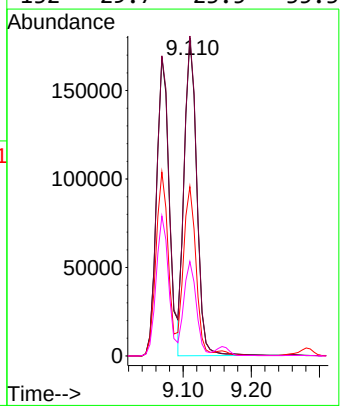


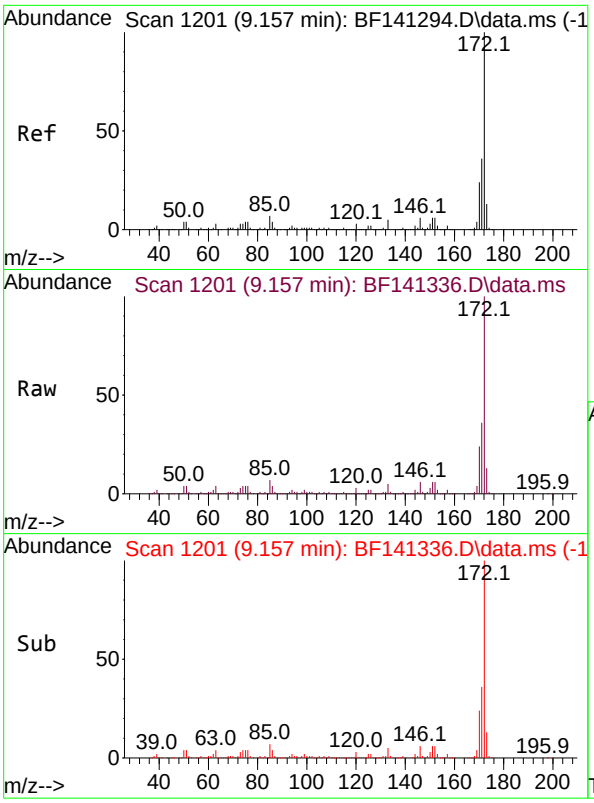


#44
2,4,5-Trichlorophenol
Concen: 37.608 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:196 Resp: 228427

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.5	120.7
97	53.3	42.8	64.2
132	29.7	23.5	35.3



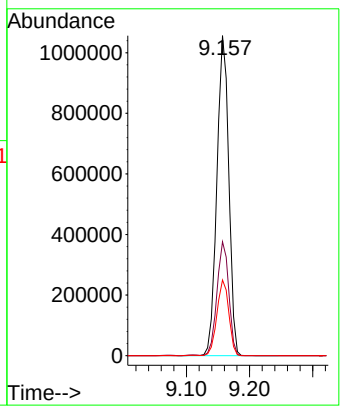


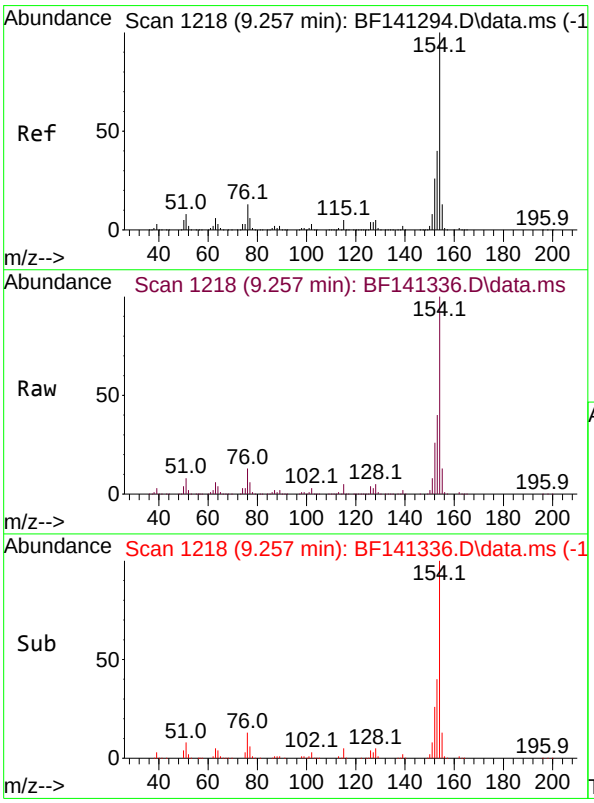
#45
2-Fluorobiphenyl
Concen: 70.690 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1376427

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	23.7	19.0	28.6

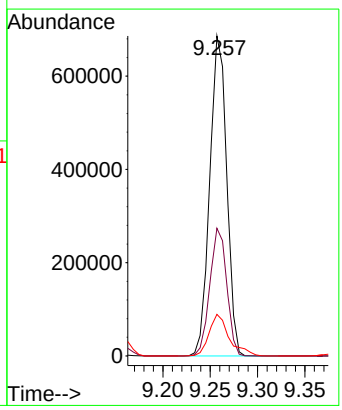


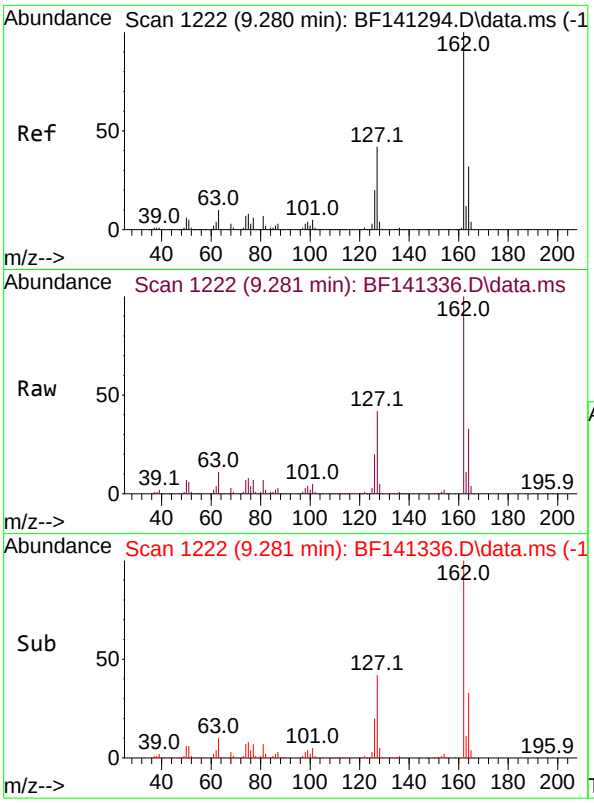


#46
1,1'-Biphenyl
Concen: 36.585 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:154 Resp: 855111

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.0	60.0
76	13.0	0.0	32.8



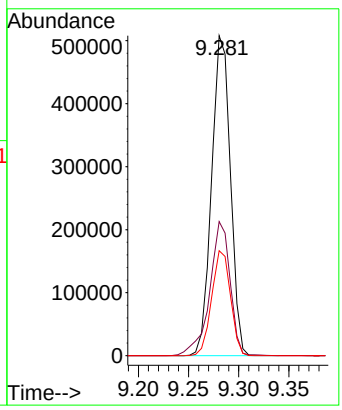


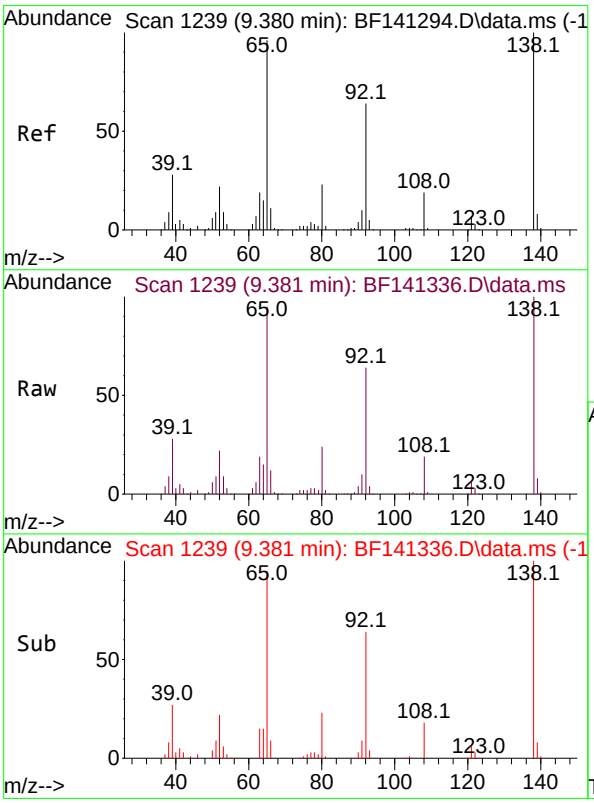
#47
2-Chloronaphthalene
Concen: 36.251 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 660426

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.7	50.5
164	32.8	25.9	38.9

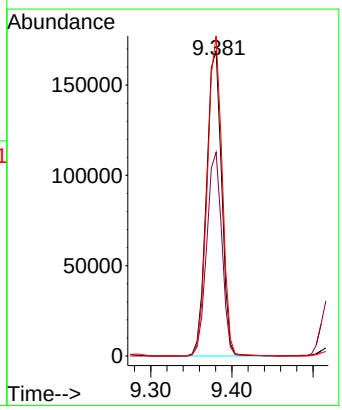


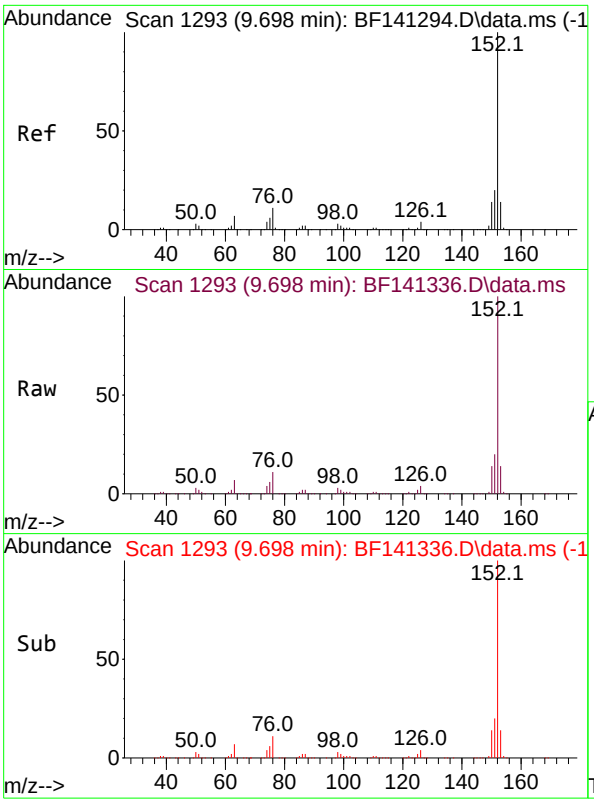


#48
2-Nitroaniline
Concen: 38.330 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 65 Resp: 219643

Ion	Ratio	Lower	Upper
65	100		
92	66.8	53.3	79.9
138	104.9	83.6	125.4



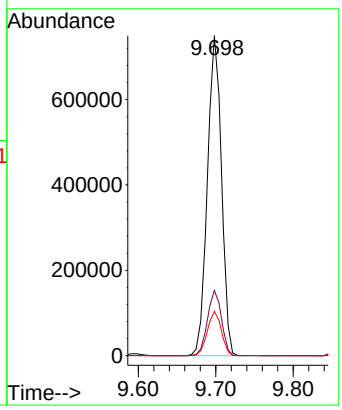


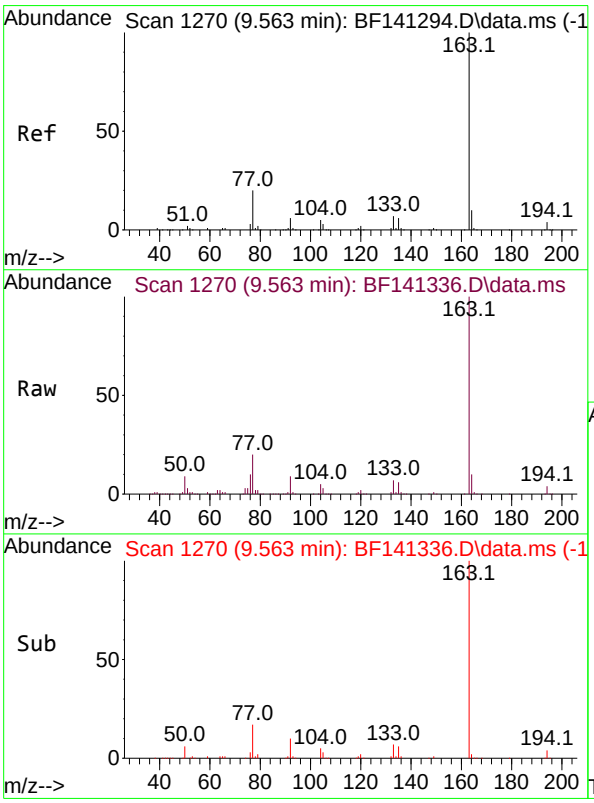
#49
Acenaphthylene
Concen: 37.073 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 945423

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.9	11.0	16.6

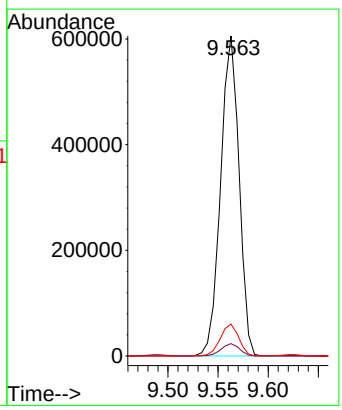


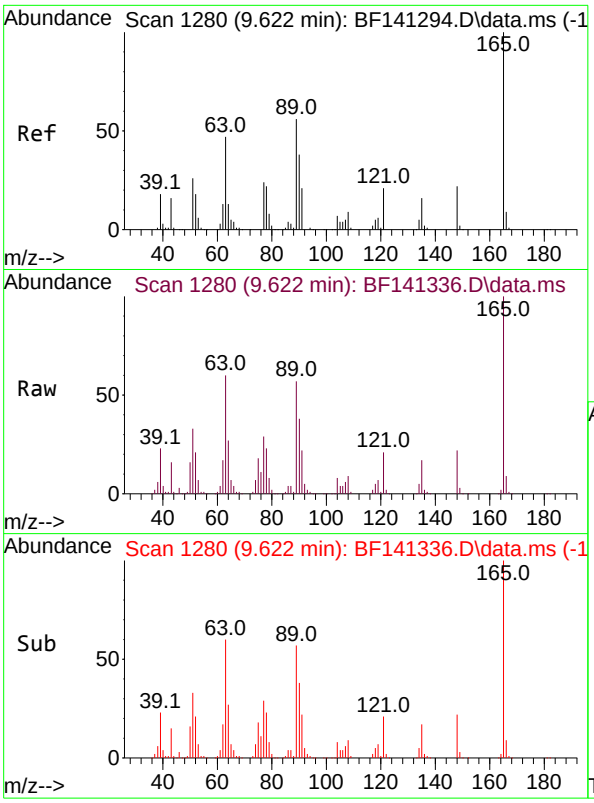


#50
Dimethylphthalate
Concen: 38.200 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:163 Resp: 773243

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.9	8.0	12.0



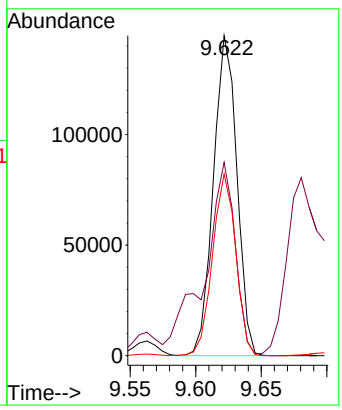


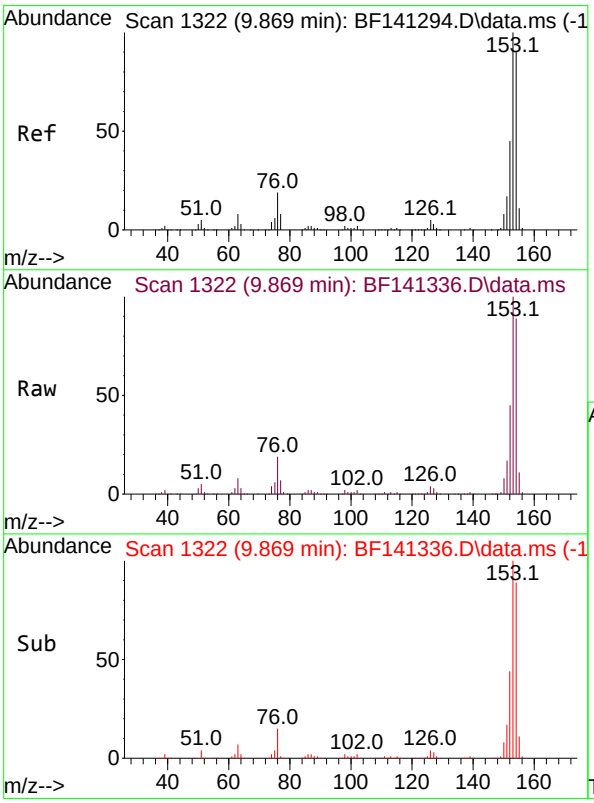
#51
2,6-Dinitrotoluene
Concen: 38.268 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 179857

Ion	Ratio	Lower	Upper
165	100		
63	60.4	48.1	72.1
89	56.7	44.9	67.3

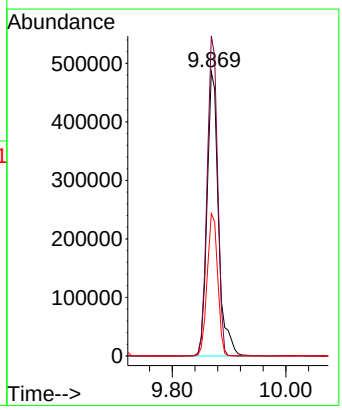


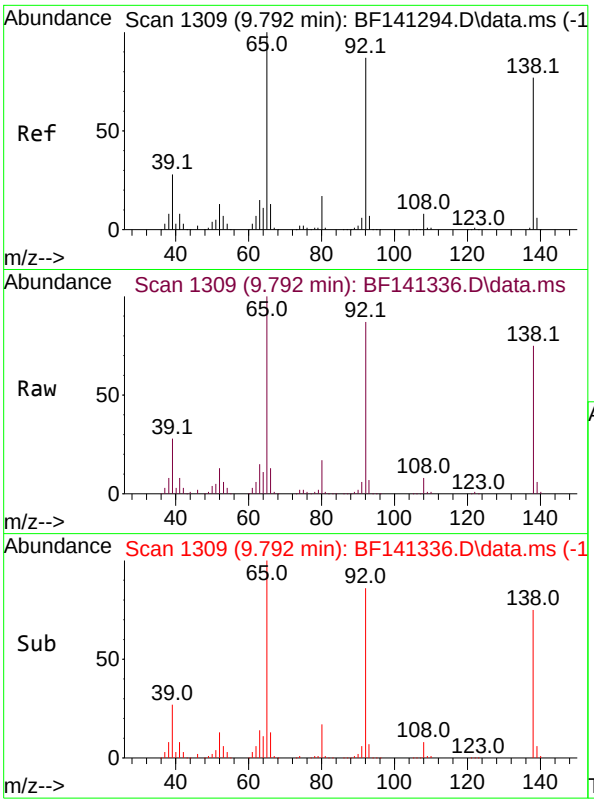


#52
Acenaphthene
Concen: 37.066 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:154 Resp: 675302

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.0	133.4
152	50.1	40.2	60.4



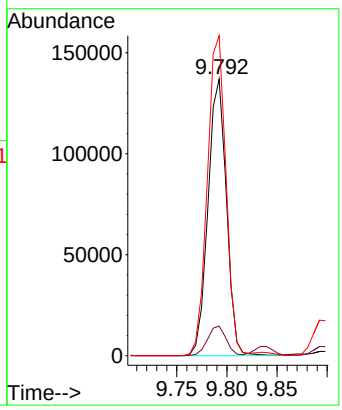


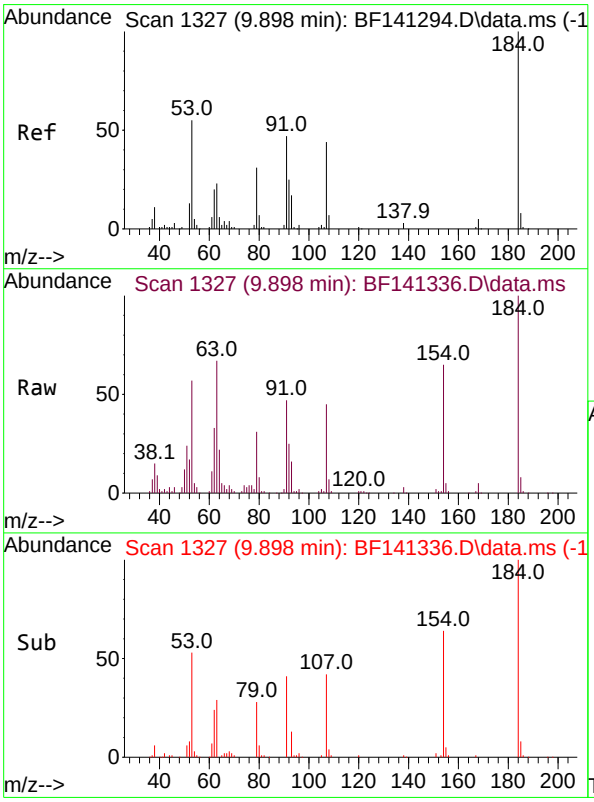
#53
3-Nitroaniline
Concen: 37.936 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 174746

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.7	91.0	136.6

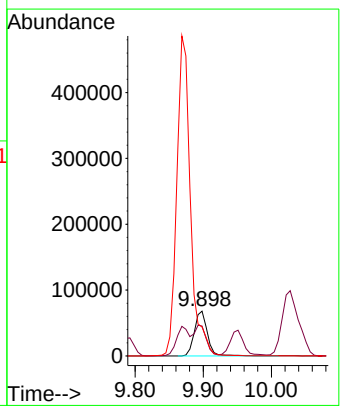


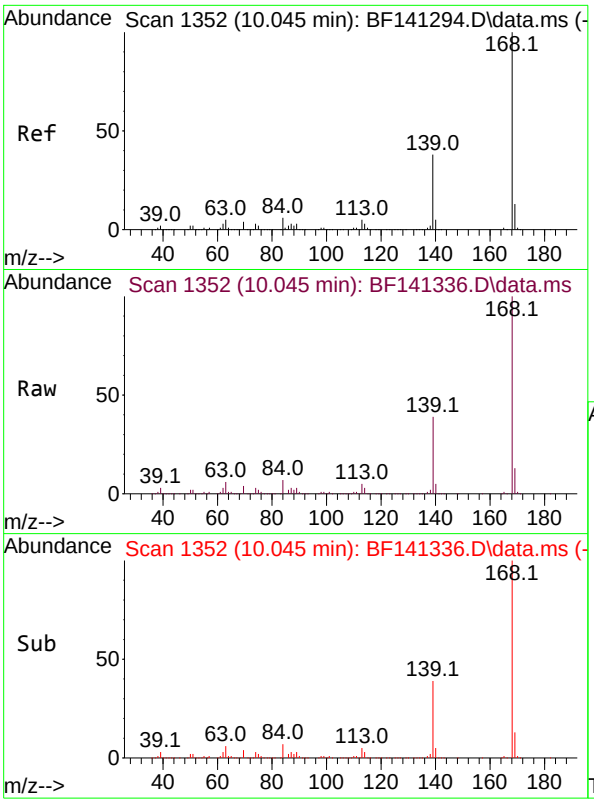


#54
2,4-Dinitrophenol
Concen: 41.270 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:184 Resp: 90166

Ion	Ratio	Lower	Upper
184	100		
63	66.5	54.1	81.1
154	64.7	50.7	76.1



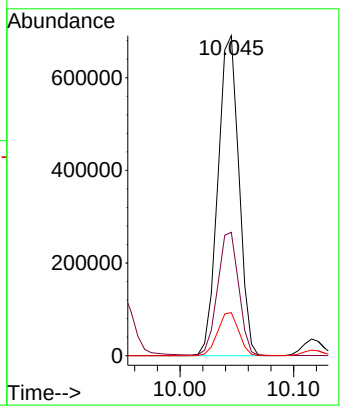


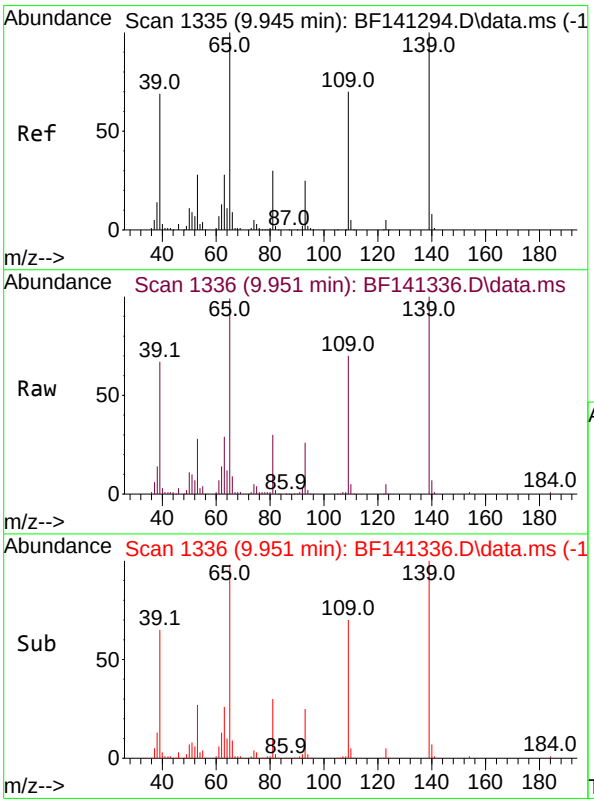
#55
Dibenzofuran
Concen: 36.395 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 887550

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.6	46.0
169	13.4	10.8	16.2

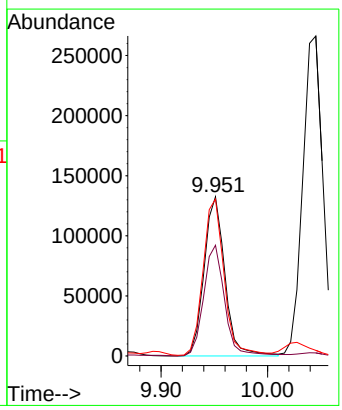


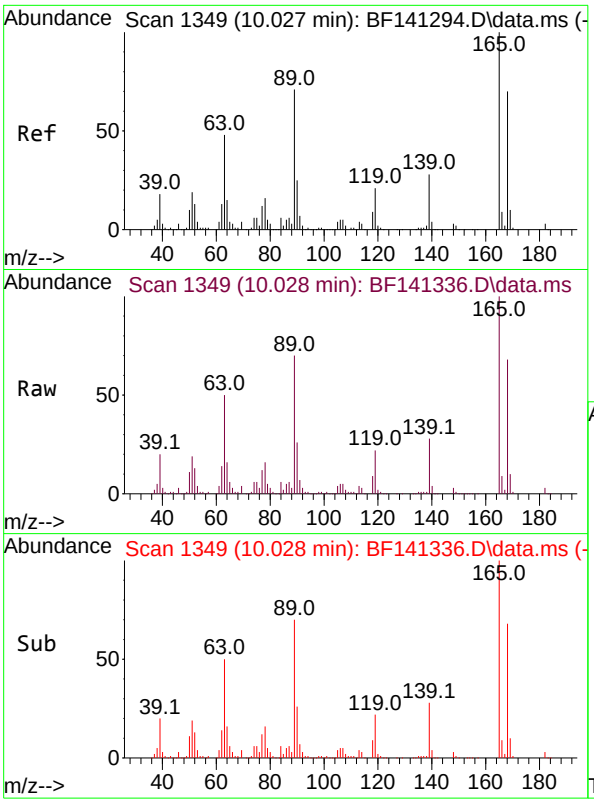


#56
4-Nitrophenol
Concen: 53.378 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:139 Resp: 179822

Ion	Ratio	Lower	Upper
139	100		
109	69.6	50.2	90.2
65	98.6	80.6	120.6



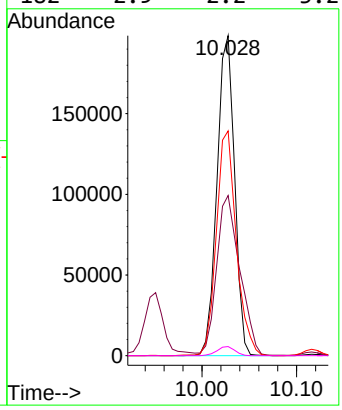


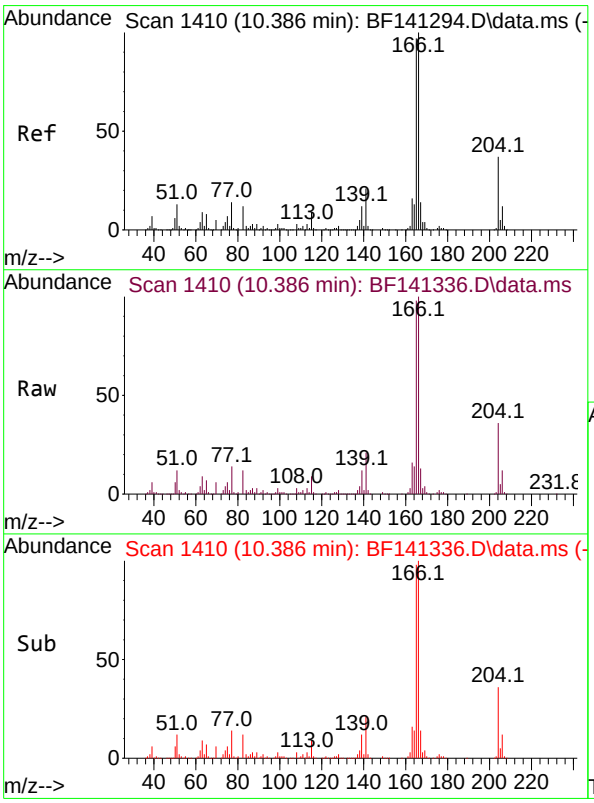
#57
2,4-Dinitrotoluene
Concen: 42.014 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 255655

Ion	Ratio	Lower	Upper
165	100		
63	50.0	39.2	58.8
89	70.2	56.9	85.3
182	2.9	2.2	3.2

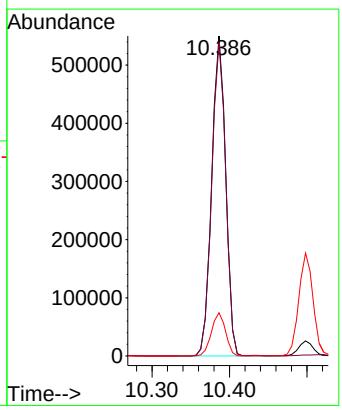


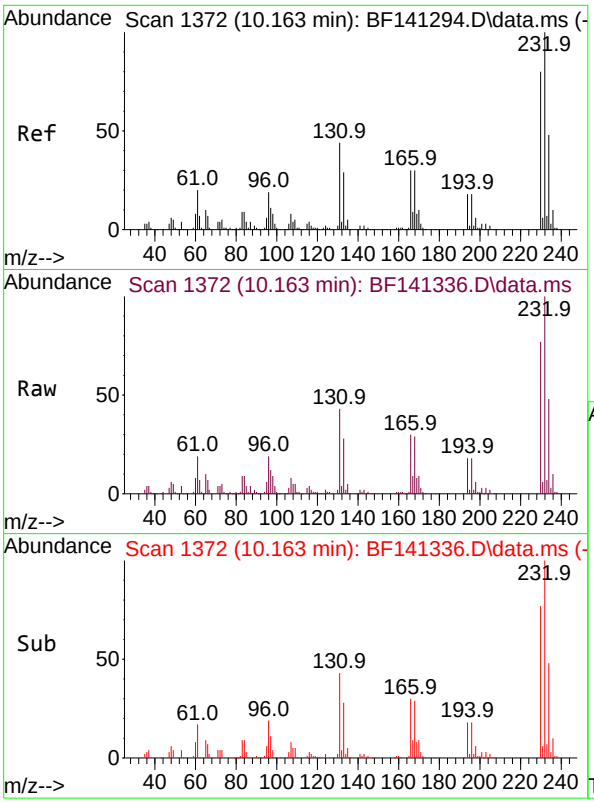


#58
Fluorene
Concen: 36.485 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:166 Resp: 690153

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.5	116.3
167	13.5	10.9	16.3



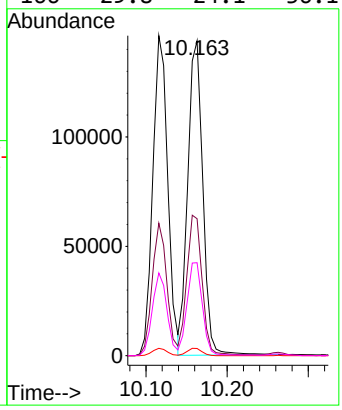


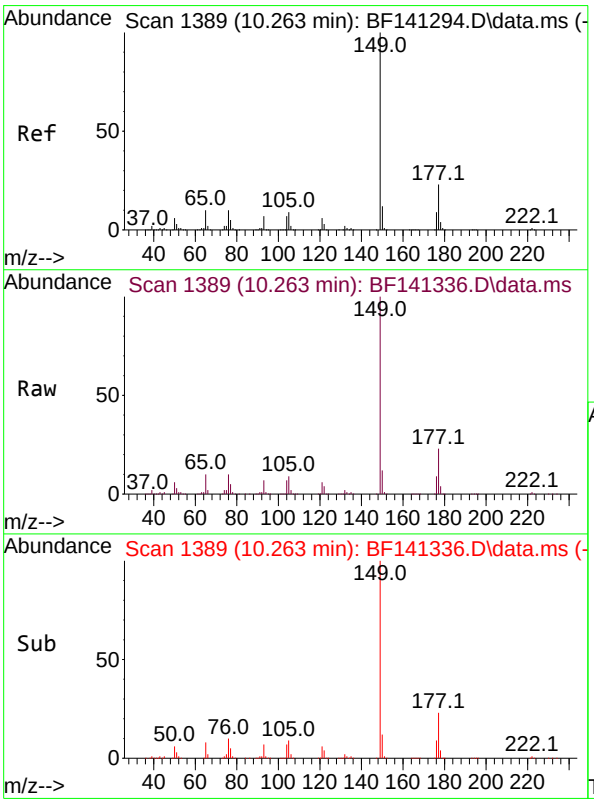
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.903 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 185895

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.4	54.6
130	2.3	1.9	2.9
166	29.8	24.1	36.1

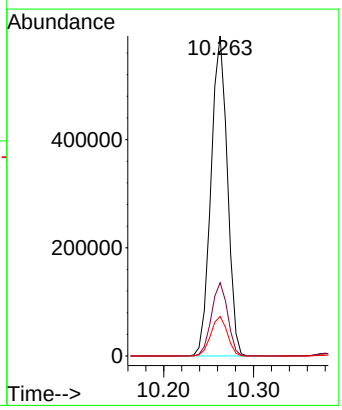


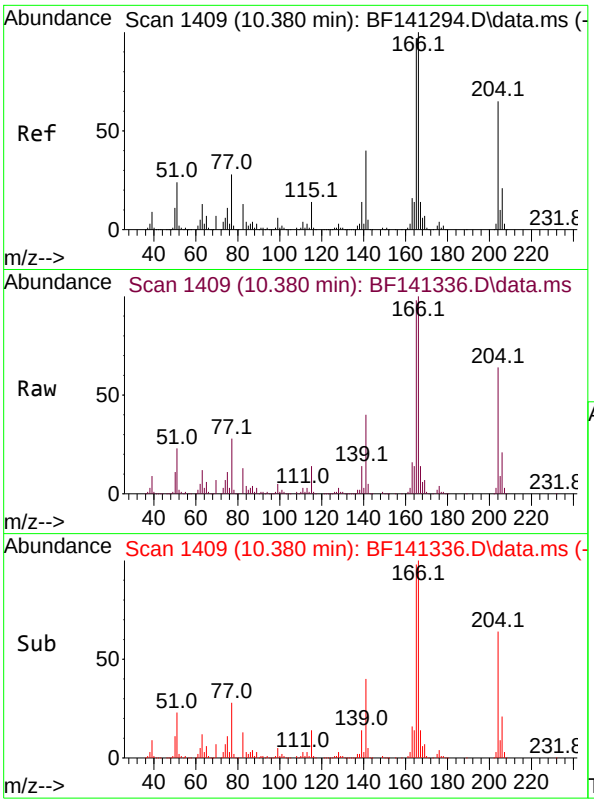


#60
Diethylphthalate
Concen: 38.140 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 748552

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.4	10.0	15.0



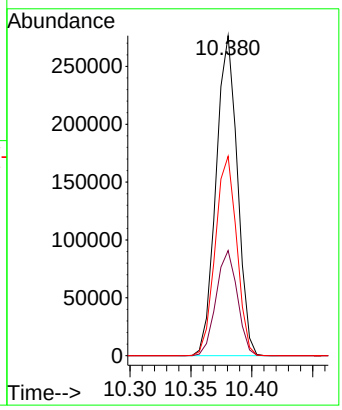


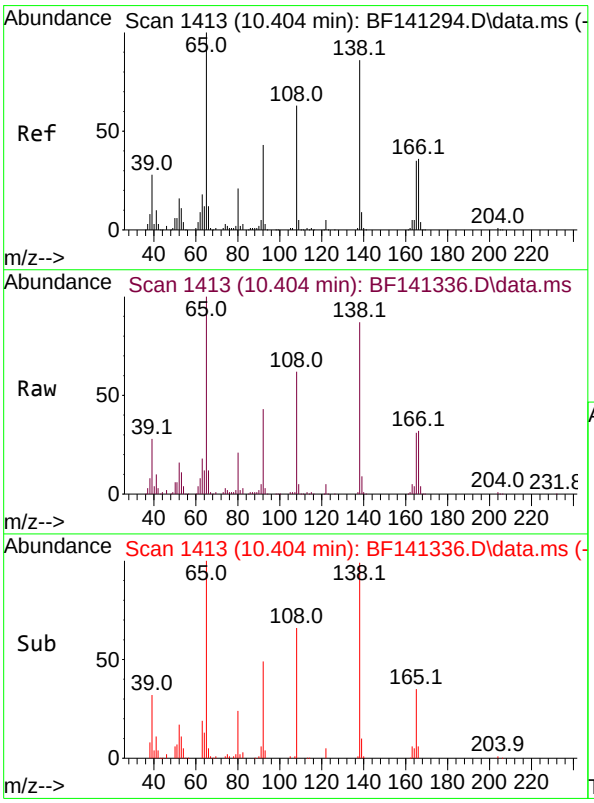
#61
4-Chlorophenyl-phenylether
Concen: 36.458 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 336871

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.9	38.9
141	62.3	49.5	74.3

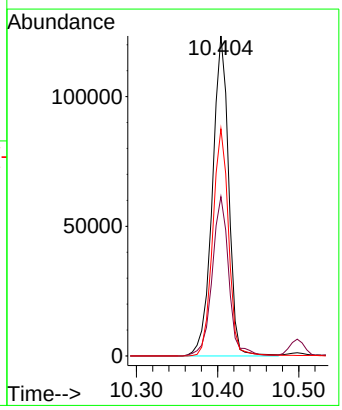


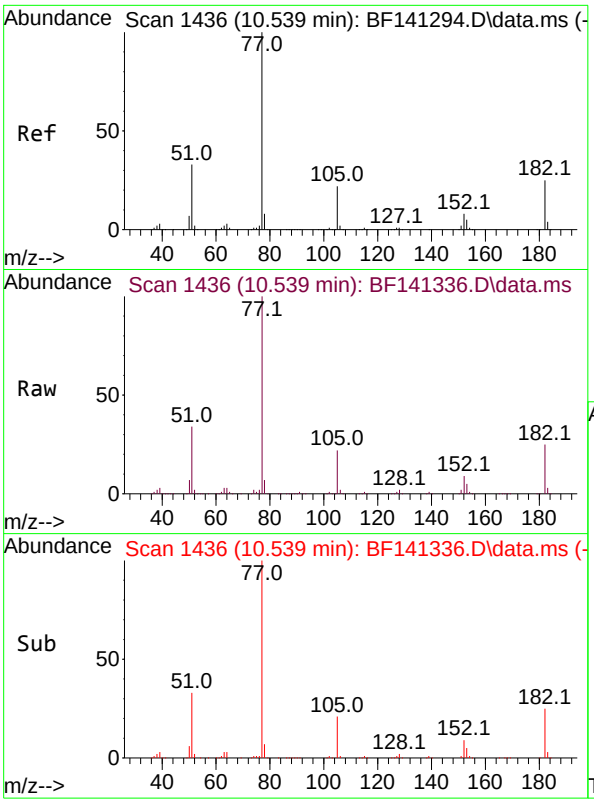


#62
4-Nitroaniline
Concen: 38.063 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:138 Resp: 172379

Ion	Ratio	Lower	Upper
138	100		
92	49.8	30.1	70.1
108	71.0	53.1	93.1



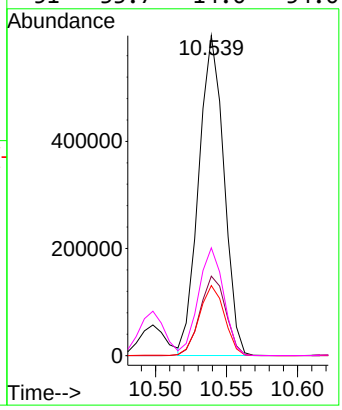


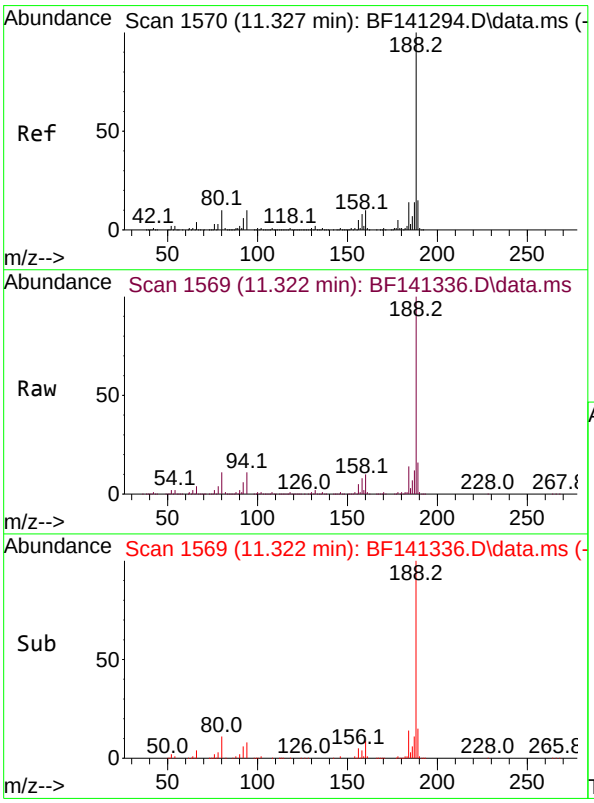
#63
Azobenzene
Concen: 37.573 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 738145

Ion	Ratio	Lower	Upper
77	100		
182	24.8	5.1	45.1
105	21.9	1.8	41.8
51	33.7	14.0	54.0

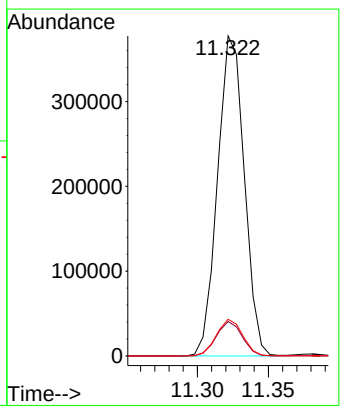


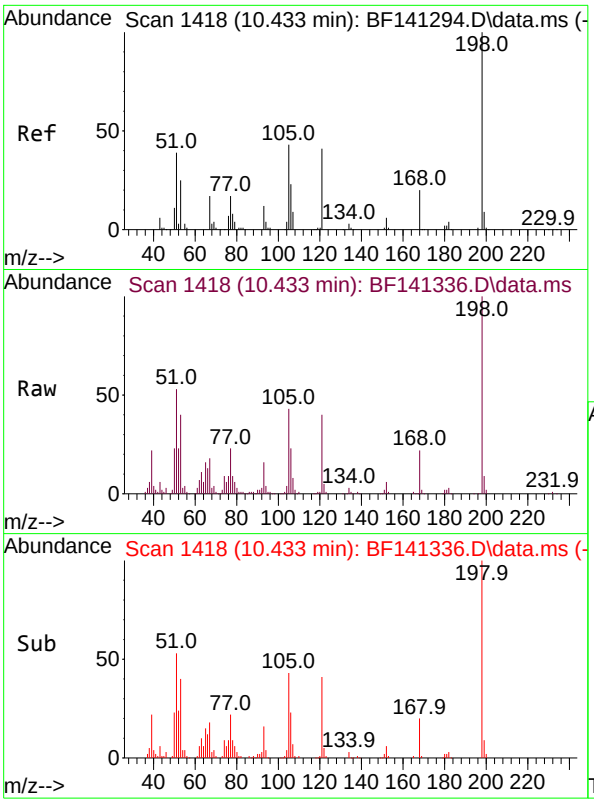


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:188 Resp: 493954

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.5	8.2	12.4



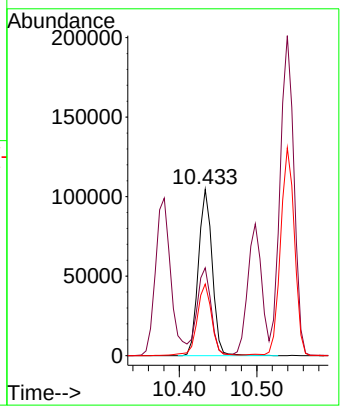


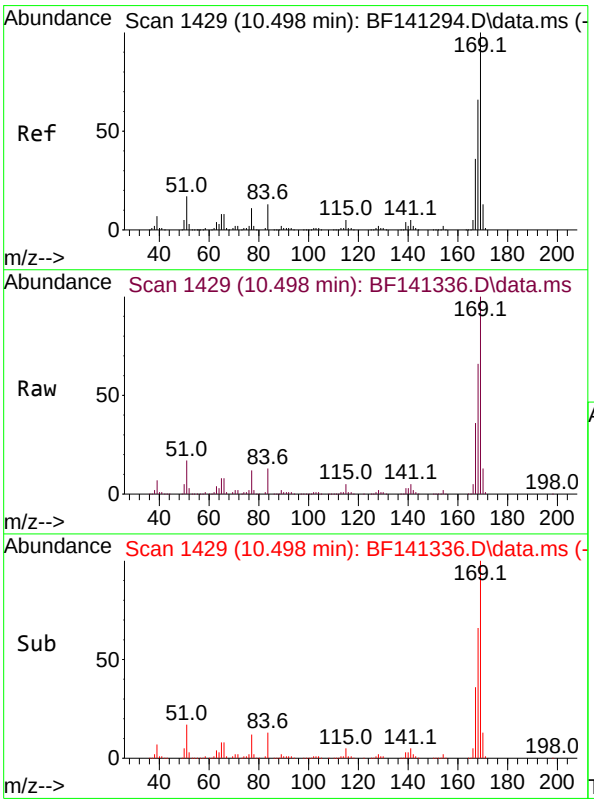
#65
4,6-Dinitro-2-methylphenol
Concen: 44.270 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 129346

Ion	Ratio	Lower	Upper
198	100		
51	52.8	33.4	73.4
105	43.1	24.4	64.4

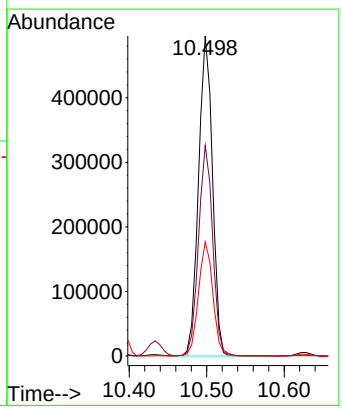


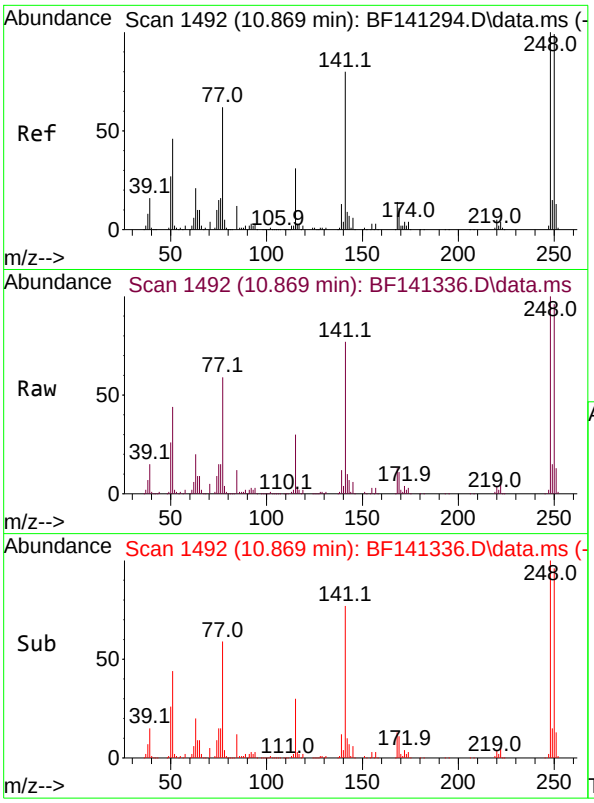


#66
n-Nitrosodiphenylamine
Concen: 38.751 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:169 Resp: 619094

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.4
167	35.7	28.8	43.2



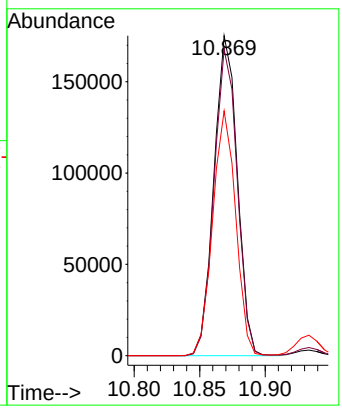


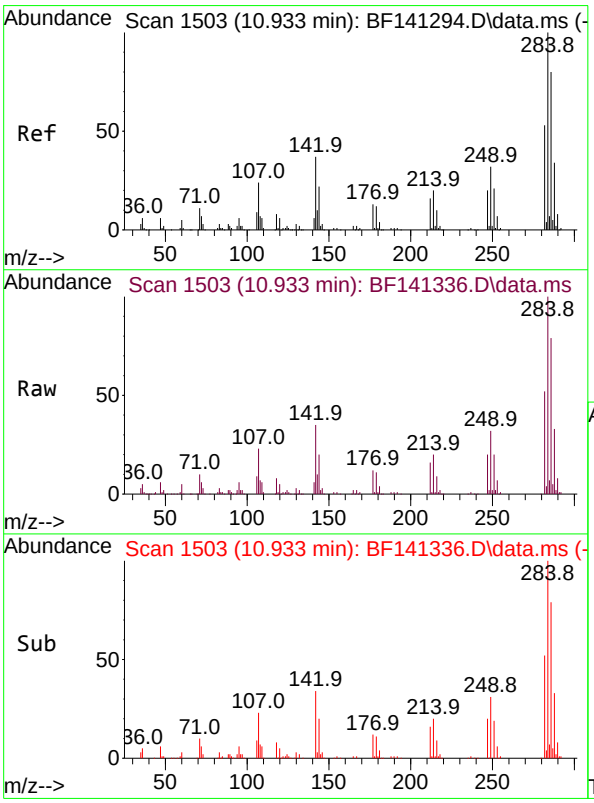
#67
4-Bromophenyl-phenylether
Concen: 39.236 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 216973

Ion	Ratio	Lower	Upper
248	100		
250	95.7	79.0	118.4
141	76.5	63.7	95.5

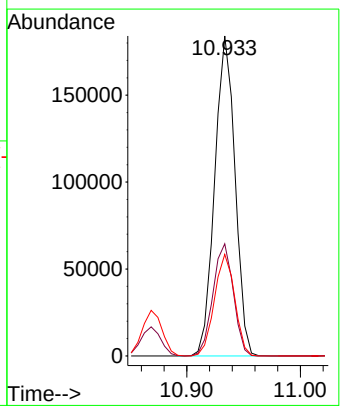


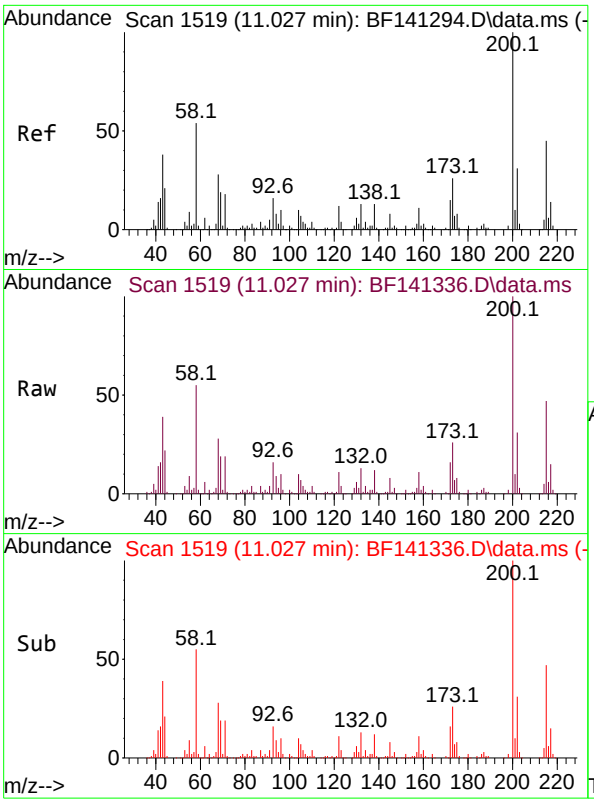


#68
Hexachlorobenzene
Concen: 38.991 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:284 Resp: 228716

Ion	Ratio	Lower	Upper
284	100		
142	35.1	29.5	44.3
249	31.7	25.4	38.2



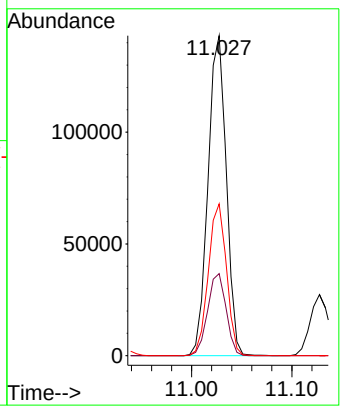


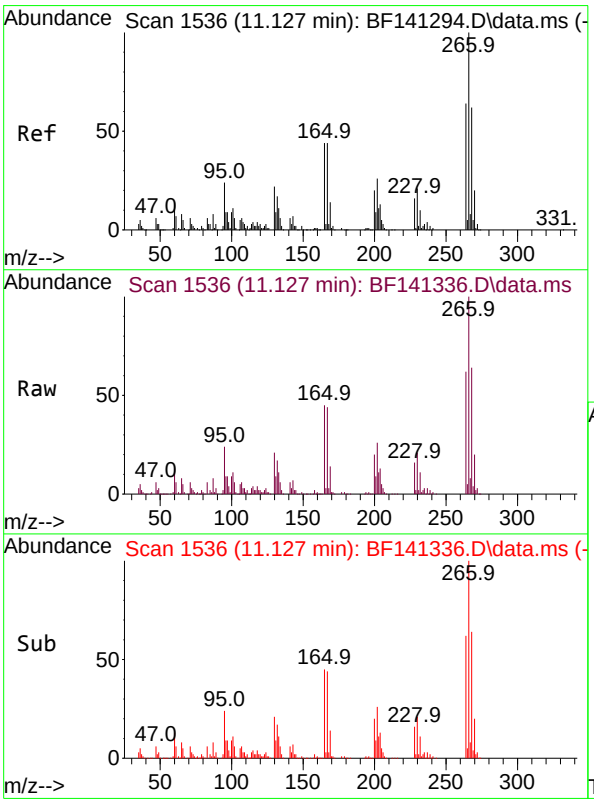
#69
Atrazine
Concen: 33.985 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 181536

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.9	45.9
215	47.4	25.2	65.2

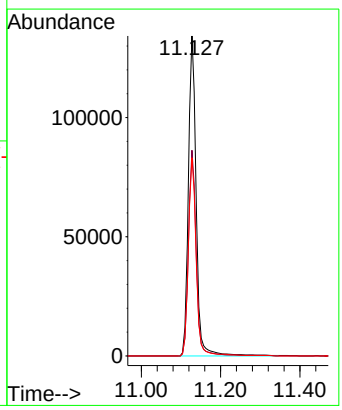


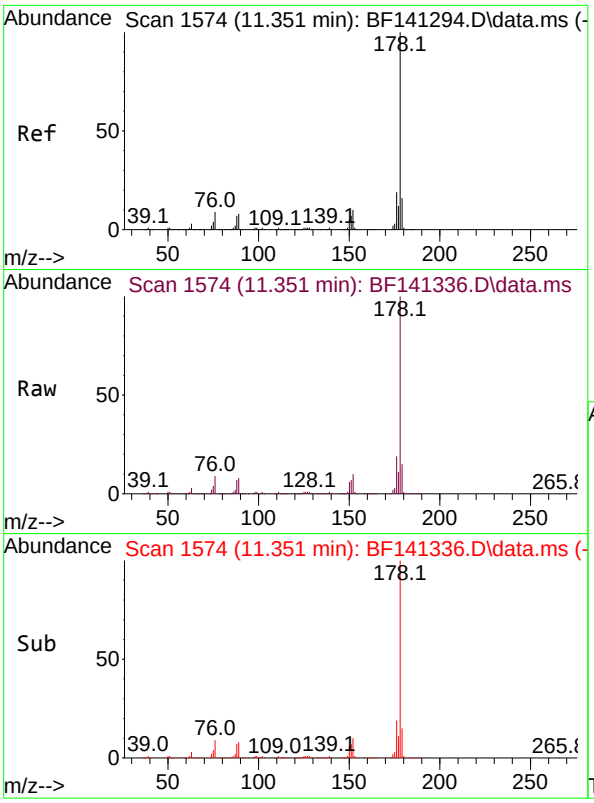


#70
Pentachlorophenol
Concen: 53.575 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:266 Resp: 184030

Ion	Ratio	Lower	Upper
266	100		
268	64.3	49.9	74.9
264	61.9	51.0	76.4



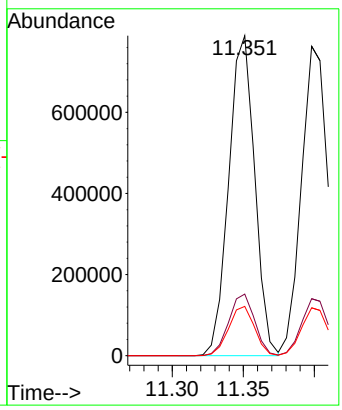


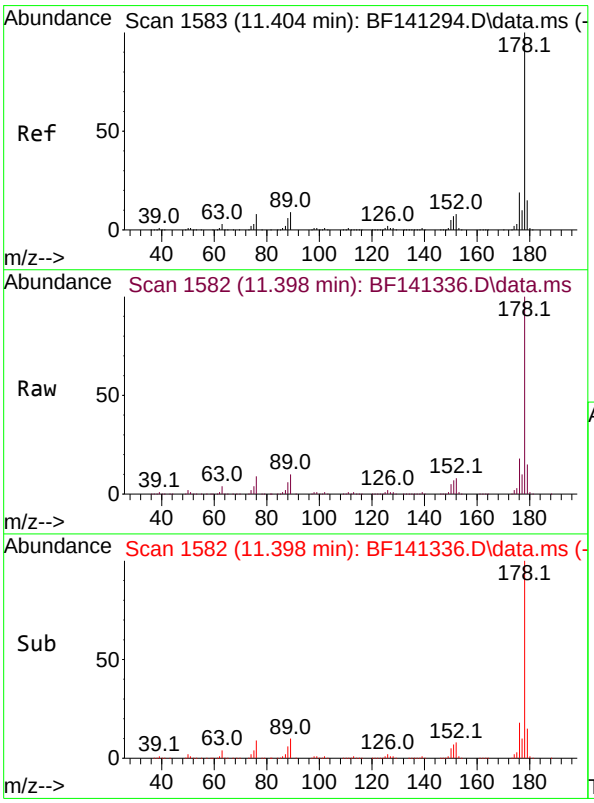
#71
Phenanthrene
Concen: 37.819 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1004184

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.5	18.7

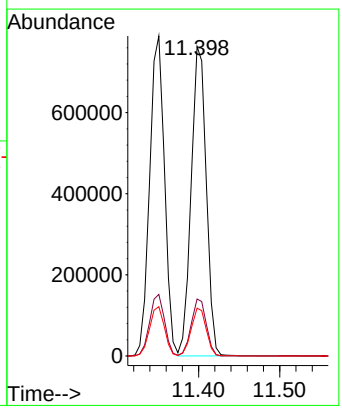


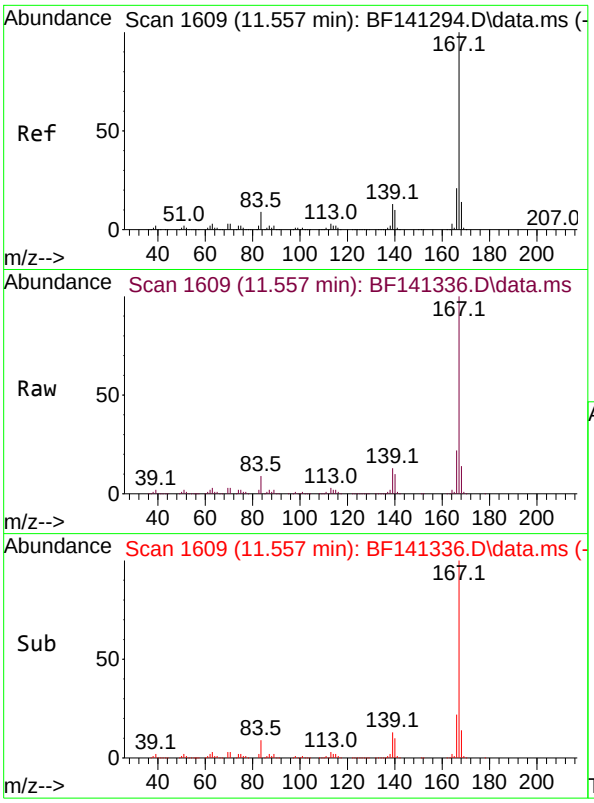


#72
Anthracene
Concen: 37.948 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:178 Resp: 987277

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.5	12.3	18.5



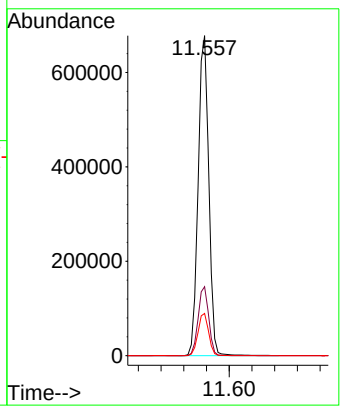


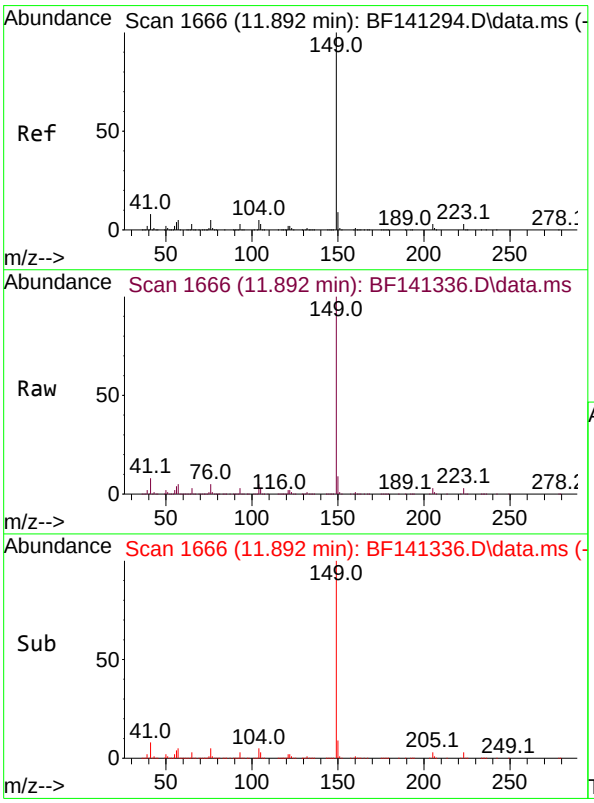
#73
Carbazole
Concen: 38.220 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 881695

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.2	10.6	16.0

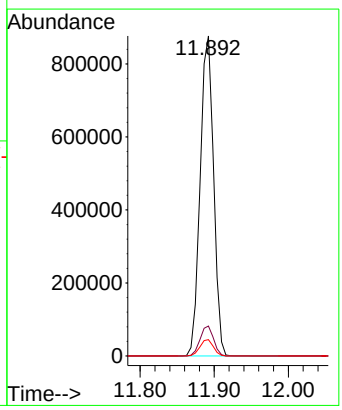


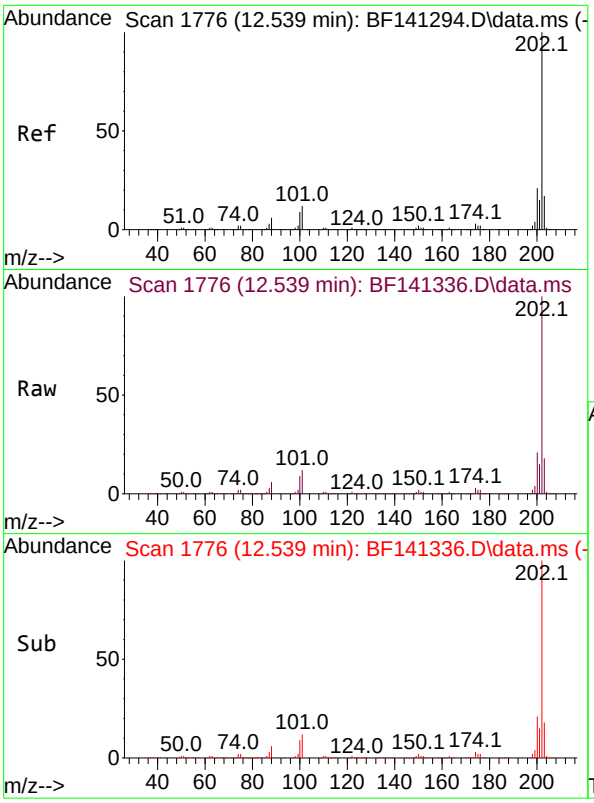


#74
Di-n-butylphthalate
Concen: 39.444 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 1102750

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9



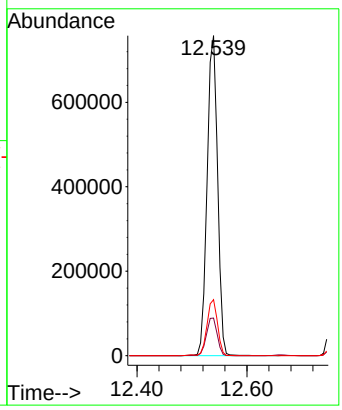


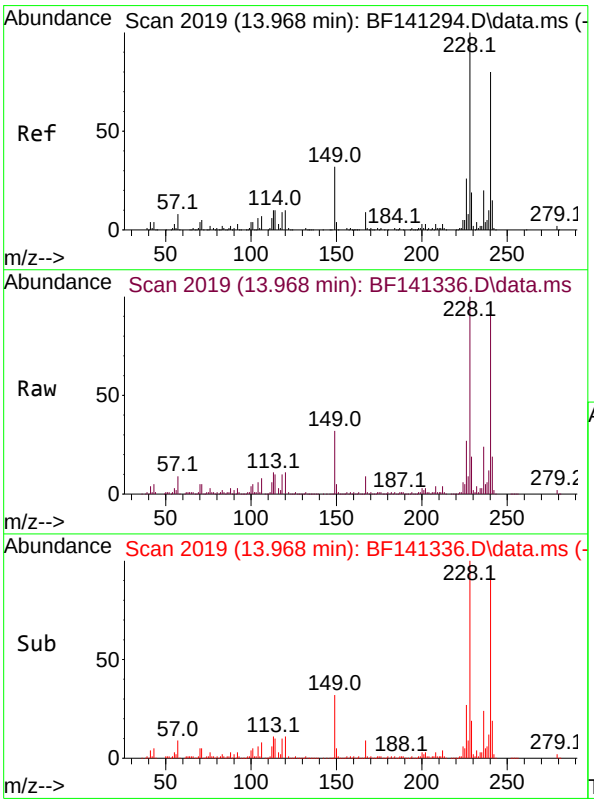
#75
Fluoranthene
Concen: 38.098 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 998810

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.5	0.0	37.5

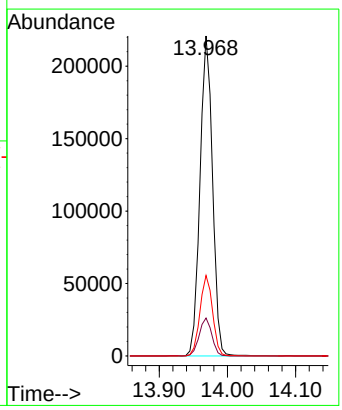


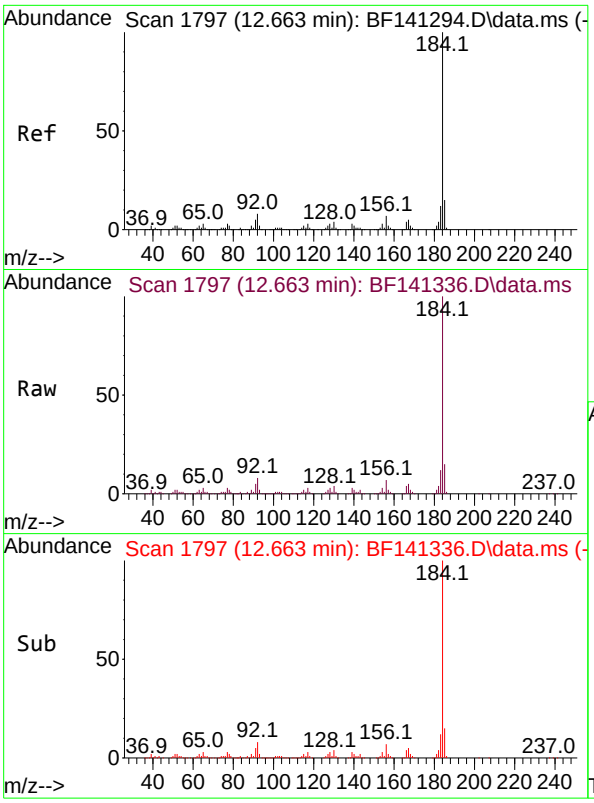


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:240 Resp: 281629

Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.0	15.0
236	25.1	19.7	29.5



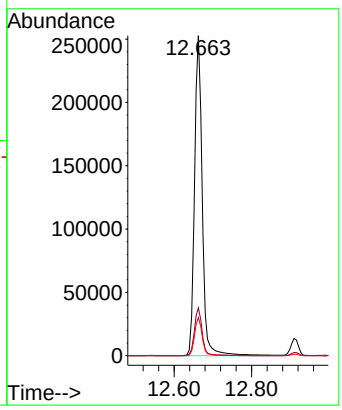


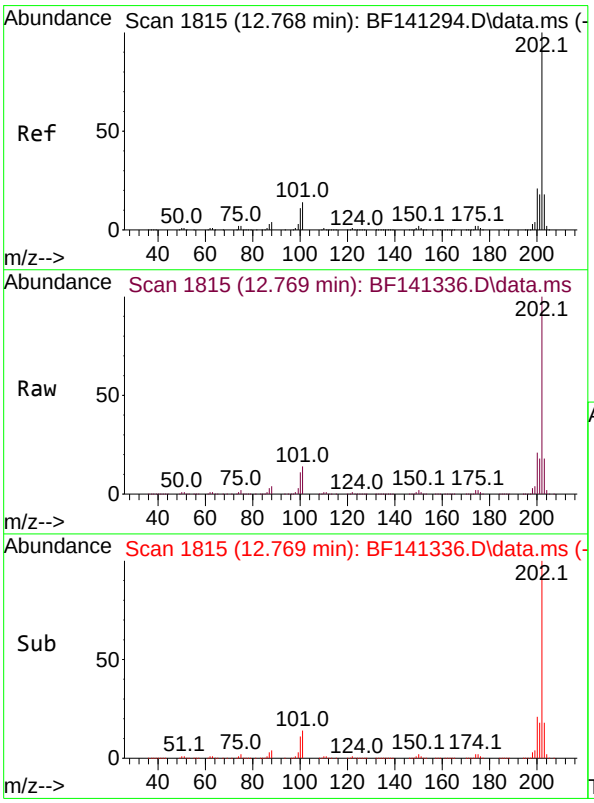
#77
Benzidine
Concen: 38.664 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 349084

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.9	9.5	14.3

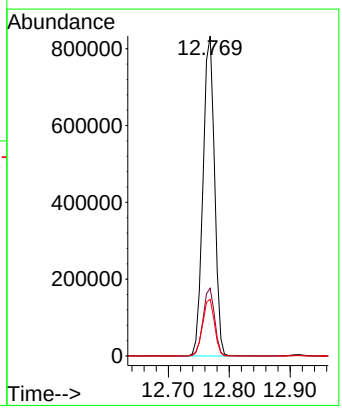


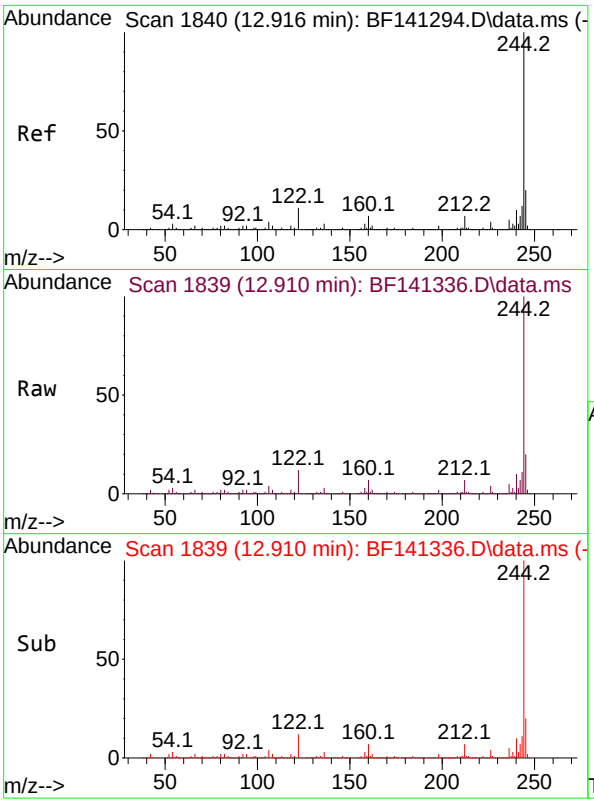


#78
Pyrene
Concen: 40.606 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:202 Resp: 1097741

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5



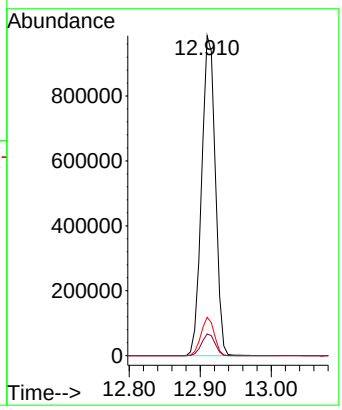


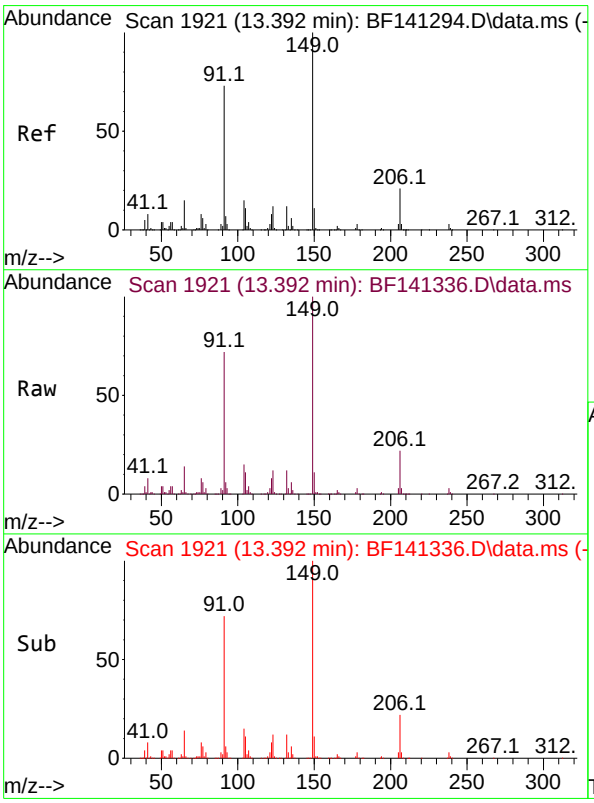
#79
Terphenyl-d14
Concen: 72.583 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1325492

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.0	8.8	13.2

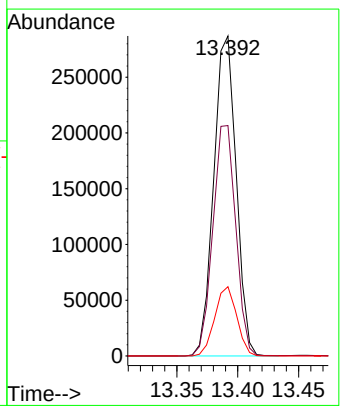


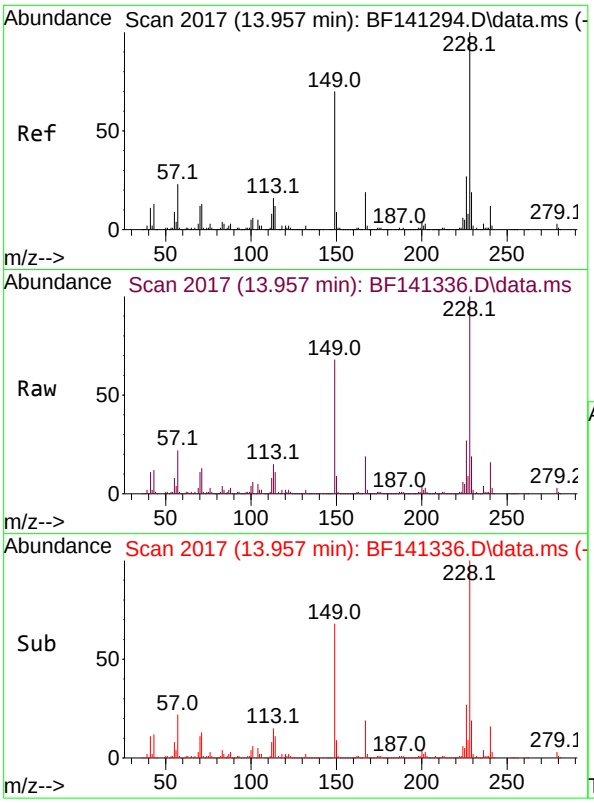


#80
Butylbenzylphthalate
Concen: 39.103 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 369304

Ion	Ratio	Lower	Upper
149	100		
91	72.0	58.6	87.8
206	21.7	16.7	25.1



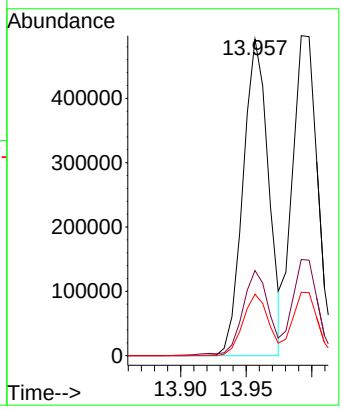


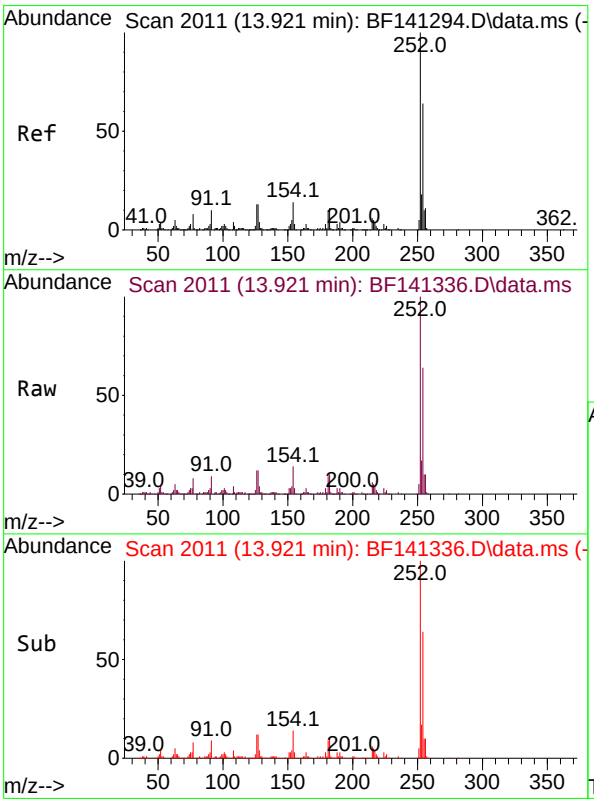
#81
Benzo(a)anthracene
Concen: 34.223 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 665086

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.2
229	19.4	15.5	23.3

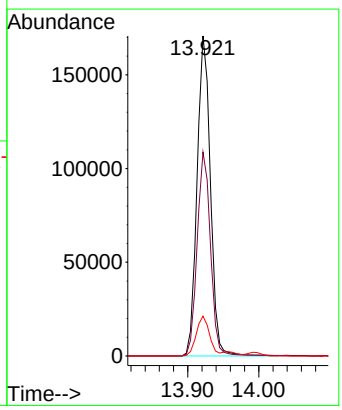


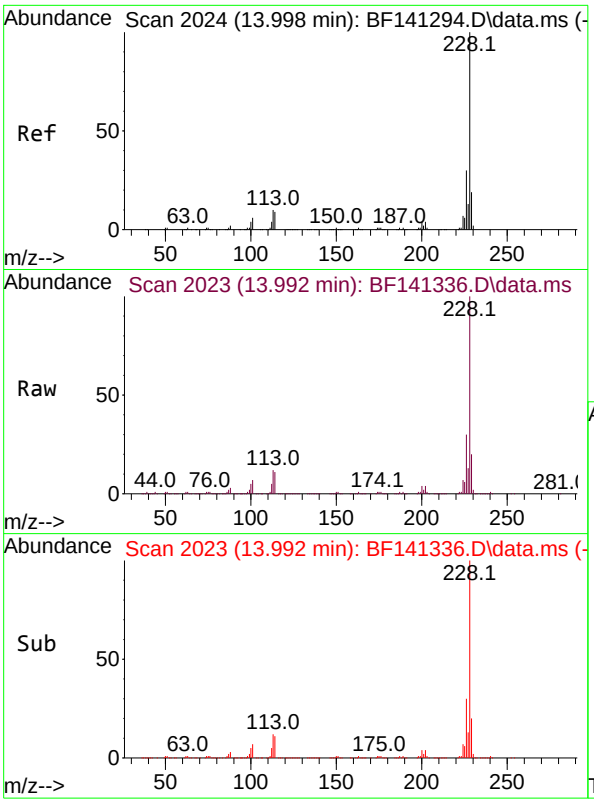


#82
3,3'-Dichlorobenzidine
Concen: 36.200 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:252 Resp: 223750

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.3	76.9
126	12.5	10.0	15.0



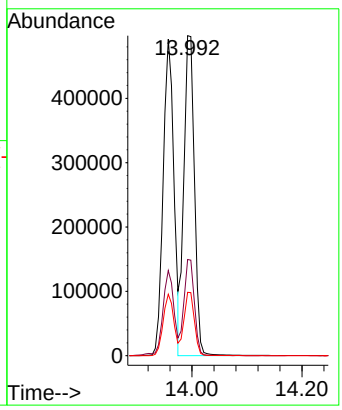


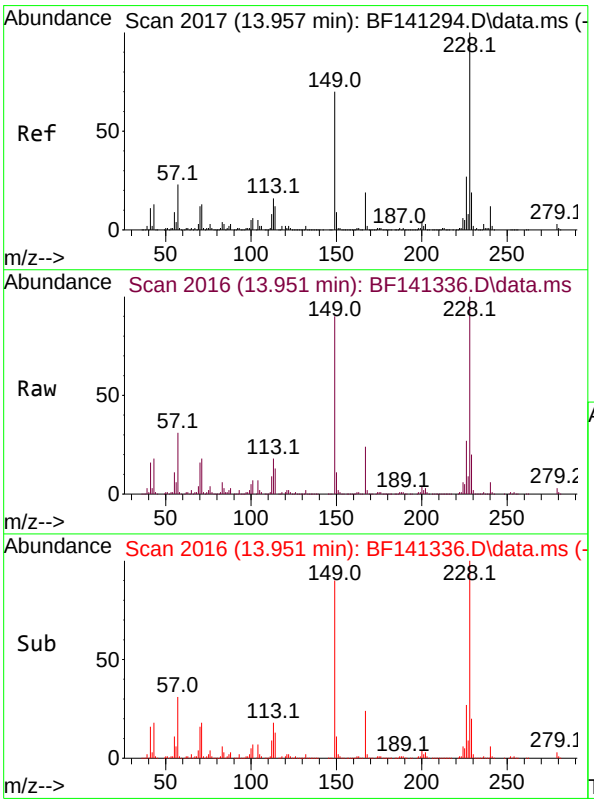
#83
Chrysene
Concen: 37.287 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 664102

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.6	23.4

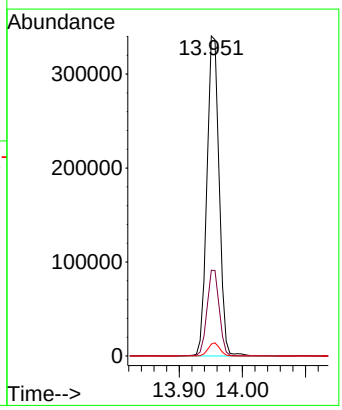


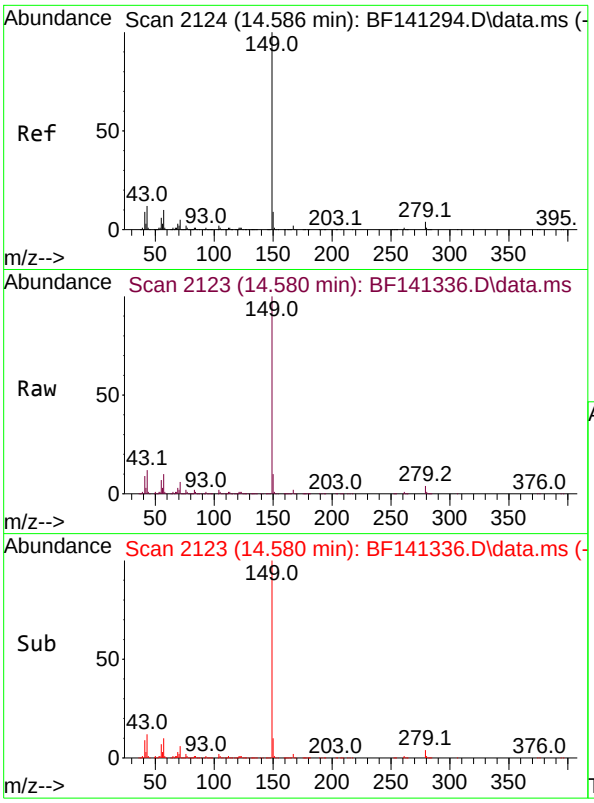


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.304 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 458911

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.8
279	3.7	3.3	4.9



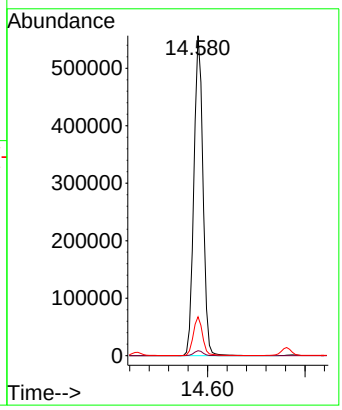


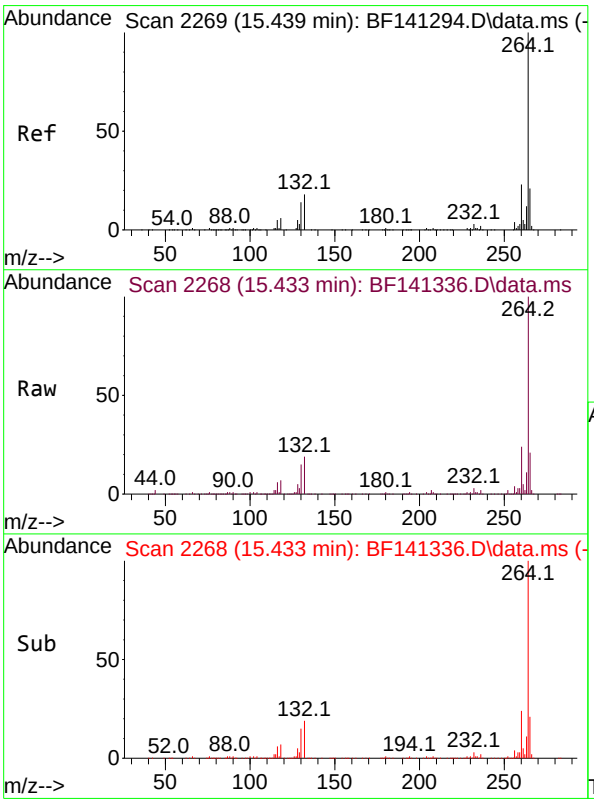
#85
Di-n-octyl phthalate
Concen: 38.886 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 723593

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8

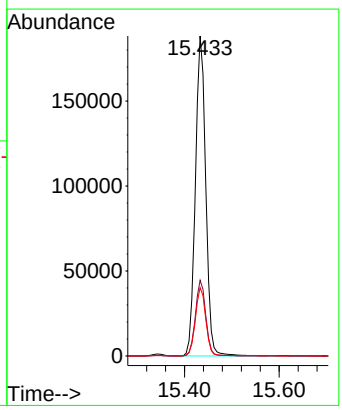


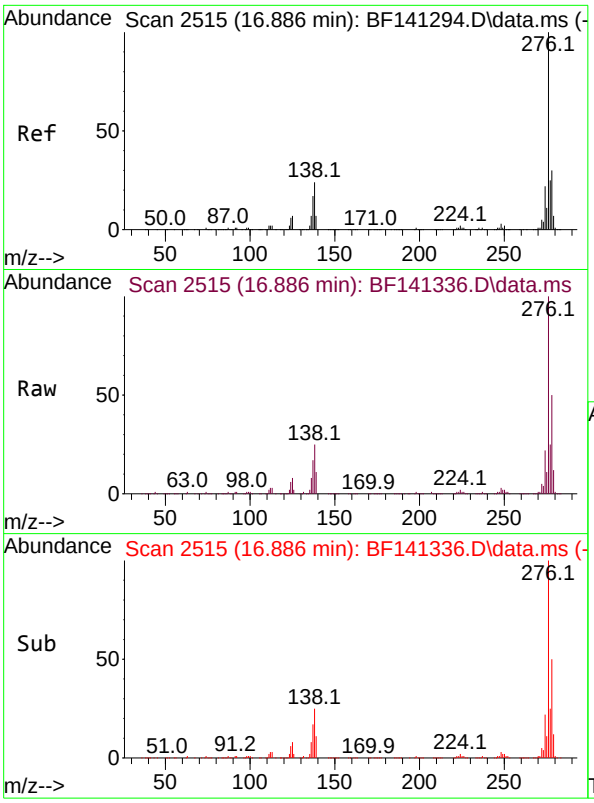


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:264 Resp: 286623

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.4	16.7	25.1



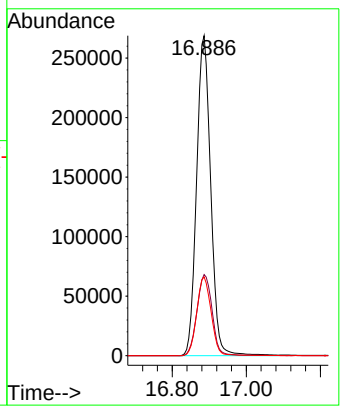


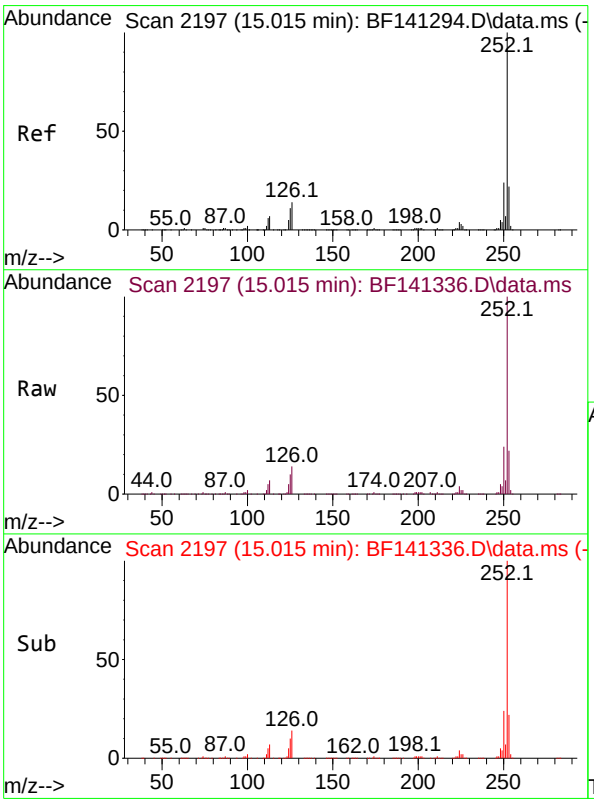
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.376 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 709942

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.2	20.3	30.5

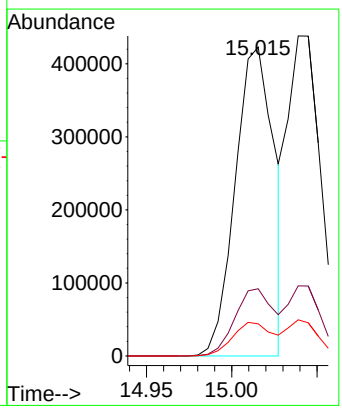


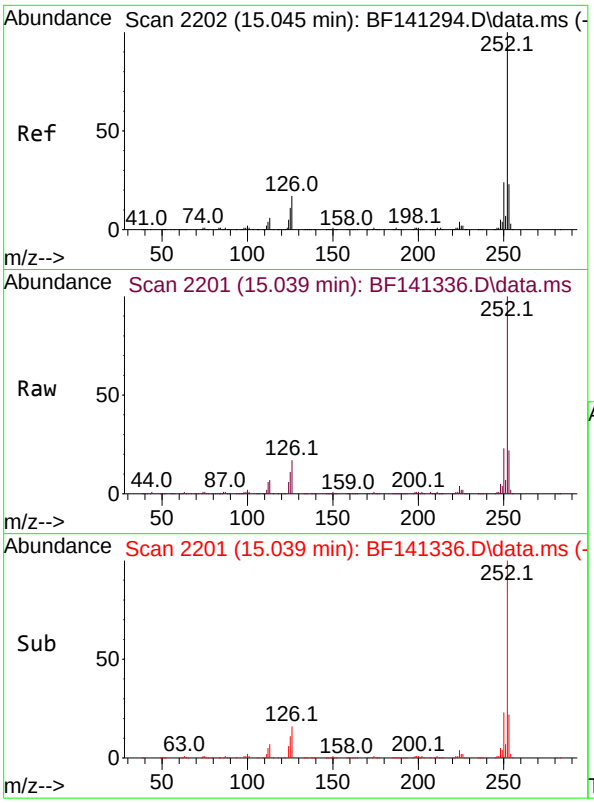


#88
Benzo(b)fluoranthene
Concen: 37.149 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:252 Resp: 669775

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.4	8.6	12.8



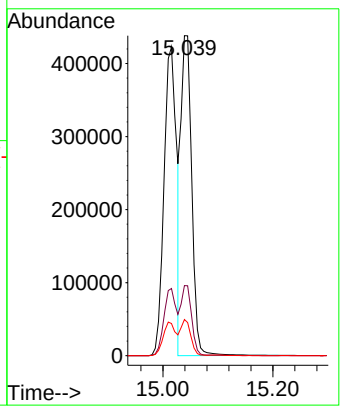


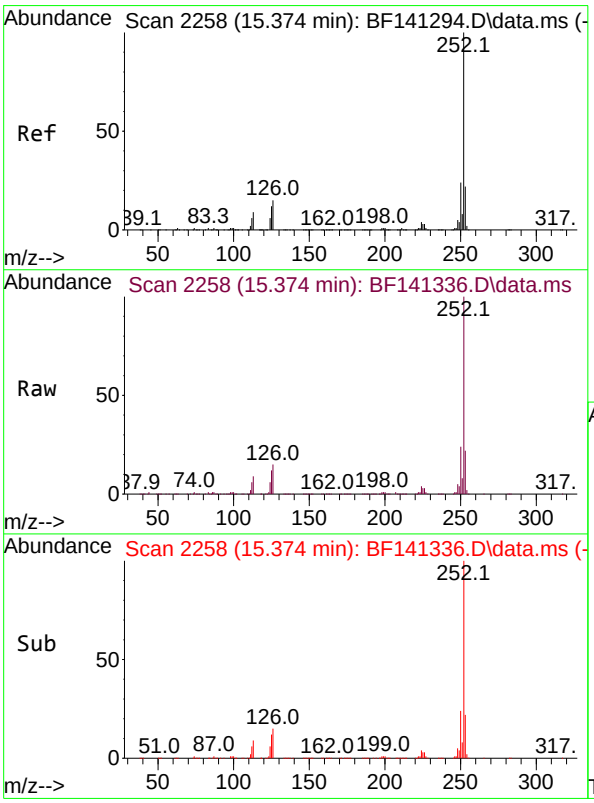
#89
Benzo(k)fluoranthene
Concen: 37.413 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 597549

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.3	8.4	12.6

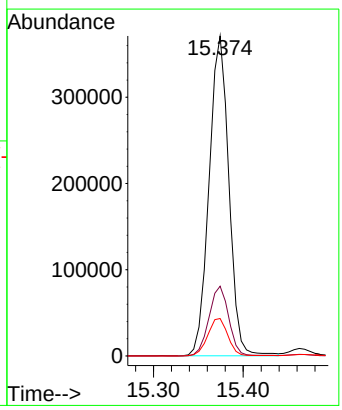


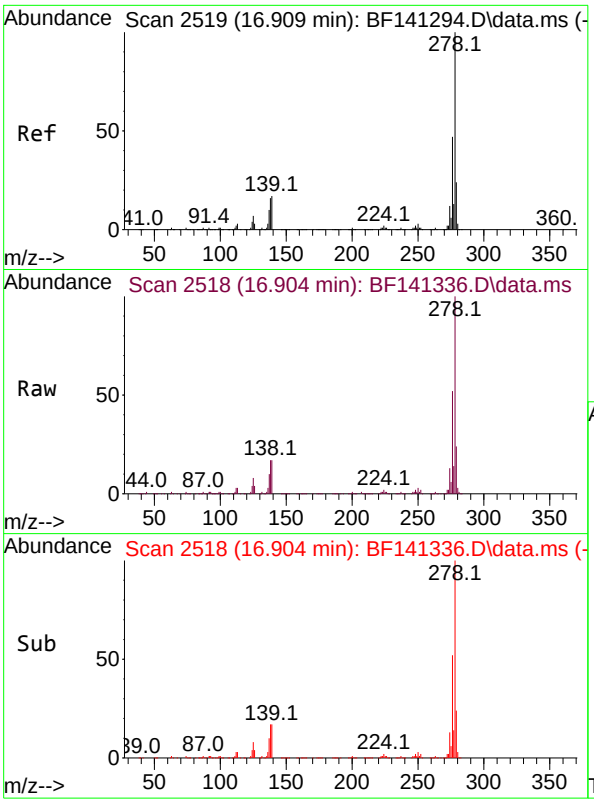


#90
Benzo(a)pyrene
Concen: 37.294 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:252 Resp: 568194

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.7	9.4	14.2



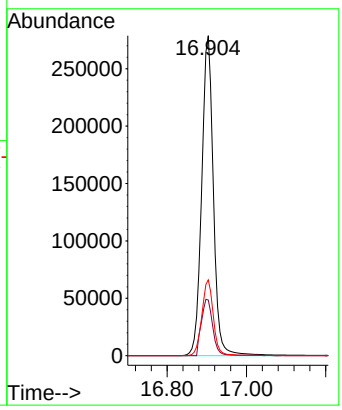


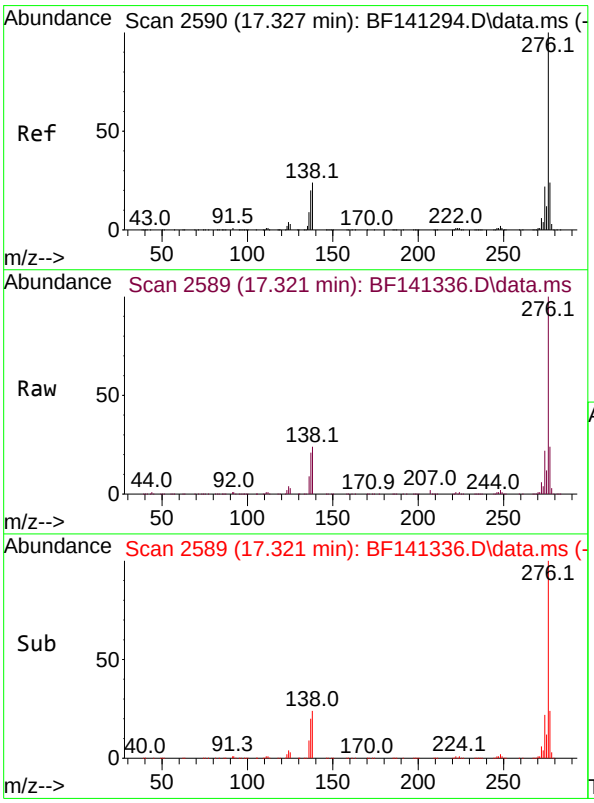
#91
Dibenzo(a,h)anthracene
Concen: 38.458 ng
RT: 16.904 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 572387

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.9	20.9
279	23.7	18.8	28.2

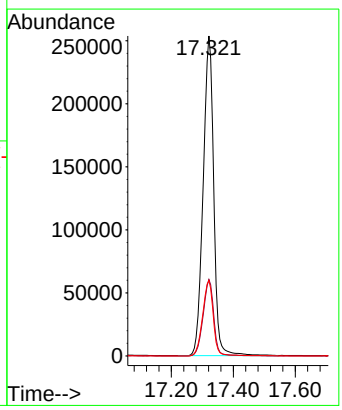




#92
Benzo(g,h,i)perylene
Concen: 38.883 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:276 Resp: 601743

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	23.6	19.0	28.4



Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2		1,4-Dioxane	0.573	0.545	4.9	104	0.00
3		Pyridine	1.380	1.326	3.9	103	-0.02
4		n-Nitrosodimethylamine	0.789	0.750	4.9	102	-0.04
5	S	2-Fluorophenol	1.303	1.218	6.5	104	-0.01
6		Aniline	1.403	1.344	4.2	101	-0.01
7	S	Phenol-d6	1.657	1.534	7.4	104	-0.01
8		2-Chlorophenol	1.396	1.307	6.4	103	-0.01
9		Benzaldehyde	0.960	0.972	-1.3	111	0.00
10	C	Phenol	1.757	1.652	6.0	103	-0.01
11		bis(2-Chloroethyl)ether	1.347	1.267	5.9	106	-0.01
12		1,3-Dichlorobenzene	1.540	1.440	6.5	103	0.00
13	C	1,4-Dichlorobenzene	1.547	1.436	7.2	103	0.00
14		1,2-Dichlorobenzene	1.448	1.350	6.8	103	0.00
15		Benzyl Alcohol	1.133	1.101	2.8	104	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.199	6.1	103	0.00
17		2-Methylphenol	1.135	1.062	6.4	105	0.00
18		Hexachloroethane	0.571	0.536	6.1	104	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.946	4.0	108	-0.01
20		3+4-Methylphenols	1.393	1.318	5.4	105	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22		Acetophenone	0.475	0.424	10.7	102	0.00
23	S	Nitrobenzene-d5	0.379	0.348	8.2	103	0.00
24		Nitrobenzene	0.393	0.365	7.1	103	-0.01
25		Isophorone	0.656	0.622	5.2	107	0.00
26	C	2-Nitrophenol	0.185	0.175	5.4	104	0.00
27		2,4-Dimethylphenol	0.236	0.224	5.1	105	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.386	7.7	104	0.00
29	C	2,4-Dichlorophenol	0.289	0.272	5.9	105	0.00
30		1,2,4-Trichlorobenzene	0.330	0.299	9.4	103	0.00
31		Naphthalene	1.057	0.966	8.6	104	0.00
32		Benzoic acid	0.217	0.226	-4.1	107	-0.04
33		4-Chloroaniline	0.358	0.329	8.1	102	0.00
34	C	Hexachlorobutadiene	0.194	0.179	7.7	105	0.00
35		Caprolactam	0.094	0.091	3.2	108	-0.02
36	C	4-Chloro-3-methylphenol	0.310	0.341	-10.0	124	0.00
37		2-Methylnaphthalene	0.672	0.618	8.0	104	0.00
38		1-Methylnaphthalene	0.660	0.605	8.3	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.515	9.5	102	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.159	5.4	98	0.00
42	S	2,4,6-Tribromophenol	0.183	0.177	3.3	108	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.365	1.9	106	0.00
44		2,4,5-Trichlorophenol	0.405	0.381	5.9	107	0.00
45	S	2-Fluorobiphenyl	1.299	1.148	11.6	103	0.00
46		1,1'-Biphenyl	1.560	1.427	8.5	104	0.00
47		2-Chloronaphthalene	1.216	1.102	9.4	104	0.00

Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.382	0.366	4.2	107	0.00
49		Acenaphthylene	1.702	1.577	7.3	105	0.00
50		Dimethylphthalate	1.351	1.290	4.5	110	0.00
51		2,6-Dinitrotoluene	0.314	0.300	4.5	107	0.00
52	C	Acenaphthene	1.216	1.127	7.3	106	0.00
53		3-Nitroaniline	0.307	0.292	4.9	102	0.00
54	P	2,4-Dinitrophenol	0.146	0.150	-2.7	108	0.00
55		Dibenzofuran	1.627	1.481	9.0	103	0.00
56	P	4-Nitrophenol	0.225	0.300	-33.3#	142	0.00
57		2,4-Dinitrotoluene	0.406	0.427	-5.2	117	0.00
58		Fluorene	1.262	1.151	8.8	104	0.00
59		2,3,4,6-Tetrachlorophenol	0.319	0.310	2.8	108	0.00
60		Diethylphthalate	1.310	1.249	4.7	108	0.00
61		4-Chlorophenyl-phenylether	0.617	0.562	8.9	105	0.00
62		4-Nitroaniline	0.302	0.288	4.6	105	-0.01
63		Azobenzene	1.311	1.231	6.1	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.131	-11.0	113	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.627	3.1	108	0.00
67		4-Bromophenyl-phenylether	0.224	0.220	1.8	109	0.00
68		Hexachlorobenzene	0.238	0.232	2.5	109	0.00
69		Atrazine	0.216	0.184	14.8	93	0.00
70	C	Pentachlorophenol	0.139	0.186	-33.8#	140	0.00
71		Phenanthrene	1.075	1.016	5.5	107	0.00
72		Anthracene	1.053	0.999	5.1	107	0.00
73		Carbazole	0.934	0.892	4.5	107	0.00
74		Di-n-butylphthalate	1.132	1.116	1.4	111	0.00
75	C	Fluoranthene	1.062	1.011	4.8	108	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.641	0.620	3.3	92	0.00
78		Pyrene	1.920	1.949	-1.5	120	0.00
79	S	Terphenyl-d14	1.297	1.177	9.3	108	0.00
80		Butylbenzylphthalate	0.671	0.656	2.2	113	0.00
81		Benzo(a)anthracene	1.380	1.181	14.4	100	0.00
82		3,3'-Dichlorobenzidine	0.439	0.397	9.6	103	0.00
83		Chrysene	1.265	1.179	6.8	112	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.815	4.2	112	0.00
85	c	Di-n-octyl phthalate	1.321	1.285	2.7	113	0.00
86	I	Perylene-d12	1.000	1.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	1.291	1.238	4.1	101	-0.01
88		Benzo(b)fluoranthene	1.258	1.168	7.2	107	0.00
89		Benzo(k)fluoranthene	1.114	1.042	6.5	99	-0.01
90	C	Benzo(a)pyrene	1.063	0.991	6.8	101	0.00
91		Dibenzo(a,h)anthracene	1.039	0.999	3.8	101	-0.02
92		Benzo(g,h,i)perylene	1.080	1.050	2.8	103	-0.02

Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2		1,4-Dioxane	40.000	38.066	4.8	104	0.00
3		Pyridine	40.000	38.429	3.9	103	-0.02
4		n-Nitrosodimethylamine	40.000	38.050	4.9	102	-0.04
5	S	2-Fluorophenol	80.000	74.803	6.5	104	-0.01
6		Aniline	40.000	38.328	4.2	101	-0.01
7	S	Phenol-d6	80.000	74.066	7.4	104	-0.01
8		2-Chlorophenol	40.000	37.432	6.4	103	-0.01
9		Benzaldehyde	40.000	40.484	-1.2	111	0.00
10	C	Phenol	40.000	37.622	5.9	103	-0.01
11		bis(2-Chloroethyl)ether	40.000	37.636	5.9	106	-0.01
12		1,3-Dichlorobenzene	40.000	37.423	6.4	103	0.00
13	C	1,4-Dichlorobenzene	40.000	37.151	7.1	103	0.00
14		1,2-Dichlorobenzene	40.000	37.272	6.8	103	0.00
15		Benzyl Alcohol	40.000	38.880	2.8	104	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.552	6.1	103	0.00
17		2-Methylphenol	40.000	37.434	6.4	105	0.00
18		Hexachloroethane	40.000	37.585	6.0	104	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.424	3.9	108	-0.01
20		3+4-Methylphenols	40.000	37.845	5.4	105	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22		Acetophenone	40.000	35.678	10.8	102	0.00
23	S	Nitrobenzene-d5	80.000	73.308	8.4	103	0.00
24		Nitrobenzene	40.000	37.116	7.2	103	-0.01
25		Isophorone	40.000	37.934	5.2	107	0.00
26	C	2-Nitrophenol	40.000	37.762	5.6	104	0.00
27		2,4-Dimethylphenol	40.000	37.999	5.0	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.955	7.6	104	0.00
29	C	2,4-Dichlorophenol	40.000	37.608	6.0	105	0.00
30		1,2,4-Trichlorobenzene	40.000	36.214	9.5	103	0.00
31		Naphthalene	40.000	36.561	8.6	104	0.00
32		Benzoic acid	40.000	41.698	-4.2	107	-0.04
33		4-Chloroaniline	40.000	36.719	8.2	102	0.00
34	C	Hexachlorobutadiene	40.000	37.021	7.4	105	0.00
35		Caprolactam	40.000	38.705	3.2	108	-0.02
36	C	4-Chloro-3-methylphenol	40.000	43.991	-10.0	124	0.00
37		2-Methylnaphthalene	40.000	36.818	8.0	104	0.00
38		1-Methylnaphthalene	40.000	36.681	8.3	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.224	9.4	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.949	5.1	98	0.00
42	S	2,4,6-Tribromophenol	80.000	77.122	3.6	108	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.199	2.0	106	0.00
44		2,4,5-Trichlorophenol	40.000	37.608	6.0	107	0.00
45	S	2-Fluorobiphenyl	80.000	70.690	11.6	103	0.00
46		1,1'-Biphenyl	40.000	36.585	8.5	104	0.00
47		2-Chloronaphthalene	40.000	36.251	9.4	104	0.00

Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.330	4.2	107	0.00
49		Acenaphthylene	40.000	37.073	7.3	105	0.00
50		Dimethylphthalate	40.000	38.200	4.5	110	0.00
51		2,6-Dinitrotoluene	40.000	38.268	4.3	107	0.00
52	C	Acenaphthene	40.000	37.066	7.3	106	0.00
53		3-Nitroaniline	40.000	37.936	5.2	102	0.00
54	P	2,4-Dinitrophenol	40.000	41.270	-3.2	108	0.00
55		Dibenzofuran	40.000	36.395	9.0	103	0.00
56	P	4-Nitrophenol	40.000	53.378	-33.4#	142	0.00
57		2,4-Dinitrotoluene	40.000	42.014	-5.0	117	0.00
58		Fluorene	40.000	36.485	8.8	104	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.903	2.7	108	0.00
60		Diethylphthalate	40.000	38.140	4.6	108	0.00
61		4-Chlorophenyl-phenylether	40.000	36.458	8.9	105	0.00
62		4-Nitroaniline	40.000	38.063	4.8	105	-0.01
63		Azobenzene	40.000	37.573	6.1	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.270	-10.7	113	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.751	3.1	108	0.00
67		4-Bromophenyl-phenylether	40.000	39.236	1.9	109	0.00
68		Hexachlorobenzene	40.000	38.991	2.5	109	0.00
69		Atrazine	40.000	33.985	15.0	93	0.00
70	C	Pentachlorophenol	40.000	53.575	-33.9#	140	0.00
71		Phenanthrene	40.000	37.819	5.5	107	0.00
72		Anthracene	40.000	37.948	5.1	107	0.00
73		Carbazole	40.000	38.220	4.5	107	0.00
74		Di-n-butylphthalate	40.000	39.444	1.4	111	0.00
75	C	Fluoranthene	40.000	38.098	4.8	108	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	38.664	3.3	92	0.00
78		Pyrene	40.000	40.606	-1.5	120	0.00
79	S	Terphenyl-d14	80.000	72.583	9.3	108	0.00
80		Butylbenzylphthalate	40.000	39.103	2.2	113	0.00
81		Benzo(a)anthracene	40.000	34.223	14.4	100	0.00
82		3,3'-Dichlorobenzidine	40.000	36.200	9.5	103	0.00
83		Chrysene	40.000	37.287	6.8	112	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.304	4.2	112	0.00
85	c	Di-n-octyl phthalate	40.000	38.886	2.8	113	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.376	4.1	101	-0.01
88		Benzo(b)fluoranthene	40.000	37.149	7.1	107	0.00
89		Benzo(k)fluoranthene	40.000	37.413	6.5	99	-0.01
90	C	Benzo(a)pyrene	40.000	37.294	6.8	101	0.00
91		Dibenzo(a,h)anthracene	40.000	38.458	3.9	101	-0.02
92		Benzo(g,h,i)perylene	40.000	38.883	2.8	103	-0.02

Sample Results: **BF141336.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Raw Data: **BF141410.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.284		-1.5	
Benzaldehyde	0.960	1.013		5.5	
Phenol-d6	1.657	1.572		-5.1	
Phenol	1.757	1.636		-6.9	20.0
bis(2-Chloroethyl)ether	1.347	1.259		-6.5	
2-Chlorophenol	1.396	1.368		-2.0	
2-Methylphenol	1.135	1.080		-4.8	
2,2-oxybis(1-Chloropropane)	2.342	2.088		-10.8	
Acetophenone	0.475	0.494		4.0	
3+4-Methylphenols	1.393	1.396		0.2	
n-Nitroso-di-n-propylamine	0.985	0.944	0.050	-4.2	
Nitrobenzene-d5	0.379	0.388		2.4	
Hexachloroethane	0.571	0.577		1.1	
Nitrobenzene	0.393	0.393		0.0	
Isophorone	0.656	0.640		-2.4	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.228		-3.4	
bis(2-Chloroethoxy)methane	0.418	0.398		-4.8	
2,4-Dichlorophenol	0.289	0.292		1.0	20.0
Naphthalene	1.057	1.049		-0.8	
4-Chloroaniline	0.358	0.319		-10.9	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.319		2.9	20.0
2-Methylnaphthalene	0.672	0.673		0.1	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.327		2.2	
2,4,5-Trichlorophenol	0.405	0.420		3.7	
1,1-Biphenyl	1.560	1.554		-0.4	
2-Chloronaphthalene	1.216	1.203		-1.1	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.359		0.6	
Acenaphthylene	1.702	1.720		1.1	
2,6-Dinitrotoluene	0.314	0.322		2.5	
3-Nitroaniline	0.307	0.312		1.6	
Acenaphthene	1.216	1.251		2.9	20.0
2,4-Dinitrophenol	0.146	0.175	0.050	19.9	
4-Nitrophenol	0.225	0.248	0.050	10.2	

Raw Data: **BF141410.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.657		1.8	
2,4-Dinitrotoluene	0.406	0.439		8.1	
Diethylphthalate	1.310	1.369		4.5	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.315		4.2	
4-Nitroaniline	0.302	0.342		13.2	
4,6-Dinitro-2-methylphenol	0.118	0.142		20.3	
n-Nitrosodiphenylamine	0.647	0.643		-0.6	20.0
2,4,6-Tribromophenol	0.183	0.206		12.6	
4-Bromophenyl-phenylether	0.224	0.229		2.2	
Hexachlorobenzene	0.238	0.248		4.2	
Atrazine	0.216	0.211		-2.3	
Pentachlorophenol	0.139	0.158		13.7	20.0
Phenanthrene	1.075	1.113		3.5	
Anthracene	1.053	1.102		4.7	
Carbazole	0.934	1.020		9.2	
Di-n-butylphthalate	1.132	1.231		8.7	
Fluoranthene	1.062	1.232		16.0	20.0
Pyrene	1.920	1.732		-9.8	
Terphenyl-d14	1.297	1.228		-5.3	
Butylbenzylphthalate	0.671	0.671		0.0	
3,3-Dichlorobenzidine	0.439	0.410		-6.6	
Benzo(a)anthracene	1.380	1.278		-7.4	
Chrysene	1.265	1.238		-2.1	
Bis(2-ethylhexyl)phthalate	0.851	0.877		3.1	
Di-n-octyl phthalate	1.321	1.327		0.5	20.0
Benzo(b)fluoranthene	1.258	1.276		1.4	
Benzo(k)fluoranthene	1.114	1.215		9.1	
Benzo(a)pyrene	1.063	1.092		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.304		1.0	
Dibenzo(a,h)anthracene	1.039	1.055		1.5	
Benzo(g,h,i)perylene	1.080	1.076		-0.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.535		-6.6	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.336		5.3	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	89972	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	349697	20.000	ng		#-0.01
39) Acenaphthene-d10	9.828	164	187729	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	325046	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	235785	20.000	ng		#-0.01
86) Perylene-d12	15.421	264	203742	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	461991	78.830	ng		0.00
7) Phenol-d6	6.434	99	565803	75.891	ng		0.00
23) Nitrobenzene-d5	7.357	82	542962	81.851	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	154436	89.734	ng		-0.01
45) 2-Fluorobiphenyl	9.151	172	996571	81.709	ng		-0.01
79) Terphenyl-d14	12.904	244	1157717	75.722	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.452	88	96236	37.338	ng		98
3) Pyridine	3.175	79	227442	36.624	ng		95
4) n-Nitrosodimethylamine	3.134	42	148075m	41.739	ng		
6) Aniline	6.451	93	231086	36.617	ng	#	24
8) 2-Chlorophenol	6.581	128	246203	39.195	ng		97
9) Benzaldehyde	6.340	77	182303	42.215	ng		99
10) Phenol	6.445	94	294371	37.247	ng	#	67
11) bis(2-Chloroethyl)ether	6.528	93	226600	37.395	ng		98
12) 1,3-Dichlorobenzene	6.728	146	275749	39.813	ng		99
13) 1,4-Dichlorobenzene	6.810	146	279491	40.169	ng		99
14) 1,2-Dichlorobenzene	6.963	146	260169	39.932	ng		98
15) Benzyl Alcohol	6.934	79	212366	41.681	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.069	45	375805	35.664	ng		81
17) 2-Methylphenol	7.057	107	194281	38.055	ng	#	91
18) Hexachloroethane	7.304	117	103872	40.467	ng		95
19) n-Nitroso-di-n-propyla...	7.204	70	169782	38.325	ng		99
20) 3+4-Methylphenols	7.204	107	251134	40.064	ng		91
22) Acetophenone	7.198	105	345559	41.572	ng	#	98
24) Nitrobenzene	7.375	77	275017	40.006	ng		100
25) Isophorone	7.610	82	447558	39.031	ng		98
26) 2-Nitrophenol	7.692	139	134199	41.393	ng		98
27) 2,4-Dimethylphenol	7.734	122	159583m	38.672	ng		
28) bis(2-Chloroethoxy)met...	7.822	93	278158	38.030	ng		98
29) 2,4-Dichlorophenol	7.939	162	204485	40.477	ng		99
30) 1,2,4-Trichlorobenzene	8.016	180	235617	40.839	ng		99
31) Naphthalene	8.098	128	733327	39.696	ng		99
32) Benzoic acid	7.851	122	160931	42.423	ng		95
33) 4-Chloroaniline	8.145	127	222768	35.561	ng		99
34) Hexachlorobutadiene	8.210	225	145800	43.093	ng		99
35) Caprolactam	8.516	113	65085	39.448	ng		96
36) 4-Chloro-3-methylphenol	8.633	107	223256	41.200	ng		95
37) 2-Methylnaphthalene	8.786	142	471006	40.115	ng		100
38) 1-Methylnaphthalene	8.886	142	459817	39.867	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	220482	41.284	ng		100
41) Hexachlorocyclopentadiene	8.939	237	69619	44.139	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	144492	41.335	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	157526	41.404	ng	100
46) 1,1'-Biphenyl	9.251	154	583575	39.860	ng	98
47) 2-Chloronaphthalene	9.275	162	451544	39.569	ng	99
48) 2-Nitroaniline	9.375	65	148678	41.421	ng	98
49) Acenaphthylene	9.692	152	645795	40.428	ng	100
50) Dimethylphthalate	9.557	163	510098	40.231	ng	100
51) 2,6-Dinitrotoluene	9.616	165	120960	41.088	ng	99
52) Acenaphthene	9.863	154	469576	41.148	ng	98
53) 3-Nitroaniline	9.786	138	117193	40.616	ng	99
54) 2,4-Dinitrophenol	9.892	184	65781	48.068	ng	93
55) Dibenzofuran	10.033	168	622267	40.736	ng	98
56) 4-Nitrophenol	9.963	139	93228	44.180	ng	92
57) 2,4-Dinitrotoluene	10.016	165	164833	43.245	ng	96
58) Fluorene	10.380	166	493864	41.680	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	126118	42.135	ng	96
60) Diethylphthalate	10.251	149	514014	41.811	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	241686	41.757	ng	97
62) 4-Nitroaniline	10.398	138	128297	45.227	ng	91
63) Azobenzene	10.533	77	490065	39.824	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	92244	47.978	ng	98
66) n-Nitrosodiphenylamine	10.492	169	417972	39.757	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	148831	40.899	ng	99
68) Hexachlorobenzene	10.927	284	160903	41.684	ng	98
69) Atrazine	11.016	200	137337	39.071	ng	99
70) Pentachlorophenol	11.122	266	102619	45.399	ng	98
71) Phenanthrene	11.339	178	723529	41.409	ng	100
72) Anthracene	11.392	178	716469	41.850	ng	100
73) Carbazole	11.551	167	662834	43.663	ng	99
74) Di-n-butylphthalate	11.880	149	800193	43.495	ng	99
75) Fluoranthene	12.527	202	801222	46.442	ng	98
77) Benzidine	12.657	184	300130	39.706	ng	99
78) Pyrene	12.757	202	816862	36.091	ng	100
80) Butylbenzylphthalate	13.380	149	316309	40.003	ng	99
81) Benzo(a)anthracene	13.951	228	602639	37.039	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	193238	37.342	ng	99
83) Chrysene	13.986	228	583785	39.150	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	413503	41.225	ng	99
85) Di-n-octyl phthalate	14.568	149	625670	40.161	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	531435	40.413	ng	96
88) Benzo(b)fluoranthene	15.004	252	519917	40.568	ng	98
89) Benzo(k)fluoranthene	15.033	252	495242	43.621	ng	98
90) Benzo(a)pyrene	15.362	252	444854	41.076	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	430043	40.648	ng	97
92) Benzo(g,h,i)perylene	17.304	276	438392	39.851	ng	95

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

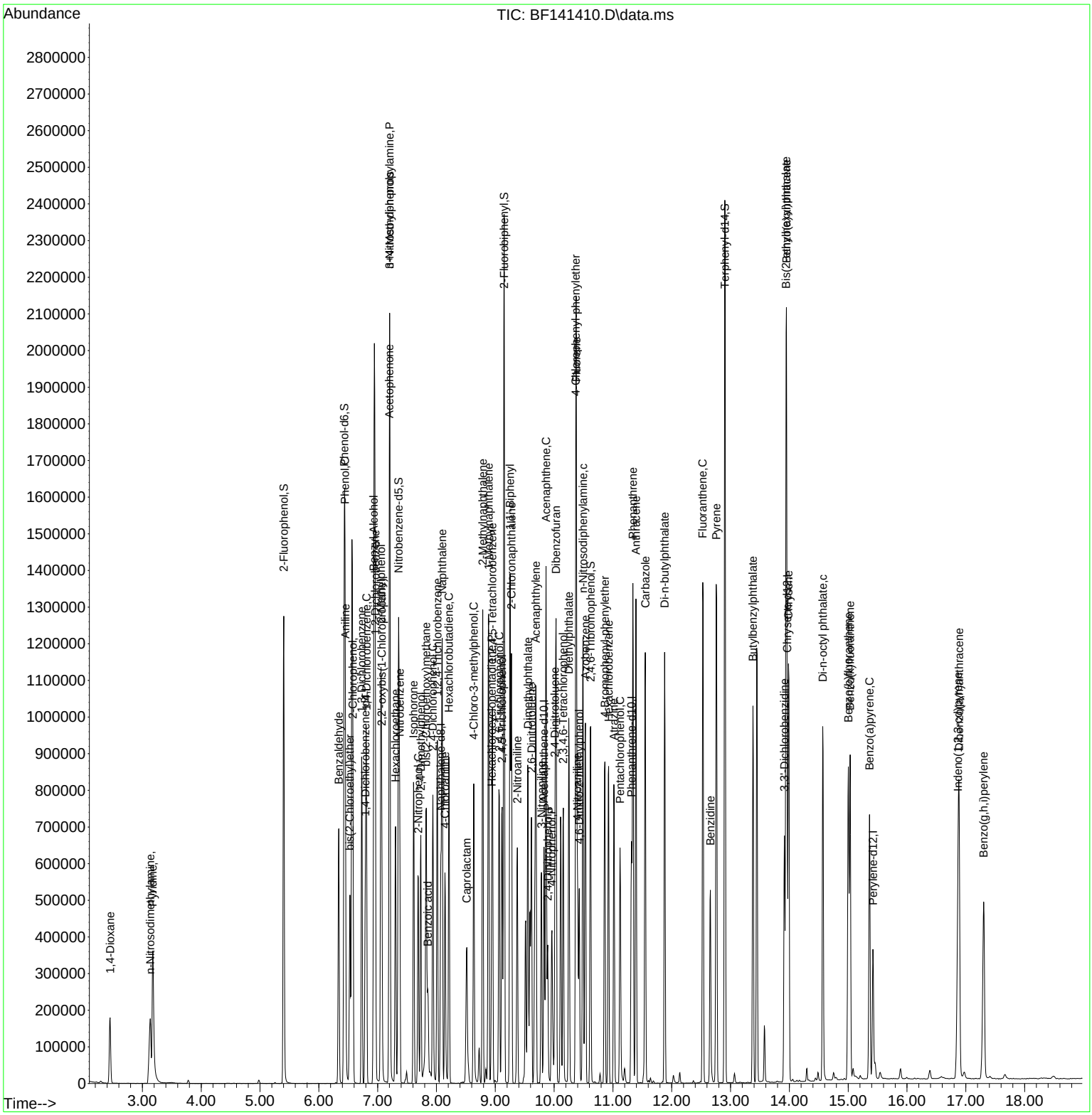
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

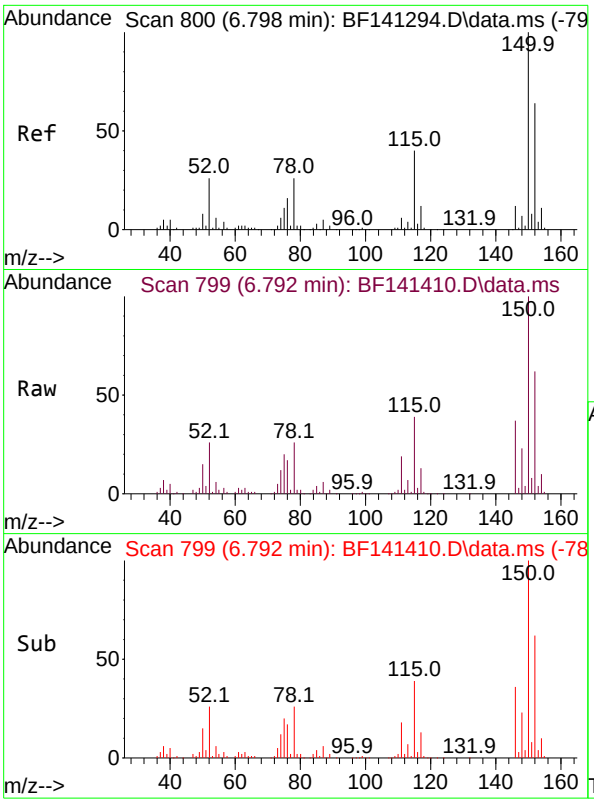
Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

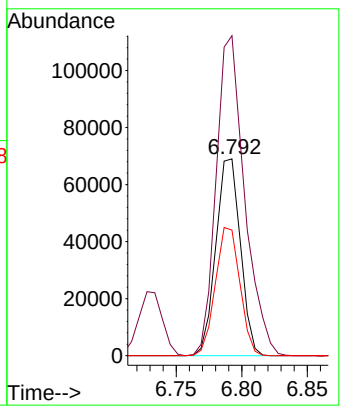




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:152 Resp: 8997

Ion	Ratio	Lower	Upper
152	100		
150	162.5	125.9	188.9
115	63.8	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
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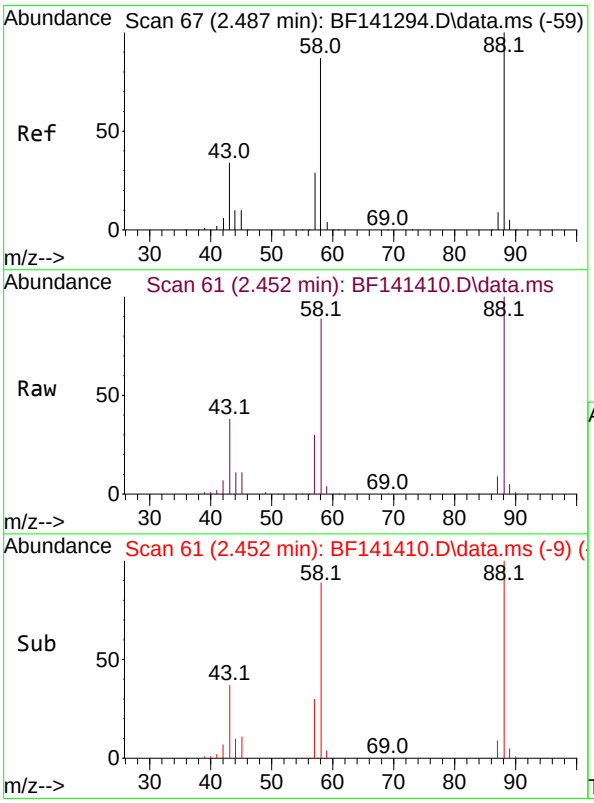
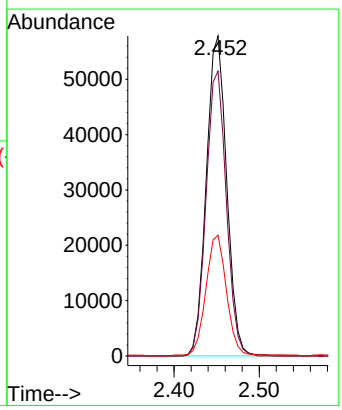
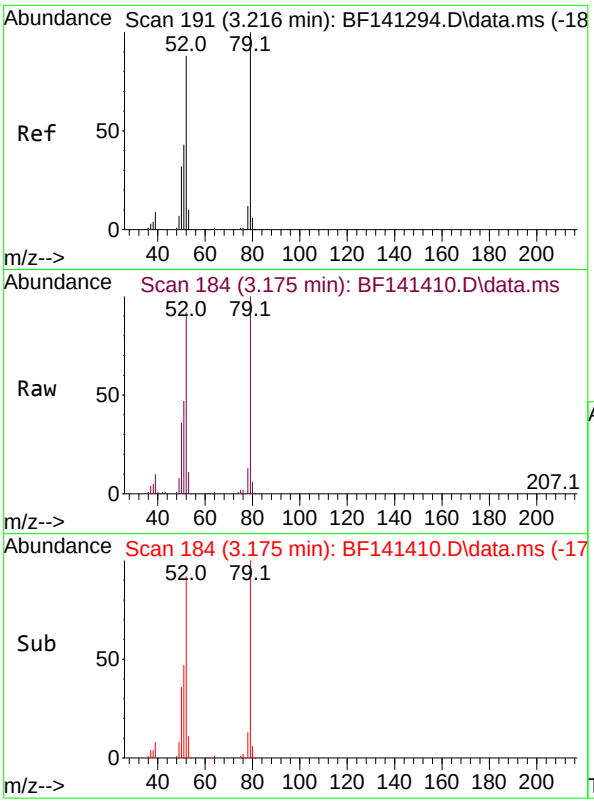


#2
1,4-Dioxane
Concen: 37.338 ng
RT: 2.452 min Scan# 61
Delta R.T. -0.041 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 88 Resp: 96236

Ion	Ratio	Lower	Upper
88	100		
58	88.3	70.2	105.4
43	38.6	27.6	41.4





#3
Pyridine
Concen: 36.624 ng
RT: 3.175 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 79 Resp: 22744

Ion	Ratio	Lower	Upper
79	100		
52	92.5	70.3	105.5
51	47.1	34.3	51.5

Instrument :
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ClientSampleId :
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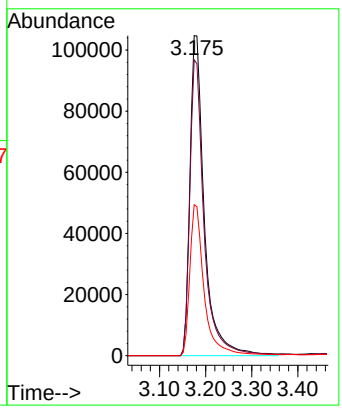
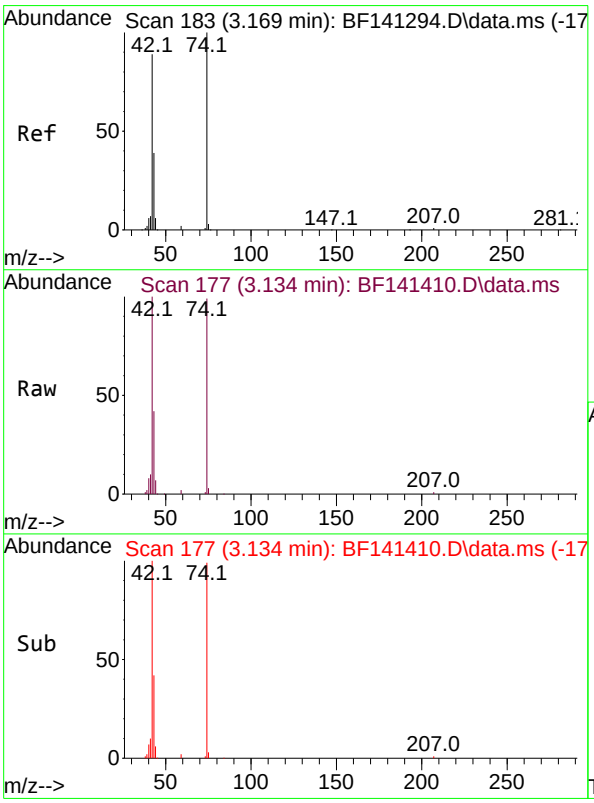
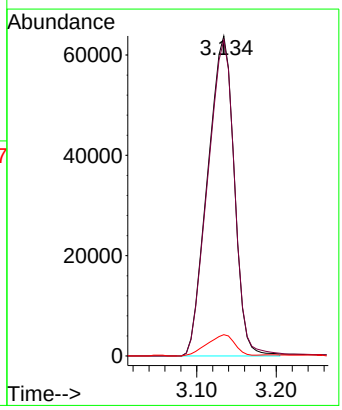


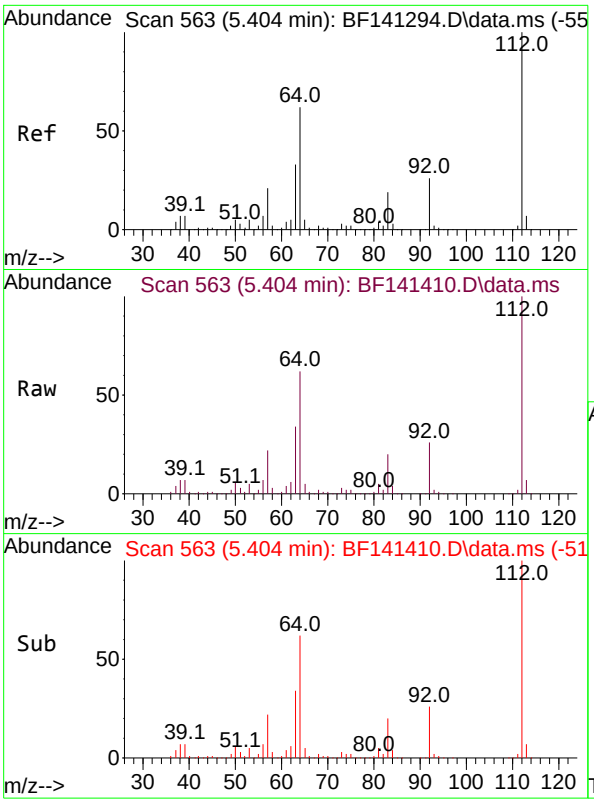


#4
n-Nitrosodimethylamine
Concen: 41.739 ng m
RT: 3.134 min Scan# 177
Delta R.T. -0.065 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 42 Resp: 148075

Ion	Ratio	Lower	Upper
42	100		
74	98.8	90.3	135.5
44	6.7	5.7	8.5





#5
2-Fluorophenol
Concen: 78.830 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:112 Resp: 46199

Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.8	74.8
63	34.0	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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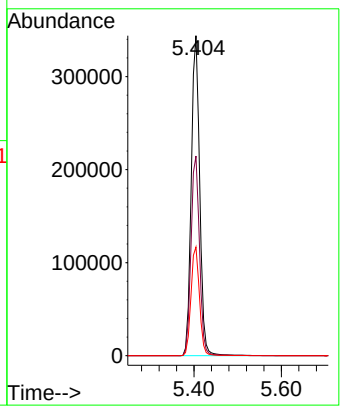
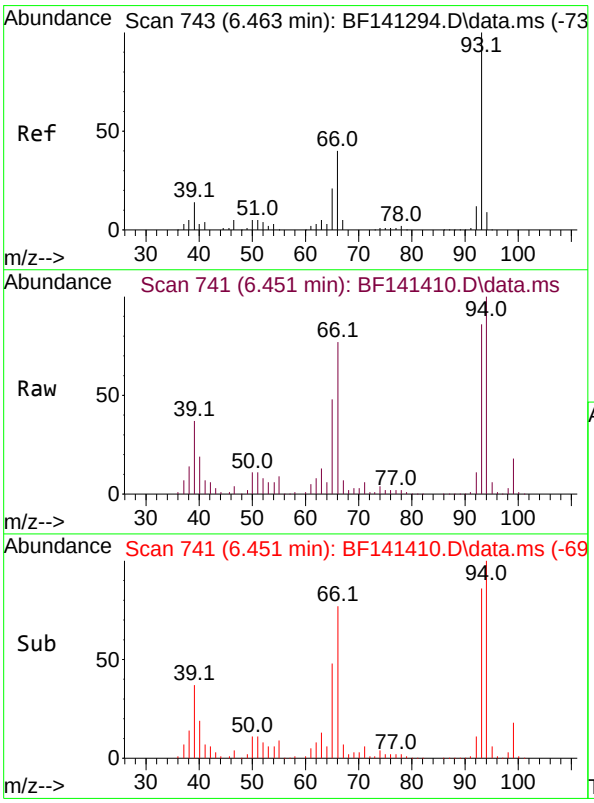
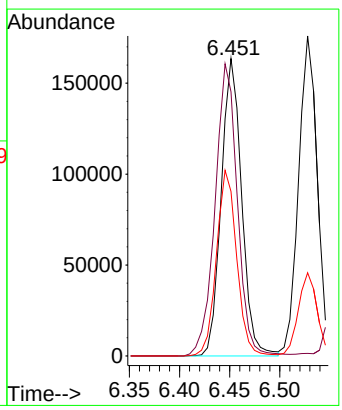


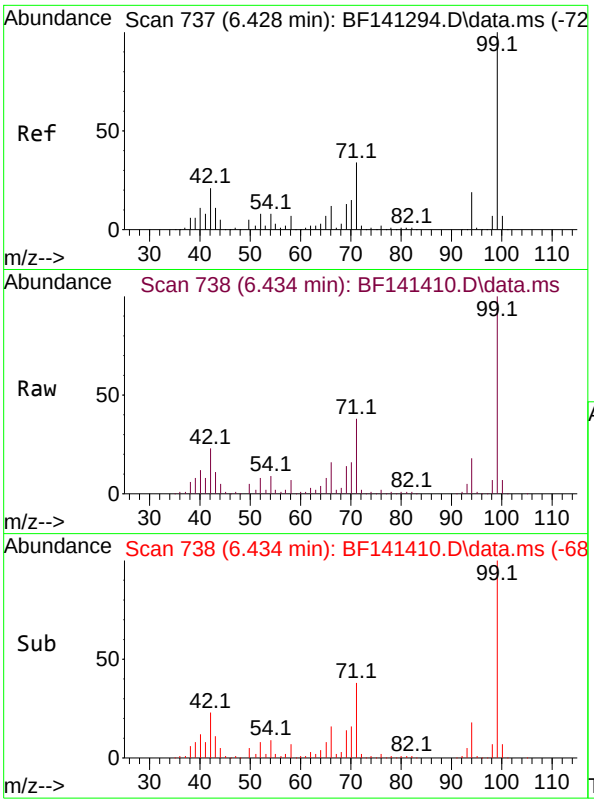


#6
Aniline
Concen: 36.617 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 93 Resp: 231086

Ion	Ratio	Lower	Upper
93	100		
66	88.8	32.5	48.7#
65	55.3	17.0	25.6#

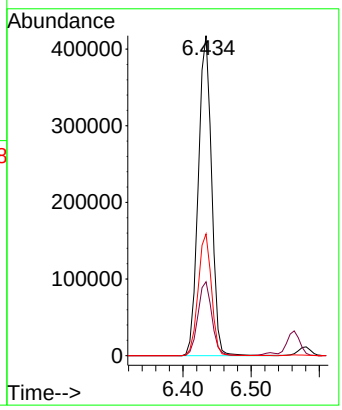




#7
Phenol-d6
Concen: 75.891 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 99 Resp: 56580

Ion	Ratio	Lower	Upper
99	100		
42	23.1	17.1	25.7
71	38.0	26.9	40.3



Instrument :
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ClientSampleId :
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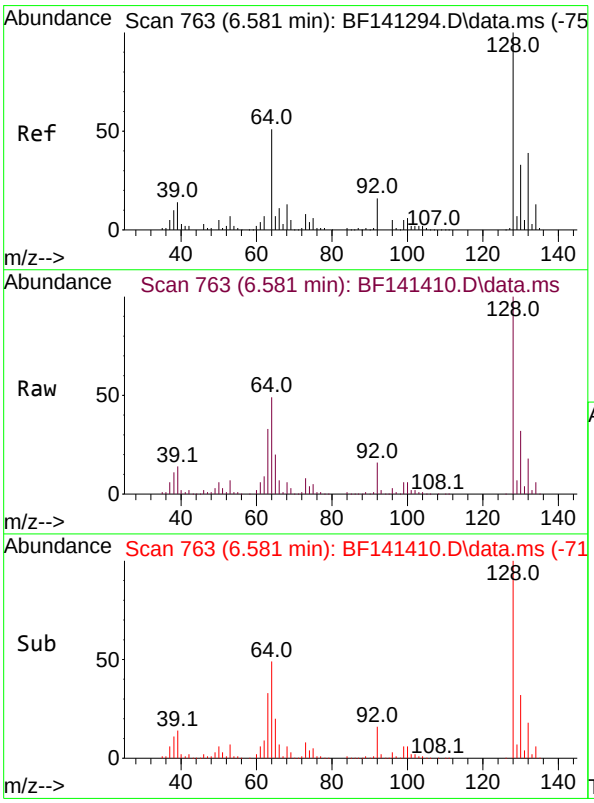
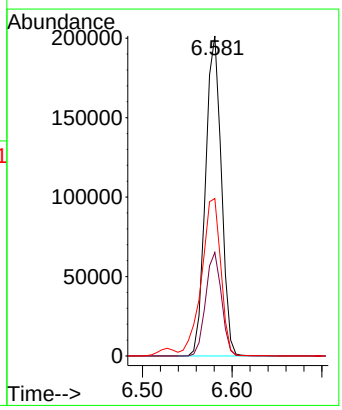
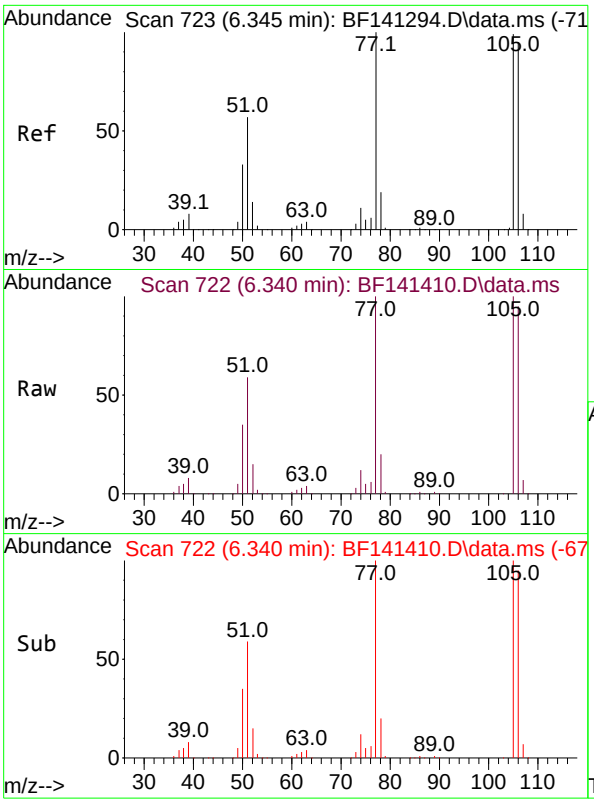


#8
2-Chlorophenol
Concen: 39.195 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:128 Resp: 246203

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.5	52.5
64	49.2	32.9	72.9

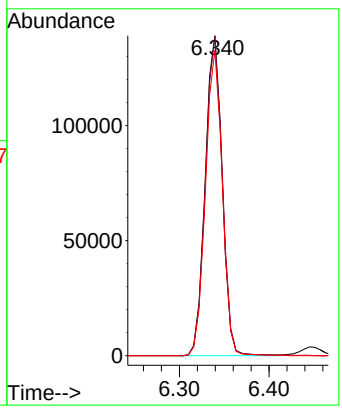




#9
Benzaldehyde
Concen: 42.215 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 77 Resp: 18230

Ion	Ratio	Lower	Upper
77	100		
105	99.8	79.4	119.4
106	95.4	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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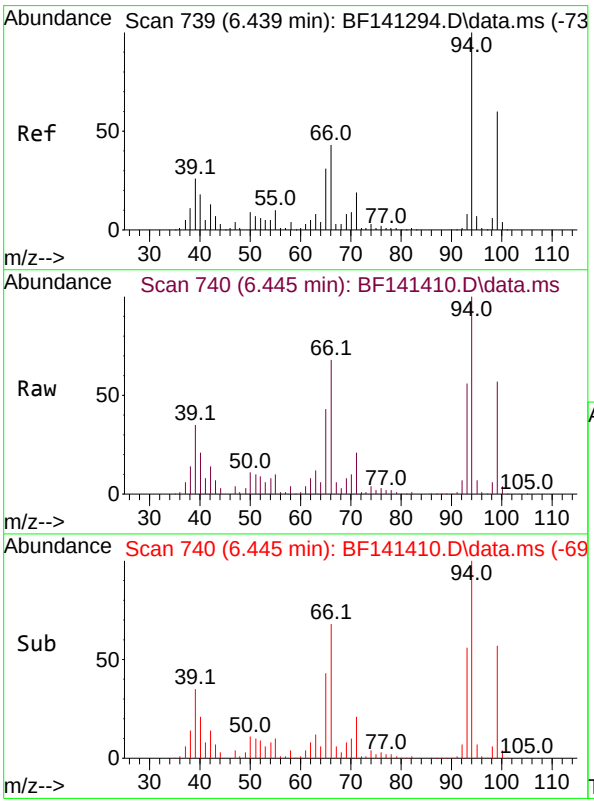
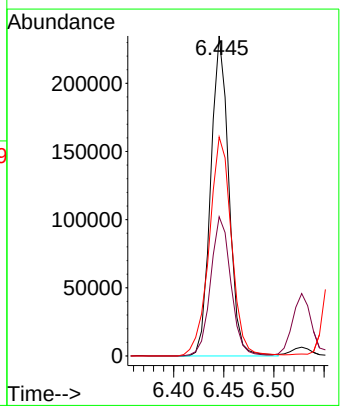
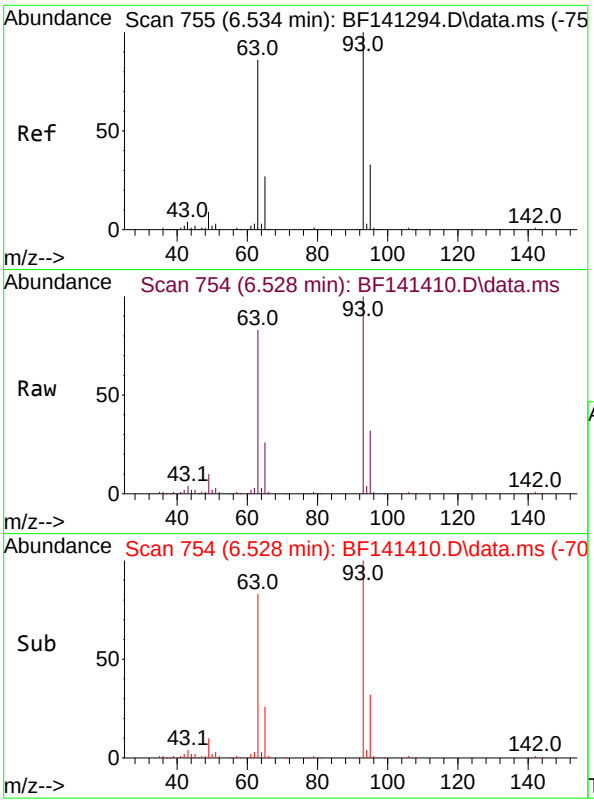


#10
Phenol
Concen: 37.247 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 94 Resp: 294371

Ion	Ratio	Lower	Upper
94	100		
65	43.5	10.8	50.8
66	68.5	23.3	63.3#

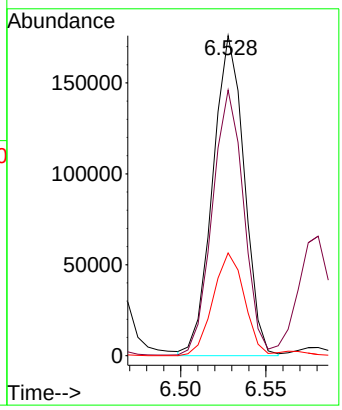




#11
bis(2-Chloroethyl)ether
Concen: 37.395 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 93 Resp: 22660

Ion	Ratio	Lower	Upper
93	100		
63	83.0	65.0	105.0
95	32.1	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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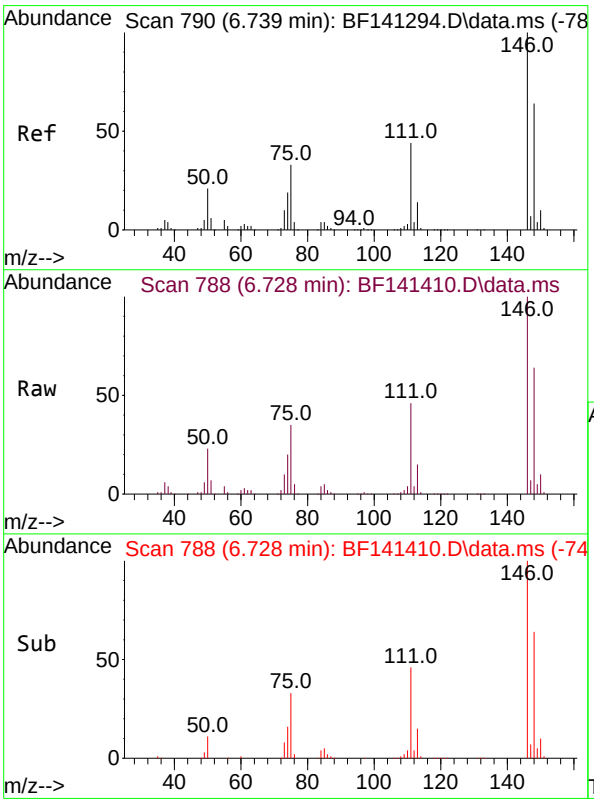
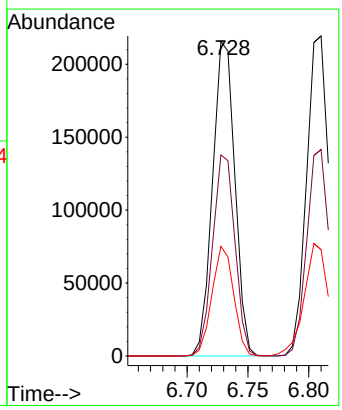
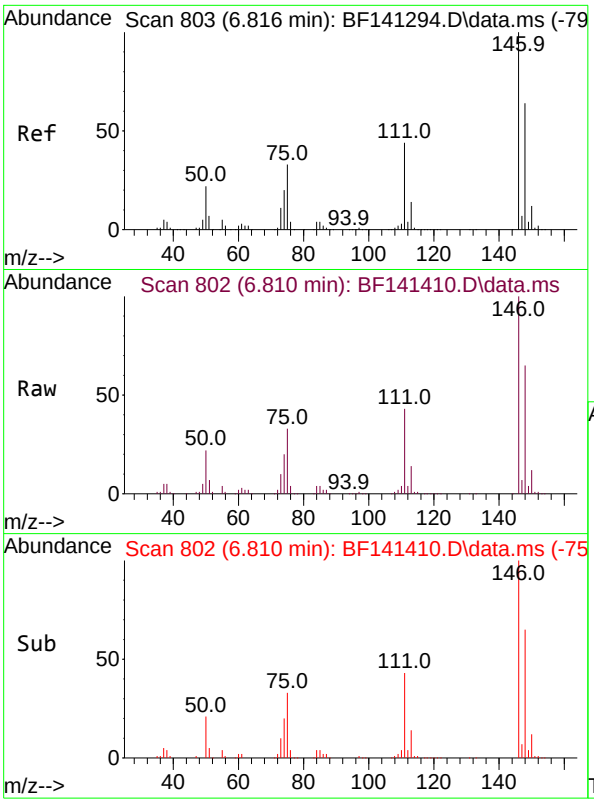


#12
1,3-Dichlorobenzene
Concen: 39.813 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:146 Resp: 275749

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
75	34.8	26.2	39.4

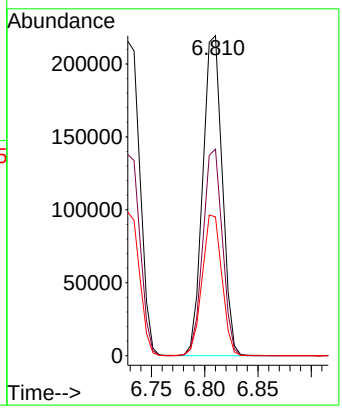




#13
1,4-Dichlorobenzene
Concen: 40.169 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:146 Resp: 27949

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.2	76.8
111	43.4	35.0	52.4



Instrument :
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ClientSampleId :
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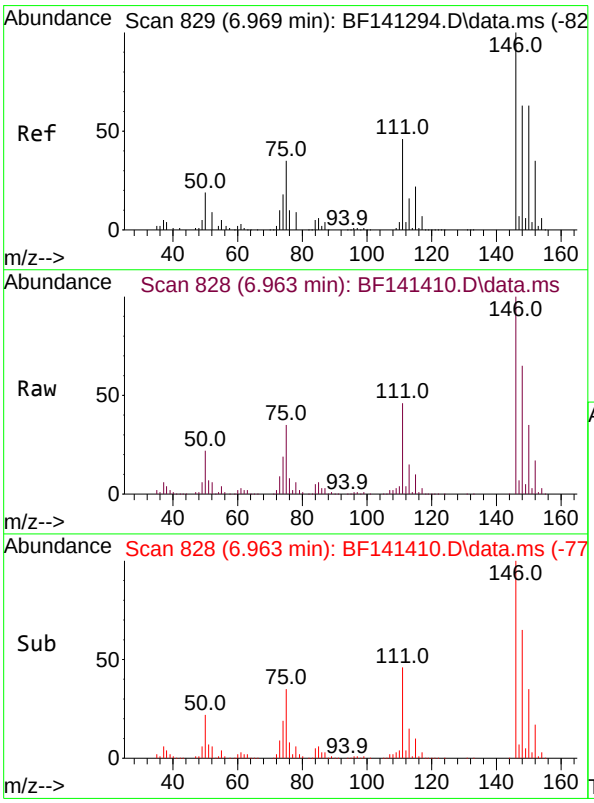
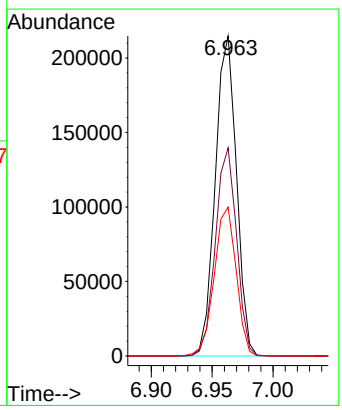
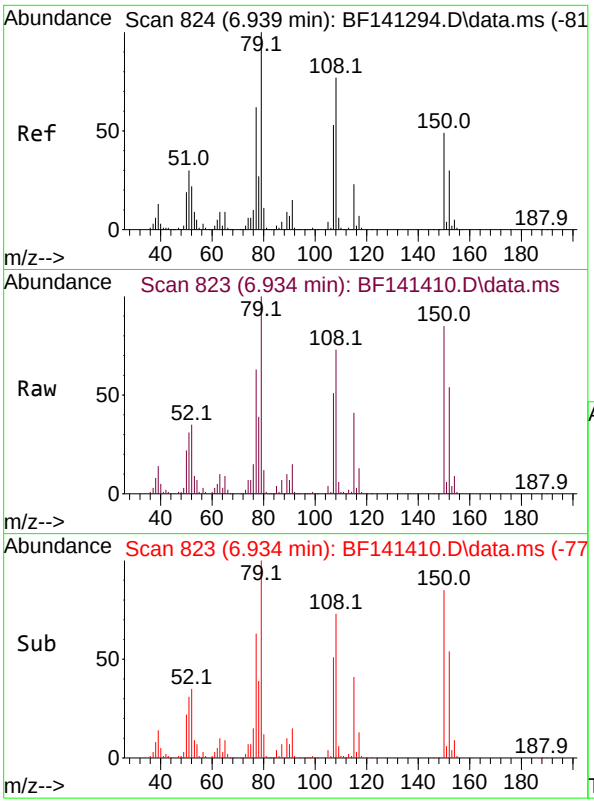


#14
1,2-Dichlorobenzene
Concen: 39.932 ng
RT: 6.963 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:146 Resp: 260169

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.5	75.7
111	46.5	36.6	55.0

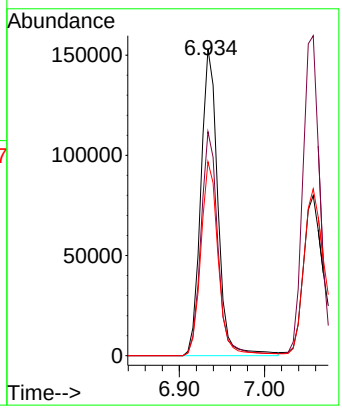




#15
Benzyl Alcohol
Concen: 41.681 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 79 Resp: 21236

Ion	Ratio	Lower	Upper
79	100		
108	73.0	61.4	92.0
77	63.2	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
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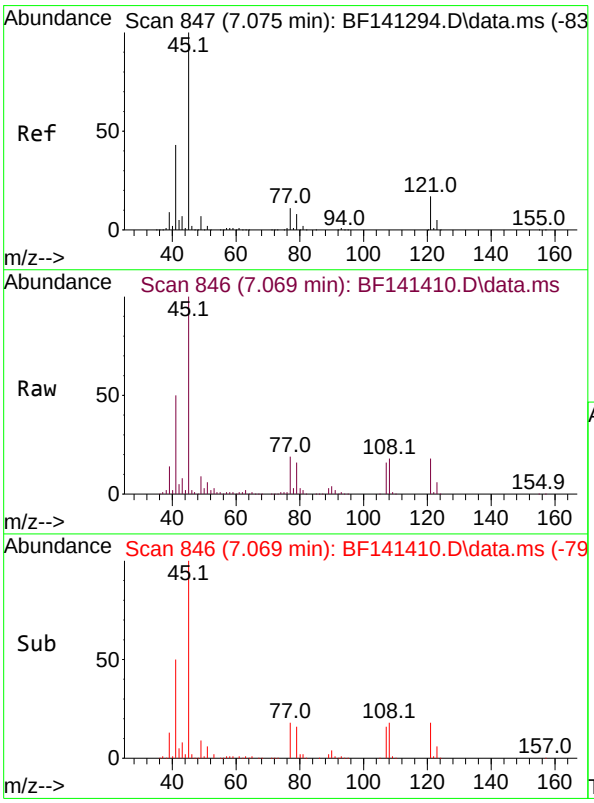
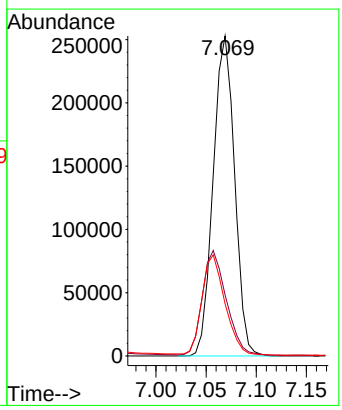
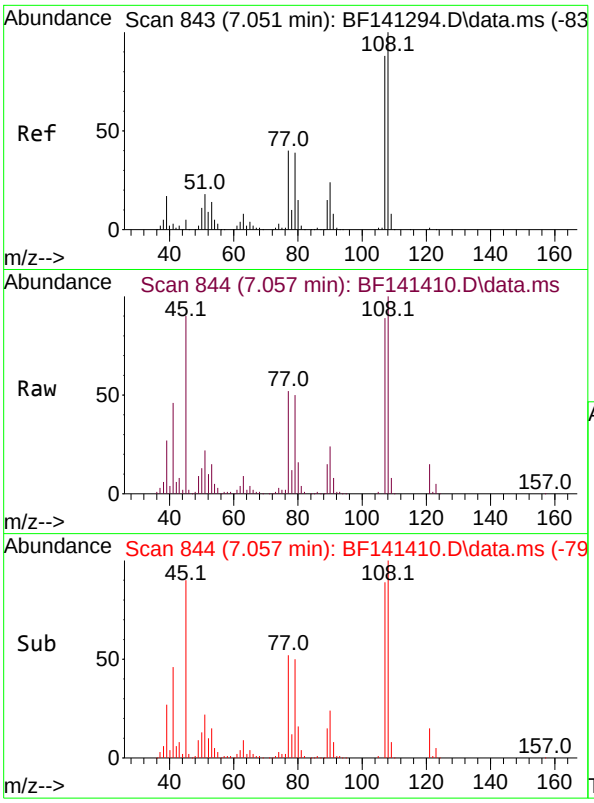


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.664 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 45 Resp: 375805

Ion	Ratio	Lower	Upper
45	100		
77	19.1	0.0	31.8
79	16.3	0.0	29.1

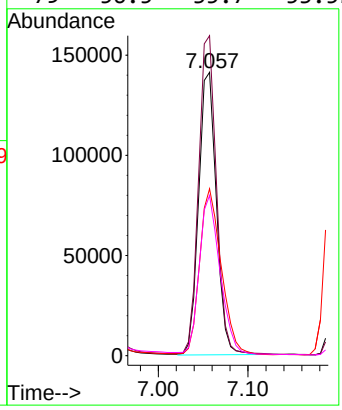




#17
2-Methylphenol
Concen: 38.055 ng
RT: 7.057 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:107 Resp: 19428

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.8	136.2
77	58.9	36.2	54.4#
79	56.5	35.7	53.5#



Instrument :
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ClientSampleId :
SSTDCCC040

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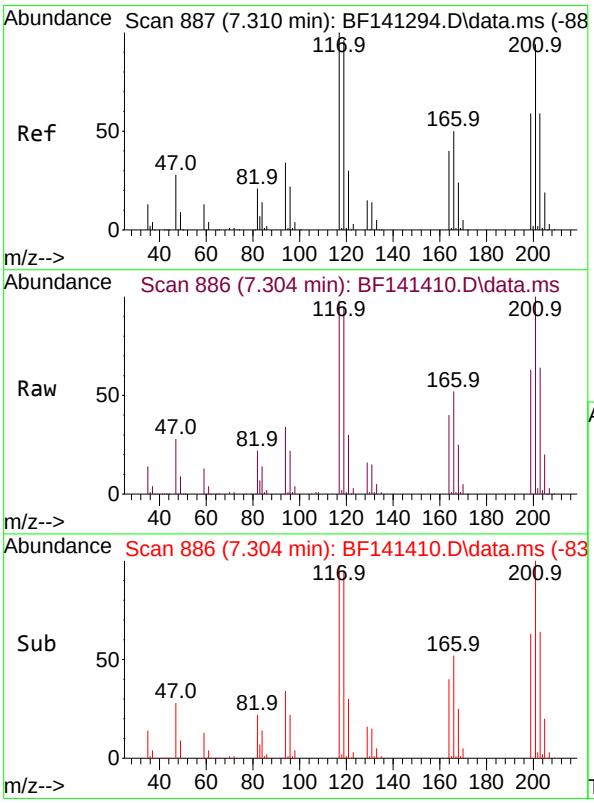
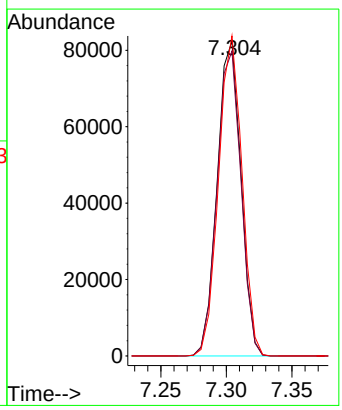
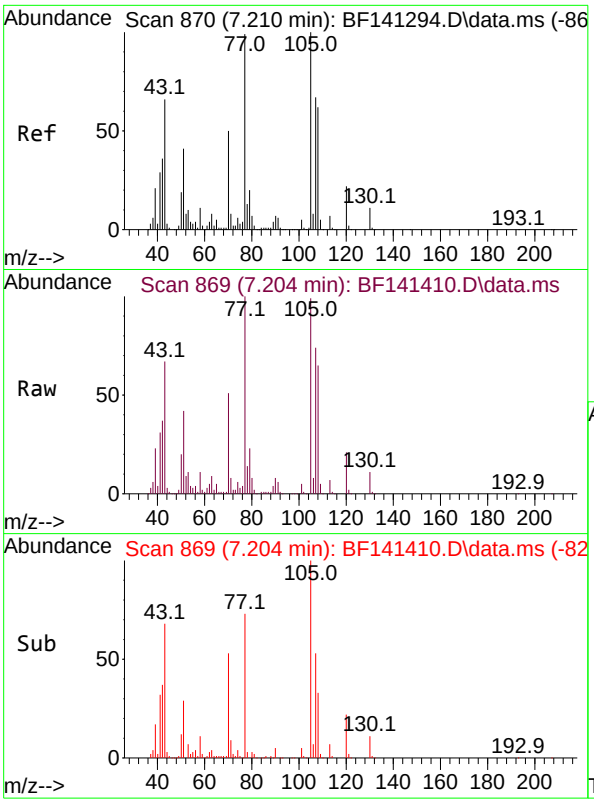


#18
Hexachloroethane
Concen: 40.467 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:117 Resp: 103872

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	114.8
201	101.6	74.8	112.2

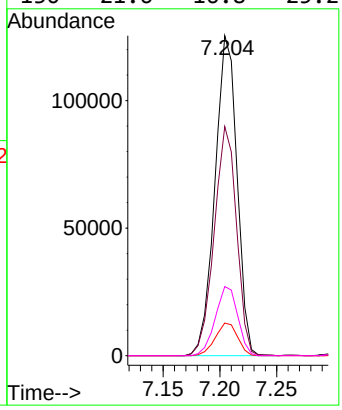




#19
n-Nitroso-di-n-propylamine
Concen: 38.325 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 70 Resp: 16978

Ion	Ratio	Lower	Upper
70	100		
42	71.6	56.8	85.2
101	10.2	7.7	11.5
130	21.6	16.8	25.2



Instrument :
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ClientSampleId :
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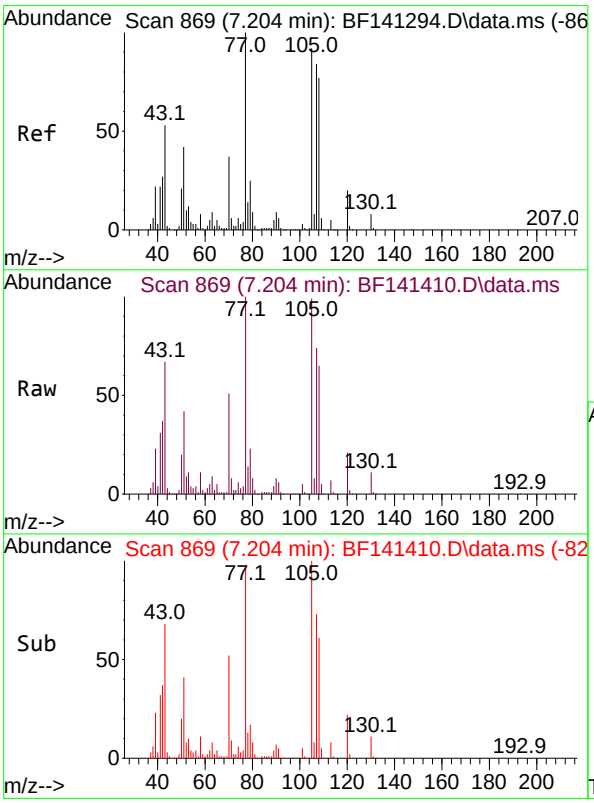
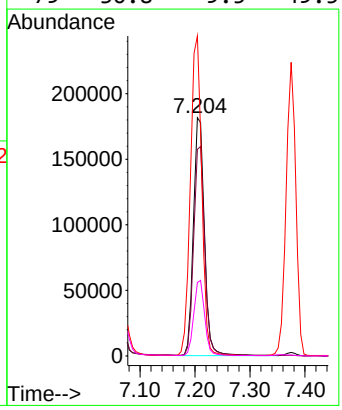
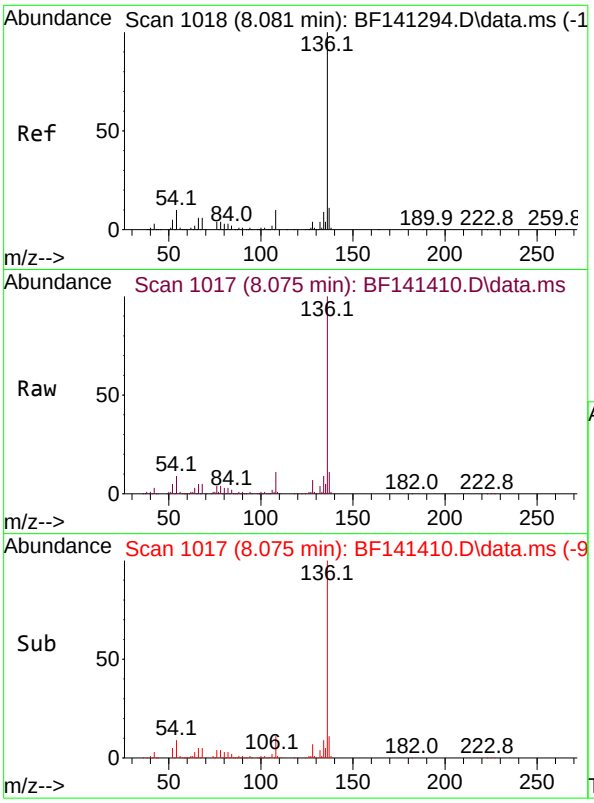


#20
3+4-Methylphenols
Concen: 40.064 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:107 Resp: 251134

Ion	Ratio	Lower	Upper
107	100		
108	86.7	70.9	110.9
77	134.3	98.5	138.5
79	30.8	9.5	49.5

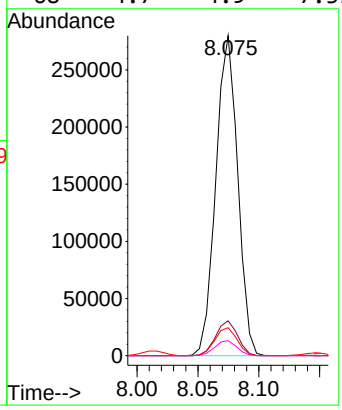




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:136 Resp: 34969

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	7.8	11.8
68	4.7	4.9	7.3#



Instrument :
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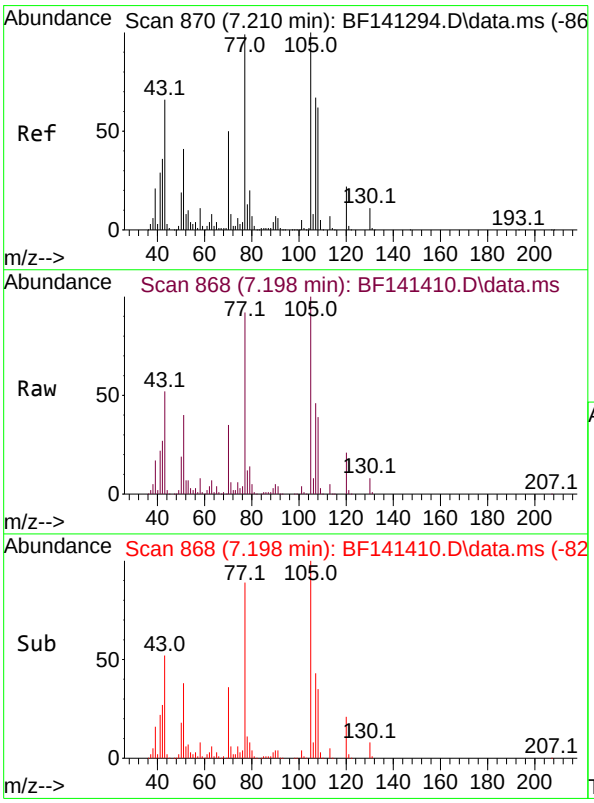
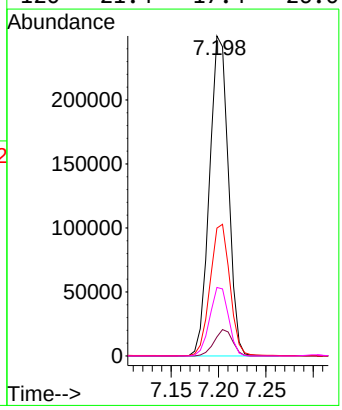
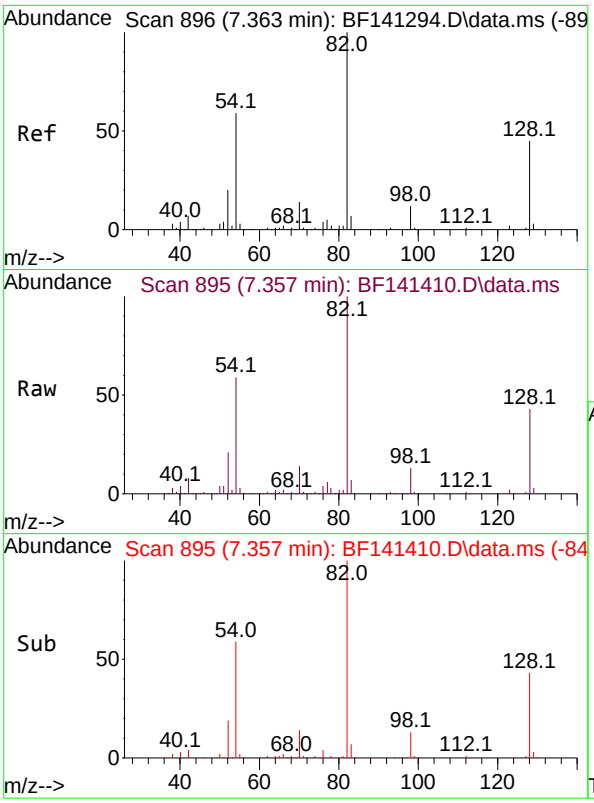


#22
Acetophenone
Concen: 41.572 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:105 Resp: 345559

Ion	Ratio	Lower	Upper
105	100		
71	5.9	6.8	10.2#
51	39.9	32.6	49.0
120	21.4	17.4	26.0

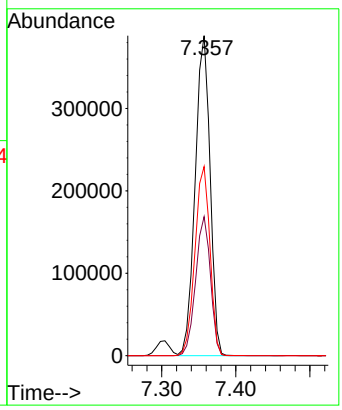




#23
Nitrobenzene-d5
Concen: 81.851 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 82 Resp: 54296

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.7	53.5
54	59.1	47.1	70.7



Instrument :
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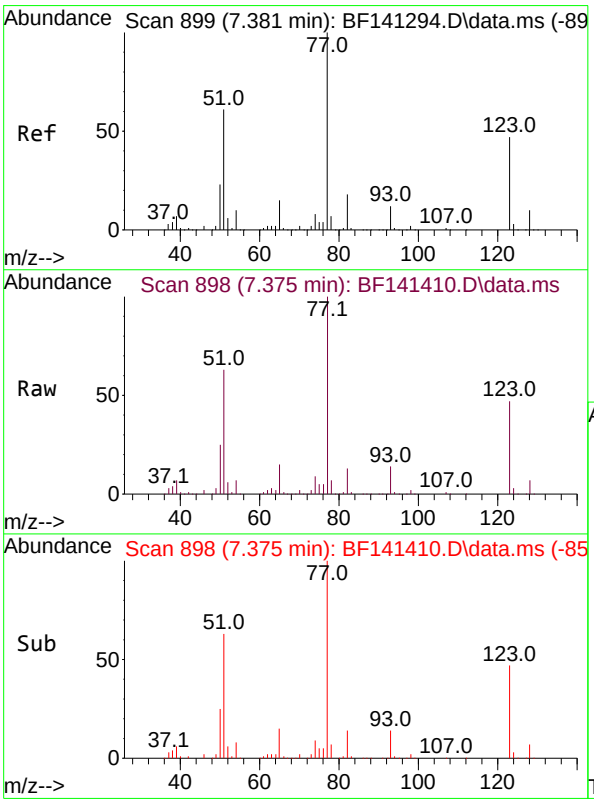
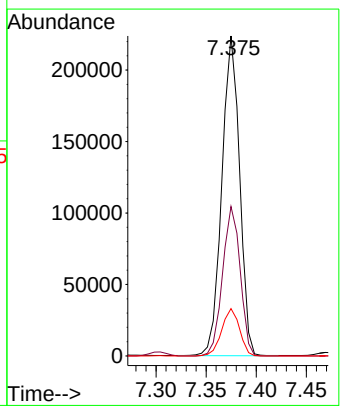
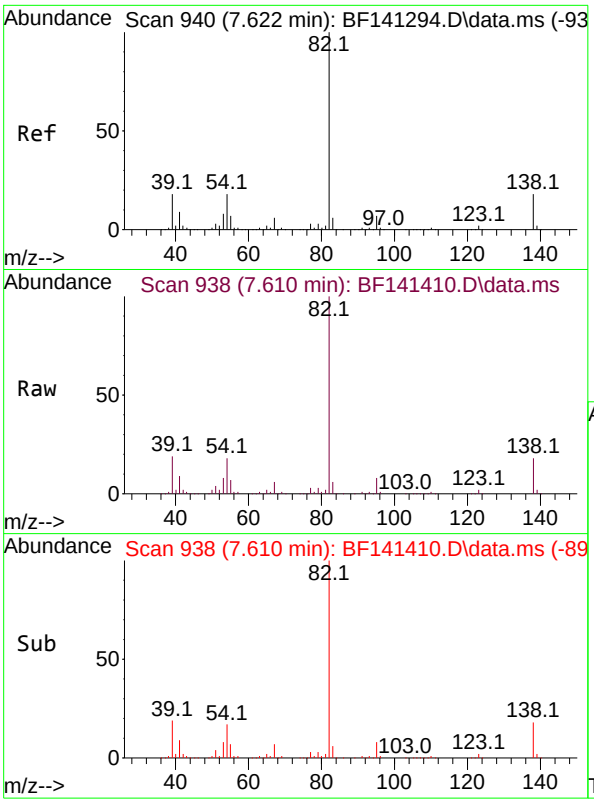


#24
Nitrobenzene
Concen: 40.006 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 77 Resp: 275017

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.3	55.9
65	14.8	11.8	17.6

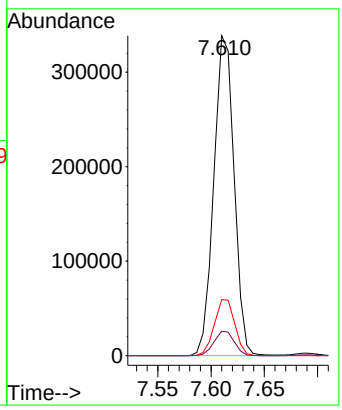




#25
Isophorone
Concen: 39.031 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 82 Resp: 44755

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.8	8.6
138	17.5	14.7	22.1



Instrument :
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ClientSampleId :
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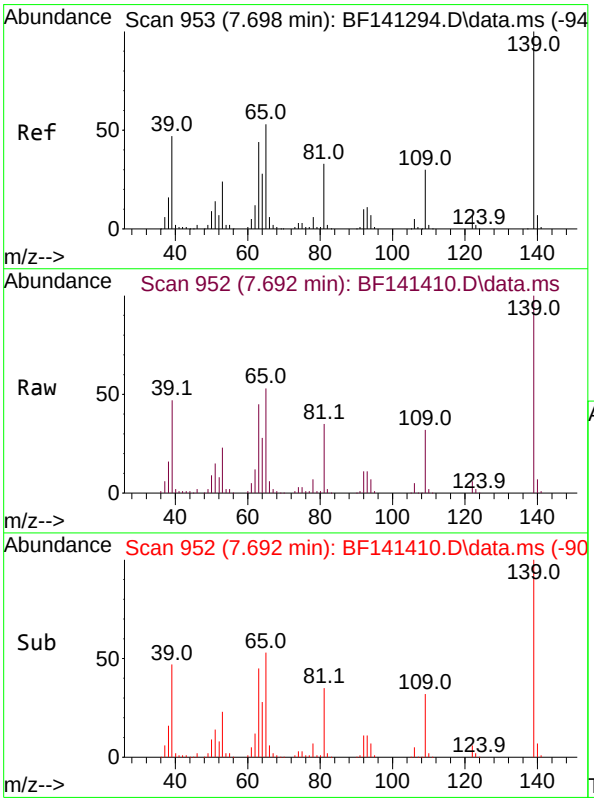
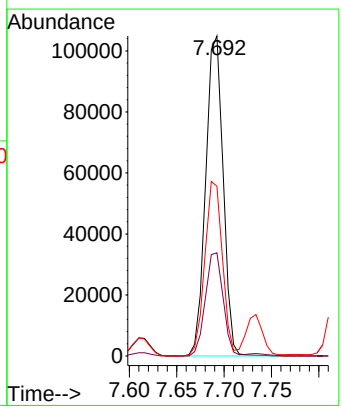
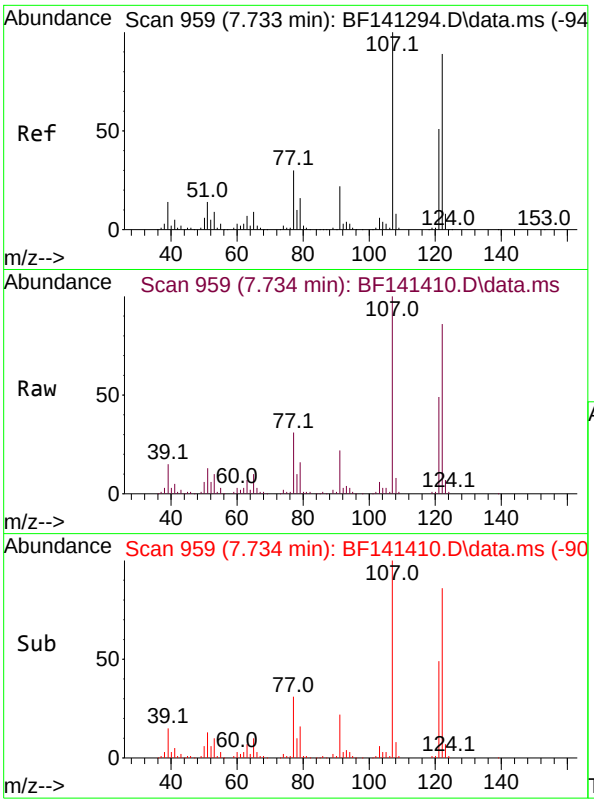


#26
2-Nitrophenol
Concen: 41.393 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:139 Resp: 134199

Ion	Ratio	Lower	Upper
139	100		
109	32.3	23.8	35.6
65	53.0	42.2	63.4

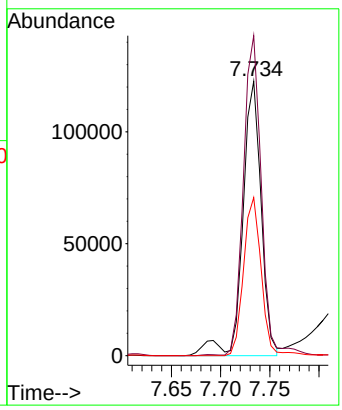




#27
2,4-Dimethylphenol
Concen: 38.672 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:122 Resp: 15958

Ion	Ratio	Lower	Upper
122	100		
107	116.6	89.9	134.9
121	57.6	46.1	69.1



Instrument :
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ClientSampleId :
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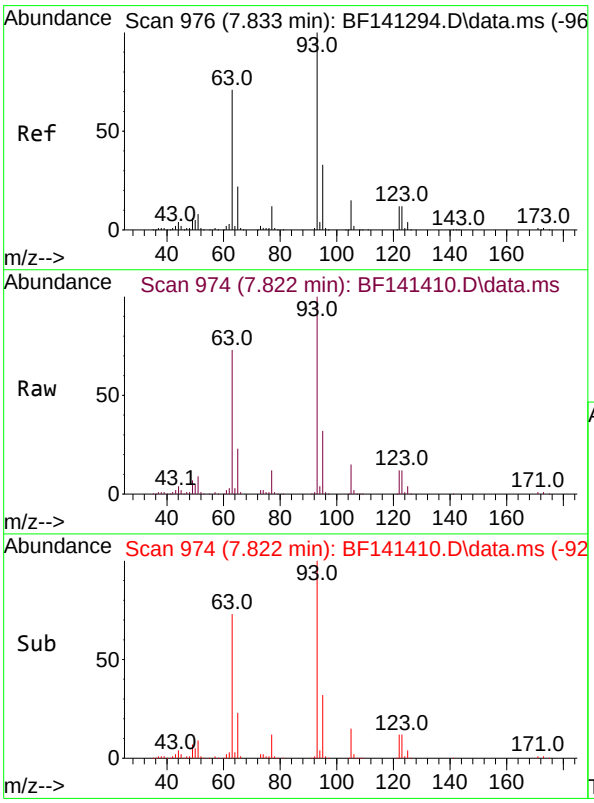
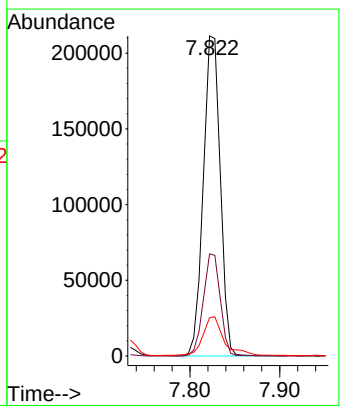
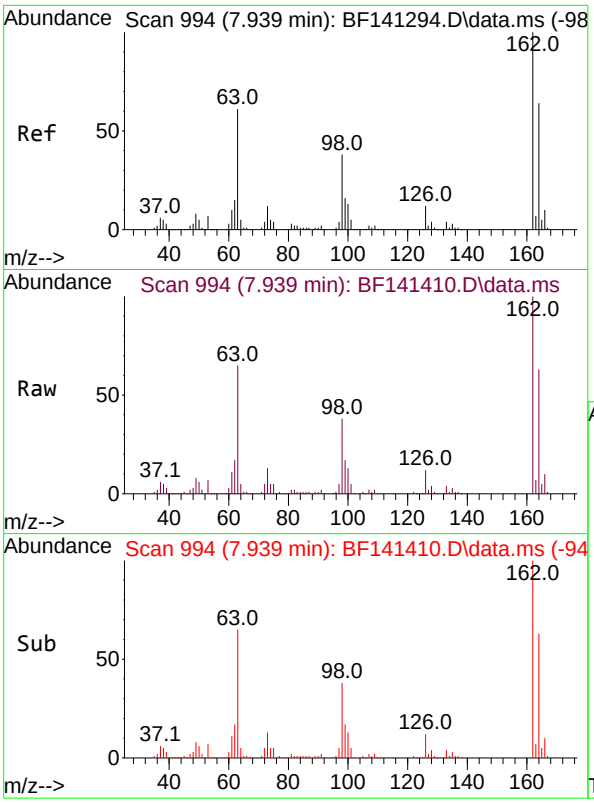


#28
bis(2-Chloroethoxy)methane
Concen: 38.030 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 93 Resp: 278158

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.2
123	12.0	10.2	15.4

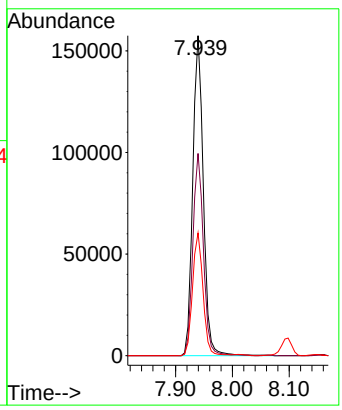




#29
2,4-Dichlorophenol
Concen: 40.477 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:162 Resp: 20448

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.2	84.2
98	38.3	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
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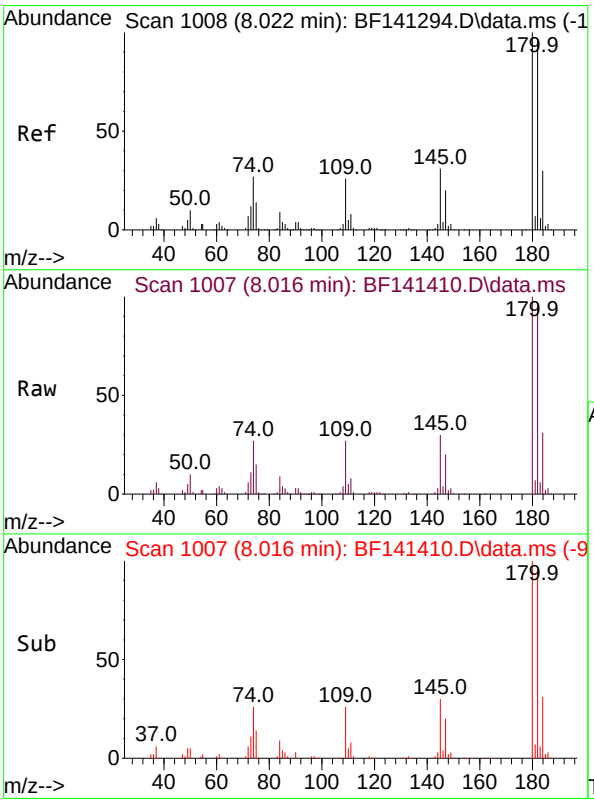
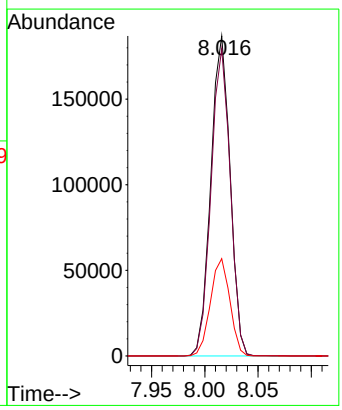
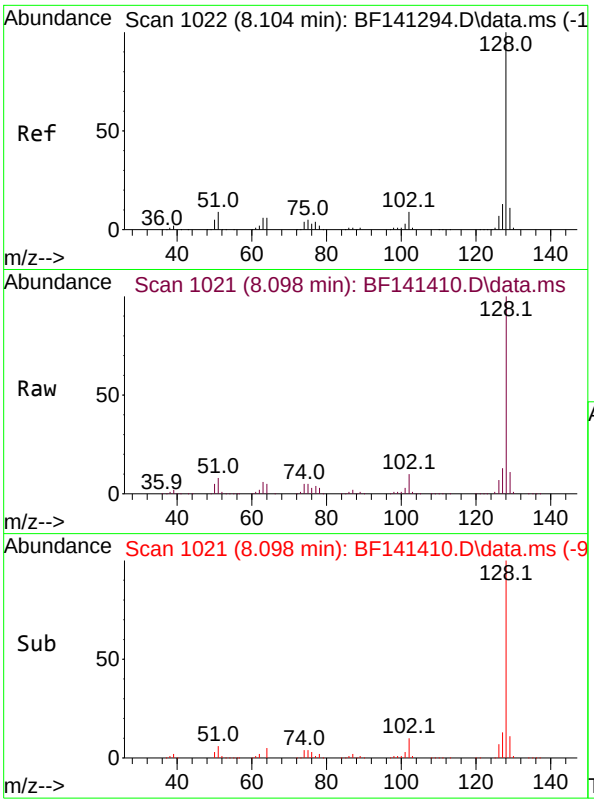


#30
1,2,4-Trichlorobenzene
Concen: 40.839 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:180 Resp: 235617

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.4	114.6
145	30.4	24.9	37.3

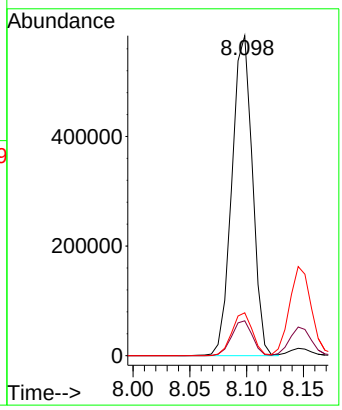




#31
Naphthalene
Concen: 39.696 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:128 Resp: 7333

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.4	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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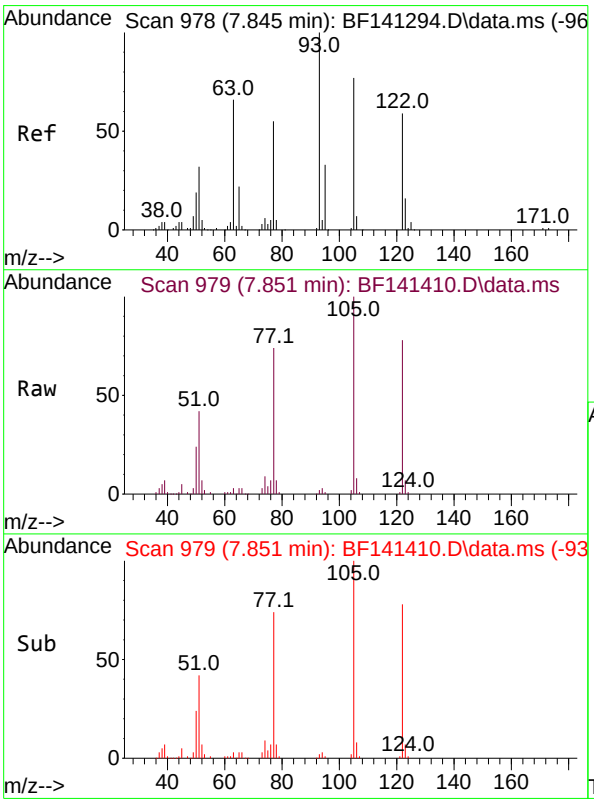
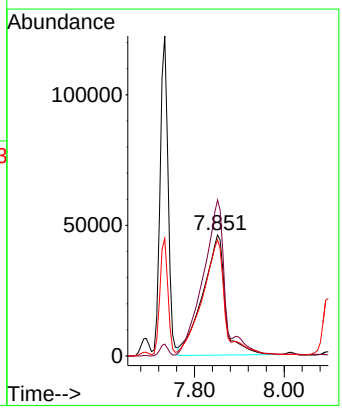
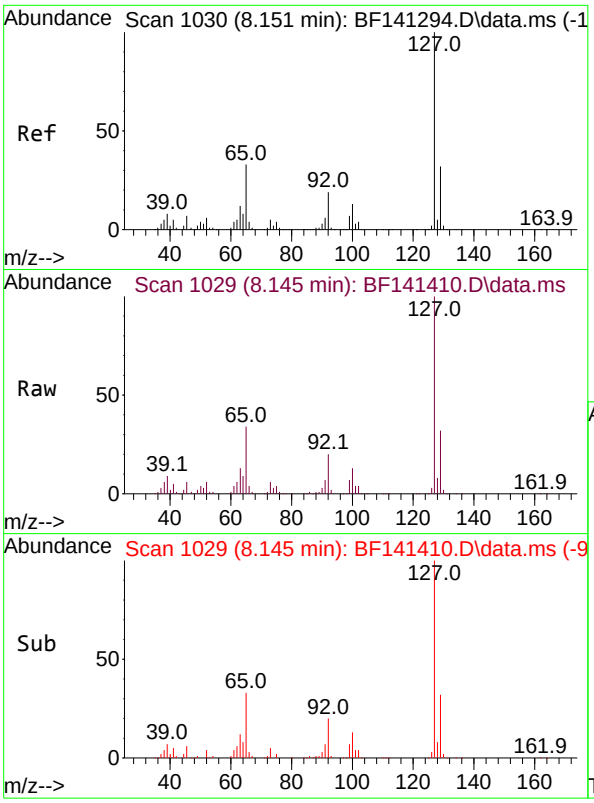


#32
Benzoic acid
Concen: 42.423 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.030 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:122 Resp: 160931

Ion	Ratio	Lower	Upper
122	100		
105	129.0	103.4	143.4
77	96.1	70.9	110.9

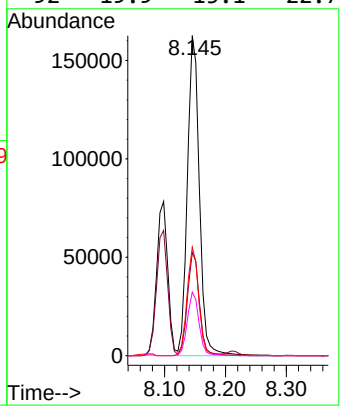




#33
4-Chloroaniline
Concen: 35.561 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:127 Resp: 22276

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	33.9	26.4	39.6
92	19.9	15.1	22.7



Instrument :
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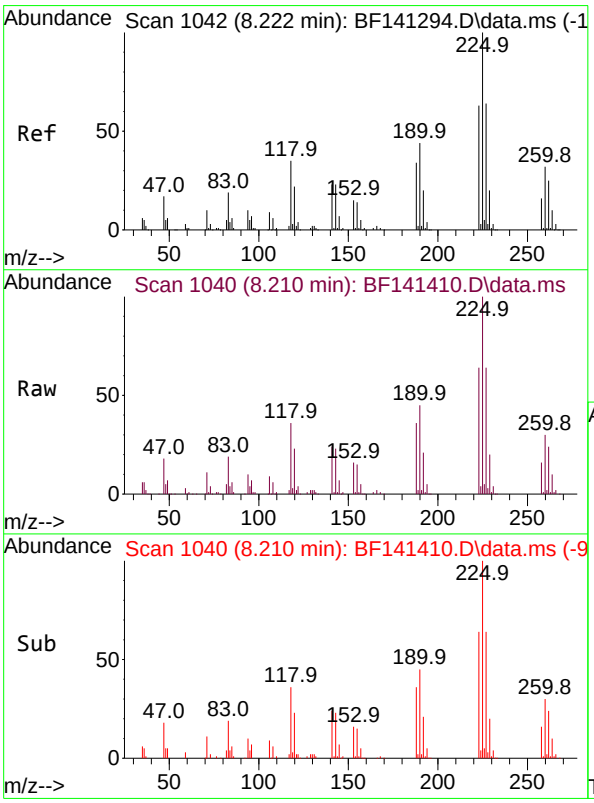
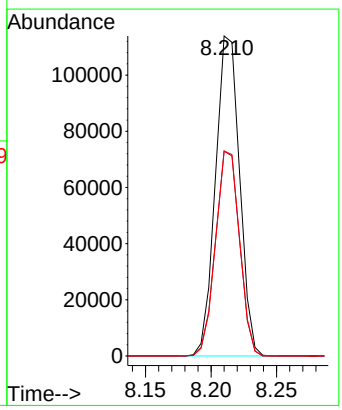
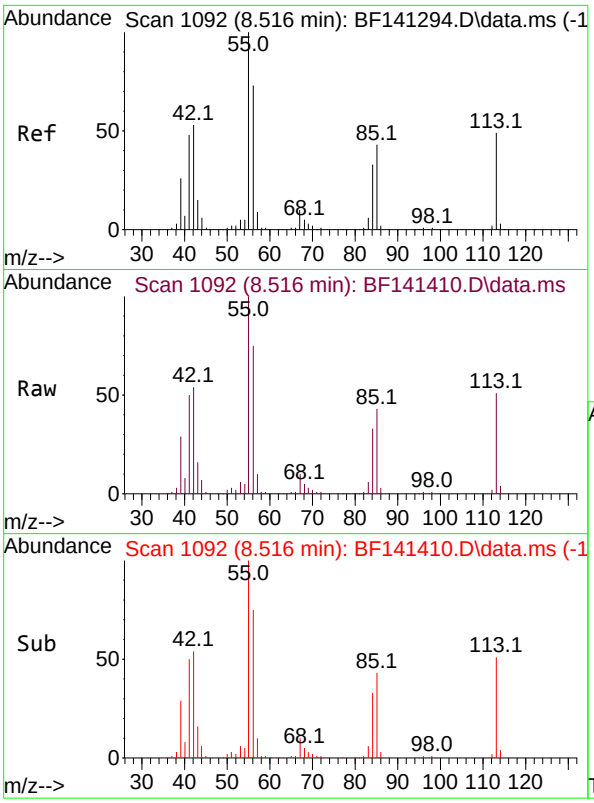


#34
Hexachlorobutadiene
Concen: 43.093 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:225 Resp: 145800

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.4	75.6
227	64.0	51.3	76.9





#35
Caprolactam
Concen: 39.448 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:113 Resp: 6508

Ion	Ratio	Lower	Upper
113	100		
55	195.0	182.9	222.9
56	146.1	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
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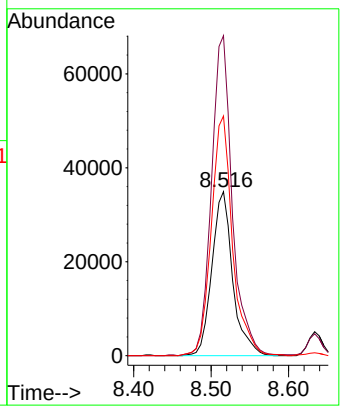
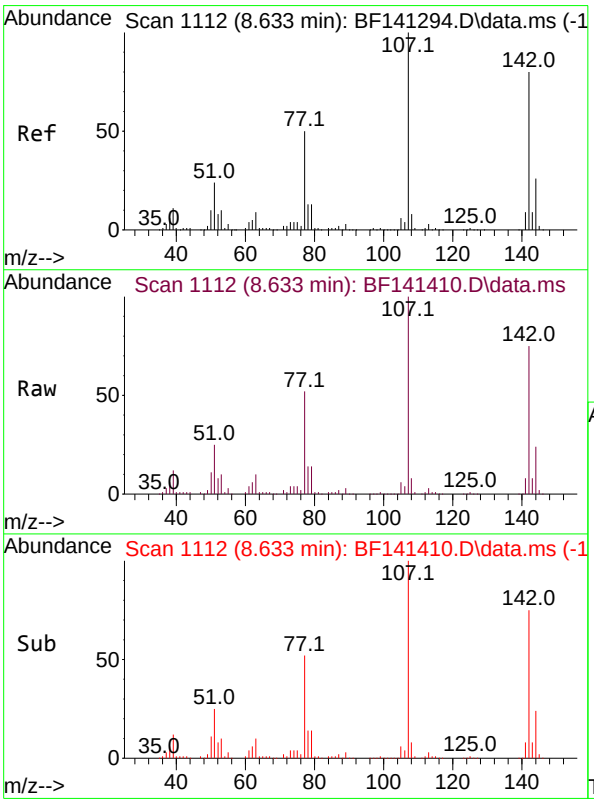
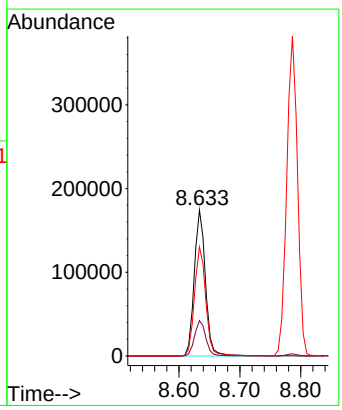


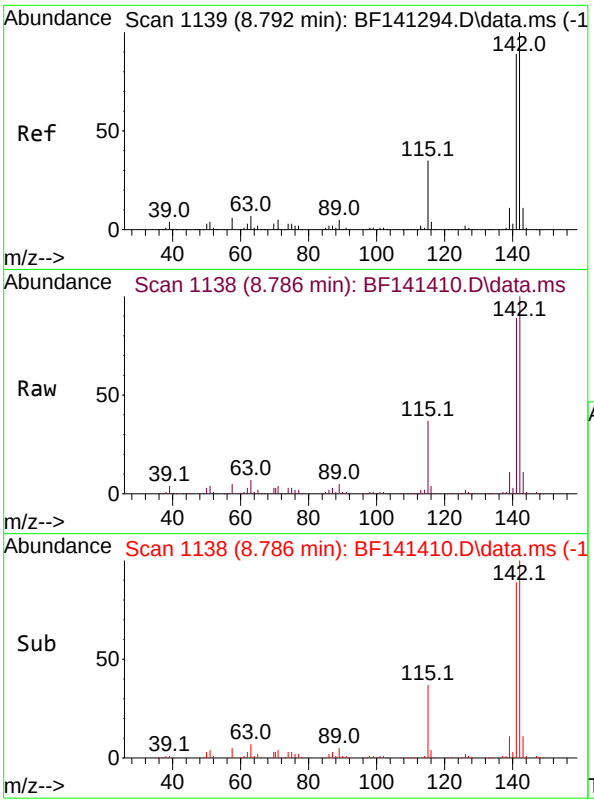


#36
4-Chloro-3-methylphenol
Concen: 41.200 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:107 Resp: 223256

Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.7	31.1
142	74.7	63.8	95.8

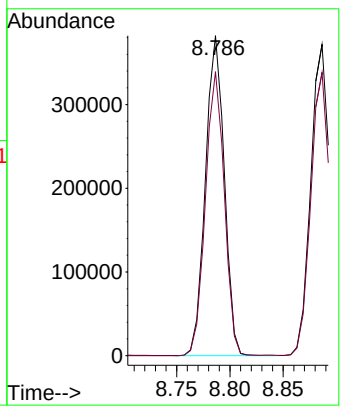




#37
2-Methylnaphthalene
Concen: 40.115 ng
RT: 8.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:142 Resp: 47100

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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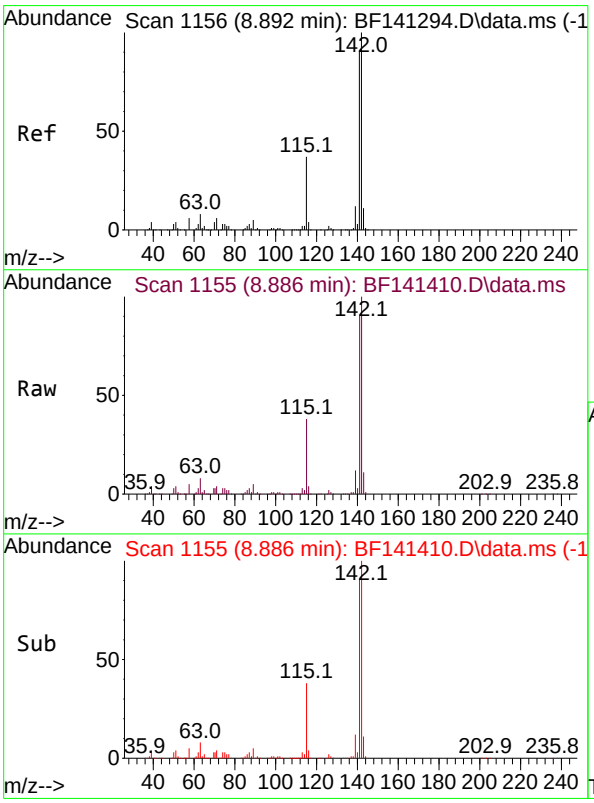
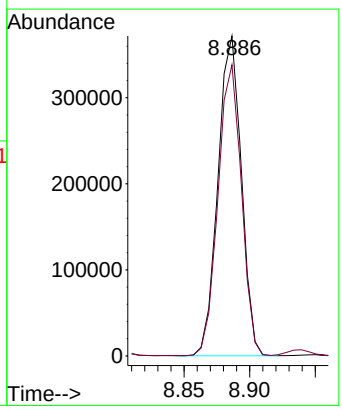
Supervised By :mohammad ahmed 02/05/2025

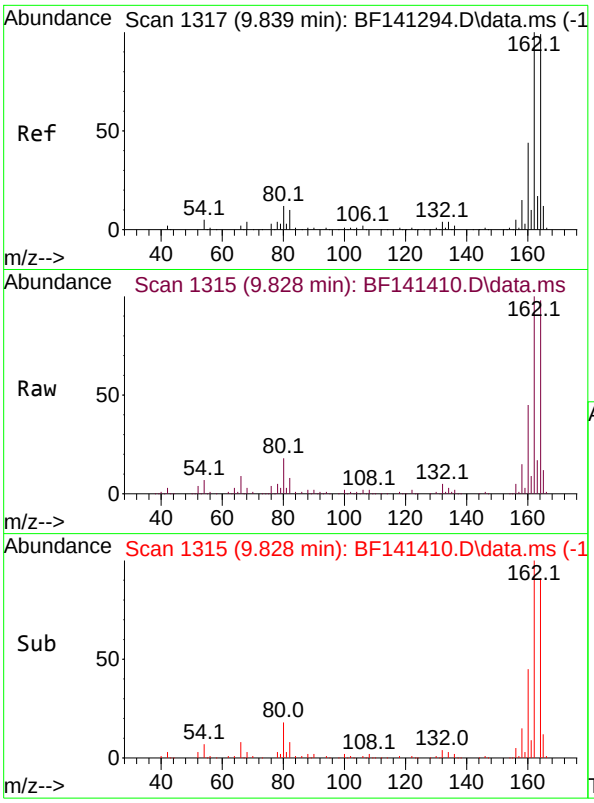


#38
1-Methylnaphthalene
Concen: 39.867 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:142 Resp: 459817

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.2	109.8

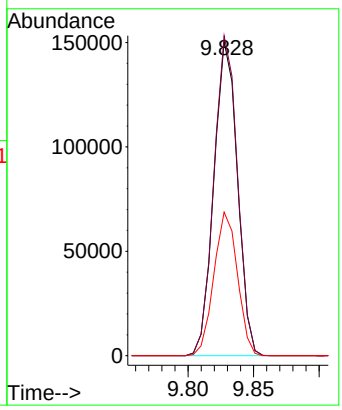




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:164 Resp: 18772

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	121.0
160	45.7	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
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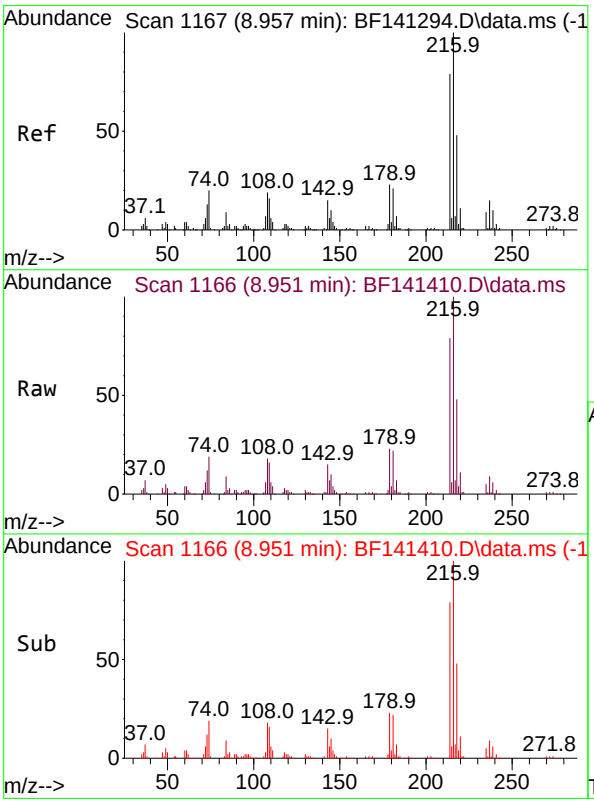
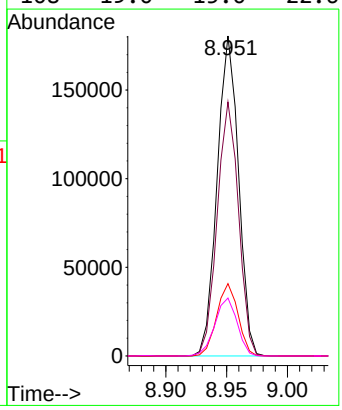
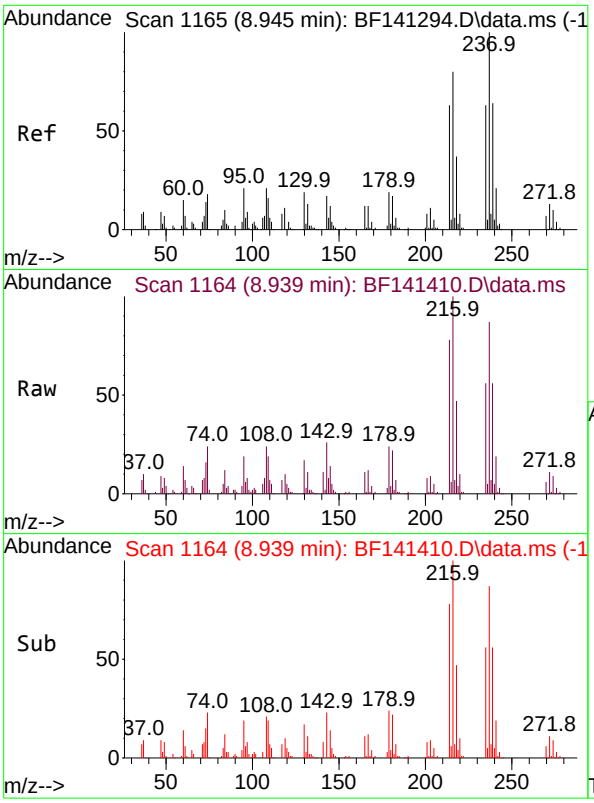


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.284 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:216 Resp: 220482

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	22.6	17.8	26.8
108	19.0	15.0	22.6

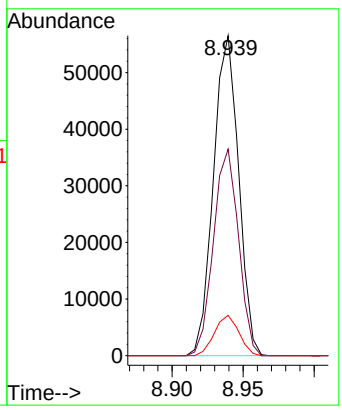




#41
Hexachlorocyclopentadiene
Concen: 44.139 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:237 Resp: 6961

Ion	Ratio	Lower	Upper
237	100		
235	64.5	42.9	82.9
272	12.6	0.0	32.8



Instrument :
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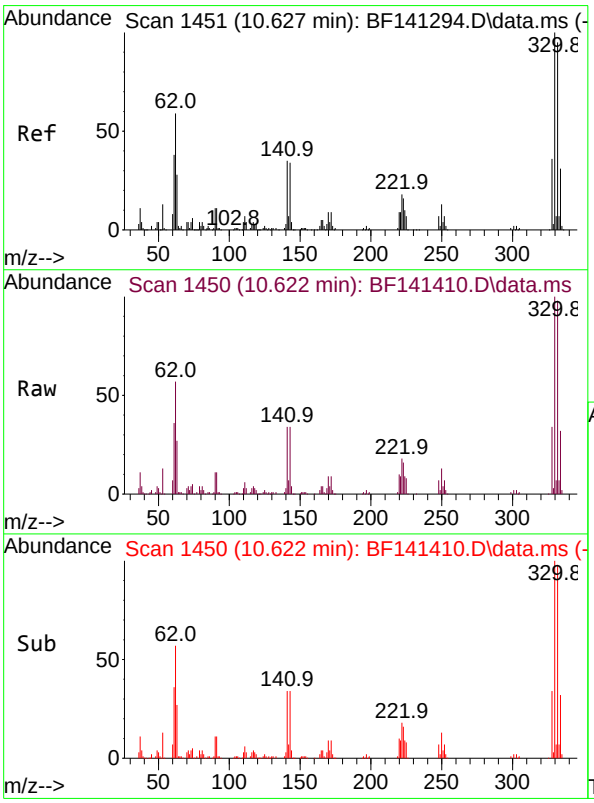
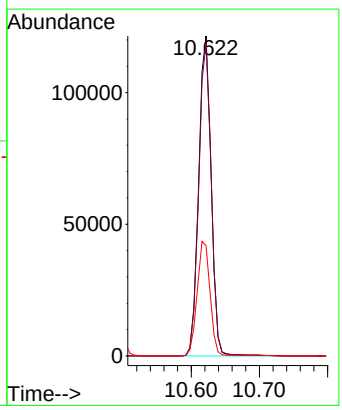
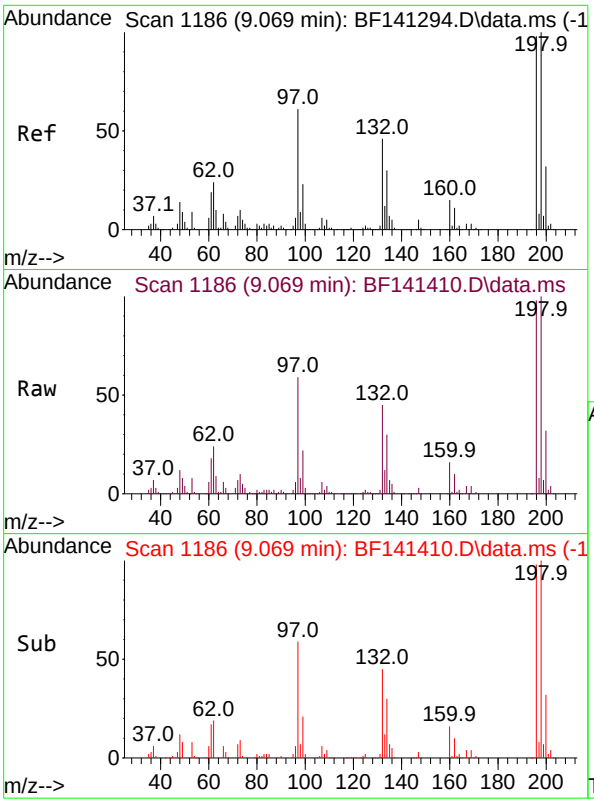


#42
2,4,6-Tribromophenol
Concen: 89.734 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:330 Resp: 154436

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.1	114.1
141	37.1	28.8	43.2

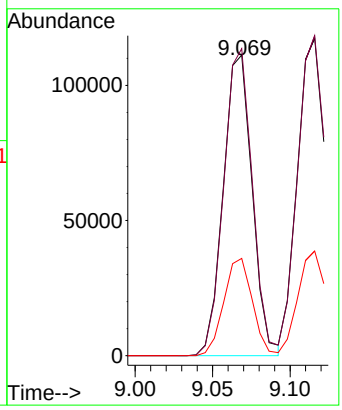




#43
2,4,6-Trichlorophenol
Concen: 41.335 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:196 Resp: 14449

Ion	Ratio	Lower	Upper
196	100		
198	102.1	81.8	122.6
200	32.3	26.3	39.5



Instrument :
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ClientSampleId :
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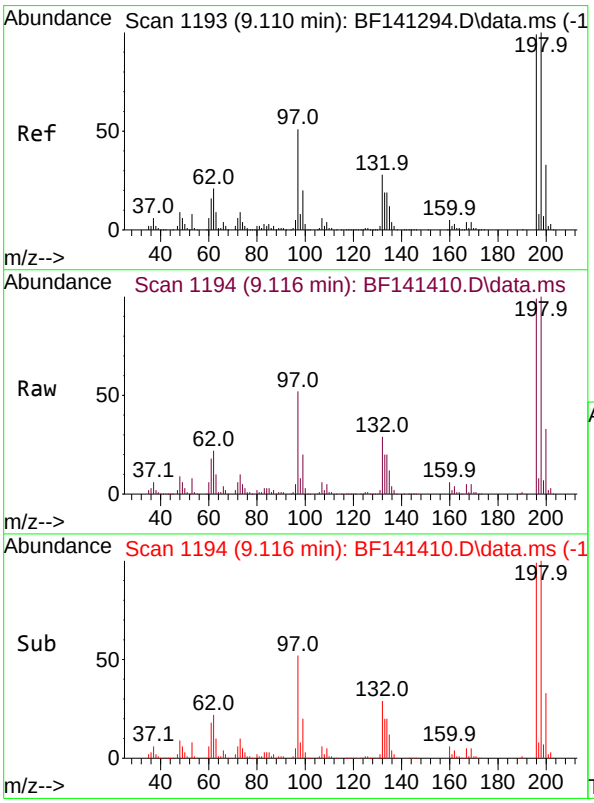
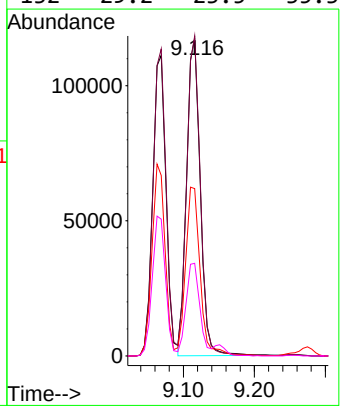
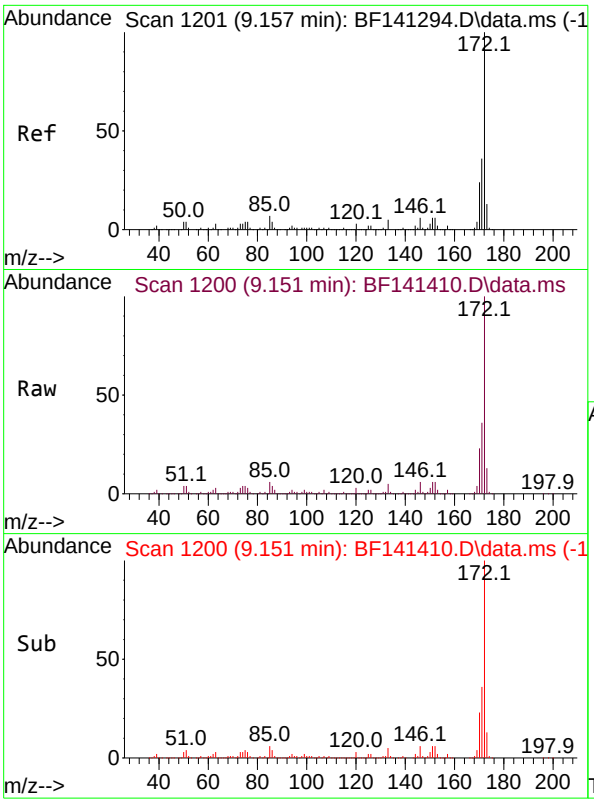


#44
2,4,5-Trichlorophenol
Concen: 41.404 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:196 Resp: 157526

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.5	120.7
97	52.7	42.8	64.2
132	29.2	23.5	35.3

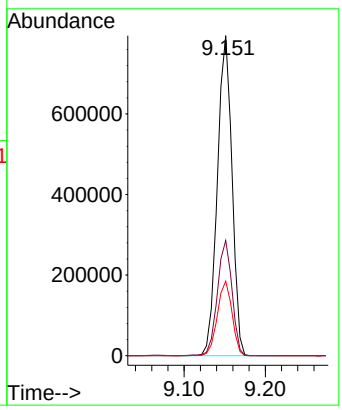




#45
2-Fluorobiphenyl
Concen: 81.709 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:172 Resp: 99657

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.3	19.0	28.6



Instrument :
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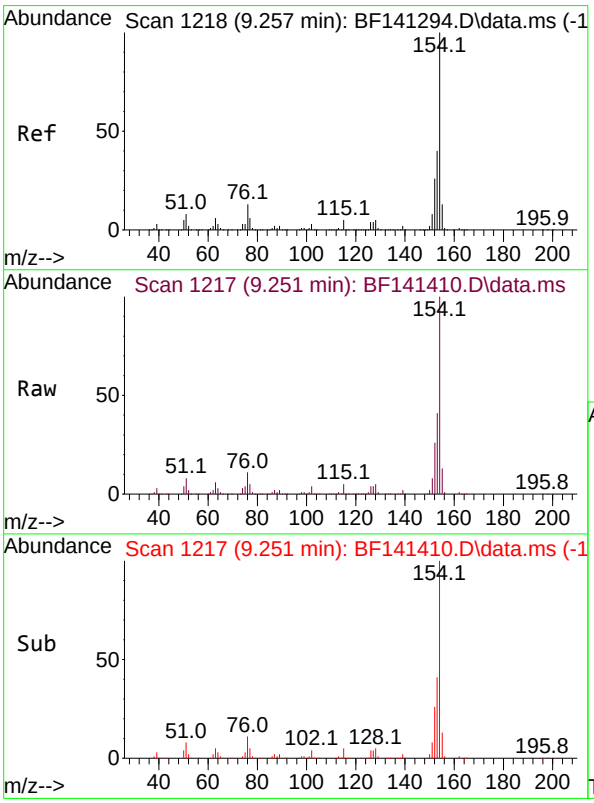
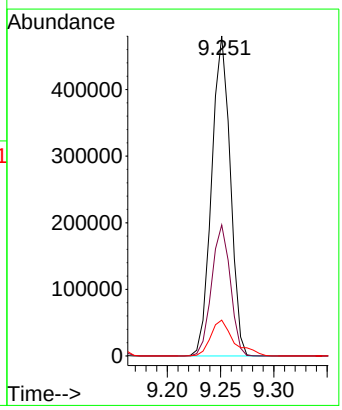
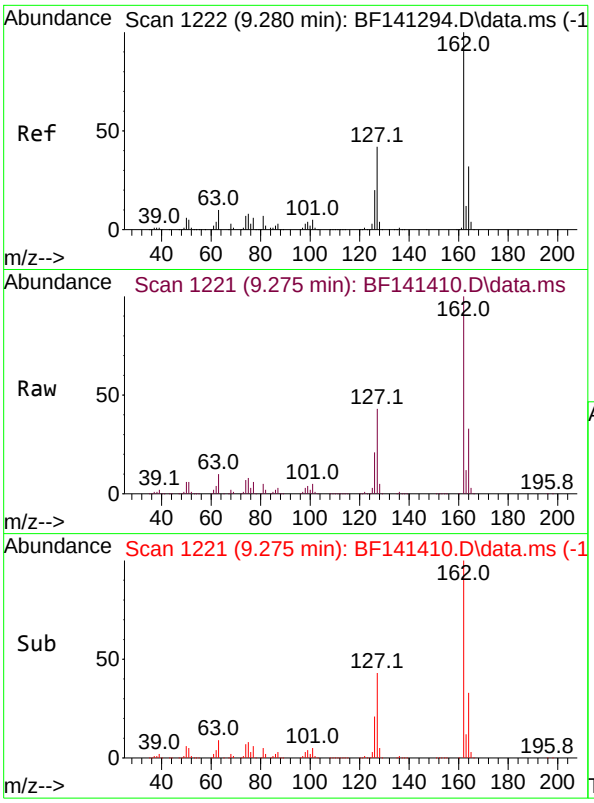


#46
1,1'-Biphenyl
Concen: 39.860 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:154 Resp: 583575

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.0	60.0
76	11.2	0.0	32.8

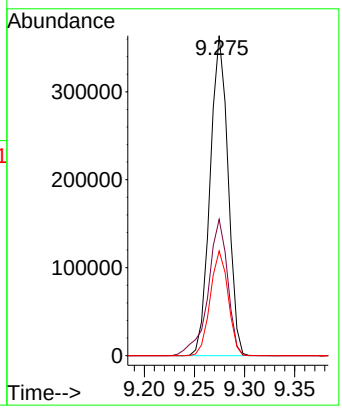




#47
2-Chloronaphthalene
Concen: 39.569 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:162 Resp: 45154

Ion	Ratio	Lower	Upper
162	100		
127	42.6	33.7	50.5
164	32.7	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
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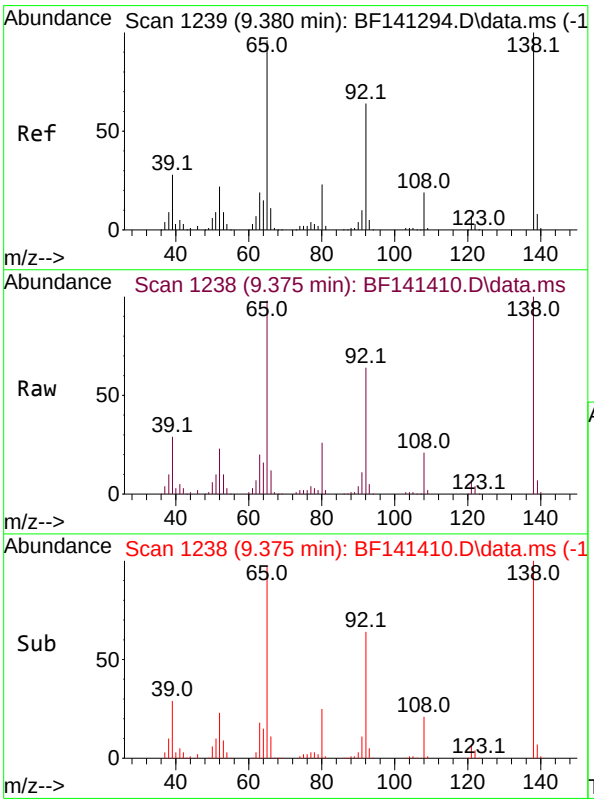
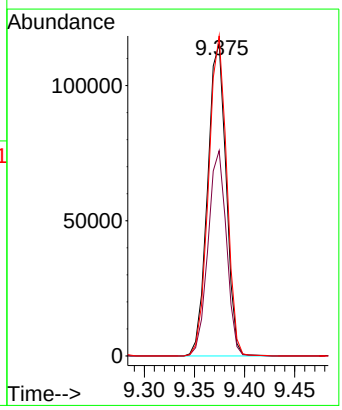
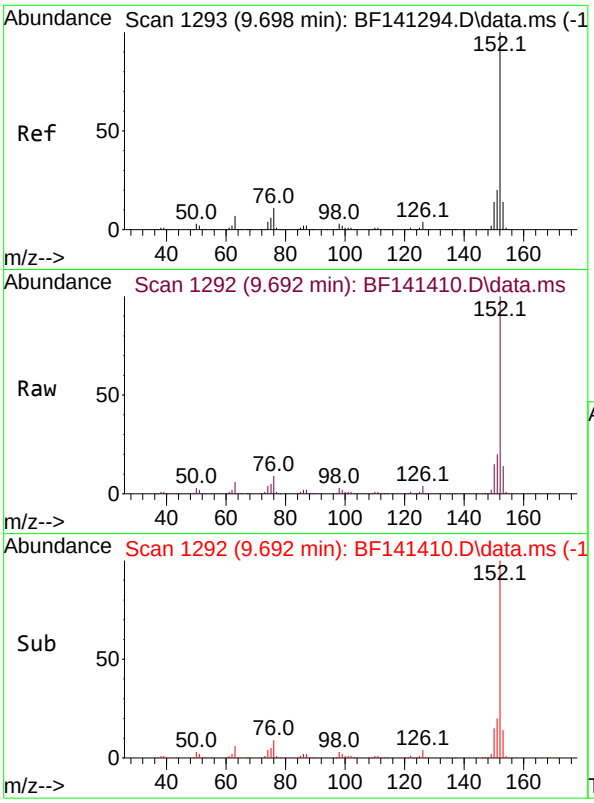


#48
2-Nitroaniline
Concen: 41.421 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion: 65 Resp: 148678

Ion	Ratio	Lower	Upper
65	100		
92	65.7	53.3	79.9
138	102.4	83.6	125.4





#49
Acenaphthylene
Concen: 40.428 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:152 Resp: 64579

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.9	11.0	16.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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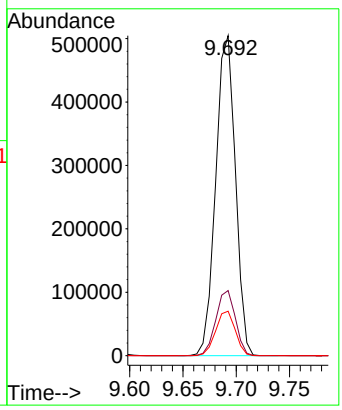
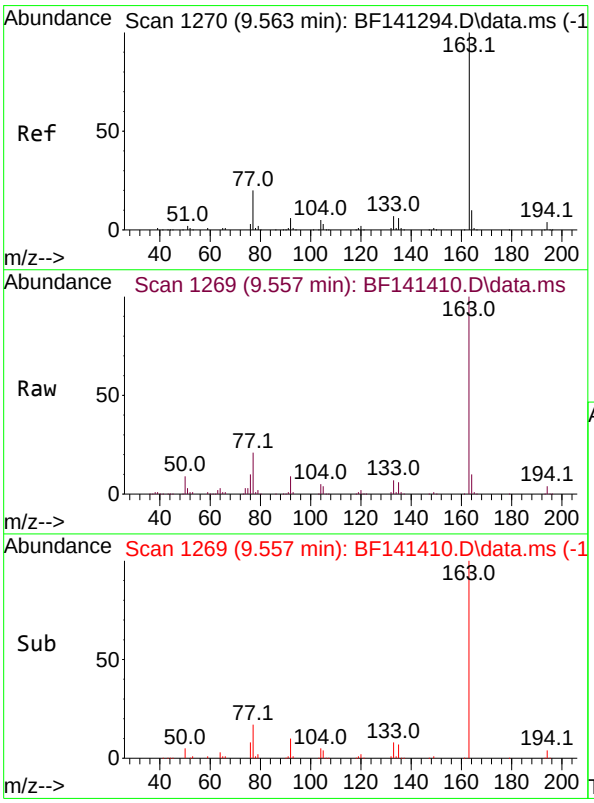
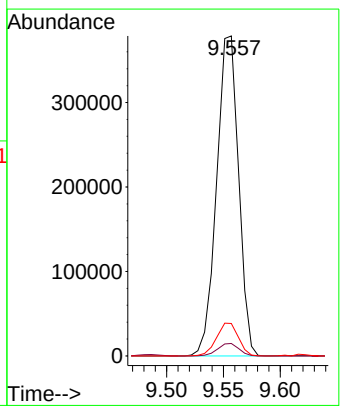


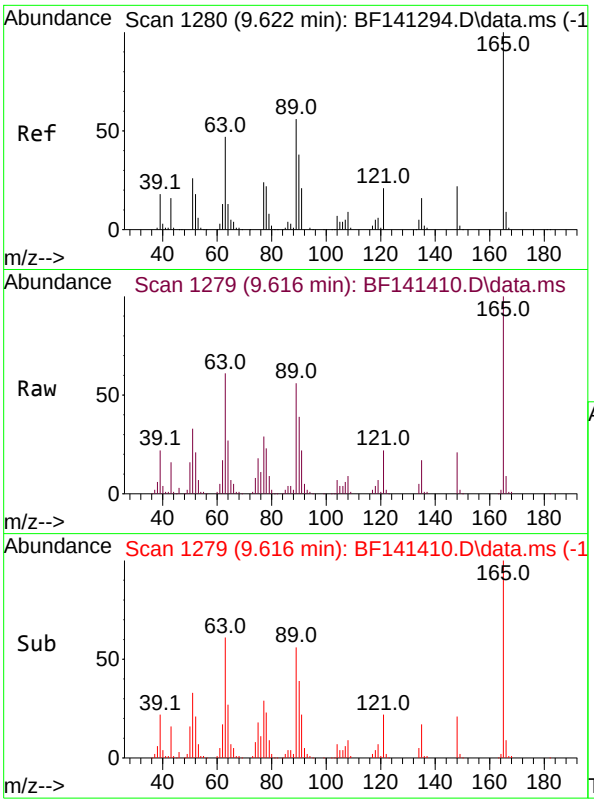


#50
Dimethylphthalate
Concen: 40.231 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:163 Resp: 510098

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 41.088 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:165 Resp: 12096

Ion	Ratio	Lower	Upper
165	100		
63	61.5	48.1	72.1
89	56.2	44.9	67.3

Instrument :
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ClientSampleId :
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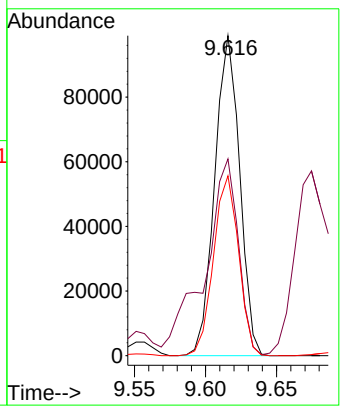
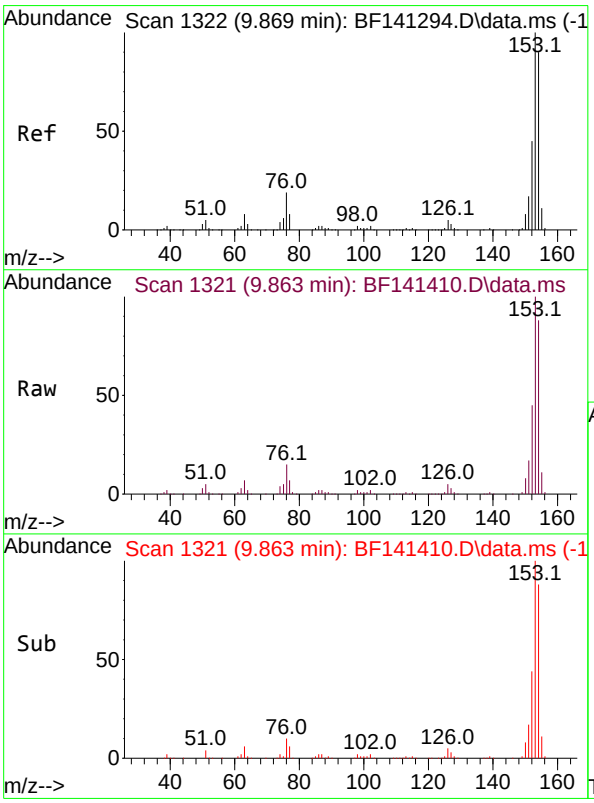
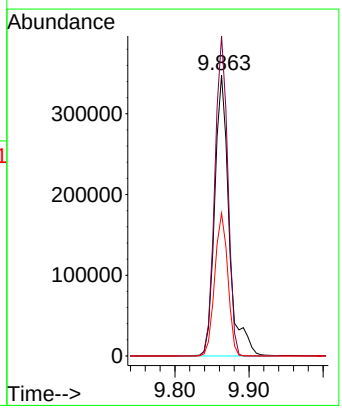


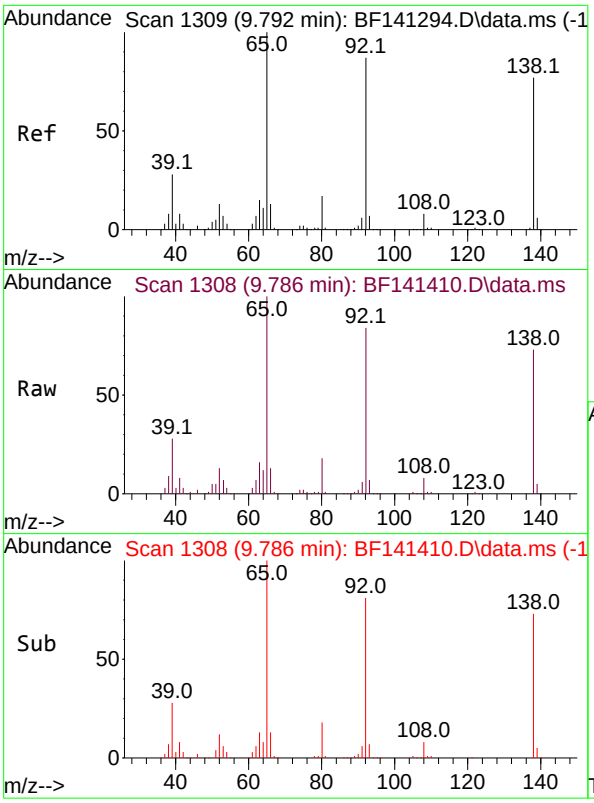


#52
Acenaphthene
Concen: 41.148 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:154 Resp: 469576

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.0	133.4
152	50.8	40.2	60.4





#53
3-Nitroaniline
Concen: 40.616 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:138 Resp: 11719

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.6	12.8
92	114.3	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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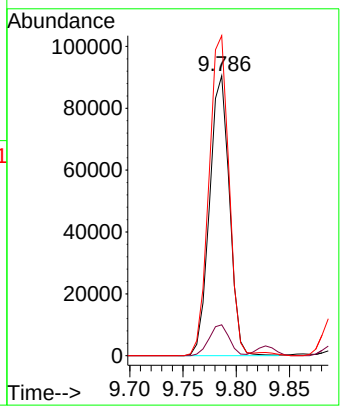
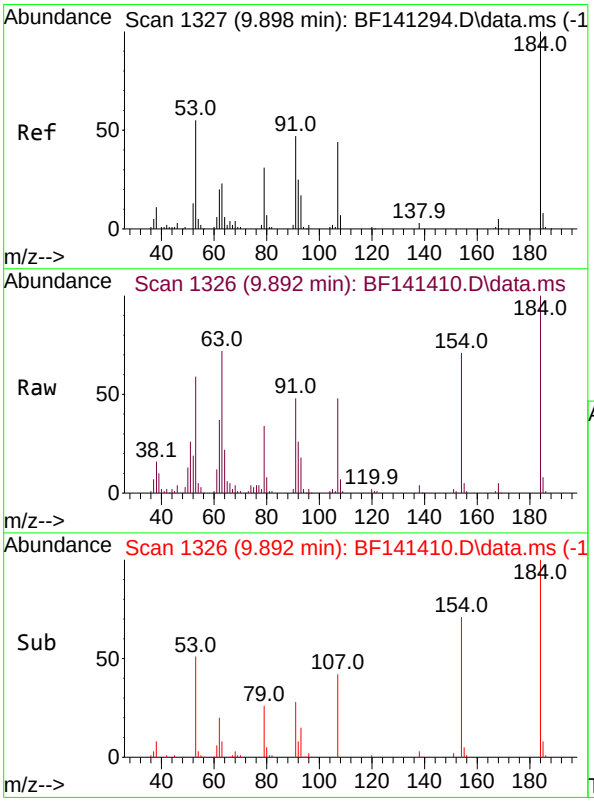
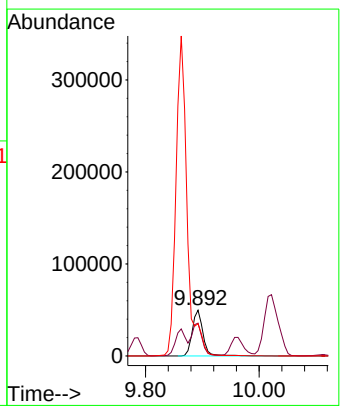


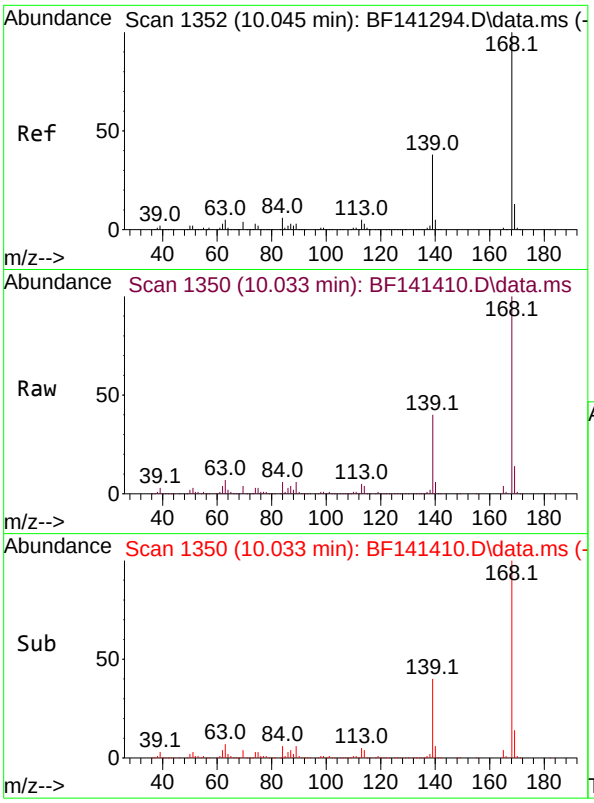


#54
2,4-Dinitrophenol
Concen: 48.068 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:184 Resp: 65781

Ion	Ratio	Lower	Upper
184	100		
63	71.7	54.1	81.1
154	70.6	50.7	76.1

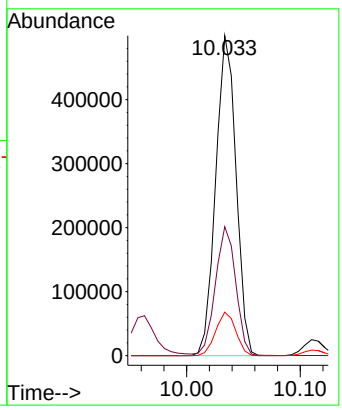




#55
Dibenzofuran
Concen: 40.736 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:168 Resp: 62226

Ion	Ratio	Lower	Upper
168	100		
139	40.3	30.6	46.0
169	13.6	10.8	16.2



Instrument :
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ClientSampleId :
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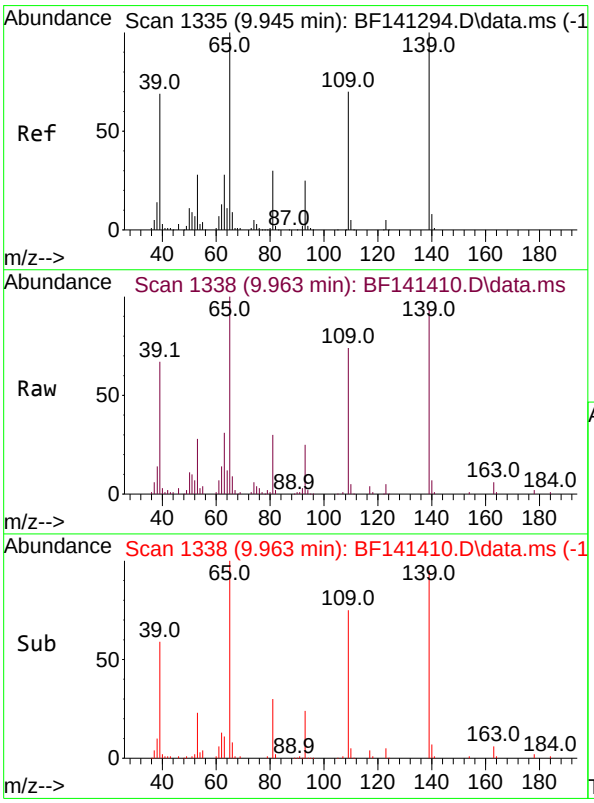
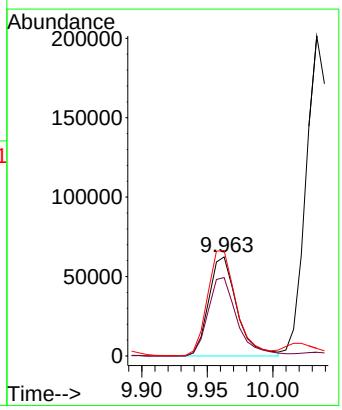
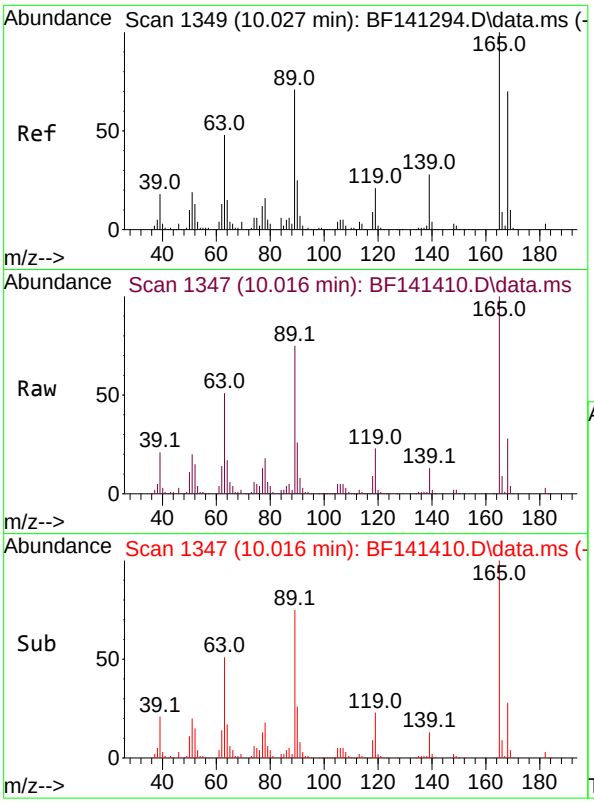


#56
4-Nitrophenol
Concen: 44.180 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:139 Resp: 93228

Ion	Ratio	Lower	Upper
139	100		
109	79.2	50.2	90.2
65	106.5	80.6	120.6

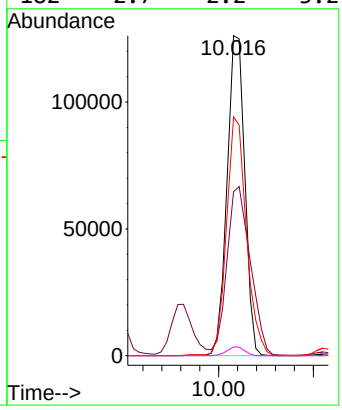




#57
2,4-Dinitrotoluene
Concen: 43.245 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:165 Resp: 16483

Ion	Ratio	Lower	Upper
165	100		
63	51.3	39.2	58.8
89	74.7	56.9	85.3
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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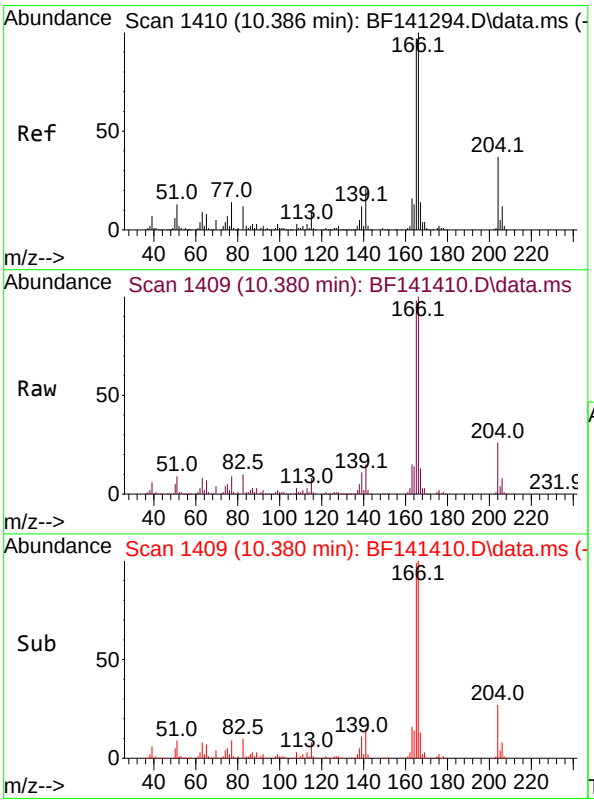
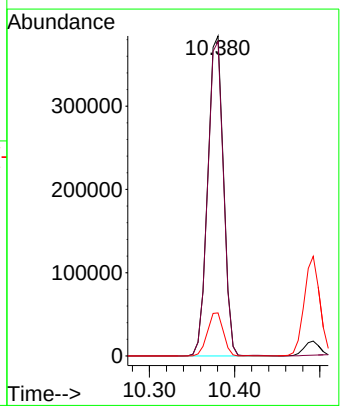
Supervised By :mohammad ahmed 02/05/2025

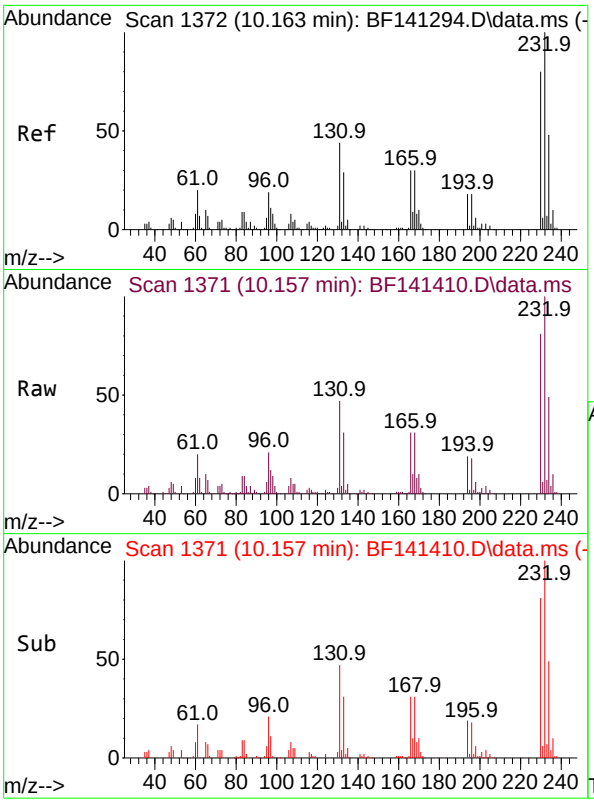


#58
Fluorene
Concen: 41.680 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:166 Resp: 493864

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.5	116.3
167	13.4	10.9	16.3

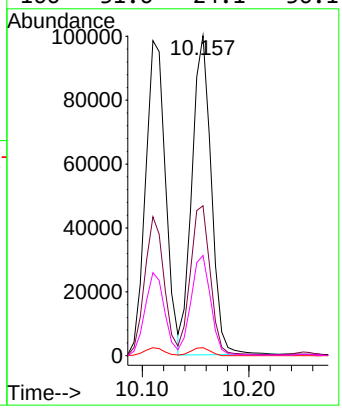




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.135 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:232 Resp: 12611

Ion	Ratio	Lower	Upper
232	100		
131	49.0	36.4	54.6
130	2.5	1.9	2.9
166	31.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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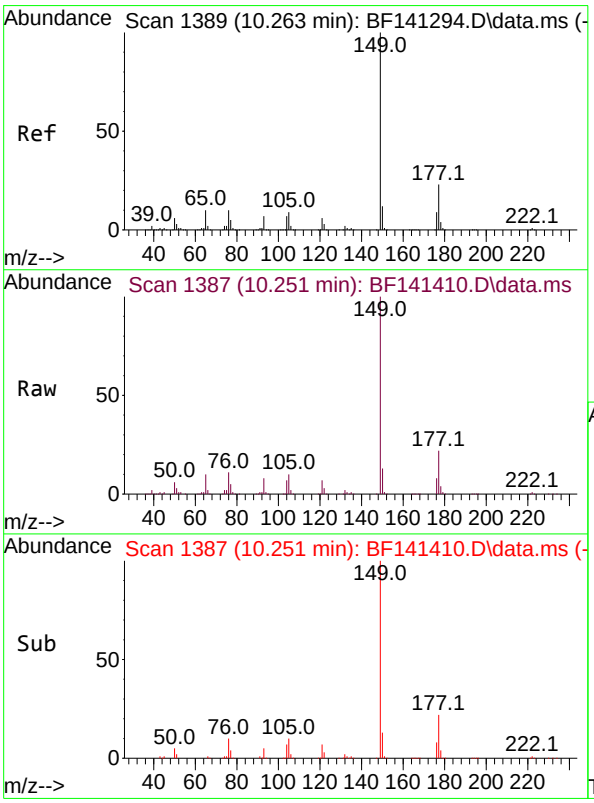
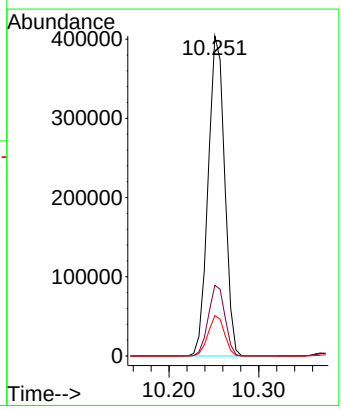
Supervised By :mohammad ahmed 02/05/2025

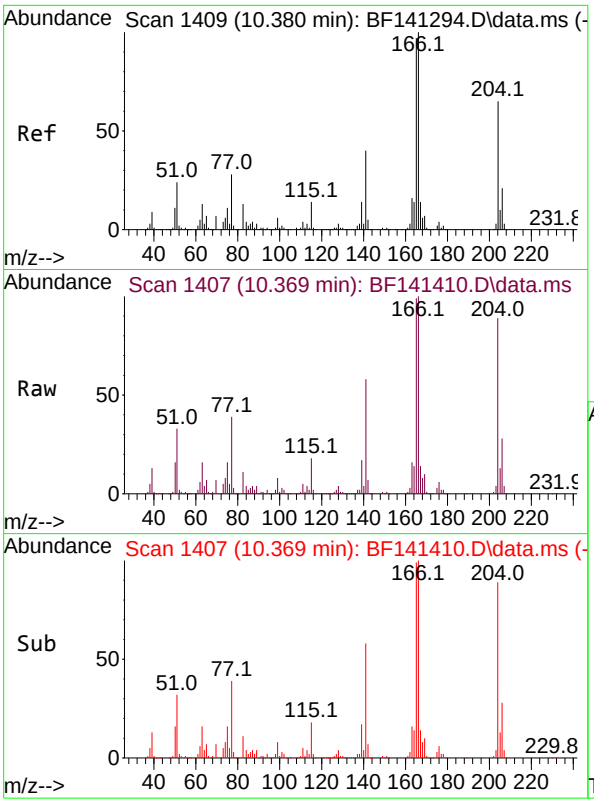


#60
Diethylphthalate
Concen: 41.811 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 514014

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.5	27.7
150	12.6	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.757 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 24168

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.9	38.9
141	65.3	49.5	74.3

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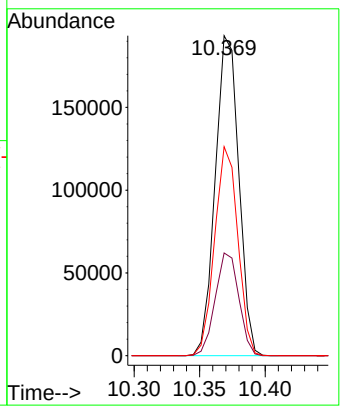
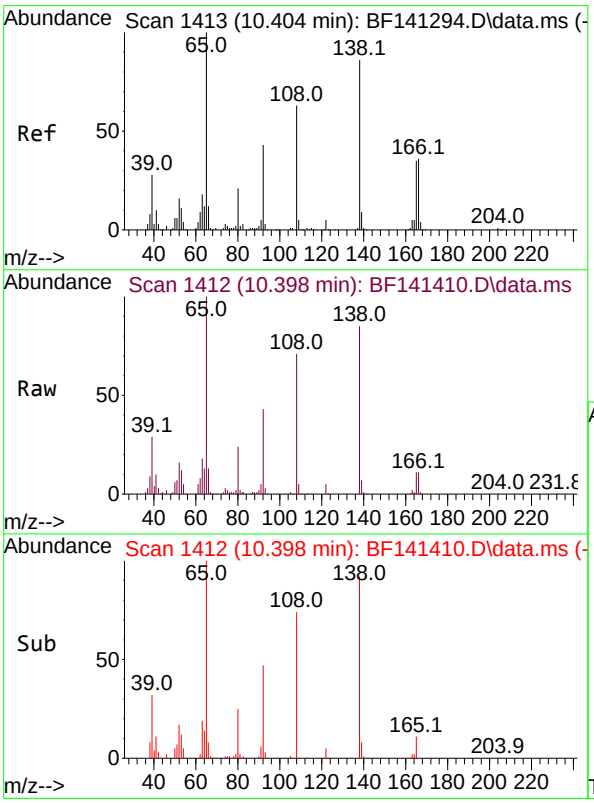
Supervised By :mohammad ahmed 02/05/2025

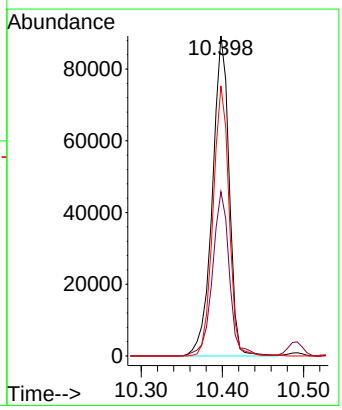


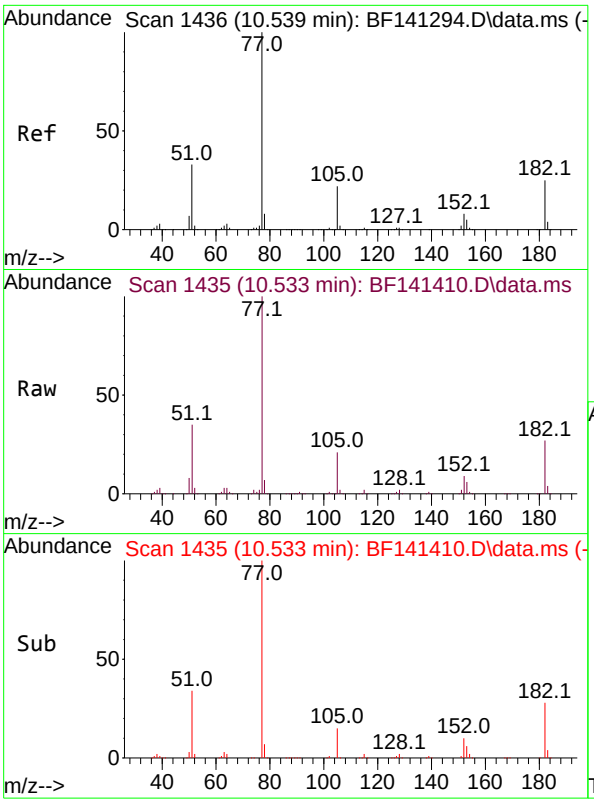


#62
4-Nitroaniline
Concen: 45.227 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:138 Resp: 128297

Ion	Ratio	Lower	Upper
138	100		
92	51.4	30.1	70.1
108	84.4	53.1	93.1





#63
Azobenzene
Concen: 39.824 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 49006

Ion	Ratio	Lower	Upper
77	100		
182	26.9	5.1	45.1
105	21.3	1.8	41.8
51	35.5	14.0	54.0

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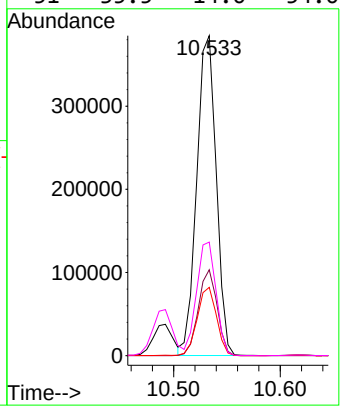
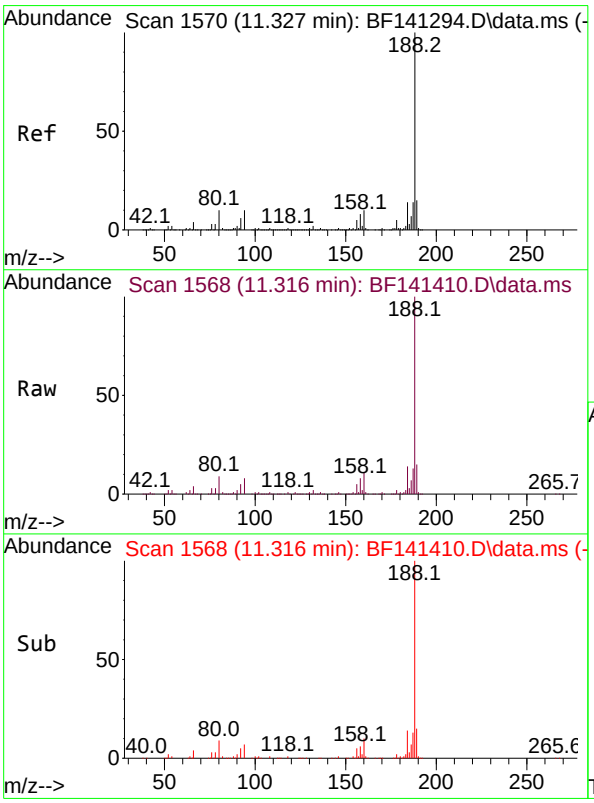
Supervised By :mohammad ahmed 02/05/2025

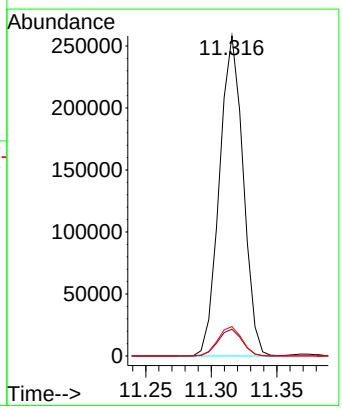


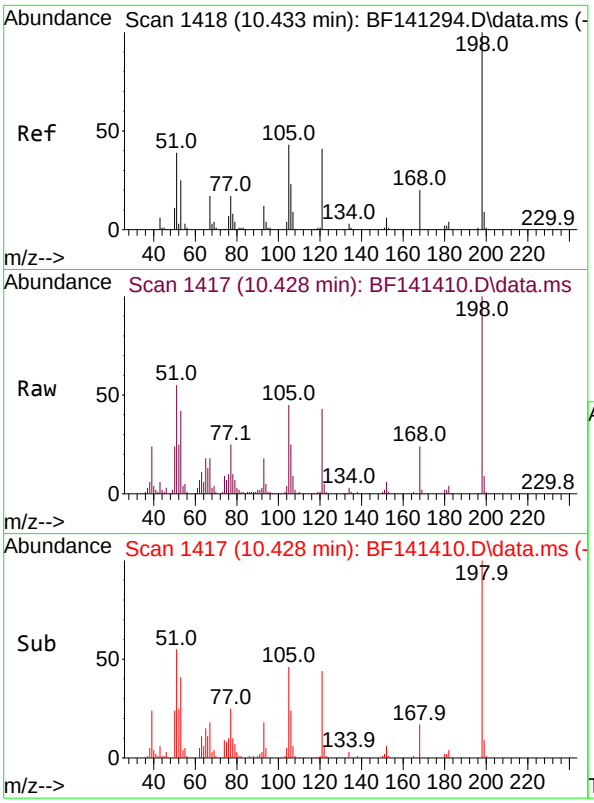


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:188 Resp: 325046

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.8	11.6
80	9.2	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 47.978 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 9224

Ion	Ratio	Lower	Upper
198	100		
51	54.7	33.4	73.4
105	45.1	24.4	64.4

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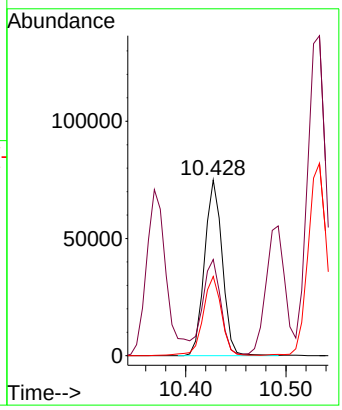
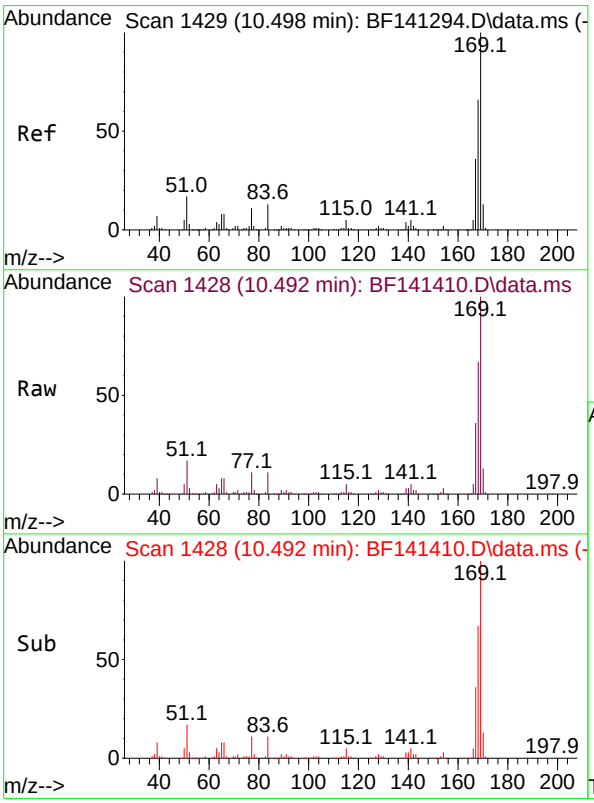
Supervised By :mohammad ahmed 02/05/2025

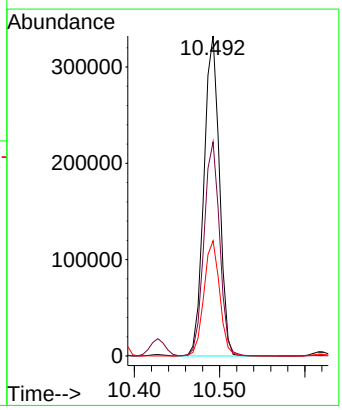


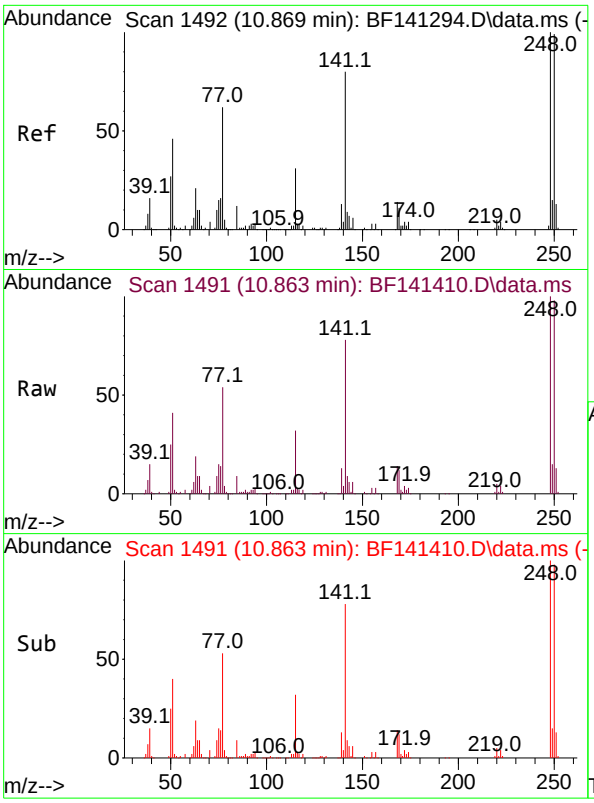


#66
n-Nitrosodiphenylamine
Concen: 39.757 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:169 Resp: 417972

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.0	28.8	43.2

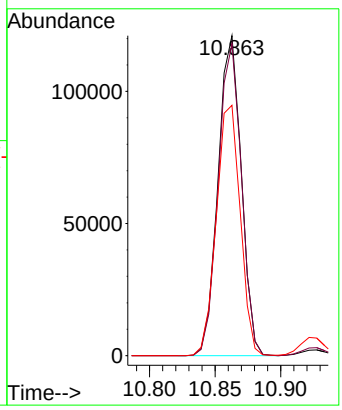




#67
4-Bromophenyl-phenylether
Concen: 40.899 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:248 Resp: 14883

Ion	Ratio	Lower	Upper
248	100		
250	97.5	79.0	118.4
141	78.2	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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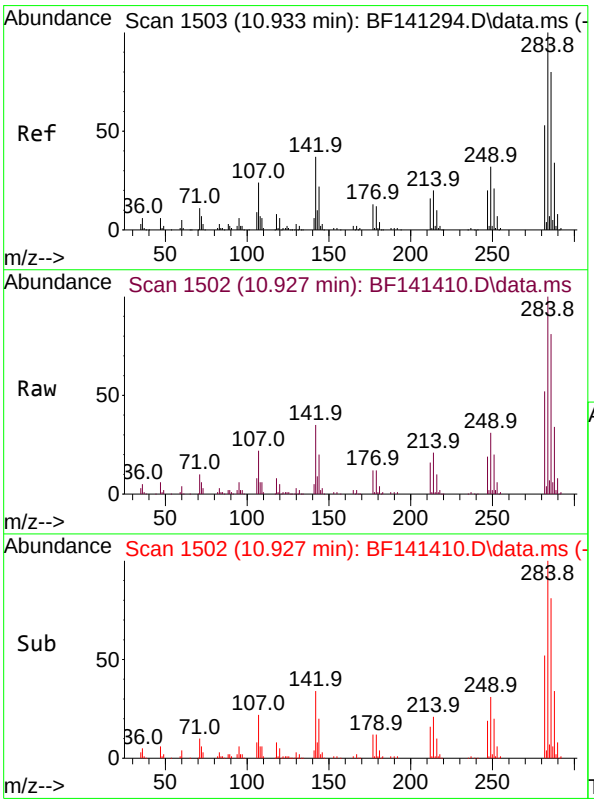
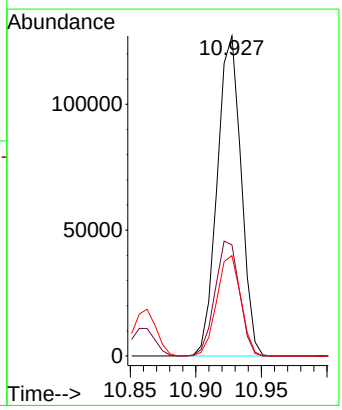
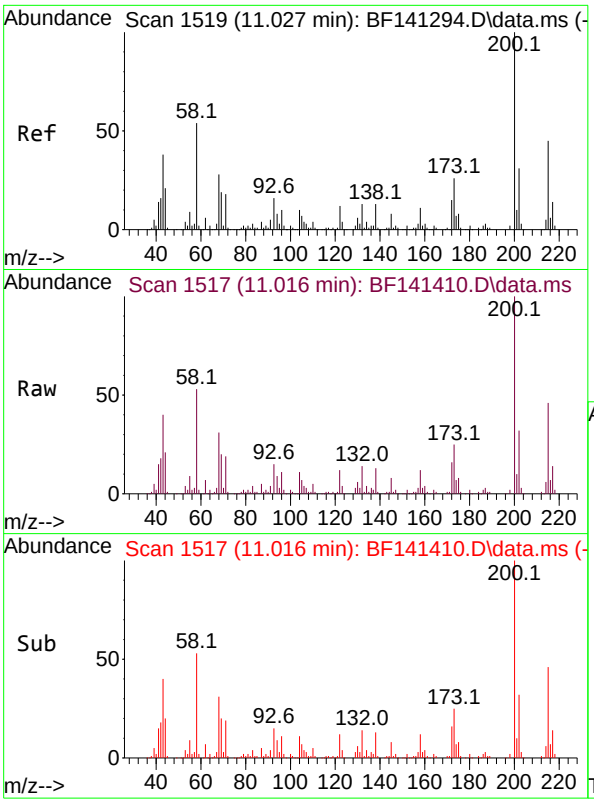


#68
Hexachlorobenzene
Concen: 41.684 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:284 Resp: 160903

Ion	Ratio	Lower	Upper
284	100		
142	34.7	29.5	44.3
249	31.4	25.4	38.2

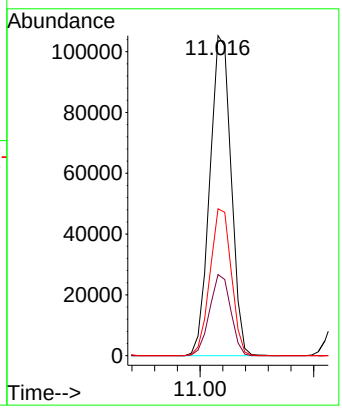




#69
Atrazine
Concen: 39.071 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:200 Resp: 13733

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.9	45.9
215	45.9	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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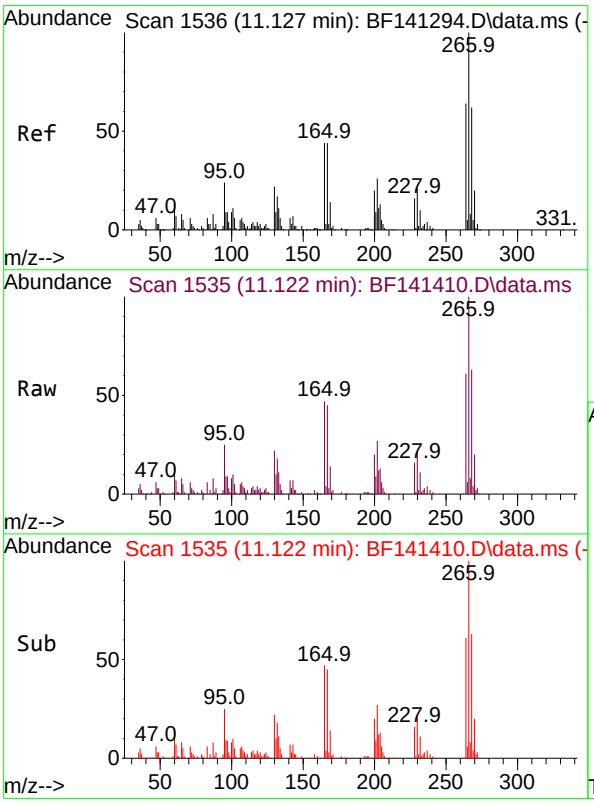
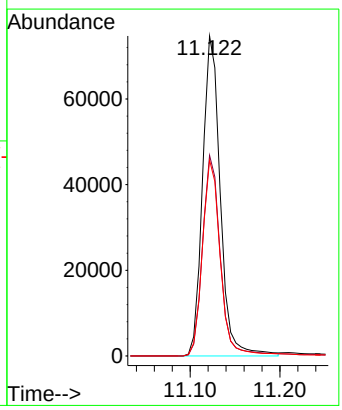
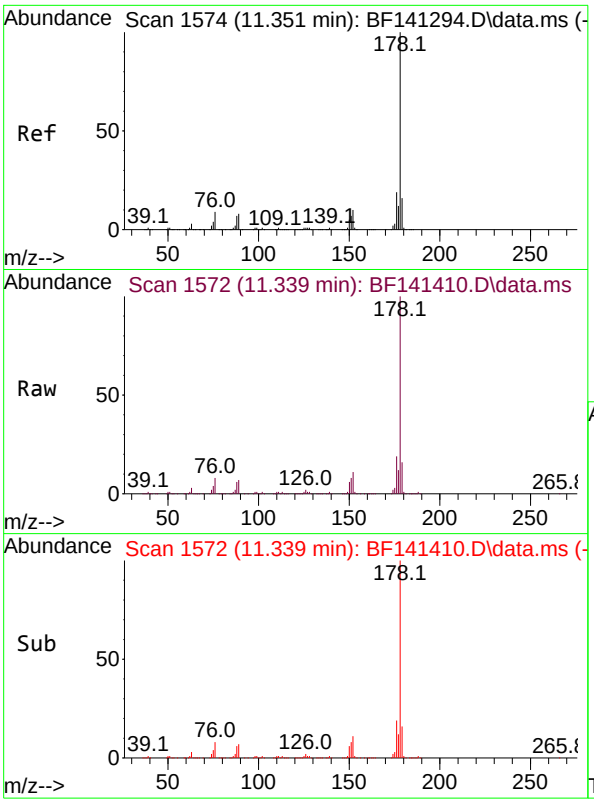


#70
Pentachlorophenol
Concen: 45.399 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:266 Resp: 102619

Ion	Ratio	Lower	Upper
266	100		
268	62.7	49.9	74.9
264	61.2	51.0	76.4

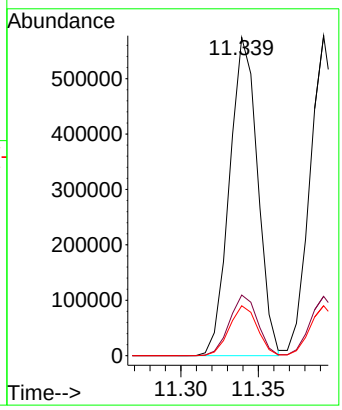




#71
Phenanthrene
Concen: 41.409 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:178 Resp: 72352

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.7	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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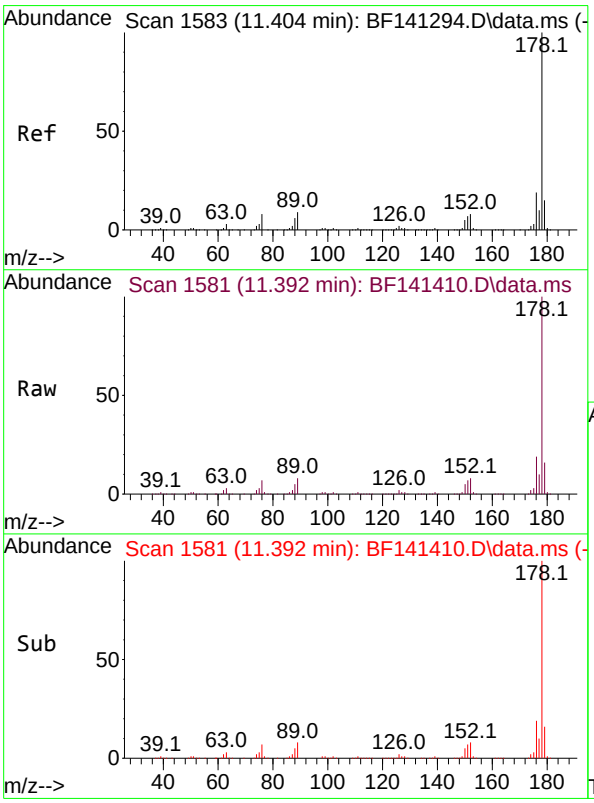
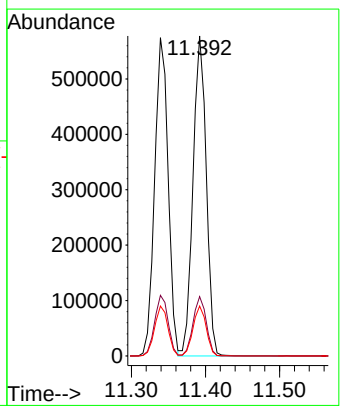
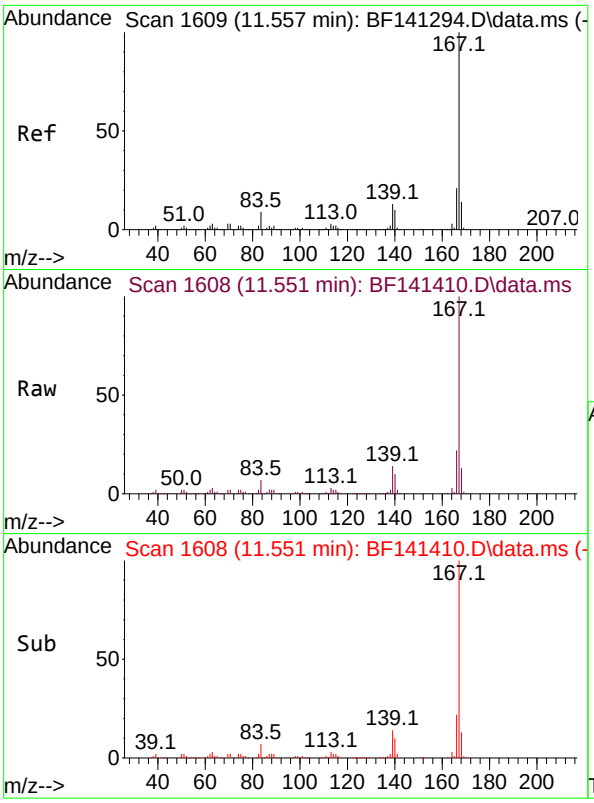


#72
Anthracene
Concen: 41.850 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:178 Resp: 716469

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.6	12.3	18.5

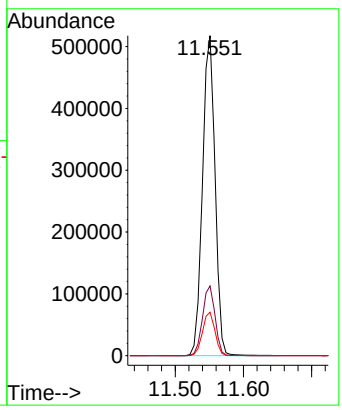




#73
Carbazole
Concen: 43.663 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:167 Resp: 66283

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.6	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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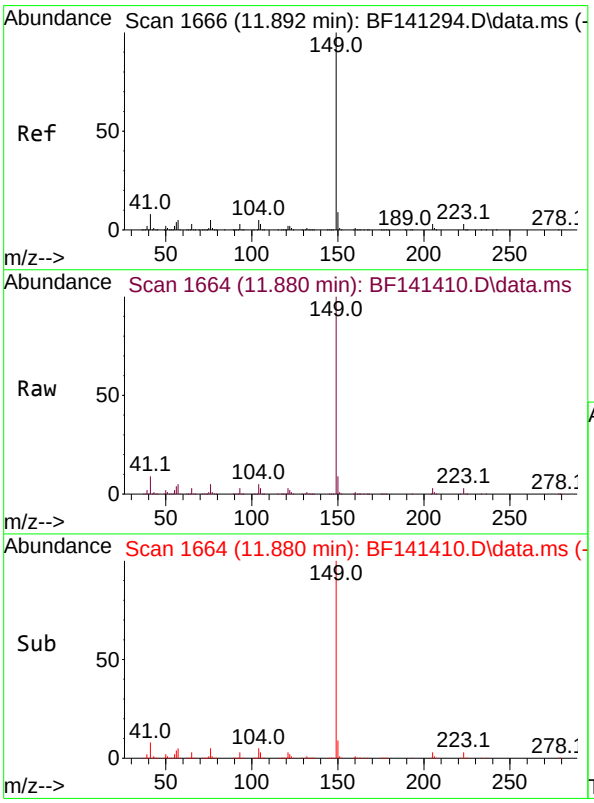
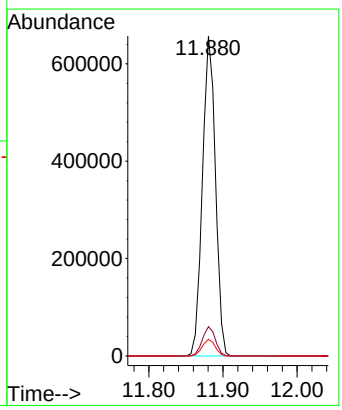
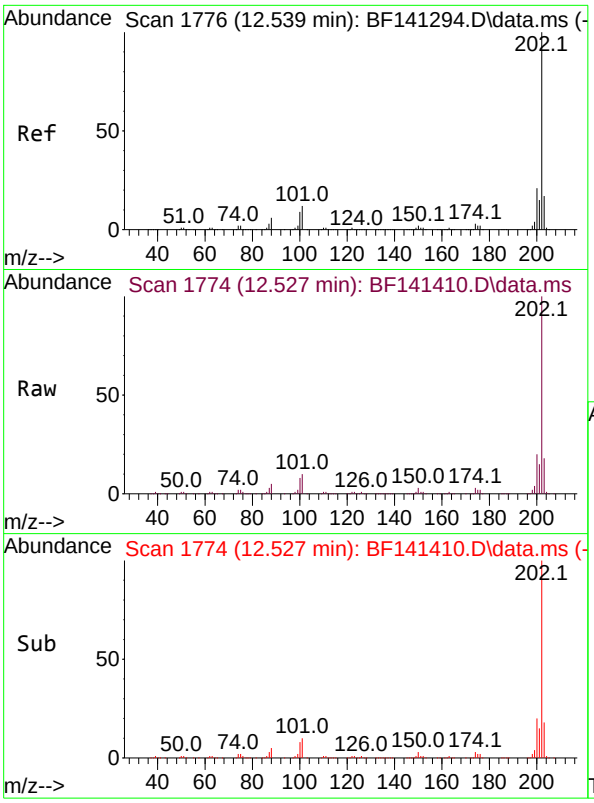


#74
Di-n-butylphthalate
Concen: 43.495 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 800193

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.2	3.9	5.9





#75
Fluoranthene
Concen: 46.442 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

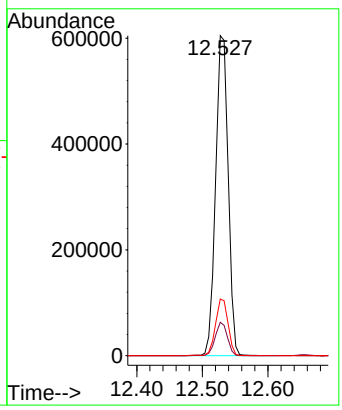
Tgt Ion:202 Resp: 80122

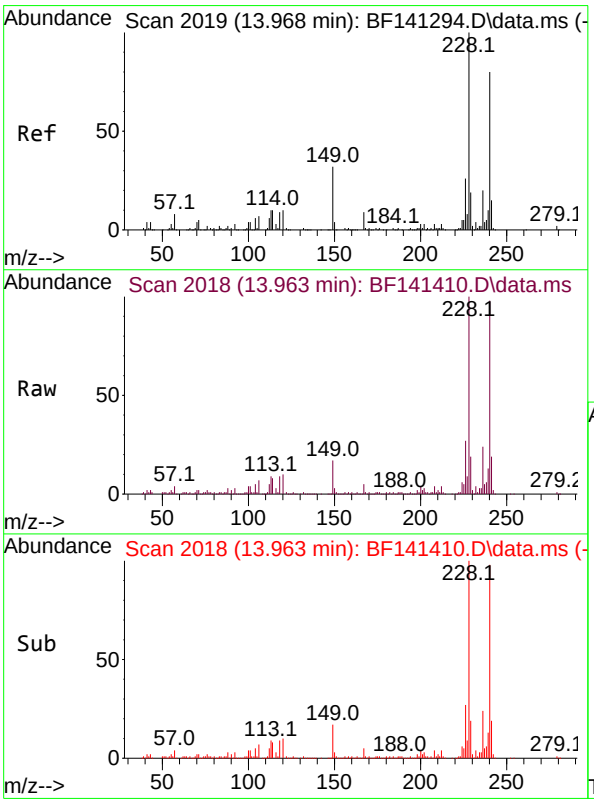
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.7
203	17.7	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

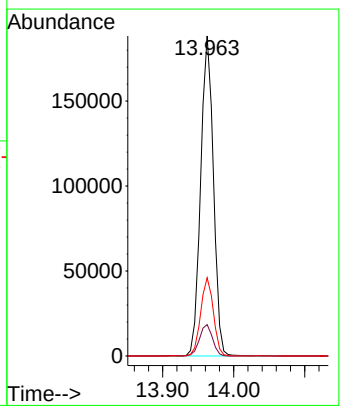


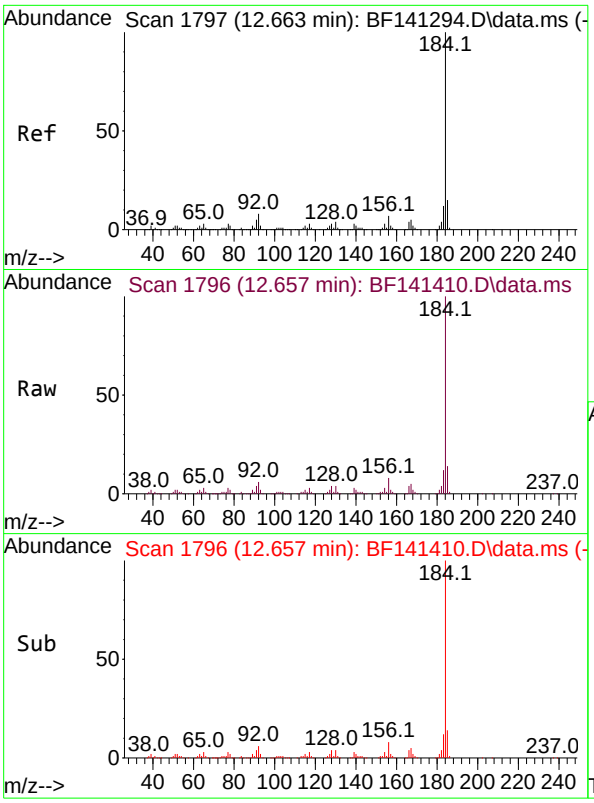


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:240 Resp: 235785

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.0	15.0#
236	24.4	19.7	29.5

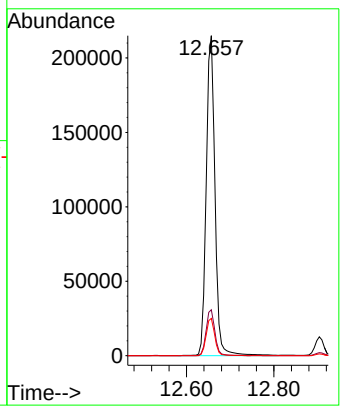




#77
Benzidine
Concen: 39.706 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:184 Resp: 30013

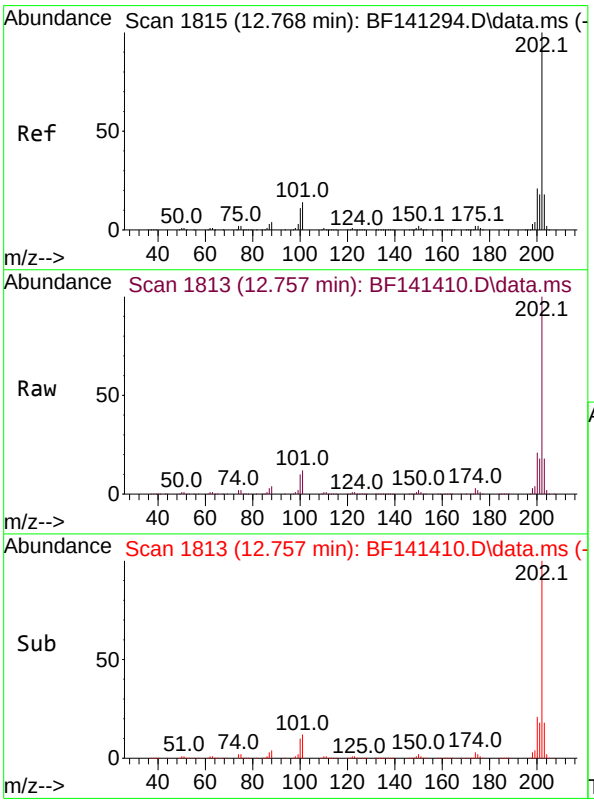
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.9	17.9
183	11.6	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

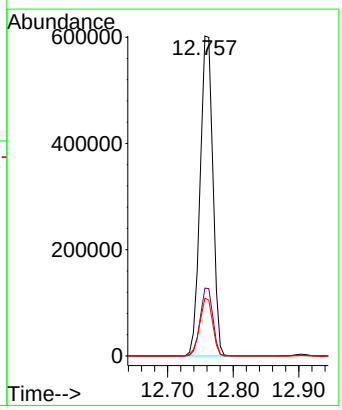
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

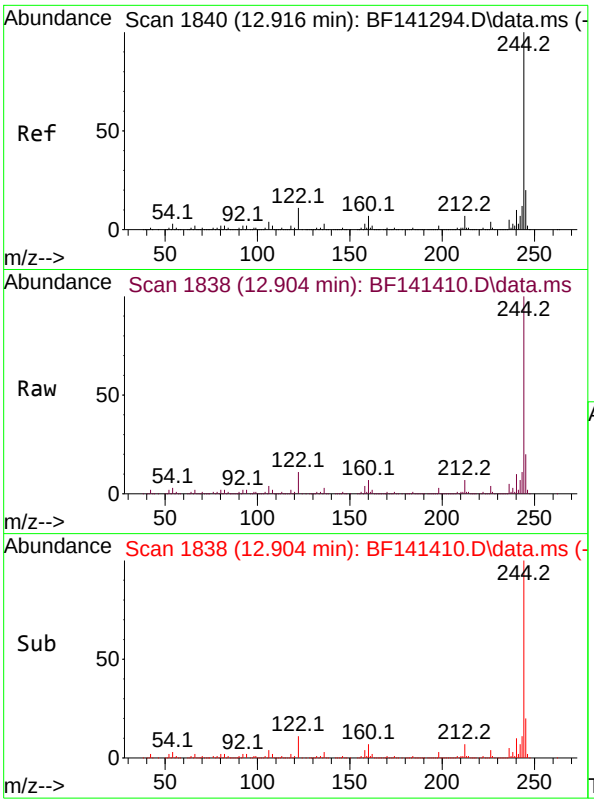


#78
Pyrene
Concen: 36.091 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:202 Resp: 816862

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.1	14.3	21.5

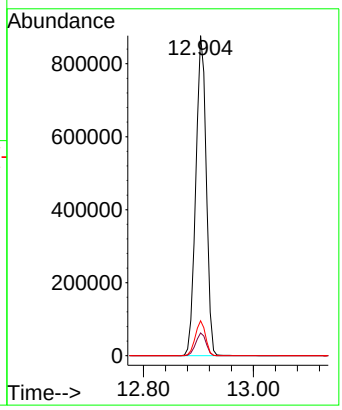




#79
Terphenyl-d14
Concen: 75.722 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:244 Resp: 115771

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.9	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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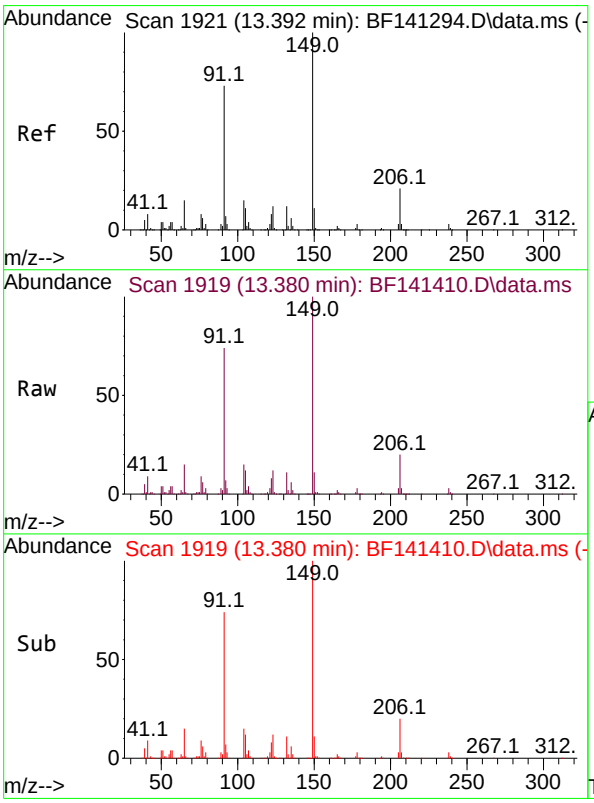
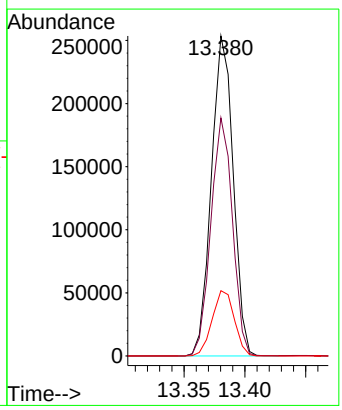
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

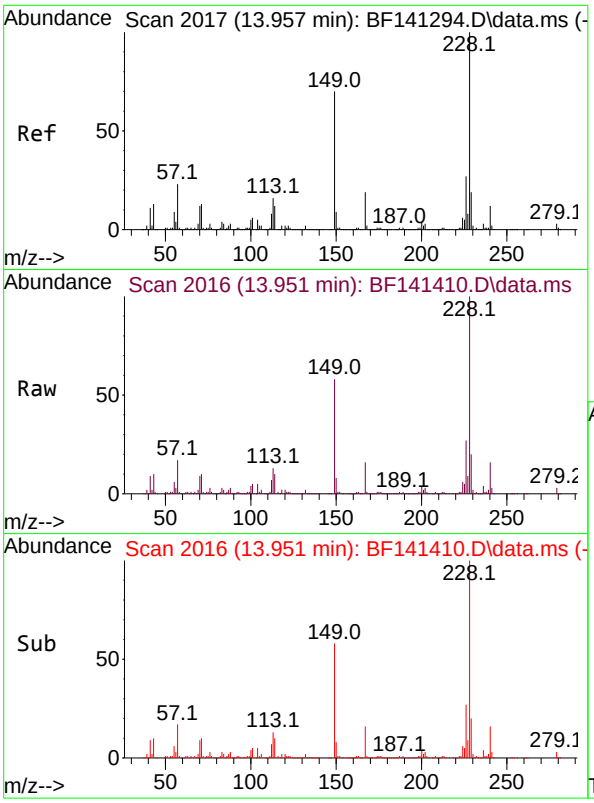


#80
Butylbenzylphthalate
Concen: 40.003 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 316309

Ion	Ratio	Lower	Upper
149	100		
91	74.4	58.6	87.8
206	20.4	16.7	25.1

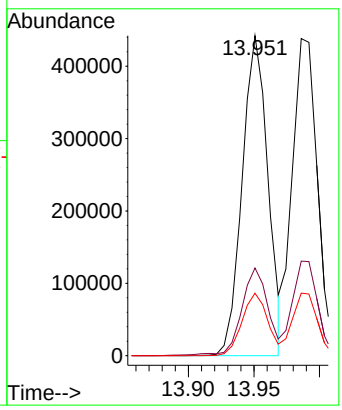




#81
Benzo(a)anthracene
Concen: 37.039 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:228 Resp: 60263

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	19.5	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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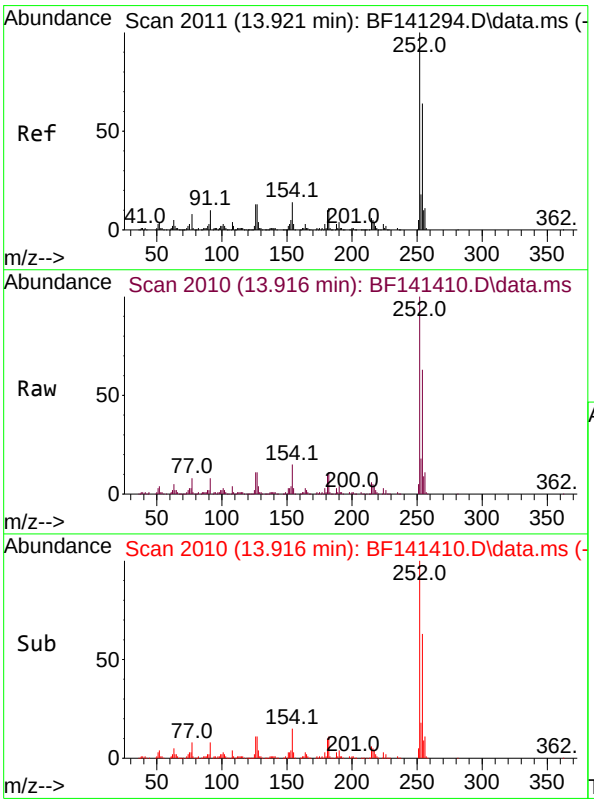
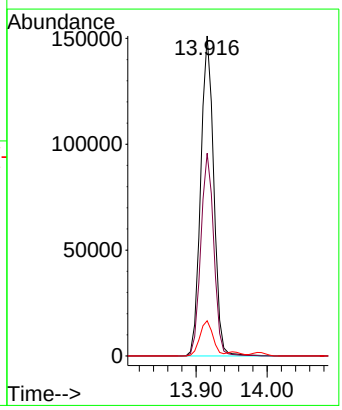
Supervised By :mohammad ahmed 02/05/2025

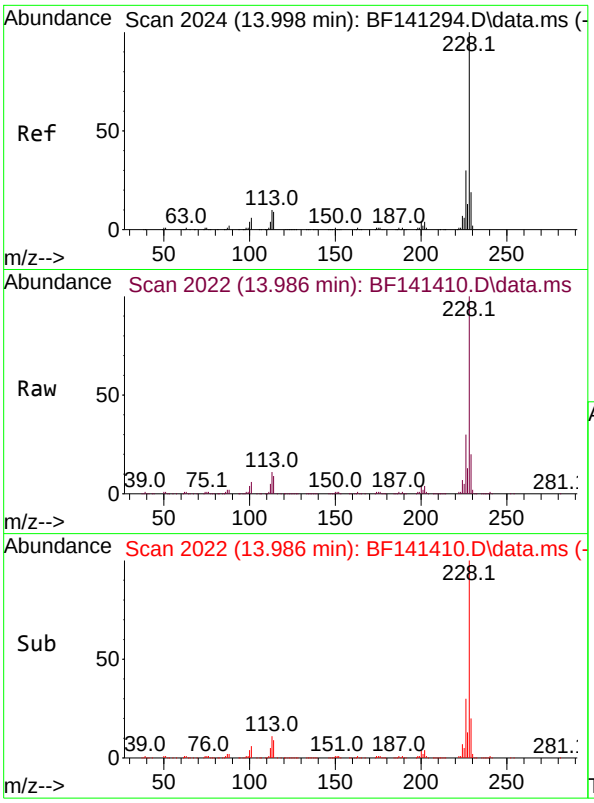


#82
3,3'-Dichlorobenzidine
Concen: 37.342 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:252 Resp: 193238

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.3	76.9
126	11.0	10.0	15.0

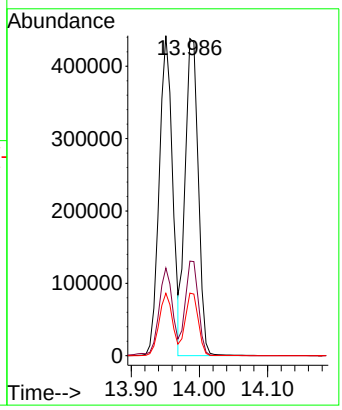




#83
Chrysene
Concen: 39.150 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:228 Resp: 58378

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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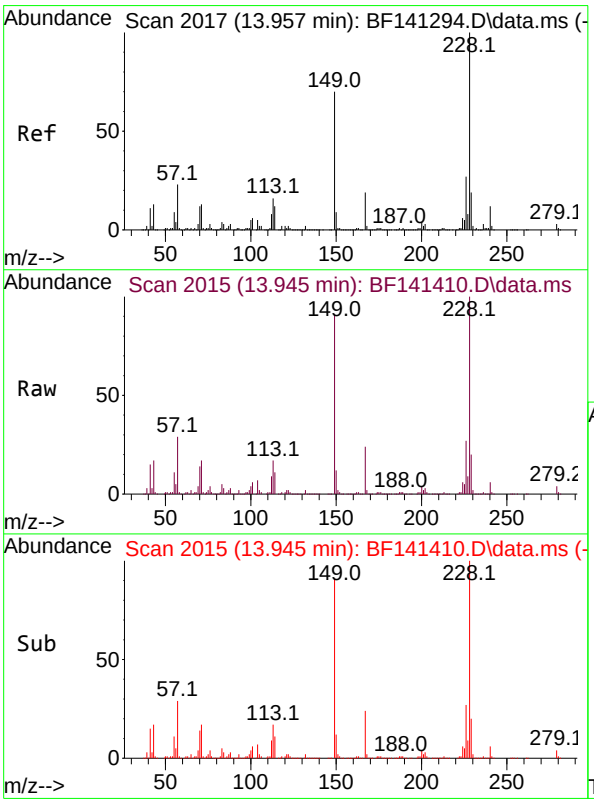
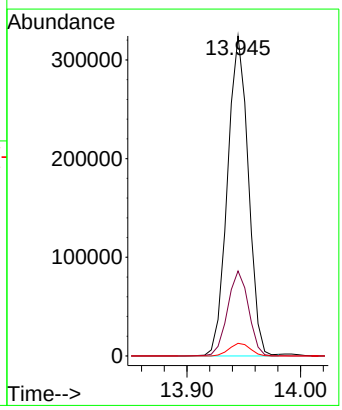
Supervised By :mohammad ahmed 02/05/2025

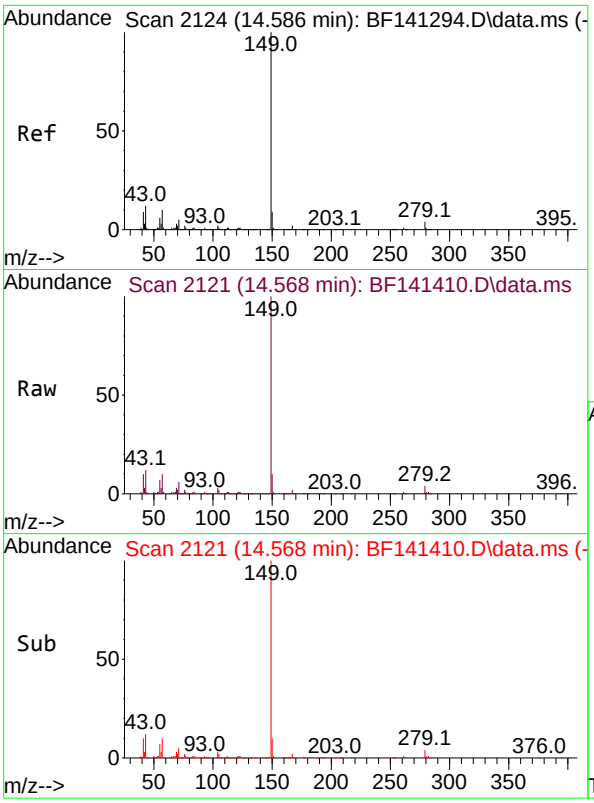


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.225 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 413503

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 40.161 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:149 Resp: 62567

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.9	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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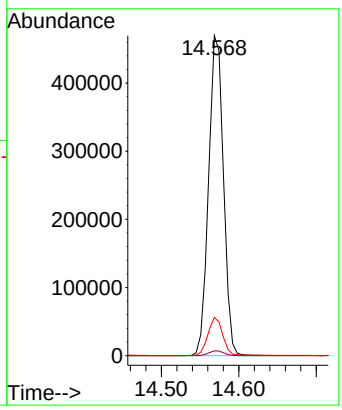
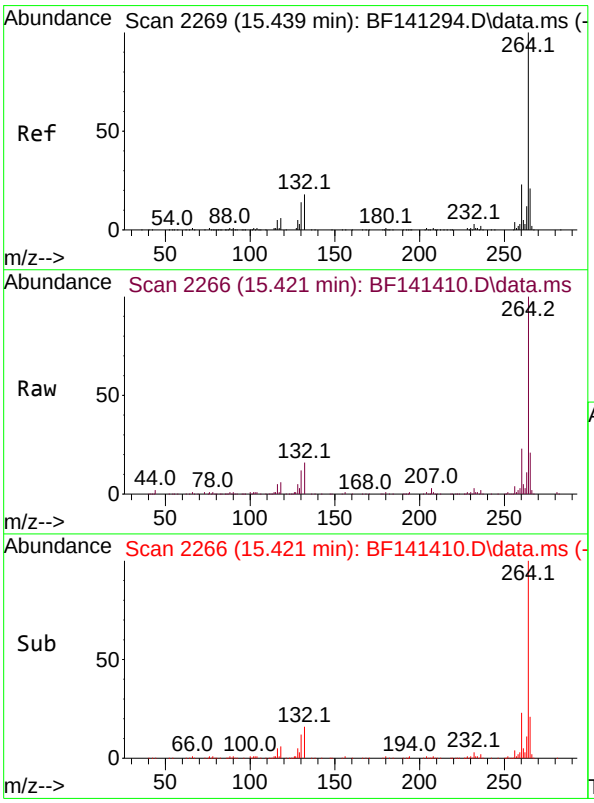
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

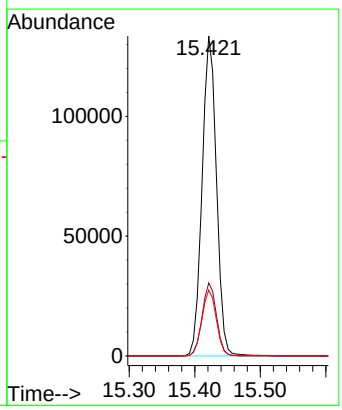


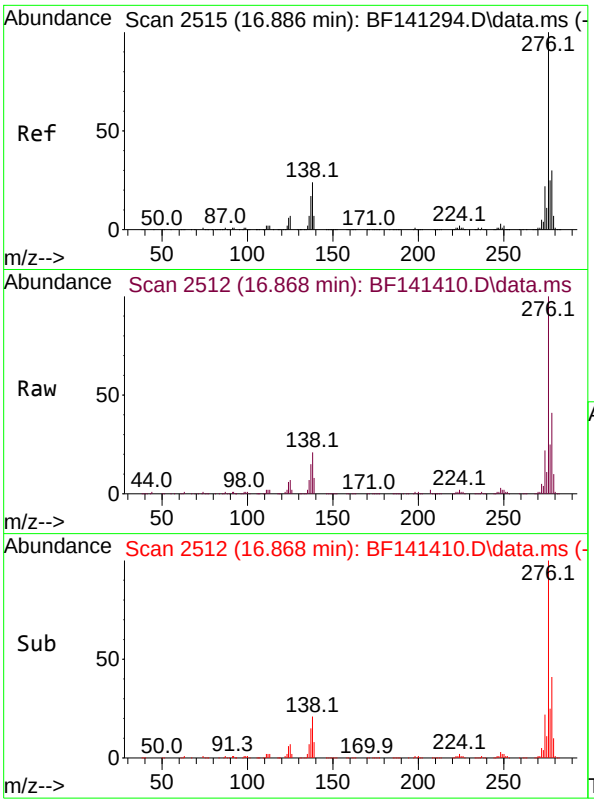


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:264 Resp: 203742

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	27.8
265	20.6	16.7	25.1

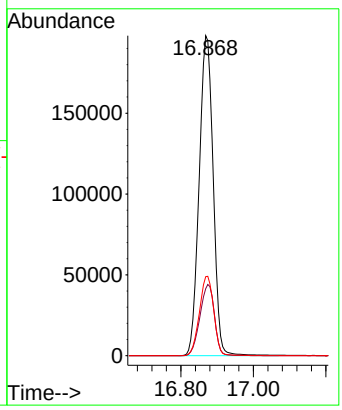




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.413 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:276 Resp: 53143

Ion	Ratio	Lower	Upper
276	100		
138	22.9	21.7	32.5
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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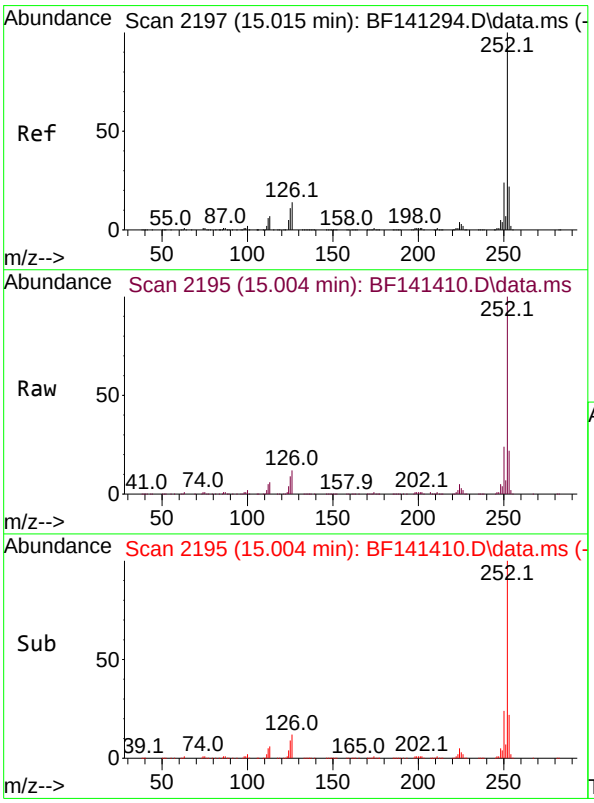
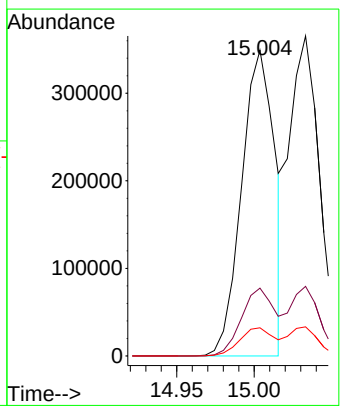
Supervised By :mohammad ahmed 02/05/2025

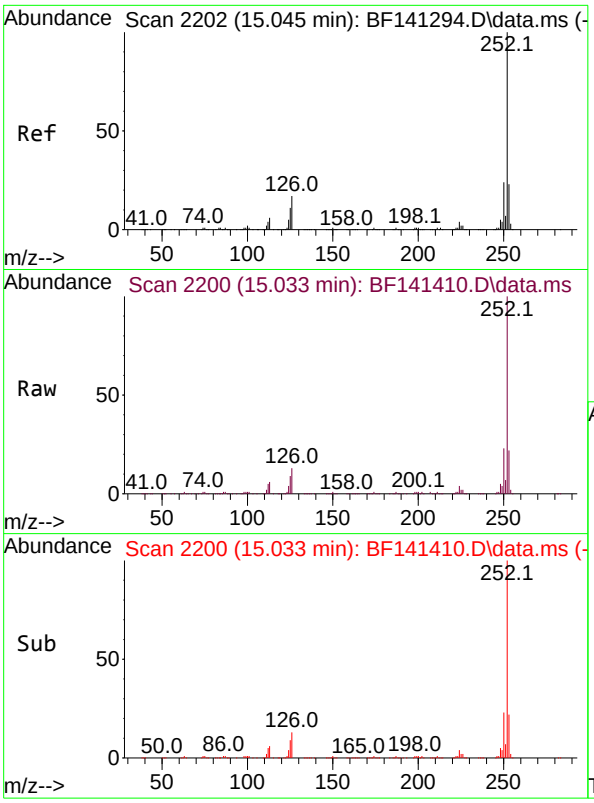


#88
Benzo(b)fluoranthene
Concen: 40.568 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:252 Resp: 519917

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	9.2	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 43.621 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:252 Resp: 49524

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	9.1	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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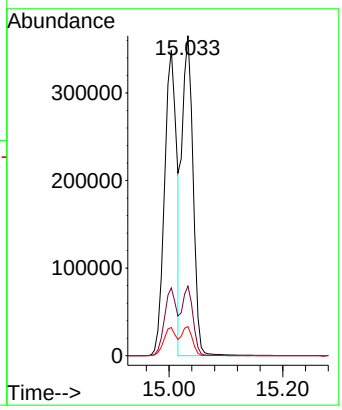
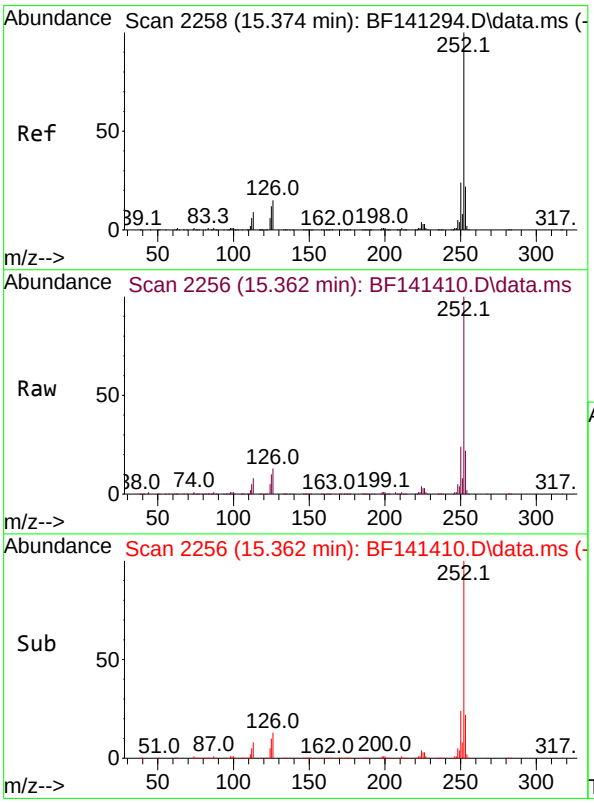
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

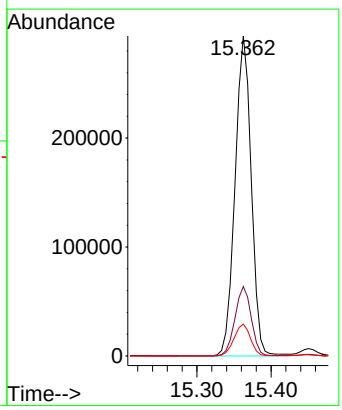


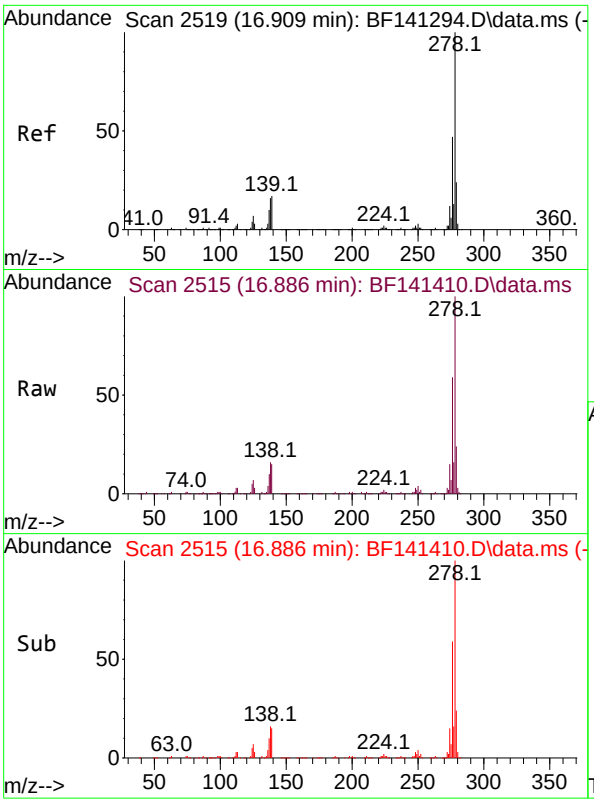


#90
Benzo(a)pyrene
Concen: 41.076 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:252 Resp: 444854

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	10.0	9.4	14.2

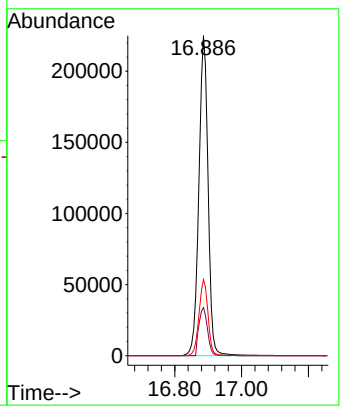




#91
Dibenzo(a,h)anthracene
Concen: 40.648 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:278 Resp: 43004

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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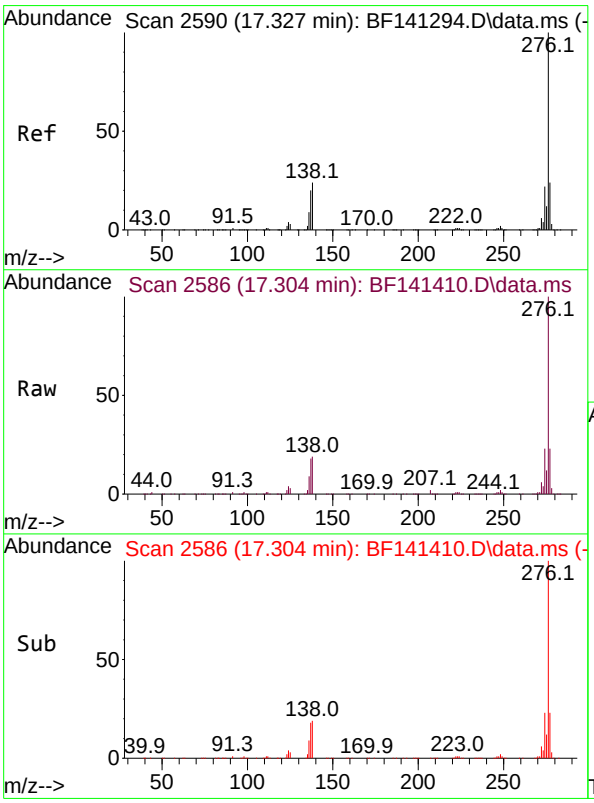
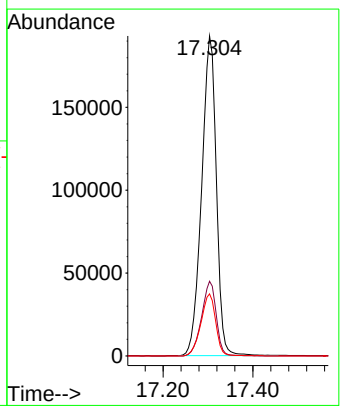
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#92
Benzo(g,h,i)perylene
Concen: 39.851 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141410.D
Acq: 04 Feb 2025 15:58

Tgt Ion:276 Resp: 438392

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	19.4	19.0	28.4



Evaluate Continuing Calibration Report

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	66	-0.01
2		1,4-Dioxane	0.573	0.535	6.6	66	-0.04
3		Pyridine	1.380	1.264	8.4	63	-0.05
4		n-Nitrosodimethylamine	0.789	0.823	-4.3	72	-0.06
5	S	2-Fluorophenol	1.303	1.284	1.5	70	0.00
6		Aniline	1.403	1.284	8.5	62	-0.02
7	S	Phenol-d6	1.657	1.572	5.1	68	0.00
8		2-Chlorophenol	1.396	1.368	2.0	70	-0.01
9		Benzaldehyde	0.960	1.013	-5.5	75	-0.01
10	C	Phenol	1.757	1.636	6.9	66	0.00
11		bis(2-Chloroethyl)ether	1.347	1.259	6.5	67	-0.02
12		1,3-Dichlorobenzene	1.540	1.532	0.5	71	-0.02
13	C	1,4-Dichlorobenzene	1.547	1.553	-0.4	72	-0.01
14		1,2-Dichlorobenzene	1.448	1.446	0.1	71	-0.01
15		Benzyl Alcohol	1.133	1.180	-4.1	72	-0.01
16		2,2'-oxybis(1-Chloropropane	2.342	2.088	10.8	63	-0.01
17		2-Methylphenol	1.135	1.080	4.8	68	0.00
18		Hexachloroethane	0.571	0.577	-1.1	72	-0.01
19	P	n-Nitroso-di-n-propylamine	0.985	0.944	4.2	69	-0.02
20		3+4-Methylphenols	1.393	1.396	-0.2	71	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	66	-0.01
22		Acetophenone	0.475	0.494	-4.0	74	-0.02
23	S	Nitrobenzene-d5	0.379	0.388	-2.4	72	-0.01
24		Nitrobenzene	0.393	0.393	0.0	69	-0.02
25		Isophorone	0.656	0.640	2.4	69	-0.02
26	C	2-Nitrophenol	0.185	0.192	-3.8	71	-0.01
27		2,4-Dimethylphenol	0.236	0.228	3.4	67	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.398	4.8	67	-0.02
29	C	2,4-Dichlorophenol	0.289	0.292	-1.0	71	0.00
30		1,2,4-Trichlorobenzene	0.330	0.337	-2.1	73	-0.01
31		Naphthalene	1.057	1.049	0.8	70	-0.01
32		Benzoic acid	0.217	0.230	-6.0	68	-0.03
33		4-Chloroaniline	0.358	0.319	10.9	62	-0.01
34	C	Hexachlorobutadiene	0.194	0.208	-7.2	76	-0.01
35		Caprolactam	0.094	0.093	1.1	69	-0.03
36	C	4-Chloro-3-methylphenol	0.310	0.319	-2.9	73	0.00
37		2-Methylnaphthalene	0.672	0.673	-0.1	71	-0.01
38		1-Methylnaphthalene	0.660	0.657	0.5	71	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	66	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.569	0.587	-3.2	73	-0.01
41	P	Hexachlorocyclopentadiene	0.168	0.185	-10.1	72	-0.01
42	S	2,4,6-Tribromophenol	0.183	0.206	-12.6	79	-0.01
43	C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	70	0.00
44		2,4,5-Trichlorophenol	0.405	0.420	-3.7	74	0.00
45	S	2-Fluorobiphenyl	1.299	1.327	-2.2	74	-0.01
46		1,1'-Biphenyl	1.560	1.554	0.4	71	-0.01
47		2-Chloronaphthalene	1.216	1.203	1.1	71	-0.01

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.382	0.396	-3.7	72	0.00
49		Acenaphthylene	1.702	1.720	-1.1	72	-0.01
50		Dimethylphthalate	1.351	1.359	-0.6	73	-0.01
51		2,6-Dinitrotoluene	0.314	0.322	-2.5	72	-0.01
52	C	Acenaphthene	1.216	1.251	-2.9	74	-0.01
53		3-Nitroaniline	0.307	0.312	-1.6	68	-0.01
54	P	2,4-Dinitrophenol	0.146	0.175	-19.9	79	-0.01
55		Dibenzofuran	1.627	1.657	-1.8	72	-0.01
56	P	4-Nitrophenol	0.225	0.248	-10.2	74	0.00
57		2,4-Dinitrotoluene	0.406	0.439	-8.1	75	-0.02
58		Fluorene	1.262	1.315	-4.2	75	-0.01
59		2,3,4,6-Tetrachlorophenol	0.319	0.336	-5.3	73	0.00
60		Diethylphthalate	1.310	1.369	-4.5	74	-0.02
61		4-Chlorophenyl-phenylether	0.617	0.644	-4.4	75	-0.01
62		4-Nitroaniline	0.302	0.342	-13.2	78	-0.02
63		Azobenzene	1.311	1.305	0.5	71	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	71	-0.01
65		4,6-Dinitro-2-methylphenol	0.118	0.142	-20.3	80	-0.01
66	c	n-Nitrosodiphenylamine	0.647	0.643	0.6	73	-0.01
67		4-Bromophenyl-phenylether	0.224	0.229	-2.2	75	-0.01
68		Hexachlorobenzene	0.238	0.248	-4.2	77	-0.01
69		Atrazine	0.216	0.211	2.3	70	-0.02
70	C	Pentachlorophenol	0.139	0.158	-13.7	78	-0.01
71		Phenanthrene	1.075	1.113	-3.5	77	-0.01
72		Anthracene	1.053	1.102	-4.7	77	-0.01
73		Carbazole	0.934	1.020	-9.2	80	0.00
74		Di-n-butylphthalate	1.132	1.231	-8.7	80	-0.01
75	C	Fluoranthene	1.062	1.232	-16.0	86	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77		Benzidine	0.641	0.636	0.8	79	0.00
78		Pyrene	1.920	1.732	9.8	89	-0.01
79	S	Terphenyl-d14	1.297	1.228	5.3	94	-0.01
80		Butylbenzylphthalate	0.671	0.671	0.0	97	-0.01
81		Benzo(a)anthracene	1.380	1.278	7.4	91	-0.01
82		3,3'-Dichlorobenzidine	0.439	0.410	6.6	89	-0.01
83		Chrysene	1.265	1.238	2.1	99	-0.01
84		Bis(2-ethylhexyl)phthalate	0.851	0.877	-3.1	101	-0.01
85	c	Di-n-octyl phthalate	1.321	1.327	-0.5	98	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	73	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.304	-1.0	76	-0.03
88		Benzo(b)fluoranthene	1.258	1.276	-1.4	83	-0.02
89		Benzo(k)fluoranthene	1.114	1.215	-9.1	82	-0.02
90	C	Benzo(a)pyrene	1.063	1.092	-2.7	79	-0.02
91		Dibenzo(a,h)anthracene	1.039	1.055	-1.5	76	-0.04
92		Benzo(g,h,i)perylene	1.080	1.076	0.4	75	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	66	-0.01
2		1,4-Dioxane	40.000	37.338	6.7	66	-0.04
3		Pyridine	40.000	36.624	8.4	63	-0.05
4		n-Nitrosodimethylamine	40.000	41.739	-4.3	72	-0.06
5	S	2-Fluorophenol	80.000	78.830	1.5	70	0.00
6		Aniline	40.000	36.617	8.5	62	-0.02
7	S	Phenol-d6	80.000	75.891	5.1	68	0.00
8		2-Chlorophenol	40.000	39.195	2.0	70	-0.01
9		Benzaldehyde	40.000	42.215	-5.5	75	-0.01
10	C	Phenol	40.000	37.247	6.9	66	0.00
11		bis(2-Chloroethyl)ether	40.000	37.395	6.5	67	-0.02
12		1,3-Dichlorobenzene	40.000	39.813	0.5	71	-0.02
13	C	1,4-Dichlorobenzene	40.000	40.169	-0.4	72	-0.01
14		1,2-Dichlorobenzene	40.000	39.932	0.2	71	-0.01
15		Benzyl Alcohol	40.000	41.681	-4.2	72	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	35.664	10.8	63	-0.01
17		2-Methylphenol	40.000	38.055	4.9	68	0.00
18		Hexachloroethane	40.000	40.467	-1.2	72	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	38.325	4.2	69	-0.02
20		3+4-Methylphenols	40.000	40.064	-0.2	71	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	66	-0.01
22		Acetophenone	40.000	41.572	-3.9	74	-0.02
23	S	Nitrobenzene-d5	80.000	81.851	-2.3	72	-0.01
24		Nitrobenzene	40.000	40.006	-0.0	69	-0.02
25		Isophorone	40.000	39.031	2.4	69	-0.02
26	C	2-Nitrophenol	40.000	41.393	-3.5	71	-0.01
27		2,4-Dimethylphenol	40.000	38.672	3.3	67	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.030	4.9	67	-0.02
29	C	2,4-Dichlorophenol	40.000	40.477	-1.2	71	0.00
30		1,2,4-Trichlorobenzene	40.000	40.839	-2.1	73	-0.01
31		Naphthalene	40.000	39.696	0.8	70	-0.01
32		Benzoic acid	40.000	42.423	-6.1	68	-0.03
33		4-Chloroaniline	40.000	35.561	11.1	62	-0.01
34	C	Hexachlorobutadiene	40.000	43.093	-7.7	76	-0.01
35		Caprolactam	40.000	39.448	1.4	69	-0.03
36	C	4-Chloro-3-methylphenol	40.000	41.200	-3.0	73	0.00
37		2-Methylnaphthalene	40.000	40.115	-0.3	71	-0.01
38		1-Methylnaphthalene	40.000	39.867	0.3	71	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	66	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	41.284	-3.2	73	-0.01
41	P	Hexachlorocyclopentadiene	40.000	44.139	-10.3	72	-0.01
42	S	2,4,6-Tribromophenol	80.000	89.734	-12.2	79	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.335	-3.3	70	0.00
44		2,4,5-Trichlorophenol	40.000	41.404	-3.5	74	0.00
45	S	2-Fluorobiphenyl	80.000	81.709	-2.1	74	-0.01
46		1,1'-Biphenyl	40.000	39.860	0.4	71	-0.01
47		2-Chloronaphthalene	40.000	39.569	1.1	71	-0.01

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.421	-3.6	72	0.00
49		Acenaphthylene	40.000	40.428	-1.1	72	-0.01
50		Dimethylphthalate	40.000	40.231	-0.6	73	-0.01
51		2,6-Dinitrotoluene	40.000	41.088	-2.7	72	-0.01
52	C	Acenaphthene	40.000	41.148	-2.9	74	-0.01
53		3-Nitroaniline	40.000	40.616	-1.5	68	-0.01
54	P	2,4-Dinitrophenol	40.000	48.068	-20.2	79	-0.01
55		Dibenzofuran	40.000	40.736	-1.8	72	-0.01
56	P	4-Nitrophenol	40.000	44.180	-10.4	74	0.00
57		2,4-Dinitrotoluene	40.000	43.245	-8.1	75	-0.02
58		Fluorene	40.000	41.680	-4.2	75	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.135	-5.3	73	0.00
60		Diethylphthalate	40.000	41.811	-4.5	74	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.757	-4.4	75	-0.01
62		4-Nitroaniline	40.000	45.227	-13.1	78	-0.02
63		Azobenzene	40.000	39.824	0.4	71	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	71	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	47.978	-19.9	80	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.757	0.6	73	-0.01
67		4-Bromophenyl-phenylether	40.000	40.899	-2.2	75	-0.01
68		Hexachlorobenzene	40.000	41.684	-4.2	77	-0.01
69		Atrazine	40.000	39.071	2.3	70	-0.02
70	C	Pentachlorophenol	40.000	45.399	-13.5	78	-0.01
71		Phenanthrene	40.000	41.409	-3.5	77	-0.01
72		Anthracene	40.000	41.850	-4.6	77	-0.01
73		Carbazole	40.000	43.663	-9.2	80	0.00
74		Di-n-butylphthalate	40.000	43.495	-8.7	80	-0.01
75	C	Fluoranthene	40.000	46.442	-16.1	86	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77		Benzidine	40.000	39.706	0.7	79	0.00
78		Pyrene	40.000	36.091	9.8	89	-0.01
79	S	Terphenyl-d14	80.000	75.722	5.3	94	-0.01
80		Butylbenzylphthalate	40.000	40.003	-0.0	97	-0.01
81		Benzo(a)anthracene	40.000	37.039	7.4	91	-0.01
82		3,3'-Dichlorobenzidine	40.000	37.342	6.6	89	-0.01
83		Chrysene	40.000	39.150	2.1	99	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	41.225	-3.1	101	-0.01
85	c	Di-n-octyl phthalate	40.000	40.161	-0.4	98	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	73	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	40.413	-1.0	76	-0.03
88		Benzo(b)fluoranthene	40.000	40.568	-1.4	83	-0.02
89		Benzo(k)fluoranthene	40.000	43.621	-9.1	82	-0.02
90	C	Benzo(a)pyrene	40.000	41.076	-2.7	79	-0.02
91		Dibenzo(a,h)anthracene	40.000	40.648	-1.6	76	-0.04
92		Benzo(g,h,i)perylene	40.000	39.851	0.4	75	-0.04

Sample Results: **BF141410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141410.D
Acq On : 04 Feb 2025 15:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 17:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141435.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.295		-0.6	
Benzaldehyde	0.960	0.988		2.9	
Phenol-d6	1.657	1.600		-3.4	
Phenol	1.757	1.663		-5.3	20.0
bis(2-Chloroethyl)ether	1.347	1.263		-6.2	
2-Chlorophenol	1.396	1.383		-0.9	
2-Methylphenol	1.135	1.083		-4.6	
2,2-oxybis(1-Chloropropane)	2.342	2.038		-13.0	
Acetophenone	0.475	0.493		3.8	
3+4-Methylphenols	1.393	1.395		0.1	
n-Nitroso-di-n-propylamine	0.985	0.951	0.050	-3.5	
Nitrobenzene-d5	0.379	0.397		4.5	
Hexachloroethane	0.571	0.582		1.9	
Nitrobenzene	0.393	0.403		2.5	
Isophorone	0.656	0.632		-3.7	
2-Nitrophenol	0.185	0.191		3.2	20.0
2,4-Dimethylphenol	0.236	0.229		-3.0	
bis(2-Chloroethoxy)methane	0.418	0.393		-6.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.058		0.1	
4-Chloroaniline	0.358	0.335		-6.4	
Hexachlorobutadiene	0.194	0.212		9.3	20.0
Caprolactam	0.094	0.092		-2.1	
4-Chloro-3-methylphenol	0.310	0.323		4.2	20.0
2-Methylnaphthalene	0.672	0.670		-0.3	
Hexachlorocyclopentadiene	0.168	0.166	0.050	-1.2	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.338		3.0	
2,4,5-Trichlorophenol	0.405	0.418		3.2	
1,1-Biphenyl	1.560	1.536		-1.5	
2-Chloronaphthalene	1.216	1.222		0.5	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.345		-0.4	
Acenaphthylene	1.702	1.696		-0.4	
2,6-Dinitrotoluene	0.314	0.319		1.6	
3-Nitroaniline	0.307	0.309		0.7	
Acenaphthene	1.216	1.232		1.3	20.0
2,4-Dinitrophenol	0.146	0.160	0.050	9.6	
4-Nitrophenol	0.225	0.235	0.050	4.4	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.626		-0.1	
2,4-Dinitrotoluene	0.406	0.428		5.4	
Diethylphthalate	1.310	1.326		1.2	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.312		4.0	
4-Nitroaniline	0.302	0.314		4.0	
4,6-Dinitro-2-methylphenol	0.118	0.135		14.4	
n-Nitrosodiphenylamine	0.647	0.657		1.5	20.0
2,4,6-Tribromophenol	0.183	0.197		7.7	
4-Bromophenyl-phenylether	0.224	0.231		3.1	
Hexachlorobenzene	0.238	0.246		3.4	
Atrazine	0.216	0.200		-7.4	
Pentachlorophenol	0.139	0.151		8.6	20.0
Phenanthrene	1.075	1.115		3.7	
Anthracene	1.053	1.101		4.6	
Carbazole	0.934	1.005		7.6	
Di-n-butylphthalate	1.132	1.165		2.9	
Fluoranthene	1.062	1.154		8.7	20.0
Pyrene	1.920	1.874		-2.4	
Terphenyl-d14	1.297	1.290		-0.5	
Butylbenzylphthalate	0.671	0.667		-0.6	
3,3-Dichlorobenzidine	0.439	0.419		-4.6	
Benzo(a)anthracene	1.380	1.310		-5.1	
Chrysene	1.265	1.242		-1.8	
Bis(2-ethylhexyl)phthalate	0.851	0.821		-3.5	
Di-n-octyl phthalate	1.321	1.243		-5.9	20.0
Benzo(b)fluoranthene	1.258	1.327		5.5	
Benzo(k)fluoranthene	1.114	1.082		-2.9	
Benzo(a)pyrene	1.063	1.102		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.411		9.3	
Dibenzo(a,h)anthracene	1.039	1.133		9.0	
Benzo(g,h,i)perylene	1.080	1.191		10.3	
1,2,4,5-Tetrachlorobenzene	0.569	0.579		1.8	
1,4-Dioxane	0.573	0.500		-12.7	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.335		5.0	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	78610	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	301871	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	162758	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	271503	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	168458	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	170248	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	407329	79.549	ng	0.00
7) Phenol-d6	6.434	99	503234	77.255	ng	0.00
23) Nitrobenzene-d5	7.357	82	478767	83.608	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	127994	85.780	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	870937	82.364	ng	-0.01
79) Terphenyl-d14	12.904	244	869288	79.581	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.457	88	78559	34.885	ng	94
3) Pyridine	3.187	79	194117	35.776	ng	95
4) n-Nitrosodimethylamine	3.140	42	135212m	43.622	ng	
6) Aniline	6.451	93	203874	36.974	ng	# 15
8) 2-Chlorophenol	6.581	128	217362	39.605	ng	98
9) Benzaldehyde	6.340	77	155340	41.171	ng	99
10) Phenol	6.445	94	261387	37.854	ng	# 70
11) bis(2-Chloroethyl)ether	6.528	93	198646	37.520	ng	99
12) 1,3-Dichlorobenzene	6.734	146	244041	40.328	ng	100
13) 1,4-Dichlorobenzene	6.810	146	248088	40.809	ng	100
14) 1,2-Dichlorobenzene	6.963	146	230694	40.526	ng	98
15) Benzyl Alcohol	6.934	79	188189	42.275	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.069	45	320404	34.802	ng	83
17) 2-Methylphenol	7.051	107	170207	38.159	ng	93
18) Hexachloroethane	7.304	117	91496	40.798	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	149493	38.623	ng	100
20) 3+4-Methylphenols	7.210	107	219253	40.033	ng	94
22) Acetophenone	7.204	105	297343	41.439	ng	97
24) Nitrobenzene	7.375	77	243522	41.037	ng	98
25) Isophorone	7.616	82	381288	38.520	ng	99
26) 2-Nitrophenol	7.692	139	115128	41.137	ng	95
27) 2,4-Dimethylphenol	7.734	122	138196m	38.795	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	236983	37.533	ng	99
29) 2,4-Dichlorophenol	7.939	162	179202	41.092	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	204292	41.020	ng	100
31) Naphthalene	8.098	128	638897	40.064	ng	99
32) Benzoic acid	7.851	122	131516	40.161	ng	94
33) 4-Chloroaniline	8.145	127	202319	37.413	ng	98
34) Hexachlorobutadiene	8.216	225	128024	43.834	ng	99
35) Caprolactam	8.516	113	55628	39.058	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	195300	41.751	ng	94
37) 2-Methylnaphthalene	8.786	142	404544	39.913	ng	100
38) 1-Methylnaphthalene	8.886	142	396613	39.835	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	188623	40.737	ng	99
41) Hexachlorocyclopentadiene	8.939	237	53928	39.437	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	125213	41.315	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	136179	41.284	ng		99
46) 1,1'-Biphenyl	9.251	154	500011	39.392	ng		97
47) 2-Chloronaphthalene	9.275	162	397635	40.191	ng		100
48) 2-Nitroaniline	9.375	65	128787	41.385	ng		97
49) Acenaphthylene	9.692	152	552204	39.872	ng		100
50) Dimethylphthalate	9.557	163	437816	39.828	ng		100
51) 2,6-Dinitrotoluene	9.616	165	103868	40.695	ng		95
52) Acenaphthene	9.863	154	400902	40.520	ng		98
53) 3-Nitroaniline	9.786	138	100475	40.165	ng		97
54) 2,4-Dinitrophenol	9.892	184	52193	43.990	ng	#	85
55) Dibenzofuran	10.033	168	529389	39.973	ng		96
56) 4-Nitrophenol	9.963	139	76553	41.844	ng		90
57) 2,4-Dinitrotoluene	10.022	165	139267	42.144	ng		96
58) Fluorene	10.380	166	427075	41.573	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	109126	42.052	ng		97
60) Diethylphthalate	10.251	149	431776	40.510	ng		99
61) 4-Chlorophenyl-phenyle...	10.375	204	209555	41.761	ng		99
62) 4-Nitroaniline	10.398	138	102198	41.554	ng		89
63) Azobenzene	10.533	77	406009	38.055	ng		97
65) 4,6-Dinitro-2-methylph...	10.433	198	73514	45.776	ng		99
66) n-Nitrosodiphenylamine	10.492	169	356533	40.601	ng		99
67) 4-Bromophenyl-phenylether	10.863	248	125379	41.249	ng		98
68) Hexachlorobenzene	10.928	284	133335	41.354	ng		98
69) Atrazine	11.022	200	108751	37.040	ng		99
70) Pentachlorophenol	11.127	266	82010	43.436	ng		99
71) Phenanthrene	11.345	178	605311	41.476	ng		99
72) Anthracene	11.392	178	597915	41.812	ng		99
73) Carbazole	11.551	167	545853	43.048	ng		100
74) Di-n-butylphthalate	11.880	149	632426	41.155	ng		100
75) Fluoranthene	12.533	202	626646	43.486	ng		97
77) Benzidine	12.657	184	207554	38.432	ng		98
78) Pyrene	12.763	202	631407	39.047	ng		99
80) Butylbenzylphthalate	13.380	149	224717	39.778	ng		99
81) Benzo(a)anthracene	13.951	228	441320	37.964	ng		100
82) 3,3'-Dichlorobenzidine	13.916	252	141060	38.153	ng		98
83) Chrysene	13.992	228	418577	39.290	ng		100
84) Bis(2-ethylhexyl)phtha...	13.945	149	276519	38.586	ng		98
85) Di-n-octyl phthalate	14.568	149	418773	37.624	ng		99
87) Indeno(1,2,3-cd)pyrene	16.874	276	480324	43.712	ng		95
88) Benzo(b)fluoranthene	15.004	252	451713	42.180	ng		98
89) Benzo(k)fluoranthene	15.033	252	368364	38.829	ng		98
90) Benzo(a)pyrene	15.363	252	375306	41.472	ng		98
91) Dibenzo(a,h)anthracene	16.892	278	385925	43.654	ng		97
92) Benzo(g,h,i)perylene	17.309	276	405442	44.107	ng		95

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

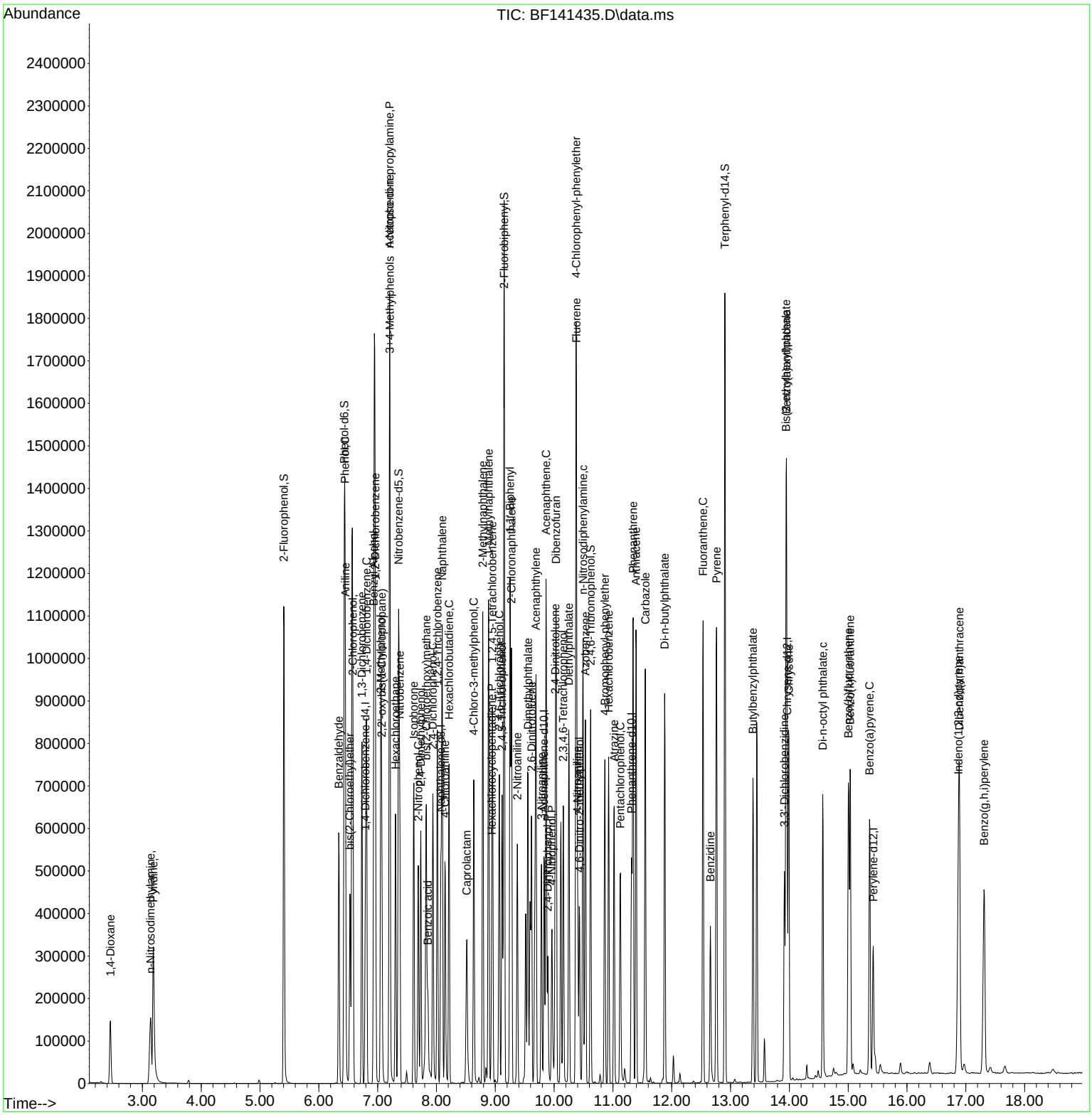
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

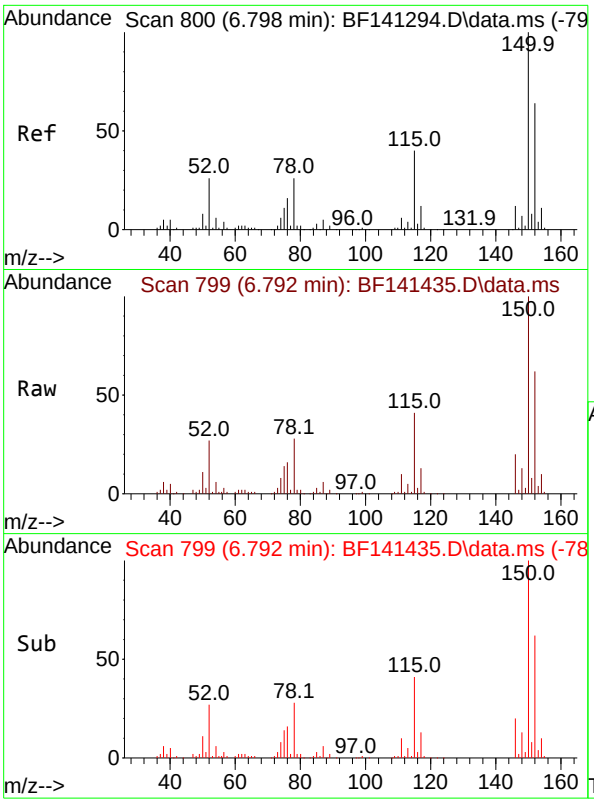
Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

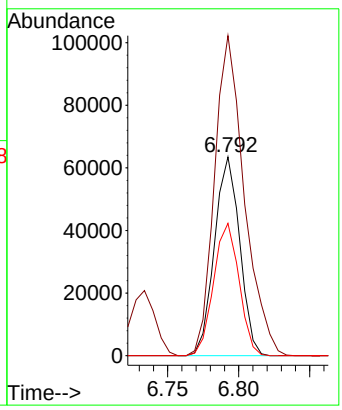




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:152 Resp: 7861

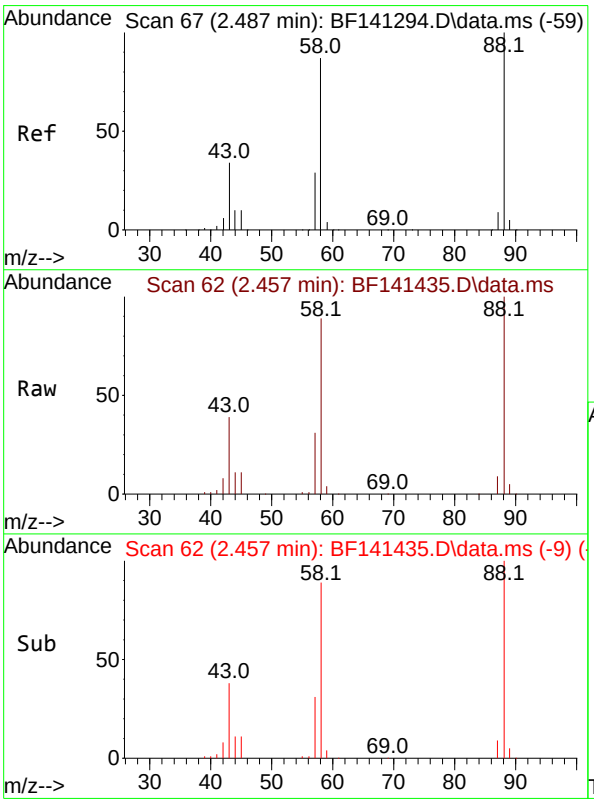
Ion	Ratio	Lower	Upper
152	100		
150	161.0	125.9	188.9
115	66.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

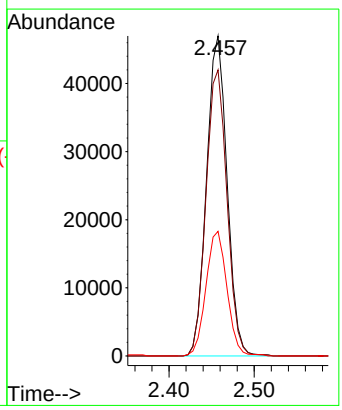
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

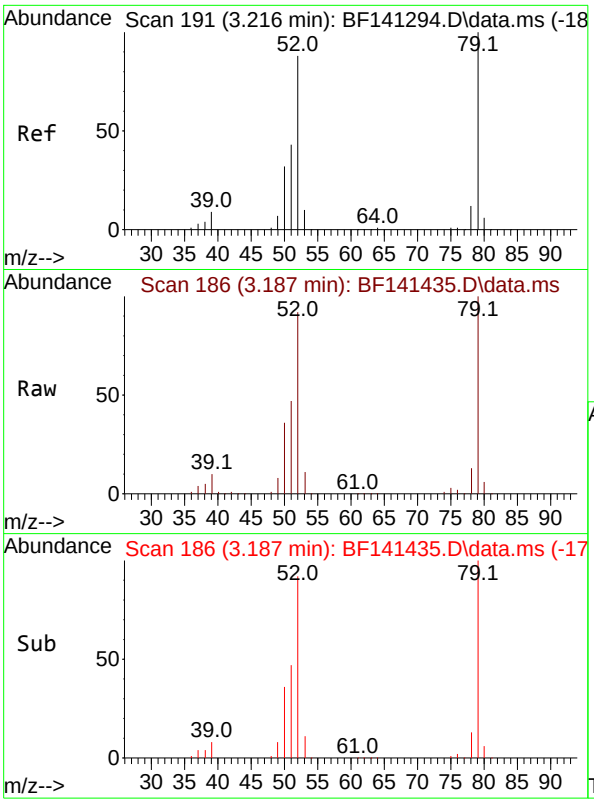


#2
1,4-Dioxane
Concen: 34.885 ng
RT: 2.457 min Scan# 62
Delta R.T. -0.035 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 88 Resp: 78559

Ion	Ratio	Lower	Upper
88	100		
58	91.6	70.2	105.4
43	40.0	27.6	41.4

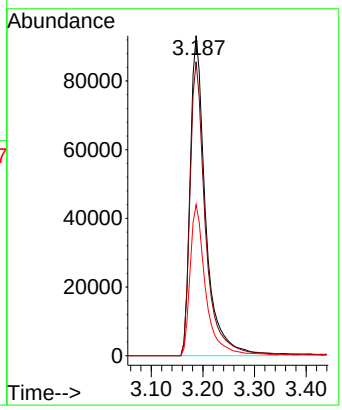




#3
Pyridine
Concen: 35.776 ng
RT: 3.187 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 79 Resp: 19411

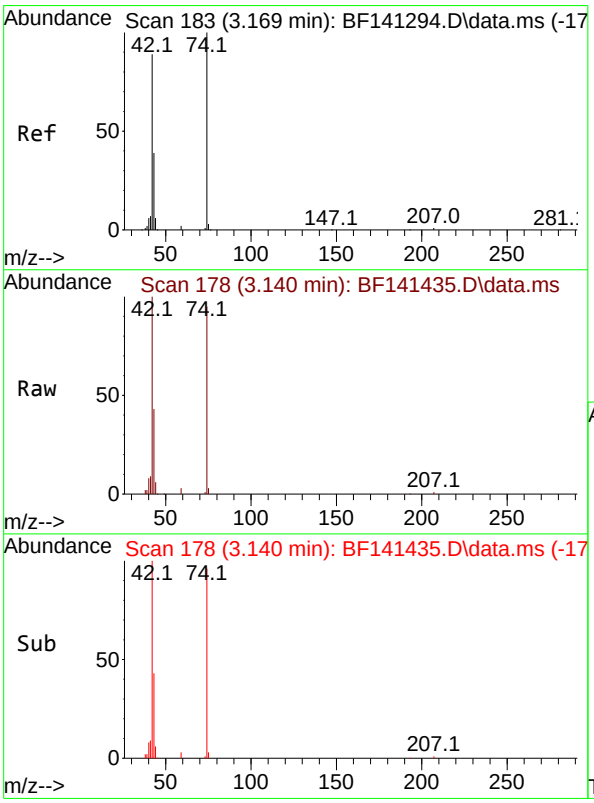
Ion	Ratio	Lower	Upper
79	100		
52	91.9	70.3	105.5
51	47.2	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

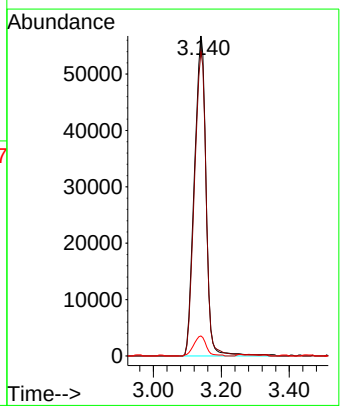
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

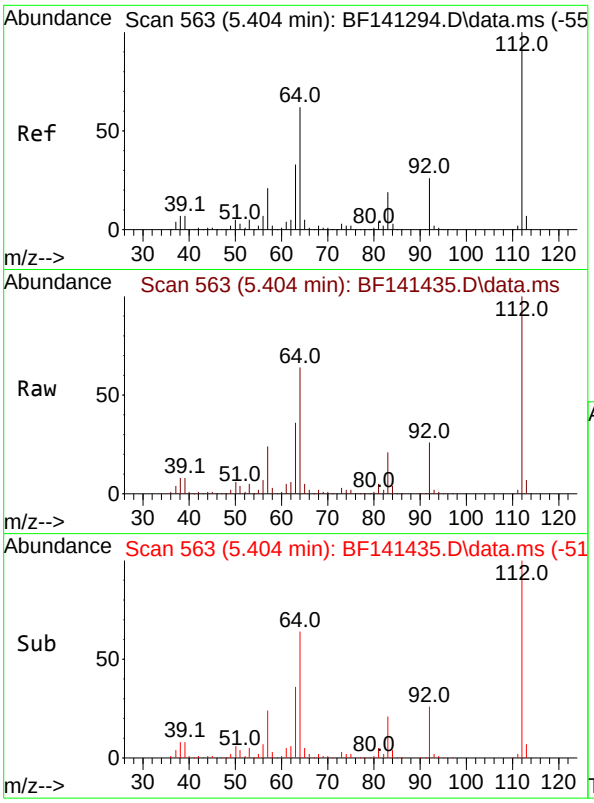


#4
n-Nitrosodimethylamine
Concen: 43.622 ng m
RT: 3.140 min Scan# 178
Delta R.T. -0.059 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 42 Resp: 135212

Ion	Ratio	Lower	Upper
42	100		
74	95.2	90.3	135.5
44	6.3	5.7	8.5





#5
2-Fluorophenol
Concen: 79.549 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

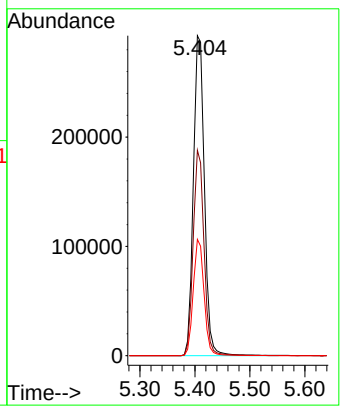
Tgt Ion:112 Resp: 40732

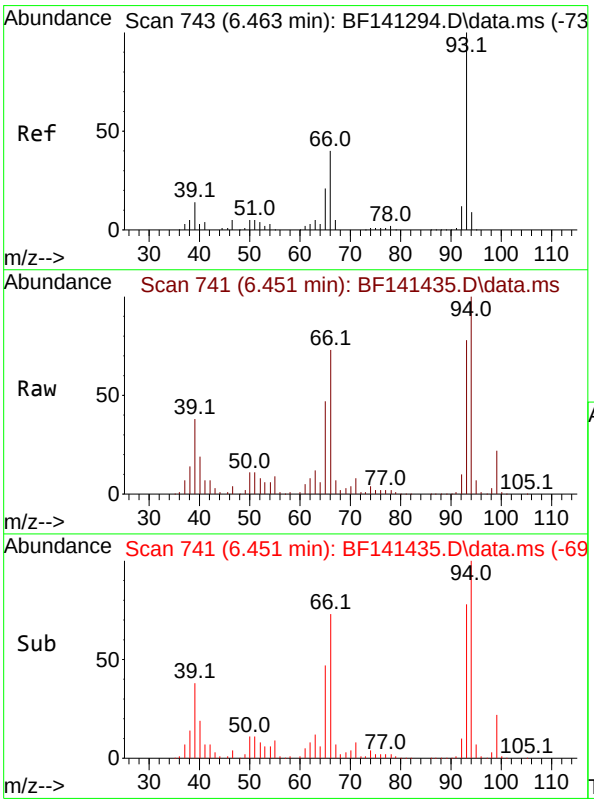
Ion	Ratio	Lower	Upper
112	100		
64	64.2	49.8	74.8
63	36.3	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

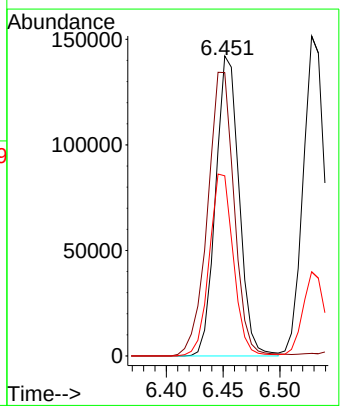


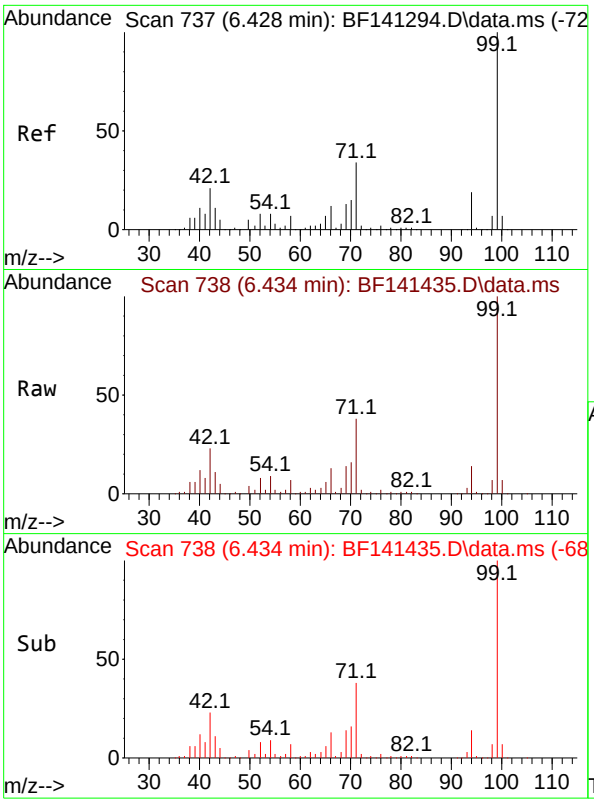


#6
Aniline
Concen: 36.974 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 93 Resp: 203874

Ion	Ratio	Lower	Upper
93	100		
66	94.5	32.5	48.7#
65	60.0	17.0	25.6#

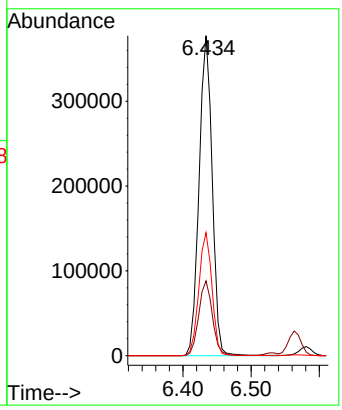




#7
Phenol-d6
Concen: 77.255 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 99 Resp: 50323

Ion	Ratio	Lower	Upper
99	100		
42	23.3	17.1	25.7
71	38.5	26.9	40.3



Instrument :
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ClientSampleId :
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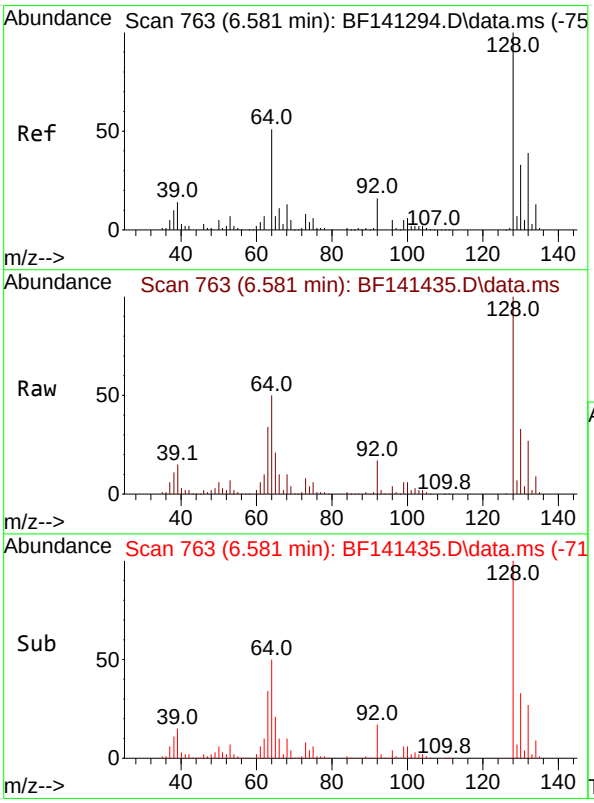
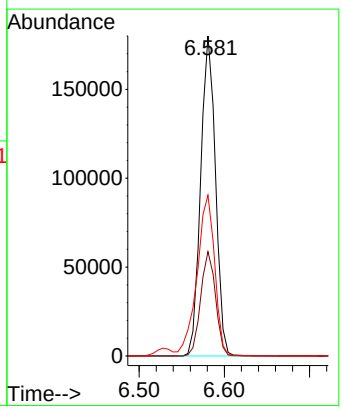
Supervised By :mohammad ahmed 02/06/2025

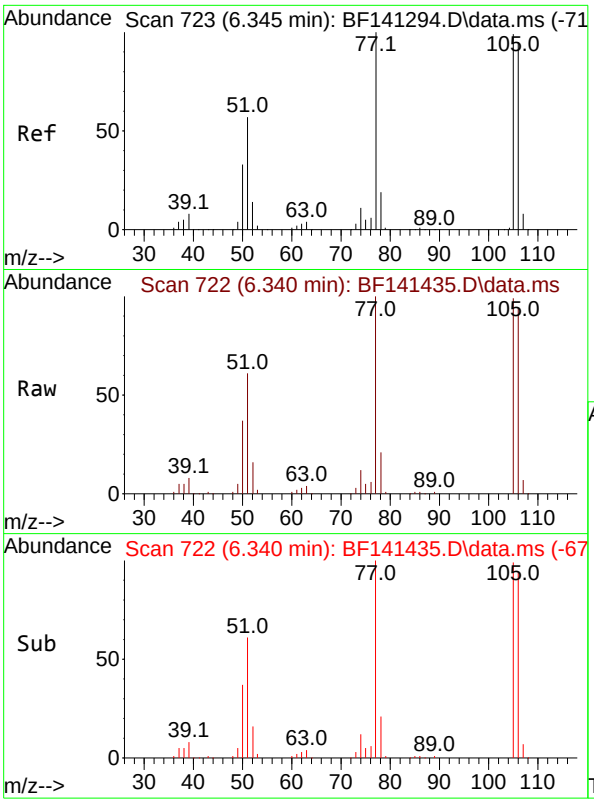


#8
2-Chlorophenol
Concen: 39.605 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:128 Resp: 217362

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	50.3	32.9	72.9





#9
Benzaldehyde
Concen: 41.171 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 77 Resp: 15534

Ion	Ratio	Lower	Upper
77	100		
105	98.6	79.4	119.4
106	93.6	74.6	114.6

Instrument :
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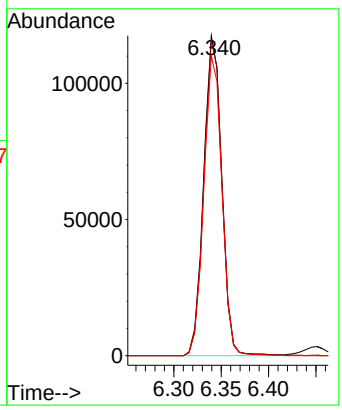
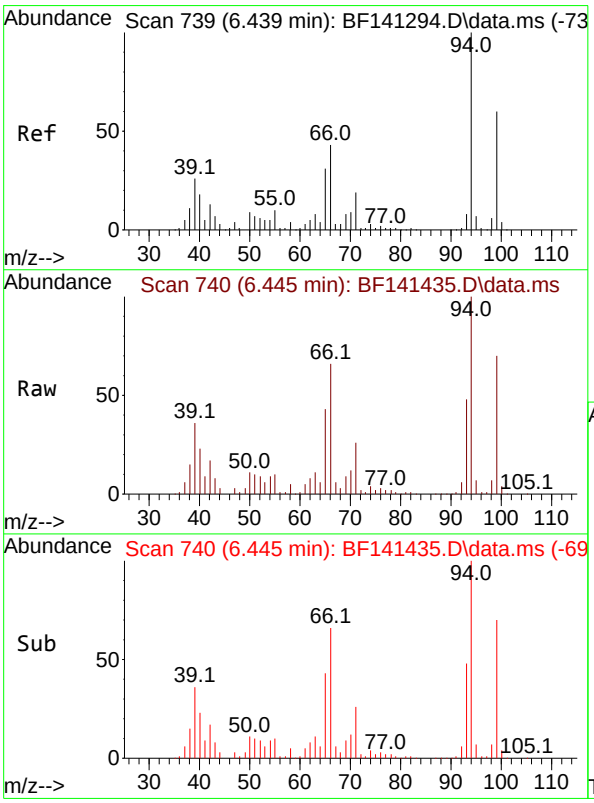
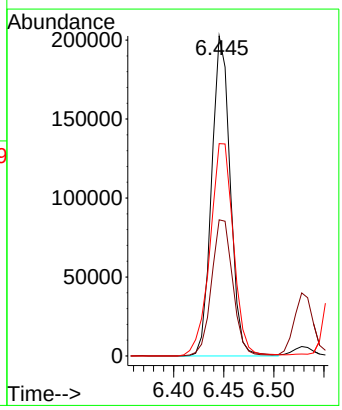


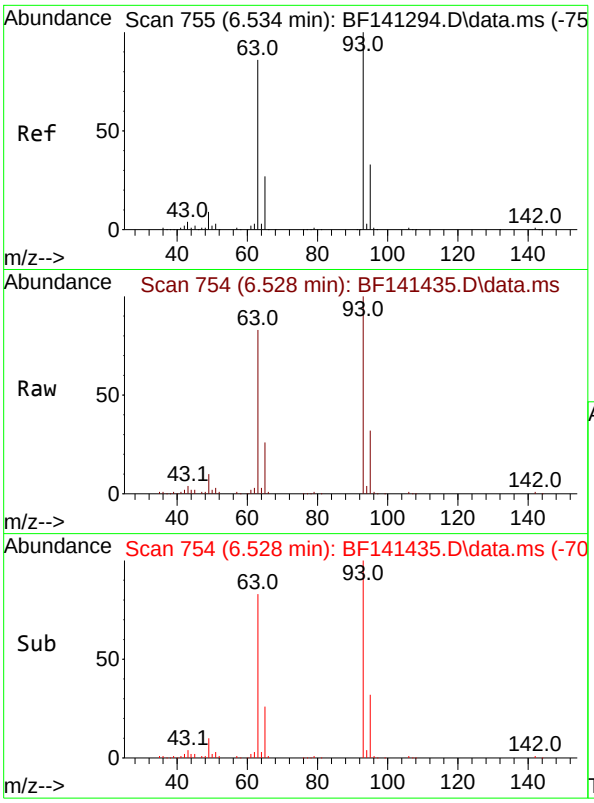


#10
Phenol
Concen: 37.854 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 94 Resp: 261387

Ion	Ratio	Lower	Upper
94	100		
65	42.6	10.8	50.8
66	66.3	23.3	63.3#

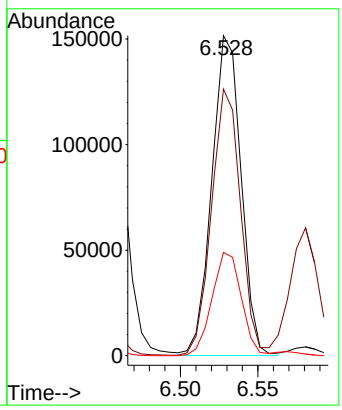




#11
bis(2-Chloroethyl)ether
Concen: 37.520 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 93 Resp: 19864

Ion	Ratio	Lower	Upper
93	100		
63	83.3	65.0	105.0
95	32.2	12.4	52.4



Instrument :
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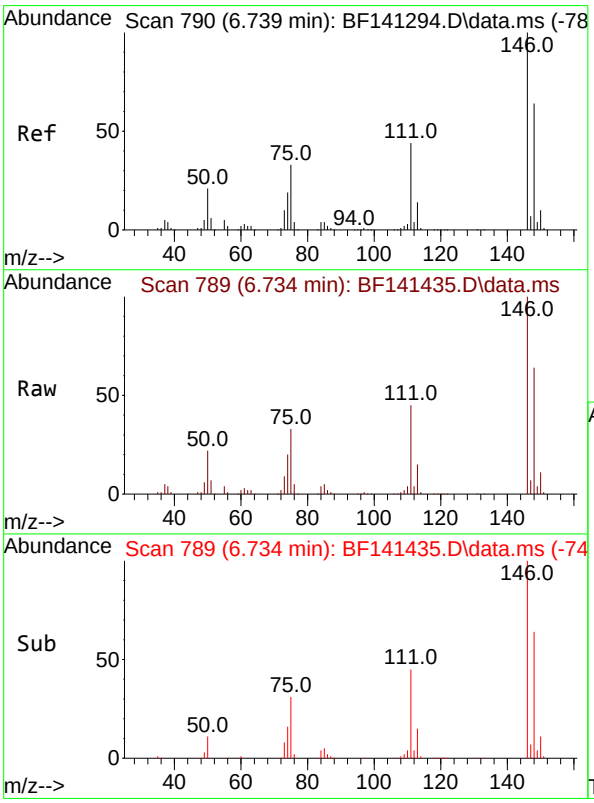
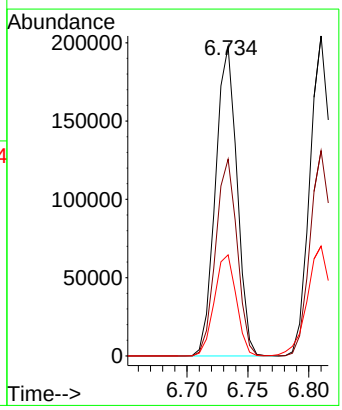
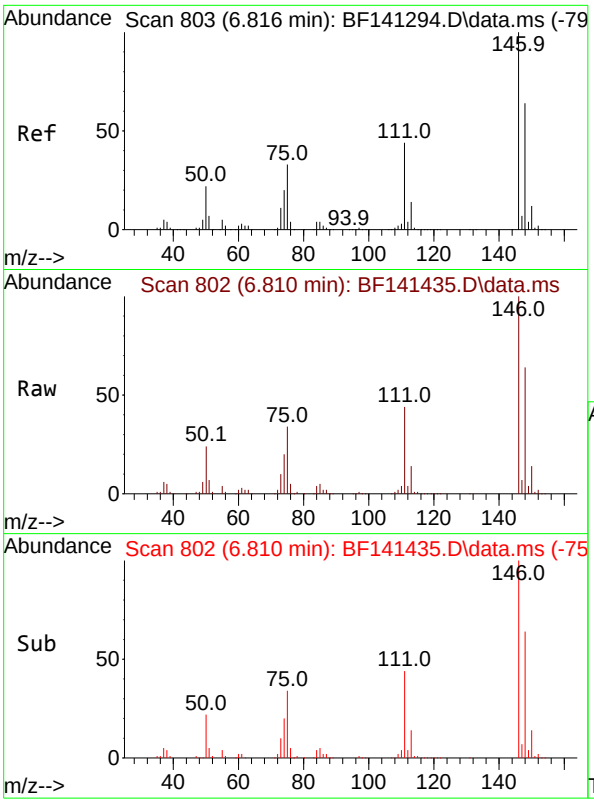


#12
1,3-Dichlorobenzene
Concen: 40.328 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:146 Resp: 244041

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
75	32.6	26.2	39.4

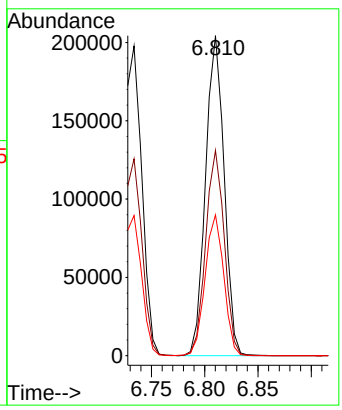




#13
1,4-Dichlorobenzene
Concen: 40.809 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:146 Resp: 24808

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.2	76.8
111	44.0	35.0	52.4



Instrument :
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ClientSampleId :
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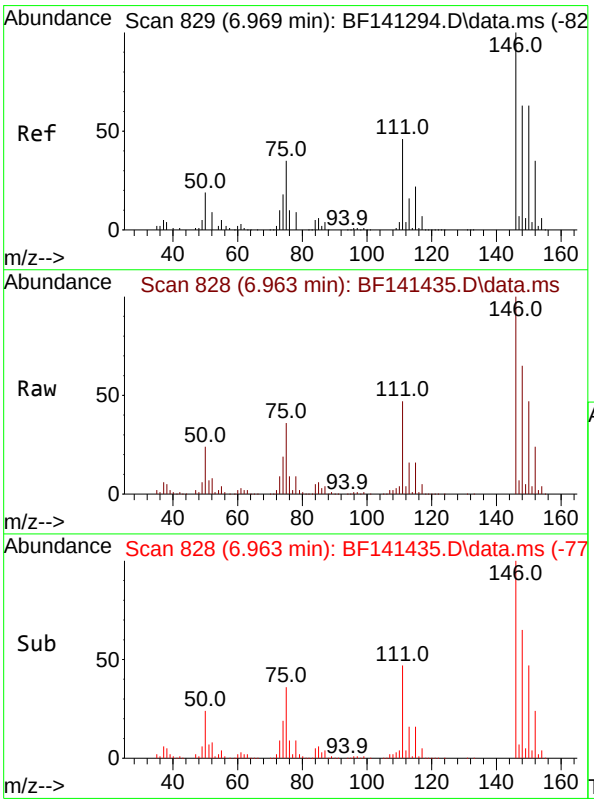
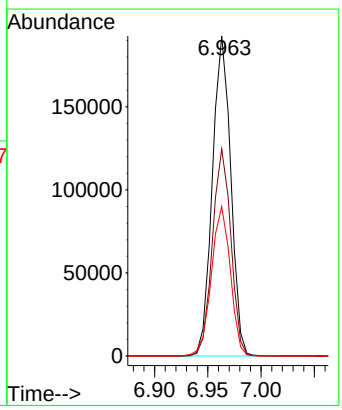
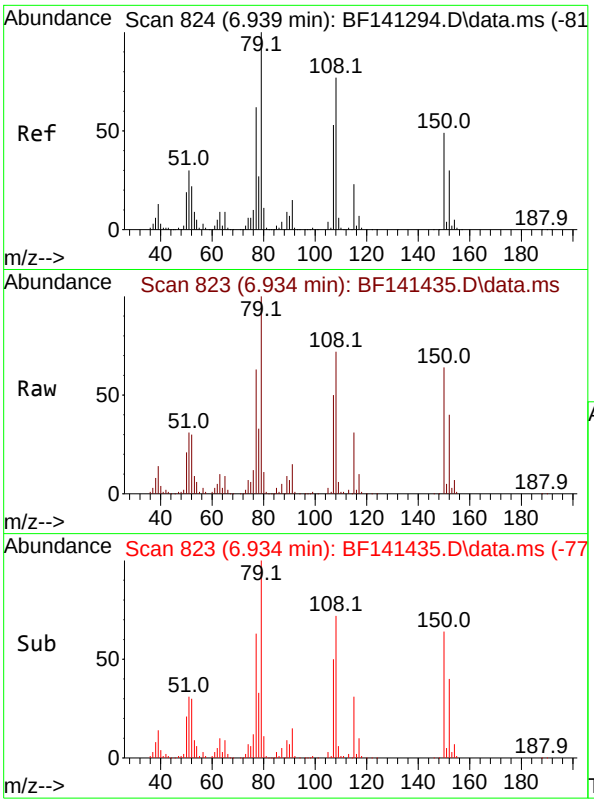


#14
1,2-Dichlorobenzene
Concen: 40.526 ng
RT: 6.963 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:146 Resp: 230694

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.5	75.7
111	46.7	36.6	55.0





#15
Benzyl Alcohol
Concen: 42.275 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 79 Resp: 18818

Ion	Ratio	Lower	Upper
79	100		
108	71.6	61.4	92.0
77	63.5	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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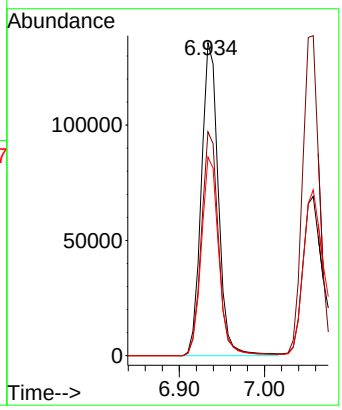
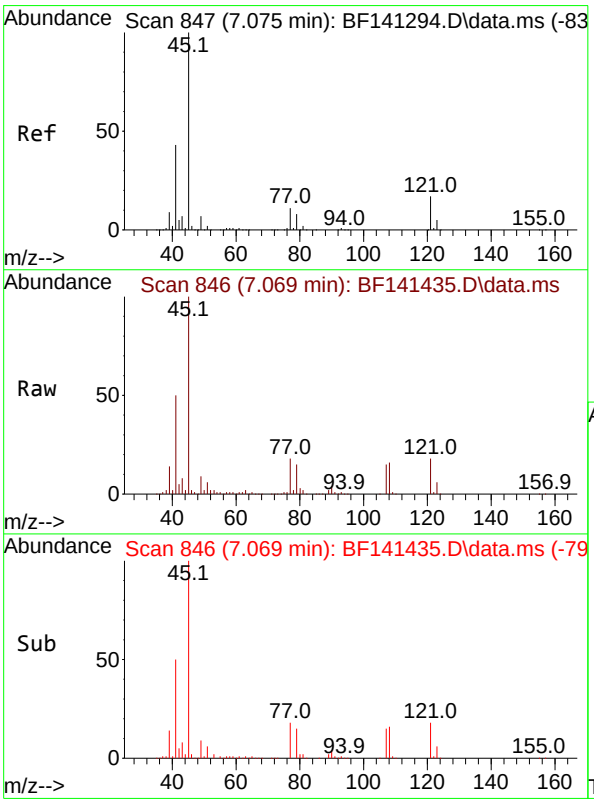
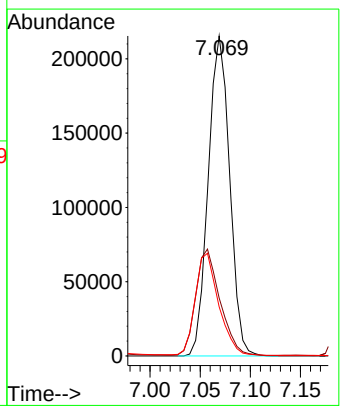


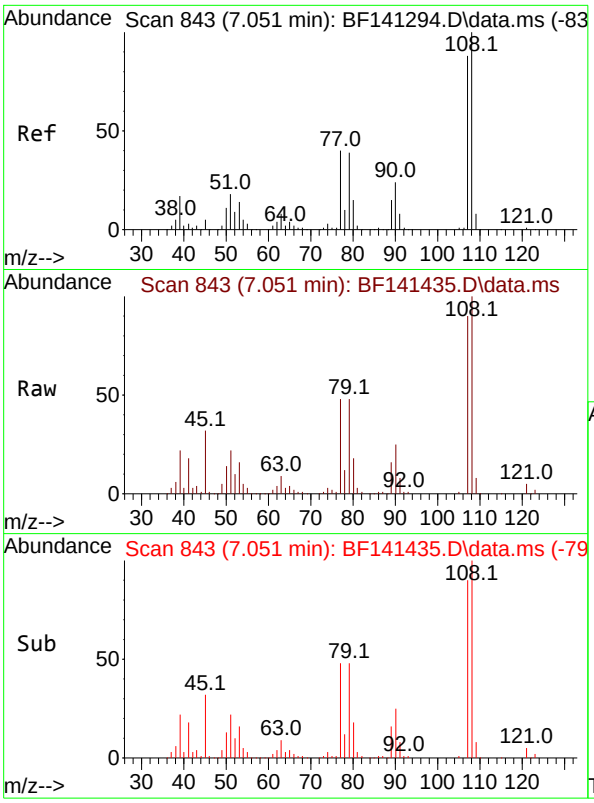


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.802 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 45 Resp: 320404

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	31.8
79	15.4	0.0	29.1

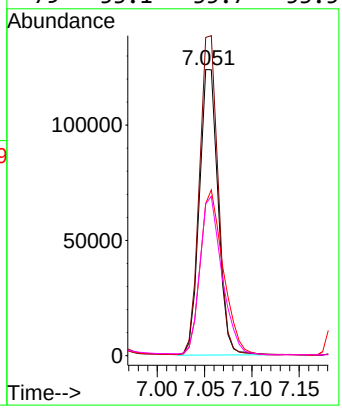




#17
2-Methylphenol
Concen: 38.159 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 17020

Ion	Ratio	Lower	Upper
107	100		
108	111.2	90.8	136.2
77	53.2	36.2	54.4
79	53.1	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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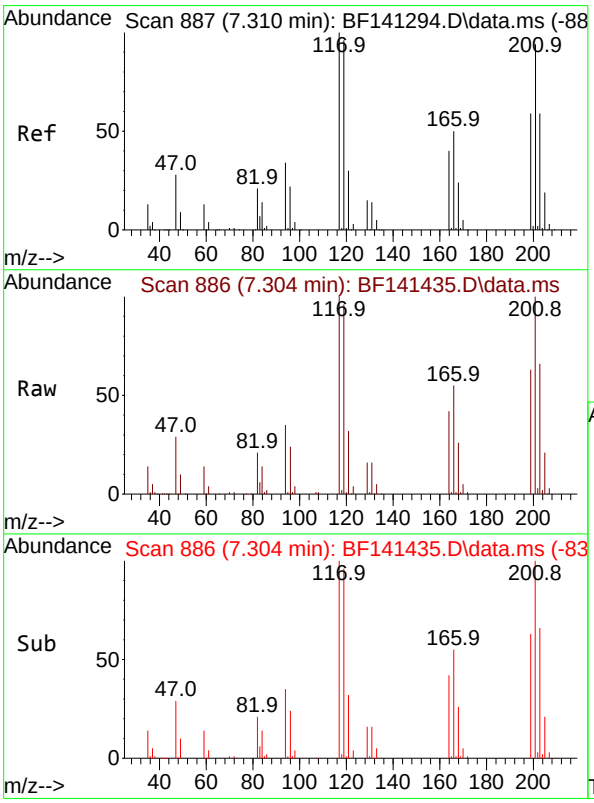
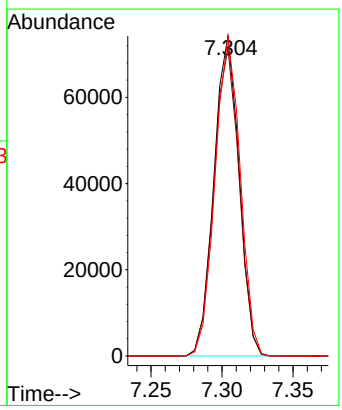
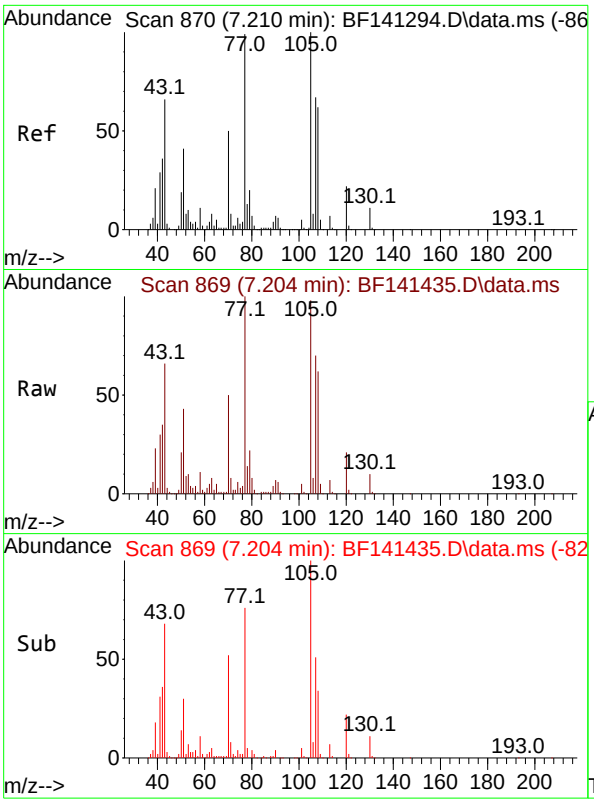


#18
Hexachloroethane
Concen: 40.798 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:117 Resp: 91496

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	114.8
201	99.7	74.8	112.2

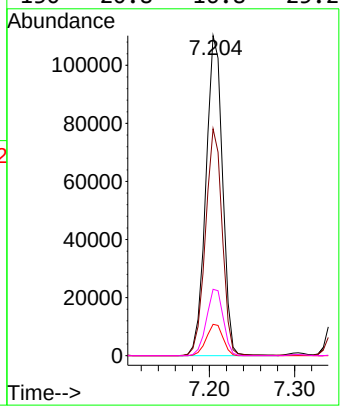




#19
n-Nitroso-di-n-propylamine
Concen: 38.623 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 70 Resp: 14949

Ion	Ratio	Lower	Upper
70	100		
42	70.9	56.8	85.2
101	9.8	7.7	11.5
130	20.8	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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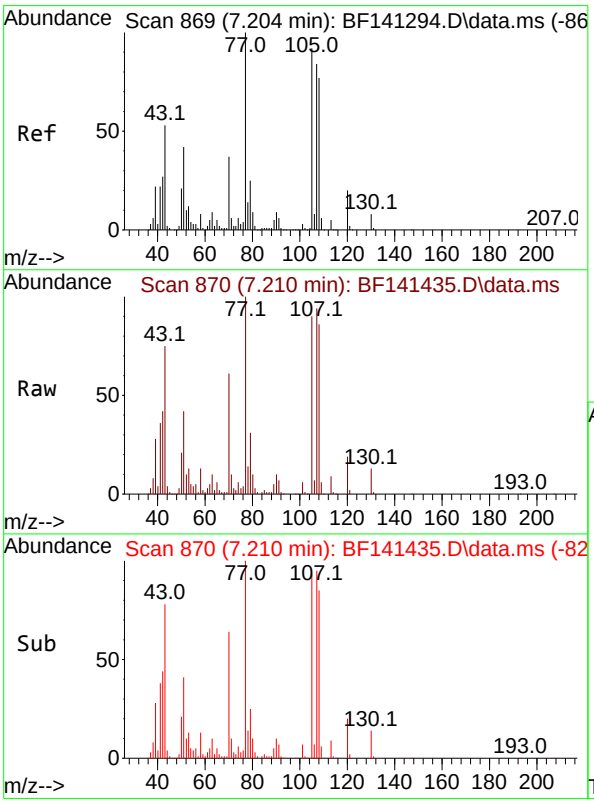
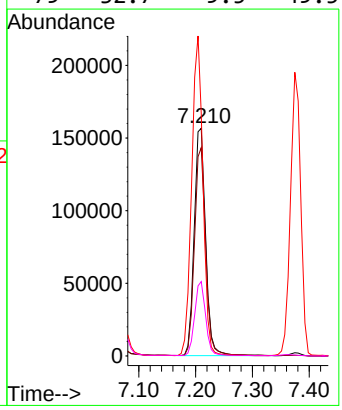
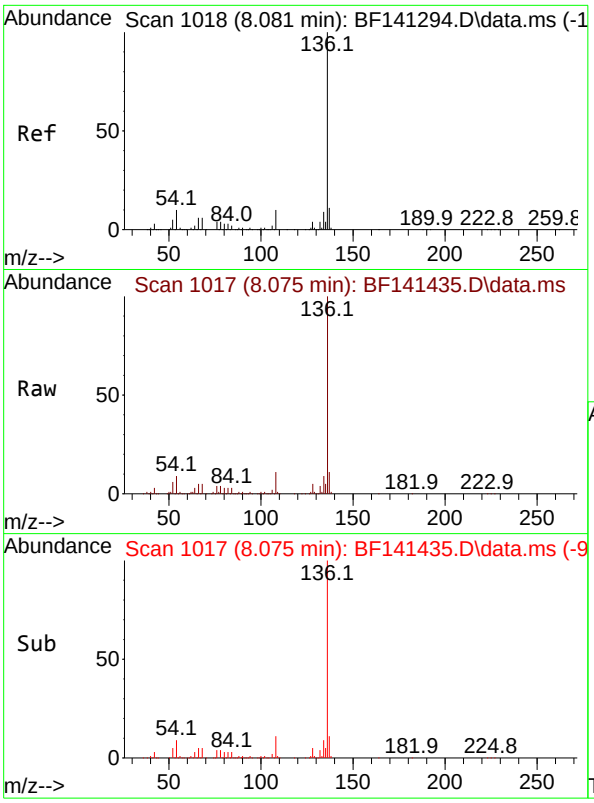


#20
3+4-Methylphenols
Concen: 40.033 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 219253

Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.9	110.9
77	106.4	98.5	138.5
79	32.7	9.5	49.5

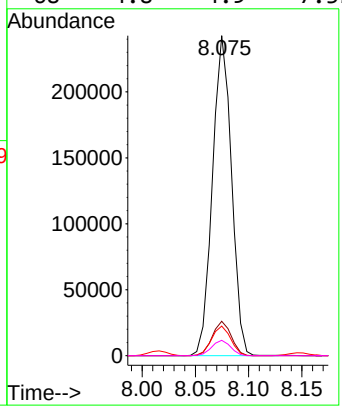




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:136 Resp: 30187

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.2	7.8	11.8
68	4.8	4.9	7.3#



Instrument :
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ClientSampleId :
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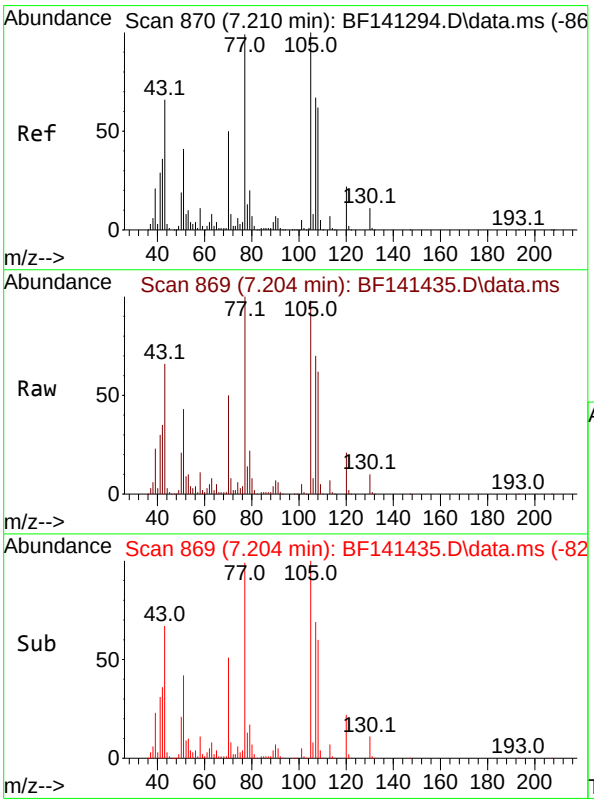
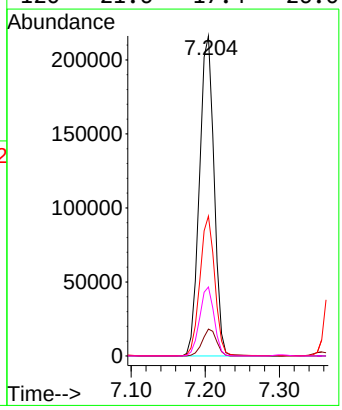
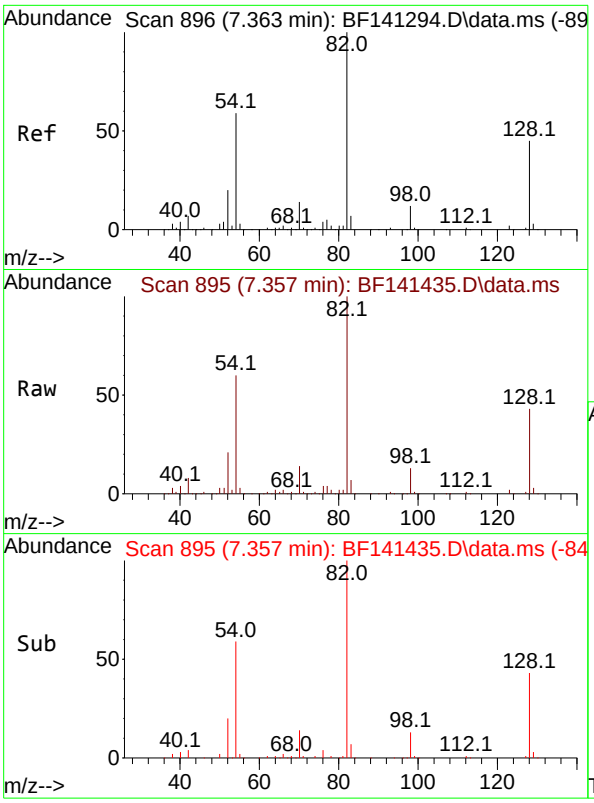


#22
Acetophenone
Concen: 41.439 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:105 Resp: 297343

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.8	10.2
51	43.7	32.6	49.0
120	21.6	17.4	26.0

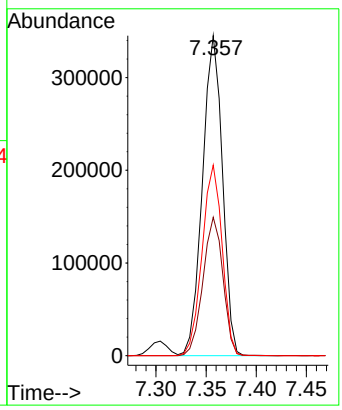




#23
Nitrobenzene-d5
Concen: 83.608 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 82 Resp: 47876

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.7	53.5
54	59.5	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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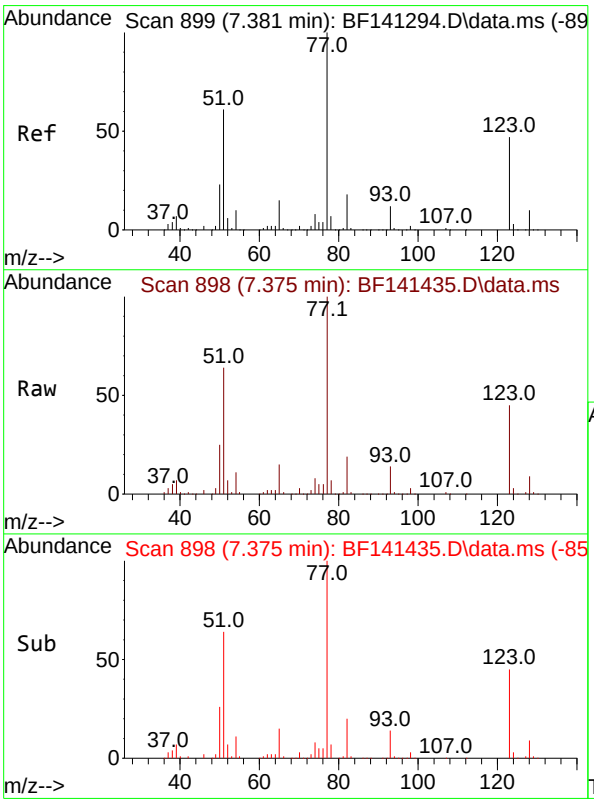
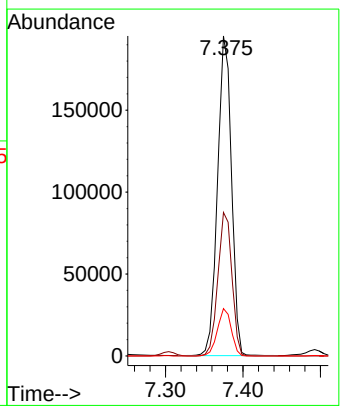
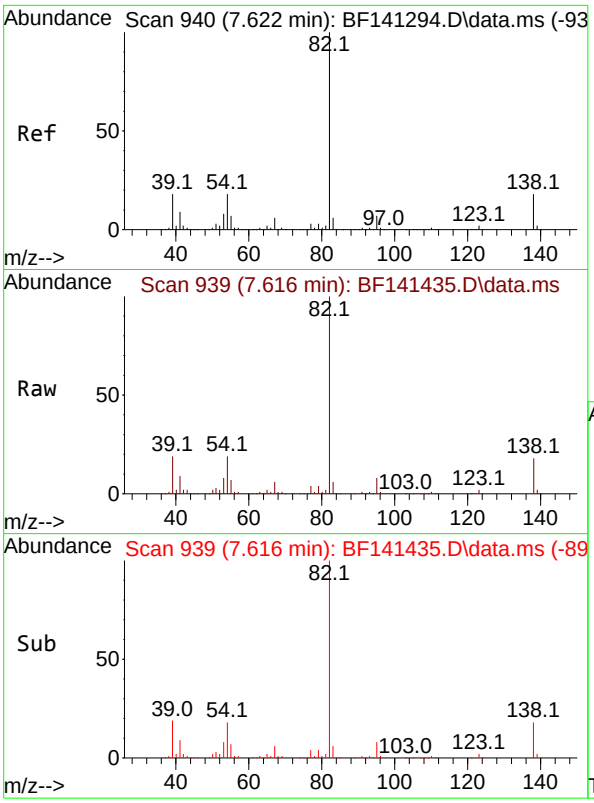


#24
Nitrobenzene
Concen: 41.037 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 77 Resp: 243522

Ion	Ratio	Lower	Upper
77	100		
123	44.9	37.3	55.9
65	14.8	11.8	17.6

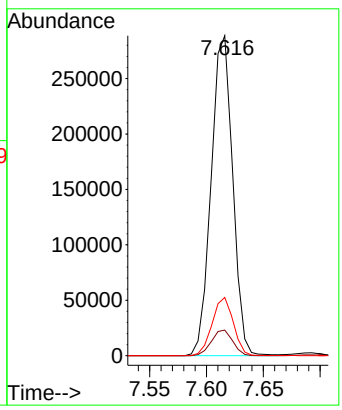




#25
Isophorone
Concen: 38.520 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 82 Resp: 38128

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.6
138	18.2	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
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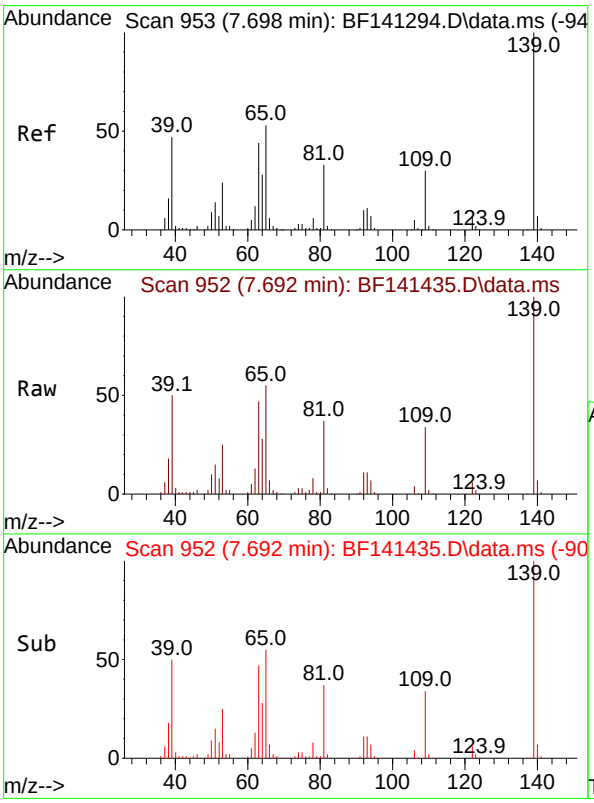
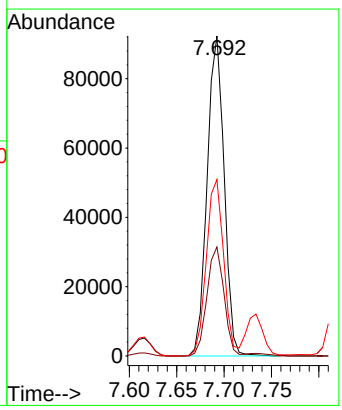
Supervised By :mohammad ahmed 02/06/2025

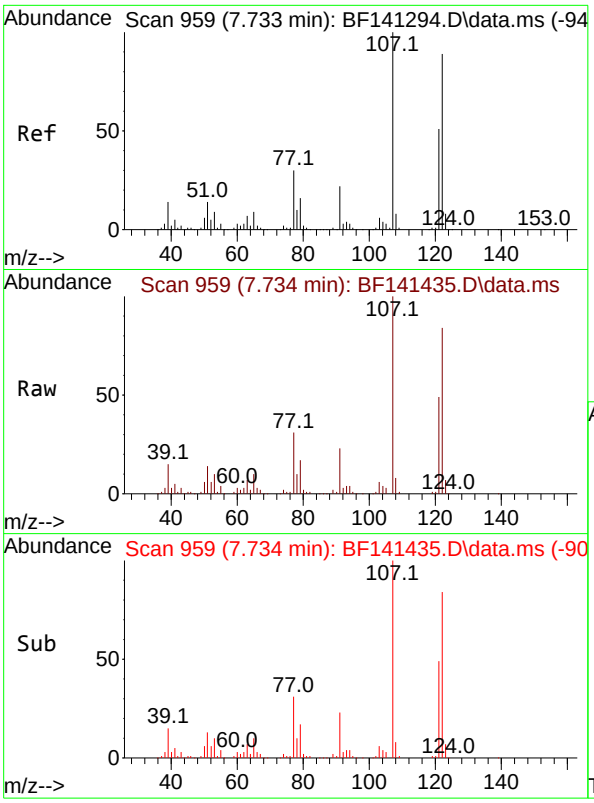


#26
2-Nitrophenol
Concen: 41.137 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:139 Resp: 115128

Ion	Ratio	Lower	Upper
139	100		
109	34.0	23.8	35.6
65	55.2	42.2	63.4

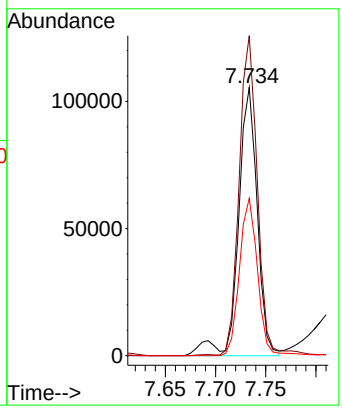




#27
2,4-Dimethylphenol
Concen: 38.795 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:122 Resp: 13819

Ion	Ratio	Lower	Upper
122	100		
107	119.3	89.9	134.9
121	58.7	46.1	69.1



Instrument :
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ClientSampleId :
SSTDCCC040

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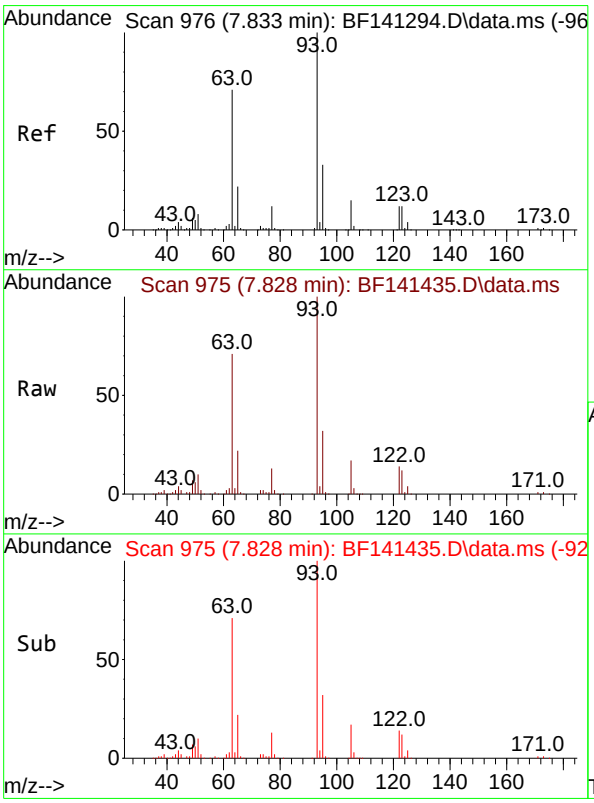
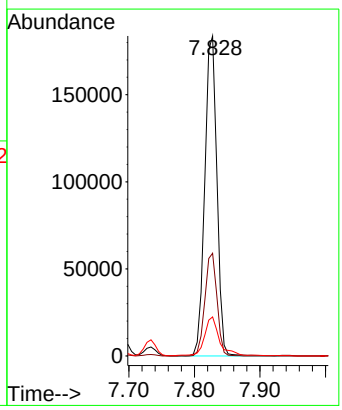
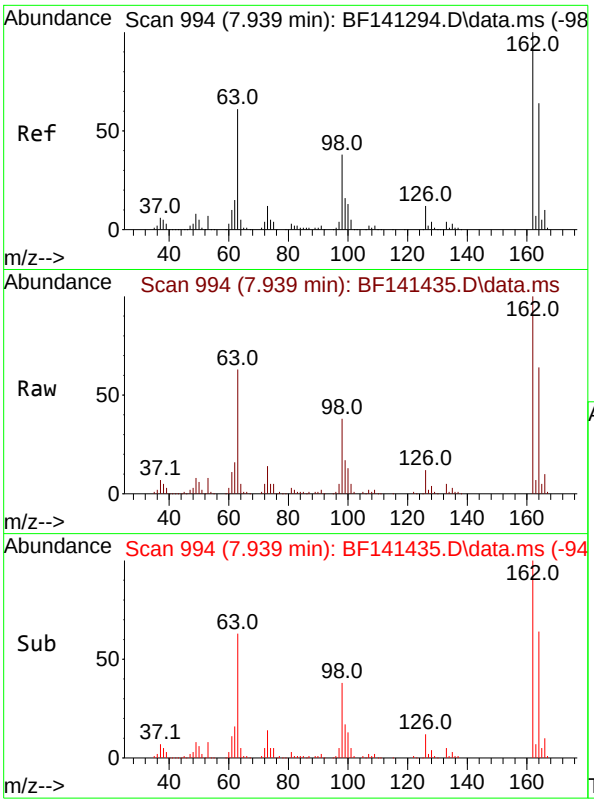


#28
bis(2-Chloroethoxy)methane
Concen: 37.533 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 93 Resp: 236983

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.2
123	12.2	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 41.092 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:162 Resp: 17920

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	38.4	18.2	58.2

Instrument :
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ClientSampleId :
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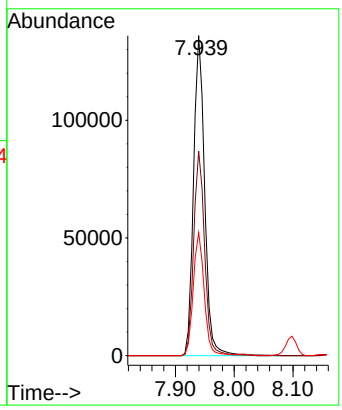
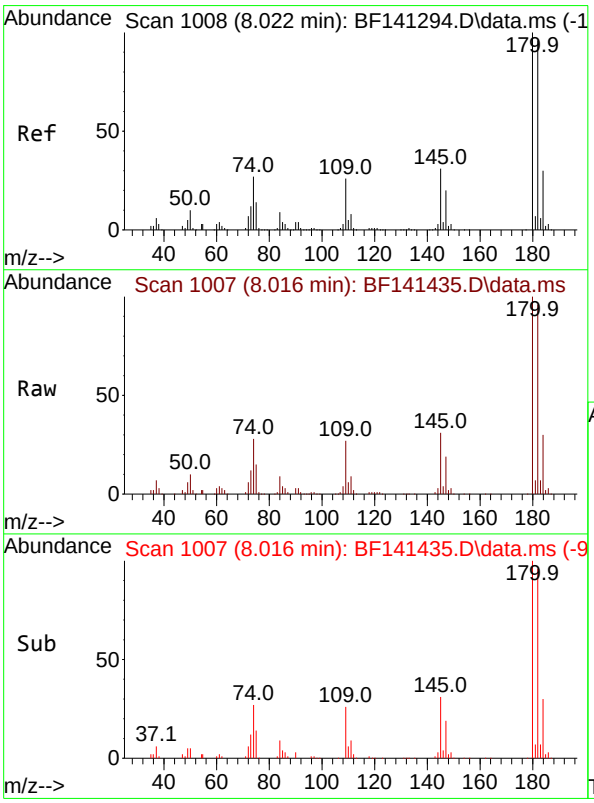
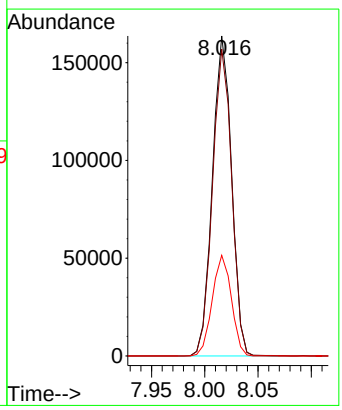


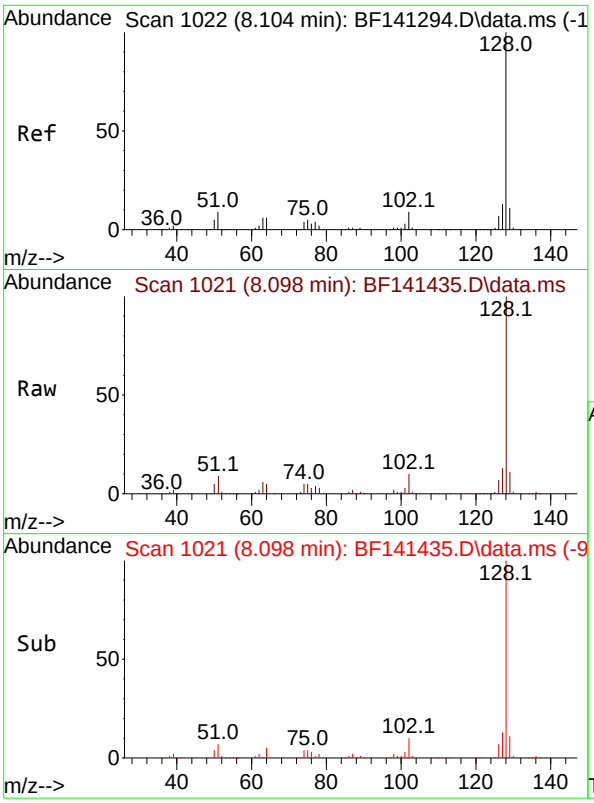


#30
1,2,4-Trichlorobenzene
Concen: 41.020 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:180 Resp: 204292

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	31.5	24.9	37.3





#31
Naphthalene
Concen: 40.064 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:128 Resp: 63889

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.3	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
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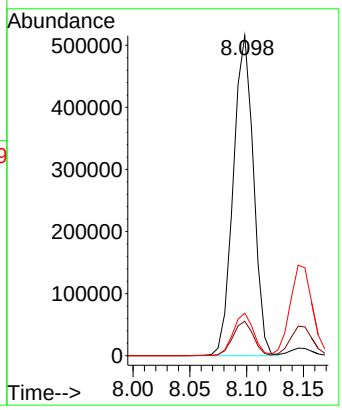
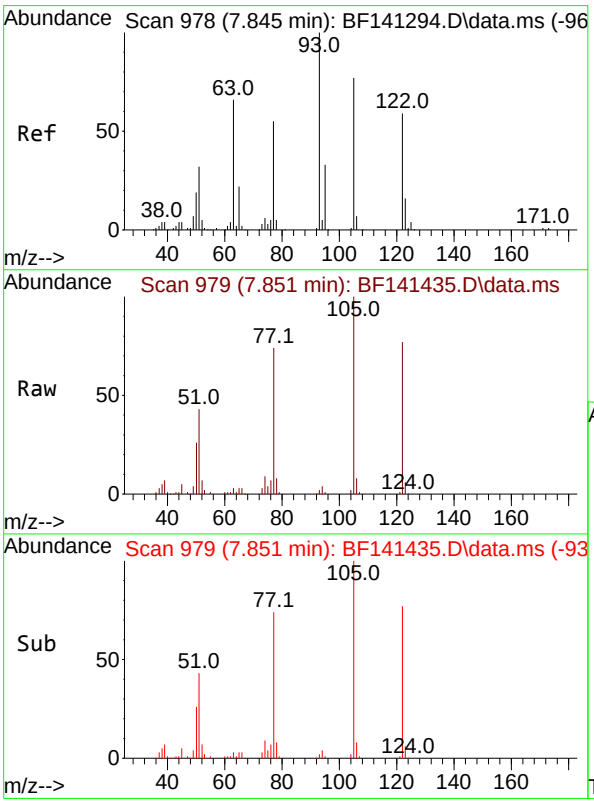
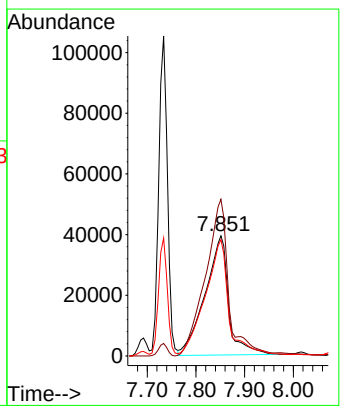


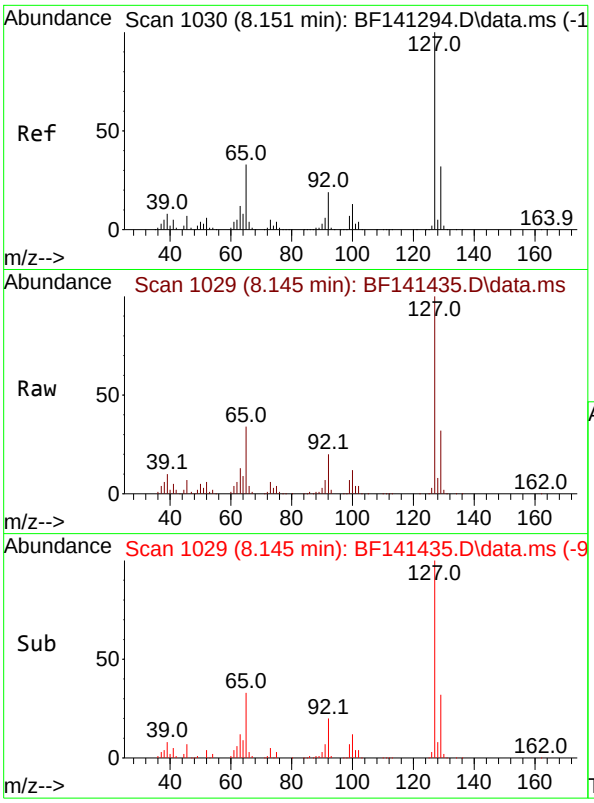


#32
Benzoic acid
Concen: 40.161 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:122 Resp: 131516

Ion	Ratio	Lower	Upper
122	100		
105	130.3	103.4	143.4
77	96.7	70.9	110.9

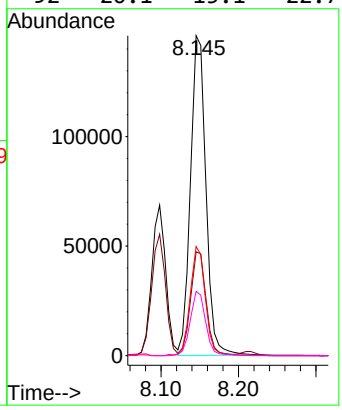




#33
4-Chloroaniline
Concen: 37.413 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:127 Resp: 20231

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	34.1	26.4	39.6
92	20.1	15.1	22.7



Instrument :
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ClientSampleId :
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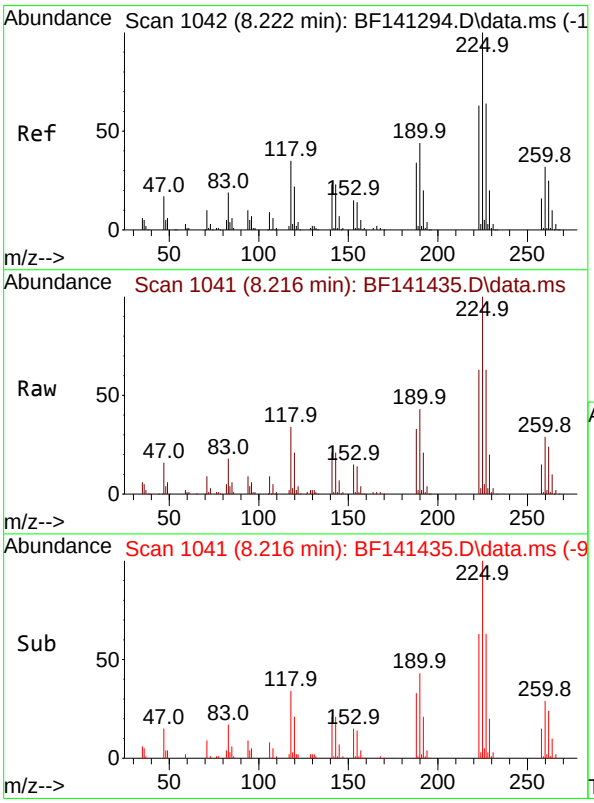
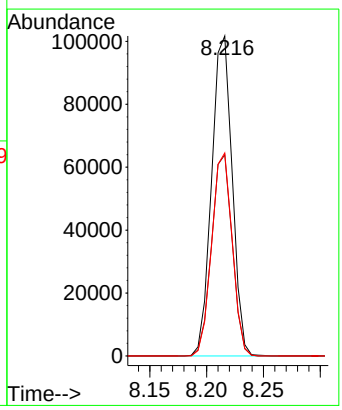
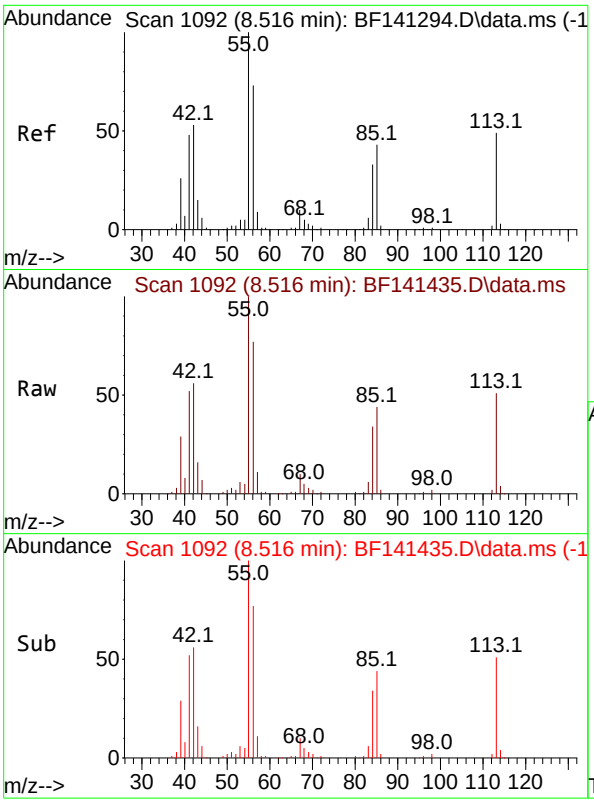


#34
Hexachlorobutadiene
Concen: 43.834 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:225 Resp: 128024

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6
227	63.4	51.3	76.9





#35
Caprolactam
Concen: 39.058 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:113 Resp: 5562

Ion	Ratio	Lower	Upper
113	100		
55	196.8	182.9	222.9
56	151.2	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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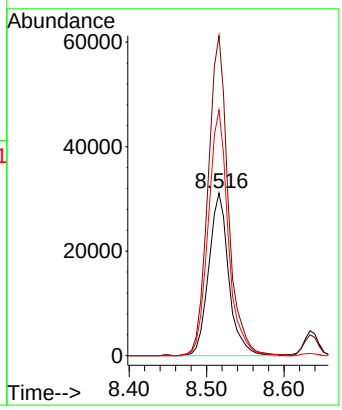
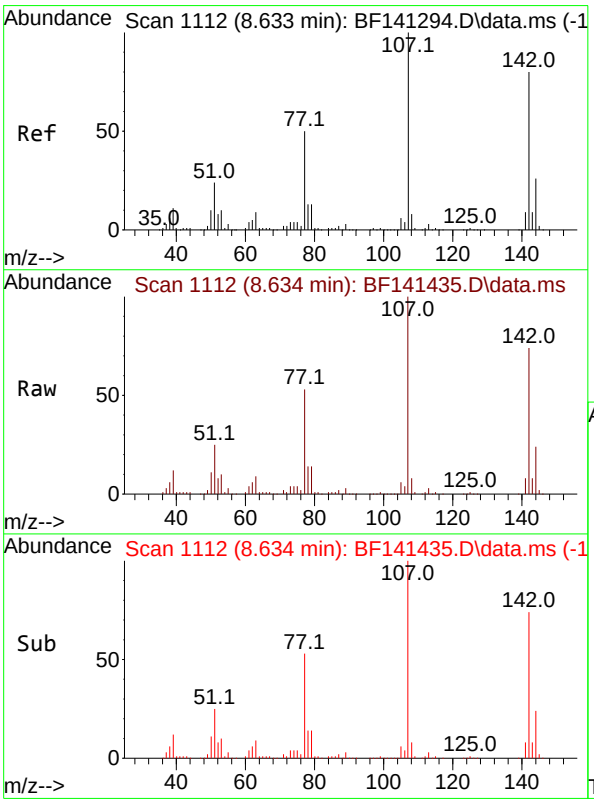
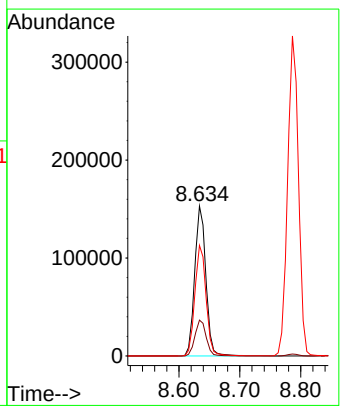


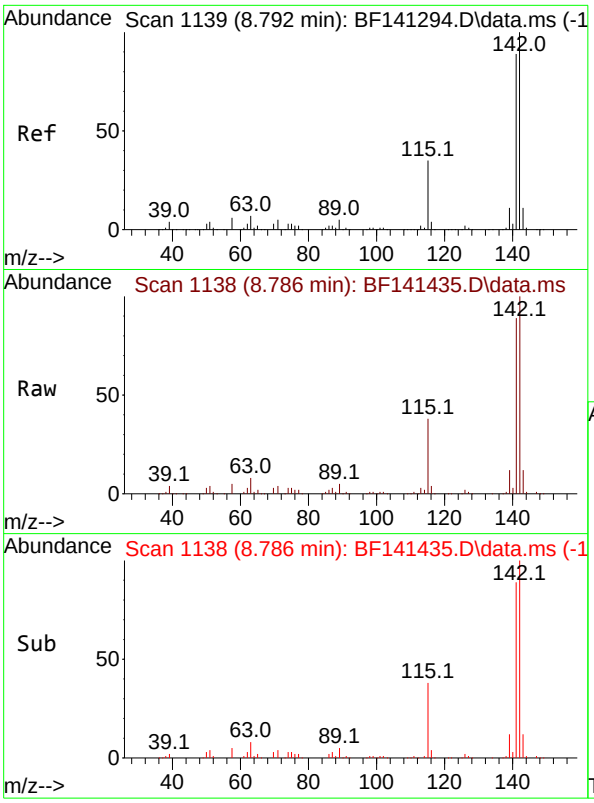


#36
4-Chloro-3-methylphenol
Concen: 41.751 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 195300

Ion	Ratio	Lower	Upper
107	100		
144	23.9	20.7	31.1
142	73.7	63.8	95.8





#37
2-Methylnaphthalene
Concen: 39.913 ng
RT: 8.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:142 Resp: 40454

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
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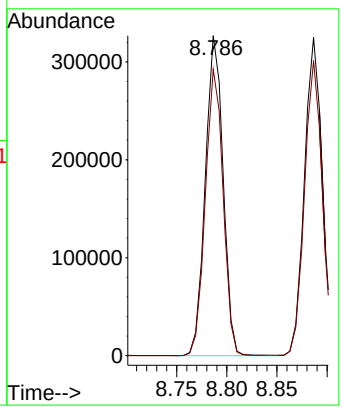
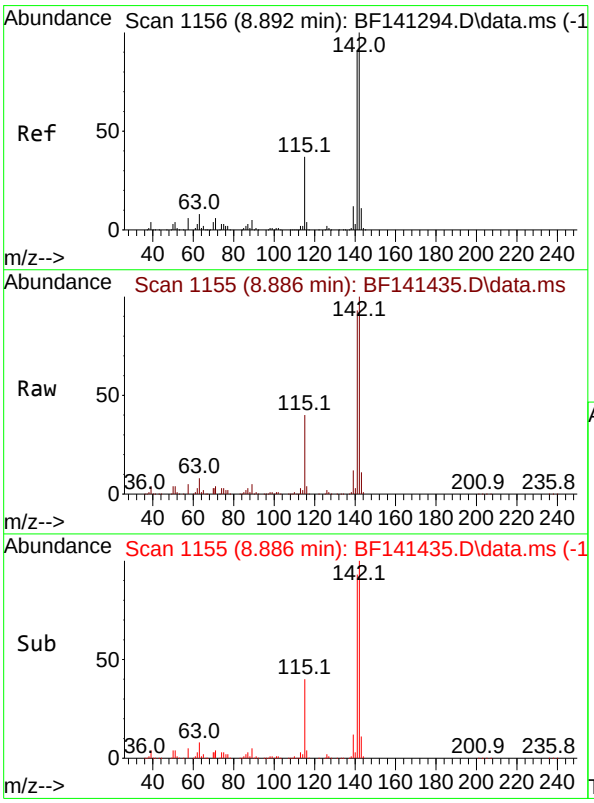
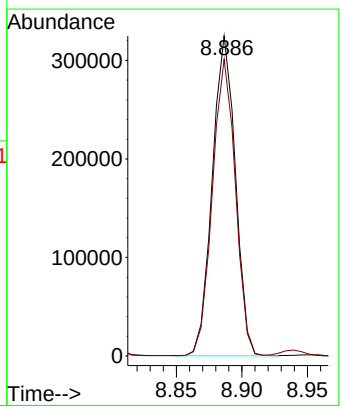


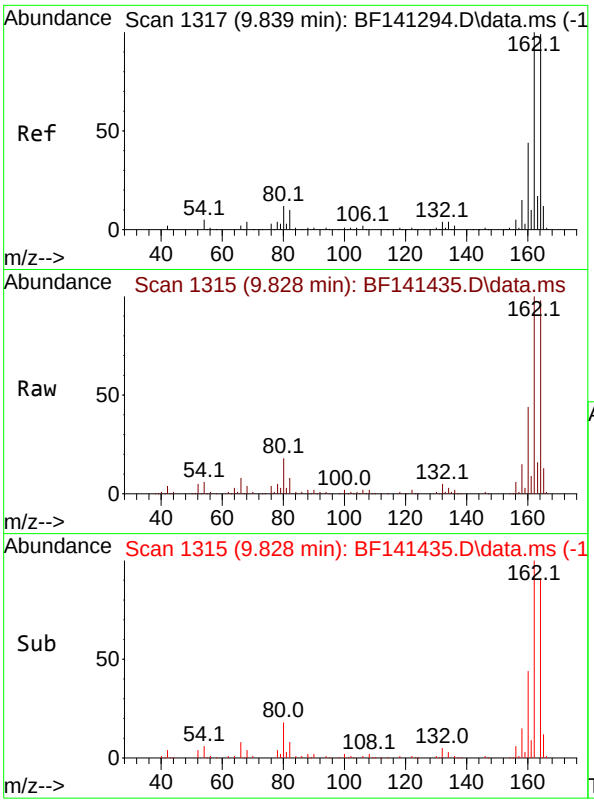


#38
1-Methylnaphthalene
Concen: 39.835 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:142 Resp: 396613

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.2	109.8

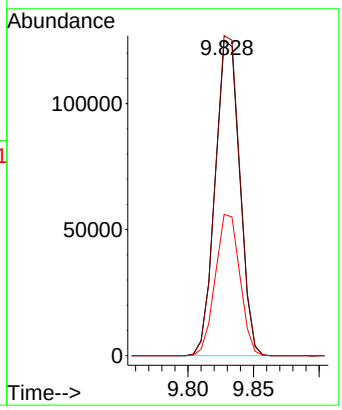




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:164 Resp: 16275

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	121.0
160	44.9	35.8	53.6



Instrument :
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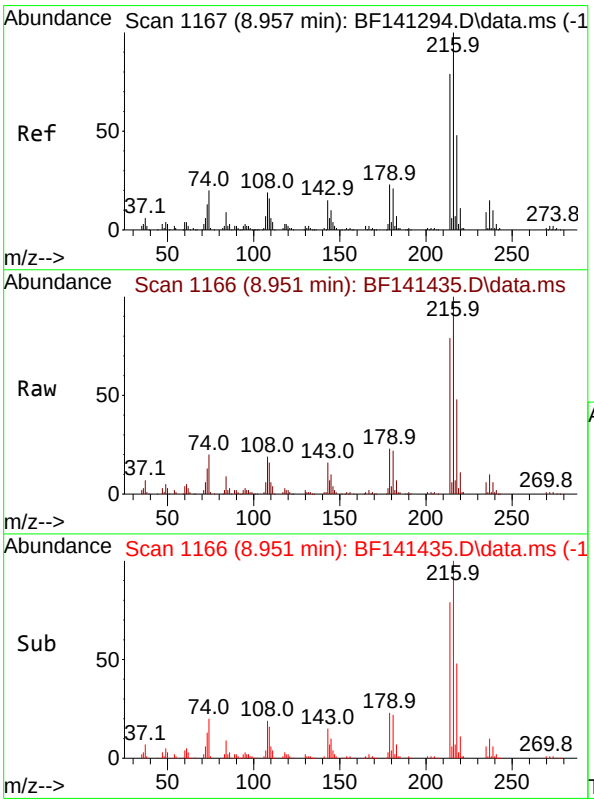
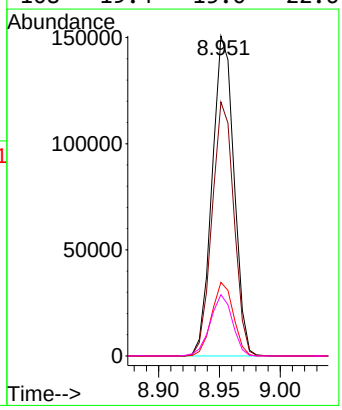
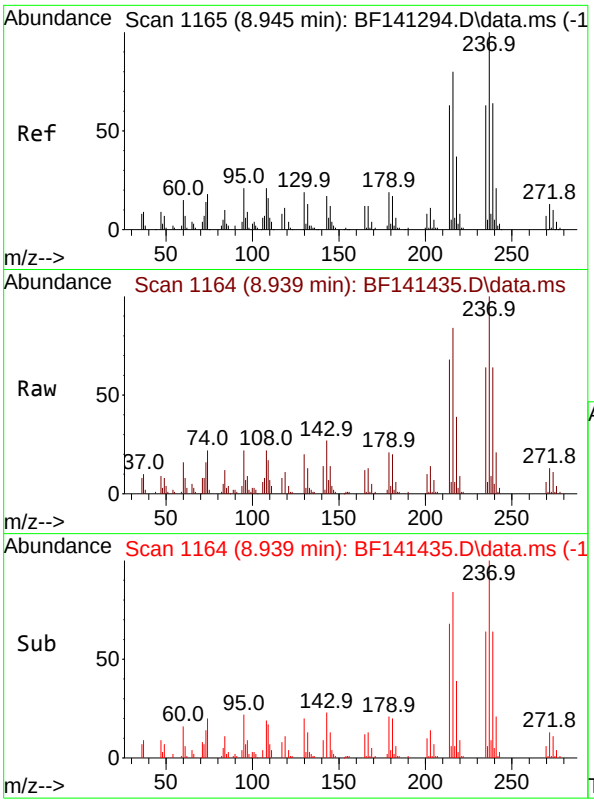


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.737 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:216 Resp: 188623

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	22.8	17.8	26.8
108	19.4	15.0	22.6

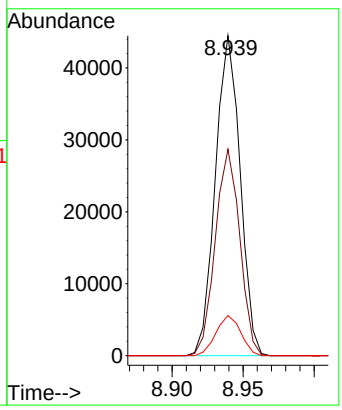




#41
Hexachlorocyclopentadiene
Concen: 39.437 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:237 Resp: 5392

Ion	Ratio	Lower	Upper
237	100		
235	64.5	42.9	82.9
272	12.5	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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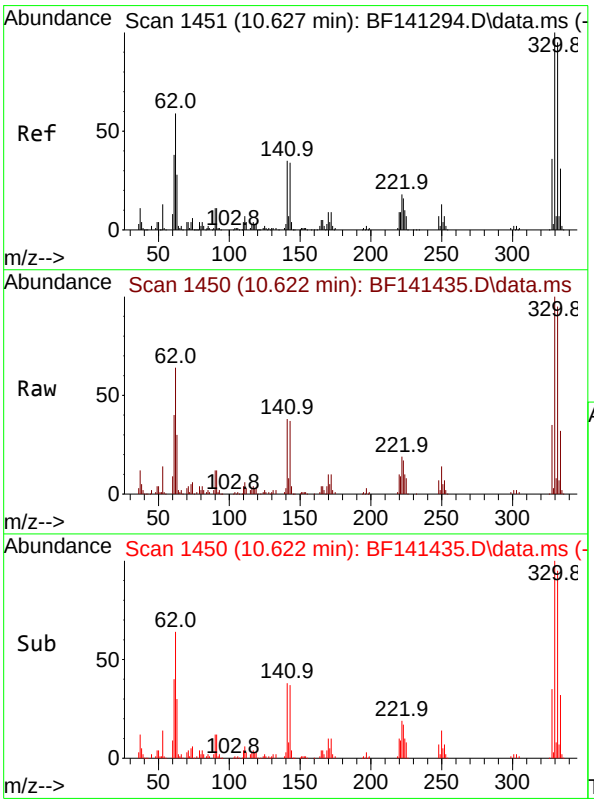
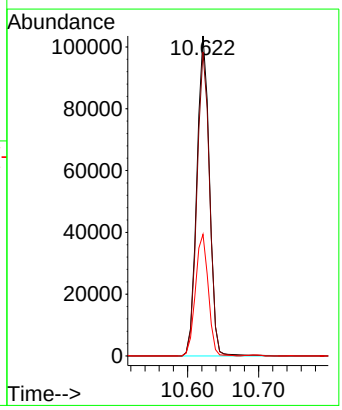
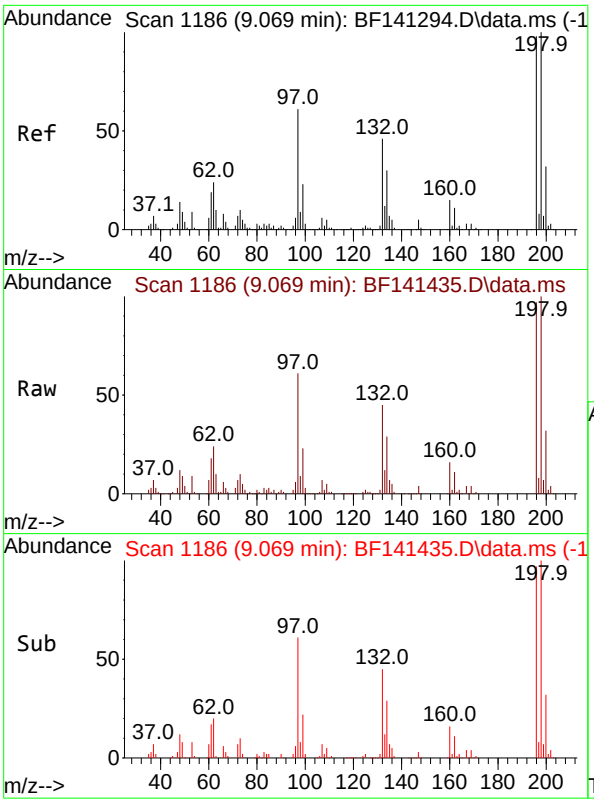


#42
2,4,6-Tribromophenol
Concen: 85.780 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:330 Resp: 127994

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.1	114.1
141	38.5	28.8	43.2

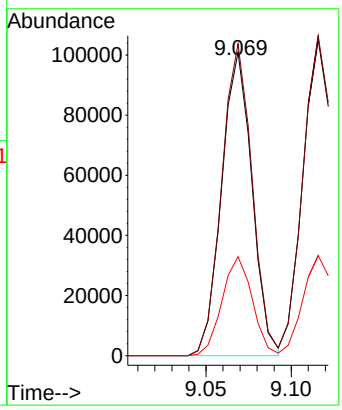




#43
2,4,6-Trichlorophenol
Concen: 41.315 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:196 Resp: 12521

Ion	Ratio	Lower	Upper
196	100		
198	102.7	81.8	122.6
200	32.6	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
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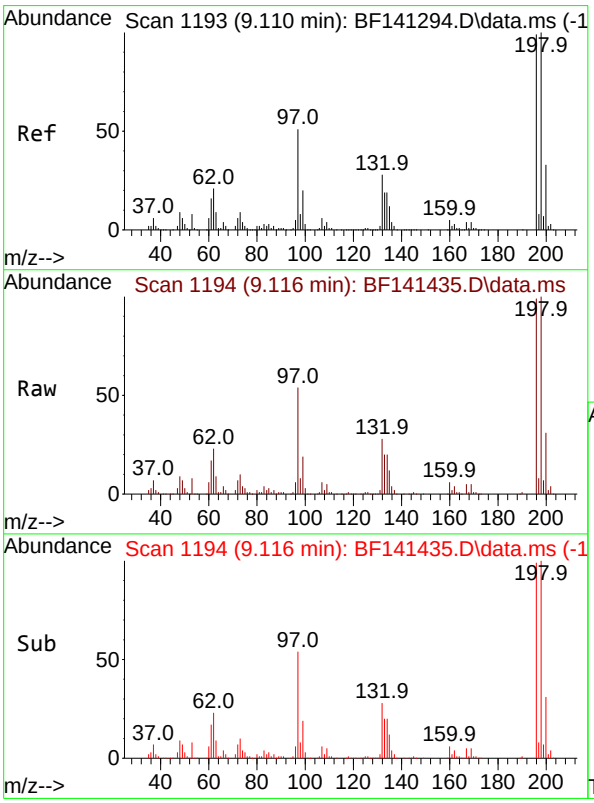
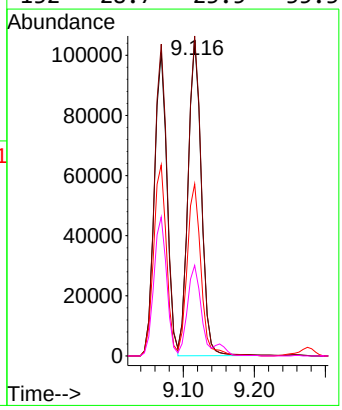
Supervised By :mohammad ahmed 02/06/2025

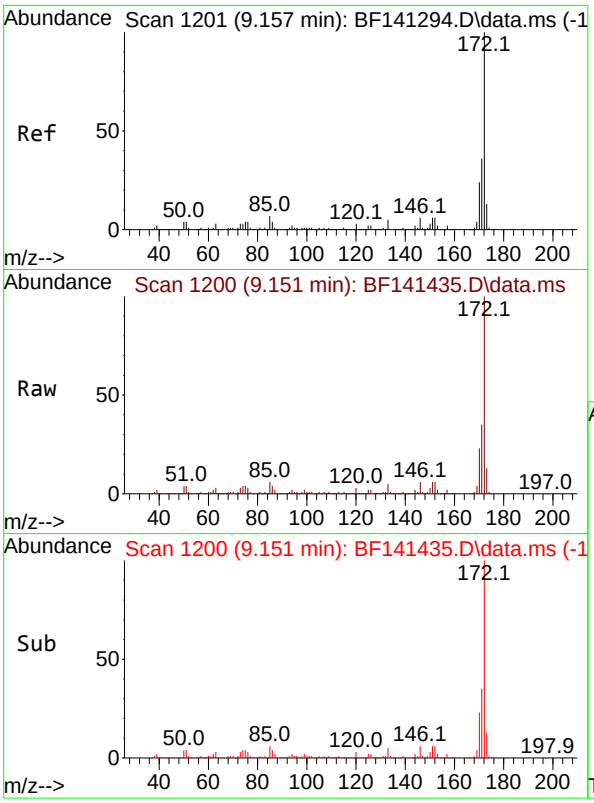


#44
2,4,5-Trichlorophenol
Concen: 41.284 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:196 Resp: 136179

Ion	Ratio	Lower	Upper
196	100		
198	101.2	80.5	120.7
97	54.4	42.8	64.2
132	28.7	23.5	35.3

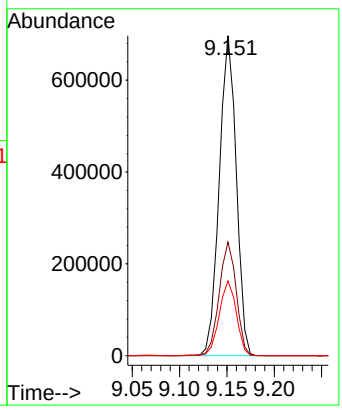




#45
2-Fluorobiphenyl
Concen: 82.364 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:172 Resp: 87093

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.4	19.0	28.6



Instrument :
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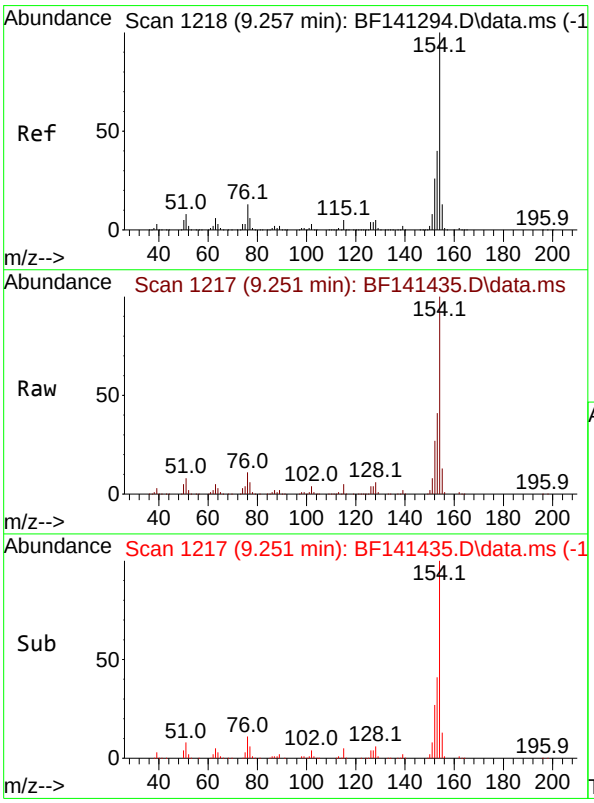
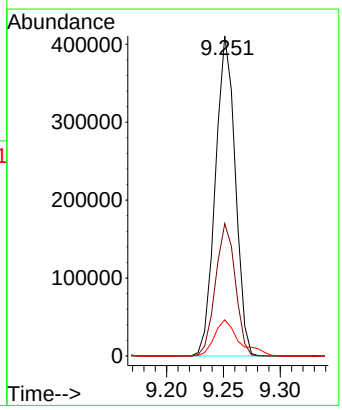
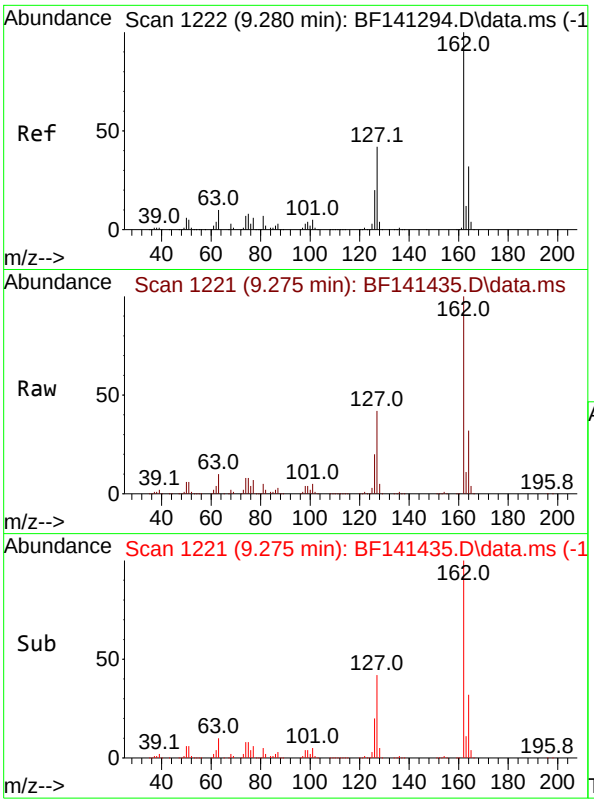


#46
1,1'-Biphenyl
Concen: 39.392 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:154 Resp: 500011

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.0	60.0
76	11.3	0.0	32.8

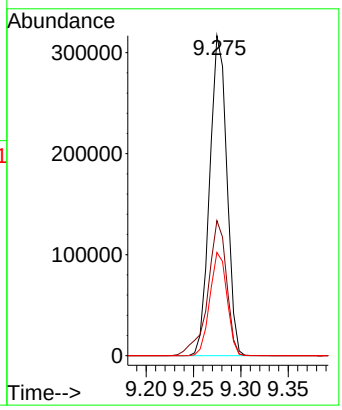




#47
2-Chloronaphthalene
Concen: 40.191 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:162 Resp: 39763

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.7	50.5
164	32.3	25.9	38.9



Instrument :
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ClientSampleId :
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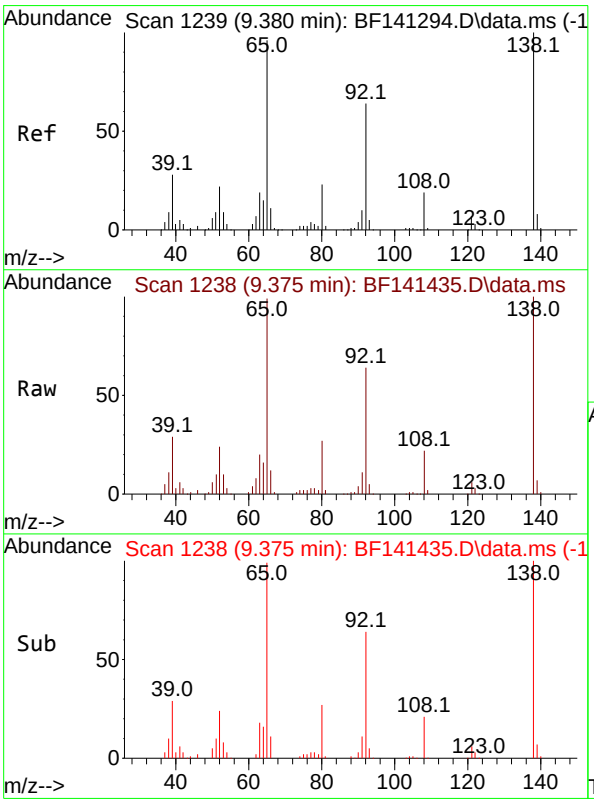
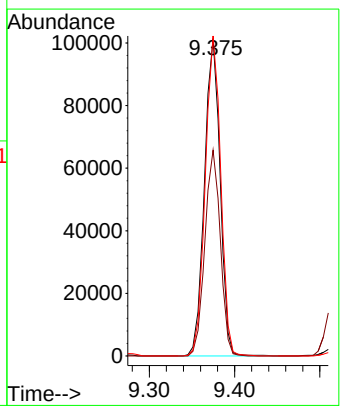
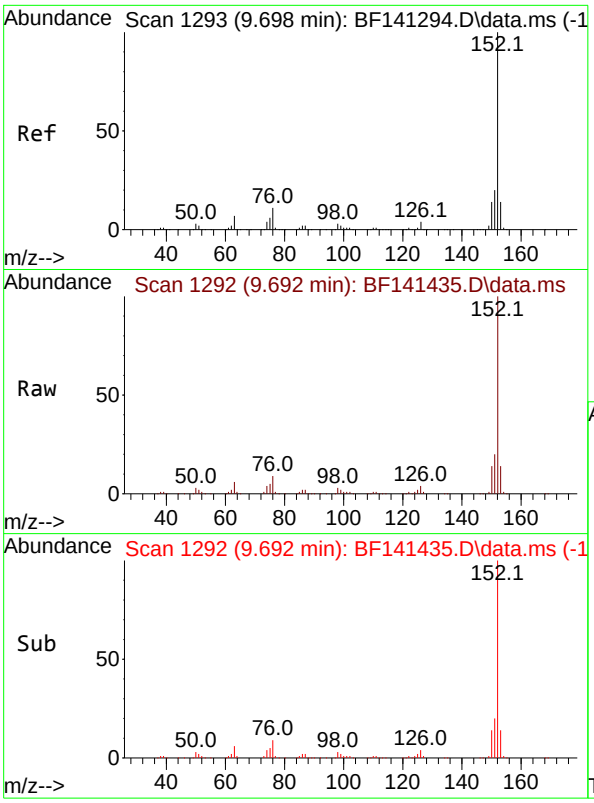


#48
2-Nitroaniline
Concen: 41.385 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 65 Resp: 128787

Ion	Ratio	Lower	Upper
65	100		
92	64.8	53.3	79.9
138	100.8	83.6	125.4

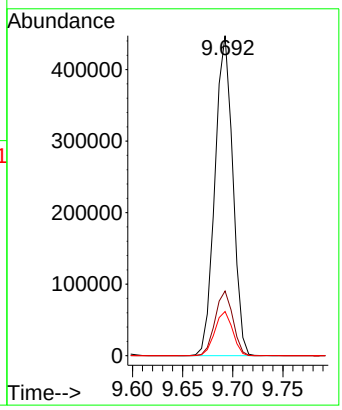




#49
Acenaphthylene
Concen: 39.872 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:152 Resp: 55220

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.8	11.0	16.6



Instrument :
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ClientSampleId :
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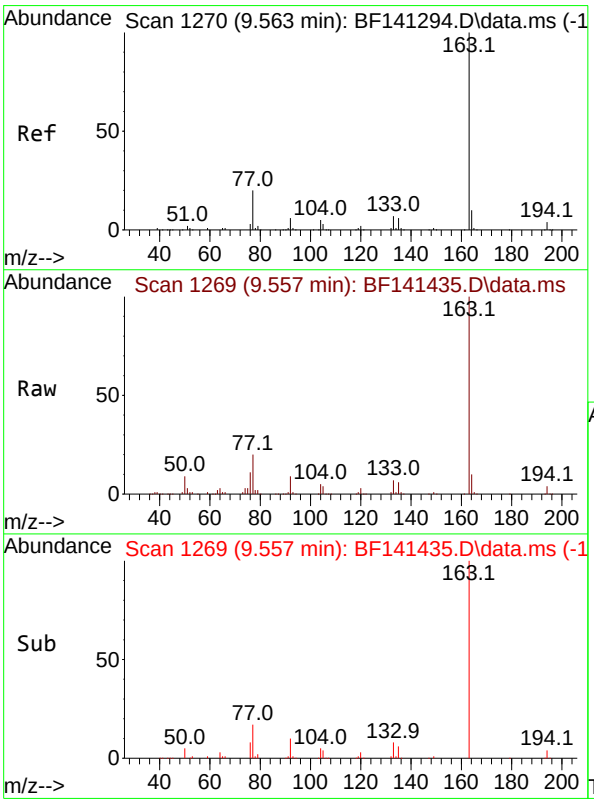
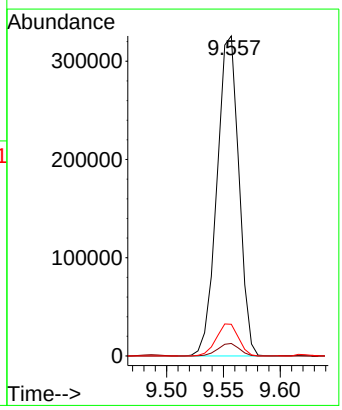
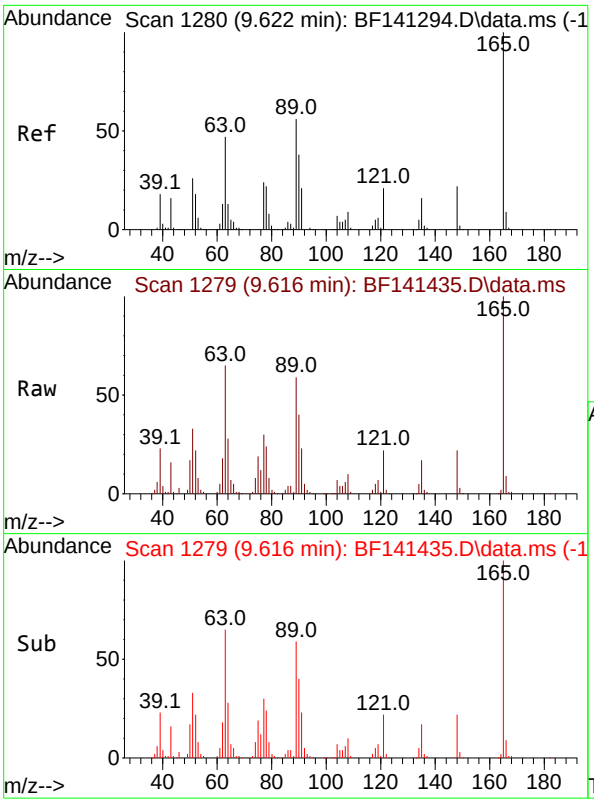


#50
Dimethylphthalate
Concen: 39.828 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:163 Resp: 437816

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.9	8.0	12.0

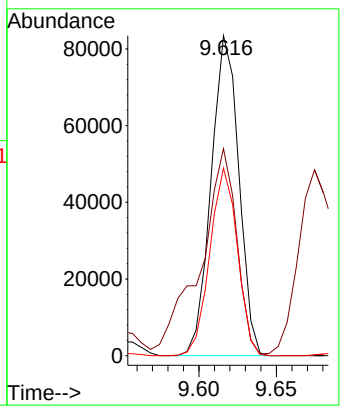




#51
2,6-Dinitrotoluene
Concen: 40.695 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:165 Resp: 10386

Ion	Ratio	Lower	Upper
165	100		
63	64.7	48.1	72.1
89	58.6	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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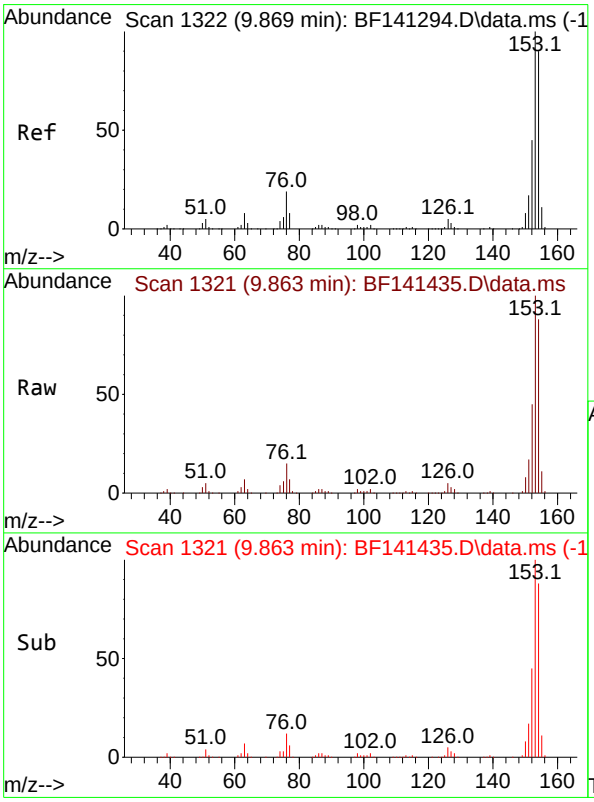
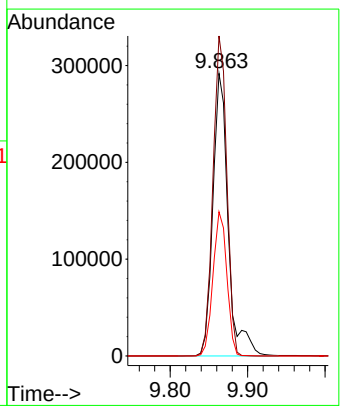
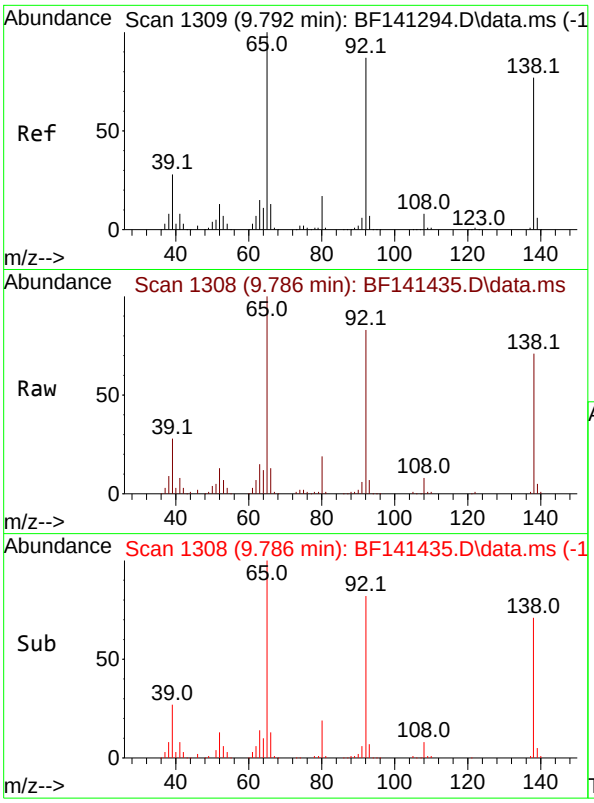


#52
Acenaphthene
Concen: 40.520 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:154 Resp: 400902

Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.0	133.4
152	51.0	40.2	60.4





#53
3-Nitroaniline
Concen: 40.165 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:138 Resp: 10047

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.6	12.8
92	117.4	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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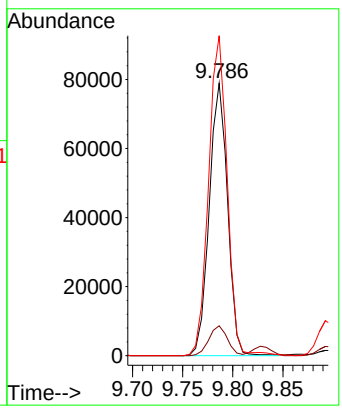
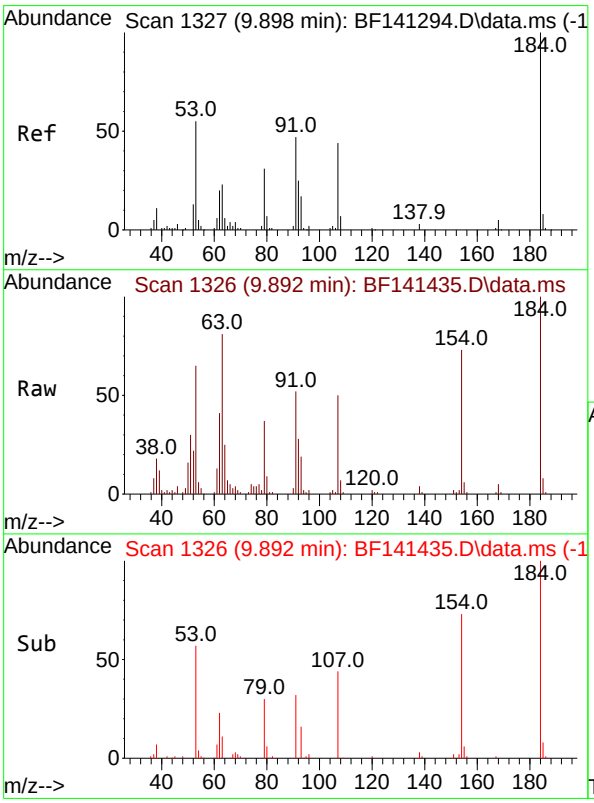
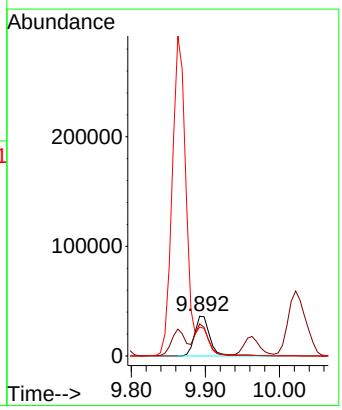


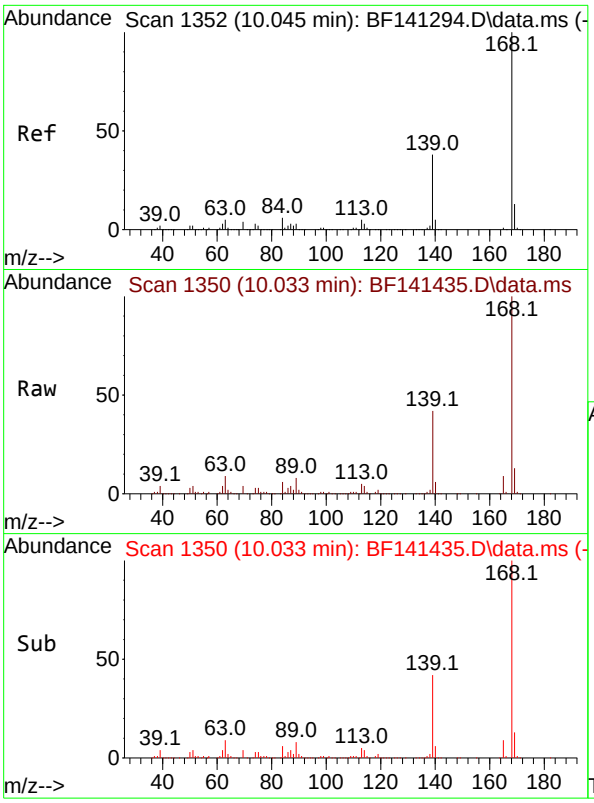


#54
2,4-Dinitrophenol
Concen: 43.990 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:184 Resp: 52193

Ion	Ratio	Lower	Upper
184	100		
63	81.2	54.1	81.1#
154	73.0	50.7	76.1

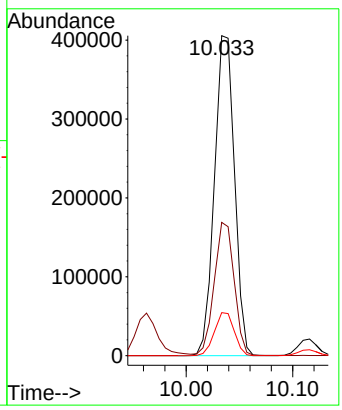




#55
Dibenzofuran
Concen: 39.973 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:168 Resp: 52938

Ion	Ratio	Lower	Upper
168	100		
139	41.6	30.6	46.0
169	13.4	10.8	16.2



Instrument :
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ClientSampleId :
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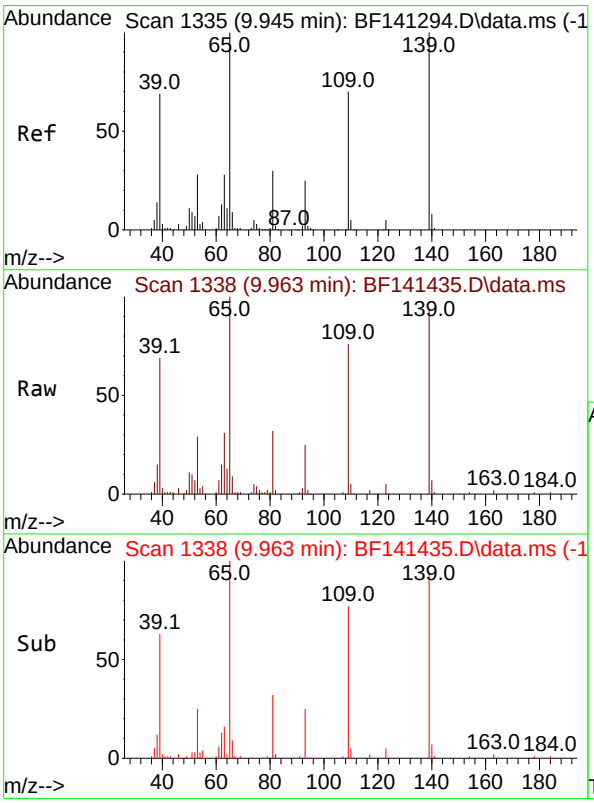
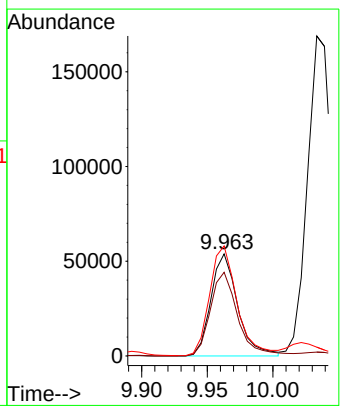
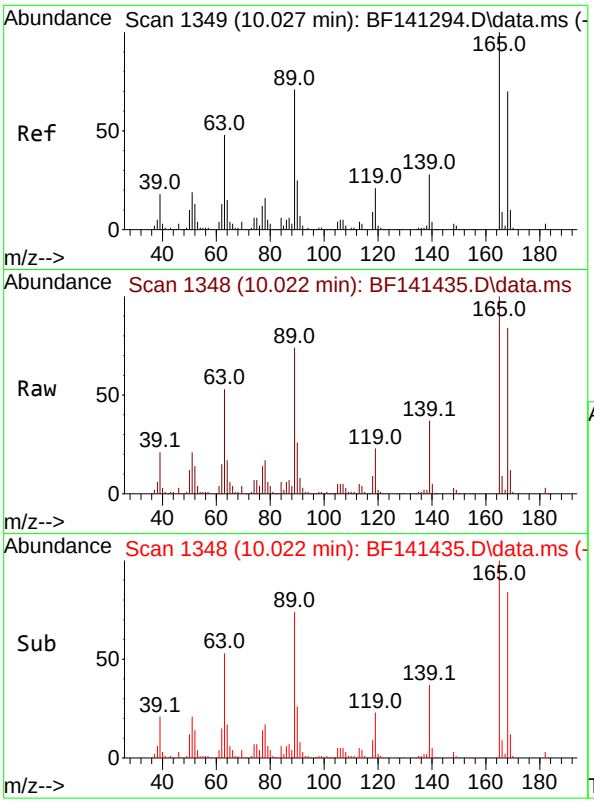


#56
4-Nitrophenol
Concen: 41.844 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:139 Resp: 76553

Ion	Ratio	Lower	Upper
139	100		
109	82.0	50.2	90.2
65	107.8	80.6	120.6

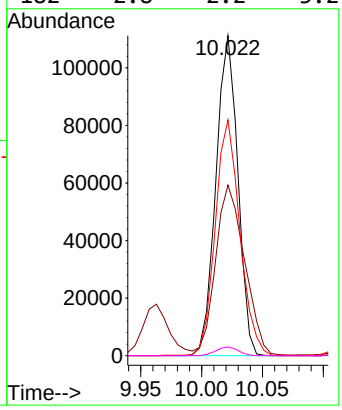




#57
2,4-Dinitrotoluene
Concen: 42.144 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:165 Resp: 13926

Ion	Ratio	Lower	Upper
165	100		
63	53.3	39.2	58.8
89	73.7	56.9	85.3
182	2.8	2.2	3.2



Instrument :
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ClientSampleId :
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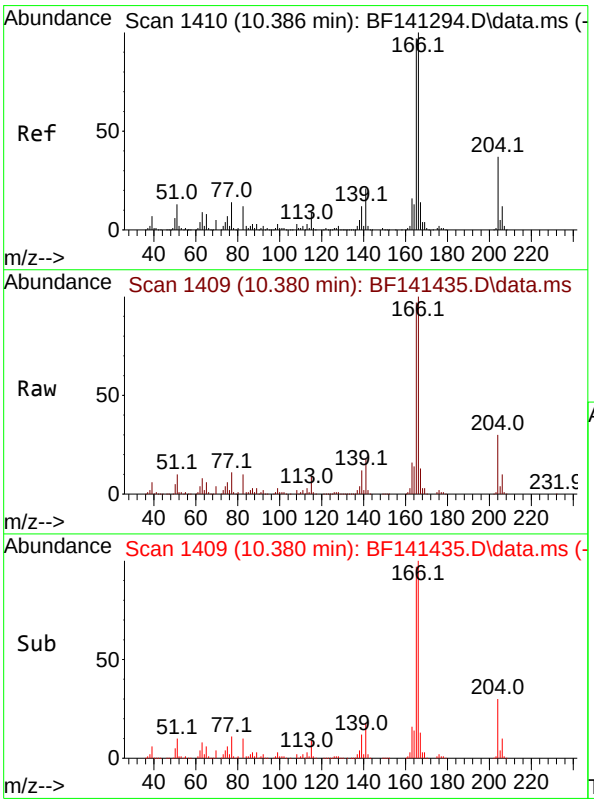
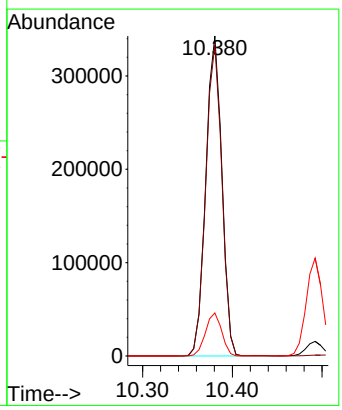
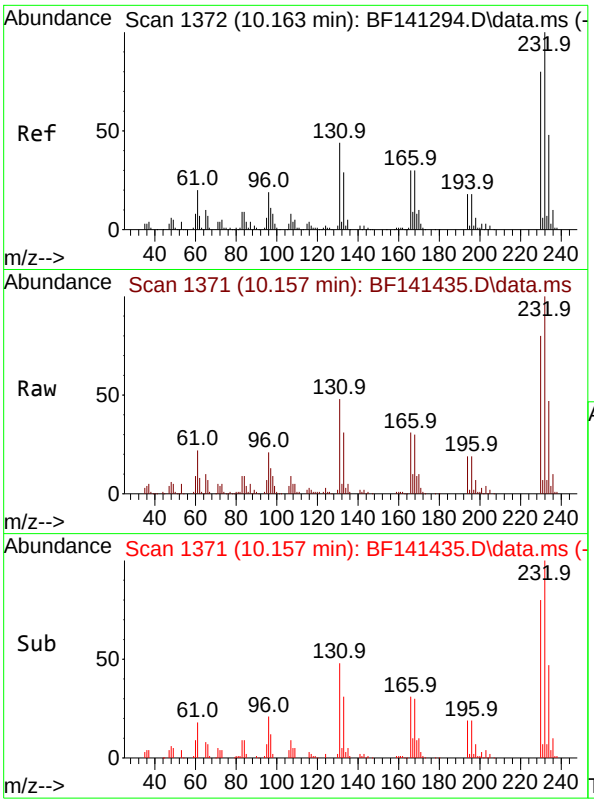


#58
Fluorene
Concen: 41.573 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:166 Resp: 427075

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.5	116.3
167	13.5	10.9	16.3

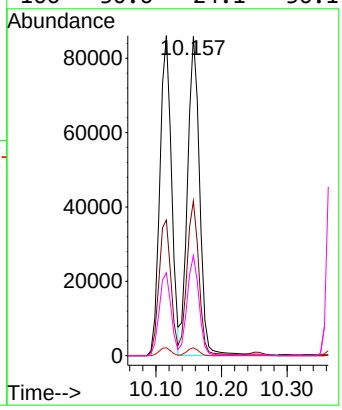




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.052 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:232 Resp: 10912

Ion	Ratio	Lower	Upper
232	100		
131	48.6	36.4	54.6
130	2.4	1.9	2.9
166	30.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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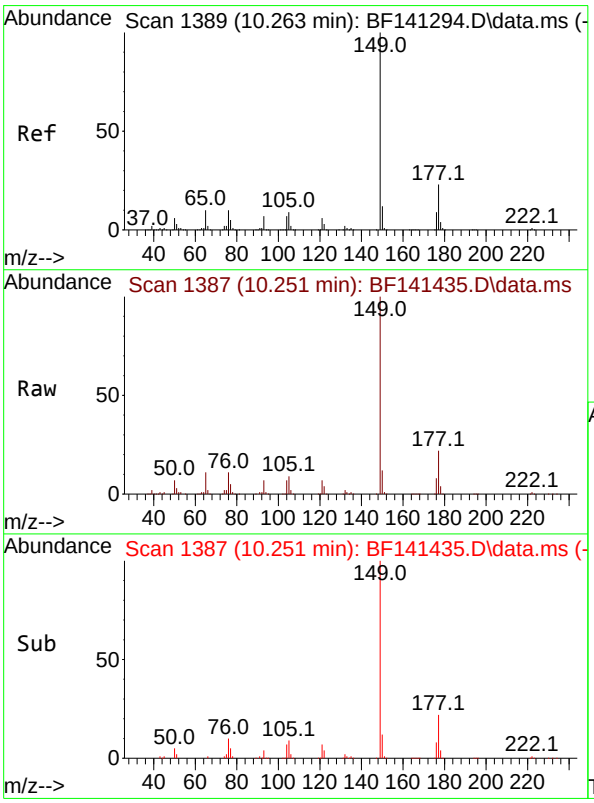
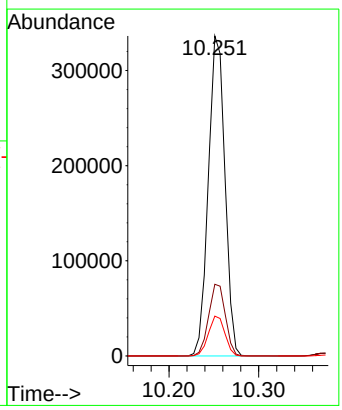
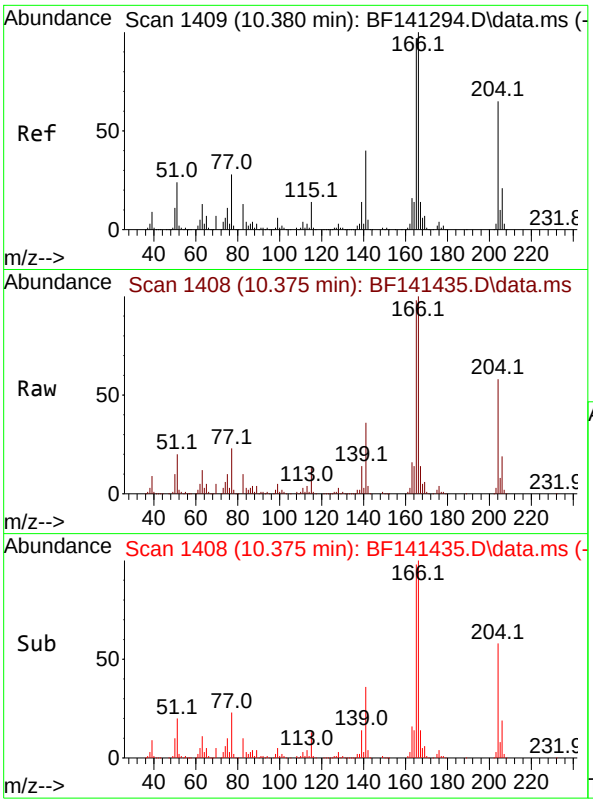


#60
Diethylphthalate
Concen: 40.510 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 431776

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.5	27.7
150	12.5	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.761 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:204 Resp: 20955

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	63.0	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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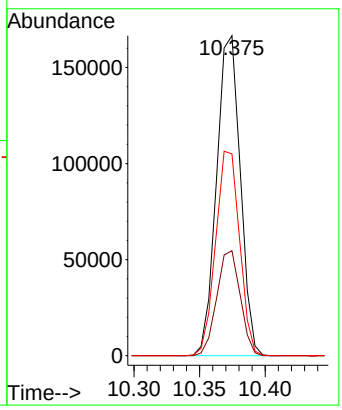
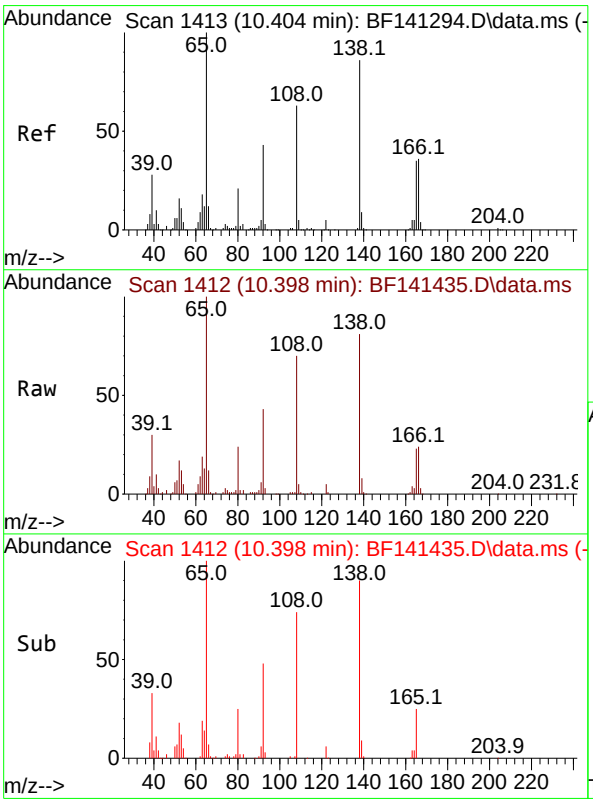
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

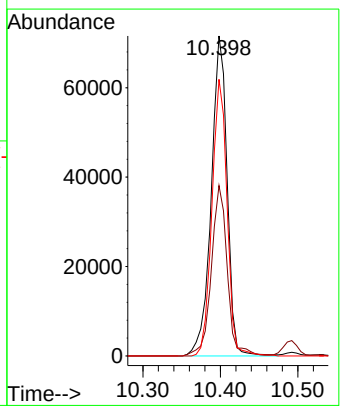


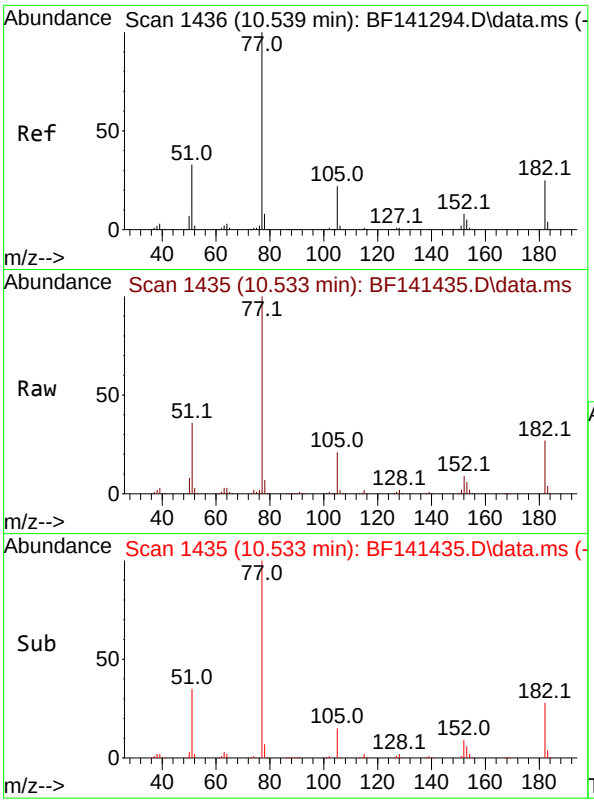


#62
4-Nitroaniline
Concen: 41.554 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:138 Resp: 102198

Ion	Ratio	Lower	Upper
138	100		
92	53.3	30.1	70.1
108	86.4	53.1	93.1

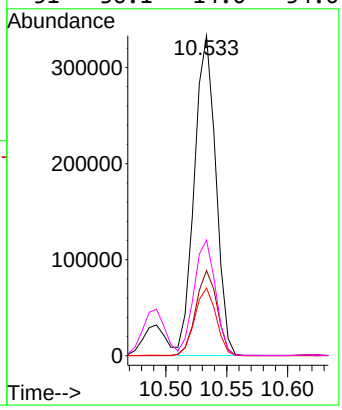




#63
Azobenzene
Concen: 38.055 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 77 Resp: 406009

Ion	Ratio	Lower	Upper
77	100		
182	26.6	5.1	45.1
105	21.2	1.8	41.8
51	36.1	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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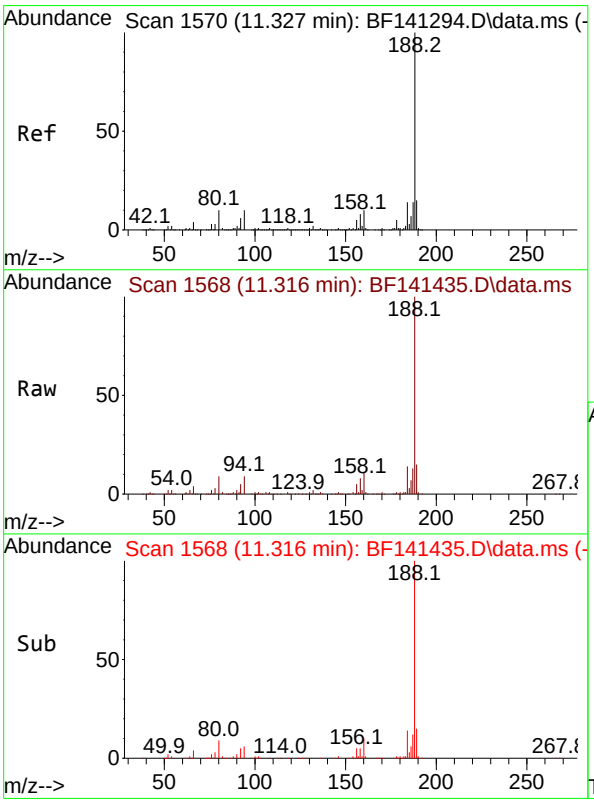
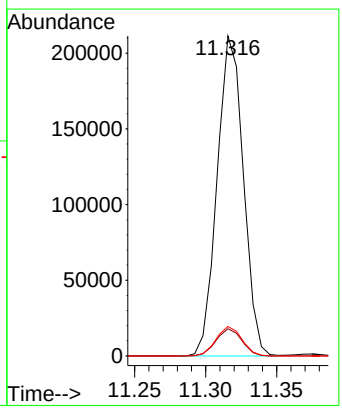
Supervised By :mohammad ahmed 02/06/2025

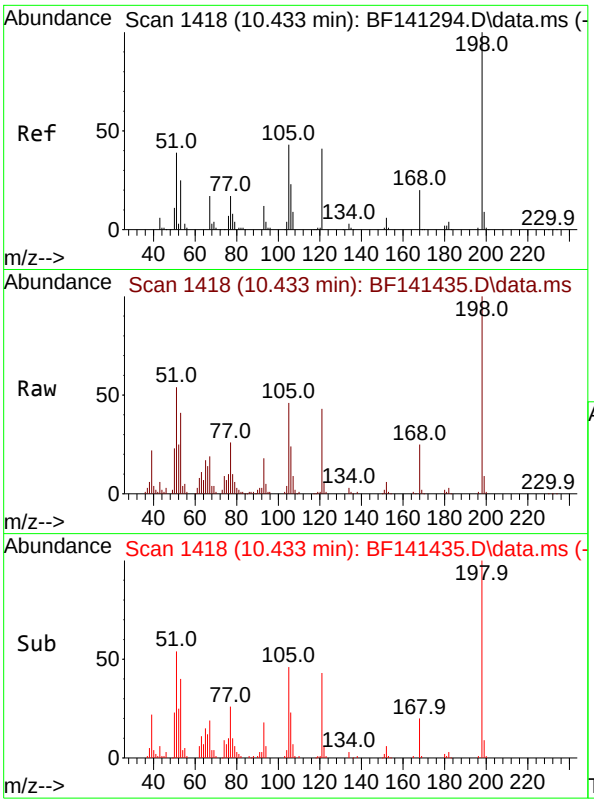


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:188 Resp: 271503

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.8	11.6
80	9.2	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 45.776 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:198 Resp: 7351

Ion	Ratio	Lower	Upper
198	100		
51	53.8	33.4	73.4
105	45.7	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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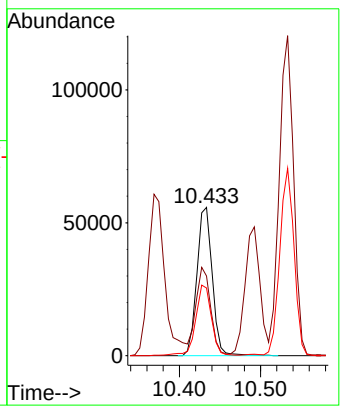
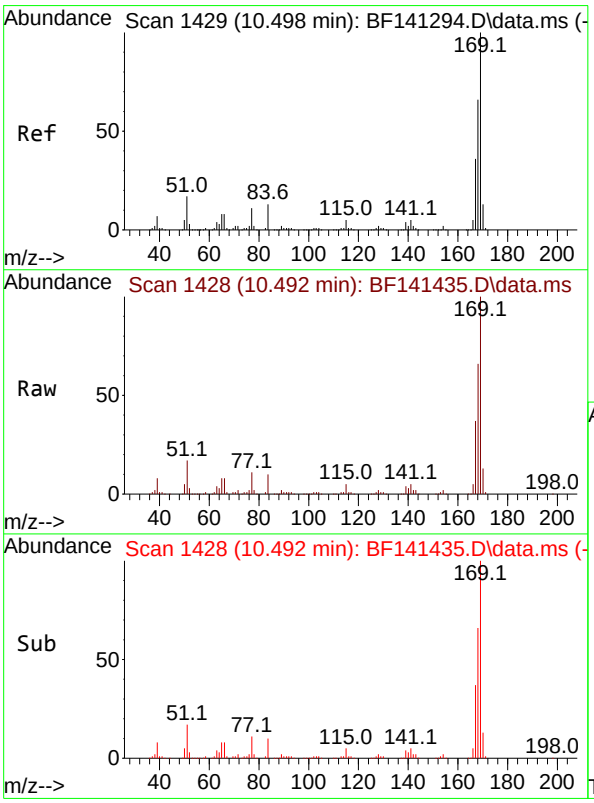
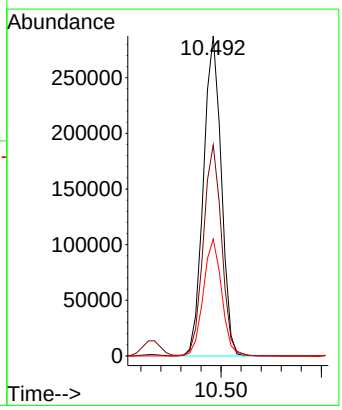


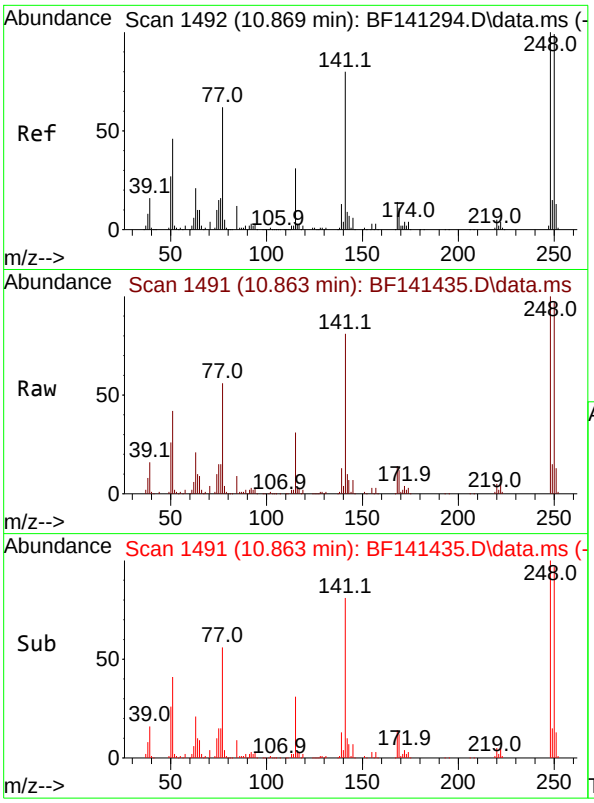


#66
n-Nitrosodiphenylamine
Concen: 40.601 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:169 Resp: 356533

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.0	79.4
167	36.5	28.8	43.2

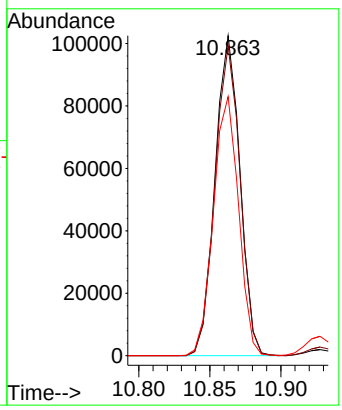




#67
4-Bromophenyl-phenylether
Concen: 41.249 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:248 Resp: 12537

Ion	Ratio	Lower	Upper
248	100		
250	96.9	79.0	118.4
141	81.0	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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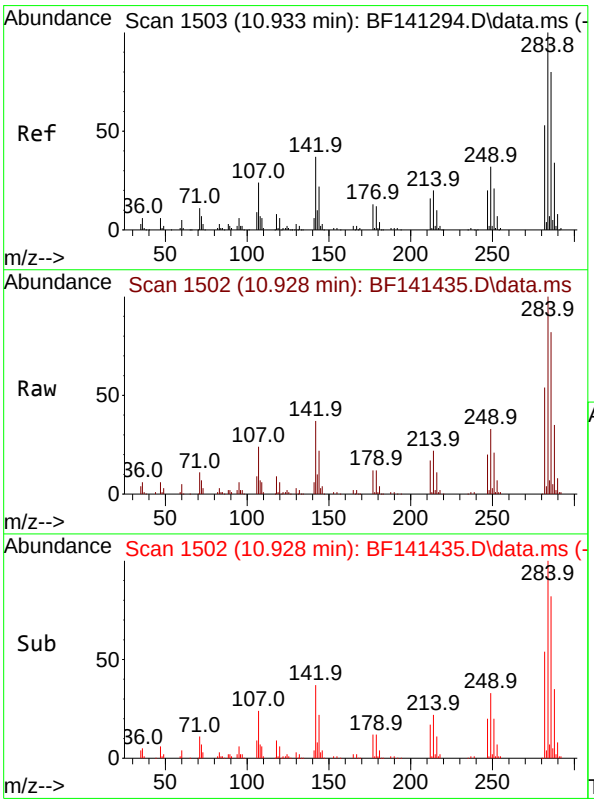
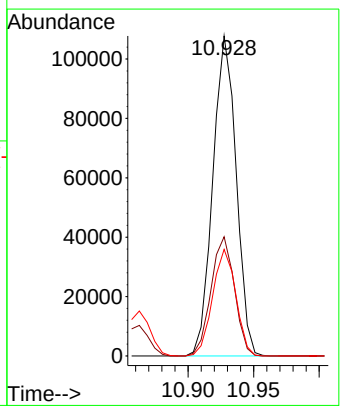
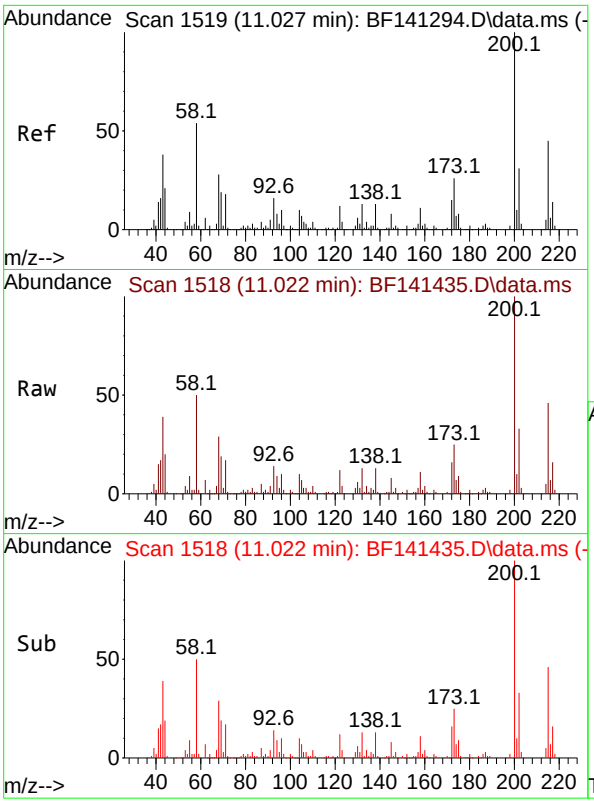


#68
Hexachlorobenzene
Concen: 41.354 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:284 Resp: 133335

Ion	Ratio	Lower	Upper
284	100		
142	37.2	29.5	44.3
249	33.3	25.4	38.2

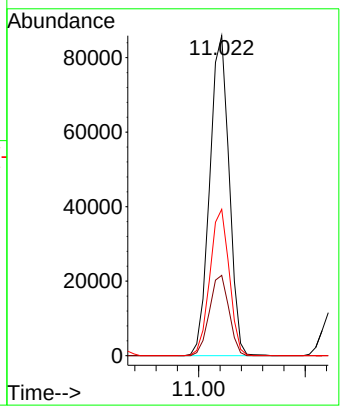




#69
Atrazine
Concen: 37.040 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:200 Resp: 10875

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.9	45.9
215	45.7	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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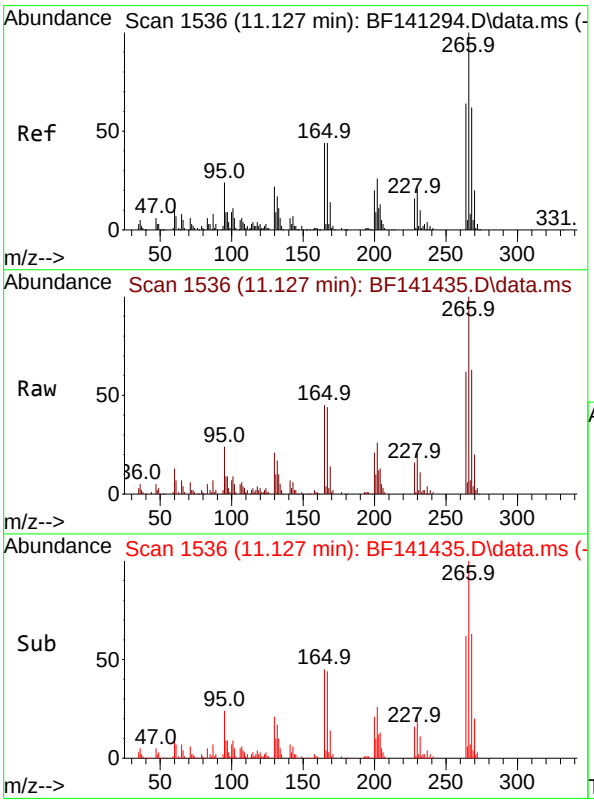
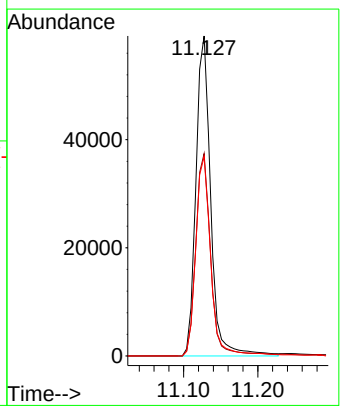
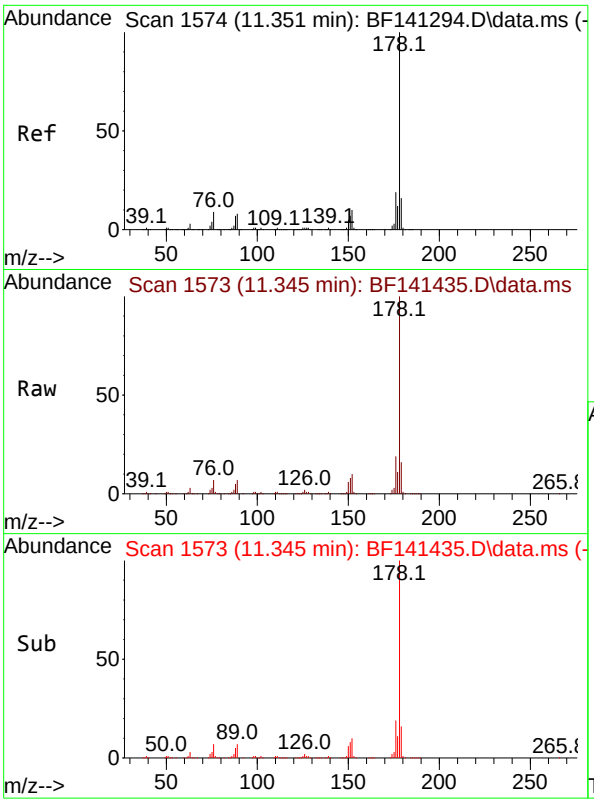


#70
Pentachlorophenol
Concen: 43.436 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:266 Resp: 82010

Ion	Ratio	Lower	Upper
266	100		
268	63.2	49.9	74.9
264	62.3	51.0	76.4

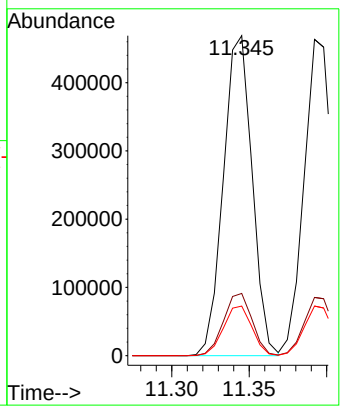




#71
Phenanthrene
Concen: 41.476 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:178 Resp: 60531

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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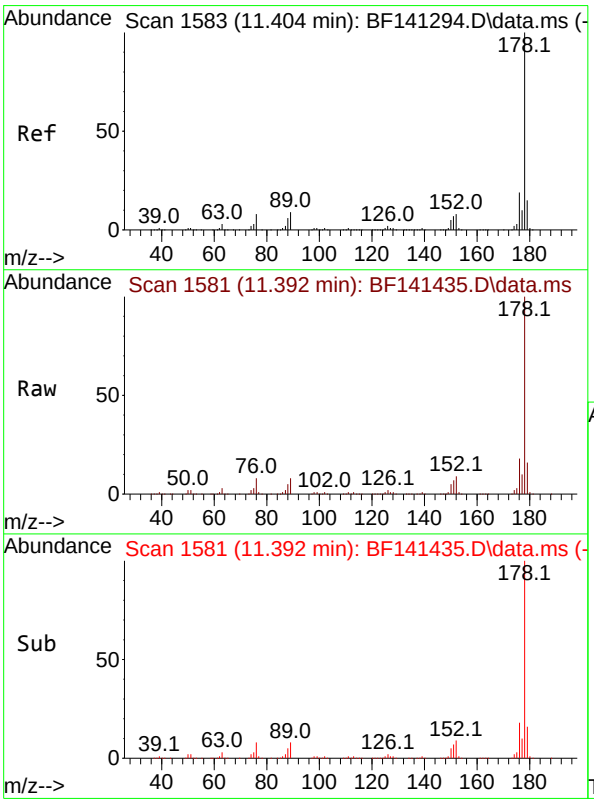
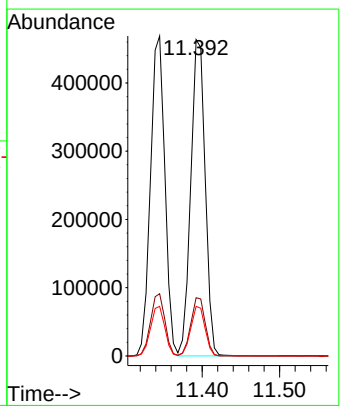
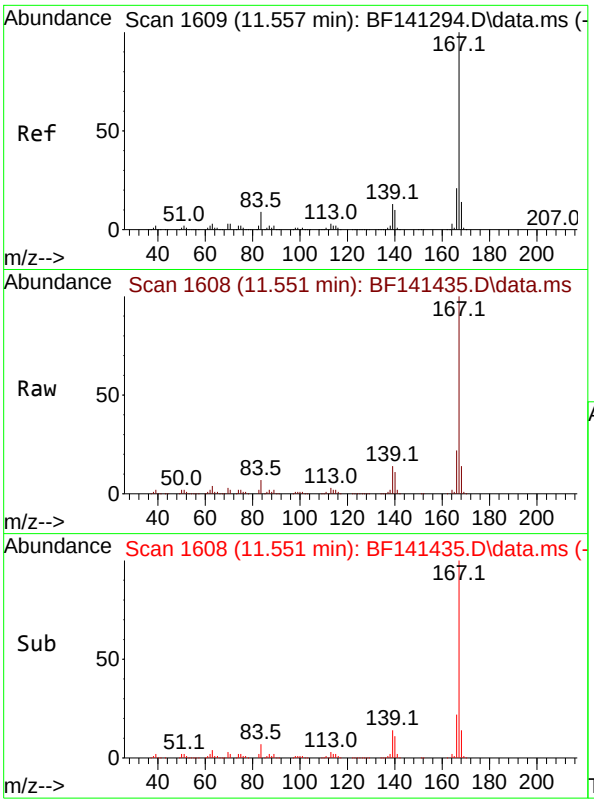


#72
Anthracene
Concen: 41.812 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:178 Resp: 597915

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.7	12.3	18.5

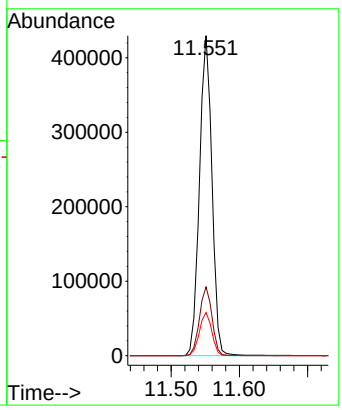




#73
Carbazole
Concen: 43.048 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:167 Resp: 54585

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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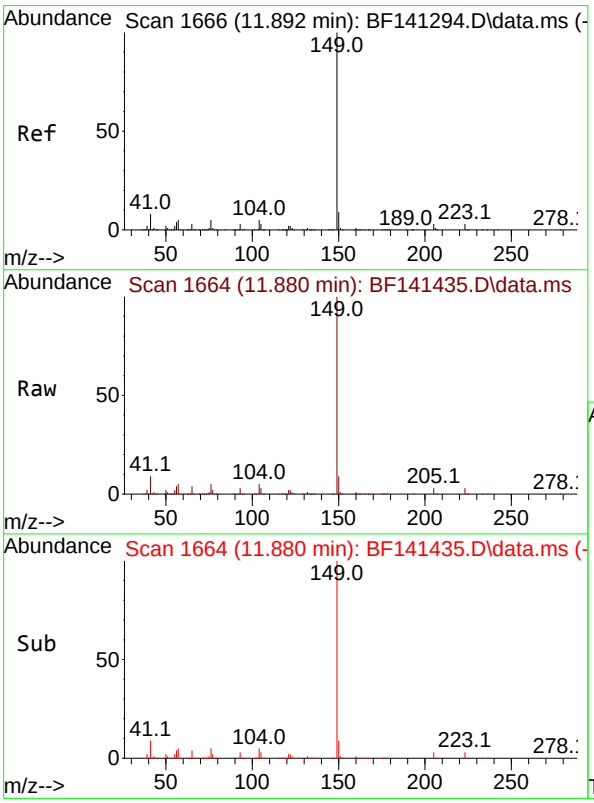
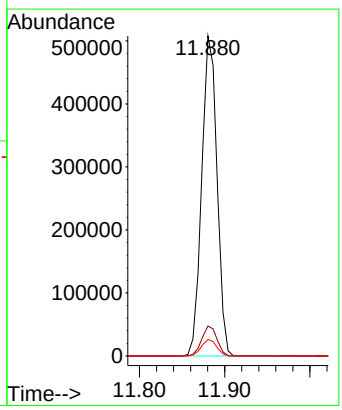
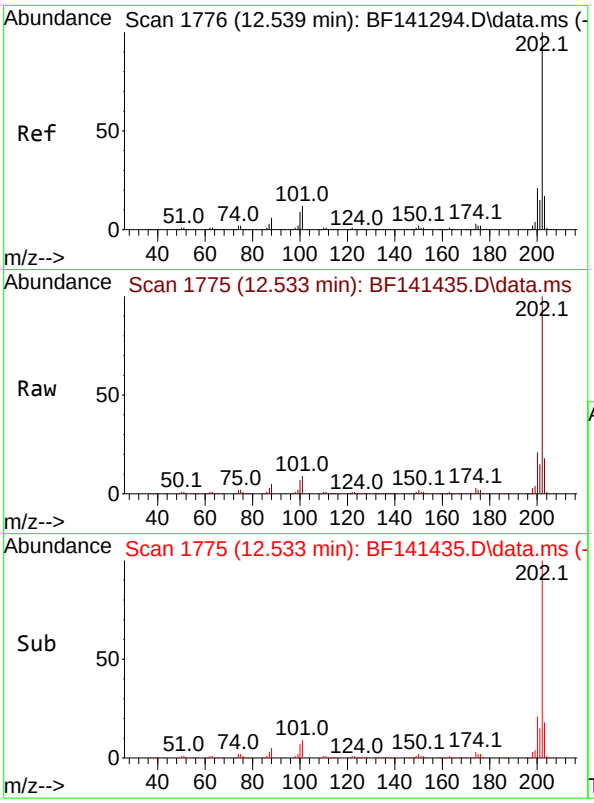


#74
Di-n-butylphthalate
Concen: 41.155 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 632426

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	3.9	5.9

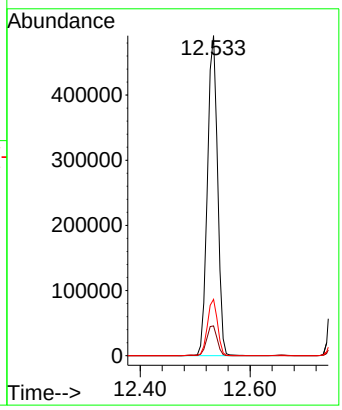




#75
Fluoranthene
Concen: 43.486 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:202 Resp: 62664

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.7
203	17.6	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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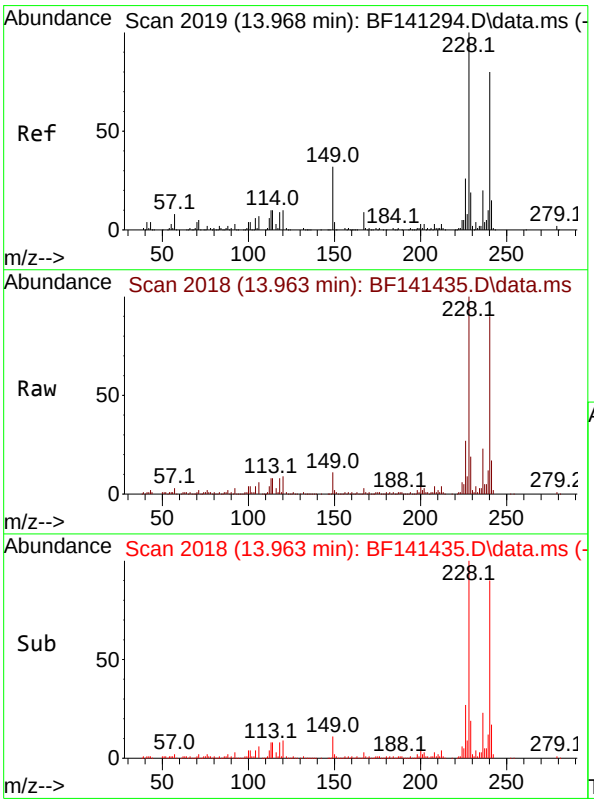
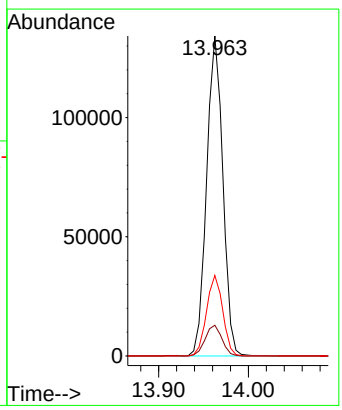
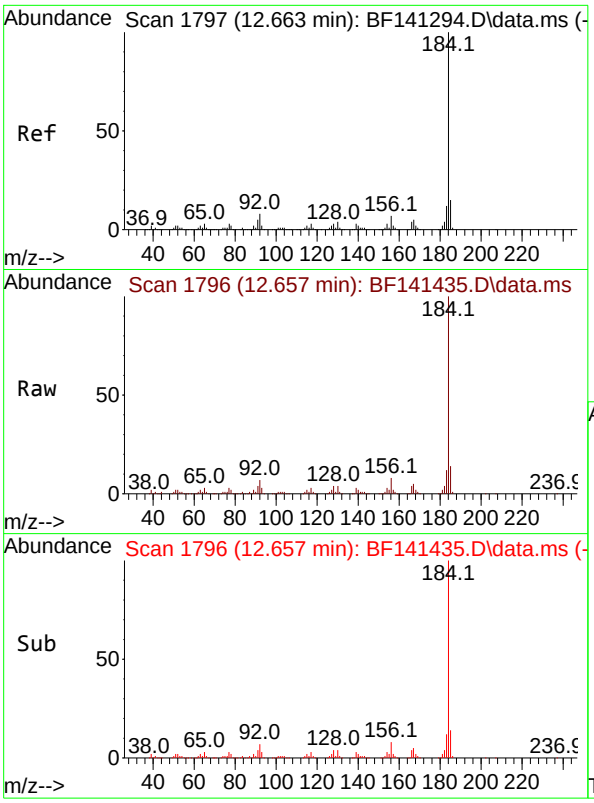


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:240 Resp: 168458

Ion	Ratio	Lower	Upper
240	100		
120	9.6	10.0	15.0#
236	25.2	19.7	29.5





#77
Benzidine
Concen: 38.432 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:184 Resp: 20755

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.9	17.9
183	12.3	9.5	14.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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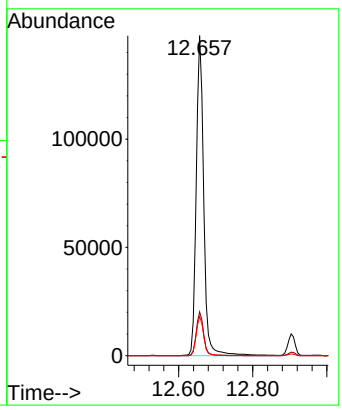
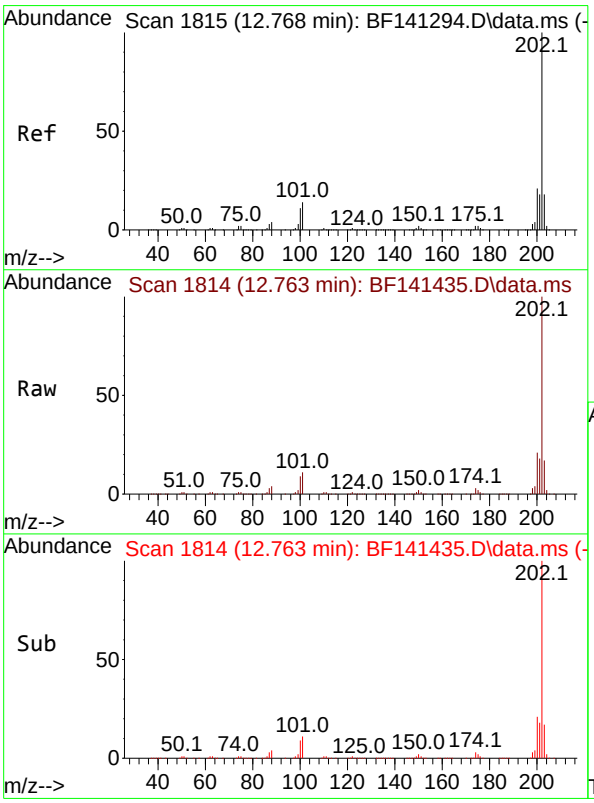
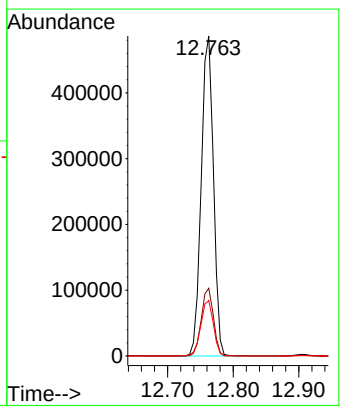


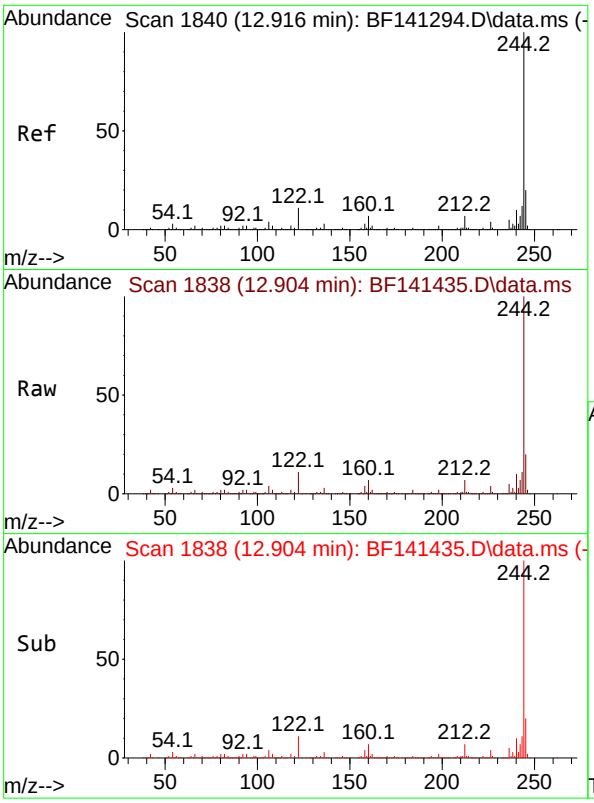


#78
Pyrene
Concen: 39.047 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:202 Resp: 631407

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.3	14.3	21.5

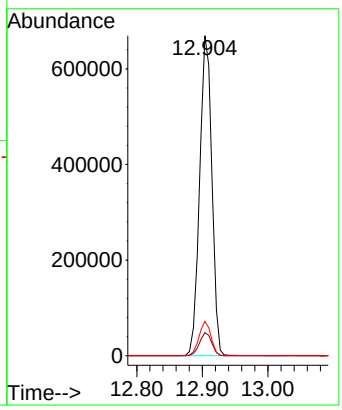




#79
Terphenyl-d14
Concen: 79.581 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:244 Resp: 86928

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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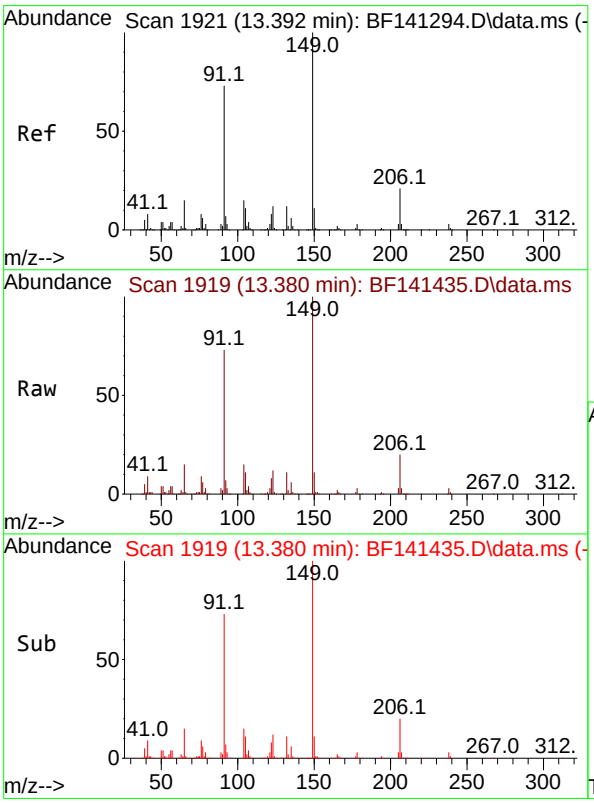
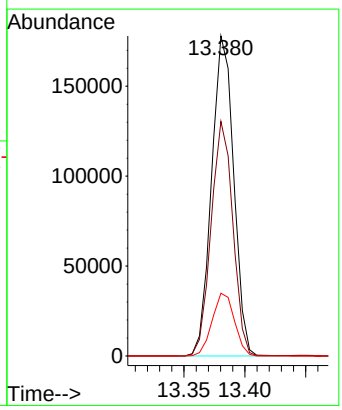
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

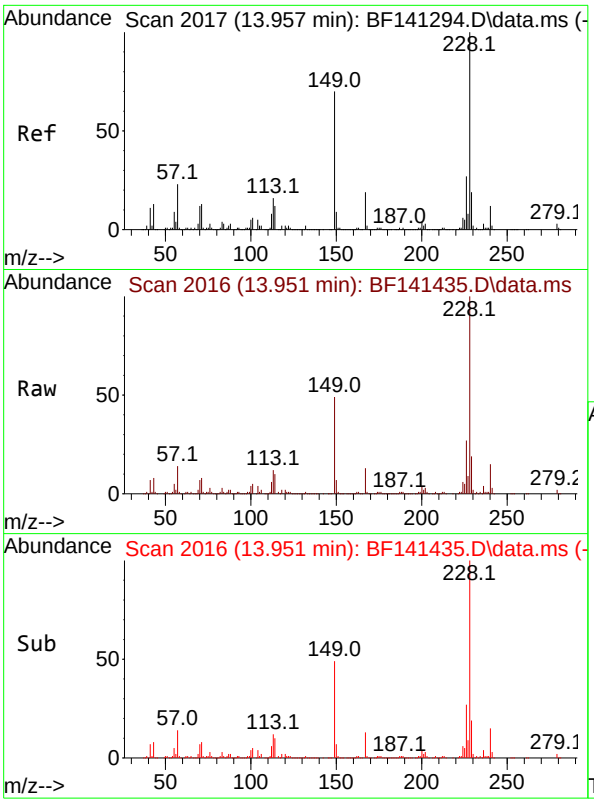


#80
Butylbenzylphthalate
Concen: 39.778 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 224717

Ion	Ratio	Lower	Upper
149	100		
91	73.3	58.6	87.8
206	19.6	16.7	25.1

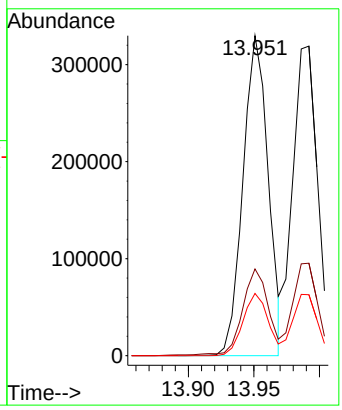




#81
Benzo(a)anthracene
Concen: 37.964 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:228 Resp: 44132

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.5	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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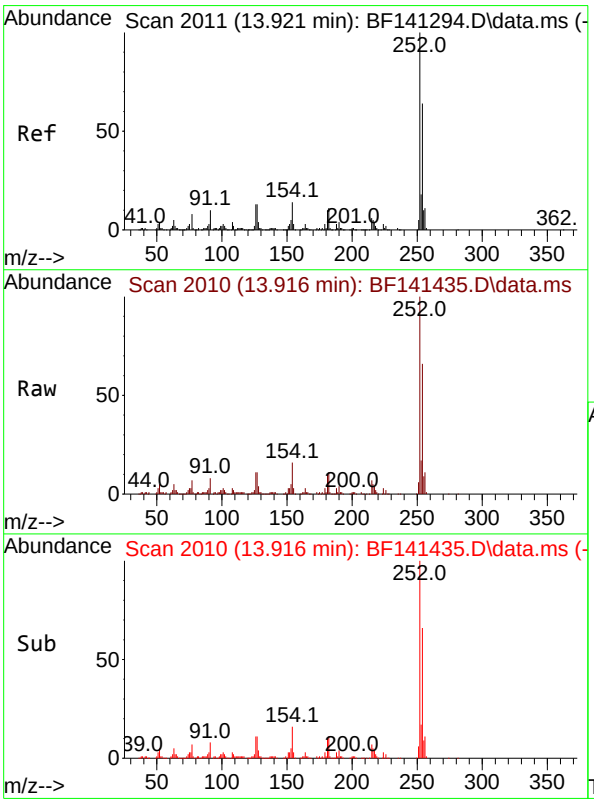
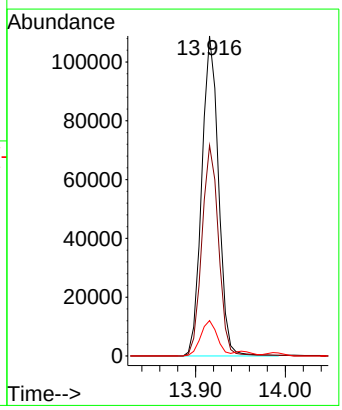
Supervised By :mohammad ahmed 02/06/2025

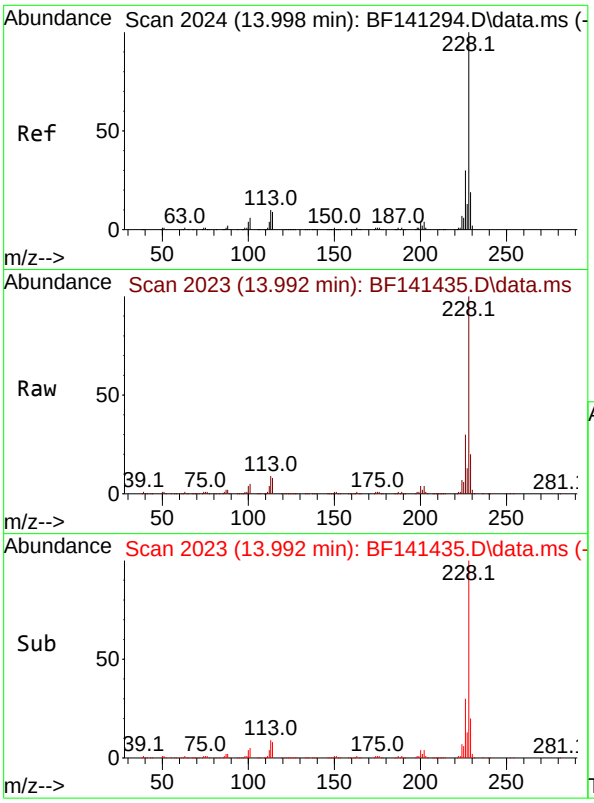


#82
3,3'-Dichlorobenzidine
Concen: 38.153 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:252 Resp: 141060

Ion	Ratio	Lower	Upper
252	100		
254	65.8	51.3	76.9
126	11.0	10.0	15.0

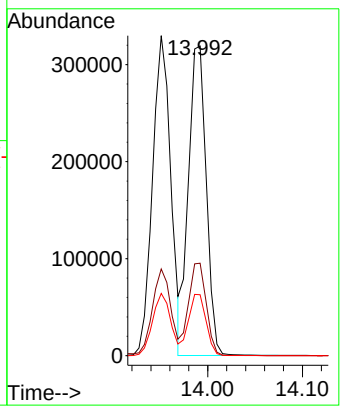




#83
Chrysene
Concen: 39.290 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:228 Resp: 41857

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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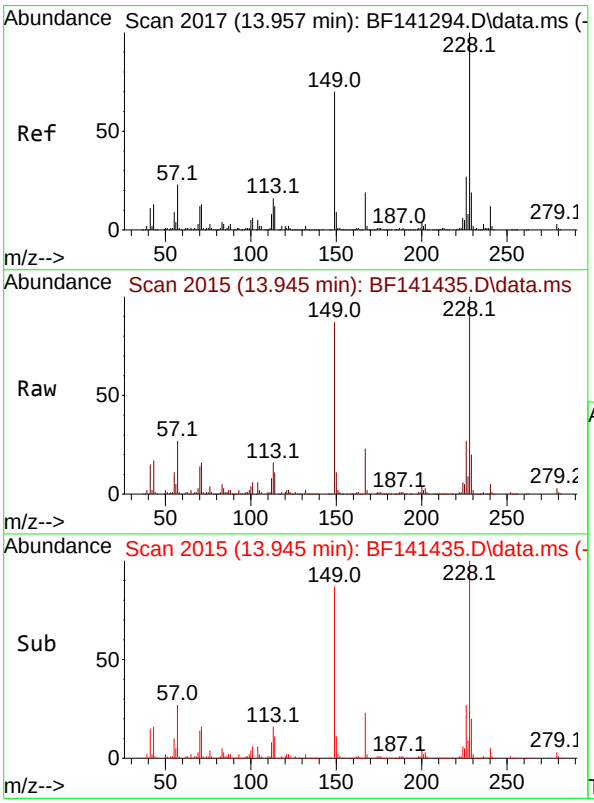
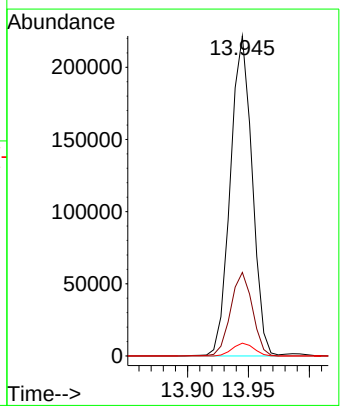
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

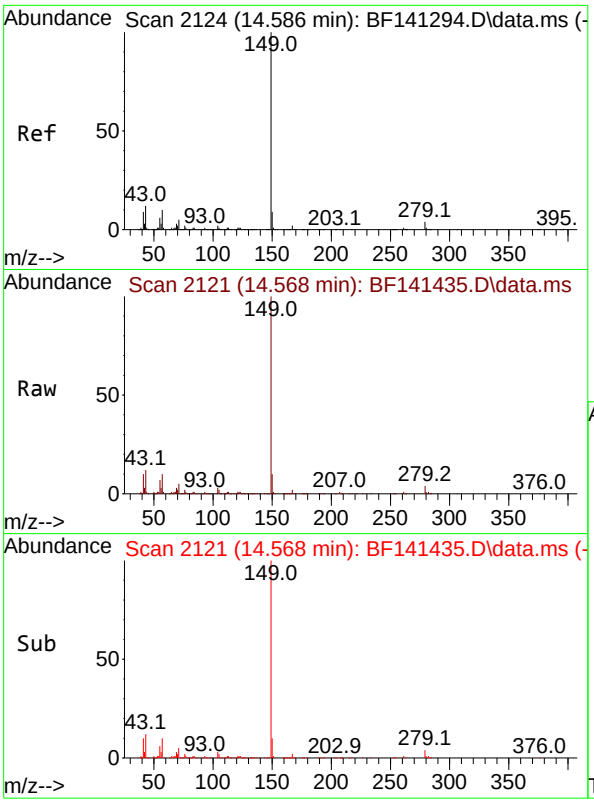


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.586 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 276519

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.8	32.8
279	4.0	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 37.624 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 41877

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.8	14.8

Manual Integrations
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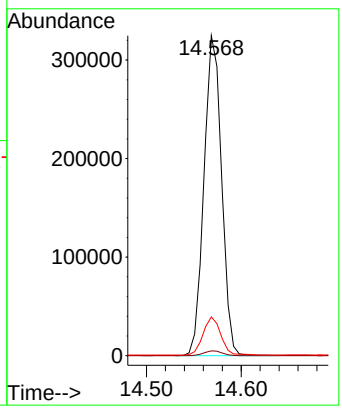
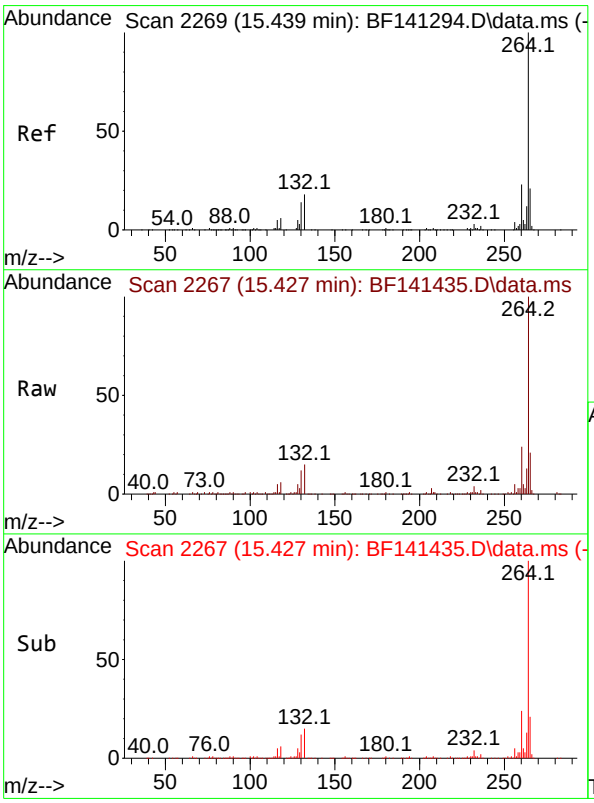
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

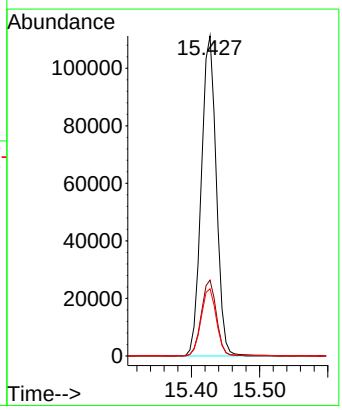


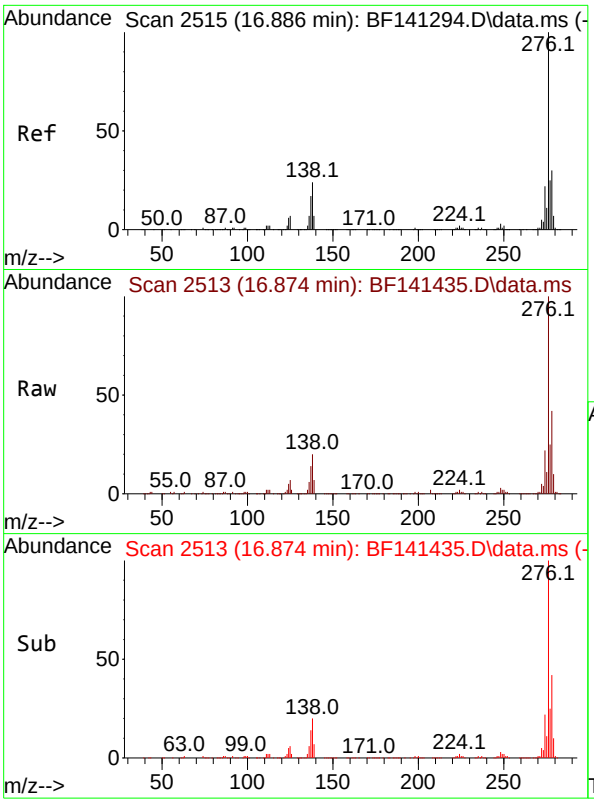


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:264 Resp: 170248

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.0	16.7	25.1

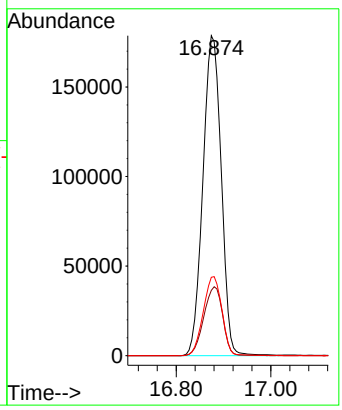




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.712 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:276 Resp: 48032

Ion	Ratio	Lower	Upper
276	100		
138	22.3	21.7	32.5
277	25.2	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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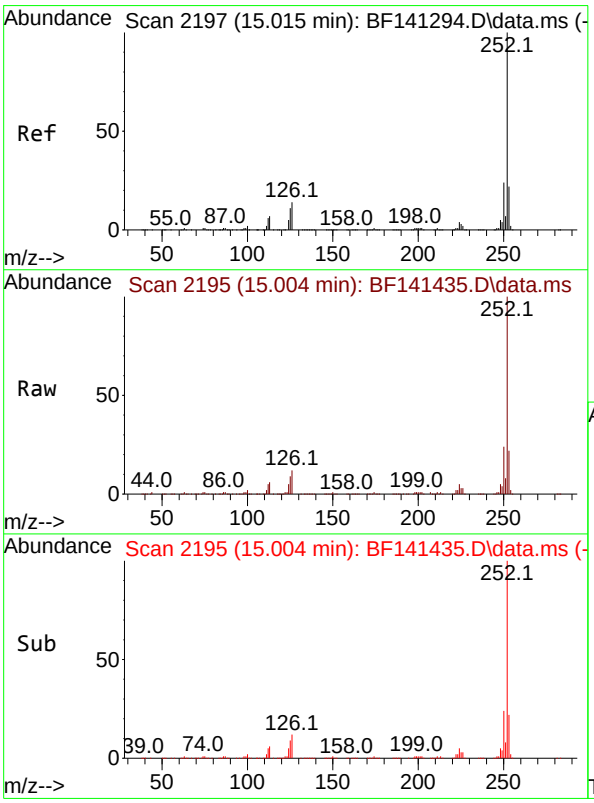
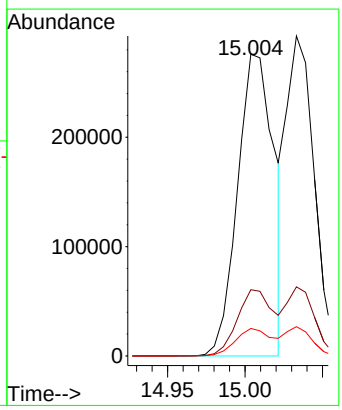
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

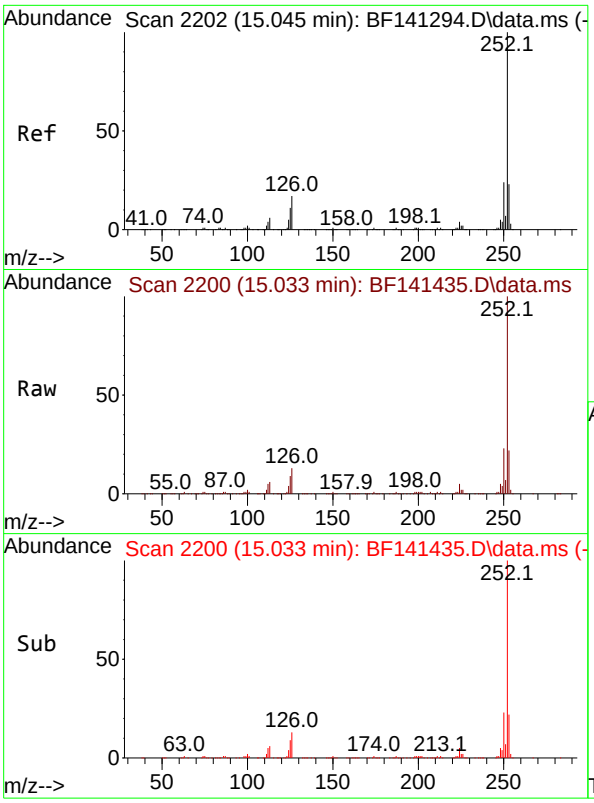


#88
Benzo(b)fluoranthene
Concen: 42.180 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:252 Resp: 451713

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.1	8.6	12.8

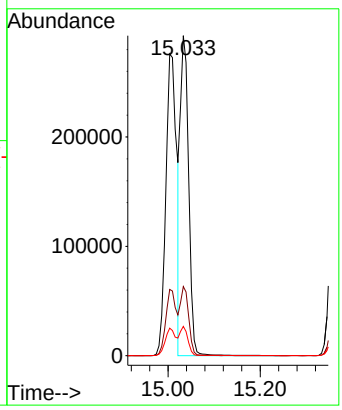




#89
Benzo(k)fluoranthene
Concen: 38.829 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:252 Resp: 36836

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.1	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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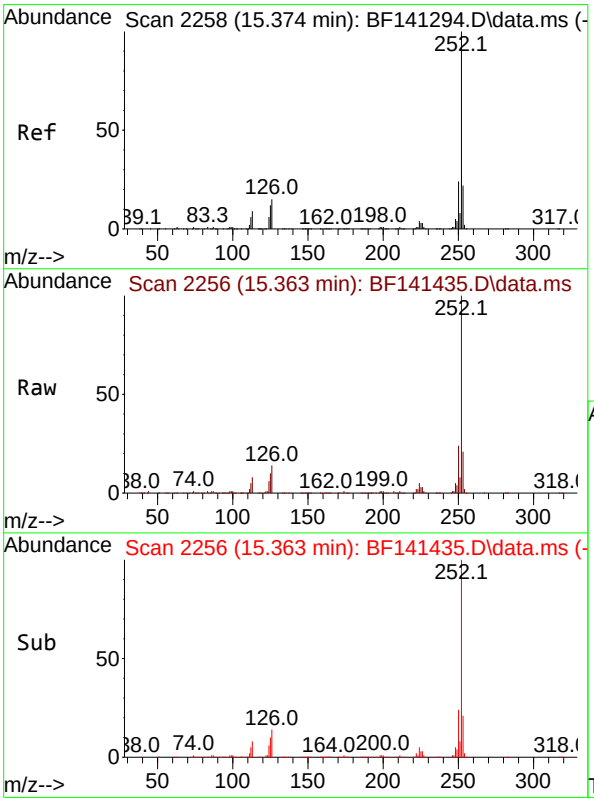
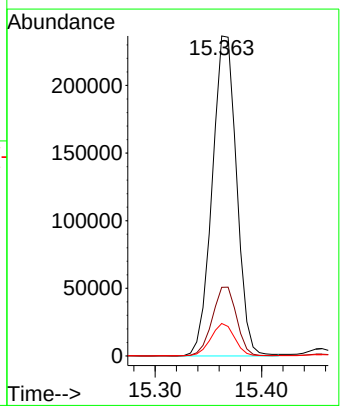
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

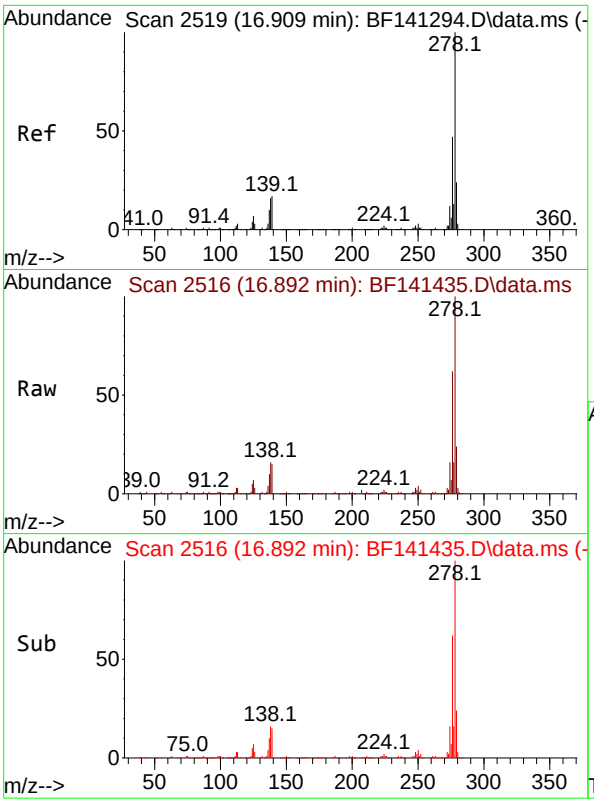


#90
Benzo(a)pyrene
Concen: 41.472 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:252 Resp: 375306

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	10.2	9.4	14.2

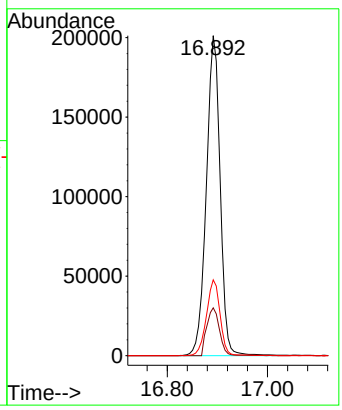




#91
Dibenzo(a,h)anthracene
Concen: 43.654 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:278 Resp: 38592

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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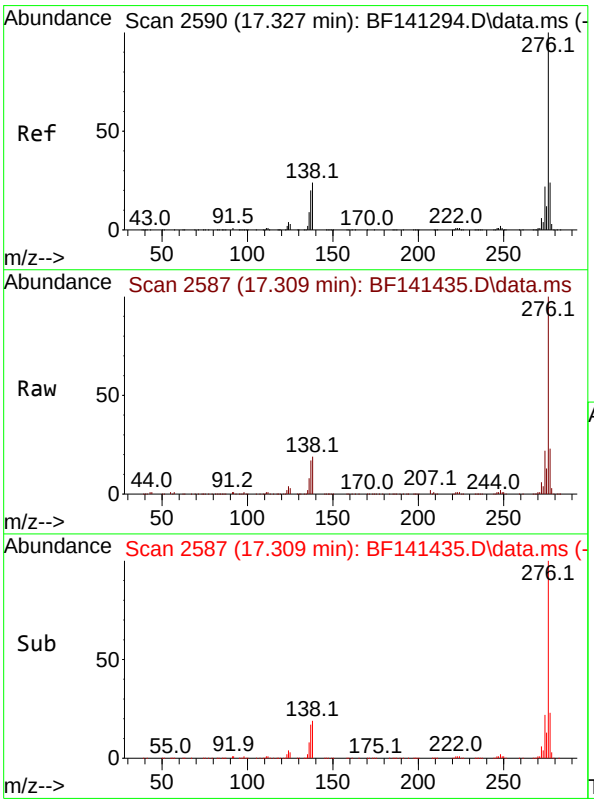
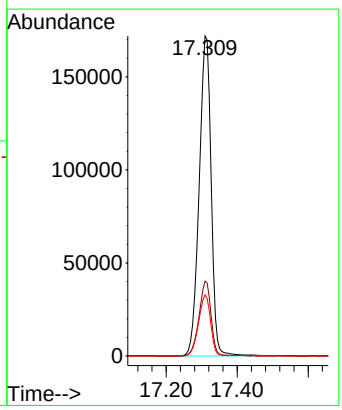
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 44.107 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.035 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:276 Resp: 405442

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	19.1	19.0	28.4



Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	58	-0.01
2		1,4-Dioxane	0.573	0.500	12.7	54	-0.04
3		Pyridine	1.380	1.235	10.5	54	-0.04
4		n-Nitrosodimethylamine	0.789	0.860	-9.0	66	-0.06
5	S	2-Fluorophenol	1.303	1.295	0.6	62	0.00
6		Aniline	1.403	1.297	7.6	55	-0.02
7	S	Phenol-d6	1.657	1.600	3.4	61	0.00
8		2-Chlorophenol	1.396	1.383	0.9	61	-0.01
9		Benzaldehyde	0.960	0.988	-2.9	64	-0.01
10	C	Phenol	1.757	1.663	5.4	58	0.00
11		bis(2-Chloroethyl)ether	1.347	1.263	6.2	59	-0.02
12		1,3-Dichlorobenzene	1.540	1.552	-0.8	63	-0.01
13	C	1,4-Dichlorobenzene	1.547	1.578	-2.0	63	-0.01
14		1,2-Dichlorobenzene	1.448	1.467	-1.3	63	-0.01
15		Benzyl Alcohol	1.133	1.197	-5.6	64	-0.01
16		2,2'-oxybis(1-Chloropropane	2.342	2.038	13.0	54	-0.01
17		2-Methylphenol	1.135	1.083	4.6	60	0.00
18		Hexachloroethane	0.571	0.582	-1.9	63	-0.01
19	P	n-Nitroso-di-n-propylamine	0.985	0.951	3.5	61	-0.02
20		3+4-Methylphenols	1.393	1.395	-0.1	62	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	57	-0.01
22		Acetophenone	0.475	0.493	-3.8	64	-0.01
23	S	Nitrobenzene-d5	0.379	0.396	-4.5	63	-0.01
24		Nitrobenzene	0.393	0.403	-2.5	61	-0.02
25		Isophorone	0.656	0.632	3.7	58	-0.01
26	C	2-Nitrophenol	0.185	0.191	-3.2	61	-0.01
27		2,4-Dimethylphenol	0.236	0.229	3.0	58	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.393	6.0	57	-0.01
29	C	2,4-Dichlorophenol	0.289	0.297	-2.8	62	0.00
30		1,2,4-Trichlorobenzene	0.330	0.338	-2.4	63	-0.01
31		Naphthalene	1.057	1.058	-0.1	61	-0.01
32		Benzoic acid	0.217	0.218	-0.5	56	-0.03
33		4-Chloroaniline	0.358	0.335	6.4	56	-0.01
34	C	Hexachlorobutadiene	0.194	0.212	-9.3	67	0.00
35		Caprolactam	0.094	0.092	2.1	59	-0.03
36	C	4-Chloro-3-methylphenol	0.310	0.323	-4.2	64	0.00
37		2-Methylnaphthalene	0.672	0.670	0.3	61	-0.01
38		1-Methylnaphthalene	0.660	0.657	0.5	61	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	58	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.569	0.579	-1.8	62	-0.01
41	P	Hexachlorocyclopentadiene	0.168	0.166	1.2	55	-0.01
42	S	2,4,6-Tribromophenol	0.183	0.197	-7.7	65	-0.01
43	C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	61	0.00
44		2,4,5-Trichlorophenol	0.405	0.418	-3.2	64	0.00
45	S	2-Fluorobiphenyl	1.299	1.338	-3.0	65	-0.01
46		1,1'-Biphenyl	1.560	1.536	1.5	61	-0.01
47		2-Chloronaphthalene	1.216	1.222	-0.5	63	-0.01

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.382	0.396	-3.7	63	0.00
49		Acenaphthylene	1.702	1.696	0.4	61	-0.01
50		Dimethylphthalate	1.351	1.345	0.4	62	-0.01
51		2,6-Dinitrotoluene	0.314	0.319	-1.6	62	-0.01
52	C	Acenaphthene	1.216	1.232	-1.3	63	-0.01
53		3-Nitroaniline	0.307	0.309	-0.7	59	-0.01
54	P	2,4-Dinitrophenol	0.146	0.160	-9.6	63	-0.01
55		Dibenzofuran	1.627	1.626	0.1	62	-0.01
56	P	4-Nitrophenol	0.225	0.235	-4.4	60	0.00
57		2,4-Dinitrotoluene	0.406	0.428	-5.4	64	-0.01
58		Fluorene	1.262	1.312	-4.0	65	-0.01
59		2,3,4,6-Tetrachlorophenol	0.319	0.335	-5.0	63	0.00
60		Diethylphthalate	1.310	1.326	-1.2	62	-0.02
61		4-Chlorophenyl-phenylether	0.617	0.644	-4.4	65	0.00
62		4-Nitroaniline	0.302	0.314	-4.0	62	-0.02
63		Azobenzene	1.311	1.247	4.9	59	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	59	-0.01
65		4,6-Dinitro-2-methylphenol	0.118	0.135	-14.4	64	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.657	-1.5	62	-0.01
67		4-Bromophenyl-phenylether	0.224	0.231	-3.1	63	-0.01
68		Hexachlorobenzene	0.238	0.246	-3.4	64	-0.01
69		Atrazine	0.216	0.200	7.4	56	-0.01
70	C	Pentachlorophenol	0.139	0.151	-8.6	62	0.00
71		Phenanthrene	1.075	1.115	-3.7	64	0.00
72		Anthracene	1.053	1.101	-4.6	65	-0.01
73		Carbazole	0.934	1.005	-7.6	66	0.00
74		Di-n-butylphthalate	1.132	1.165	-2.9	64	-0.01
75	C	Fluoranthene	1.062	1.154	-8.7	67	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	65	-0.01
77		Benzidine	0.641	0.616	3.9	55	0.00
78		Pyrene	1.920	1.874	2.4	69	0.00
79	S	Terphenyl-d14	1.297	1.290	0.5	71	-0.01
80		Butylbenzylphthalate	0.671	0.667	0.6	69	-0.01
81		Benzo(a)anthracene	1.380	1.310	5.1	67	-0.01
82		3,3'-Dichlorobenzidine	0.439	0.419	4.6	65	-0.01
83		Chrysene	1.265	1.242	1.8	71	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.821	3.5	68	-0.01
85	c	Di-n-octyl phthalate	1.321	1.243	5.9	65	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	61	-0.01
87		Indeno(1,2,3-cd)pyrene	1.291	1.411	-9.3	68	-0.02
88		Benzo(b)fluoranthene	1.258	1.327	-5.5	72	-0.02
89		Benzo(k)fluoranthene	1.114	1.082	2.9	61	-0.02
90	C	Benzo(a)pyrene	1.063	1.102	-3.7	66	-0.02
91		Dibenzo(a,h)anthracene	1.039	1.133	-9.0	68	-0.03
92		Benzo(g,h,i)perylene	1.080	1.191	-10.3	70	-0.04

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	58	-0.01
2		1,4-Dioxane	40.000	34.885	12.8	54	-0.04
3		Pyridine	40.000	35.776	10.6	54	-0.04
4		n-Nitrosodimethylamine	40.000	43.622	-9.1	66	-0.06
5	S	2-Fluorophenol	80.000	79.549	0.6	62	0.00
6		Aniline	40.000	36.974	7.6	55	-0.02
7	S	Phenol-d6	80.000	77.255	3.4	61	0.00
8		2-Chlorophenol	40.000	39.605	1.0	61	-0.01
9		Benzaldehyde	40.000	41.171	-2.9	64	-0.01
10	C	Phenol	40.000	37.854	5.4	58	0.00
11		bis(2-Chloroethyl)ether	40.000	37.520	6.2	59	-0.02
12		1,3-Dichlorobenzene	40.000	40.328	-0.8	63	-0.01
13	C	1,4-Dichlorobenzene	40.000	40.809	-2.0	63	-0.01
14		1,2-Dichlorobenzene	40.000	40.526	-1.3	63	-0.01
15		Benzyl Alcohol	40.000	42.275	-5.7	64	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	34.802	13.0	54	-0.01
17		2-Methylphenol	40.000	38.159	4.6	60	0.00
18		Hexachloroethane	40.000	40.798	-2.0	63	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	38.623	3.4	61	-0.02
20		3+4-Methylphenols	40.000	40.033	-0.1	62	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	57	-0.01
22		Acetophenone	40.000	41.439	-3.6	64	-0.01
23	S	Nitrobenzene-d5	80.000	83.608	-4.5	63	-0.01
24		Nitrobenzene	40.000	41.037	-2.6	61	-0.02
25		Isophorone	40.000	38.520	3.7	58	-0.01
26	C	2-Nitrophenol	40.000	41.137	-2.8	61	-0.01
27		2,4-Dimethylphenol	40.000	38.795	3.0	58	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.533	6.2	57	-0.01
29	C	2,4-Dichlorophenol	40.000	41.092	-2.7	62	0.00
30		1,2,4-Trichlorobenzene	40.000	41.020	-2.6	63	-0.01
31		Naphthalene	40.000	40.064	-0.2	61	-0.01
32		Benzoic acid	40.000	40.161	-0.4	56	-0.03
33		4-Chloroaniline	40.000	37.413	6.5	56	-0.01
34	C	Hexachlorobutadiene	40.000	43.834	-9.6	67	0.00
35		Caprolactam	40.000	39.058	2.4	59	-0.03
36	C	4-Chloro-3-methylphenol	40.000	41.751	-4.4	64	0.00
37		2-Methylnaphthalene	40.000	39.913	0.2	61	-0.01
38		1-Methylnaphthalene	40.000	39.835	0.4	61	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	58	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.737	-1.8	62	-0.01
41	P	Hexachlorocyclopentadiene	40.000	39.437	1.4	55	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.780	-7.2	65	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.315	-3.3	61	0.00
44		2,4,5-Trichlorophenol	40.000	41.284	-3.2	64	0.00
45	S	2-Fluorobiphenyl	80.000	82.364	-3.0	65	-0.01
46		1,1'-Biphenyl	40.000	39.392	1.5	61	-0.01
47		2-Chloronaphthalene	40.000	40.191	-0.5	63	-0.01

Sample Results: **BF141435.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.385	-3.5	63	0.00
49		Acenaphthylene	40.000	39.872	0.3	61	-0.01
50		Dimethylphthalate	40.000	39.828	0.4	62	-0.01
51		2,6-Dinitrotoluene	40.000	40.695	-1.7	62	-0.01
52	C	Acenaphthene	40.000	40.520	-1.3	63	-0.01
53		3-Nitroaniline	40.000	40.165	-0.4	59	-0.01
54	P	2,4-Dinitrophenol	40.000	43.990	-10.0	63	-0.01
55		Dibenzofuran	40.000	39.973	0.1	62	-0.01
56	P	4-Nitrophenol	40.000	41.844	-4.6	60	0.00
57		2,4-Dinitrotoluene	40.000	42.144	-5.4	64	-0.01
58		Fluorene	40.000	41.573	-3.9	65	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.052	-5.1	63	0.00
60		Diethylphthalate	40.000	40.510	-1.3	62	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.761	-4.4	65	0.00
62		4-Nitroaniline	40.000	41.554	-3.9	62	-0.02
63		Azobenzene	40.000	38.055	4.9	59	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	59	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	45.776	-14.4	64	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.601	-1.5	62	-0.01
67		4-Bromophenyl-phenylether	40.000	41.249	-3.1	63	-0.01
68		Hexachlorobenzene	40.000	41.354	-3.4	64	-0.01
69		Atrazine	40.000	37.040	7.4	56	-0.01
70	C	Pentachlorophenol	40.000	43.436	-8.6	62	0.00
71		Phenanthrene	40.000	41.476	-3.7	64	0.00
72		Anthracene	40.000	41.812	-4.5	65	-0.01
73		Carbazole	40.000	43.048	-7.6	66	0.00
74		Di-n-butylphthalate	40.000	41.155	-2.9	64	-0.01
75	C	Fluoranthene	40.000	43.486	-8.7	67	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	65	-0.01
77		Benzidine	40.000	38.432	3.9	55	0.00
78		Pyrene	40.000	39.047	2.4	69	0.00
79	S	Terphenyl-d14	80.000	79.581	0.5	71	-0.01
80		Butylbenzylphthalate	40.000	39.778	0.6	69	-0.01
81		Benzo(a)anthracene	40.000	37.964	5.1	67	-0.01
82		3,3'-Dichlorobenzidine	40.000	38.153	4.6	65	-0.01
83		Chrysene	40.000	39.290	1.8	71	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.586	3.5	68	-0.01
85	c	Di-n-octyl phthalate	40.000	37.624	5.9	65	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	61	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	43.712	-9.3	68	-0.02
88		Benzo(b)fluoranthene	40.000	42.180	-5.4	72	-0.02
89		Benzo(k)fluoranthene	40.000	38.829	2.9	61	-0.02
90	C	Benzo(a)pyrene	40.000	41.472	-3.7	66	-0.02
91		Dibenzo(a,h)anthracene	40.000	43.654	-9.1	68	-0.03
92		Benzo(g,h,i)perylene	40.000	44.107	-10.3	70	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141506.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 02/07/2025 14:33

Lab File ID: BF141506.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.294		1.4	
Benzaldehyde	0.857	0.844		-1.5	
Phenol-d6	1.612	1.599		-0.8	
Phenol	1.678	1.676		-0.1	20.0
bis(2-Chloroethyl)ether	1.261	1.237		-1.9	
2-Chlorophenol	1.378	1.383		0.4	
2-Methylphenol	1.079	1.064		-1.4	
2,2-oxybis(1-Chloropropane)	2.158	2.121		-1.7	
Acetophenone	0.498	0.489		-1.8	
3+4-Methylphenols	1.371	1.329		-3.1	
n-Nitroso-di-n-propylamine	0.964	0.978	0.050	1.5	
Nitrobenzene-d5	0.383	0.384		0.3	
Hexachloroethane	0.550	0.545		-0.9	
Nitrobenzene	0.374	0.372		-0.5	
Isophorone	0.611	0.607		-0.7	
2-Nitrophenol	0.186	0.191		2.7	20.0
2,4-Dimethylphenol	0.217	0.219		0.9	
bis(2-Chloroethoxy)methane	0.392	0.396		1.0	
2,4-Dichlorophenol	0.294	0.296		0.7	20.0
Naphthalene	1.041	1.040		-0.1	
4-Chloroaniline	0.363	0.327		-9.9	
Hexachlorobutadiene	0.192	0.191		-0.5	20.0
Caprolactam	0.089	0.093		4.5	
4-Chloro-3-methylphenol	0.325	0.326		0.3	20.0
2-Methylnaphthalene	0.677	0.668		-1.3	
Hexachlorocyclopentadiene	0.192	0.193	0.050	0.5	
2,4,6-Trichlorophenol	0.374	0.368		-1.6	20.0
2-Fluorobiphenyl	1.298	1.268		-2.3	
2,4,5-Trichlorophenol	0.405	0.399		-1.5	
1,1-Biphenyl	1.551	1.528		-1.5	
2-Chloronaphthalene	1.147	1.132		-1.3	
2-Nitroaniline	0.385	0.385		0.0	
Dimethylphthalate	1.358	1.338		-1.5	
Acenaphthylene	1.705	1.697		-0.5	
2,6-Dinitrotoluene	0.297	0.295		-0.7	
3-Nitroaniline	0.319	0.315		-1.3	
Acenaphthene	1.147	1.116		-2.7	20.0
2,4-Dinitrophenol	0.176	0.169	0.050	-4.0	
4-Nitrophenol	0.237	0.240	0.050	1.3	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 02/07/2025 14:33

Lab File ID: BF141506.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.655		-1.7	
2,4-Dinitrotoluene	0.395	0.400		1.3	
Diethylphthalate	1.336	1.313		-1.7	
4-Chlorophenyl-phenylether	0.626	0.616		-1.6	
Fluorene	1.301	1.278		-1.8	
4-Nitroaniline	0.324	0.326		0.6	
4,6-Dinitro-2-methylphenol	0.139	0.139		0.0	
n-Nitrosodiphenylamine	0.640	0.631		-1.4	20.0
2,4,6-Tribromophenol	0.201	0.200		-0.5	
4-Bromophenyl-phenylether	0.224	0.217		-3.1	
Hexachlorobenzene	0.230	0.229		-0.4	
Atrazine	0.192	0.182		-5.2	
Pentachlorophenol	0.147	0.147		0.0	20.0
Phenanthrene	1.101	1.082		-1.7	
Anthracene	1.107	1.095		-1.1	
Carbazole	0.996	1.004		0.8	
Di-n-butylphthalate	1.150	1.152		0.2	
Fluoranthene	1.167	1.168		0.1	20.0
Pyrene	1.703	1.702		-0.1	
Terphenyl-d14	1.185	1.171		-1.2	
Butylbenzylphthalate	0.590	0.640		8.5	
3,3-Dichlorobenzidine	0.381	0.385		1.0	
Benzo(a)anthracene	1.329	1.316		-1.0	
Chrysene	1.228	1.167		-5.0	
Bis(2-ethylhexyl)phthalate	0.665	0.759		14.1	
Di-n-octyl phthalate	0.949	1.017		7.2	20.0
Benzo(b)fluoranthene	1.343	1.426		6.2	
Benzo(k)fluoranthene	1.147	1.070		-6.7	
Benzo(a)pyrene	1.087	1.090		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.236	1.245		0.7	
Dibenzo(a,h)anthracene	1.001	1.011		1.0	
Benzo(g,h,i)perylene	1.048	1.028		-1.9	
1,2,4,5-Tetrachlorobenzene	0.579	0.571		-1.4	
1,4-Dioxane	0.513	0.512		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.346		-0.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91880	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	360290	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	198348	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	340922	20.000	ng	0.00
76) Chrysene-d12	13.957	240	238177	20.000	ng	0.00
86) Perylene-d12	15.416	264	192868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	475650	81.160	ng	0.00
7) Phenol-d6	6.428	99	587648	79.333	ng	-0.01
23) Nitrobenzene-d5	7.357	82	553575	80.140	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	158428	79.512	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1006130	78.150	ng	0.00
79) Terphenyl-d14	12.904	244	1115806	79.087	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	94001	39.852	ng	100
3) Pyridine	3.199	79	234861	41.842	ng	99
4) n-Nitrosodimethylamine	3.157	42	146825	39.505	ng	96
6) Aniline	6.451	93	276601	39.807	ng	94
8) 2-Chlorophenol	6.575	128	254071	40.121	ng	96
9) Benzaldehyde	6.340	77	155074	39.396	ng	100
10) Phenol	6.446	94	307937	39.942	ng	99
11) bis(2-Chloroethyl)ether	6.528	93	227223	39.239	ng	99
12) 1,3-Dichlorobenzene	6.728	146	265506	39.713	ng	98
13) 1,4-Dichlorobenzene	6.804	146	265354	38.847	ng	98
14) 1,2-Dichlorobenzene	6.963	146	252127	39.770	ng	100
15) Benzyl Alcohol	6.934	79	221923	39.069	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	389773	39.320	ng	99
17) 2-Methylphenol	7.051	107	195478	39.445	ng	99
18) Hexachloroethane	7.298	117	100140	39.613	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	179697	40.556	ng	97
20) 3+4-Methylphenols	7.204	107	244214	38.777	ng	98
22) Acetophenone	7.198	105	352167	39.294	ng	99
24) Nitrobenzene	7.375	77	268254	39.825	ng	100
25) Isophorone	7.610	82	437623	39.733	ng	100
26) 2-Nitrophenol	7.687	139	137445	41.014	ng	99
27) 2,4-Dimethylphenol	7.728	122	158012	40.362	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	285112	40.398	ng	100
29) 2,4-Dichlorophenol	7.940	162	213366	40.337	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	229655	39.869	ng	99
31) Naphthalene	8.092	128	749587	39.968	ng	100
32) Benzoic acid	7.857	122	163033	40.092	ng	98
33) 4-Chloroaniline	8.145	127	235464	35.960	ng	100
34) Hexachlorobutadiene	8.210	225	137788	39.845	ng	99
35) Caprolactam	8.516	113	67233	41.746	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	234989	40.105	ng	100
37) 2-Methylnaphthalene	8.787	142	481204	39.430	ng	100
38) 1-Methylnaphthalene	8.881	142	465894	39.416	ng	97
40) 1,2,4,5-Tetrachloroben...	8.951	216	226553	39.480	ng	99
41) Hexachlorocyclopentadiene	8.934	237	76451	40.055	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	145794	39.310	ng	98

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	158176	39.352	ng	99
46) 1,1'-Biphenyl	9.251	154	606143	39.417	ng	100
47) 2-Chloronaphthalene	9.275	162	448999	39.485	ng	100
48) 2-Nitroaniline	9.375	65	152856	40.054	ng	98
49) Acenaphthylene	9.686	152	673155	39.800	ng	99
50) Dimethylphthalate	9.551	163	530887	39.426	ng	99
51) 2,6-Dinitrotoluene	9.616	165	116863	39.701	ng	99
52) Acenaphthene	9.863	154	442729m	38.936	ng	
53) 3-Nitroaniline	9.786	138	124846	39.406	ng	99
54) 2,4-Dinitrophenol	9.892	184	67053	38.328	ng	97
55) Dibenzofuran	10.034	168	656713	39.347	ng	100
56) 4-Nitrophenol	9.957	139	95307	40.524	ng	97
57) 2,4-Dinitrotoluene	10.016	165	158641	40.483	ng	97
58) Fluorene	10.375	166	507132	39.298	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	137272	39.668	ng	97
60) Diethylphthalate	10.251	149	520921	39.320	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	244431	39.371	ng	99
62) 4-Nitroaniline	10.398	138	129336	40.203	ng	97
63) Azobenzene	10.528	77	516030	39.181	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	94709	39.992	ng	98
66) n-Nitrosodiphenylamine	10.486	169	430480	39.446	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	148075	38.862	ng	96
68) Hexachlorobenzene	10.922	284	156412	39.865	ng	98
69) Atrazine	11.016	200	124255	37.952	ng	99
70) Pentachlorophenol	11.122	266	100181	39.932	ng	99
71) Phenanthrene	11.339	178	737878	39.319	ng	99
72) Anthracene	11.392	178	746361	39.564	ng	100
73) Carbazole	11.545	167	684333	40.316	ng	100
74) Di-n-butylphthalate	11.880	149	785155	40.060	ng	100
75) Fluoranthene	12.527	202	796201	40.018	ng	99
77) Benzidine	12.651	184	232310	44.226	ng	99
78) Pyrene	12.757	202	810550	39.977	ng	100
80) Butylbenzylphthalate	13.374	149	305087	43.443	ng	99
81) Benzo(a)anthracene	13.945	228	626940	39.598	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	183288	40.414	ng	98
83) Chrysene	13.986	228	556110	38.041	ng	99
84) Bis(2-ethylhexyl)phtha...	13.939	149	361384	45.626	ng	99
85) Di-n-octyl phthalate	14.563	149	484418	42.871	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	480414	40.313	ng	100
88) Benzo(b)fluoranthene	14.998	252	549964	42.468	ng	99
89) Benzo(k)fluoranthene	15.027	252	412835	37.333	ng	99
90) Benzo(a)pyrene	15.357	252	420423	40.121	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	390089	40.397	ng	100
92) Benzo(g,h,i)perylene	17.298	276	396572	39.245	ng	99

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

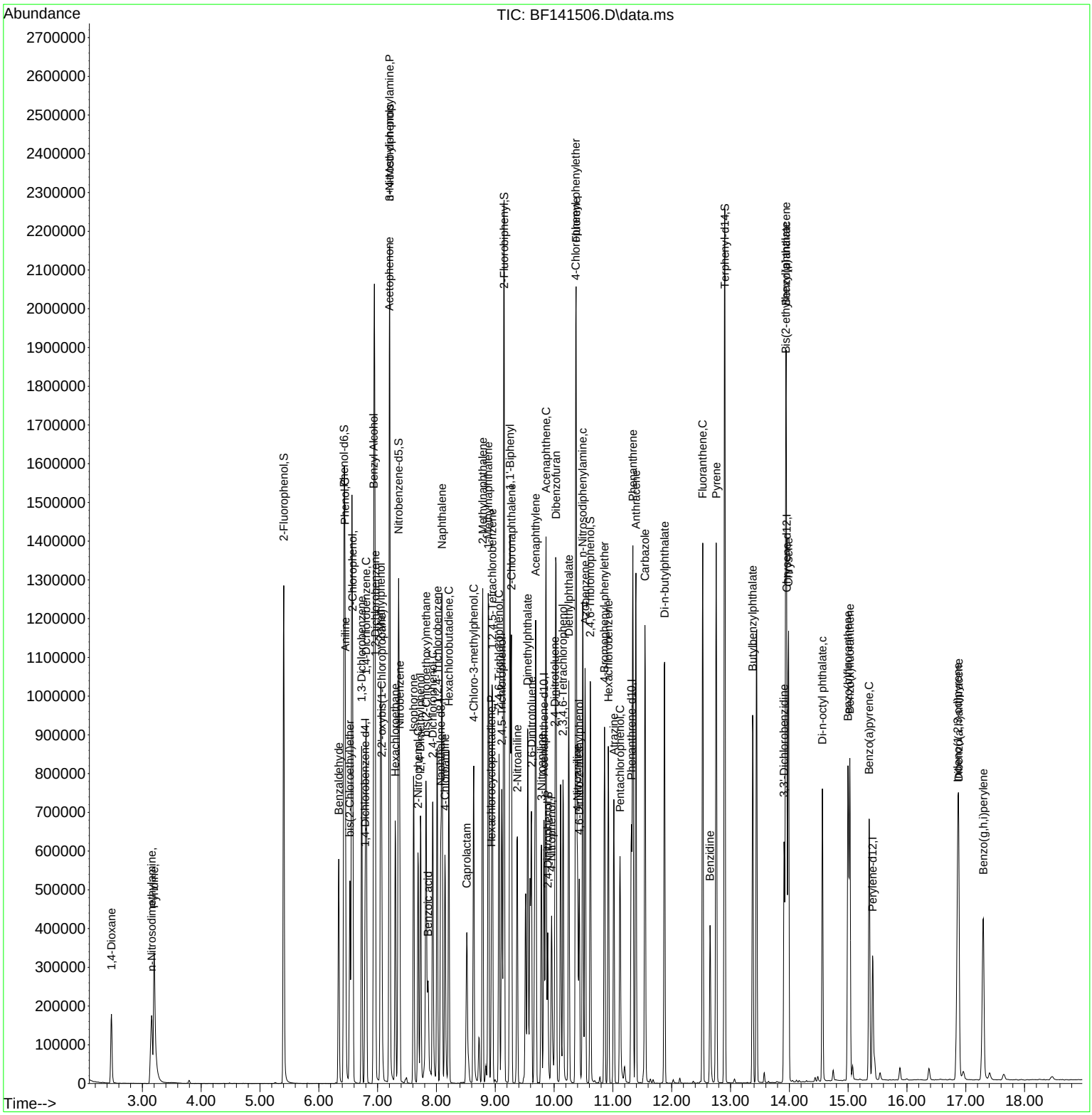
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

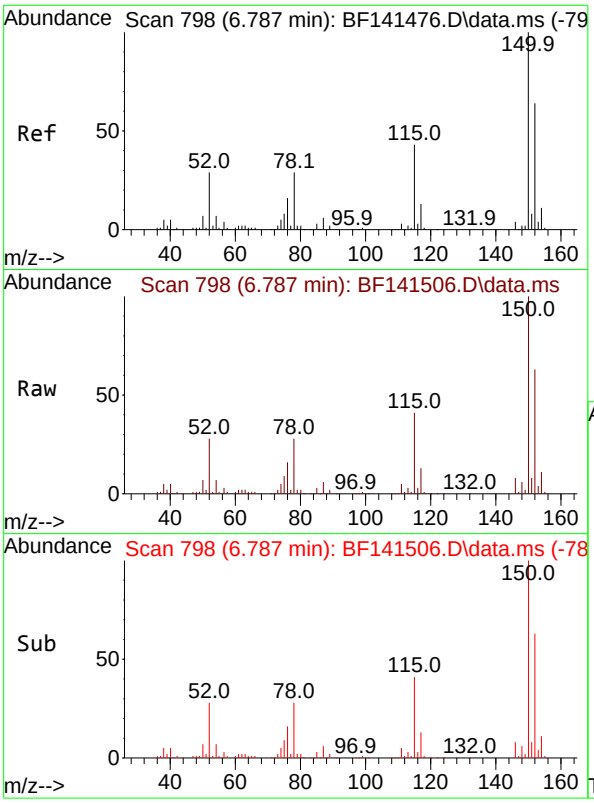
Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

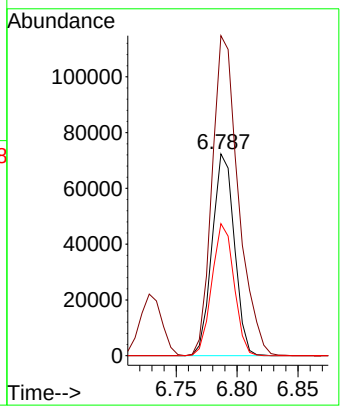




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:152 Resp: 9188

Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.0	187.4
115	65.4	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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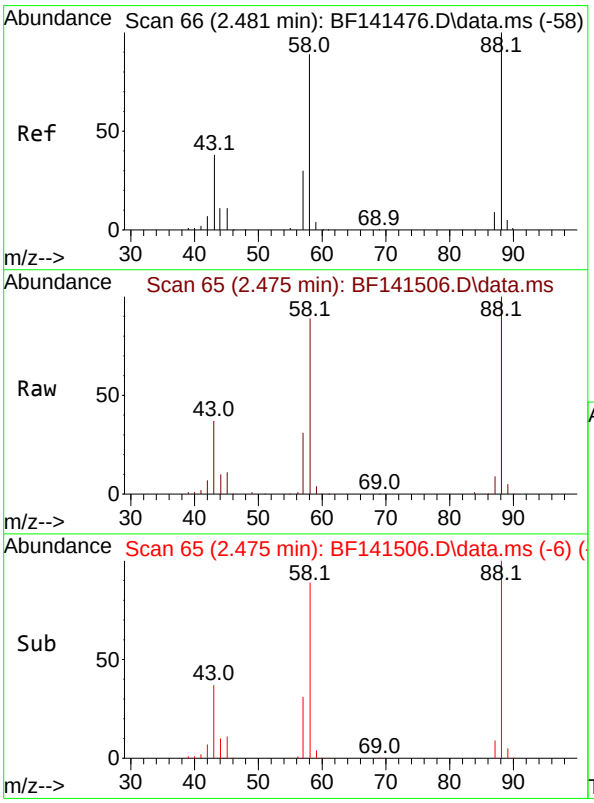
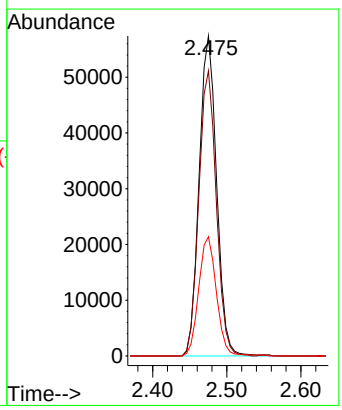
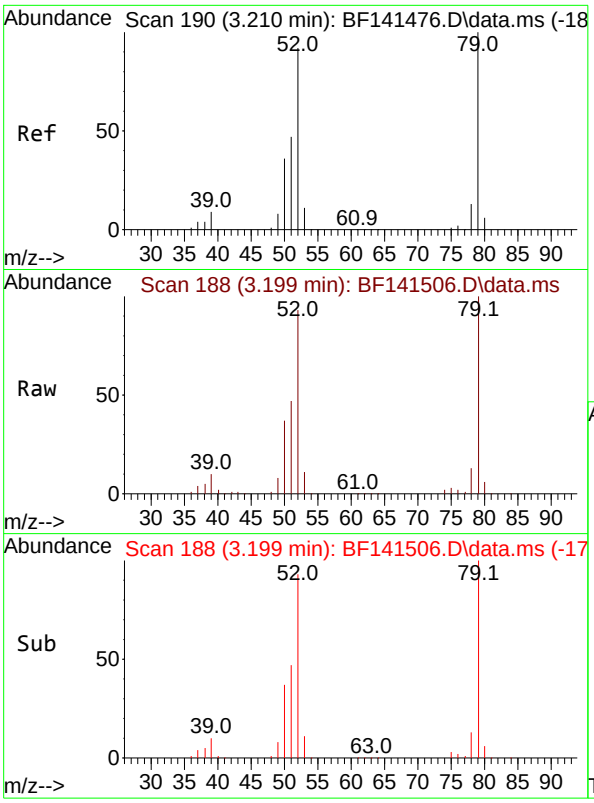


#2
1,4-Dioxane
Concen: 39.852 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 88 Resp: 94001

Ion	Ratio	Lower	Upper
88	100		
58	89.1	71.1	106.7
43	37.9	30.6	46.0

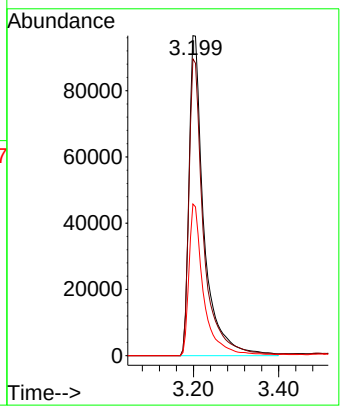




#3
Pyridine
Concen: 41.842 ng
RT: 3.199 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 79 Resp: 23486

Ion	Ratio	Lower	Upper
79	100		
52	92.8	73.7	110.5
51	47.4	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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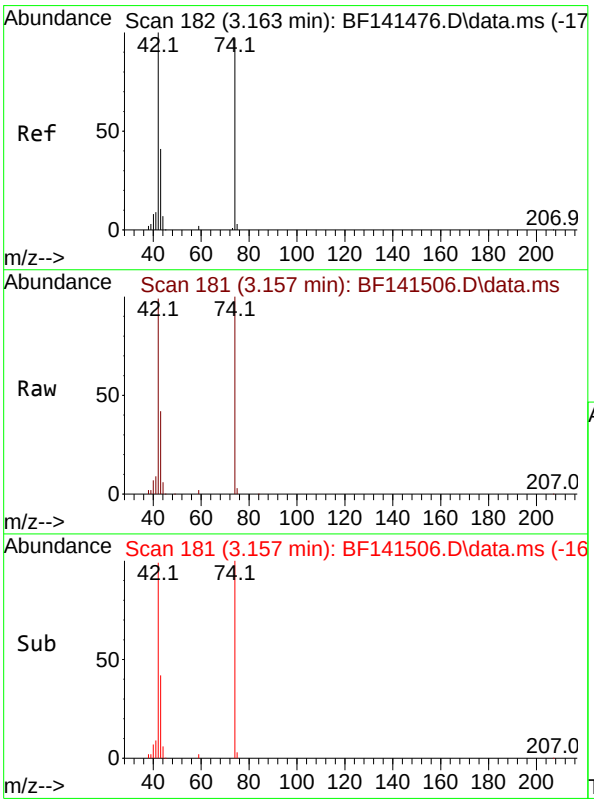
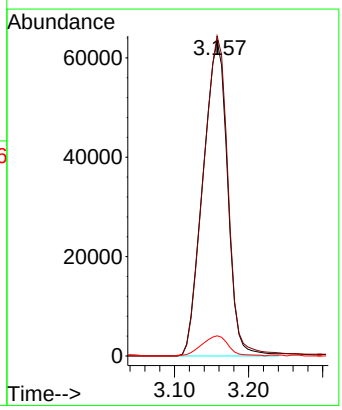
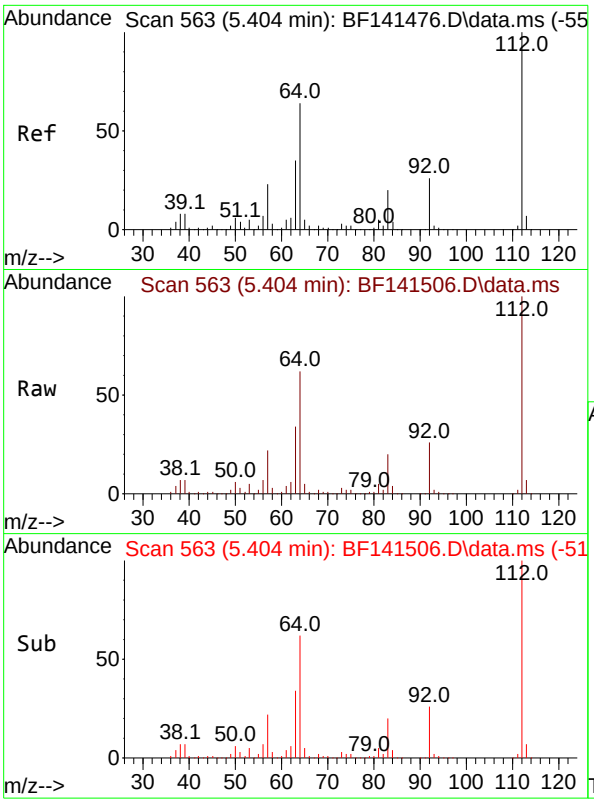


#4
n-Nitrosodimethylamine
Concen: 39.505 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 42 Resp: 146825

Ion	Ratio	Lower	Upper
42	100		
74	101.5	78.0	117.0
44	6.4	5.4	8.2

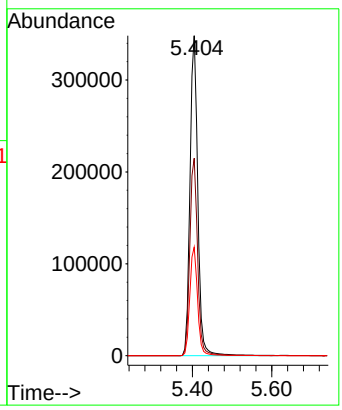




#5
2-Fluorophenol
Concen: 81.160 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:112 Resp: 47565

Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.1	76.7
63	33.9	28.4	42.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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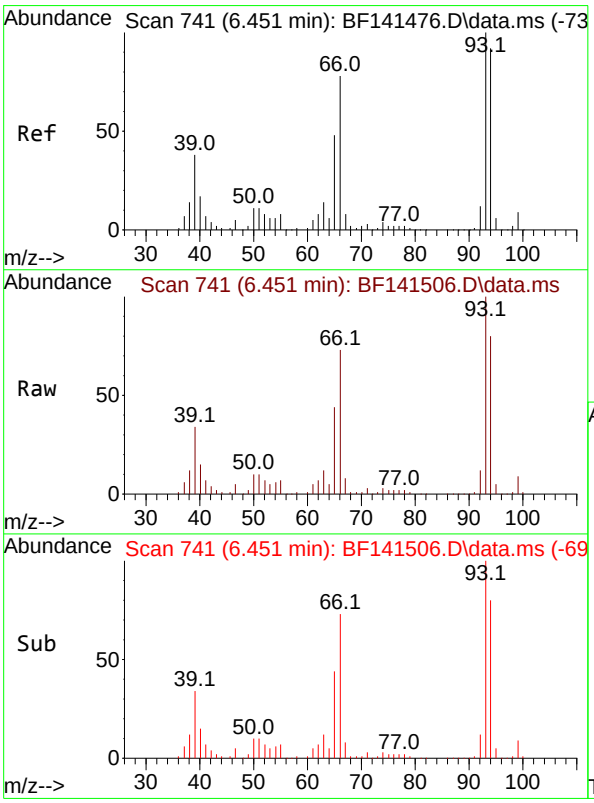
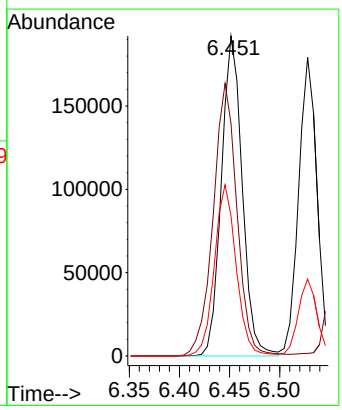
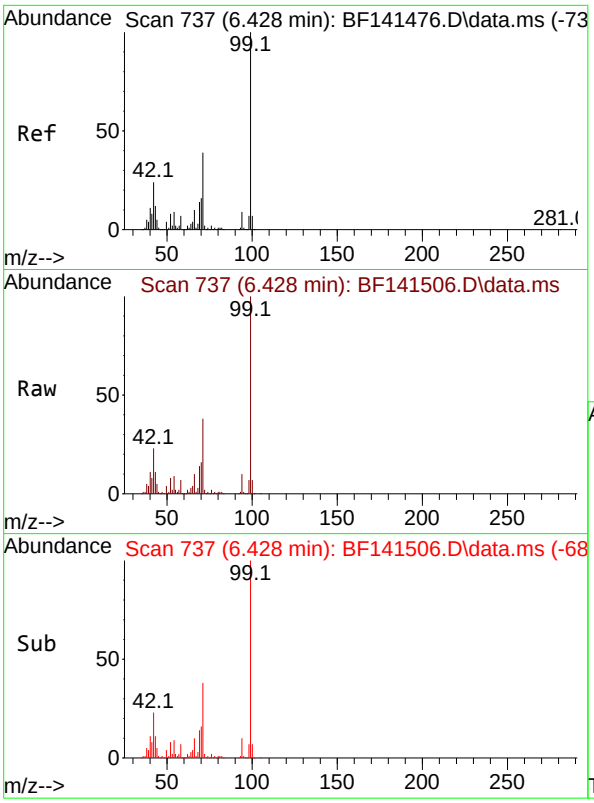


#6
Aniline
Concen: 39.807 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 93 Resp: 276601

Ion	Ratio	Lower	Upper
93	100		
66	72.6	62.6	94.0
65	43.8	38.3	57.5





#7
Phenol-d6
Concen: 79.333 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 99 Resp: 58764

Ion	Ratio	Lower	Upper
99	100		
42	23.1	19.1	28.7
71	38.1	31.1	46.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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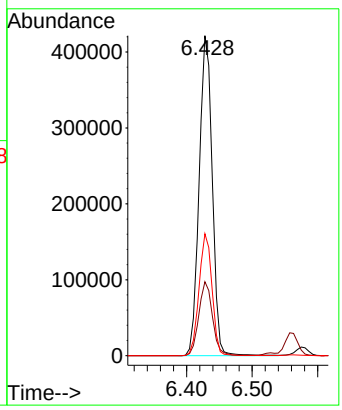
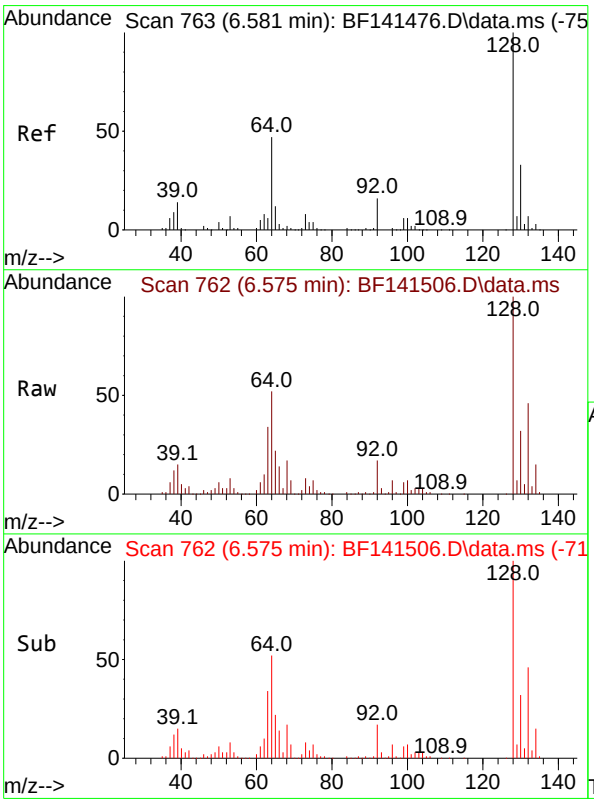
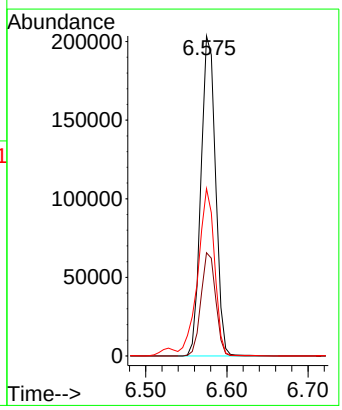


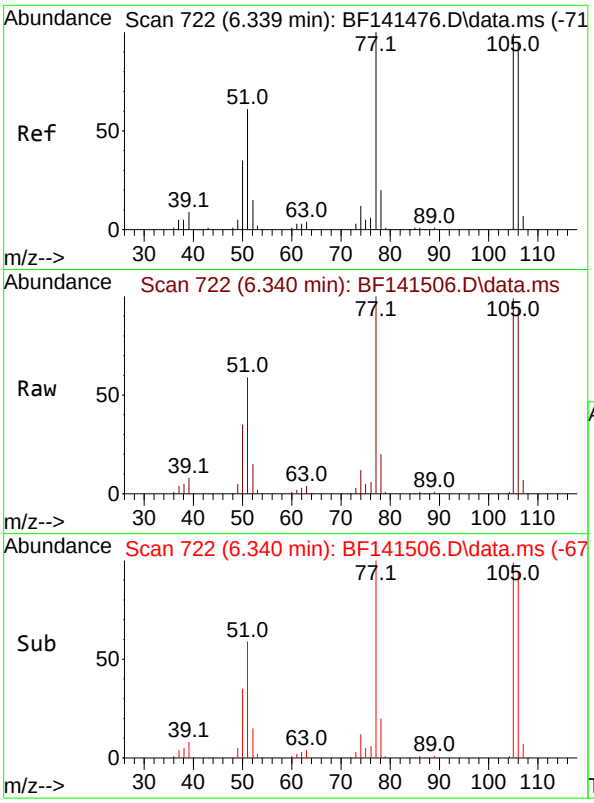


#8
2-Chlorophenol
Concen: 40.121 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:128 Resp: 254071

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.7	52.7
64	52.3	28.3	68.3

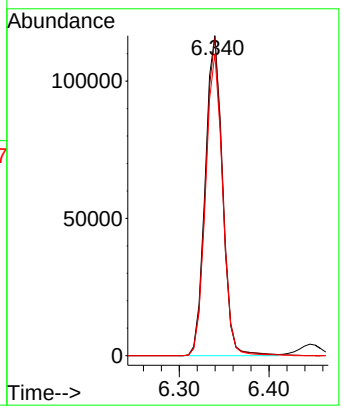




#9
Benzaldehyde
Concen: 39.396 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 77 Resp: 15507

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.4	119.4
106	94.3	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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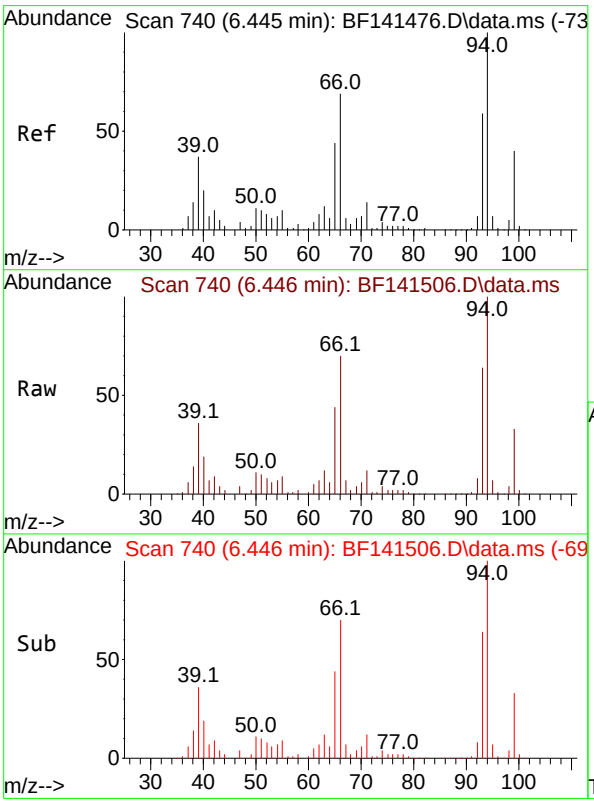
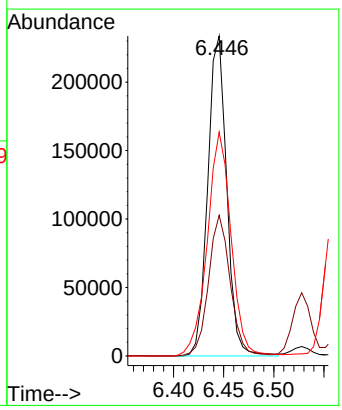
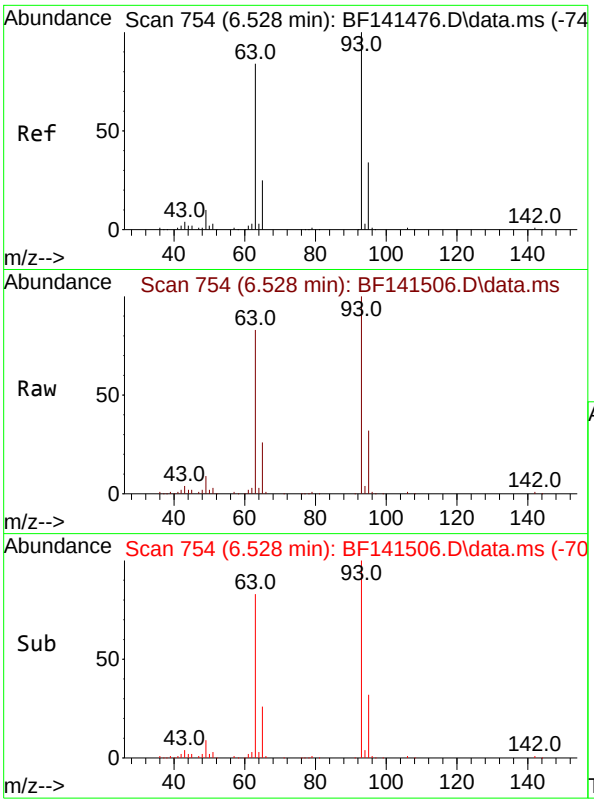


#10
Phenol
Concen: 39.942 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 94 Resp: 307937

Ion	Ratio	Lower	Upper
94	100		
65	44.0	23.7	63.7
66	70.0	49.3	89.3

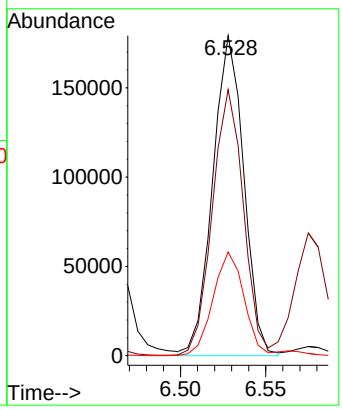




#11
bis(2-Chloroethyl)ether
Concen: 39.239 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 93 Resp: 22722

Ion	Ratio	Lower	Upper
93	100		
63	83.1	62.0	102.0
95	32.4	12.6	52.6



Instrument :
BNA_F
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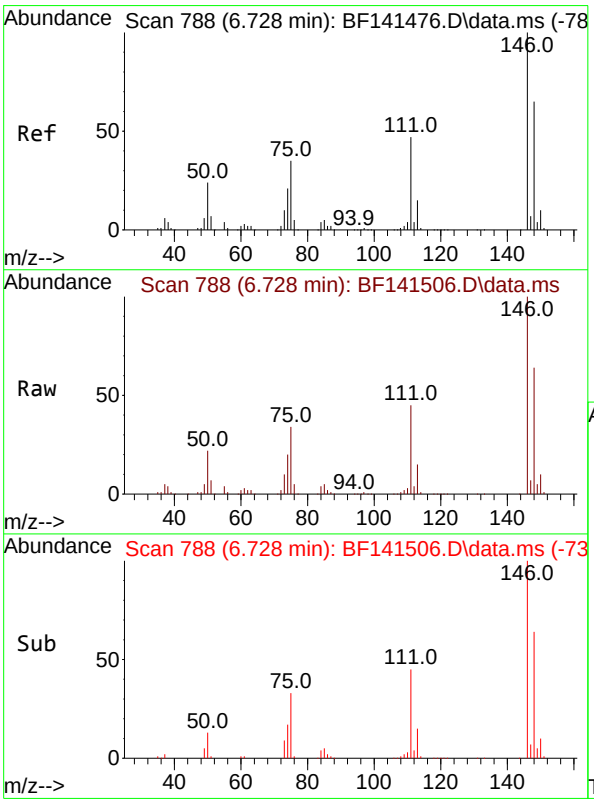
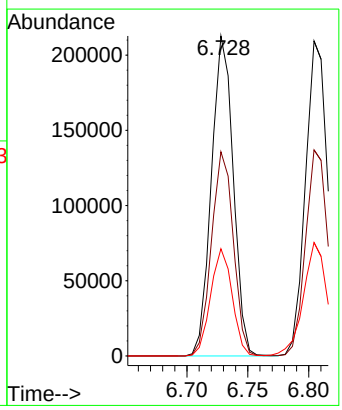
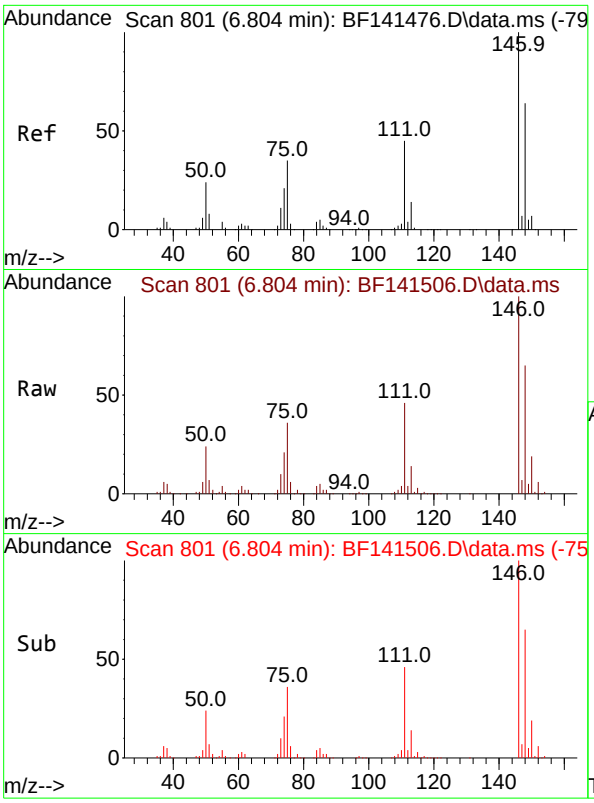


#12
1,3-Dichlorobenzene
Concen: 39.713 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:146 Resp: 265506

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.9	77.9
75	33.5	28.2	42.2

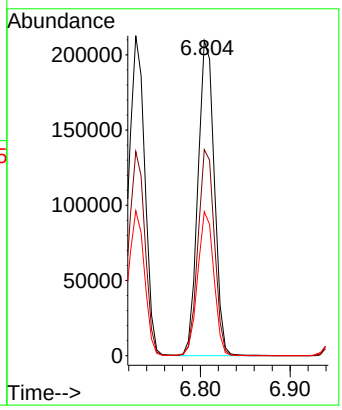




#13
1,4-Dichlorobenzene
Concen: 38.847 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:146 Resp: 26535

Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.9	76.3
111	45.7	35.9	53.9



Instrument :
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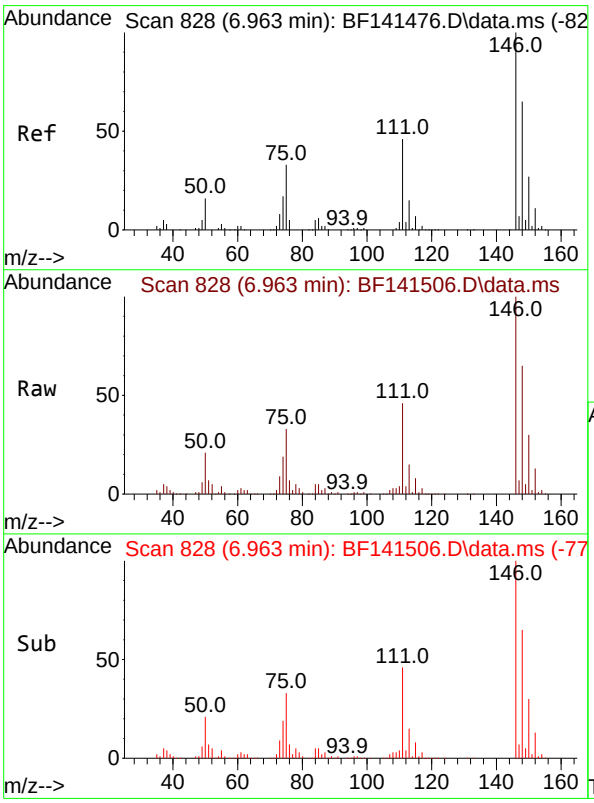
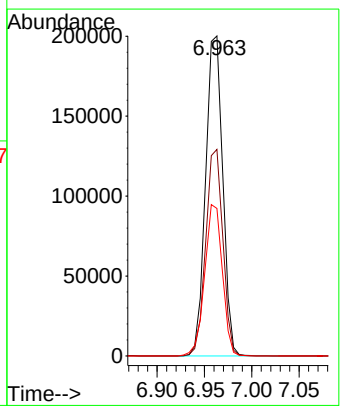
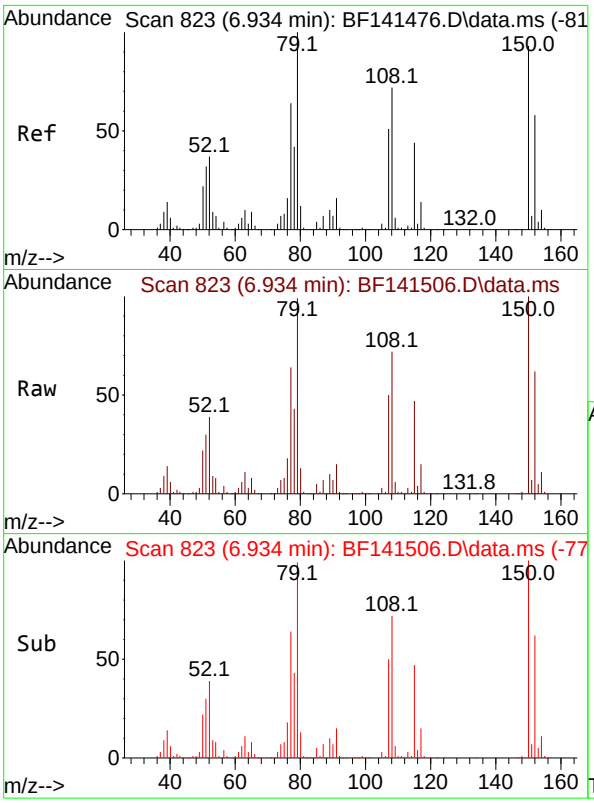


#14
1,2-Dichlorobenzene
Concen: 39.770 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:146 Resp: 252127

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
111	46.1	37.0	55.4





#15
Benzyl Alcohol
Concen: 39.069 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 79 Resp: 22192

Ion	Ratio	Lower	Upper
79	100		
108	72.8	57.4	86.2
77	64.3	50.9	76.3

Instrument :
BNA_F
ClientSampleId :
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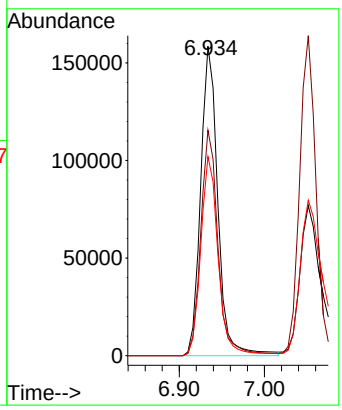
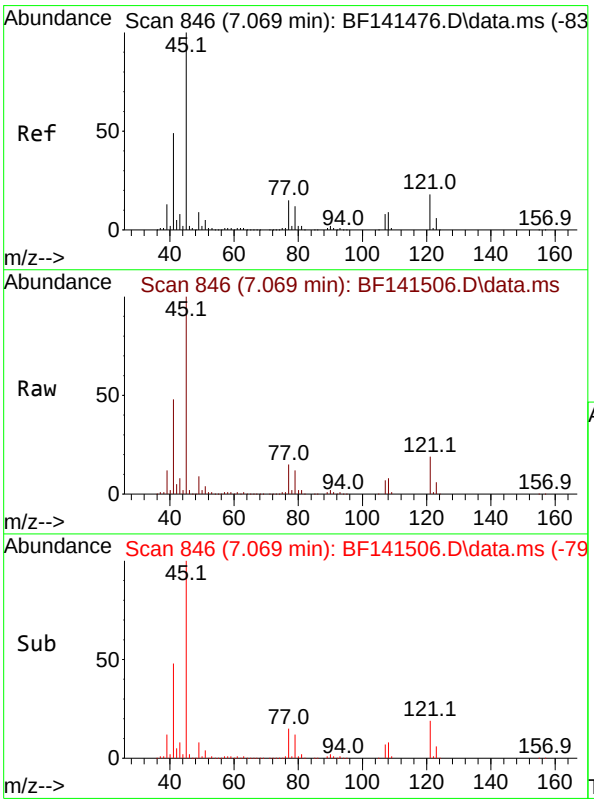
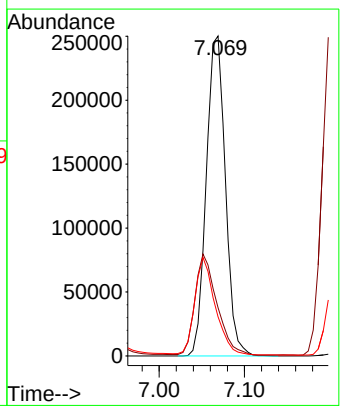


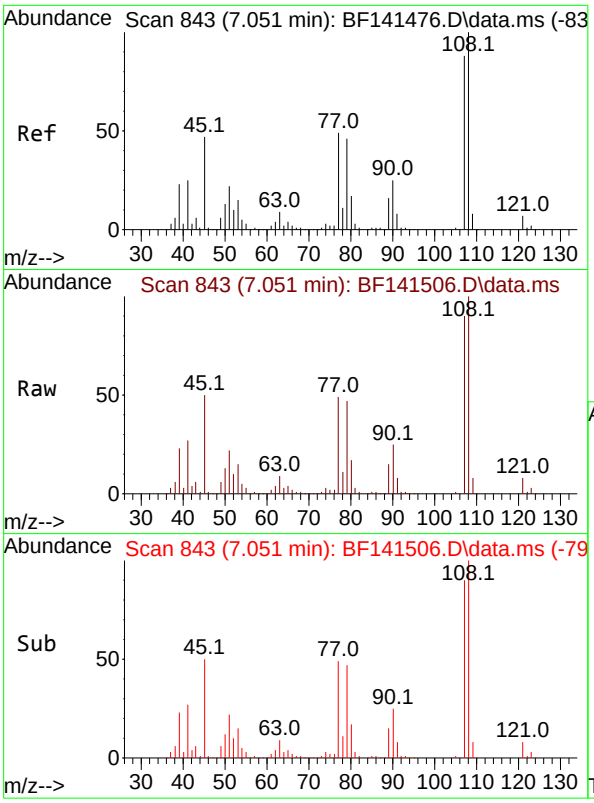


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.320 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 45 Resp: 389773

Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	35.8
79	12.2	0.0	32.7

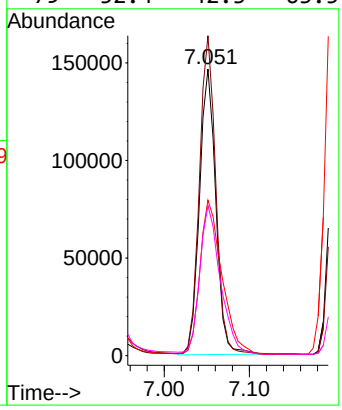




#17
2-Methylphenol
Concen: 39.445 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:107 Resp: 19547

Ion	Ratio	Lower	Upper
107	100		
108	111.7	90.6	136.0
77	54.3	44.4	66.6
79	52.4	42.3	63.5



Instrument :
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ClientSampleId :
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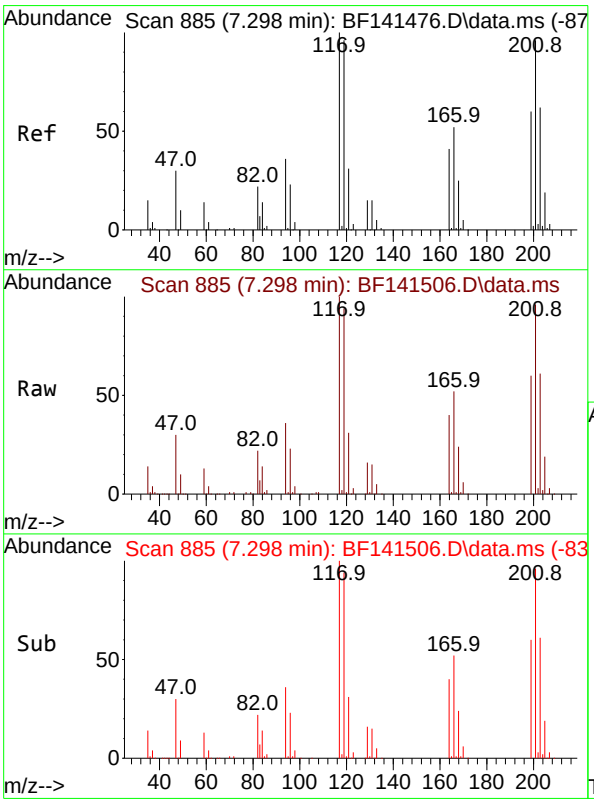
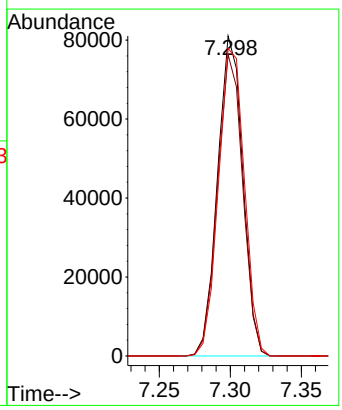
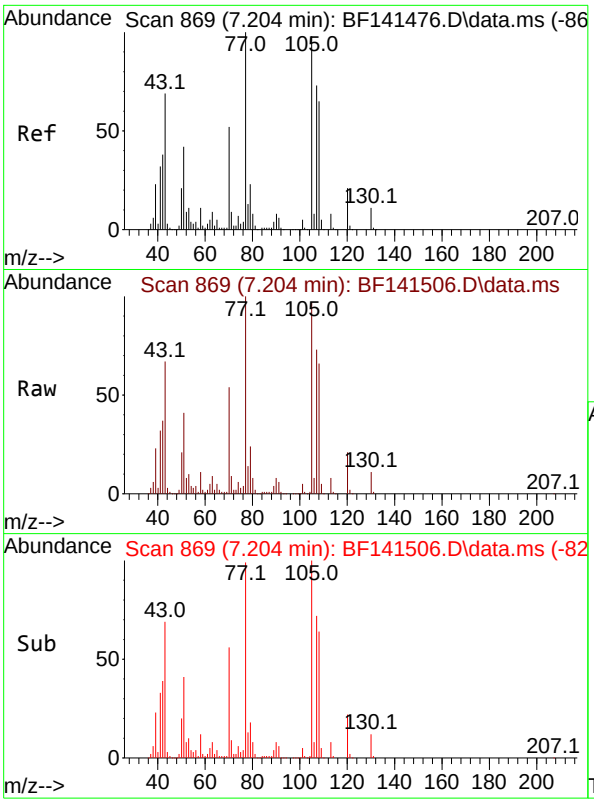


#18
Hexachloroethane
Concen: 39.613 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:117 Resp: 100140

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.5	114.7
201	96.1	76.7	115.1

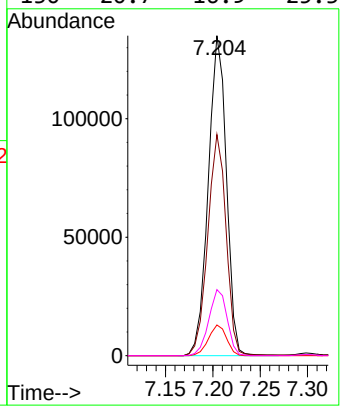




#19
n-Nitroso-di-n-propylamine
Concen: 40.556 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 70 Resp: 17969

Ion	Ratio	Lower	Upper
70	100		
42	69.1	57.4	86.2
101	9.6	8.0	12.0
130	20.7	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
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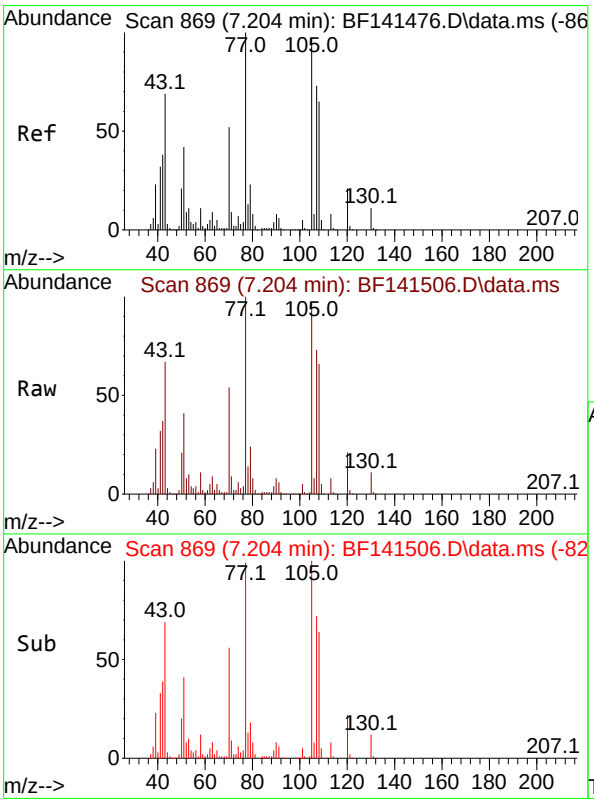
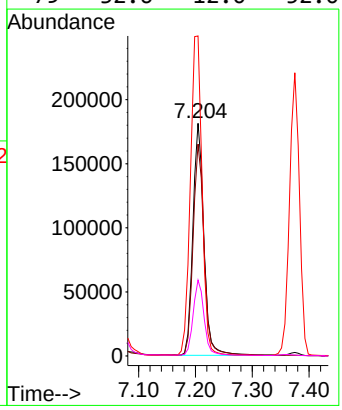
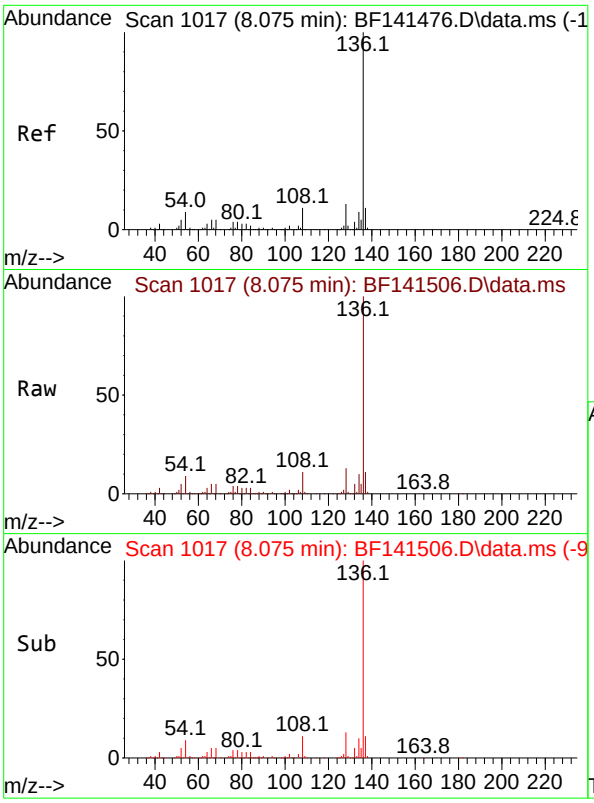


#20
3+4-Methylphenols
Concen: 38.777 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:107 Resp: 244214

Ion	Ratio	Lower	Upper
107	100		
108	91.0	68.5	108.5
77	137.5	116.5	156.5
79	32.6	12.0	52.0

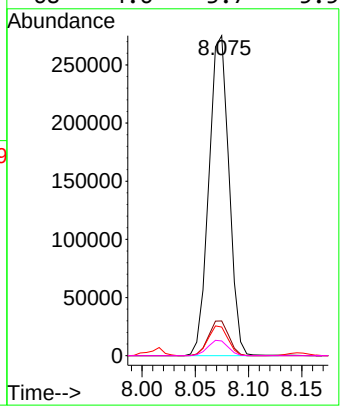




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:136 Resp: 36029

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.0	7.2	10.8
68	4.6	3.7	5.5



Instrument :
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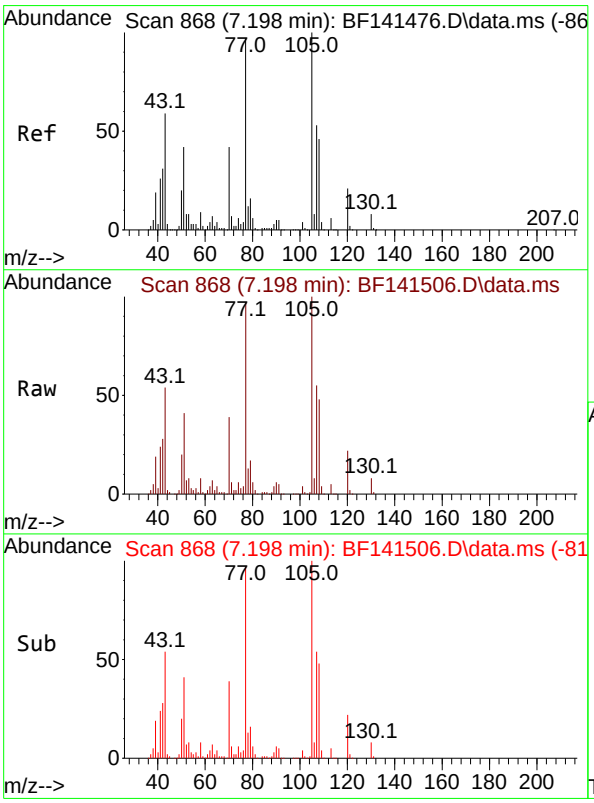
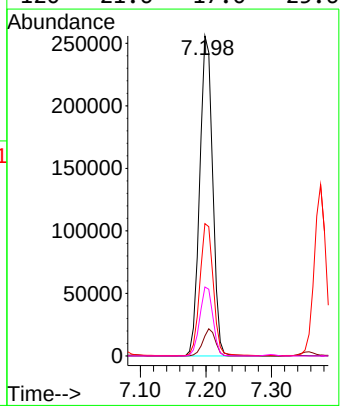
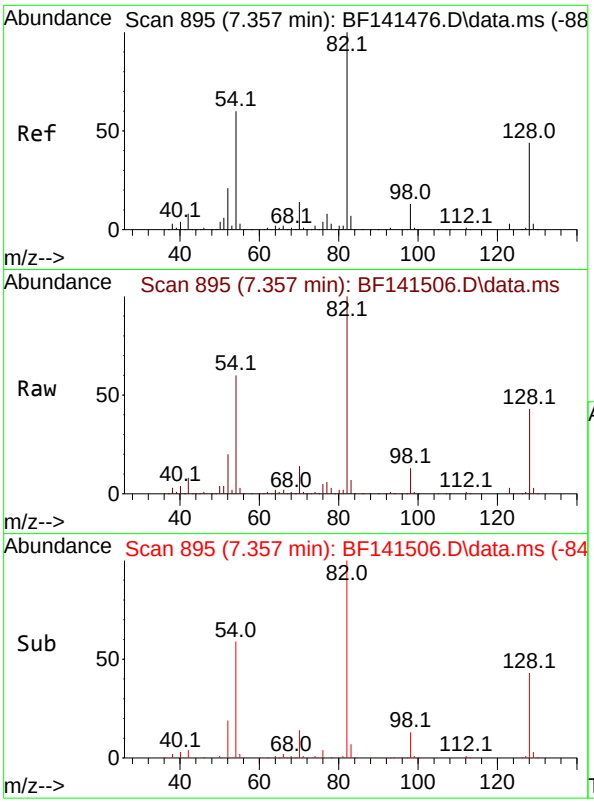


#22
Acetophenone
Concen: 39.294 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:105 Resp: 352167

Ion	Ratio	Lower	Upper
105	100		
71	6.3	5.7	8.5
51	41.3	33.7	50.5
120	21.6	17.0	25.6





#23
Nitrobenzene-d5
Concen: 80.140 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 82 Resp: 55357

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.8	52.2
54	59.7	48.2	72.4

Instrument :
BNA_F
ClientSampleId :
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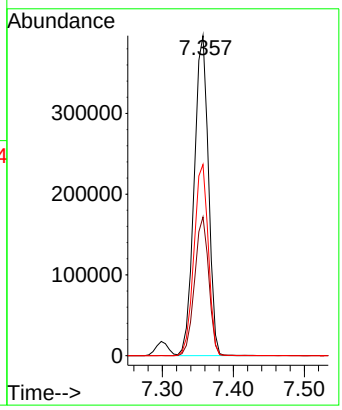
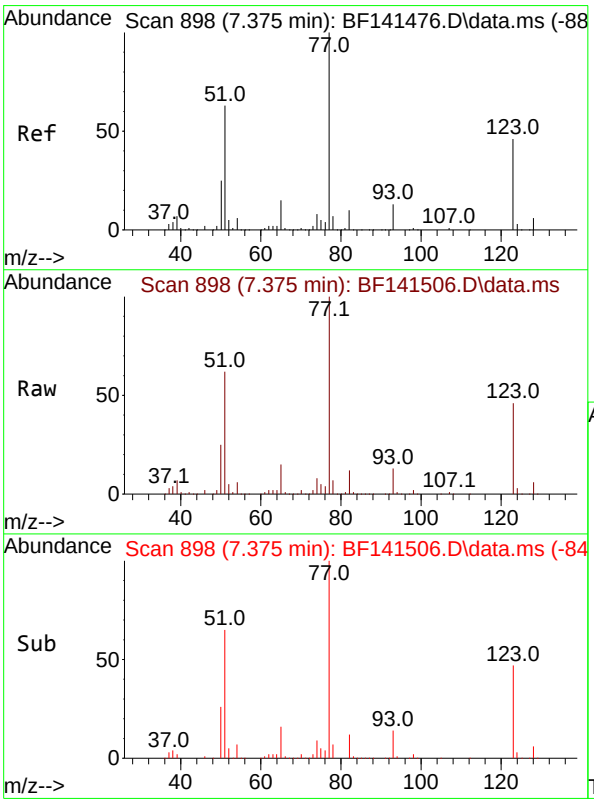
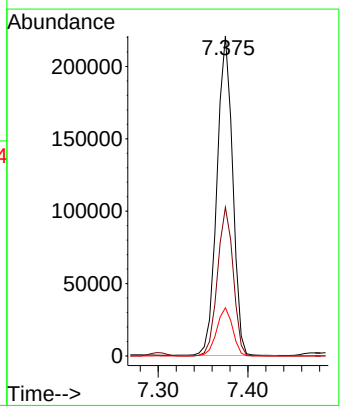


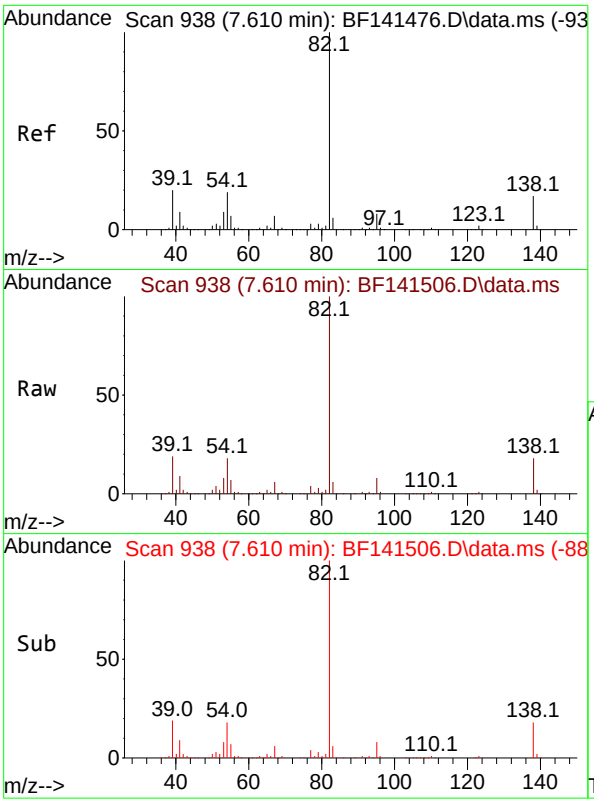


#24
Nitrobenzene
Concen: 39.825 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 77 Resp: 268254

Ion	Ratio	Lower	Upper
77	100		
123	46.4	36.9	55.3
65	15.0	11.9	17.9

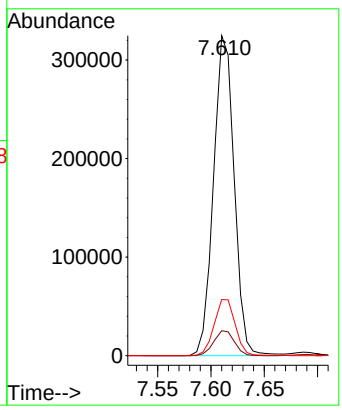




#25
Isophorone
Concen: 39.733 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 82 Resp: 43762

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.5	13.9	20.9



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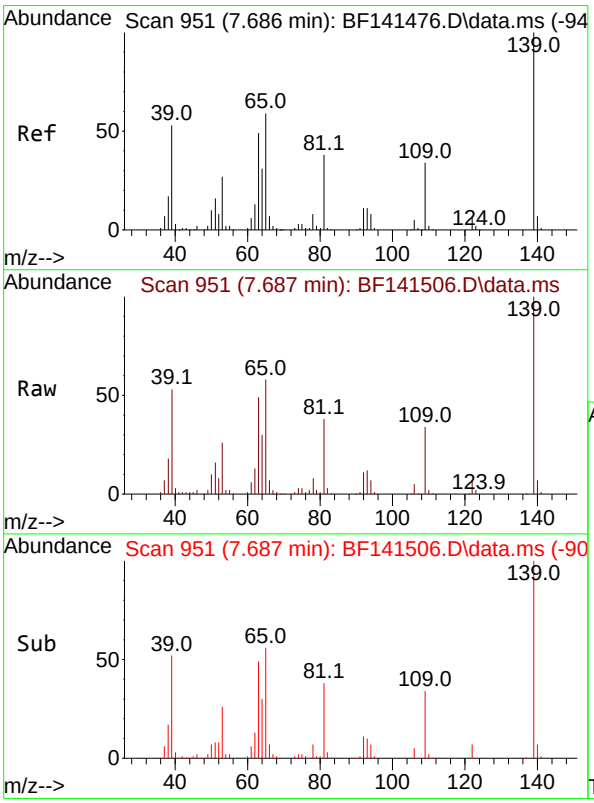
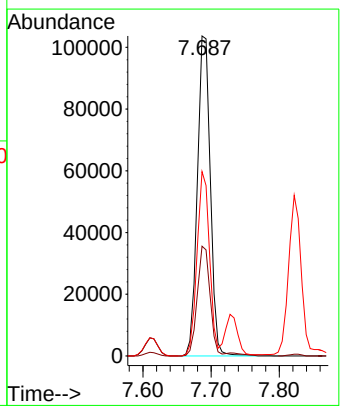
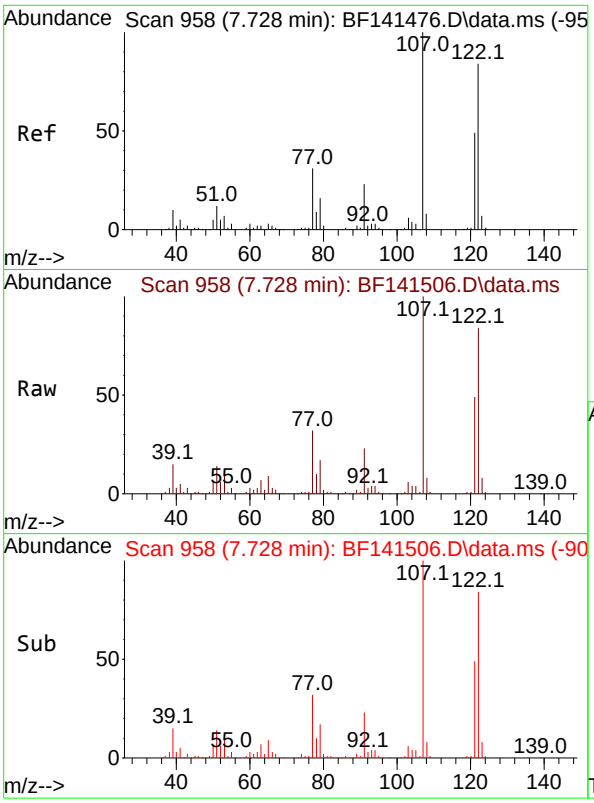


#26
2-Nitrophenol
Concen: 41.014 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:139 Resp: 137445

Ion	Ratio	Lower	Upper
139	100		
109	34.3	27.0	40.6
65	57.6	47.1	70.7

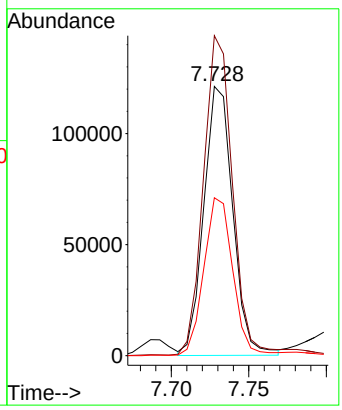




#27
2,4-Dimethylphenol
Concen: 40.362 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:122 Resp: 15801

Ion	Ratio	Lower	Upper
122	100		
107	118.8	94.3	141.5
121	58.6	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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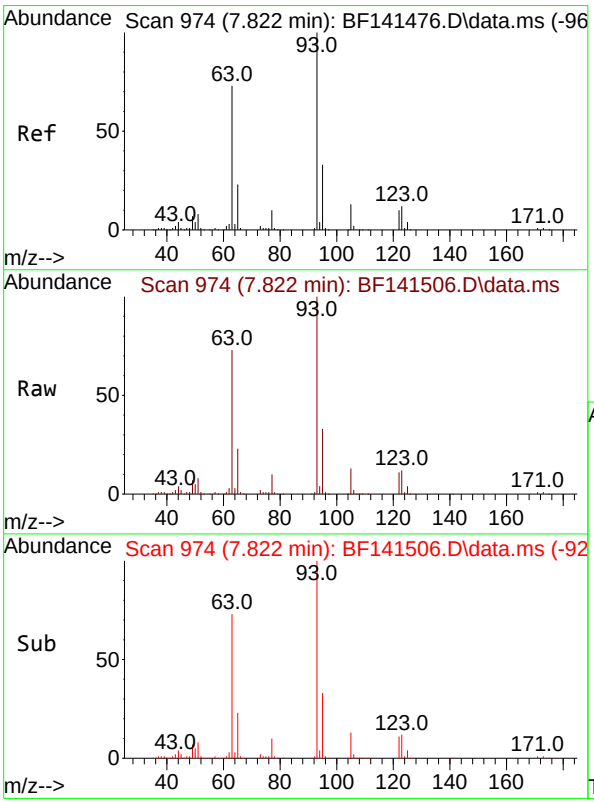
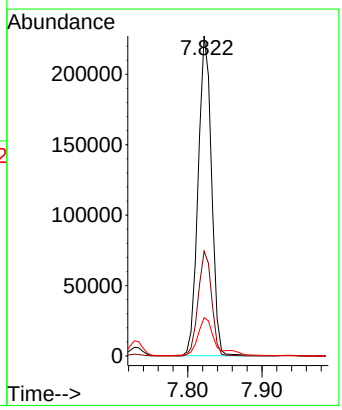
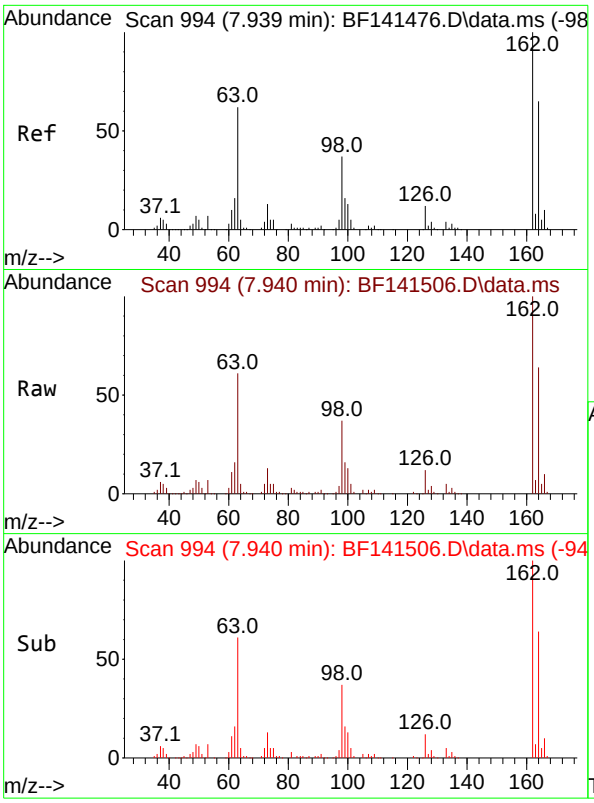


#28
bis(2-Chloroethoxy)methane
Concen: 40.398 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 93 Resp: 285112

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	12.0	9.5	14.3

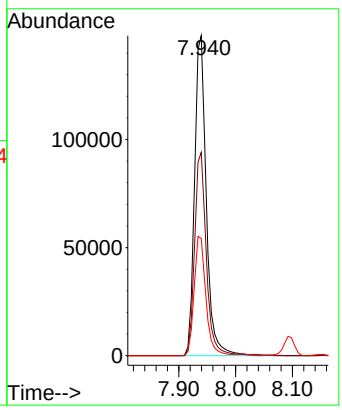




#29
2,4-Dichlorophenol
Concen: 40.337 ng
RT: 7.940 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:162 Resp: 21336

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.6	84.6
98	36.7	17.2	57.2



Instrument :
BNA_F
ClientSampleId :
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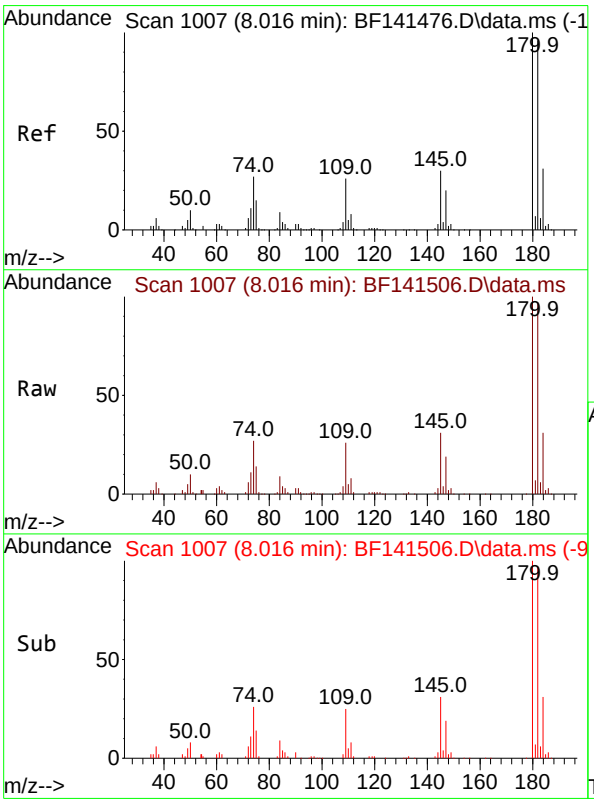
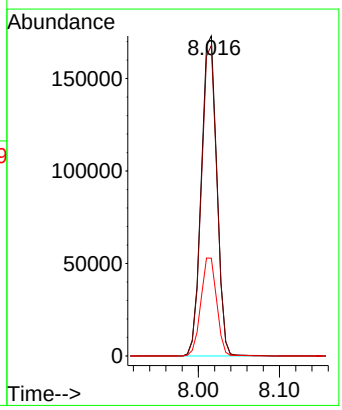
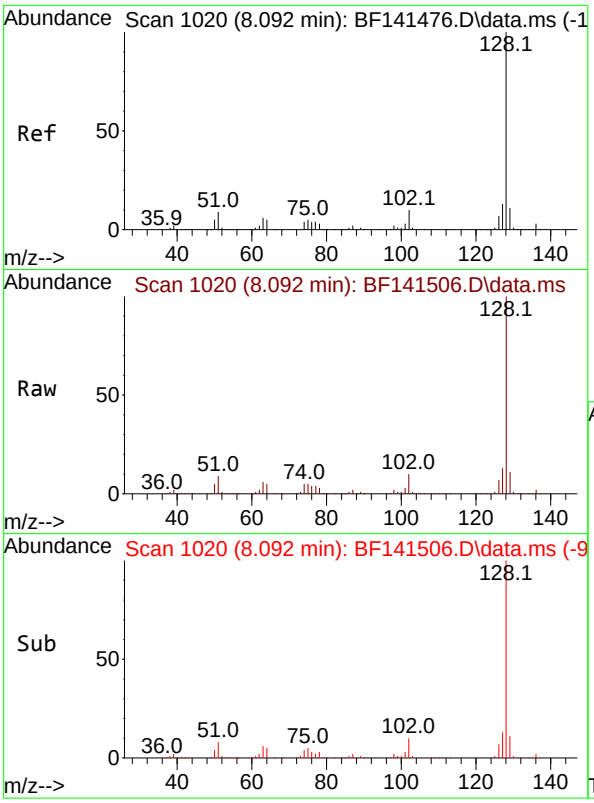


#30
1,2,4-Trichlorobenzene
Concen: 39.869 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:180 Resp: 229655

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.8	115.2
145	30.5	24.2	36.4

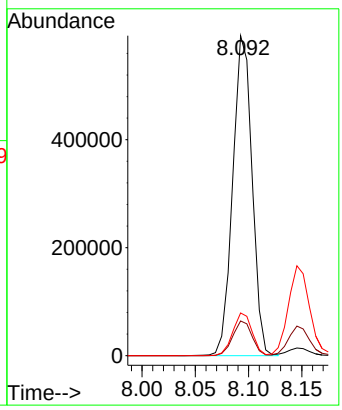




#31
Naphthalene
Concen: 39.968 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:128 Resp: 74958

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.4	10.7	16.1



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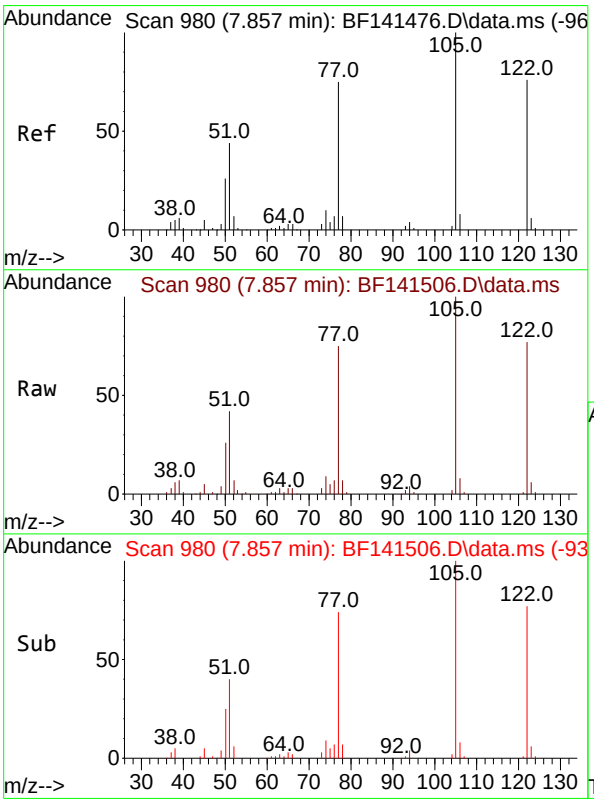
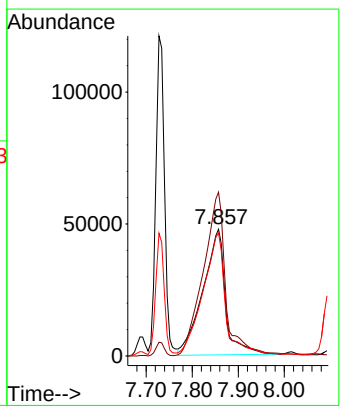
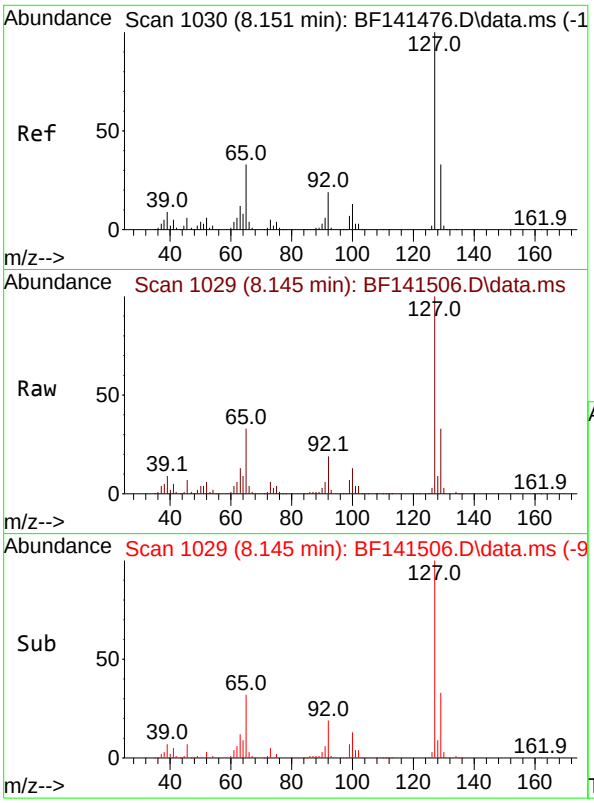


#32
Benzoic acid
Concen: 40.092 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:122 Resp: 163033

Ion	Ratio	Lower	Upper
122	100		
105	129.3	106.5	146.5
77	97.1	76.3	116.3

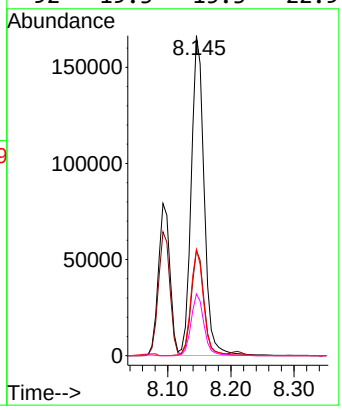




#33
4-Chloroaniline
Concen: 35.960 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:127 Resp: 23546

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.5	39.7
65	33.2	26.4	39.6
92	19.3	15.3	22.9



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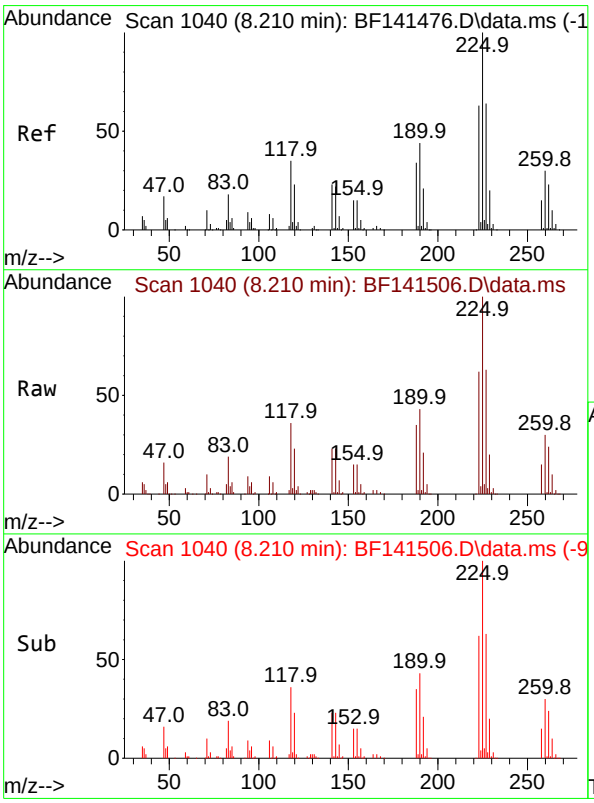
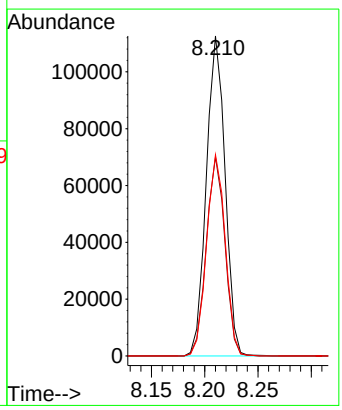
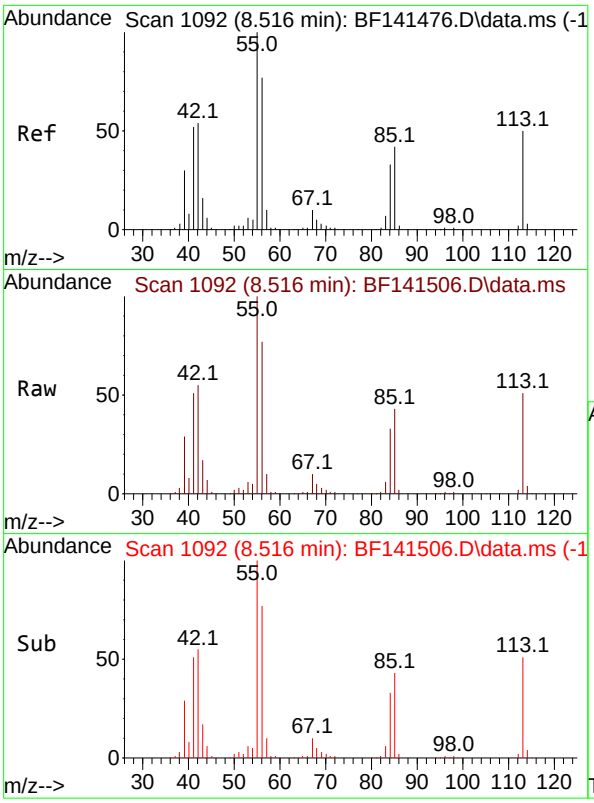


#34
Hexachlorobutadiene
Concen: 39.845 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:225 Resp: 137788

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.1	75.1
227	62.9	51.0	76.6





#35
Caprolactam
Concen: 41.746 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:113 Resp: 6723

Ion	Ratio	Lower	Upper
113	100		
55	195.1	180.8	220.8
56	150.6	133.6	173.6

Instrument :
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ClientSampleId :
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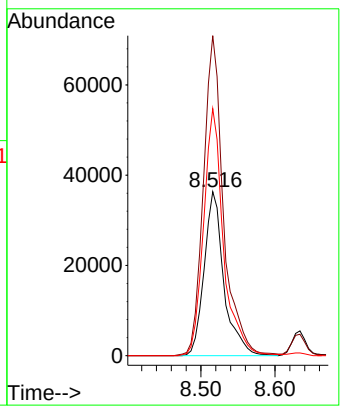
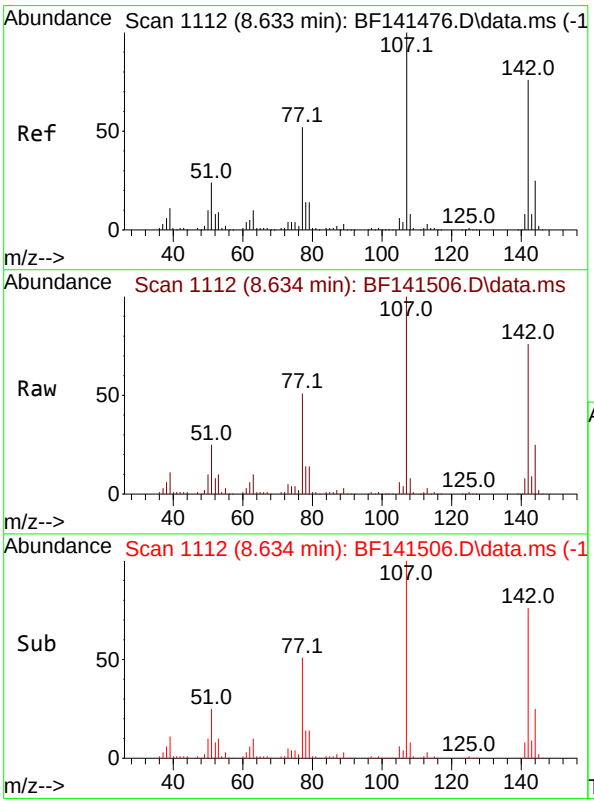
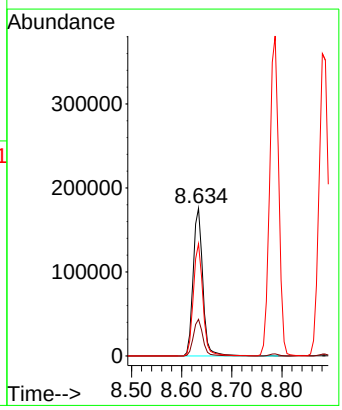


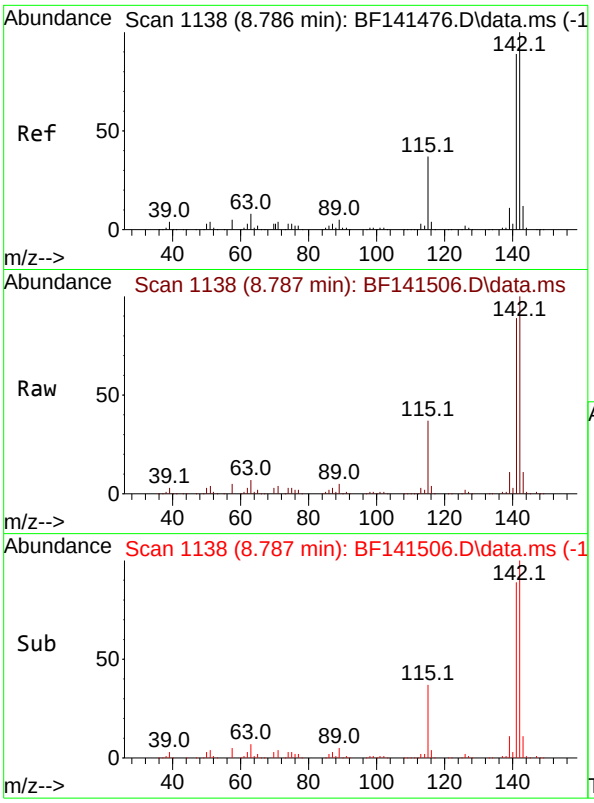


#36
4-Chloro-3-methylphenol
Concen: 40.105 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:107 Resp: 234989

Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.7	29.5
142	76.0	60.8	91.2

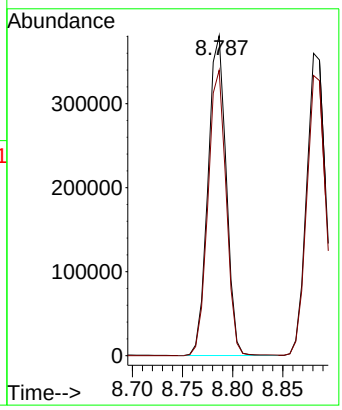




#37
2-Methylnaphthalene
Concen: 39.430 ng
RT: 8.787 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:142 Resp: 48120

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8



Instrument :
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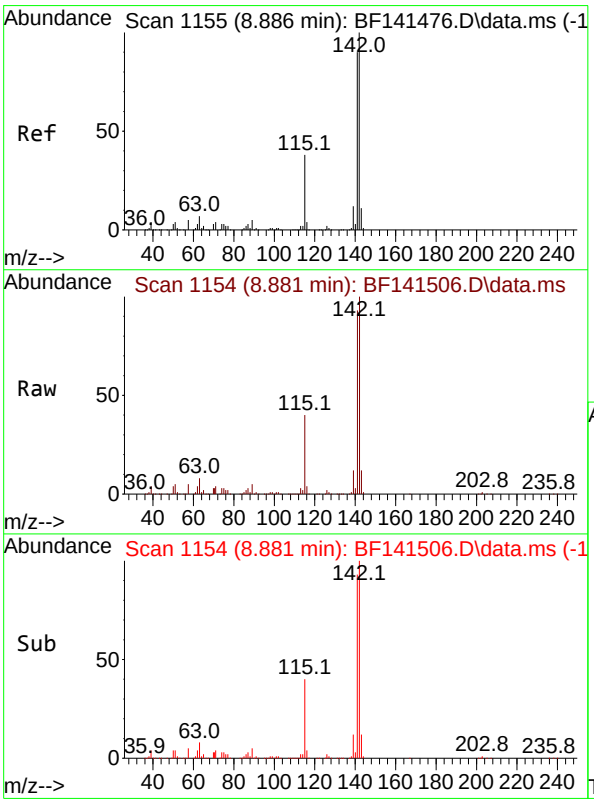
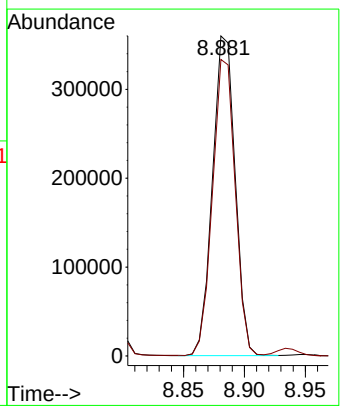
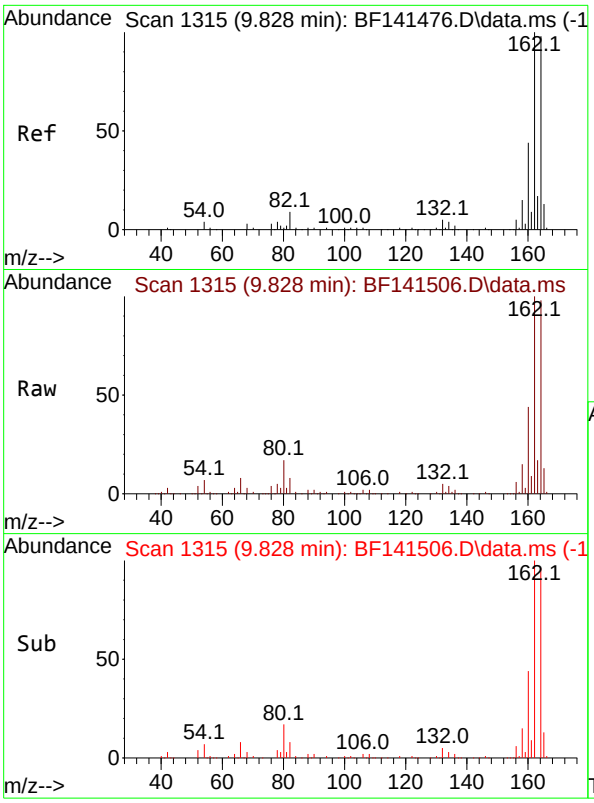


#38
1-Methylnaphthalene
Concen: 39.416 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:142 Resp: 465894

Ion	Ratio	Lower	Upper
142	100		
141	92.6	72.1	108.1

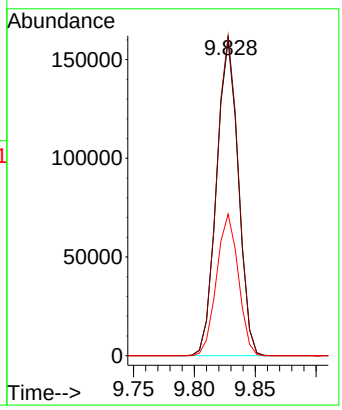




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:164 Resp: 19834

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	45.0	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
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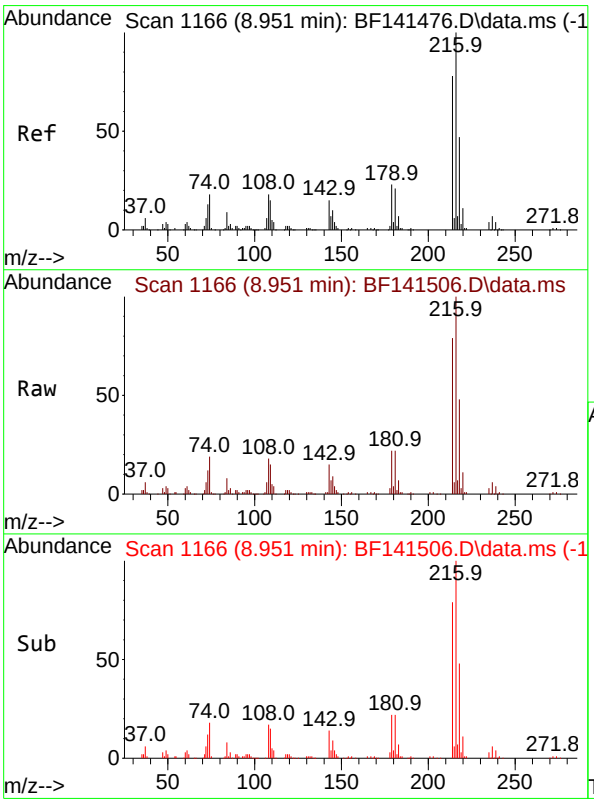
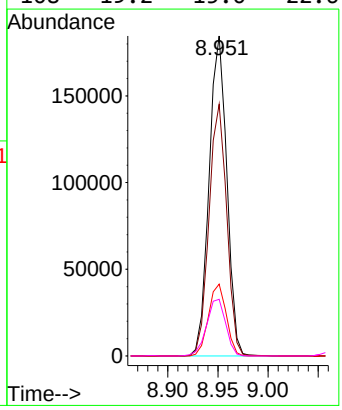
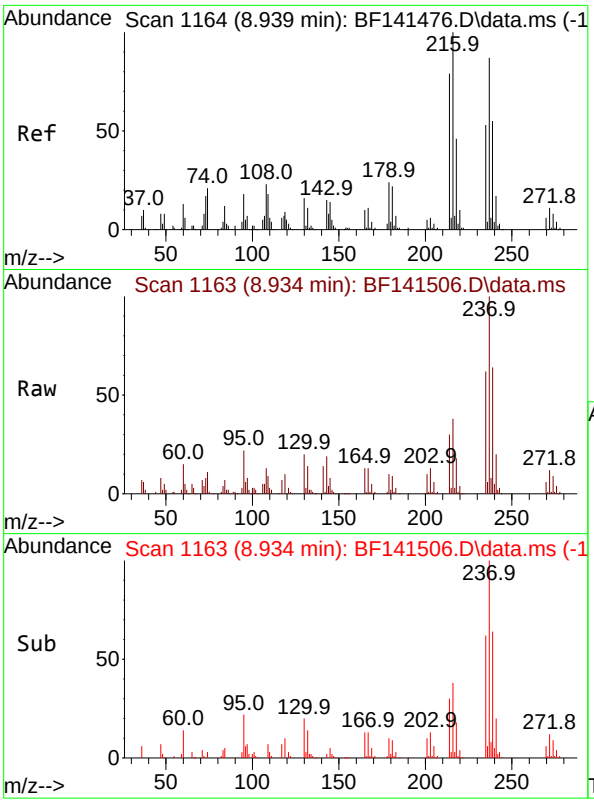


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.480 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:216 Resp: 226553

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.3	93.5
179	22.6	18.0	27.0
108	19.2	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 40.055 ng
RT: 8.934 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:237 Resp: 7645

Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.4	81.4
272	11.9	0.0	32.4

Instrument :
BNA_F
ClientSampleId :
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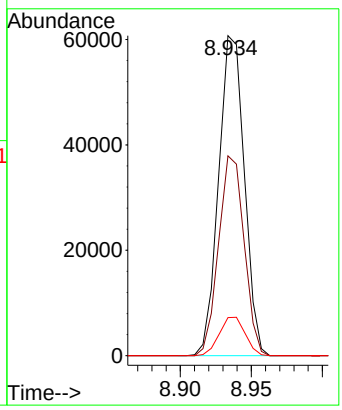
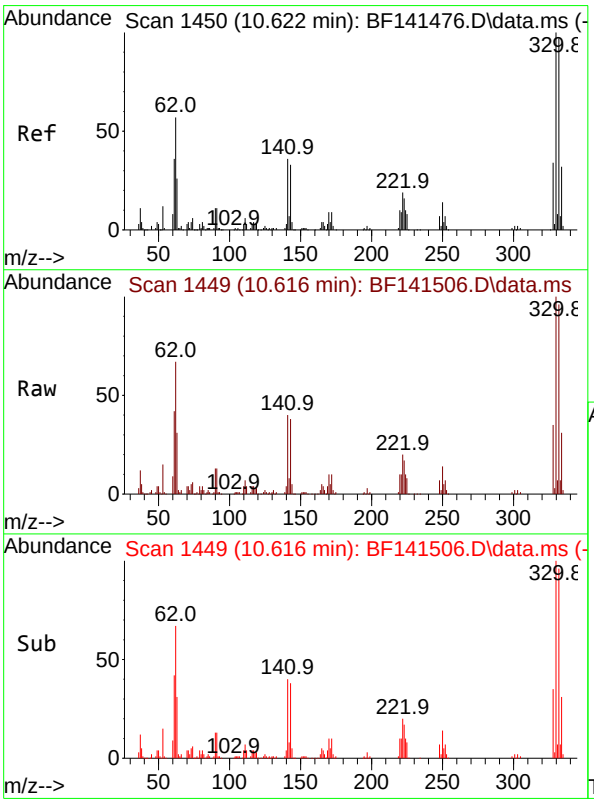
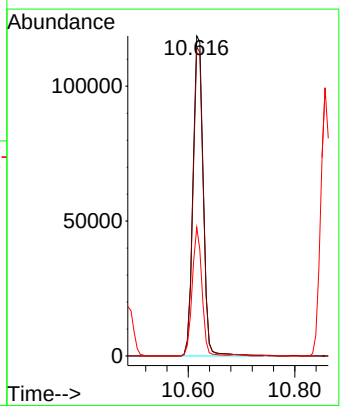


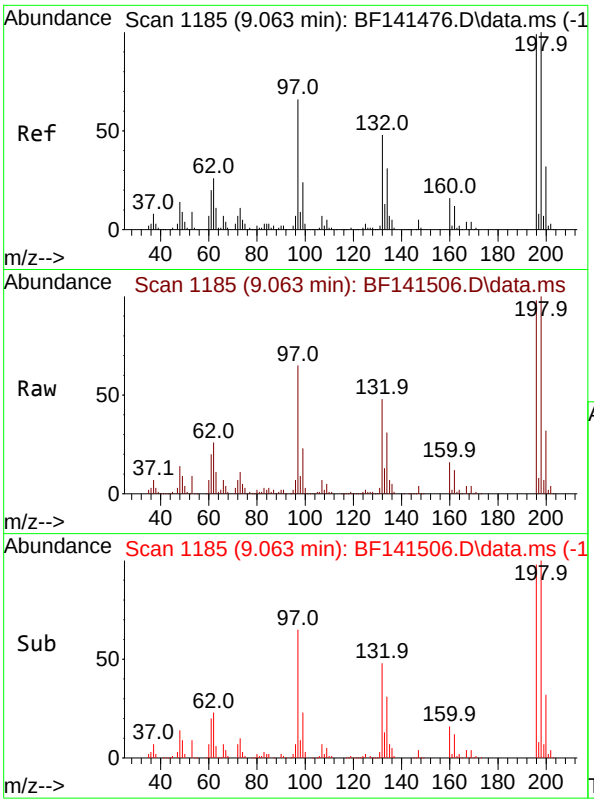


#42
2,4,6-Tribromophenol
Concen: 79.512 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:330 Resp: 158428

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.5	117.7
141	37.9	31.0	46.4

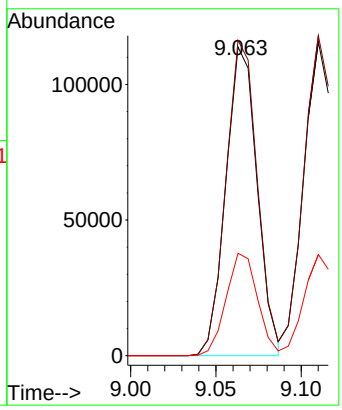




#43
2,4,6-Trichlorophenol
Concen: 39.310 ng
RT: 9.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:196 Resp: 14579

Ion	Ratio	Lower	Upper
196	100		
198	102.2	80.6	121.0
200	33.2	25.5	38.3



Instrument :
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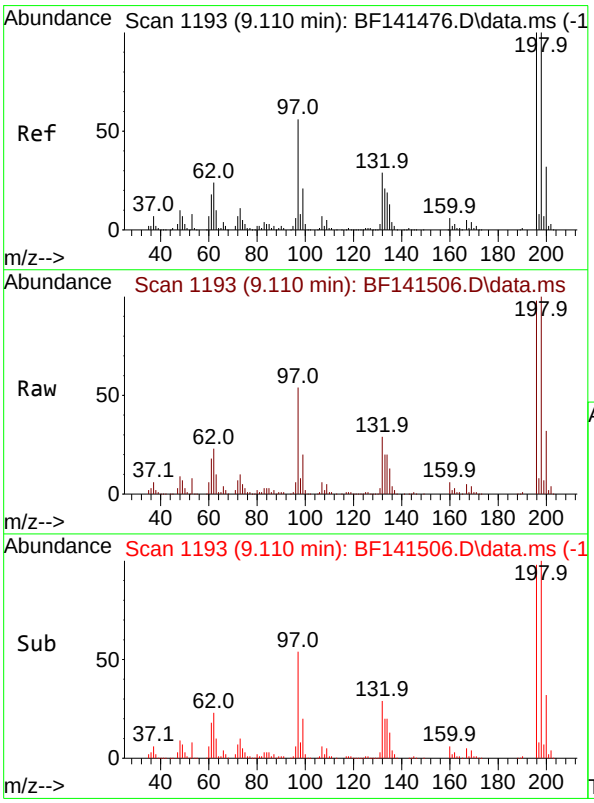
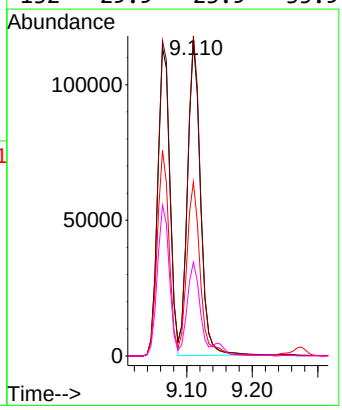
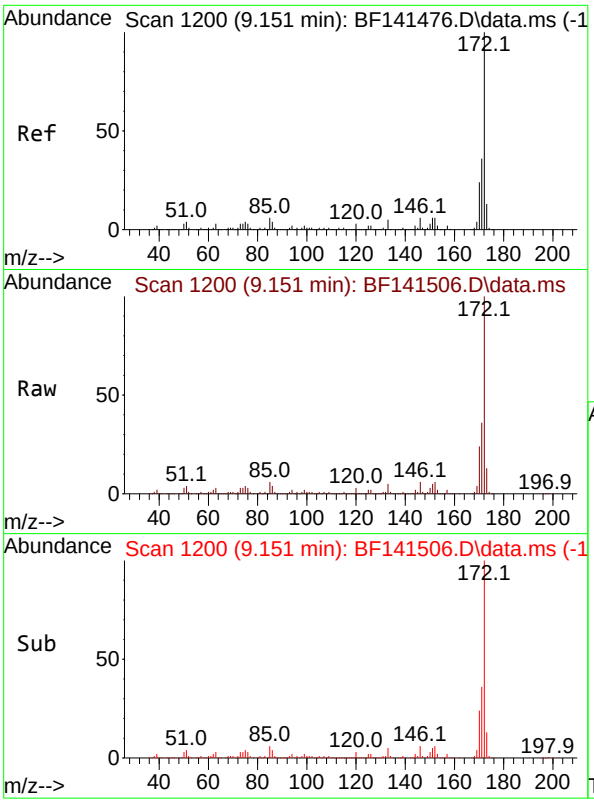


#44
2,4,5-Trichlorophenol
Concen: 39.352 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:196 Resp: 158176

Ion	Ratio	Lower	Upper
196	100		
198	102.0	79.8	119.8
97	55.4	44.8	67.2
132	29.9	23.9	35.9

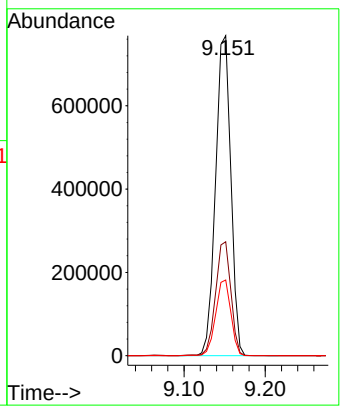




#45
2-Fluorobiphenyl
Concen: 78.150 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:172 Resp: 100613

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.7	18.9	28.3



Instrument :
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ClientSampleId :
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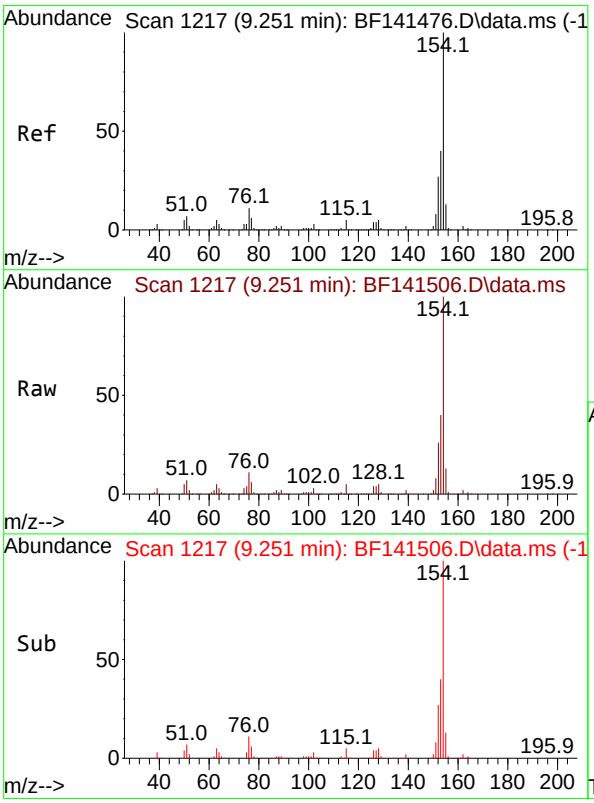
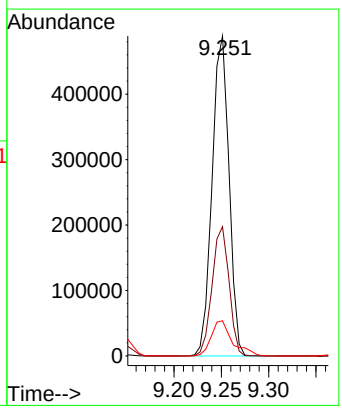
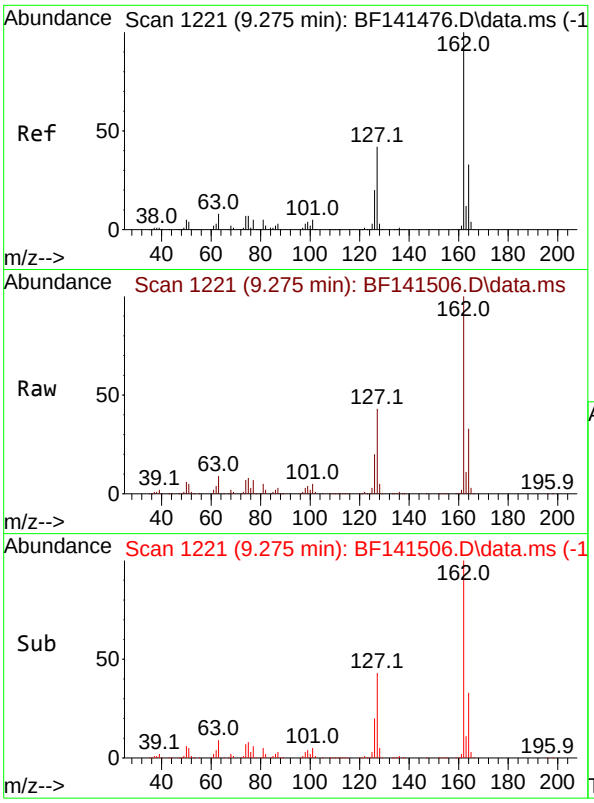


#46
1,1'-Biphenyl
Concen: 39.417 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:154 Resp: 606143

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	11.0	0.0	30.8

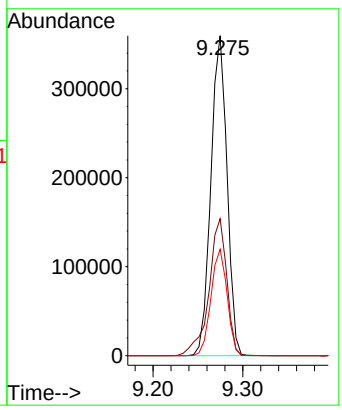




#47
2-Chloronaphthalene
Concen: 39.485 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:162 Resp: 44899

Ion	Ratio	Lower	Upper
162	100		
127	42.8	34.1	51.1
164	33.2	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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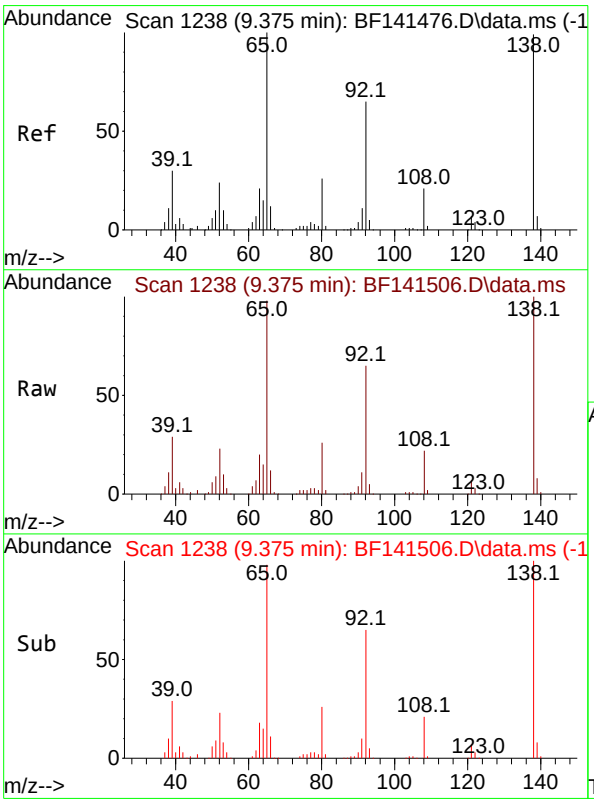
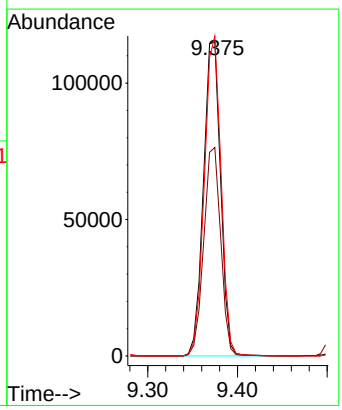
Supervised By :mohammad ahmed 02/12/2025

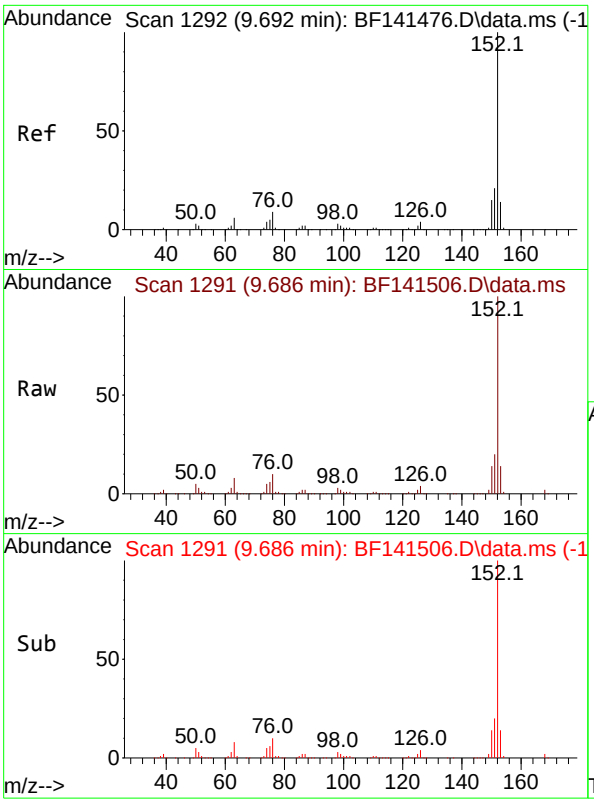


#48
2-Nitroaniline
Concen: 40.054 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion: 65 Resp: 152856

Ion	Ratio	Lower	Upper
65	100		
92	66.4	52.2	78.2
138	101.9	79.5	119.3





#49
Acenaphthylene
Concen: 39.800 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 67315

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.4	24.6
153	13.9	10.9	16.3

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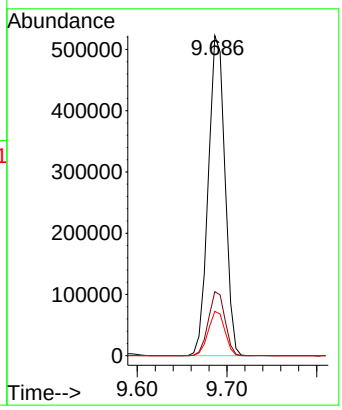
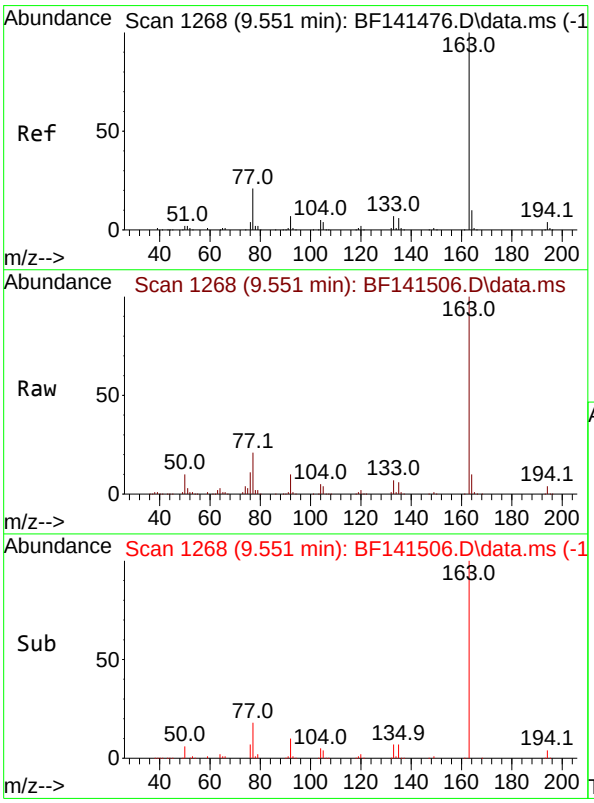
Supervised By :mohammad ahmed 02/12/2025

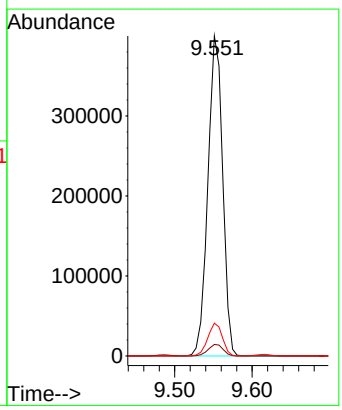


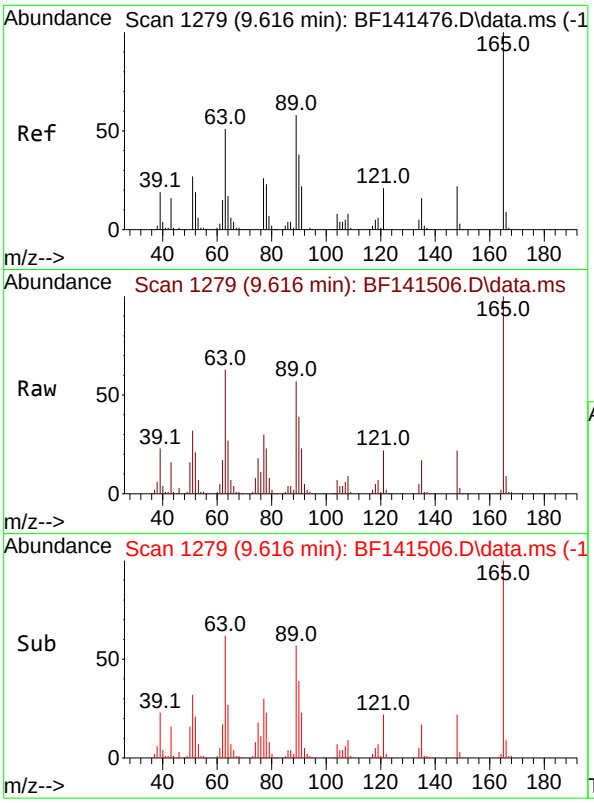


#50
Dimethylphthalate
Concen: 39.426 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:163 Resp: 530887

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.3	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 39.701 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:165 Resp: 11686

Ion	Ratio	Lower	Upper
165	100		
63	62.5	49.4	74.0
89	57.2	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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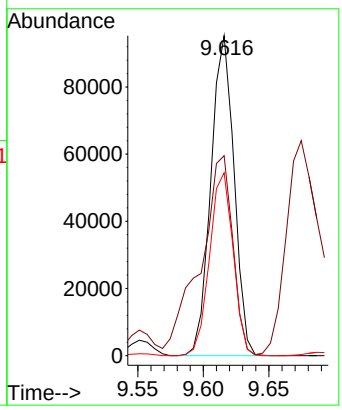
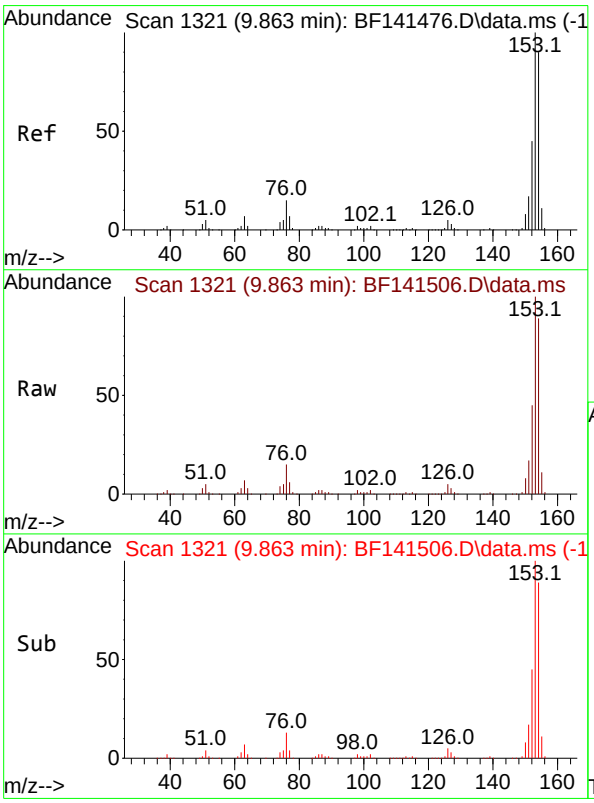
Supervised By :mohammad ahmed 02/12/2025

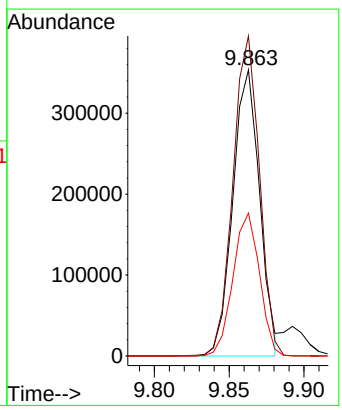


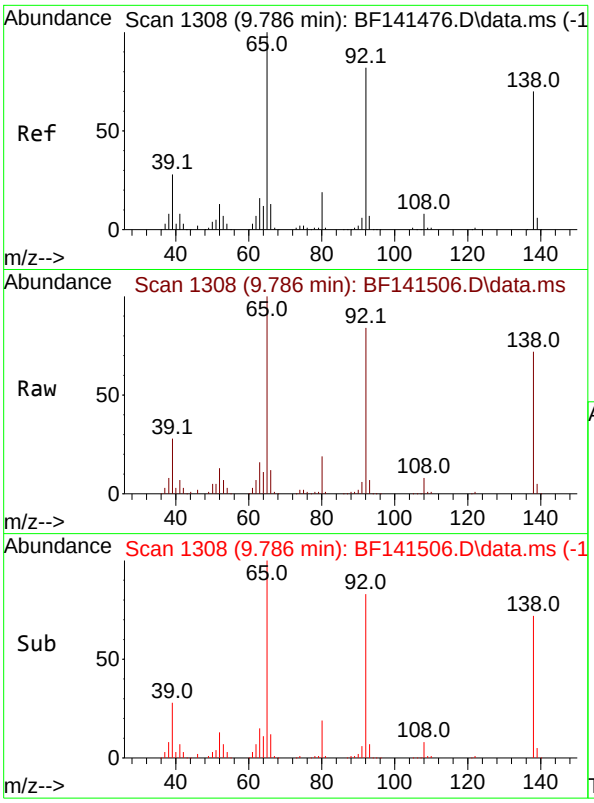


#52
Acenaphthene
Concen: 38.936 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:154 Resp: 442729

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.2	133.8
152	50.0	39.8	59.8

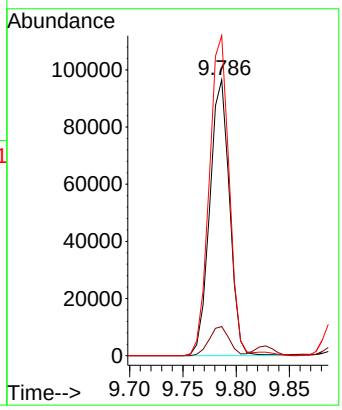




#53
3-Nitroaniline
Concen: 39.406 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:138 Resp: 12484

Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.0	13.4
92	116.0	93.7	140.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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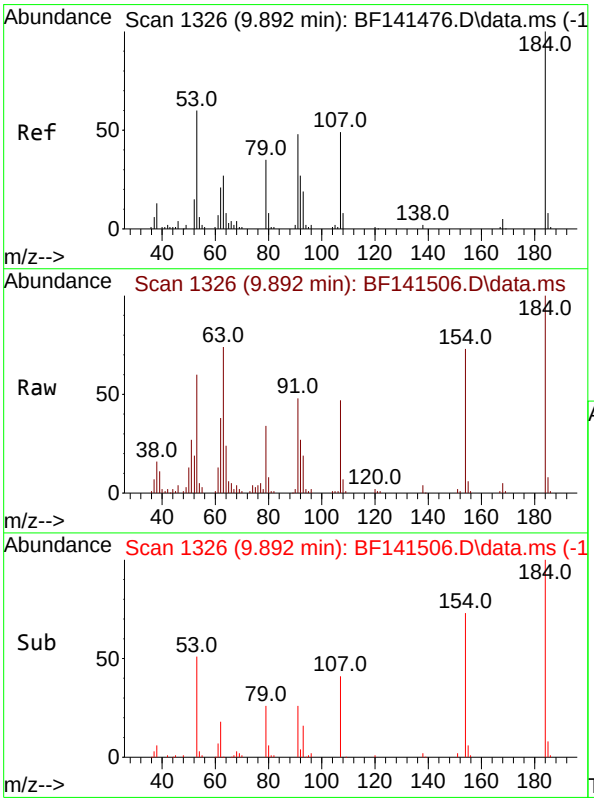
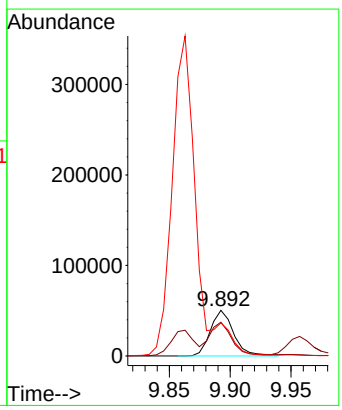
Supervised By :mohammad ahmed 02/12/2025

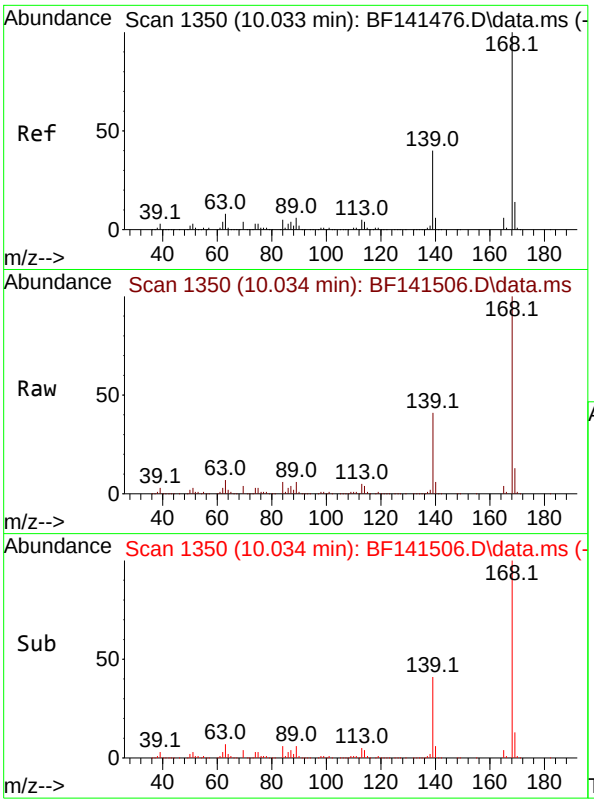


#54
2,4-Dinitrophenol
Concen: 38.328 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:184 Resp: 67053

Ion	Ratio	Lower	Upper
184	100		
63	74.1	61.0	91.6
154	72.8	59.9	89.9





#55
Dibenzofuran
Concen: 39.347 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:168 Resp: 65671

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.1	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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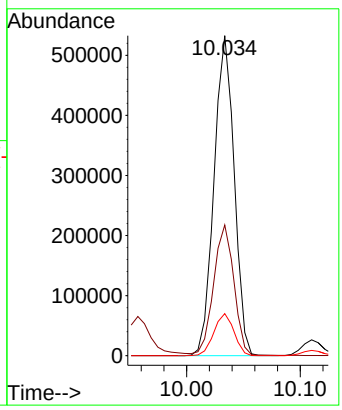
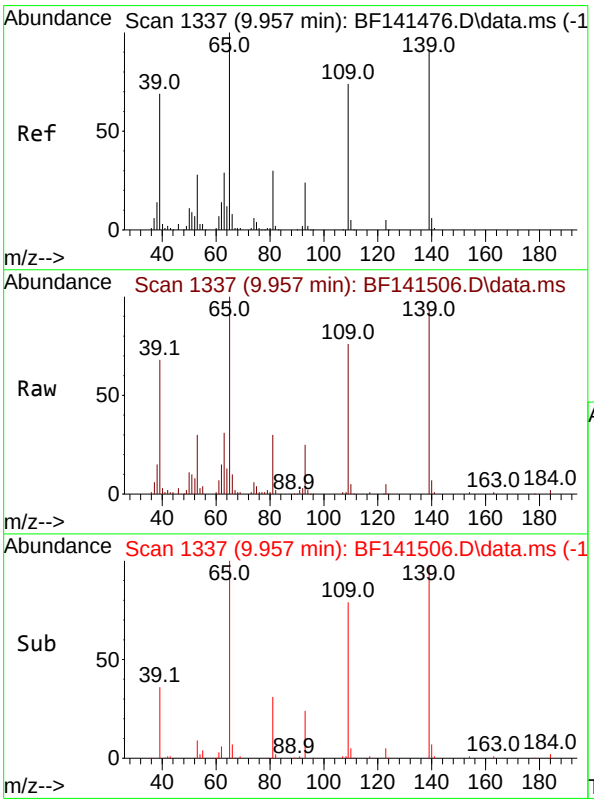
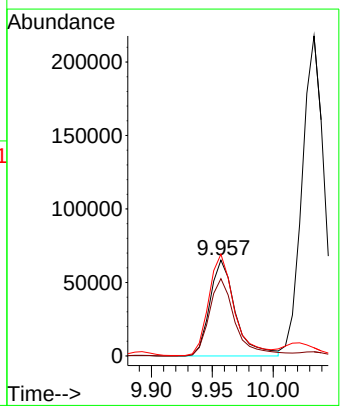


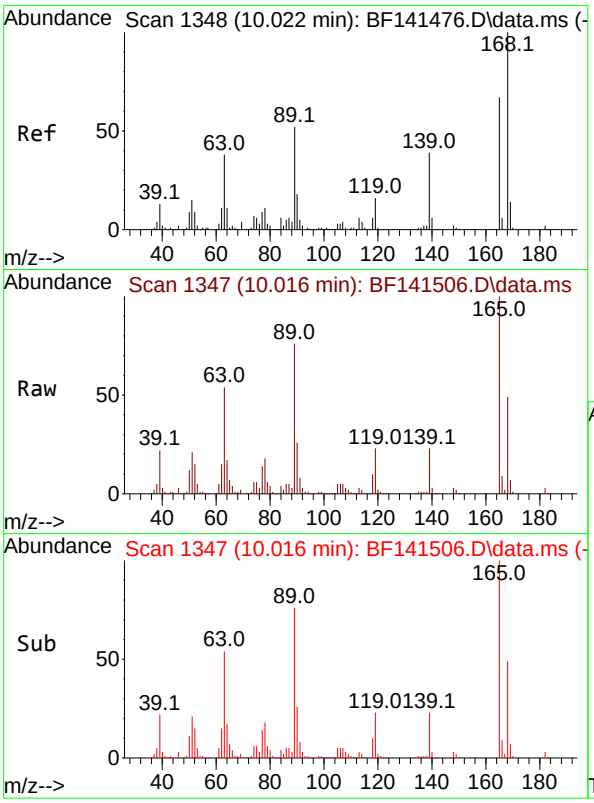


#56
4-Nitrophenol
Concen: 40.524 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:139 Resp: 95307

Ion	Ratio	Lower	Upper
139	100		
109	80.7	62.0	102.0
65	106.1	91.2	131.2

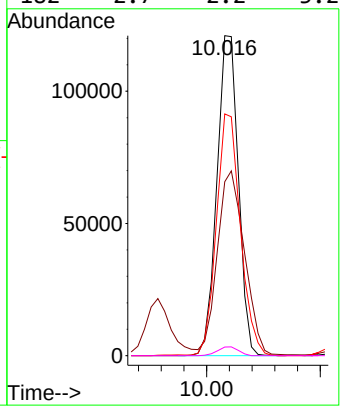




#57
2,4-Dinitrotoluene
Concen: 40.483 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:165 Resp: 15864

Ion	Ratio	Lower	Upper
165	100		
63	54.3	46.4	69.6
89	75.5	61.8	92.6
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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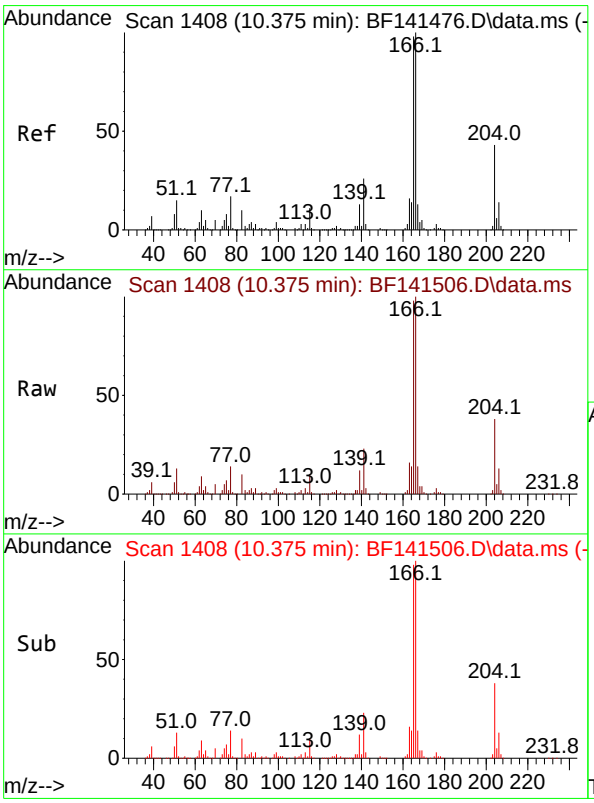
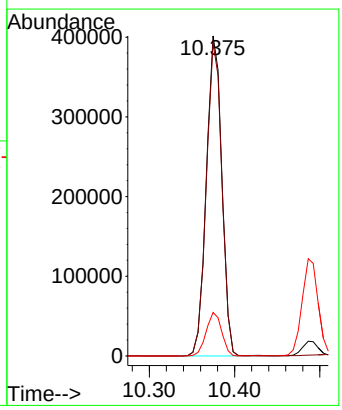
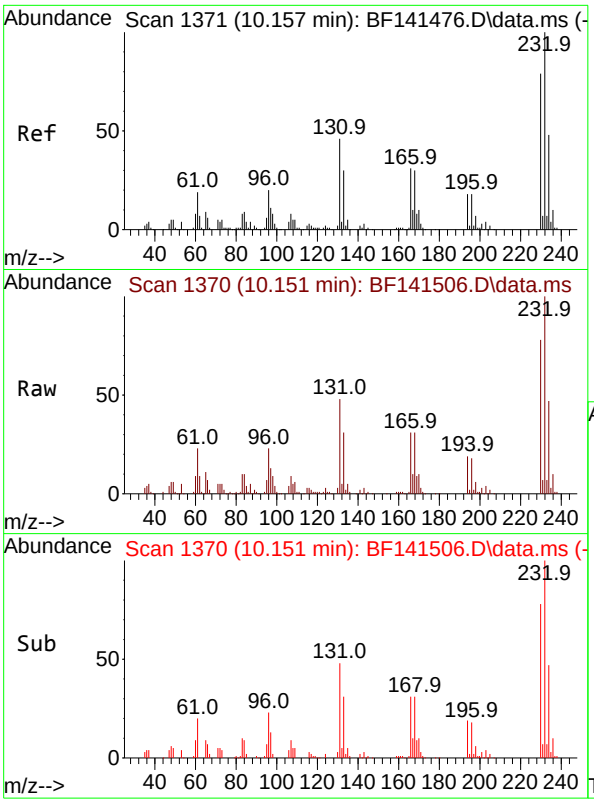


#58
Fluorene
Concen: 39.298 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:166 Resp: 507132

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.2
167	13.6	10.7	16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.668 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 13727

Ion	Ratio	Lower	Upper
232	100		
131	46.6	39.2	58.8
130	2.5	2.1	3.1
166	29.7	25.1	37.7

Manual Integrations
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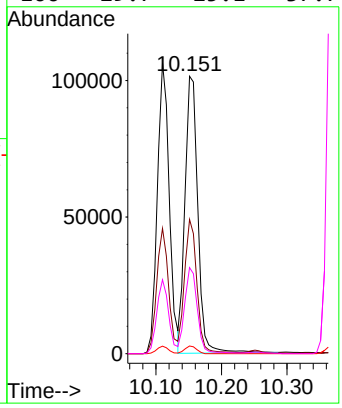
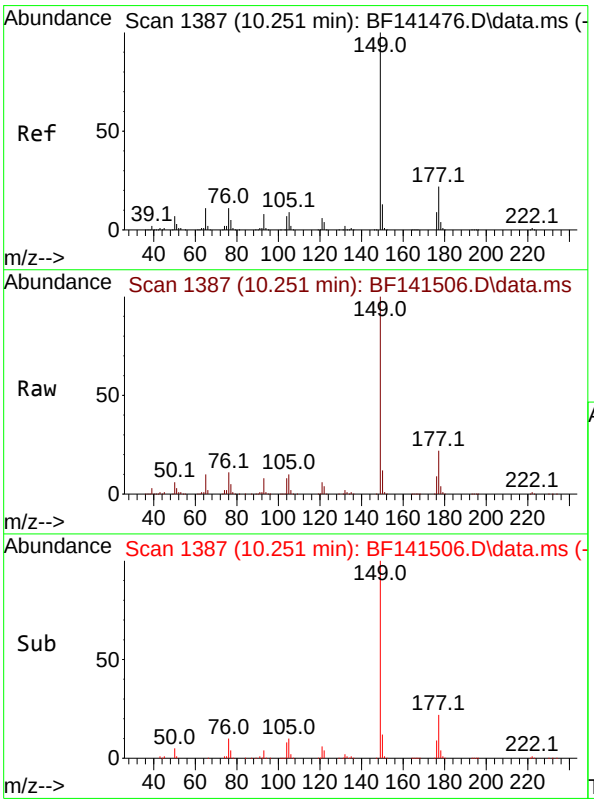
Supervised By :mohammad ahmed 02/12/2025

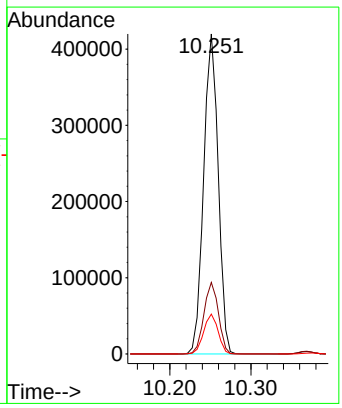


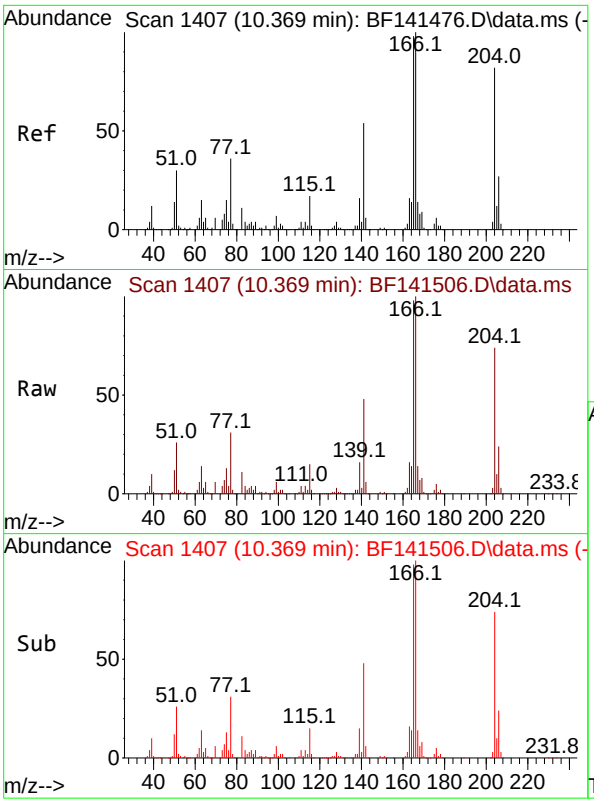


#60
Diethylphthalate
Concen: 39.320 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 520921

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.6
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.371 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 24443

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.6	40.0
141	64.5	51.9	77.9

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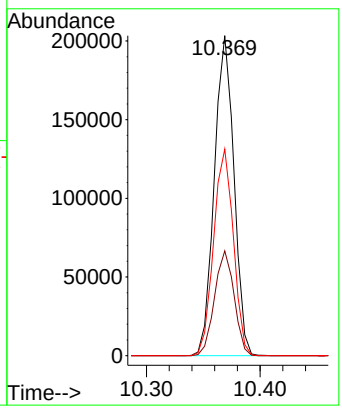
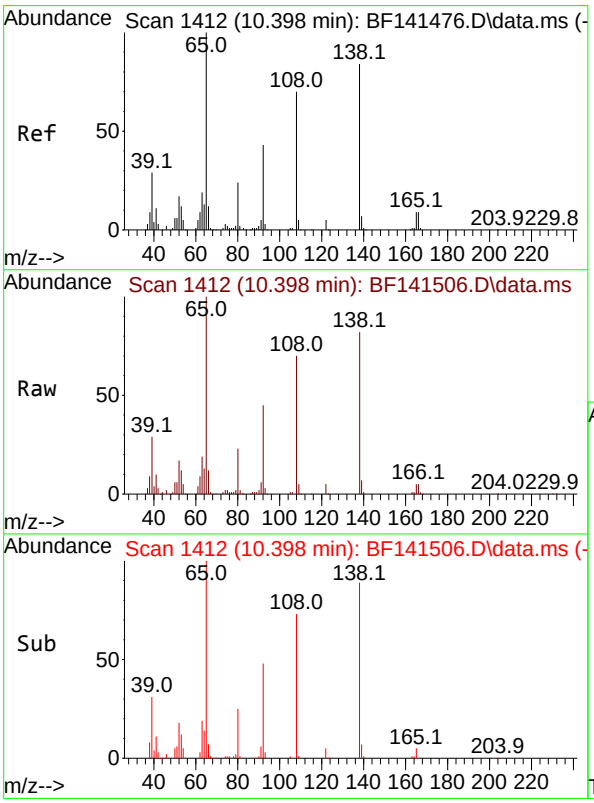
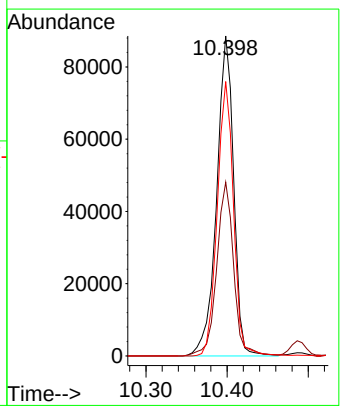


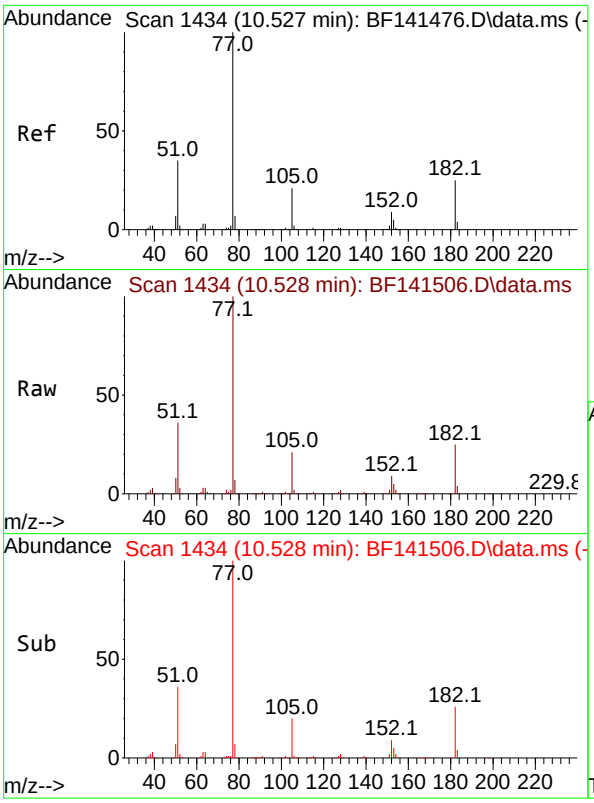


#62
4-Nitroaniline
Concen: 40.203 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:138 Resp: 129336

Ion	Ratio	Lower	Upper
138	100		
92	54.3	31.3	71.3
108	85.7	63.7	103.7





#63
Azobenzene
Concen: 39.181 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 51603

Ion	Ratio	Lower	Upper
77	100		
182	25.4	4.7	44.7
105	21.1	0.4	40.4
51	35.8	16.5	56.5

Manual Integrations
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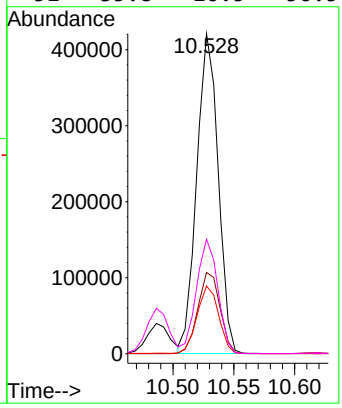
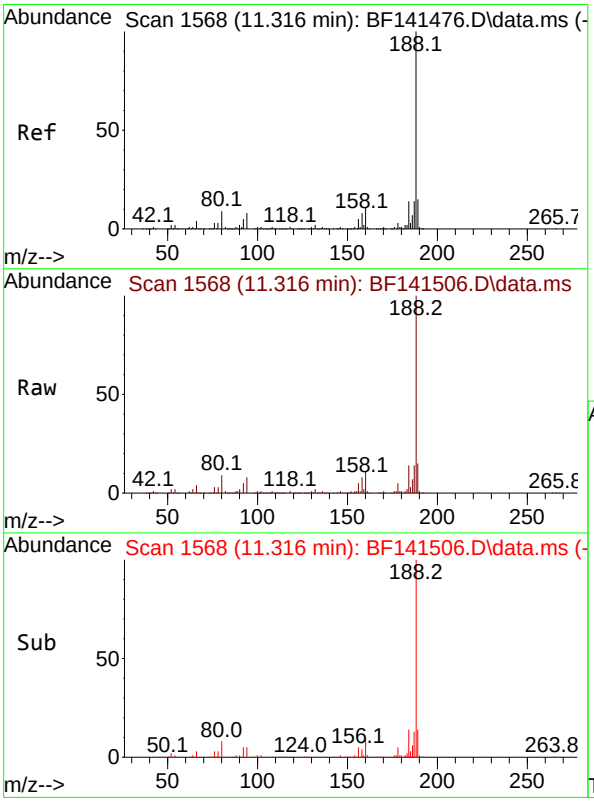
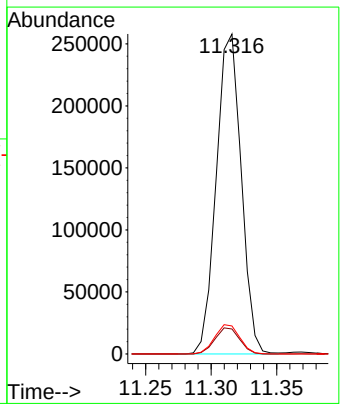


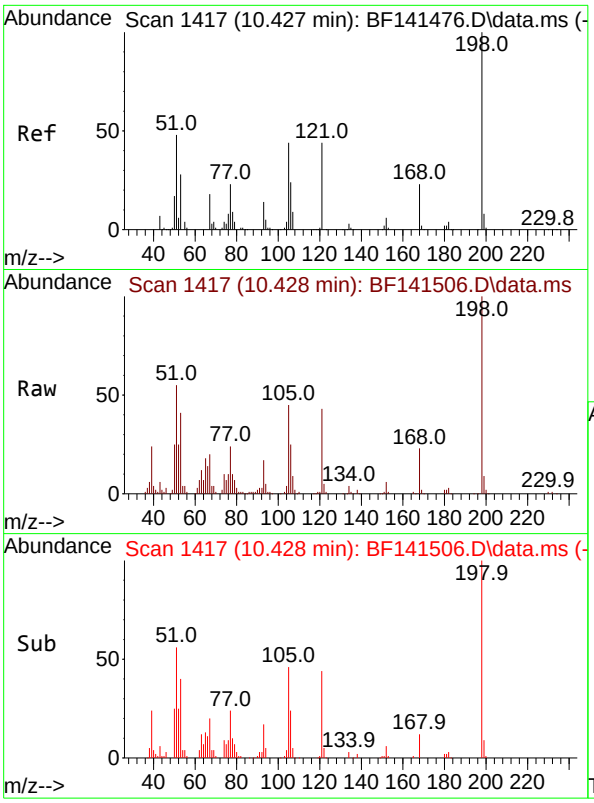


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:188 Resp: 340922

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.6	10.0
80	8.7	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 39.992 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:198 Resp: 9470

Ion	Ratio	Lower	Upper
198	100		
51	55.2	37.4	77.4
105	45.0	25.2	65.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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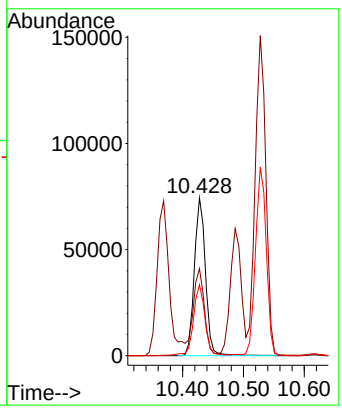
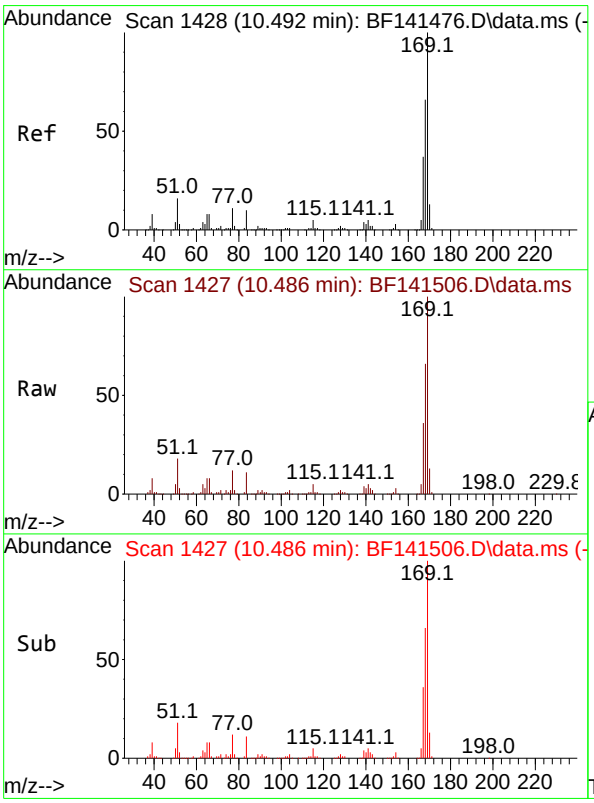
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

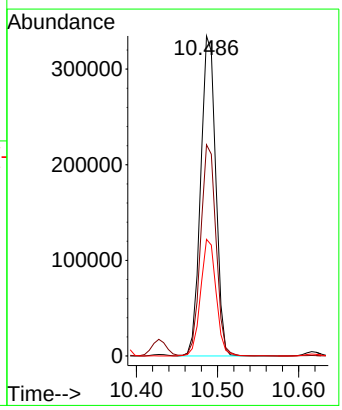


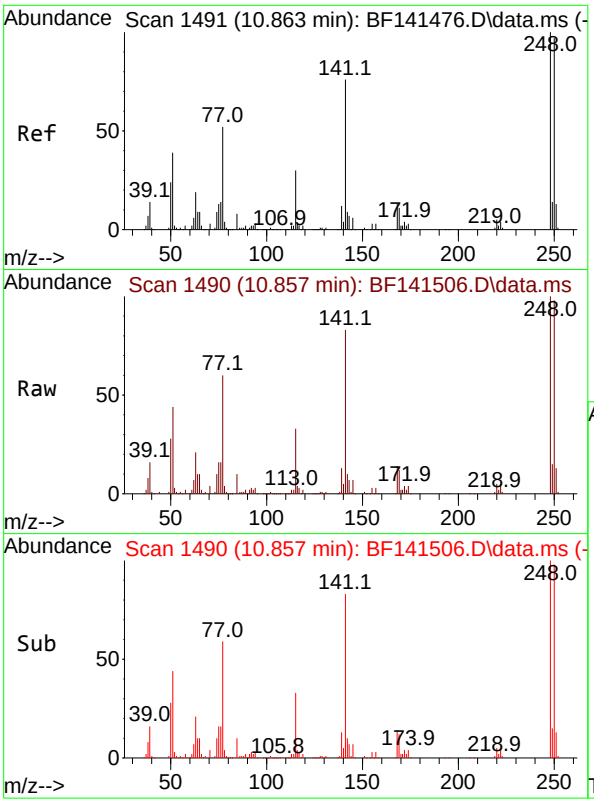


#66
n-Nitrosodiphenylamine
Concen: 39.446 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:169 Resp: 430480

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.3	79.9
167	36.5	29.4	44.2

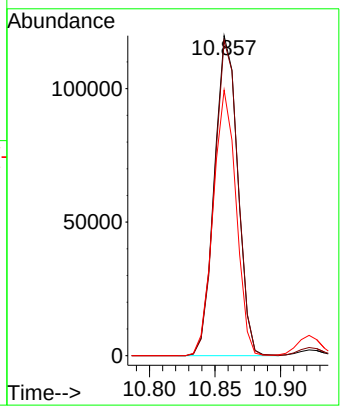




#67
4-Bromophenyl-phenylether
Concen: 38.862 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:248 Resp: 14807

Ion	Ratio	Lower	Upper
248	100		
250	98.5	77.8	116.6
141	83.0	60.6	90.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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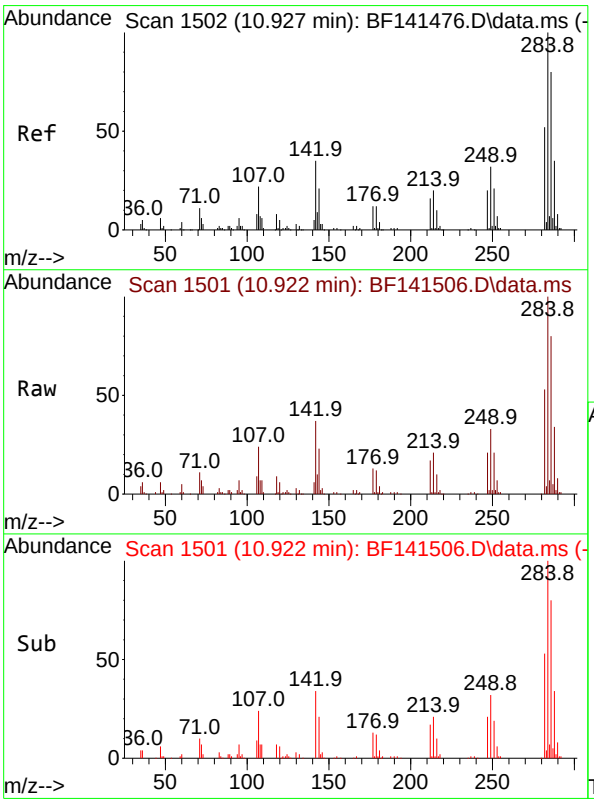
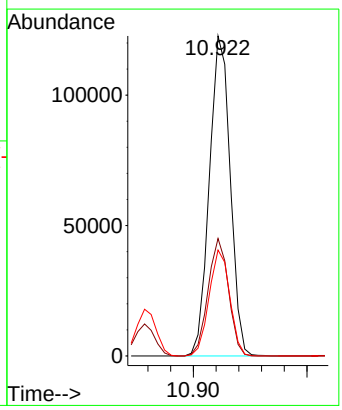
Supervised By :mohammad ahmed 02/12/2025

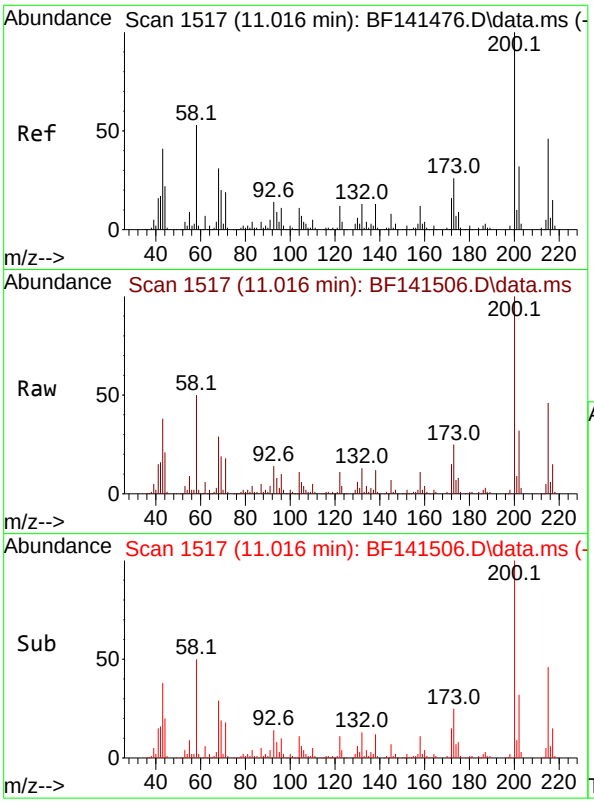


#68
Hexachlorobenzene
Concen: 39.865 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:284 Resp: 156412

Ion	Ratio	Lower	Upper
284	100		
142	36.7	28.0	42.0
249	33.1	25.8	38.8

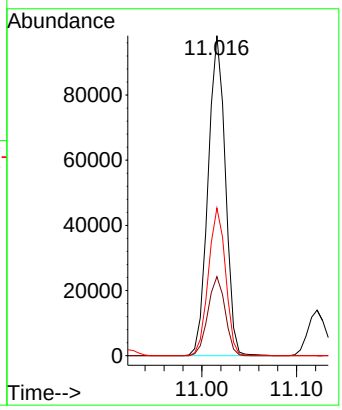




#69
Atrazine
Concen: 37.952 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:200 Resp: 12425

Ion	Ratio	Lower	Upper
200	100		
173	24.7	5.9	45.9
215	46.2	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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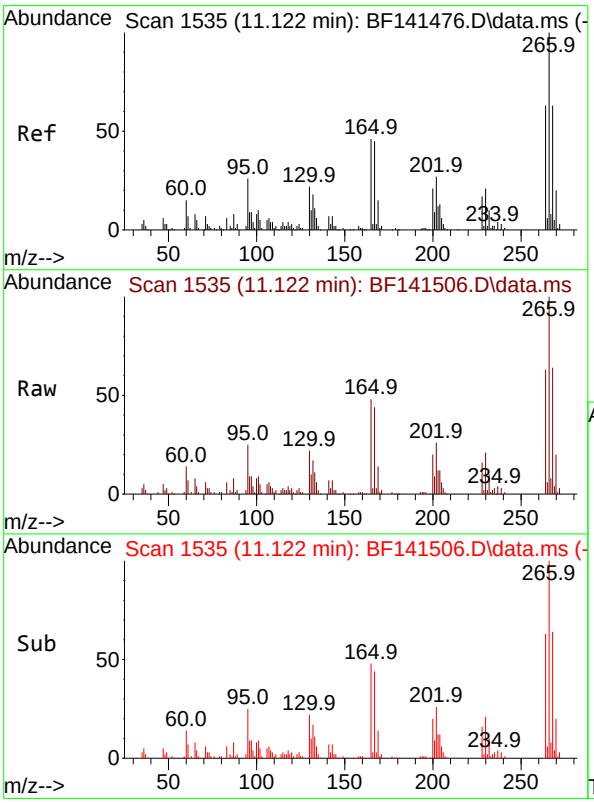
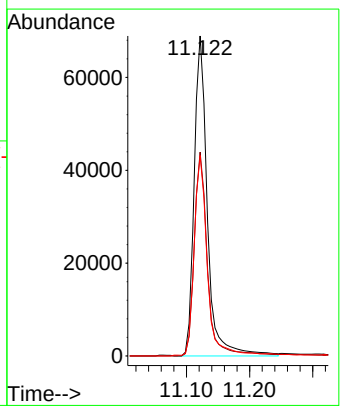
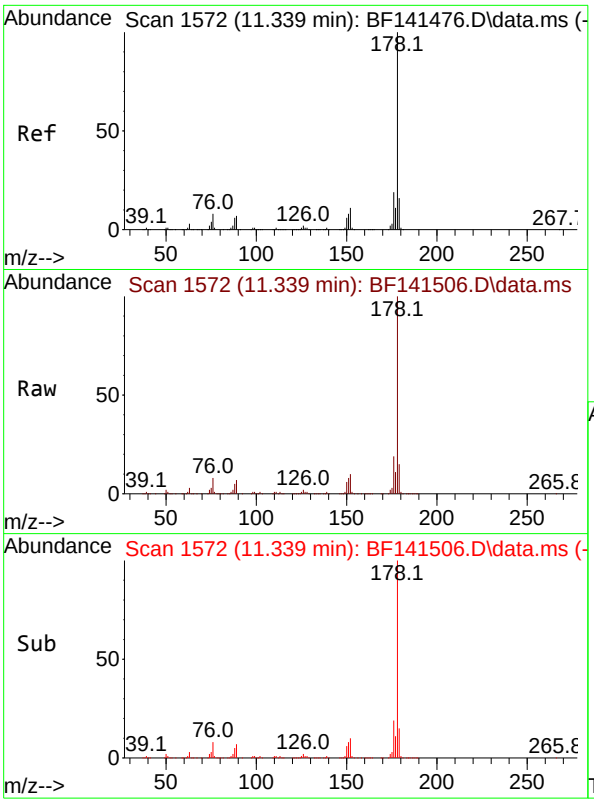


#70
Pentachlorophenol
Concen: 39.932 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:266 Resp: 100181

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.1	75.1
264	62.7	50.1	75.1

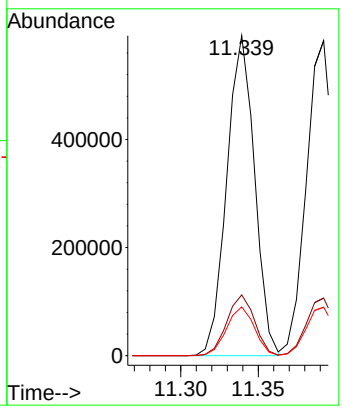




#71
Phenanthrene
Concen: 39.319 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:178 Resp: 73787

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.3	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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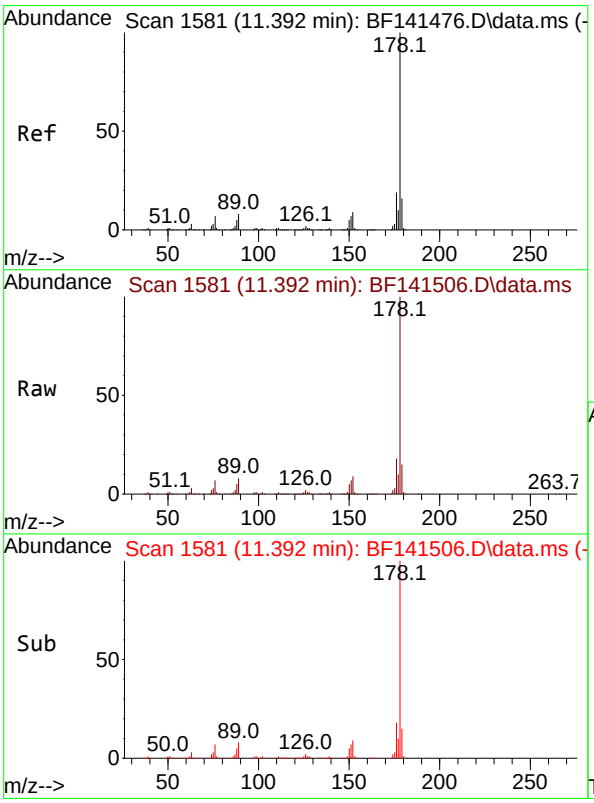
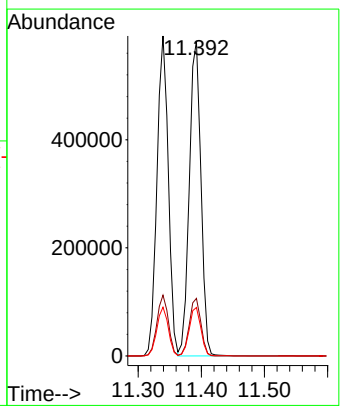
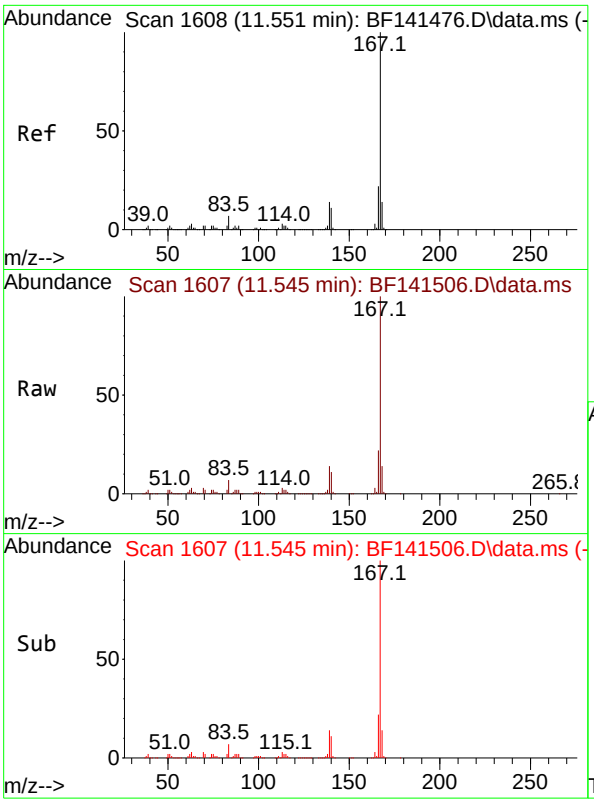


#72
Anthracene
Concen: 39.564 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:178 Resp: 746361

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.4	12.4	18.6

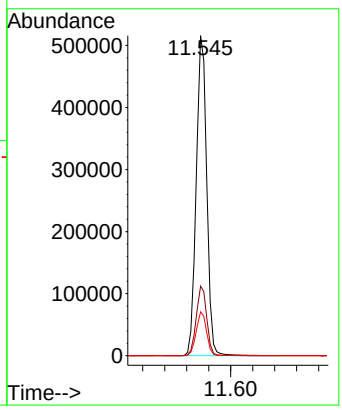




#73
Carbazole
Concen: 40.316 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:167 Resp: 68433

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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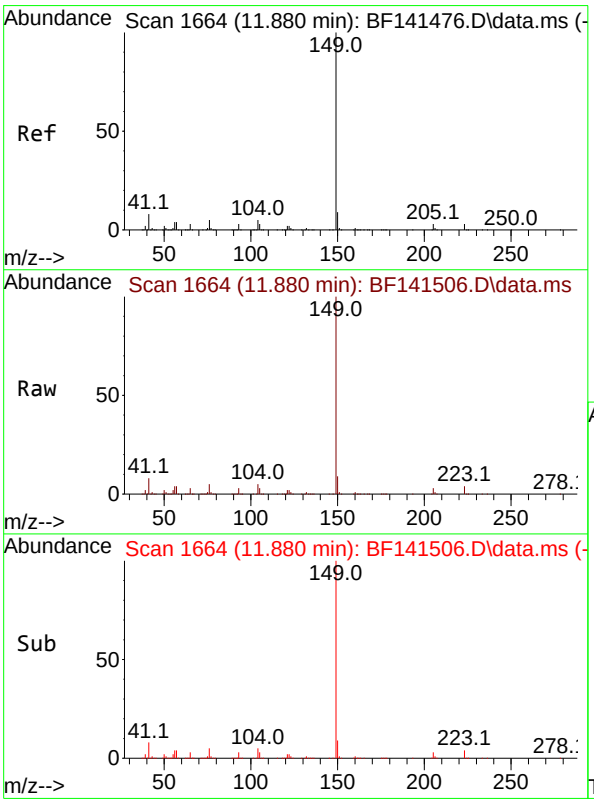
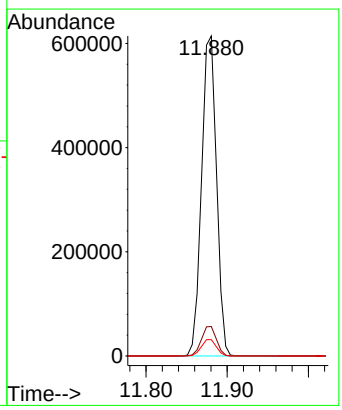
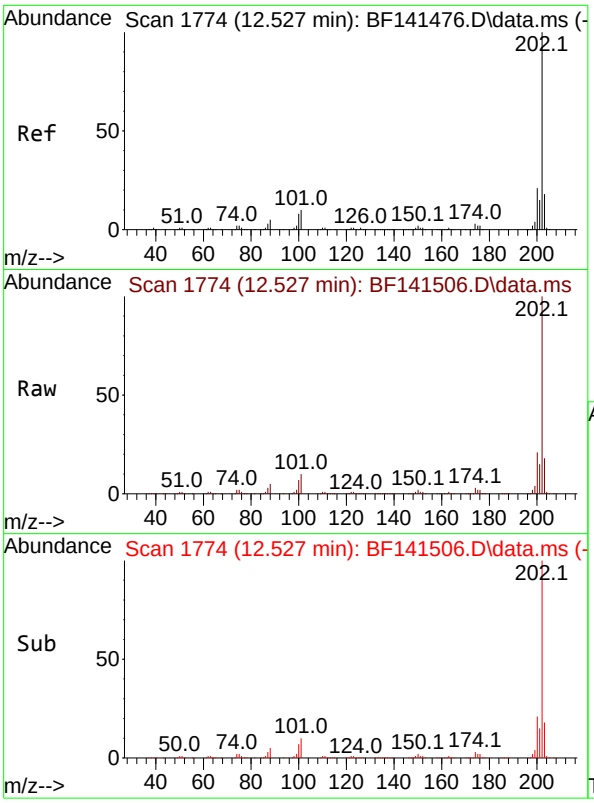


#74
Di-n-butylphthalate
Concen: 40.060 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 785155

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.1	4.2	6.2





#75
Fluoranthene
Concen: 40.018 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:202 Resp: 79620

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.2
203	17.6	0.0	37.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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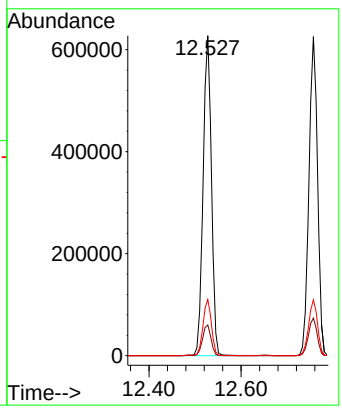
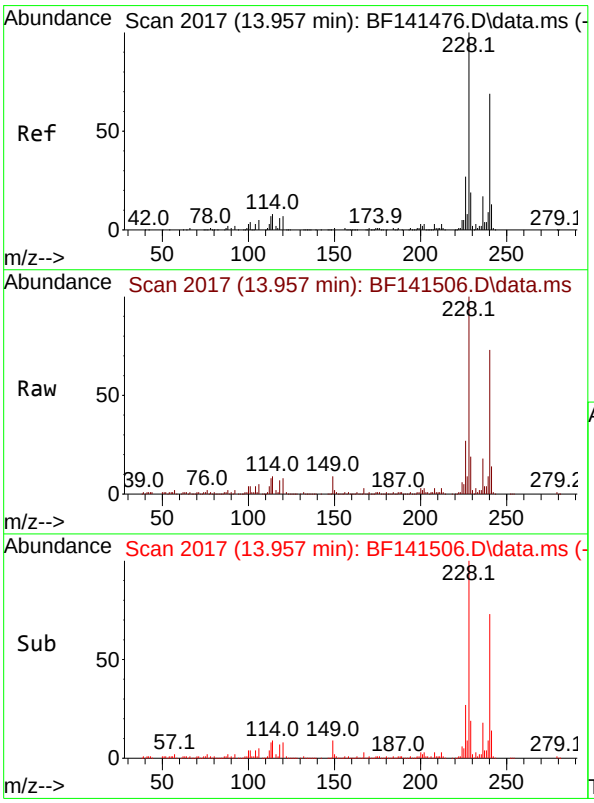
Supervised By :mohammad ahmed 02/12/2025

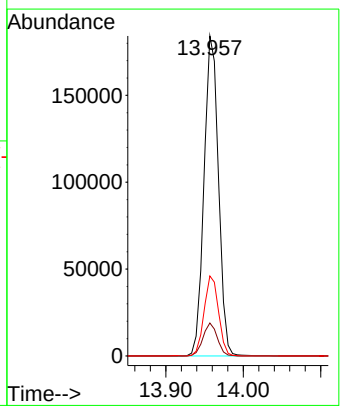


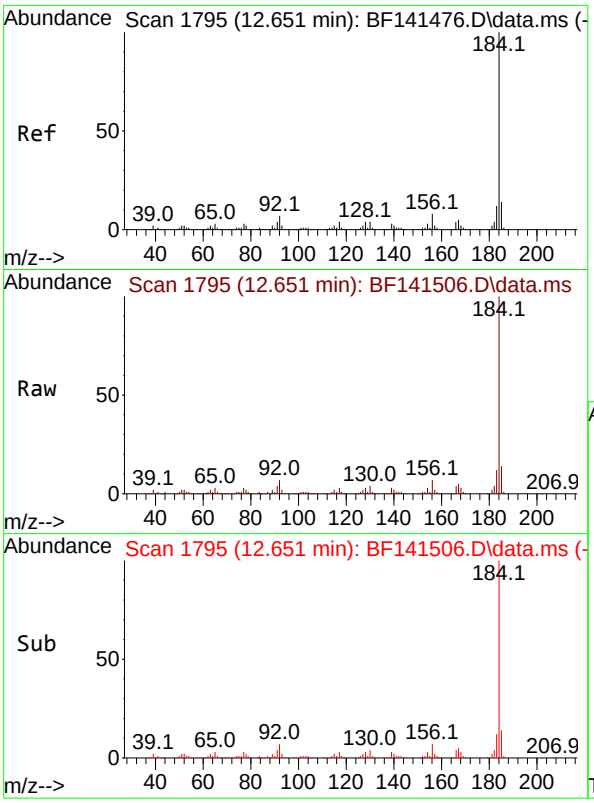


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:240 Resp: 238177

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.0	12.0
236	25.0	19.8	29.8

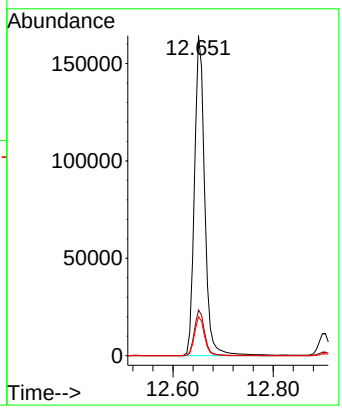




#77
Benzidine
Concen: 44.226 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:184 Resp: 23231

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.3	16.9
183	12.1	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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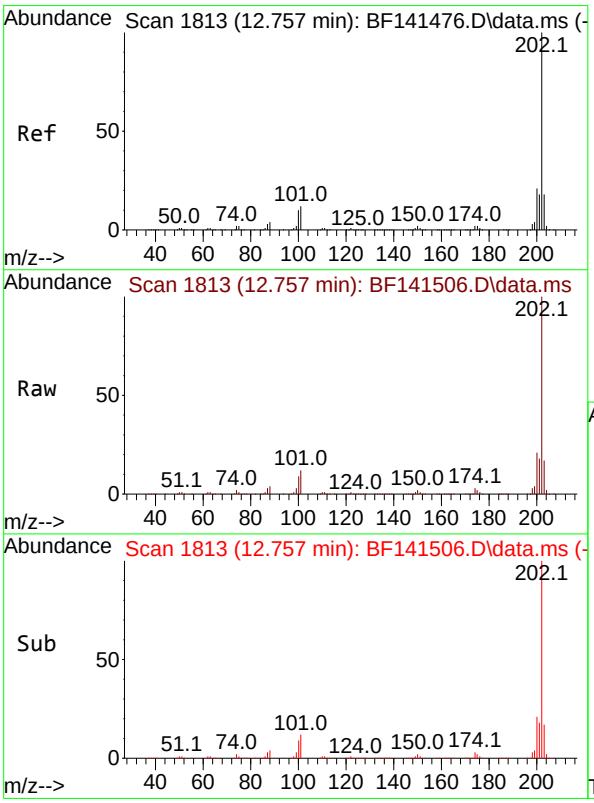
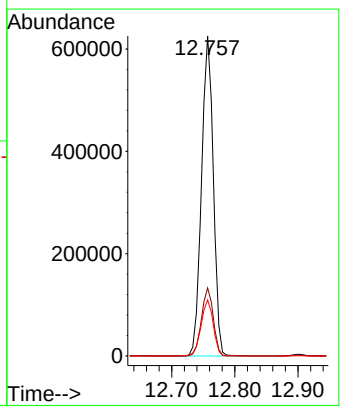
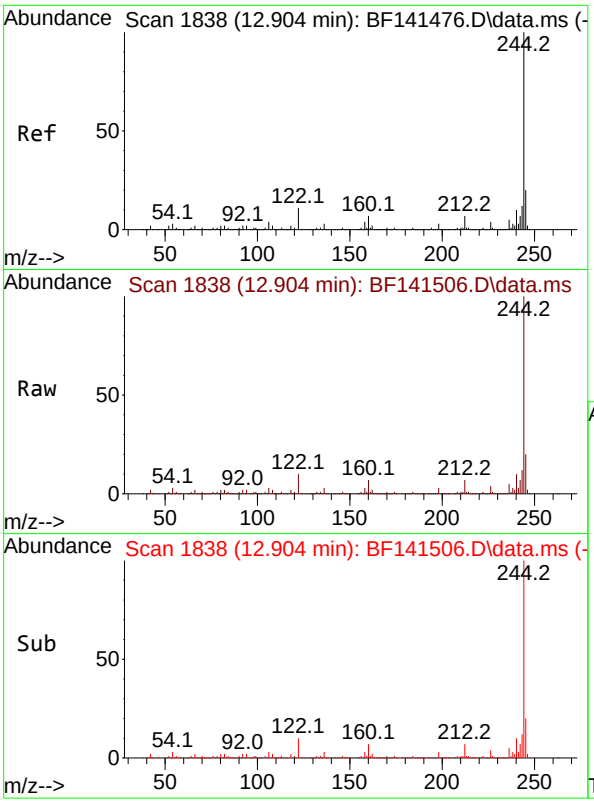


#78
Pyrene
Concen: 39.977 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:202 Resp: 810550

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.5	14.3	21.5

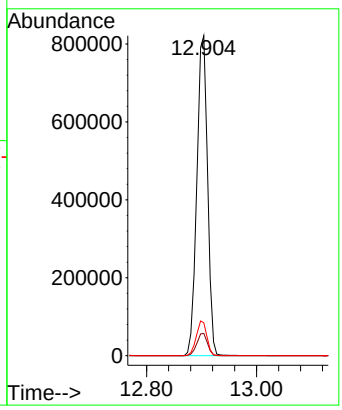




#79
Terphenyl-d14
Concen: 79.087 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:244 Resp: 111580

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.3	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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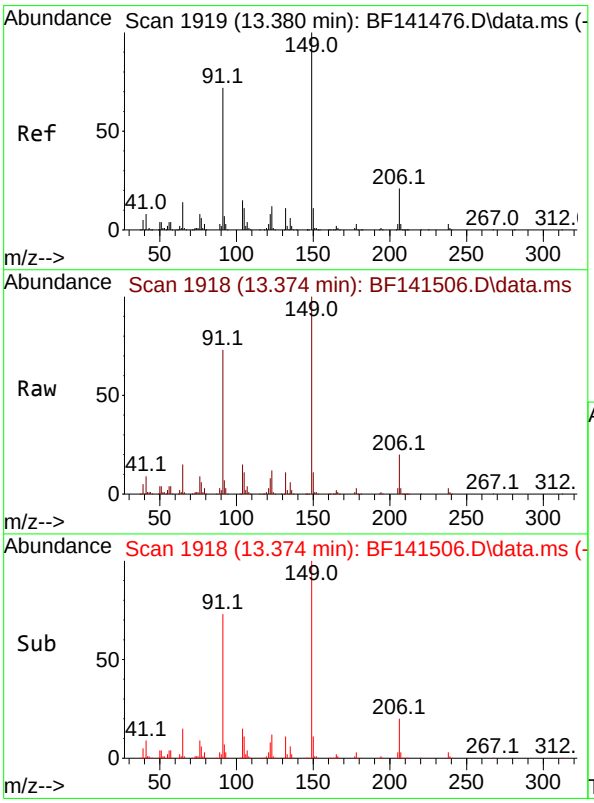
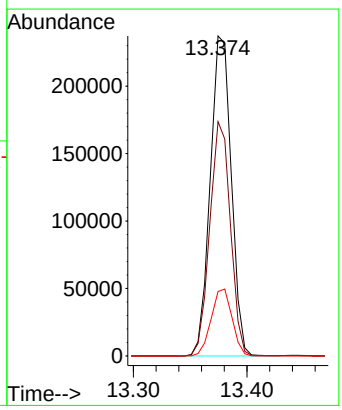
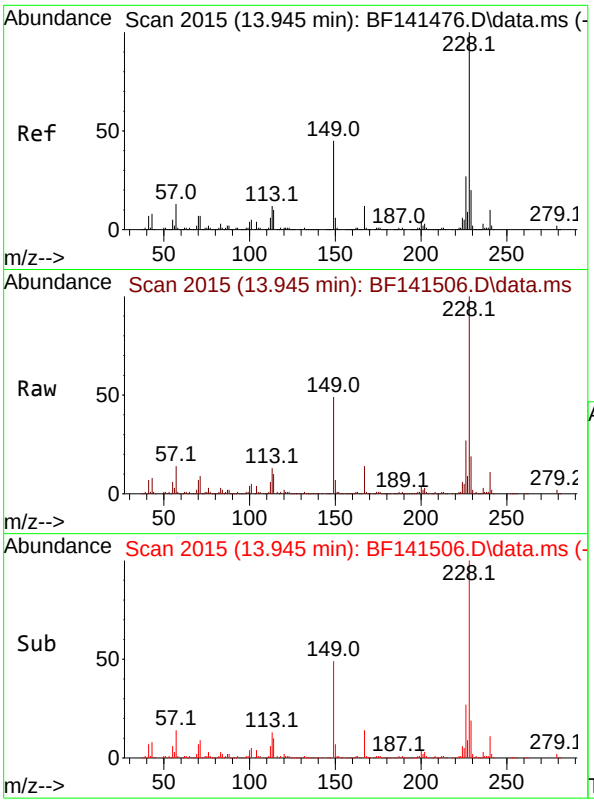


#80
Butylbenzylphthalate
Concen: 43.443 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 305087

Ion	Ratio	Lower	Upper
149	100		
91	73.2	57.8	86.8
206	20.2	16.7	25.1

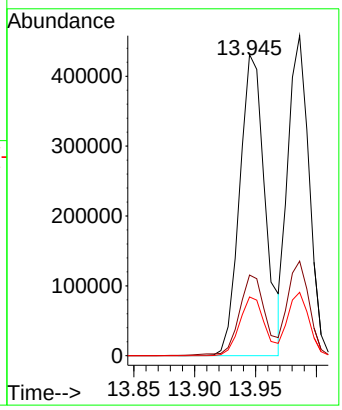




#81
Benzo(a)anthracene
Concen: 39.598 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:228 Resp: 62694

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	19.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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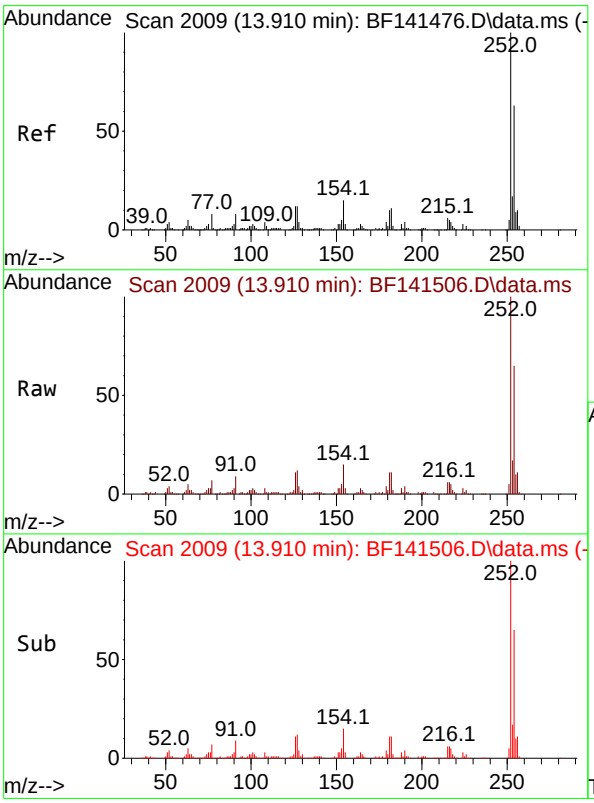
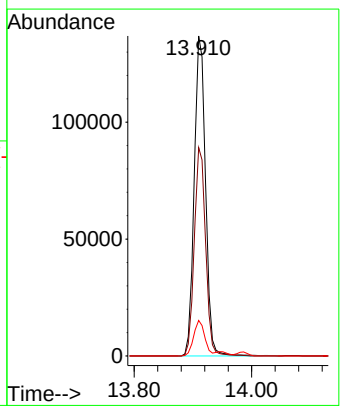
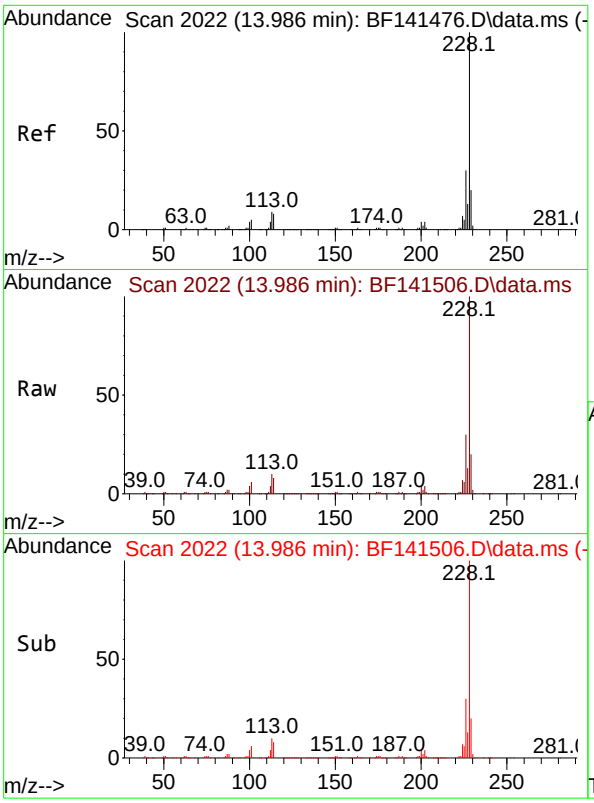


#82
3,3'-Dichlorobenzidine
Concen: 40.414 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:252 Resp: 183288

Ion	Ratio	Lower	Upper
252	100		
254	65.1	50.6	76.0
126	11.1	9.3	13.9





#83
Chrysene
Concen: 38.041 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:228 Resp: 55611(

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	19.8	15.7	23.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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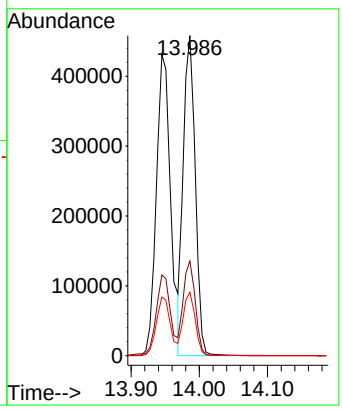
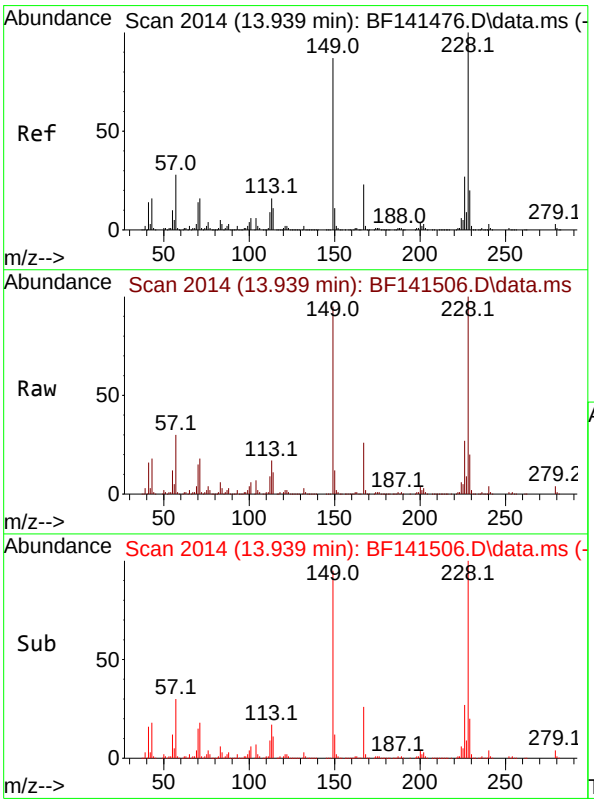
Supervised By :mohammad ahmed 02/12/2025

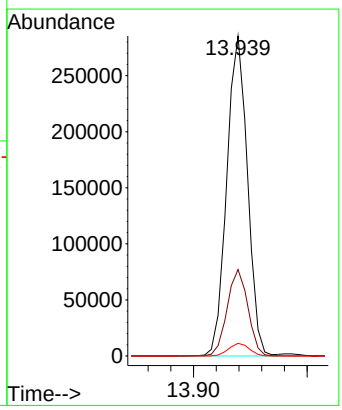


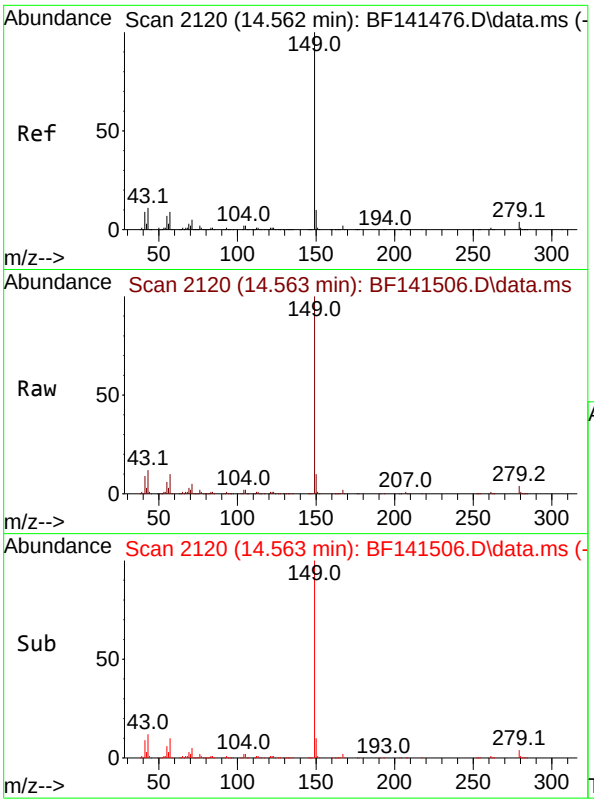


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.626 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 361384

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	3.9	3.1	4.7

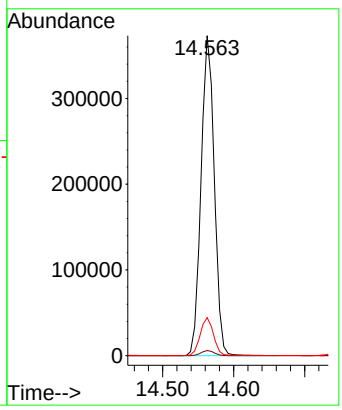




#85
Di-n-octyl phthalate
Concen: 42.871 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:149 Resp: 484418

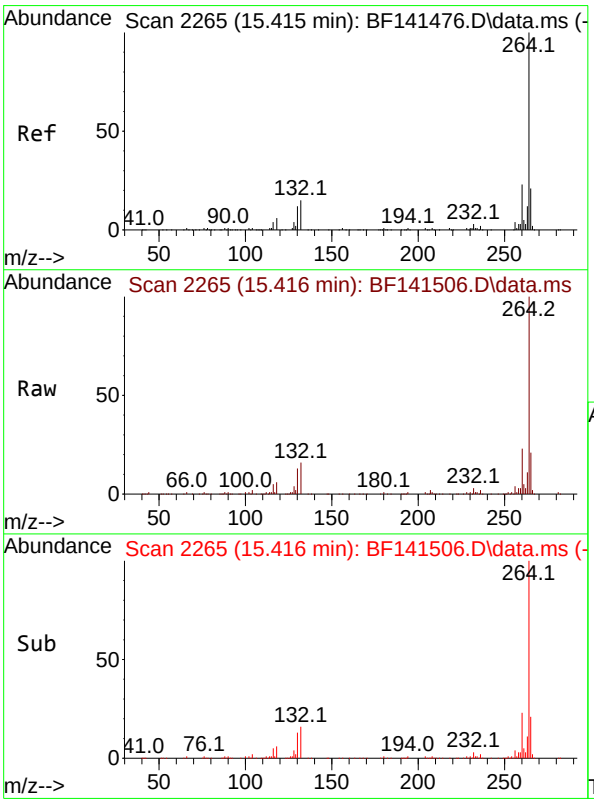
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.3	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

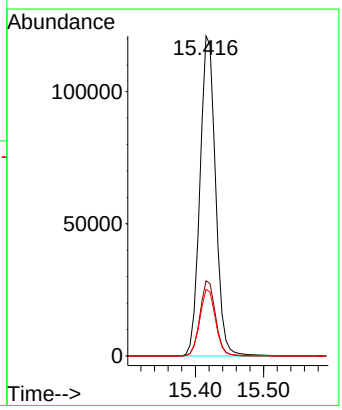
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

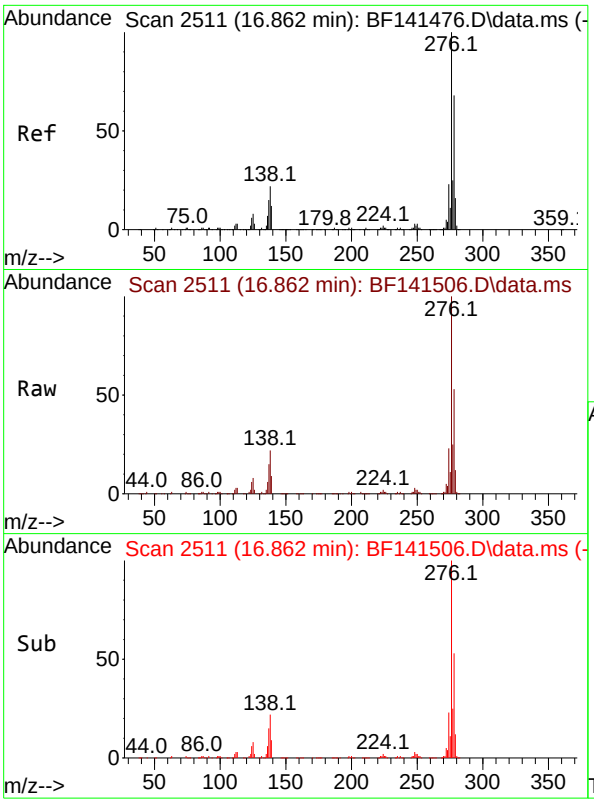


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:264 Resp: 192868

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	20.8	17.0	25.4

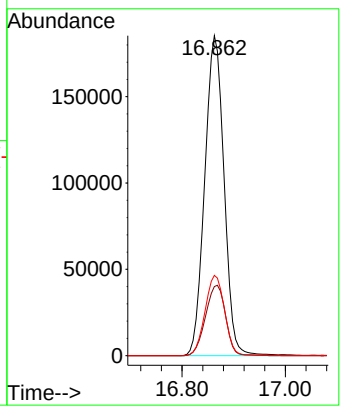




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.313 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:276 Resp: 48041

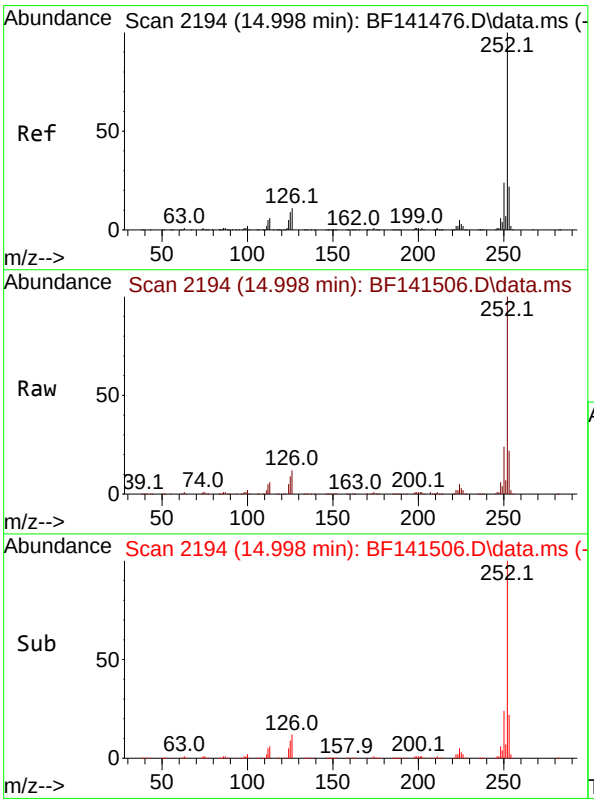
Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.0	27.0
277	25.5	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

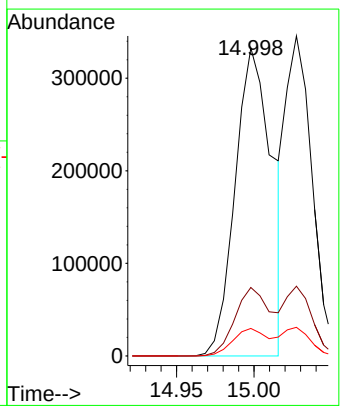
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

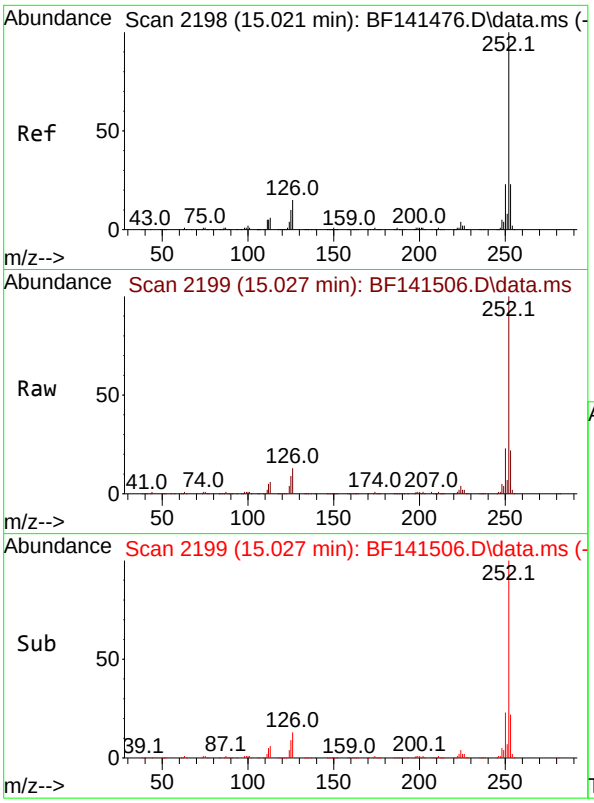


#88
Benzo(b)fluoranthene
Concen: 42.468 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:252 Resp: 549964

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.0	7.0	10.6

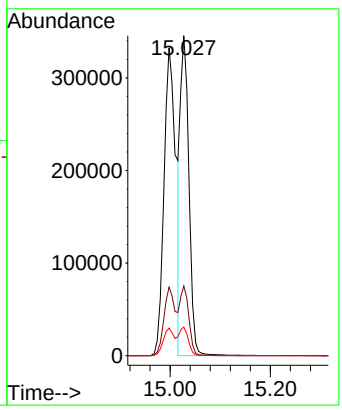




#89
Benzo(k)fluoranthene
Concen: 37.333 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:252 Resp: 41283

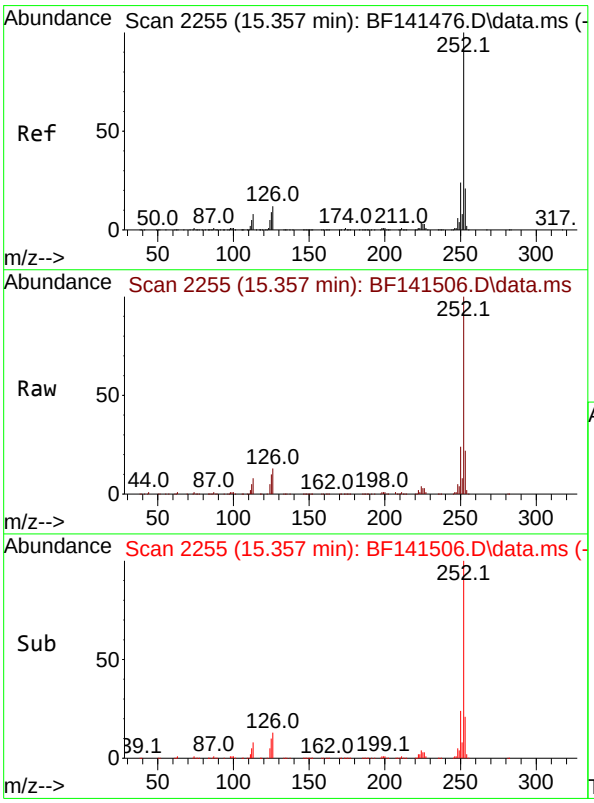
Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	9.0	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

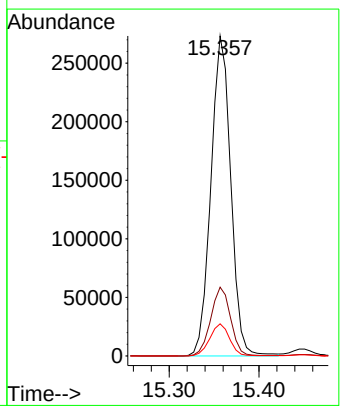
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

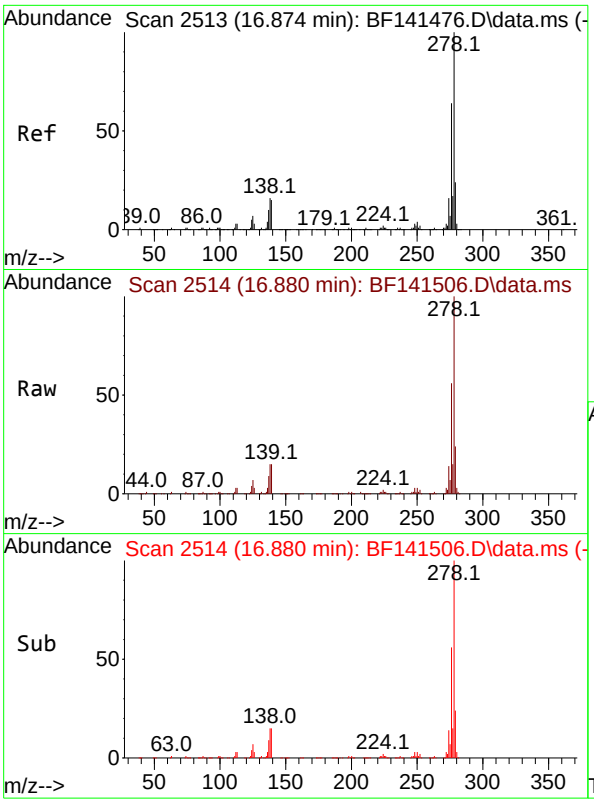


#90
Benzo(a)pyrene
Concen: 40.121 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:252 Resp: 420423

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	10.1	7.4	11.2

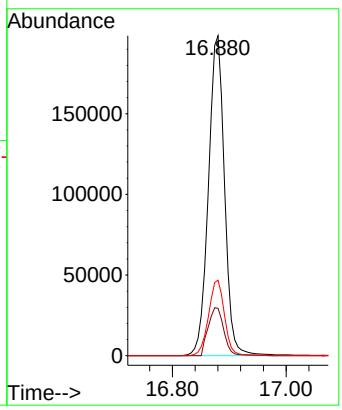




#91
Dibenzo(a,h)anthracene
Concen: 40.397 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:278 Resp: 39008

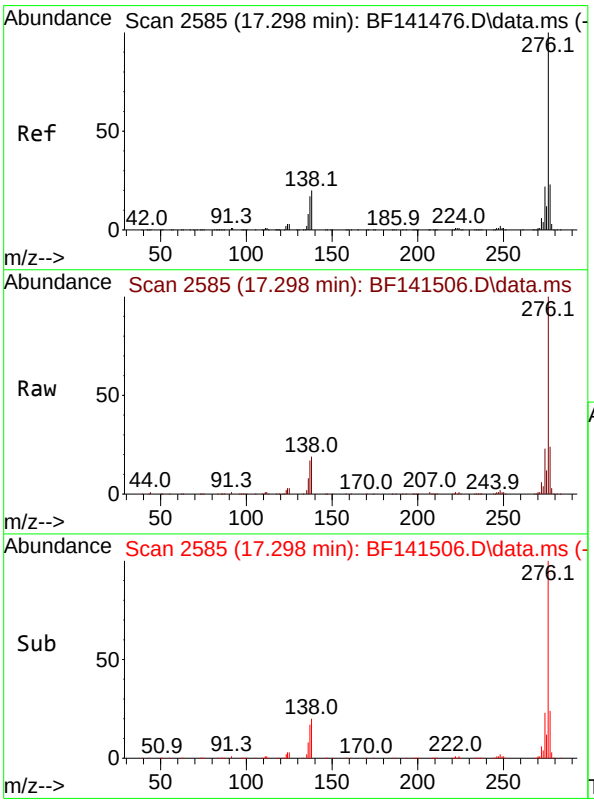
Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.6
279	23.6	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

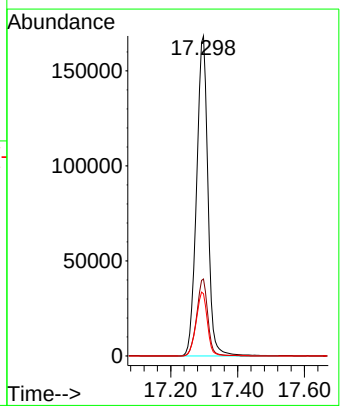
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 39.245 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:276 Resp: 396572

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	19.5	15.9	23.9



Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2		1,4-Dioxane	0.513	0.512	0.2	102	0.00
3		Pyridine	1.222	1.278	-4.6	104	-0.02
4		n-Nitrosodimethylamine	0.809	0.799	1.2	101	-0.03
5	S	2-Fluorophenol	1.276	1.294	-1.4	104	0.00
6		Aniline	1.513	1.505	0.5	101	-0.01
7	S	Phenol-d6	1.612	1.599	0.8	102	-0.01
8		2-Chlorophenol	1.378	1.383	-0.4	103	-0.01
9		Benzaldehyde	0.857	0.844	1.5	106	0.00
10	C	Phenol	1.678	1.676	0.1	103	-0.01
11		bis(2-Chloroethyl)ether	1.261	1.237	1.9	101	0.00
12		1,3-Dichlorobenzene	1.455	1.445	0.7	103	0.00
13	C	1,4-Dichlorobenzene	1.487	1.444	2.9	101	0.00
14		1,2-Dichlorobenzene	1.380	1.372	0.6	103	0.00
15		Benzyl Alcohol	1.236	1.208	2.3	99	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.121	1.7	101	0.00
17		2-Methylphenol	1.079	1.064	1.4	102	0.00
18		Hexachloroethane	0.550	0.545	0.9	102	0.00
19	P	n-Nitroso-di-n-propylamine	0.964	0.978	-1.5	104	-0.01
20		3+4-Methylphenols	1.371	1.329	3.1	100	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.498	0.489	1.8	102	-0.01
23	S	Nitrobenzene-d5	0.383	0.384	-0.3	102	0.00
24		Nitrobenzene	0.374	0.372	0.5	102	0.00
25		Isophorone	0.611	0.607	0.7	102	-0.01
26	C	2-Nitrophenol	0.186	0.191	-2.7	102	0.00
27		2,4-Dimethylphenol	0.217	0.219	-0.9	101	0.00
28		bis(2-Chloroethoxy)methane	0.392	0.396	-1.0	103	0.00
29	C	2,4-Dichlorophenol	0.294	0.296	-0.7	102	0.00
30		1,2,4-Trichlorobenzene	0.320	0.319	0.3	103	0.00
31		Naphthalene	1.041	1.040	0.1	103	0.00
32		Benzoic acid	0.226	0.226	0.0	101	-0.04
33		4-Chloroaniline	0.363	0.327	9.9	92	-0.01
34	C	Hexachlorobutadiene	0.192	0.191	0.5	102	0.00
35		Caprolactam	0.089	0.093	-4.5	103	-0.03
36	C	4-Chloro-3-methylphenol	0.325	0.326	-0.3	102	0.00
37		2-Methylnaphthalene	0.677	0.668	1.3	102	0.00
38		1-Methylnaphthalene	0.656	0.647	1.4	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.579	0.571	1.4	100	0.00
41	P	Hexachlorocyclopentadiene	0.192	0.193	-0.5	97	0.00
42	S	2,4,6-Tribromophenol	0.201	0.200	0.5	102	-0.01
43	C	2,4,6-Trichlorophenol	0.374	0.368	1.6	100	0.00
44		2,4,5-Trichlorophenol	0.405	0.399	1.5	100	0.00
45	S	2-Fluorobiphenyl	1.298	1.268	2.3	103	0.00
46		1,1'-Biphenyl	1.551	1.528	1.5	101	0.00
47		2-Chloronaphthalene	1.147	1.132	1.3	102	0.00

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.385	0.385	0.0	101	0.00
49		Acenaphthylene	1.705	1.697	0.5	103	0.00
50		Dimethylphthalate	1.358	1.338	1.5	102	-0.01
51		2,6-Dinitrotoluene	0.297	0.295	0.7	100	0.00
52	C	Acenaphthene	1.147	1.116	2.7	99	0.00
53		3-Nitroaniline	0.319	0.315	1.3	101	0.00
54	P	2,4-Dinitrophenol	0.176	0.169	4.0	98	-0.01
55		Dibenzofuran	1.683	1.655	1.7	101	0.00
56	P	4-Nitrophenol	0.237	0.240	-1.3	99	-0.01
57		2,4-Dinitrotoluene	0.395	0.400	-1.3	103	-0.01
58		Fluorene	1.301	1.278	1.8	102	0.00
59		2,3,4,6-Tetrachlorophenol	0.349	0.346	0.9	102	-0.01
60		Diethylphthalate	1.336	1.313	1.7	101	0.00
61		4-Chlorophenyl-phenylether	0.626	0.616	1.6	102	0.00
62		4-Nitroaniline	0.324	0.326	-0.6	100	-0.02
63		Azobenzene	1.328	1.301	2.0	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.139	0.0	99	-0.01
66	c	n-Nitrosodiphenylamine	0.640	0.631	1.4	102	-0.01
67		4-Bromophenyl-phenylether	0.224	0.217	3.1	100	0.00
68		Hexachlorobenzene	0.230	0.229	0.4	102	0.00
69		Atrazine	0.192	0.182	5.2	100	0.00
70	C	Pentachlorophenol	0.147	0.147	0.0	97	0.00
71		Phenanthrene	1.101	1.082	1.7	101	0.00
72		Anthracene	1.107	1.095	1.1	102	0.00
73		Carbazole	0.996	1.004	-0.8	103	0.00
74		Di-n-butylphthalate	1.150	1.152	-0.2	102	0.00
75	C	Fluoranthene	1.167	1.168	-0.1	103	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	106	0.00
77		Benzidine	0.441	0.488	-10.7	98	0.00
78		Pyrene	1.703	1.702	0.1	103	0.00
79	S	Terphenyl-d14	1.185	1.171	1.2	103	0.00
80		Butylbenzylphthalate	0.590	0.640	-8.5	111	0.00
81		Benzo(a)anthracene	1.329	1.316	1.0	103	0.00
82		3,3'-Dichlorobenzidine	0.381	0.385	-1.0	108	0.00
83		Chrysene	1.228	1.167	5.0	103	0.00
84		Bis(2-ethylhexyl)phthalate	0.665	0.759	-14.1	116	0.00
85	c	Di-n-octyl phthalate	0.949	1.017	-7.2	111	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	1.236	1.245	-0.7	102	-0.01
88		Benzo(b)fluoranthene	1.343	1.426	-6.2	113	0.00
89		Benzo(k)fluoranthene	1.147	1.070	6.7	99	0.00
90	C	Benzo(a)pyrene	1.087	1.090	-0.3	106	0.00
91		Dibenzo(a,h)anthracene	1.001	1.011	-1.0	101	-0.01
92		Benzo(g,h,i)perylene	1.048	1.028	1.9	99	-0.02

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2		1,4-Dioxane	40.000	39.852	0.4	102	0.00
3		Pyridine	40.000	41.842	-4.6	104	-0.02
4		n-Nitrosodimethylamine	40.000	39.505	1.2	101	-0.03
5	S	2-Fluorophenol	80.000	81.160	-1.4	104	0.00
6		Aniline	40.000	39.807	0.5	101	-0.01
7	S	Phenol-d6	80.000	79.333	0.8	102	-0.01
8		2-Chlorophenol	40.000	40.121	-0.3	103	-0.01
9		Benzaldehyde	40.000	39.396	1.5	106	0.00
10	C	Phenol	40.000	39.942	0.1	103	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.239	1.9	101	0.00
12		1,3-Dichlorobenzene	40.000	39.713	0.7	103	0.00
13	C	1,4-Dichlorobenzene	40.000	38.847	2.9	101	0.00
14		1,2-Dichlorobenzene	40.000	39.770	0.6	103	0.00
15		Benzyl Alcohol	40.000	39.069	2.3	99	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.320	1.7	101	0.00
17		2-Methylphenol	40.000	39.445	1.4	102	0.00
18		Hexachloroethane	40.000	39.613	1.0	102	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.556	-1.4	104	-0.01
20		3+4-Methylphenols	40.000	38.777	3.1	100	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	39.294	1.8	102	-0.01
23	S	Nitrobenzene-d5	80.000	80.140	-0.2	102	0.00
24		Nitrobenzene	40.000	39.825	0.4	102	0.00
25		Isophorone	40.000	39.733	0.7	102	-0.01
26	C	2-Nitrophenol	40.000	41.014	-2.5	102	0.00
27		2,4-Dimethylphenol	40.000	40.362	-0.9	101	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.398	-1.0	103	0.00
29	C	2,4-Dichlorophenol	40.000	40.337	-0.8	102	0.00
30		1,2,4-Trichlorobenzene	40.000	39.869	0.3	103	0.00
31		Naphthalene	40.000	39.968	0.1	103	0.00
32		Benzoic acid	40.000	40.092	-0.2	101	-0.04
33		4-Chloroaniline	40.000	35.960	10.1	92	-0.01
34	C	Hexachlorobutadiene	40.000	39.845	0.4	102	0.00
35		Caprolactam	40.000	41.746	-4.4	103	-0.03
36	C	4-Chloro-3-methylphenol	40.000	40.105	-0.3	102	0.00
37		2-Methylnaphthalene	40.000	39.430	1.4	102	0.00
38		1-Methylnaphthalene	40.000	39.416	1.5	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.480	1.3	100	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.055	-0.1	97	0.00
42	S	2,4,6-Tribromophenol	80.000	79.512	0.6	102	-0.01
43	C	2,4,6-Trichlorophenol	40.000	39.310	1.7	100	0.00
44		2,4,5-Trichlorophenol	40.000	39.352	1.6	100	0.00
45	S	2-Fluorobiphenyl	80.000	78.150	2.3	103	0.00
46		1,1'-Biphenyl	40.000	39.417	1.5	101	0.00
47		2-Chloronaphthalene	40.000	39.485	1.3	102	0.00

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.054	-0.1	101	0.00
49		Acenaphthylene	40.000	39.800	0.5	103	0.00
50		Dimethylphthalate	40.000	39.426	1.4	102	-0.01
51		2,6-Dinitrotoluene	40.000	39.701	0.7	100	0.00
52	C	Acenaphthene	40.000	38.936	2.7	99	0.00
53		3-Nitroaniline	40.000	39.406	1.5	101	0.00
54	P	2,4-Dinitrophenol	40.000	38.328	4.2	98	-0.01
55		Dibenzofuran	40.000	39.347	1.6	101	0.00
56	P	4-Nitrophenol	40.000	40.524	-1.3	99	-0.01
57		2,4-Dinitrotoluene	40.000	40.483	-1.2	103	-0.01
58		Fluorene	40.000	39.298	1.8	102	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.668	0.8	102	-0.01
60		Diethylphthalate	40.000	39.320	1.7	101	0.00
61		4-Chlorophenyl-phenylether	40.000	39.371	1.6	102	0.00
62		4-Nitroaniline	40.000	40.203	-0.5	100	-0.02
63		Azobenzene	40.000	39.181	2.0	101	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	101	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.992	0.0	99	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.446	1.4	102	-0.01
67		4-Bromophenyl-phenylether	40.000	38.862	2.8	100	0.00
68		Hexachlorobenzene	40.000	39.865	0.3	102	0.00
69		Atrazine	40.000	37.952	5.1	100	0.00
70	C	Pentachlorophenol	40.000	39.932	0.2	97	0.00
71		Phenanthrene	40.000	39.319	1.7	101	0.00
72		Anthracene	40.000	39.564	1.1	102	0.00
73		Carbazole	40.000	40.316	-0.8	103	0.00
74		Di-n-butylphthalate	40.000	40.060	-0.2	102	0.00
75	C	Fluoranthene	40.000	40.018	-0.0	103	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	106	0.00
77		Benzidine	40.000	44.226	-10.6	98	0.00
78		Pyrene	40.000	39.977	0.1	103	0.00
79	S	Terphenyl-d14	80.000	79.087	1.1	103	0.00
80		Butylbenzylphthalate	40.000	43.443	-8.6	111	0.00
81		Benzo(a)anthracene	40.000	39.598	1.0	103	0.00
82		3,3'-Dichlorobenzidine	40.000	40.414	-1.0	108	0.00
83		Chrysene	40.000	38.041	4.9	103	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.626	-14.1	116	0.00
85	c	Di-n-octyl phthalate	40.000	42.871	-7.2	111	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.313	-0.8	102	-0.01
88		Benzo(b)fluoranthene	40.000	42.468	-6.2	113	0.00
89		Benzo(k)fluoranthene	40.000	37.333	6.7	99	0.00
90	C	Benzo(a)pyrene	40.000	40.121	-0.3	106	0.00
91		Dibenzo(a,h)anthracene	40.000	40.397	-1.0	101	-0.01
92		Benzo(g,h,i)perylene	40.000	39.245	1.9	99	-0.02

Sample Results: **BF141506.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141531.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 02/10/2025 11:34

Lab File ID: BF141531.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.279		0.2	
Benzaldehyde	0.857	0.700		-18.3	
Phenol-d6	1.612	1.566		-2.9	
Phenol	1.678	1.634		-2.6	20.0
bis(2-Chloroethyl)ether	1.261	1.230		-2.5	
2-Chlorophenol	1.378	1.349		-2.1	
2-Methylphenol	1.079	1.053		-2.4	
2,2-oxybis(1-Chloropropane)	2.158	2.142		-0.7	
Acetophenone	0.498	0.483		-3.0	
3+4-Methylphenols	1.371	1.322		-3.6	
n-Nitroso-di-n-propylamine	0.964	0.933	0.050	-3.2	
Nitrobenzene-d5	0.383	0.378		-1.3	
Hexachloroethane	0.550	0.559		1.6	
Nitrobenzene	0.374	0.366		-2.1	
Isophorone	0.611	0.596		-2.5	
2-Nitrophenol	0.186	0.187		0.5	20.0
2,4-Dimethylphenol	0.217	0.215		-0.9	
bis(2-Chloroethoxy)methane	0.392	0.387		-1.3	
2,4-Dichlorophenol	0.294	0.288		-2.0	20.0
Naphthalene	1.041	1.032		-0.9	
4-Chloroaniline	0.363	0.347		-4.4	
Hexachlorobutadiene	0.192	0.197		2.6	20.0
Caprolactam	0.089	0.087		-2.2	
4-Chloro-3-methylphenol	0.325	0.317		-2.5	20.0
2-Methylnaphthalene	0.677	0.665		-1.8	
Hexachlorocyclopentadiene	0.192	0.179	0.050	-6.8	
2,4,6-Trichlorophenol	0.374	0.374		0.0	20.0
2-Fluorobiphenyl	1.298	1.277		-1.6	
2,4,5-Trichlorophenol	0.405	0.398		-1.7	
1,1-Biphenyl	1.551	1.532		-1.2	
2-Chloronaphthalene	1.147	1.143		-0.3	
2-Nitroaniline	0.385	0.373		-3.1	
Dimethylphthalate	1.358	1.328		-2.2	
Acenaphthylene	1.705	1.674		-1.8	
2,6-Dinitrotoluene	0.297	0.284		-4.4	
3-Nitroaniline	0.319	0.306		-4.1	
Acenaphthene	1.147	1.121		-2.3	20.0
2,4-Dinitrophenol	0.176	0.162	0.050	-8.0	
4-Nitrophenol	0.237	0.223	0.050	-5.9	

Raw Data: **BF141531.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1241 SAS No.: Q1241 SDG No.: Q1241

Instrument ID: BNA_F Calibration Date/Time: 02/10/2025 11:34

Lab File ID: BF141531.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.647		-2.1	
2,4-Dinitrotoluene	0.395	0.379		-4.1	
Diethylphthalate	1.336	1.307		-2.2	
4-Chlorophenyl-phenylether	0.626	0.625		-0.2	
Fluorene	1.301	1.275		-2.0	
4-Nitroaniline	0.324	0.303		-6.5	
4,6-Dinitro-2-methylphenol	0.139	0.133		-4.3	
n-Nitrosodiphenylamine	0.640	0.652		1.9	20.0
2,4,6-Tribromophenol	0.201	0.194		-3.5	
4-Bromophenyl-phenylether	0.224	0.230		2.7	
Hexachlorobenzene	0.230	0.235		2.2	
Atrazine	0.192	0.182		-5.2	
Pentachlorophenol	0.147	0.138		-6.1	20.0
Phenanthrene	1.101	1.104		0.3	
Anthracene	1.107	1.109		0.2	
Carbazole	0.996	0.971		-2.5	
Di-n-butylphthalate	1.150	1.153		0.3	
Fluoranthene	1.167	1.119		-4.1	20.0
Pyrene	1.703	1.809		6.2	
Terphenyl-d14	1.185	1.253		5.7	
Butylbenzylphthalate	0.590	0.627		6.3	
3,3-Dichlorobenzidine	0.381	0.373		-2.1	
Benzo(a)anthracene	1.329	1.304		-1.9	
Chrysene	1.228	1.236		0.7	
Bis(2-ethylhexyl)phthalate	0.665	0.755		13.5	
Di-n-octyl phthalate	0.949	1.170		23.3	20.0
Benzo(b)fluoranthene	1.343	1.384		3.1	
Benzo(k)fluoranthene	1.147	1.012		-11.8	
Benzo(a)pyrene	1.087	1.083		-0.4	20.0
Indeno(1,2,3-cd)pyrene	1.236	1.422		15.0	
Dibenzo(a,h)anthracene	1.001	1.172		17.1	
Benzo(g,h,i)perylene	1.048	1.227		17.1	
1,2,4,5-Tetrachlorobenzene	0.579	0.580		0.2	
1,4-Dioxane	0.513	0.497		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.335		-4.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	91504	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	356056	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	192109	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	313129	20.000	ng	0.00
76) Chrysene-d12	13.963	240	193608	20.000	ng	0.00
86) Perylene-d12	15.439	264	177316	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	467960	80.176	ng	0.00
7) Phenol-d6	6.434	99	573104	77.687	ng	0.00
23) Nitrobenzene-d5	7.357	82	538199	78.840	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	148831	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	981012	78.674	ng	0.00
79) Terphenyl-d14	12.898	244	970304	84.606	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.469	88	90976	38.728	ng	98
3) Pyridine	3.210	79	221401	39.606	ng	99
4) n-Nitrosodimethylamine	3.157	42	146628	39.614	ng	98
6) Aniline	6.451	93	272486	39.376	ng	90
8) 2-Chlorophenol	6.581	128	246962	39.158	ng	98
9) Benzaldehyde	6.339	77	128088	32.674	ng	100
10) Phenol	6.445	94	298987	38.940	ng	100
11) bis(2-Chloroethyl)ether	6.528	93	225126	39.036	ng	98
12) 1,3-Dichlorobenzene	6.734	146	264114	39.668	ng	99
13) 1,4-Dichlorobenzene	6.810	146	265465	39.023	ng	98
14) 1,2-Dichlorobenzene	6.963	146	252344	39.967	ng	98
15) Benzyl Alcohol	6.934	79	223304	39.473	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	392078	39.715	ng	99
17) 2-Methylphenol	7.051	107	192649	39.034	ng	99
18) Hexachloroethane	7.298	117	102320	40.642	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	170797	38.706	ng	100
20) 3+4-Methylphenols	7.204	107	241913	38.569	ng	96
22) Acetophenone	7.204	105	343898	38.827	ng	98
24) Nitrobenzene	7.375	77	260329	39.108	ng	98
25) Isophorone	7.616	82	424424	38.993	ng	99
26) 2-Nitrophenol	7.692	139	132810	40.102	ng	96
27) 2,4-Dimethylphenol	7.734	122	152895	39.519	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	275268	39.467	ng	99
29) 2,4-Dichlorophenol	7.939	162	205336	39.280	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	226022	39.705	ng	98
31) Naphthalene	8.098	128	734667	39.639	ng	100
32) Benzoic acid	7.857	122	139602	34.738	ng	99
33) 4-Chloroaniline	8.145	127	247243	38.208	ng	99
34) Hexachlorobutadiene	8.210	225	140298	41.054	ng	99
35) Caprolactam	8.516	113	61657	38.739	ng	98
36) 4-Chloro-3-methylphenol	8.633	107	225523	38.947	ng	100
37) 2-Methylnaphthalene	8.786	142	473288	39.242	ng	100
38) 1-Methylnaphthalene	8.886	142	454754	38.931	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	222962	40.116	ng	98
41) Hexachlorocyclopentadiene	8.933	237	68717	37.172	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	143507	39.950	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

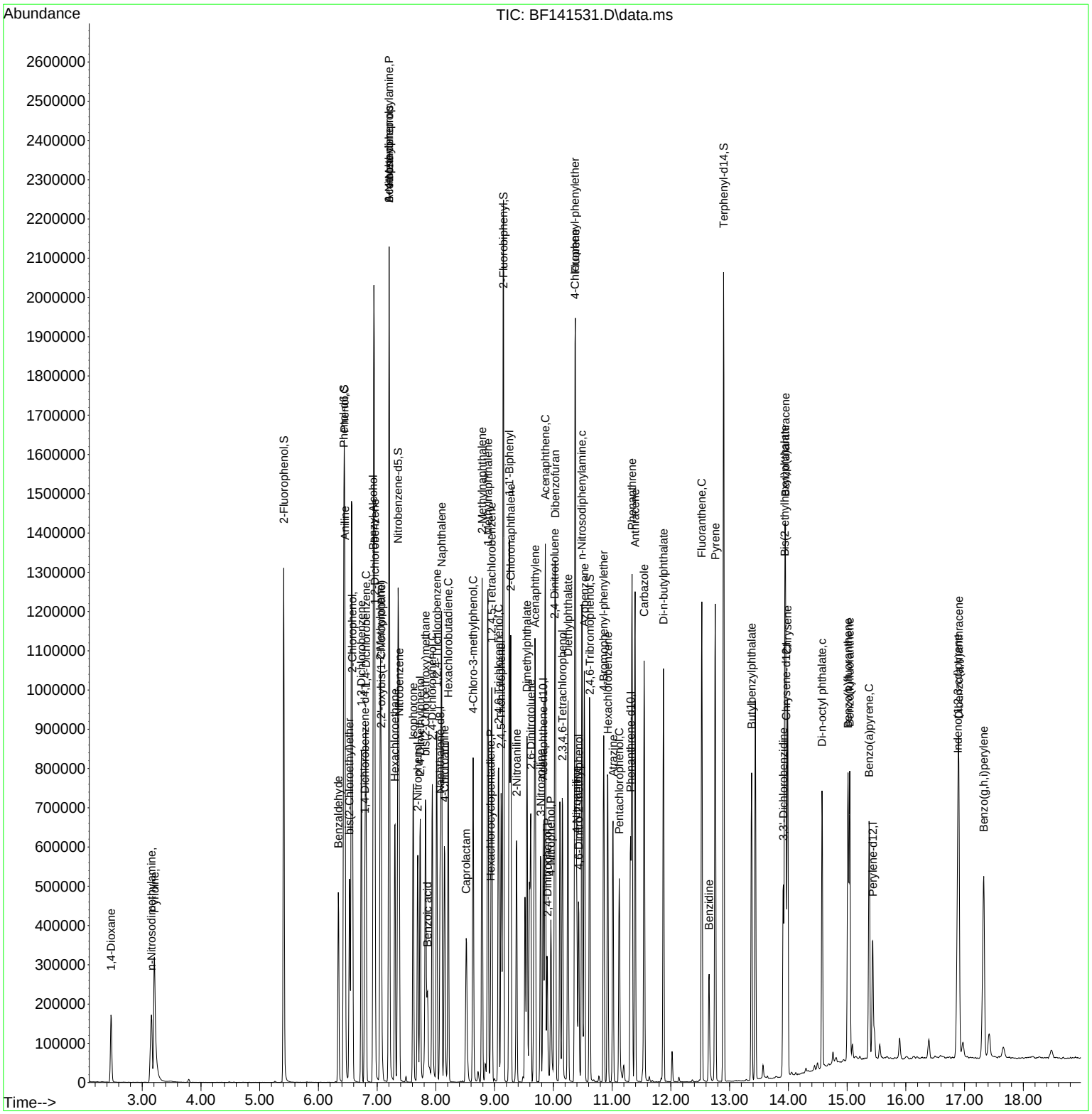
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	152923	39.281	ng	98
46) 1,1'-Biphenyl	9.251	154	588561	39.517	ng	99
47) 2-Chloronaphthalene	9.275	162	439299	39.887	ng	99
48) 2-Nitroaniline	9.375	65	143494	38.822	ng	96
49) Acenaphthylene	9.692	152	643014	39.253	ng	100
50) Dimethylphthalate	9.551	163	510097	39.112	ng	99
51) 2,6-Dinitrotoluene	9.616	165	109011	38.236	ng	98
52) Acenaphthene	9.863	154	430608	39.100	ng	99
53) 3-Nitroaniline	9.786	138	117555	38.310	ng	97
54) 2,4-Dinitrophenol	9.898	184	62096	36.647	ng	95
55) Dibenzofuran	10.033	168	632974	39.157	ng	99
56) 4-Nitrophenol	9.957	139	85776	37.656	ng	98
57) 2,4-Dinitrotoluene	10.022	165	145558	38.351	ng	99
58) Fluorene	10.375	166	489982	39.202	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	128800	38.428	ng	97
60) Diethylphthalate	10.251	149	502338	39.149	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	240325	39.967	ng	98
62) 4-Nitroaniline	10.398	138	116557	37.408	ng	100
63) Azobenzene	10.527	77	501802	39.338	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	83522	38.398	ng	95
66) n-Nitrosodiphenylamine	10.486	169	408555	40.759	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	144175	41.197	ng	97
68) Hexachlorobenzene	10.927	284	147297	40.874	ng	99
69) Atrazine	11.016	200	114088	37.940	ng	98
70) Pentachlorophenol	11.122	266	86291	37.449	ng	98
71) Phenanthrene	11.339	178	691100	40.095	ng	100
72) Anthracene	11.392	178	694305	40.071	ng	100
73) Carbazole	11.545	167	608137	39.007	ng	100
74) Di-n-butylphthalate	11.874	149	722112	40.113	ng	100
75) Fluoranthene	12.527	202	700802	38.350	ng	99
77) Benzidine	12.651	184	158992	37.236	ng	100
78) Pyrene	12.757	202	700603	42.509	ng	99
80) Butylbenzylphthalate	13.374	149	242906	42.551	ng	100
81) Benzo(a)anthracene	13.951	228	505085	39.246	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	144386	39.165	ng	97
83) Chrysene	13.986	228	478477	40.265	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	292322	45.402	ng	99
85) Di-n-octyl phthalate	14.574	149	453134	49.334	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	504388	46.037	ng	100
88) Benzo(b)fluoranthene	15.015	252	490636	41.209	ng	99
89) Benzo(k)fluoranthene	15.045	252	359014	35.313	ng	98
90) Benzo(a)pyrene	15.374	252	383923	39.851	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	415551	46.809	ng	98
92) Benzo(g,h,i)perylene	17.327	276	435173	46.843	ng	99

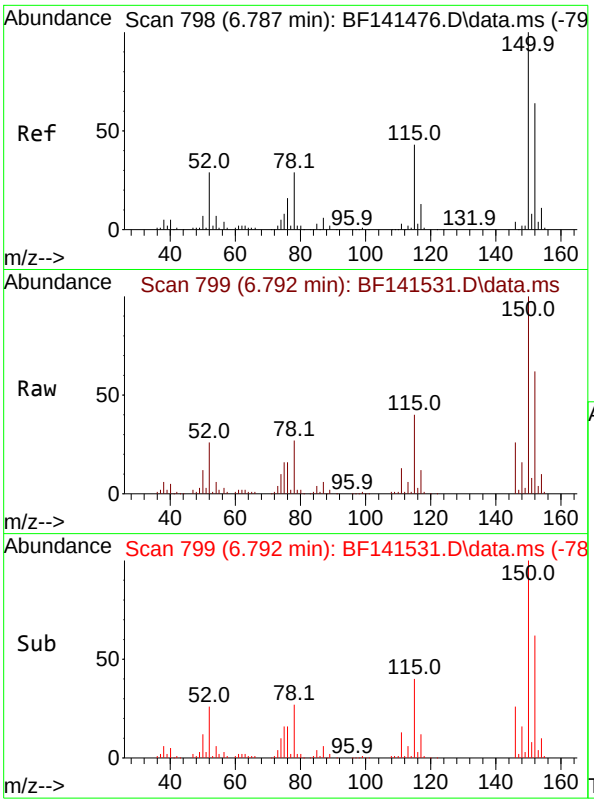
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



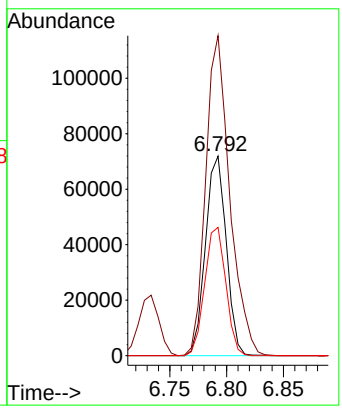


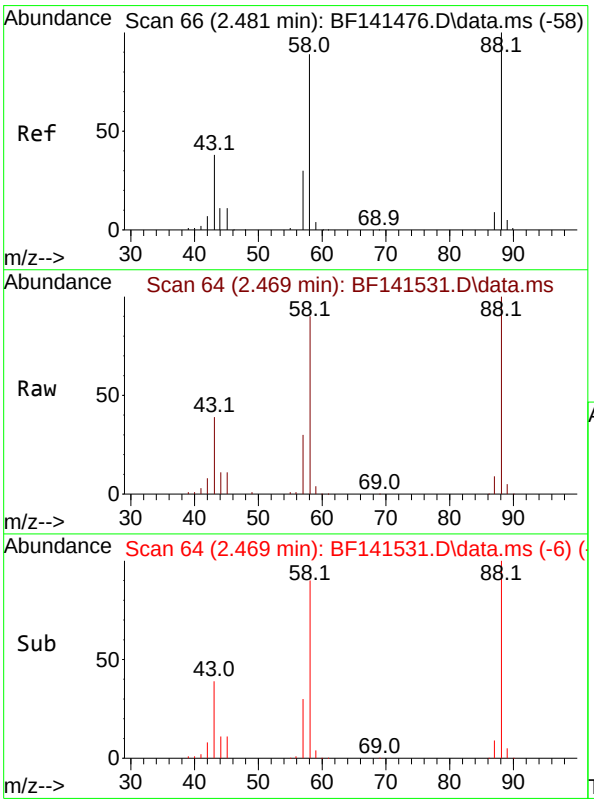
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 91504

Ion	Ratio	Lower	Upper
152	100		
150	160.4	125.0	187.4
115	64.3	53.6	80.4

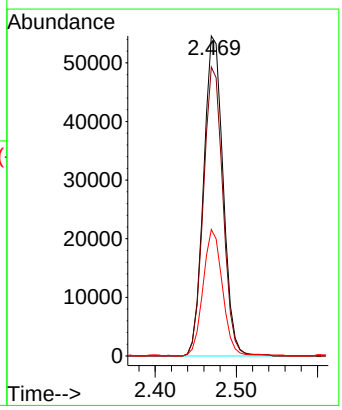


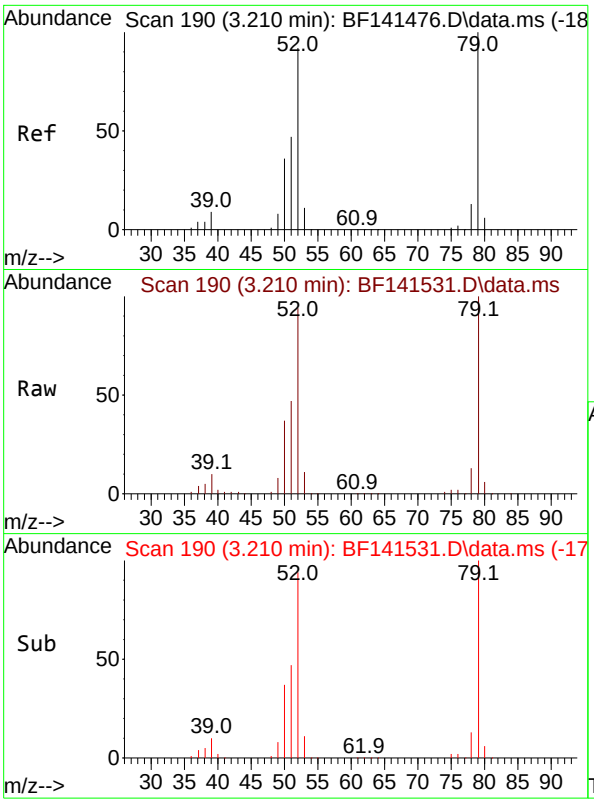


#2
1,4-Dioxane
Concen: 38.728 ng
RT: 2.469 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 88 Resp: 90976

Ion	Ratio	Lower	Upper
88	100		
58	90.2	71.1	106.7
43	39.7	30.6	46.0



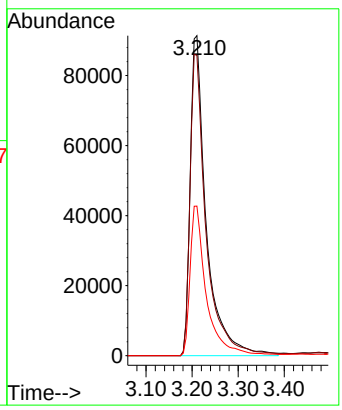


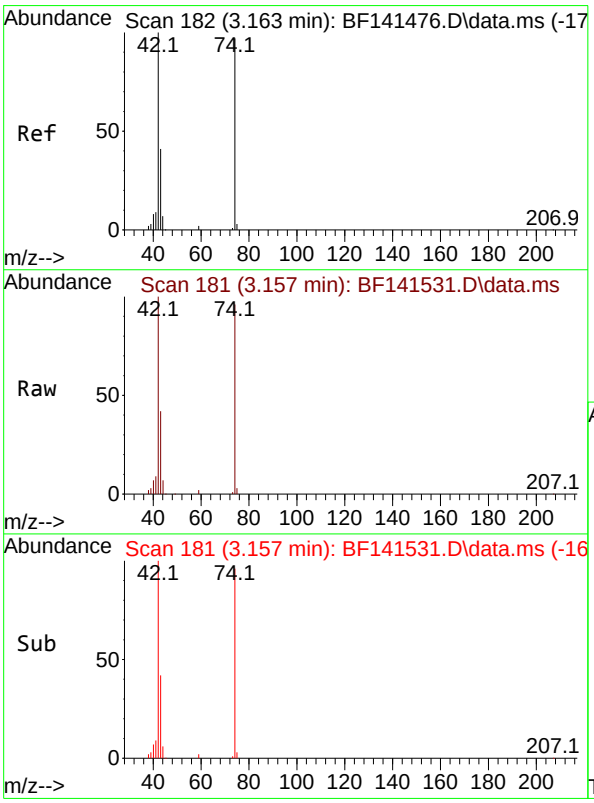
#3
Pyridine
Concen: 39.606 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 221401

Ion	Ratio	Lower	Upper
79	100		
52	93.9	73.7	110.5
51	46.8	37.5	56.3

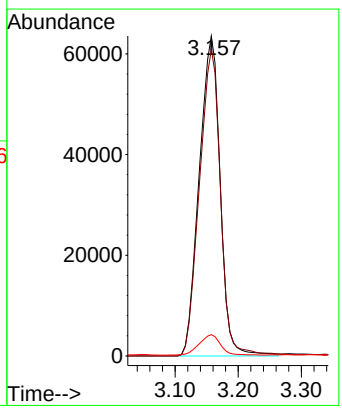


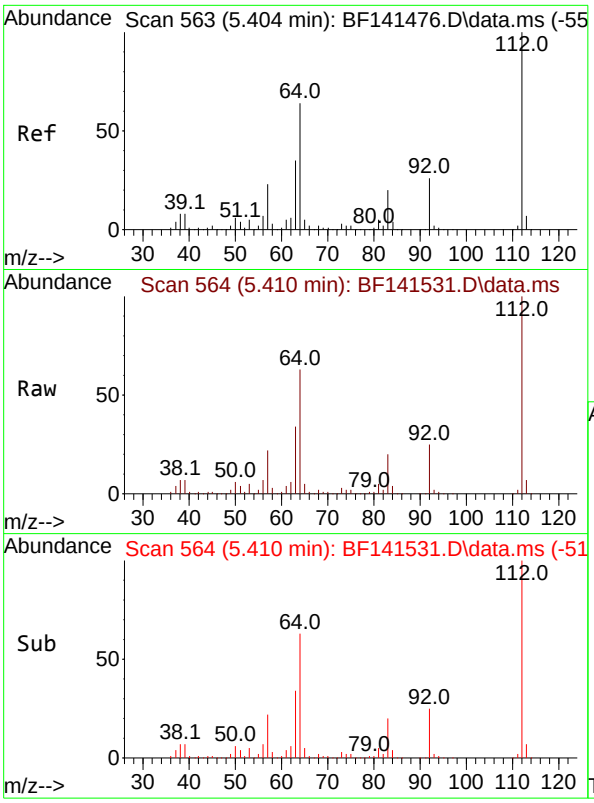


#4
n-Nitrosodimethylamine
Concen: 39.614 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 42 Resp: 146628

Ion	Ratio	Lower	Upper
42	100		
74	95.8	78.0	117.0
44	6.7	5.4	8.2



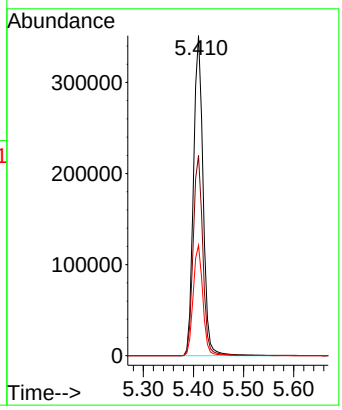


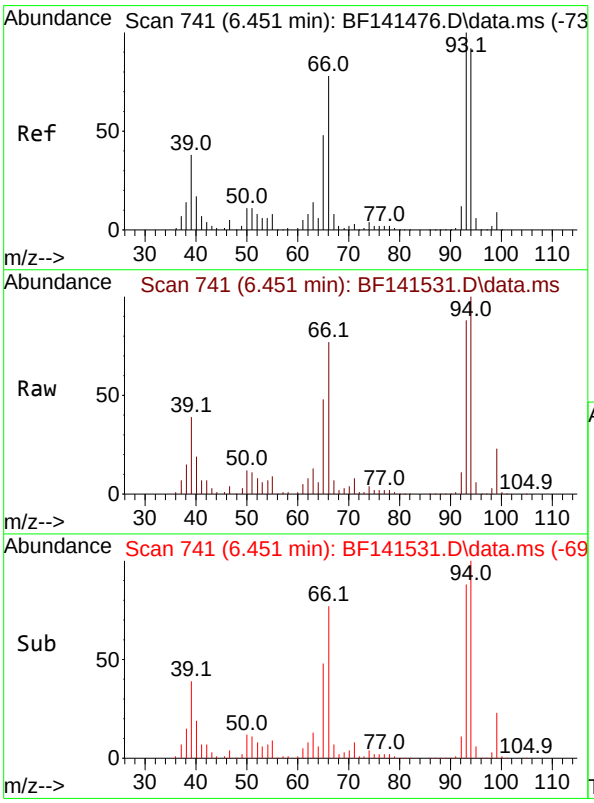
#5
2-Fluorophenol
Concen: 80.176 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 467960

Ion	Ratio	Lower	Upper
112	100		
64	62.6	51.1	76.7
63	34.5	28.4	42.6

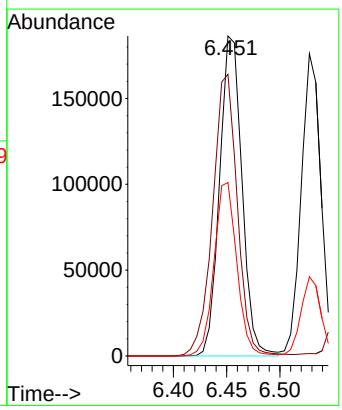


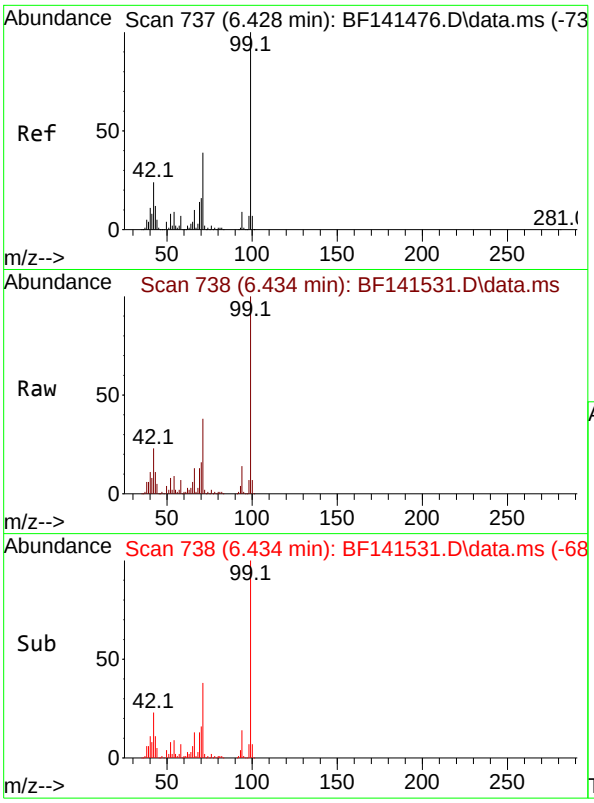


#6
Aniline
Concen: 39.376 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 272486

Ion	Ratio	Lower	Upper
93	100		
66	88.0	62.6	94.0
65	54.2	38.3	57.5



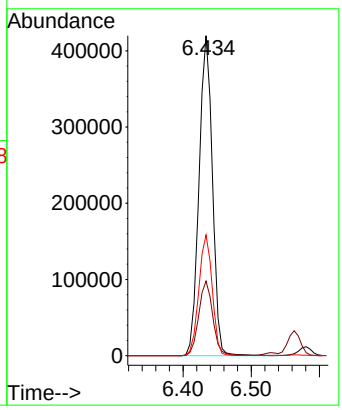


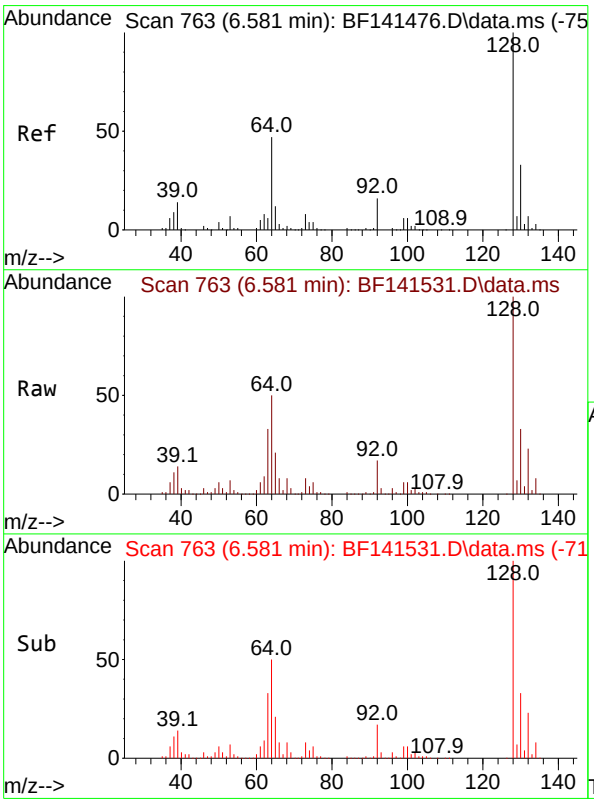
#7
Phenol-d6
Concen: 77.687 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 573104

Ion	Ratio	Lower	Upper
99	100		
42	23.3	19.1	28.7
71	37.8	31.1	46.7

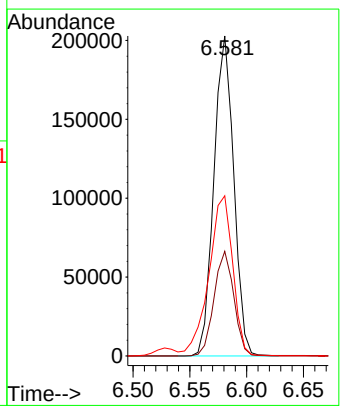


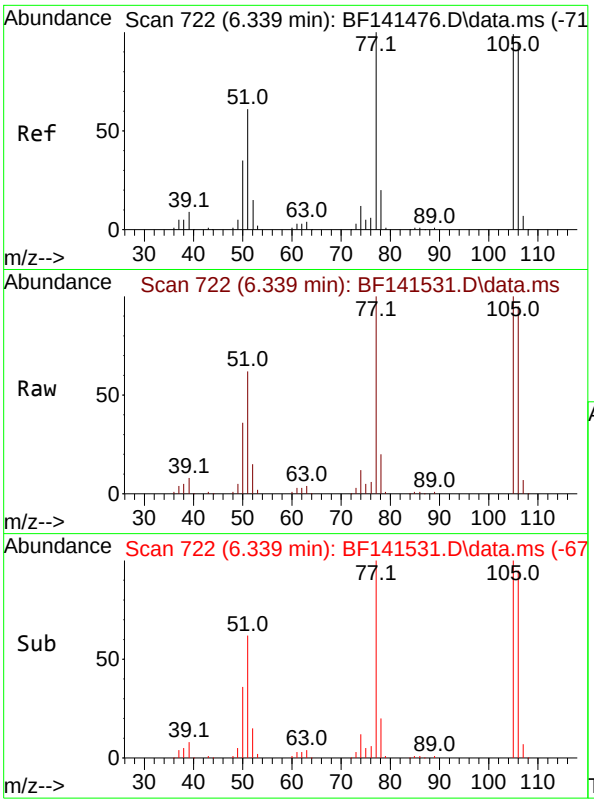


#8
2-Chlorophenol
Concen: 39.158 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:128 Resp: 246962

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	50.1	28.3	68.3



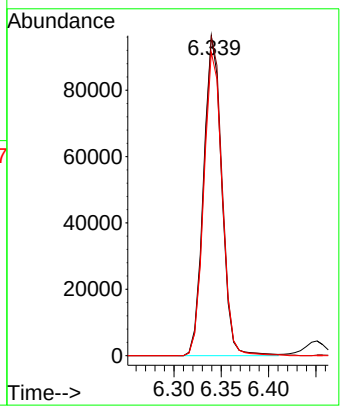


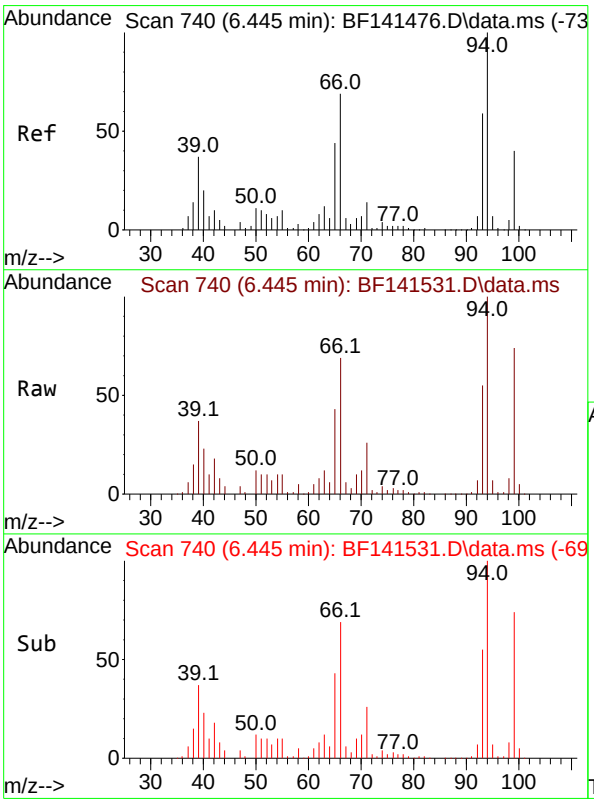
#9
Benzaldehyde
Concen: 32.674 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 128088

Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.4	119.4
106	94.8	75.1	115.1

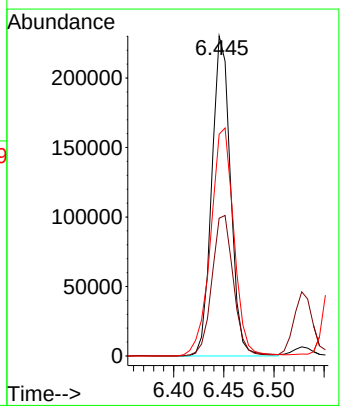


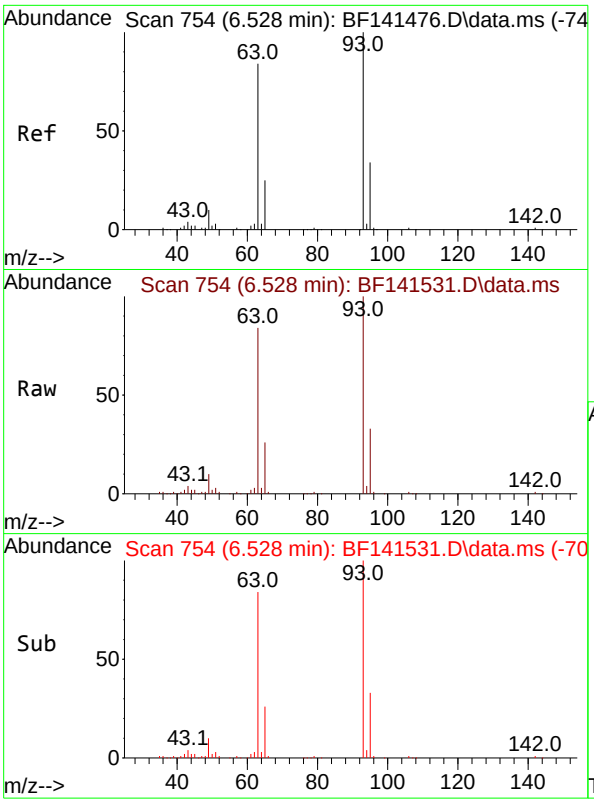


#10
Phenol
Concen: 38.940 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 94 Resp: 298987

Ion	Ratio	Lower	Upper
94	100		
65	43.1	23.7	63.7
66	69.3	49.3	89.3



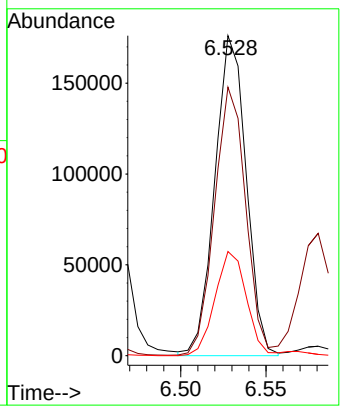


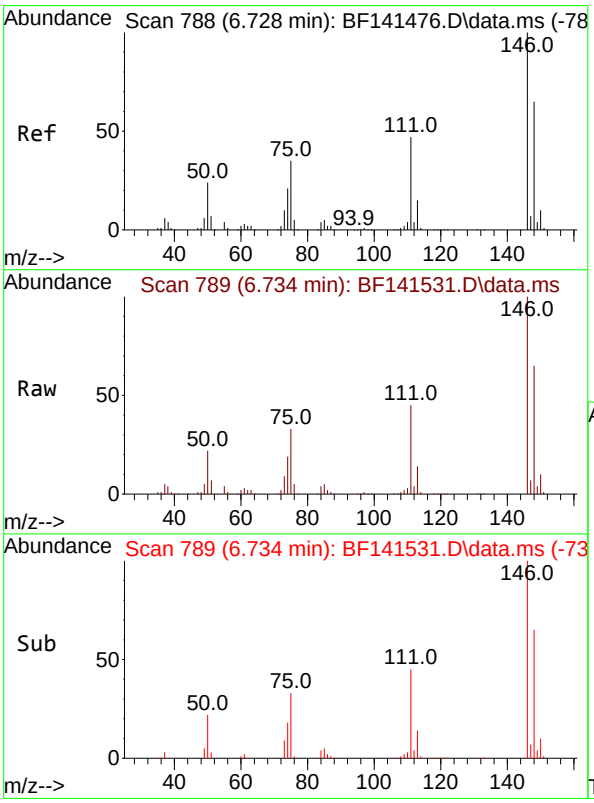
#11
bis(2-Chloroethyl)ether
Concen: 39.036 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 225126

Ion	Ratio	Lower	Upper
93	100		
63	83.9	62.0	102.0
95	32.5	12.6	52.6

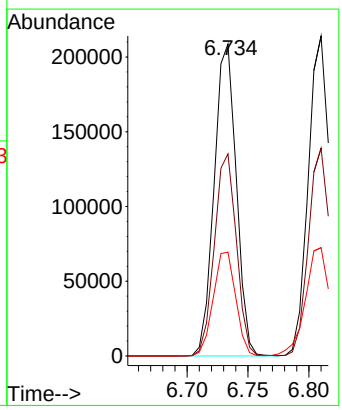


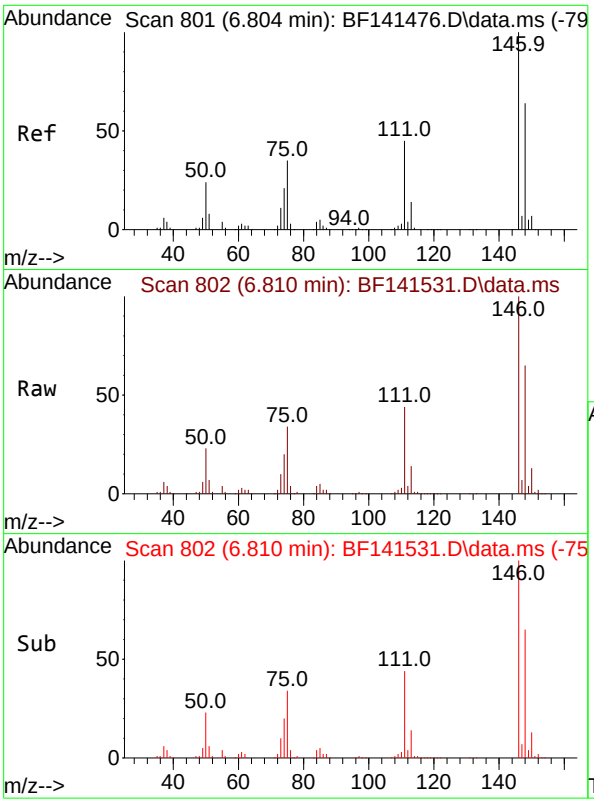


#12
1,3-Dichlorobenzene
Concen: 39.668 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 264114

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	33.3	28.2	42.2



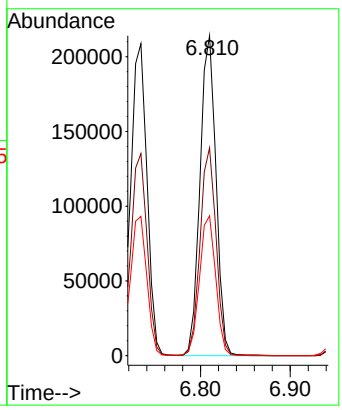


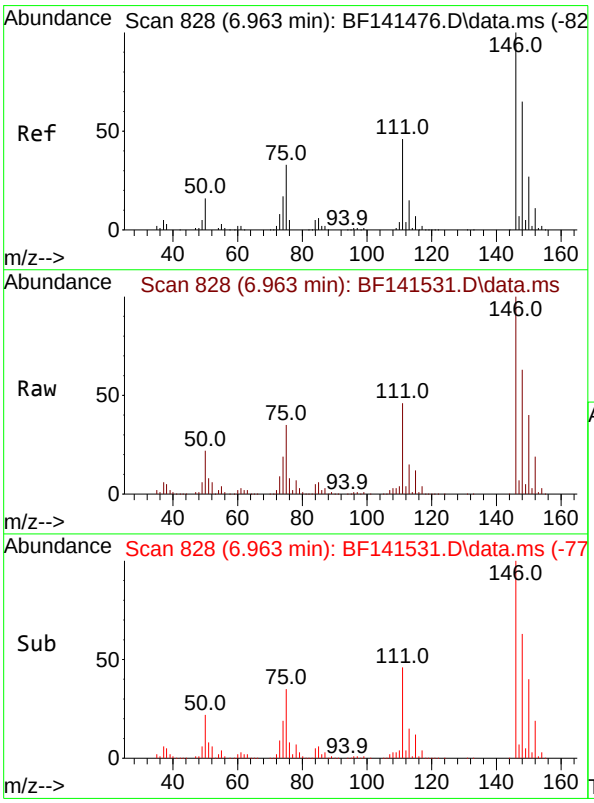
#13
1,4-Dichlorobenzene
Concen: 39.023 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 265465

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.9	76.3
111	43.7	35.9	53.9

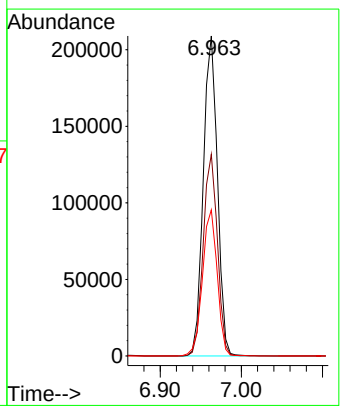


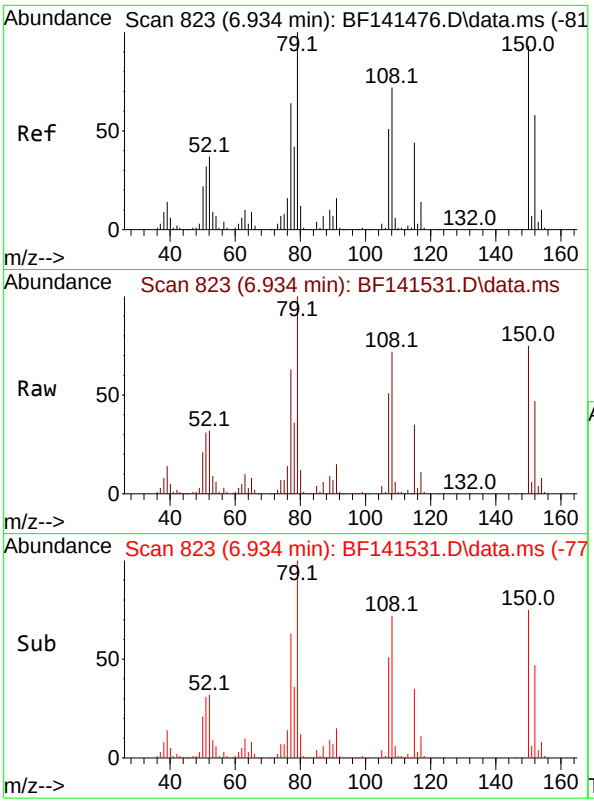


#14
1,2-Dichlorobenzene
Concen: 39.967 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:146 Resp: 252344

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.8	77.6
111	45.6	37.0	55.4



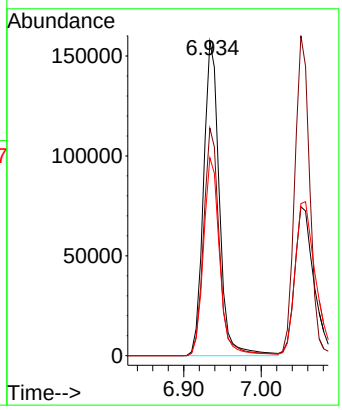


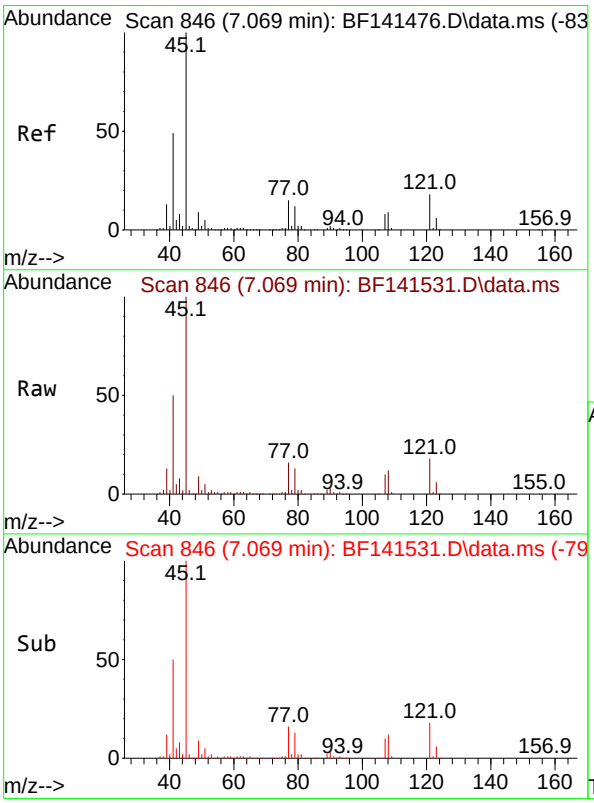
#15
Benzyl Alcohol
Concen: 39.473 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 223304

Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.4	86.2
77	63.0	50.9	76.3

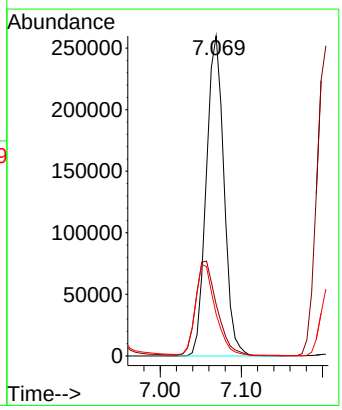


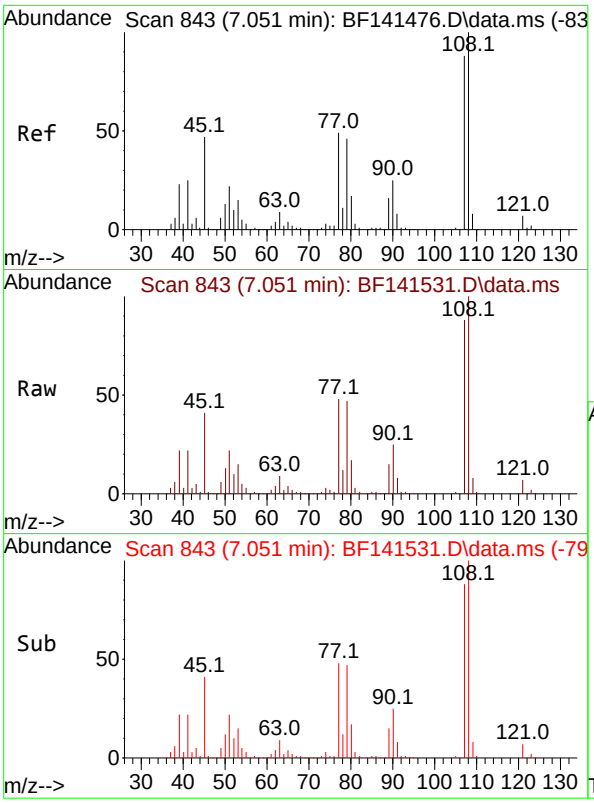


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.715 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 392078

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	35.8
79	13.1	0.0	32.7



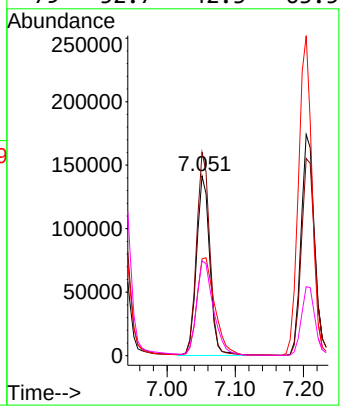


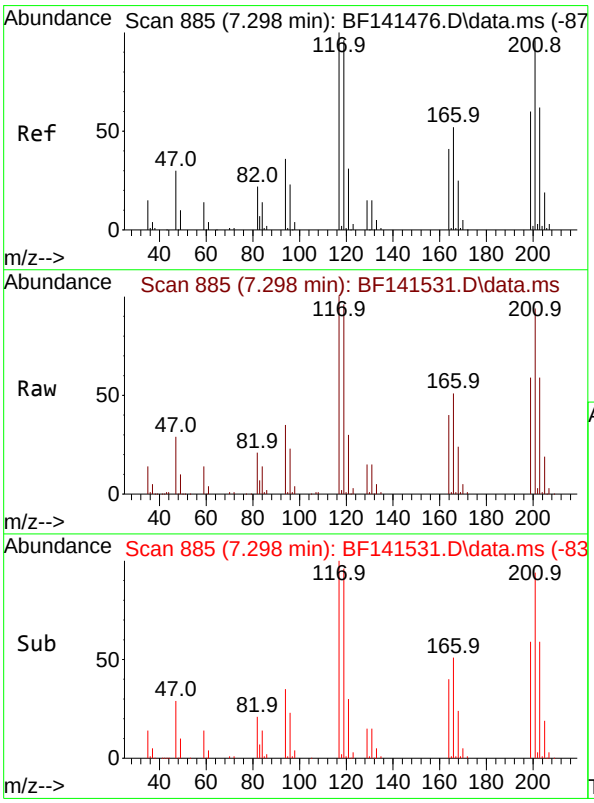
#17
2-Methylphenol
Concen: 39.034 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 192649

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	136.0
77	53.8	44.4	66.6
79	52.7	42.3	63.5

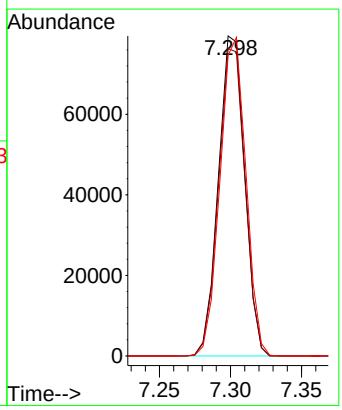


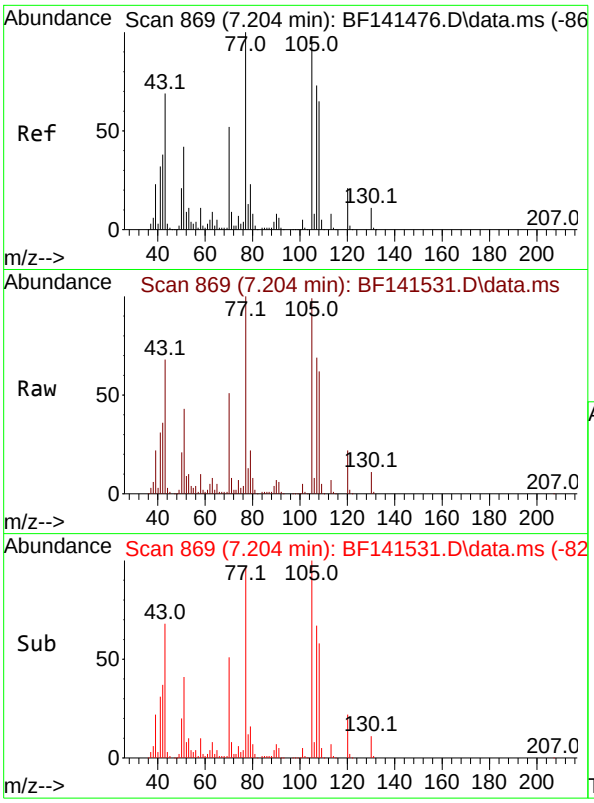


#18
Hexachloroethane
Concen: 40.642 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:117 Resp: 102320

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
201	93.9	76.7	115.1



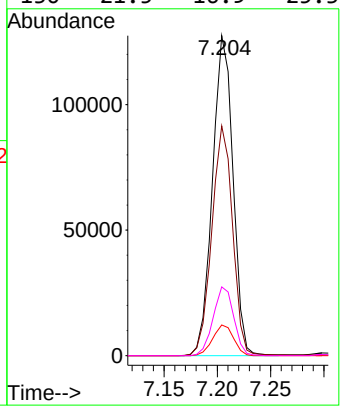


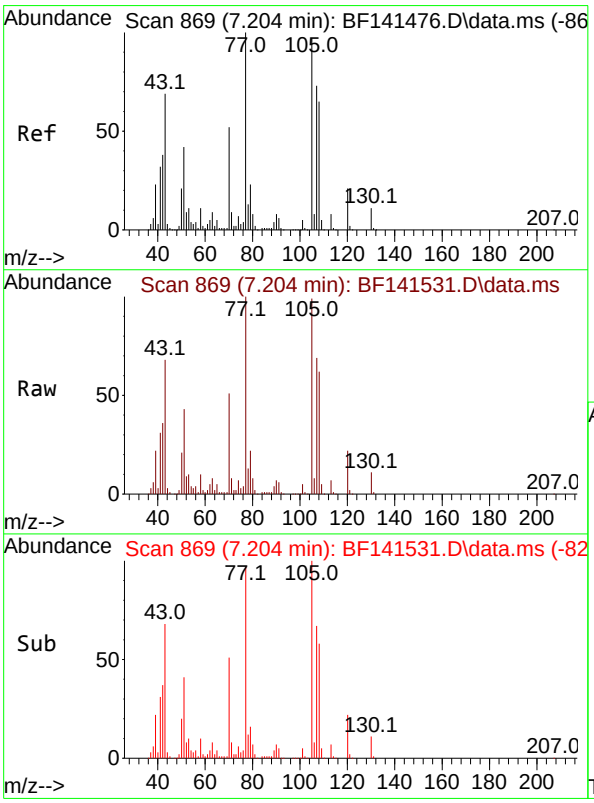
#19
n-Nitroso-di-n-propylamine
Concen: 38.706 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 170797

Ion	Ratio	Lower	Upper
70	100		
42	71.8	57.4	86.2
101	9.6	8.0	12.0
130	21.5	16.9	25.3

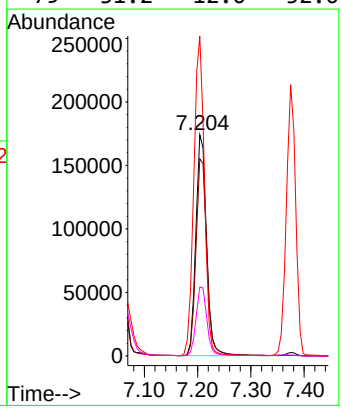


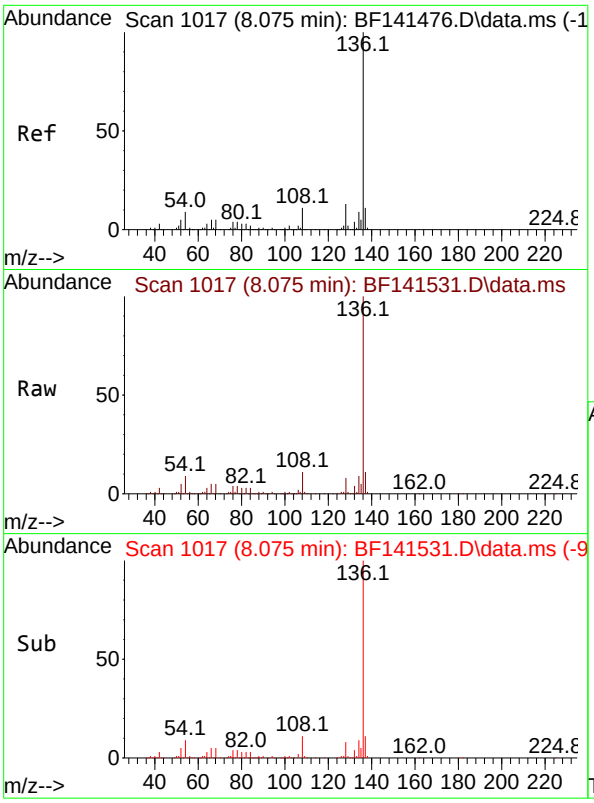


#20
3+4-Methylphenols
Concen: 38.569 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:107 Resp: 241913

Ion	Ratio	Lower	Upper
107	100		
108	89.2	68.5	108.5
77	144.7	116.5	156.5
79	31.2	12.0	52.0



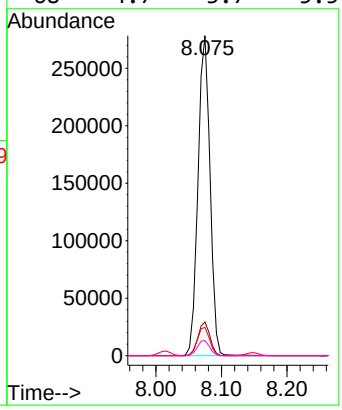


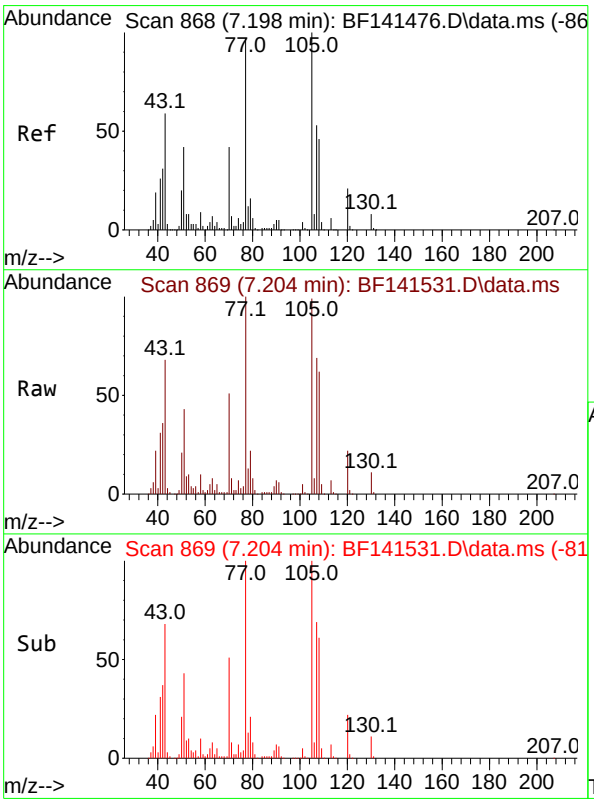
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 356056

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.9	7.2	10.8
68	4.7	3.7	5.5

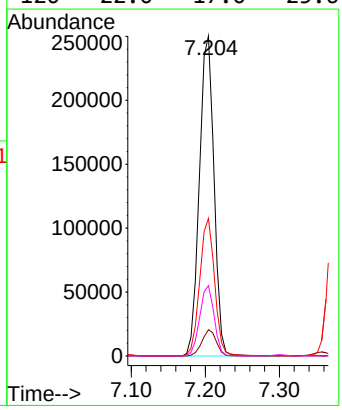


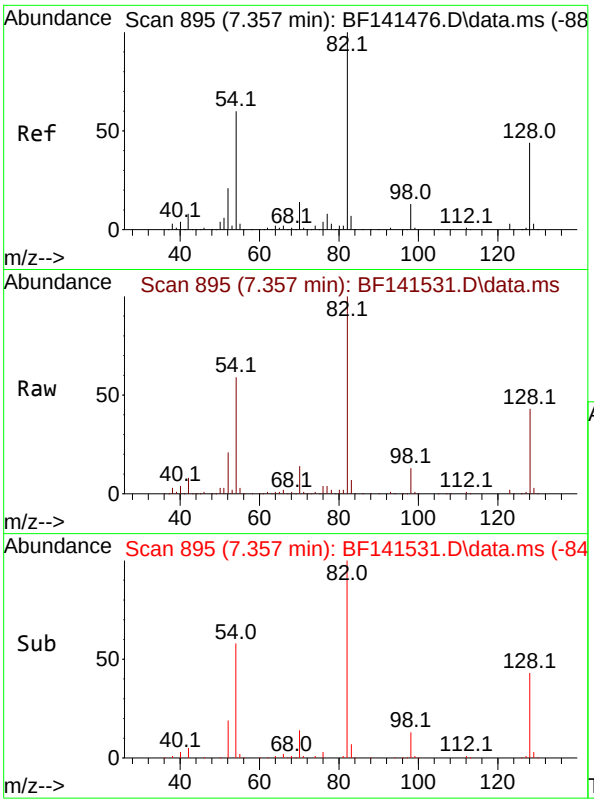


#22
Acetophenone
Concen: 38.827 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 343898

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.7	8.5
51	43.0	33.7	50.5
120	22.0	17.0	25.6



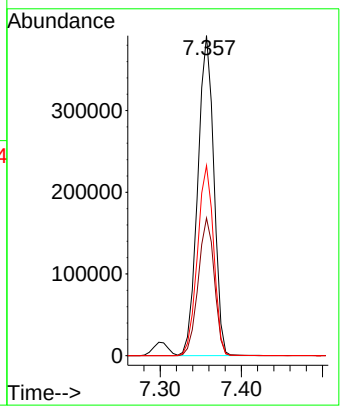


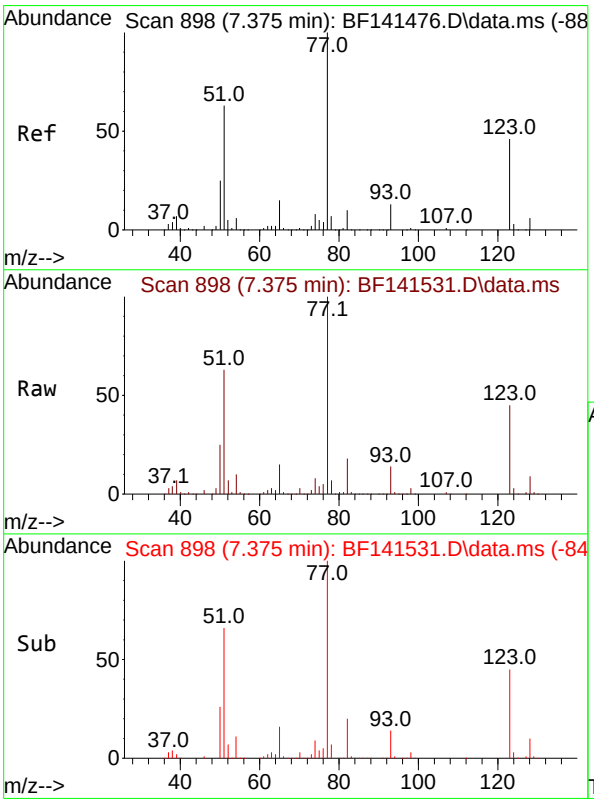
#23
Nitrobenzene-d5
Concen: 78.840 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 538199

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.8	52.2
54	59.4	48.2	72.4

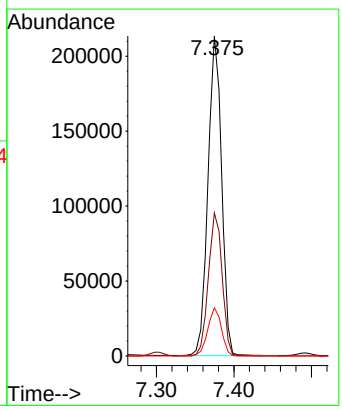


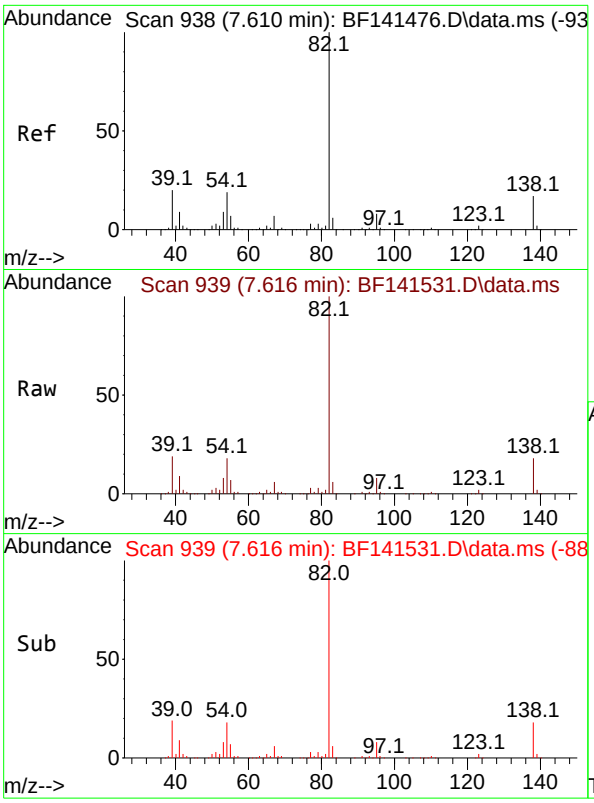


#24
Nitrobenzene
Concen: 39.108 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 260329

Ion	Ratio	Lower	Upper
77	100		
123	44.7	36.9	55.3
65	15.0	11.9	17.9



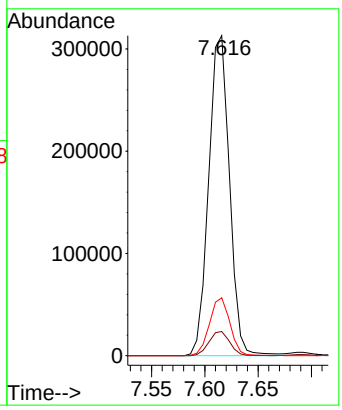


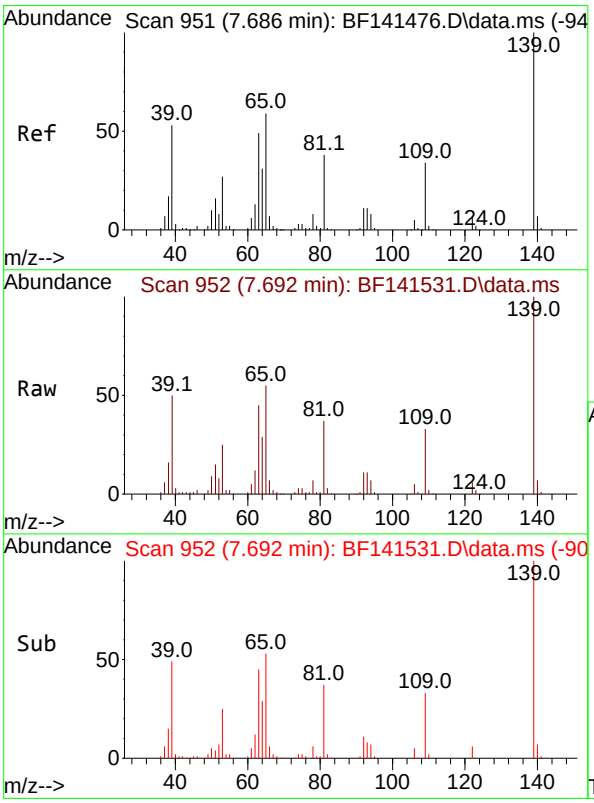
#25
Isophorone
Concen: 38.993 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 424424

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.1	13.9	20.9

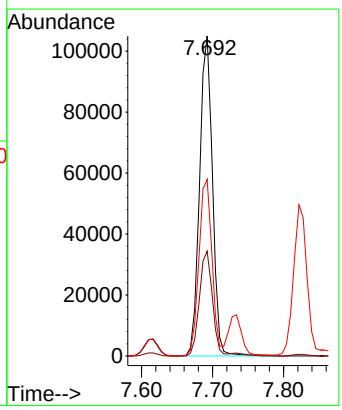


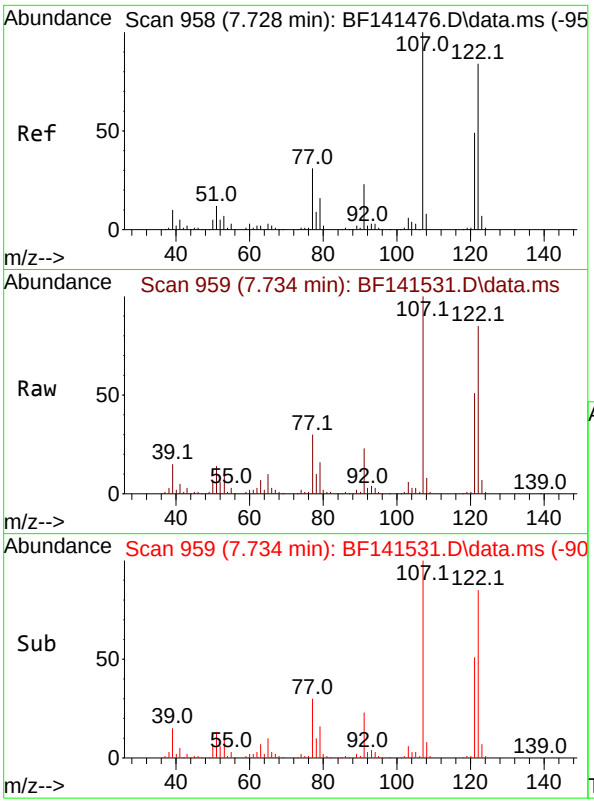


#26
2-Nitrophenol
Concen: 40.102 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:139 Resp: 132810

Ion	Ratio	Lower	Upper
139	100		
109	32.7	27.0	40.6
65	55.2	47.1	70.7



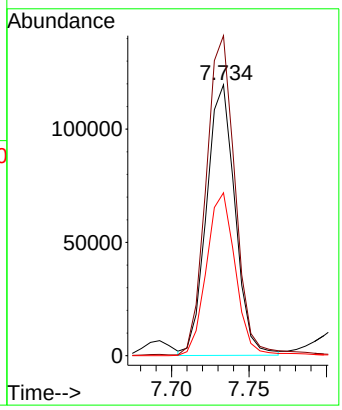


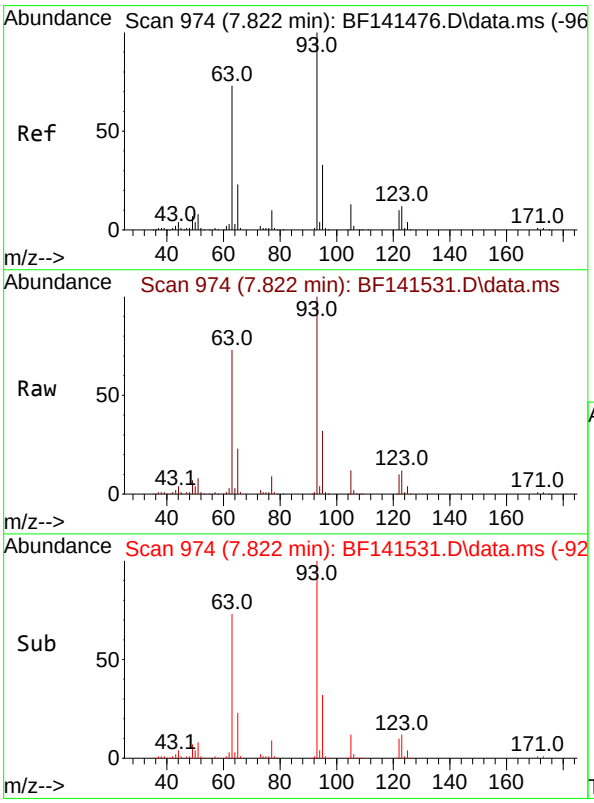
#27
2,4-Dimethylphenol
Concen: 39.519 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 152895

Ion	Ratio	Lower	Upper
122	100		
107	118.1	94.3	141.5
121	60.1	46.0	69.0

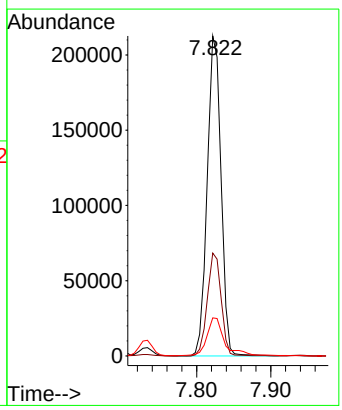


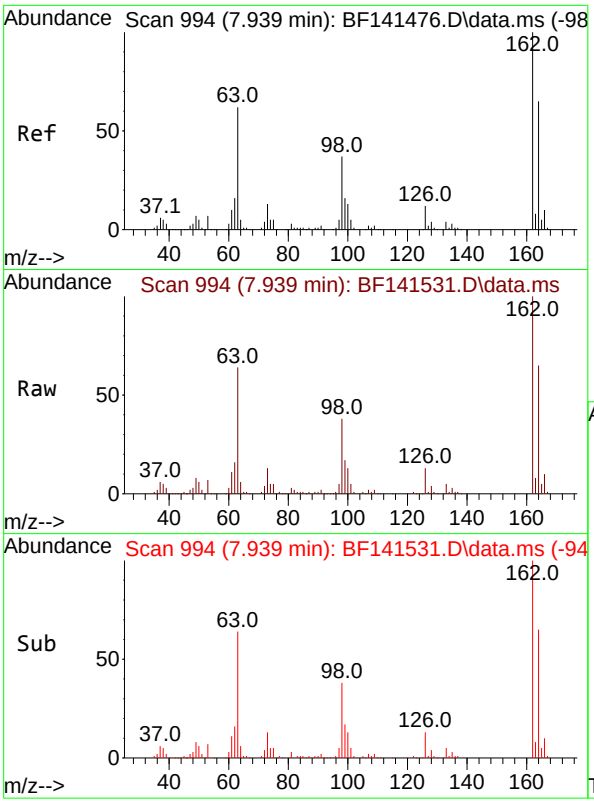


#28
bis(2-Chloroethoxy)methane
Concen: 39.467 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 93 Resp: 275268

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.1	39.1
123	11.9	9.5	14.3



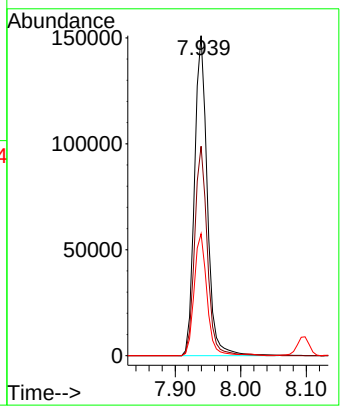


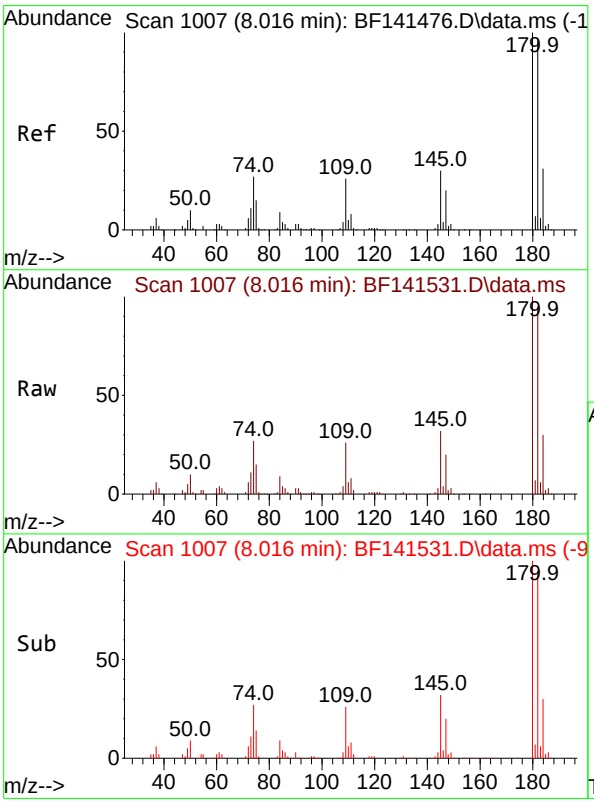
#29
2,4-Dichlorophenol
Concen: 39.280 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 205336

Ion	Ratio	Lower	Upper
162	100		
164	65.5	44.6	84.6
98	38.1	17.2	57.2

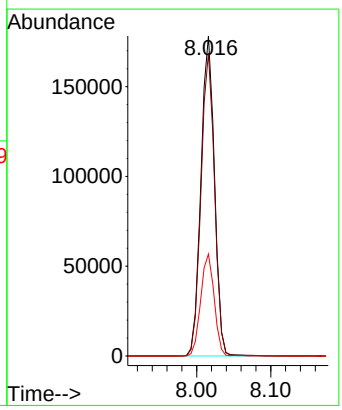


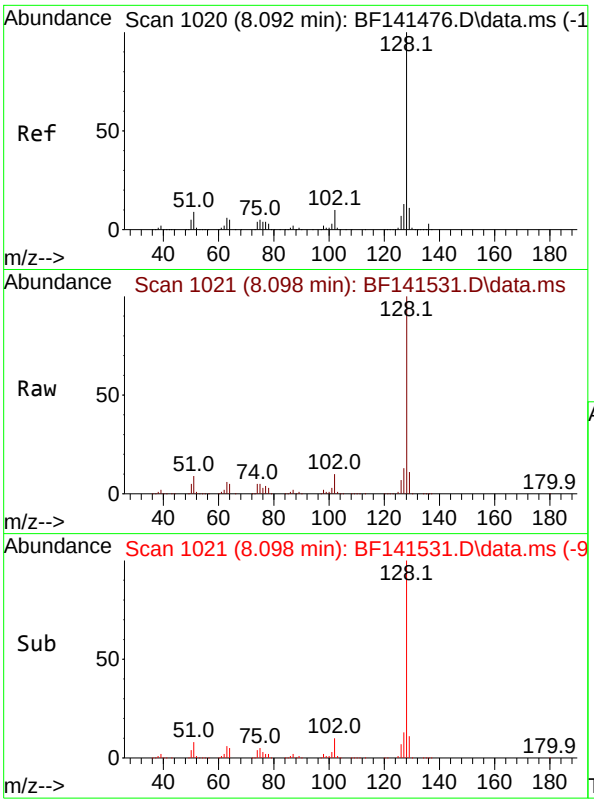


#30
1,2,4-Trichlorobenzene
Concen: 39.705 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 226022

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.8	115.2
145	31.9	24.2	36.4



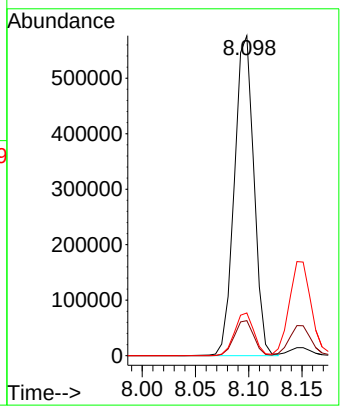


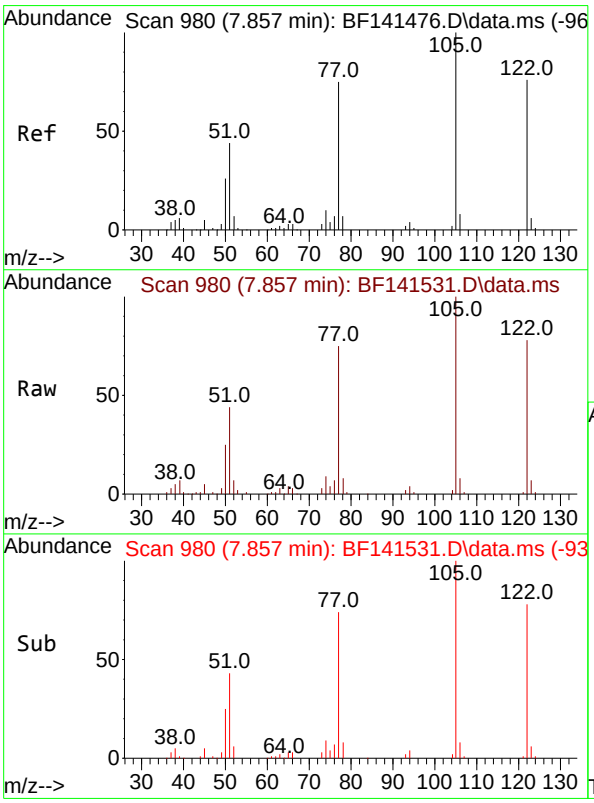
#31
Naphthalene
Concen: 39.639 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 734667

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.7	16.1

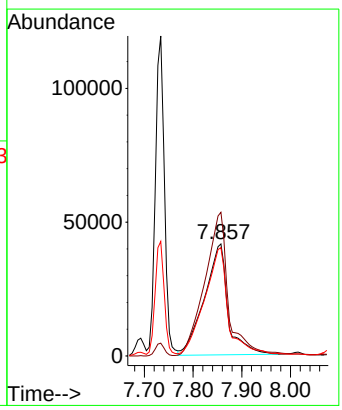


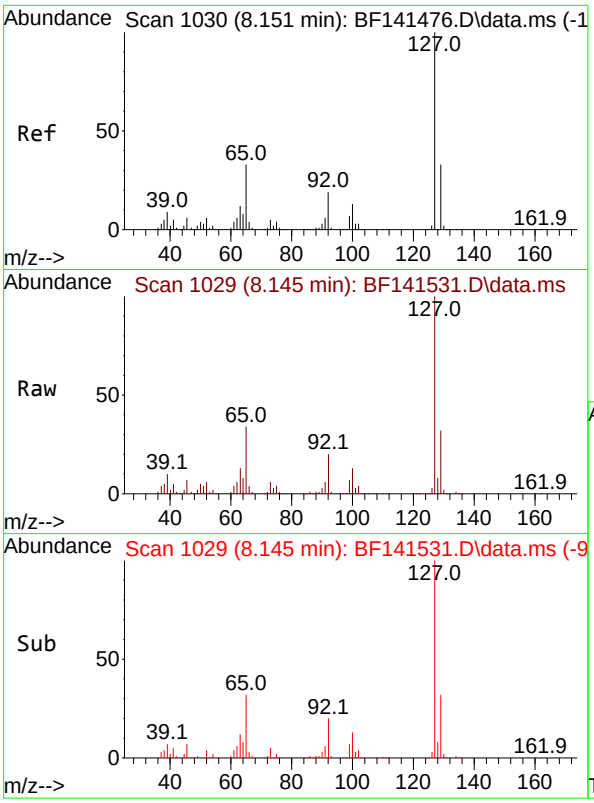


#32
Benzoic acid
Concen: 34.738 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:122 Resp: 139602

Ion	Ratio	Lower	Upper
122	100		
105	128.4	106.5	146.5
77	96.8	76.3	116.3



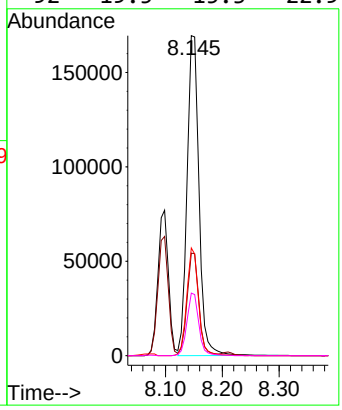


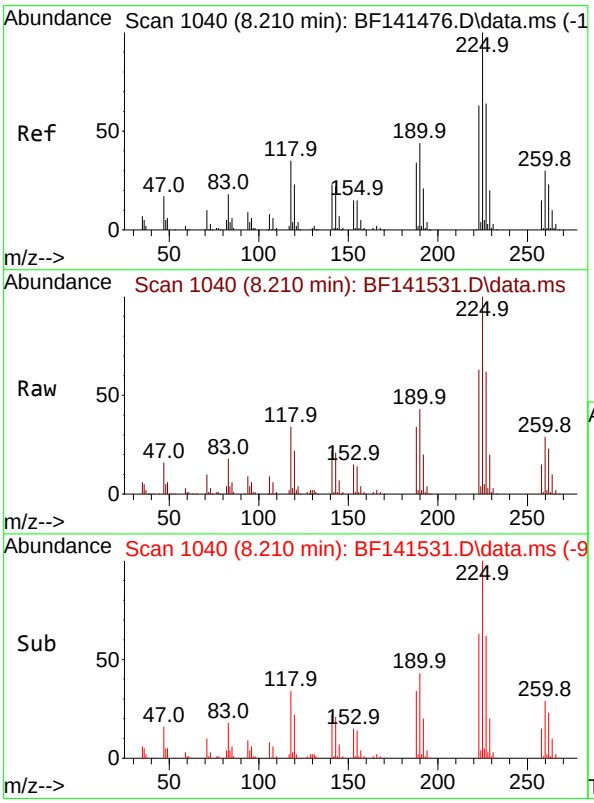
#33
4-Chloroaniline
Concen: 38.208 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 247243

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.5	39.7
65	33.6	26.4	39.6
92	19.5	15.3	22.9

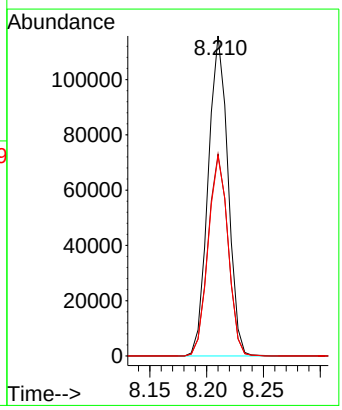


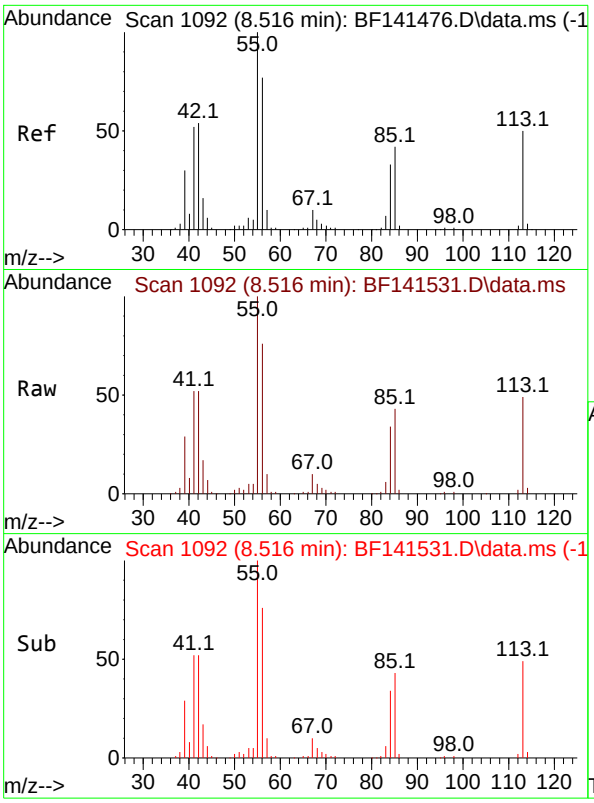


#34
Hexachlorobutadiene
Concen: 41.054 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:225 Resp: 140298

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	62.4	51.0	76.6



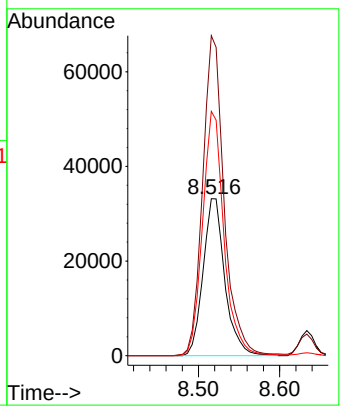


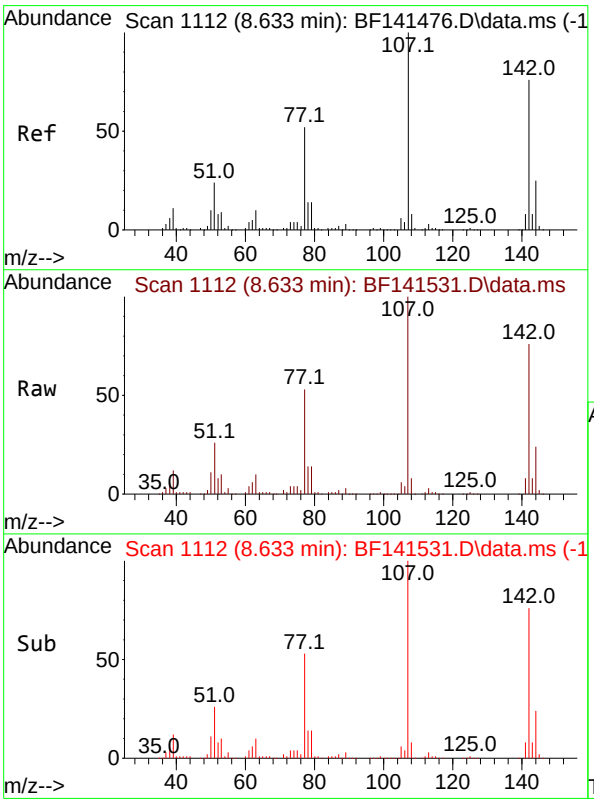
#35
Caprolactam
Concen: 38.739 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 61657

Ion	Ratio	Lower	Upper
113	100		
55	203.9	180.8	220.8
56	155.7	133.6	173.6

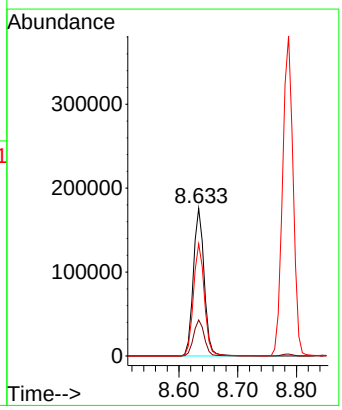


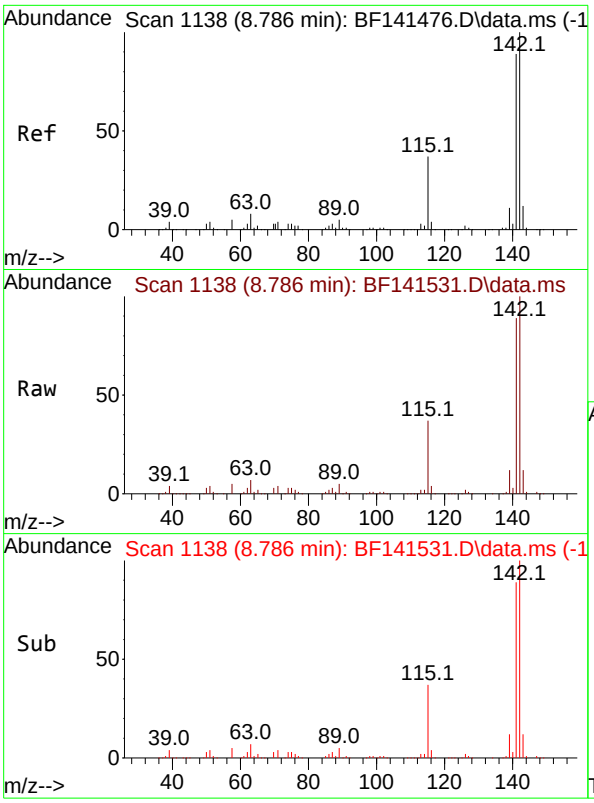


#36
4-Chloro-3-methylphenol
Concen: 38.947 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:107 Resp: 225523

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.7	29.5
142	76.0	60.8	91.2



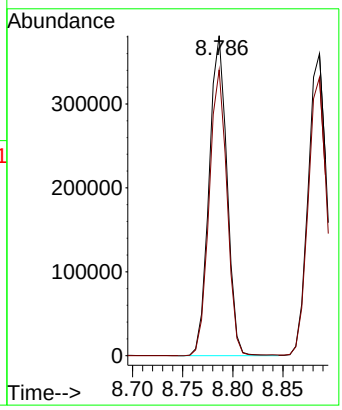


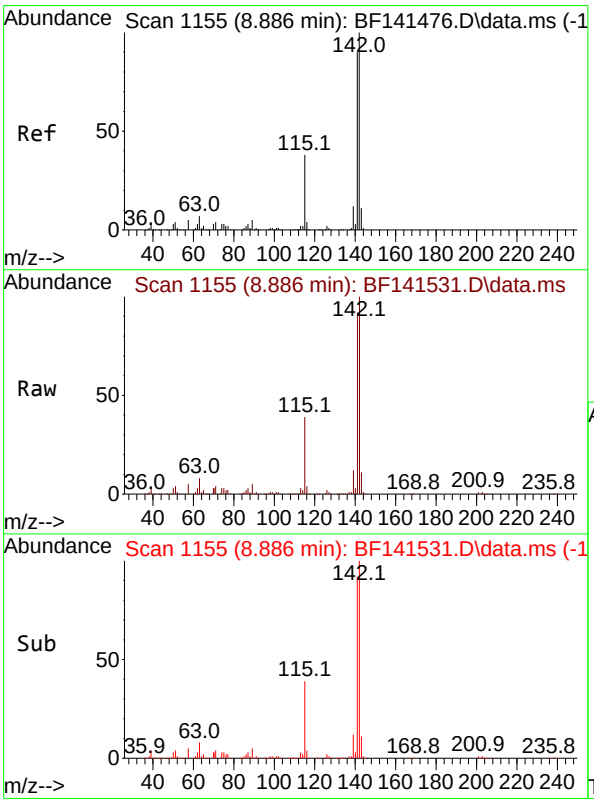
#37
2-Methylnaphthalene
Concen: 39.242 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 473288

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.2	106.8

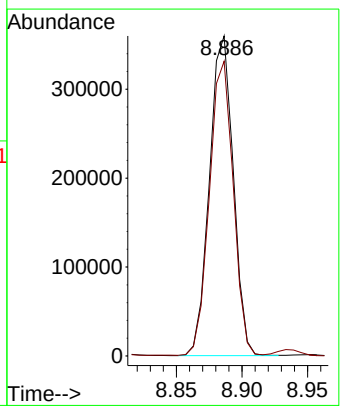


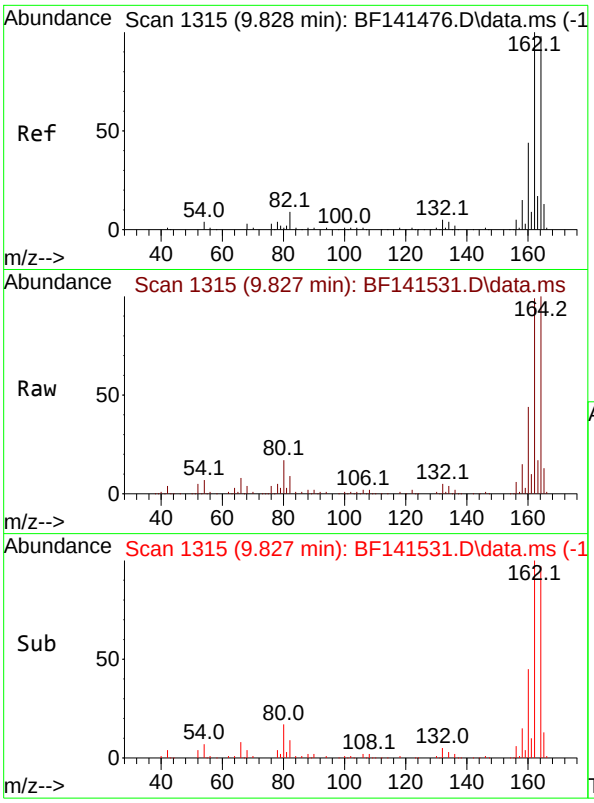


#38
1-Methylnaphthalene
Concen: 38.931 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 454754

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.1	108.1



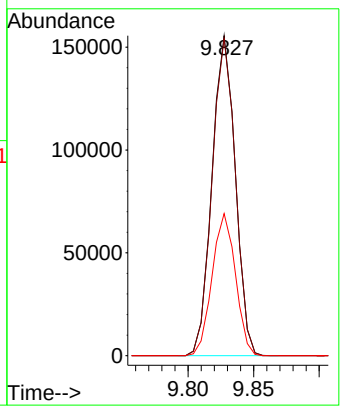


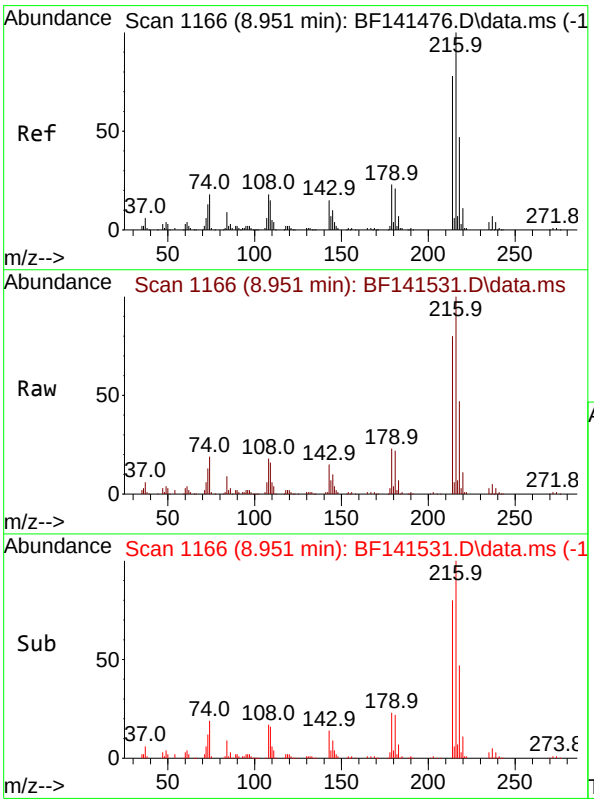
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 192109

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.3	121.9
160	44.4	35.9	53.9

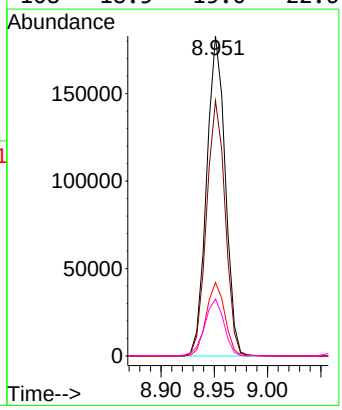


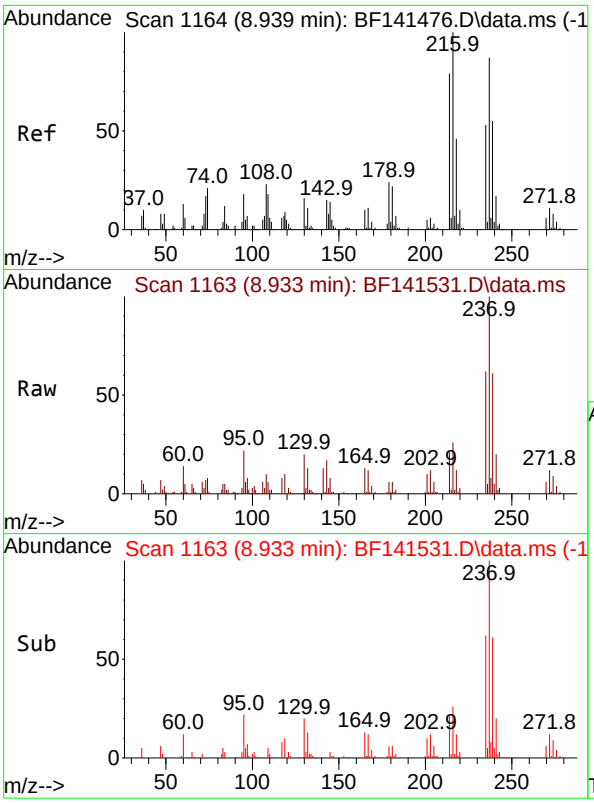


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.116 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:216 Resp: 222962

Ion	Ratio	Lower	Upper
216	100		
214	79.8	62.3	93.5
179	22.9	18.0	27.0
108	18.5	15.0	22.6



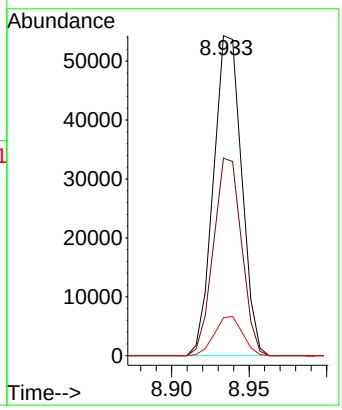


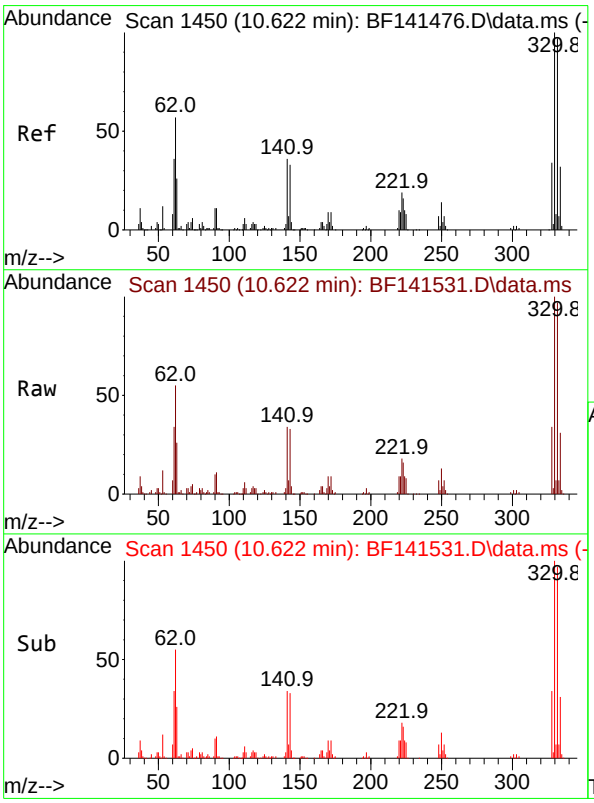
#41
Hexachlorocyclopentadiene
Concen: 37.172 ng
RT: 8.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 68717

Ion	Ratio	Lower	Upper
237	100		
235	61.7	41.4	81.4
272	11.9	0.0	32.4

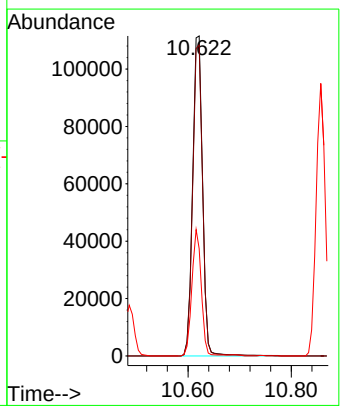


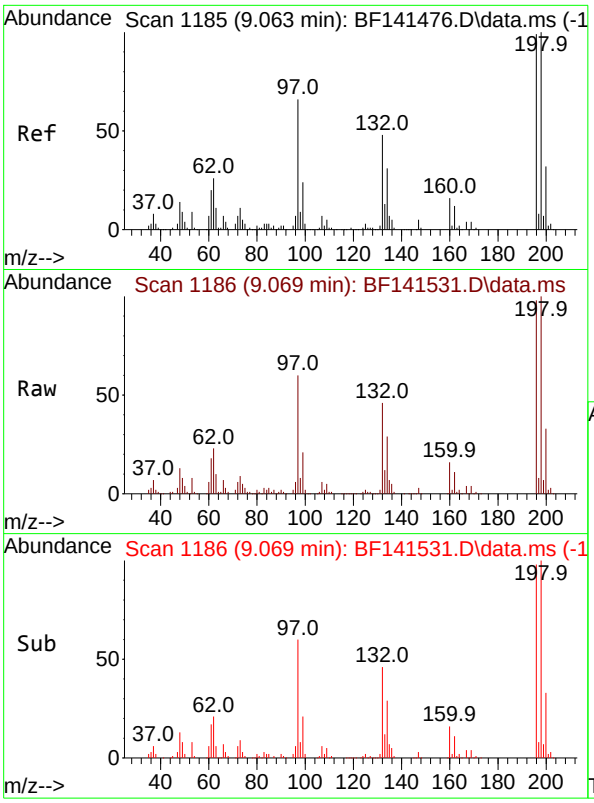


#42
2,4,6-Tribromophenol
Concen: 77.122 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:330 Resp: 148831

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	37.5	31.0	46.4



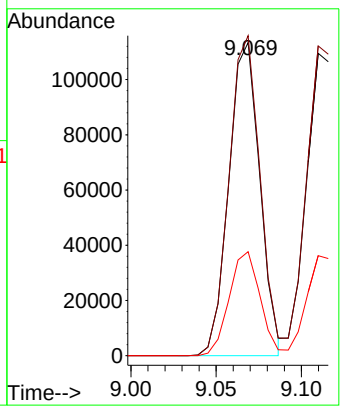


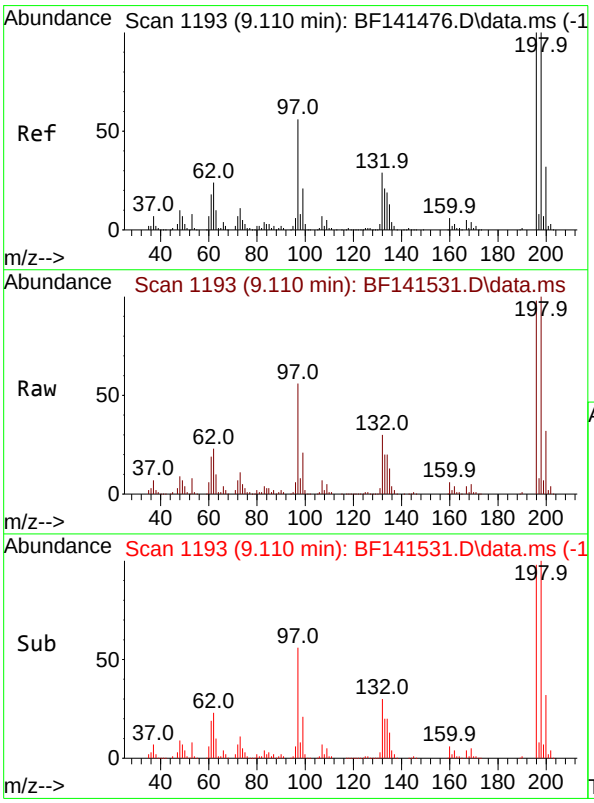
#43
2,4,6-Trichlorophenol
Concen: 39.950 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 143507

Ion	Ratio	Lower	Upper
196	100		
198	102.2	80.6	121.0
200	33.2	25.5	38.3

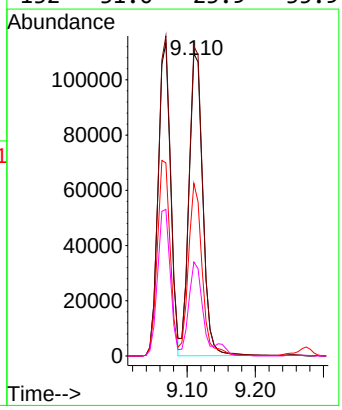


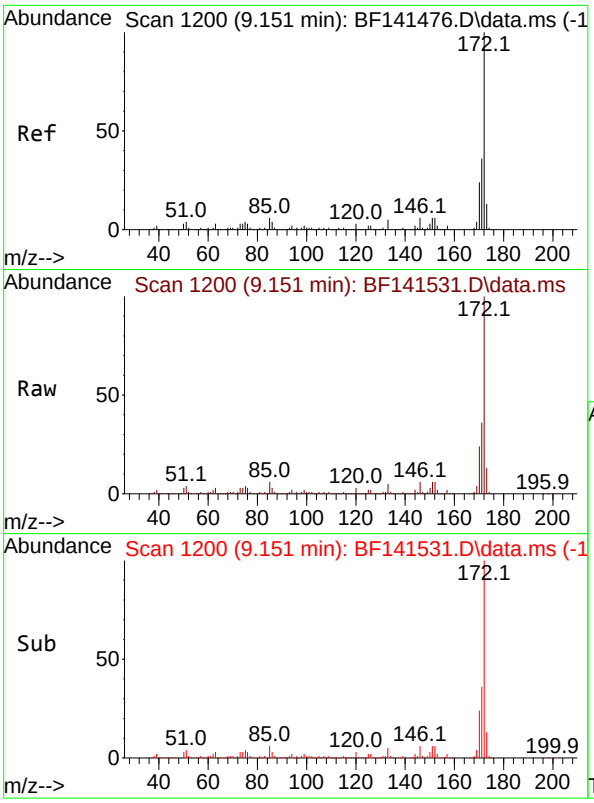


#44
2,4,5-Trichlorophenol
Concen: 39.281 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:196 Resp: 152923

Ion	Ratio	Lower	Upper
196	100		
198	102.4	79.8	119.8
97	57.1	44.8	67.2
132	31.0	23.9	35.9



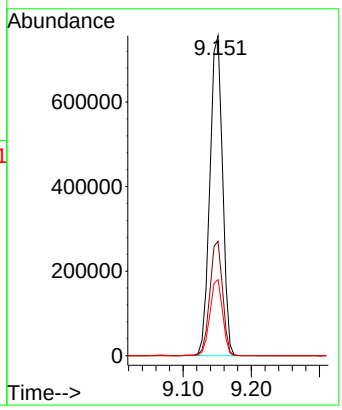


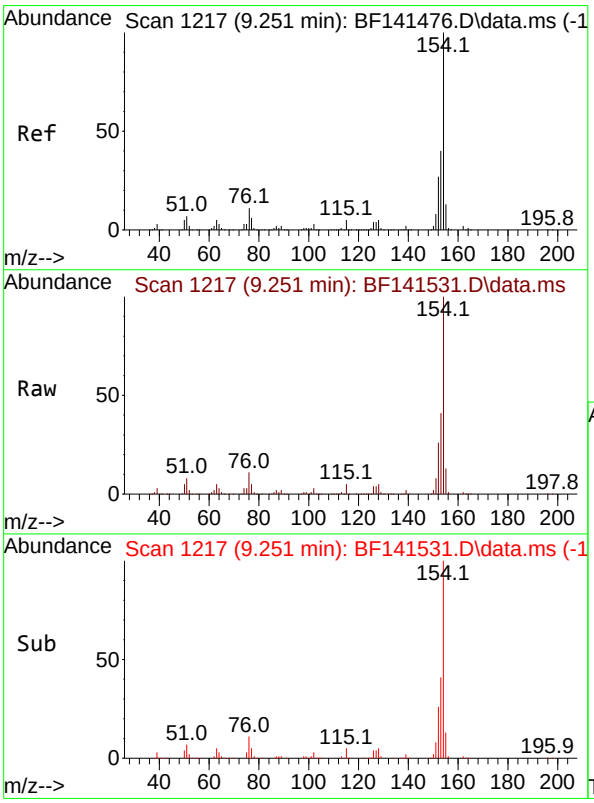
#45
2-Fluorobiphenyl
Concen: 78.674 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 981012

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.7	43.1
170	23.8	18.9	28.3

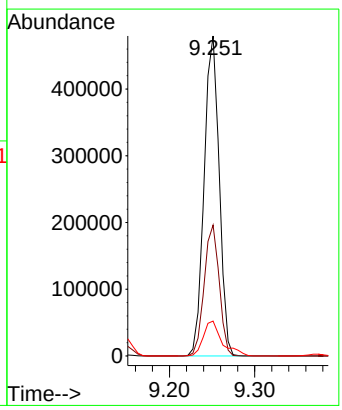


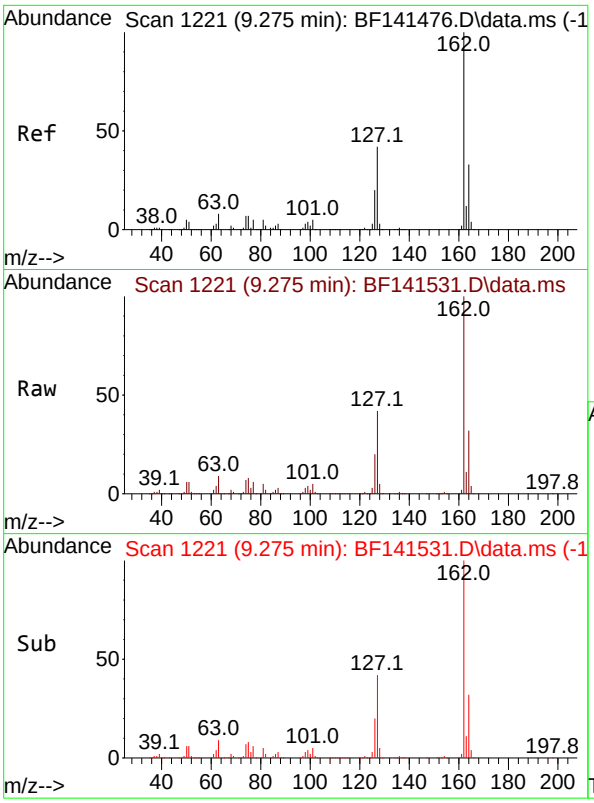


#46
1,1'-Biphenyl
Concen: 39.517 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:154 Resp: 588561

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.4	60.4
76	10.9	0.0	30.8



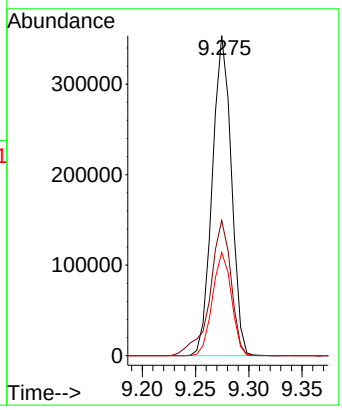


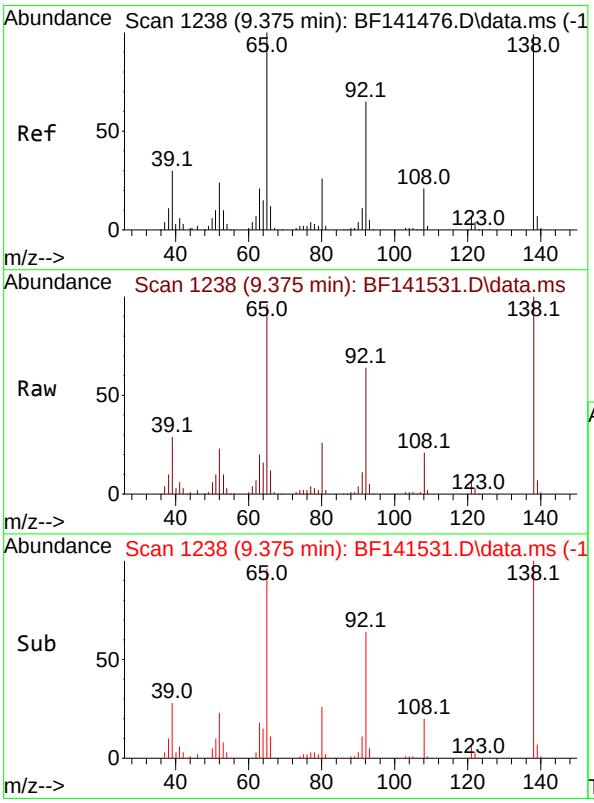
#47
2-Chloronaphthalene
Concen: 39.887 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 439299

Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.1	51.1
164	32.3	26.3	39.5

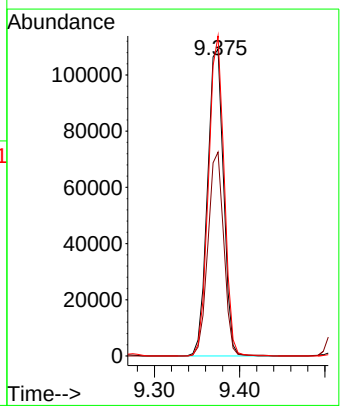


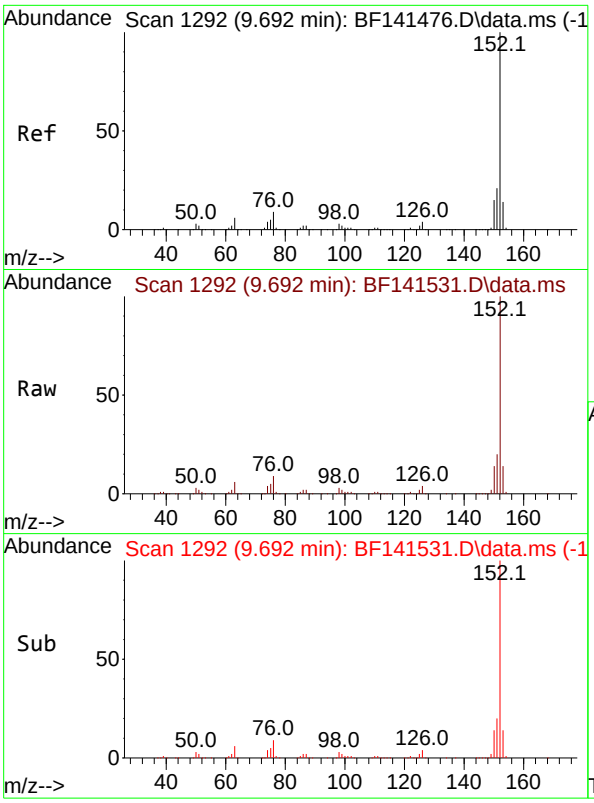


#48
2-Nitroaniline
Concen: 38.822 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 65 Resp: 143494

Ion	Ratio	Lower	Upper
65	100		
92	66.4	52.2	78.2
138	104.3	79.5	119.3



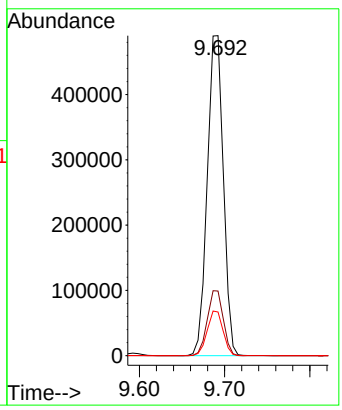


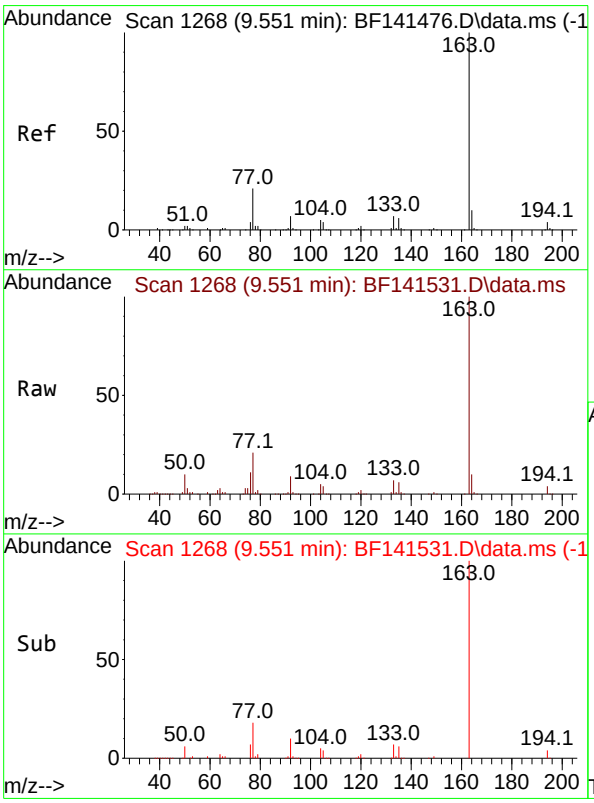
#49
Acenaphthylene
Concen: 39.253 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 643014

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.6	10.9	16.3

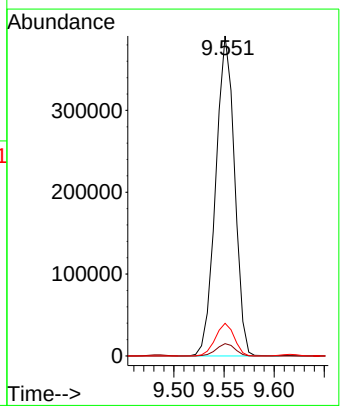


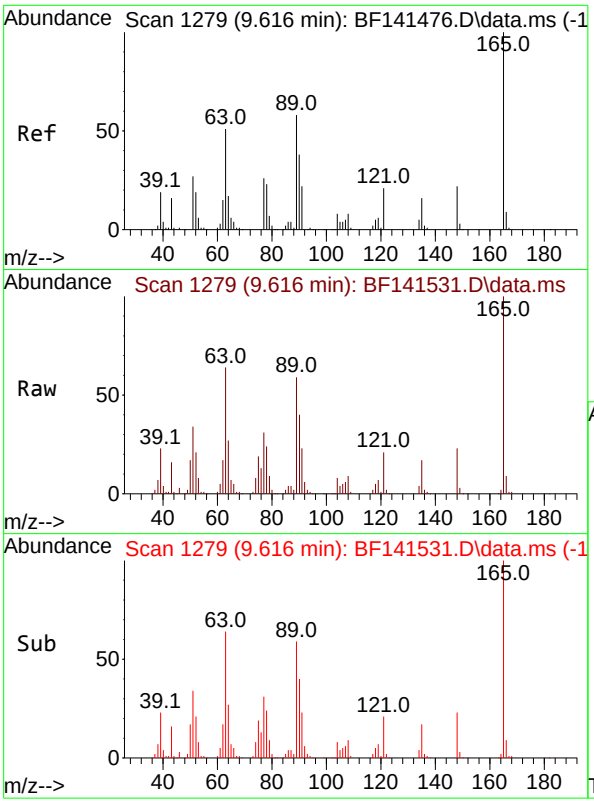


#50
Dimethylphthalate
Concen: 39.112 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:163 Resp: 510097

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	10.2	7.9	11.9



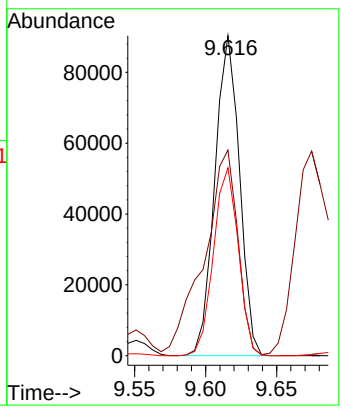


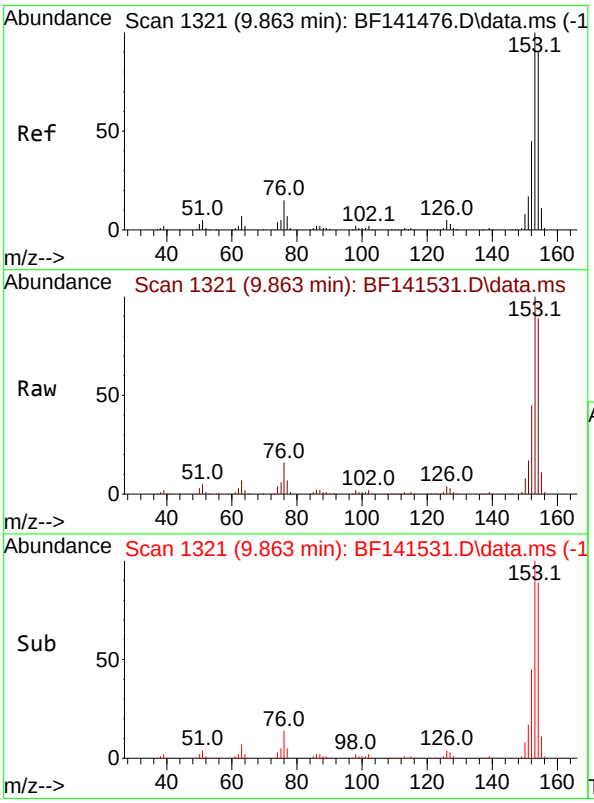
#51
2,6-Dinitrotoluene
Concen: 38.236 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 109011

Ion	Ratio	Lower	Upper
165	100		
63	64.3	49.4	74.0
89	58.7	46.5	69.7

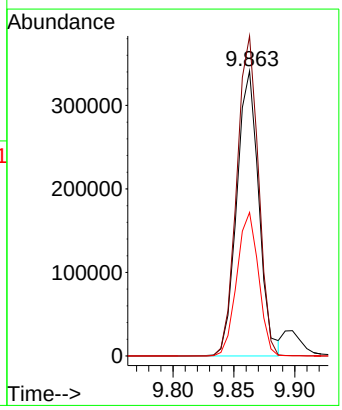


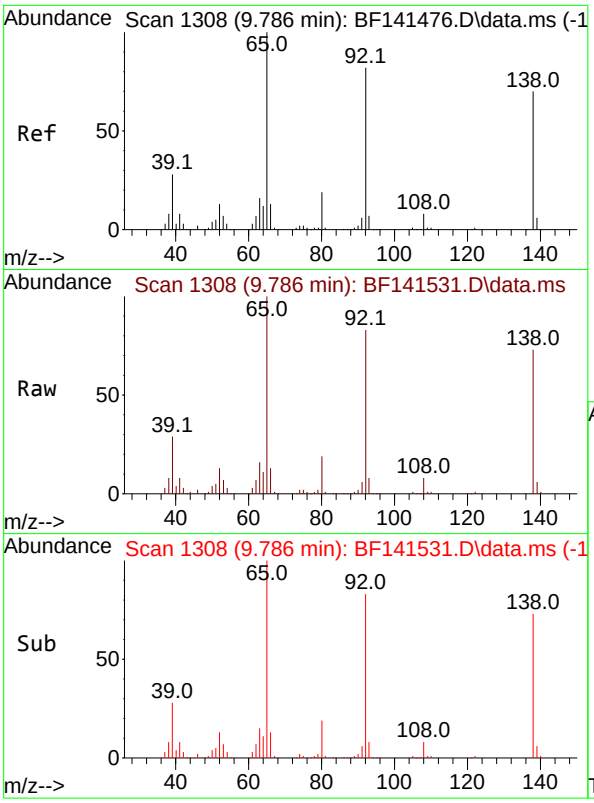


#52
Acenaphthene
Concen: 39.100 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:154 Resp: 430608

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.2	133.8
152	50.3	39.8	59.8



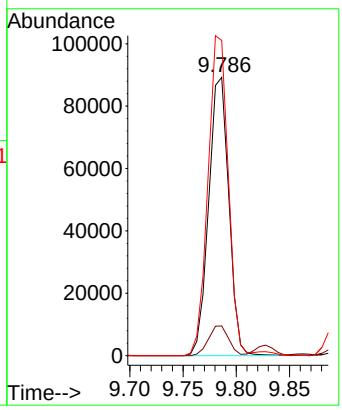


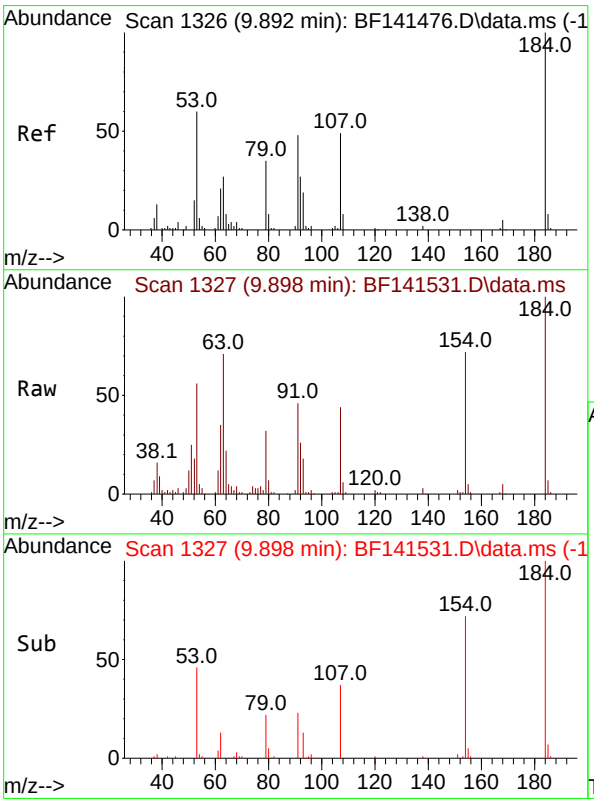
#53
3-Nitroaniline
Concen: 38.310 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 117555

Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.0	13.4
92	113.2	93.7	140.5

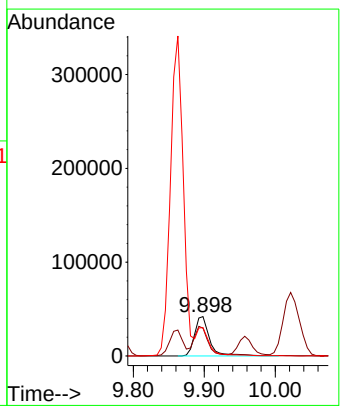


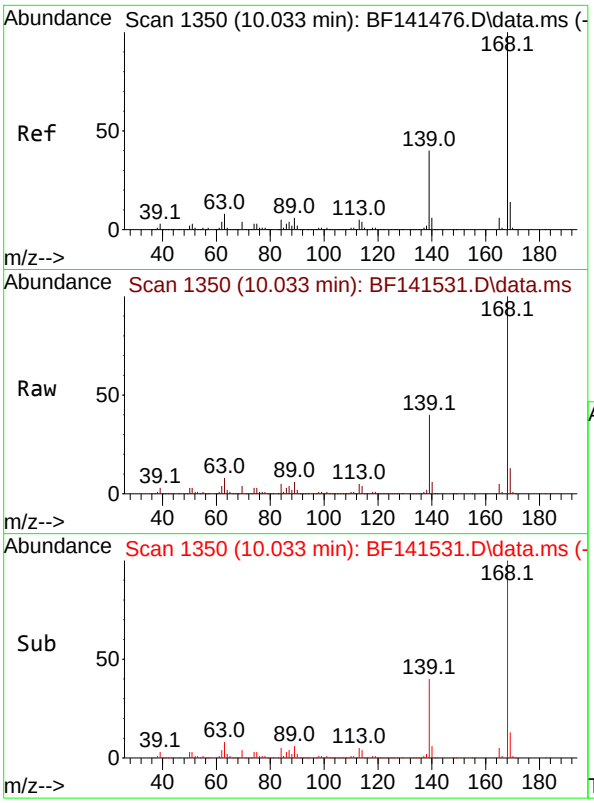


#54
2,4-Dinitrophenol
Concen: 36.647 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:184 Resp: 62096

Ion	Ratio	Lower	Upper
184	100		
63	70.6	61.0	91.6
154	72.1	59.9	89.9



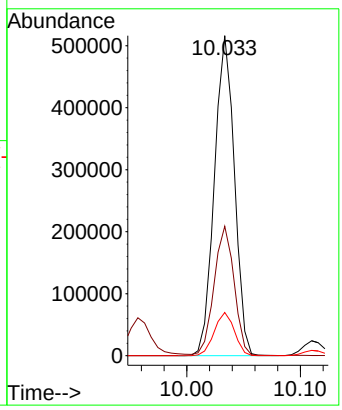


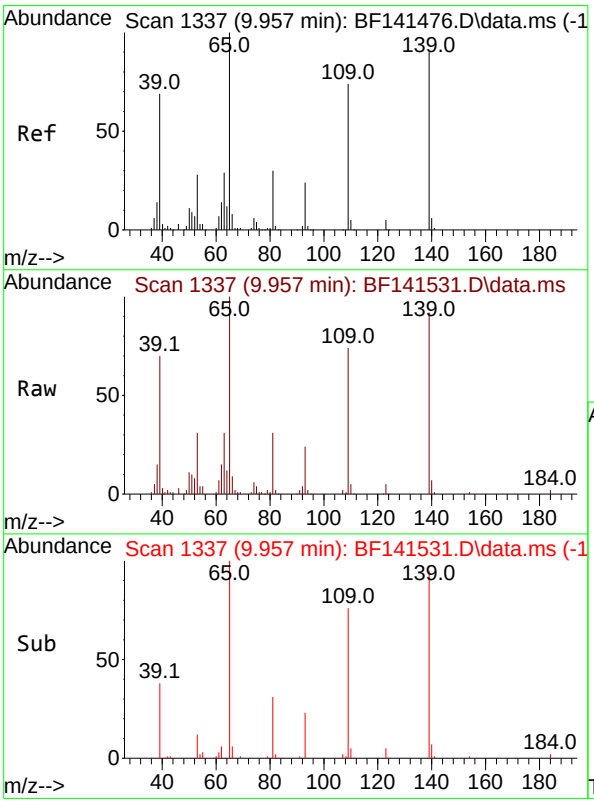
#55
Dibenzofuran
Concen: 39.157 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 632974

Ion	Ratio	Lower	Upper
168	100		
139	40.5	32.7	49.1
169	13.5	10.8	16.2

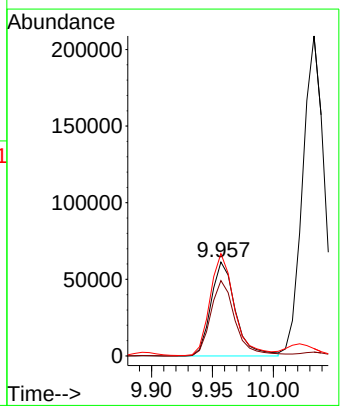


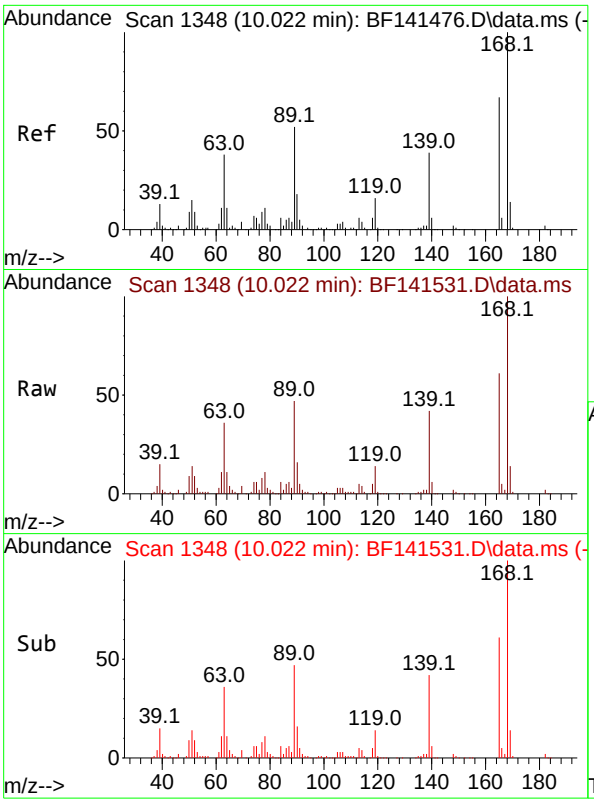


#56
4-Nitrophenol
Concen: 37.656 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:139 Resp: 85776

Ion	Ratio	Lower	Upper
139	100		
109	80.2	62.0	102.0
65	109.0	91.2	131.2



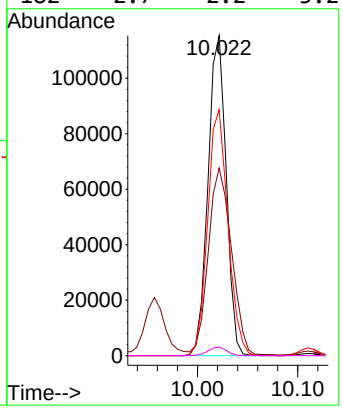


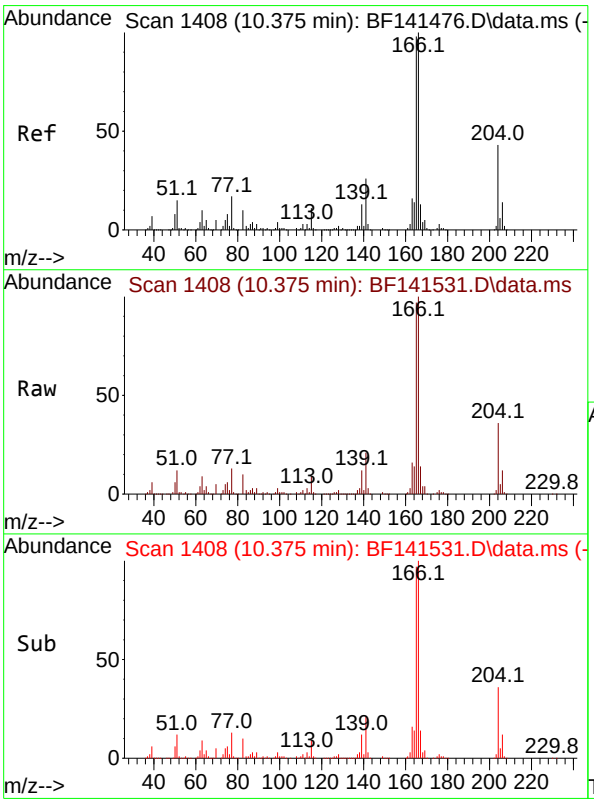
#57
2,4-Dinitrotoluene
Concen: 38.351 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 145558

Ion	Ratio	Lower	Upper
165	100		
63	58.6	46.4	69.6
89	76.9	61.8	92.6
182	2.7	2.2	3.2

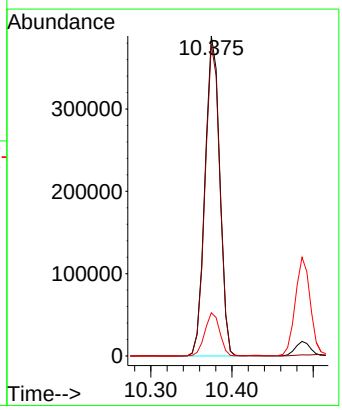


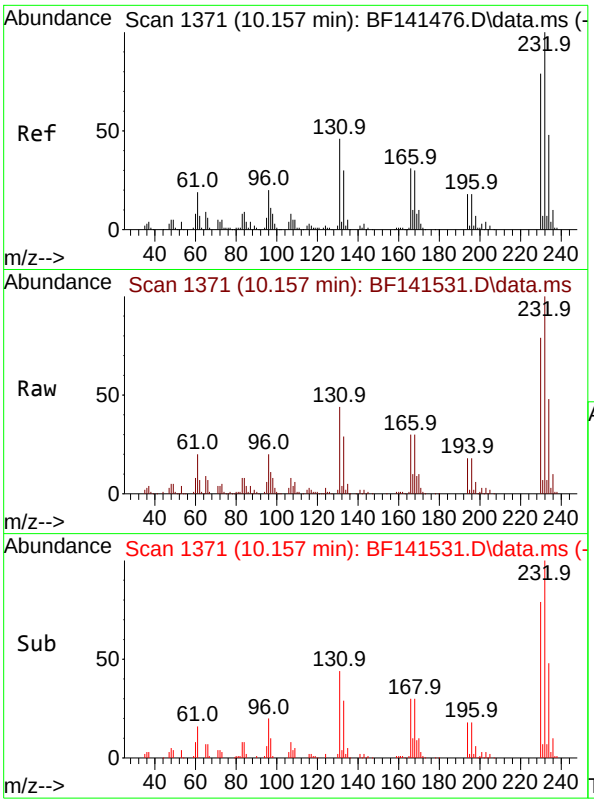


#58
Fluorene
Concen: 39.202 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:166 Resp: 489982

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.2	117.2
167	13.5	10.7	16.1



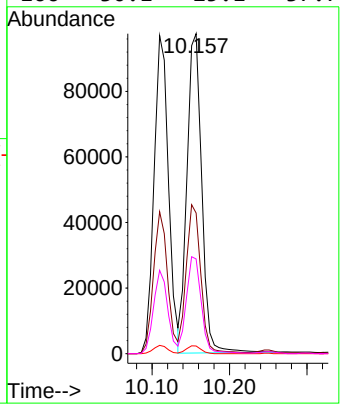


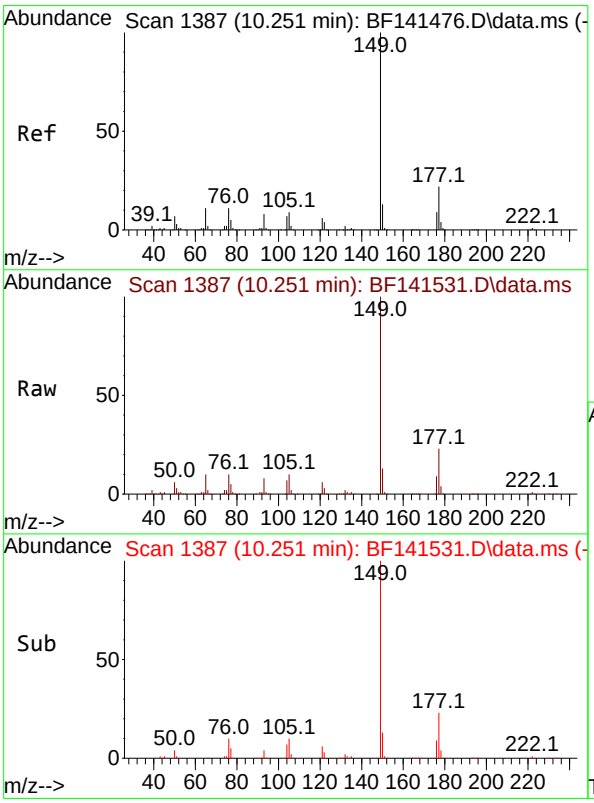
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.428 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 128800

Ion	Ratio	Lower	Upper
232	100		
131	46.2	39.2	58.8
130	2.5	2.1	3.1
166	30.1	25.1	37.7

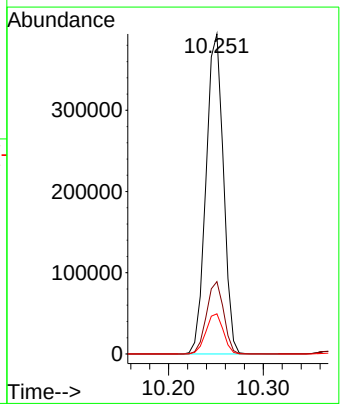


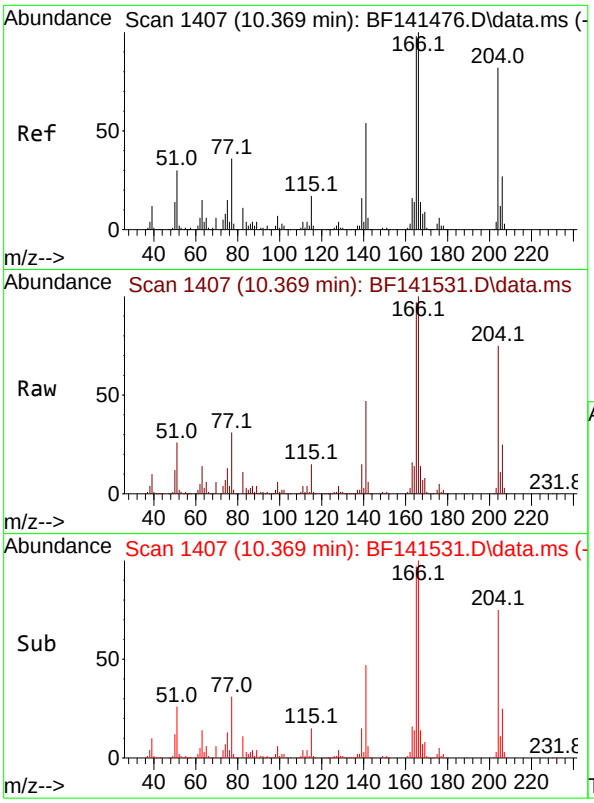


#60
Diethylphthalate
Concen: 39.149 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 502338

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.6
150	12.5	10.1	15.1



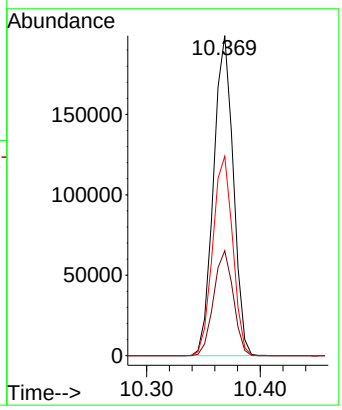


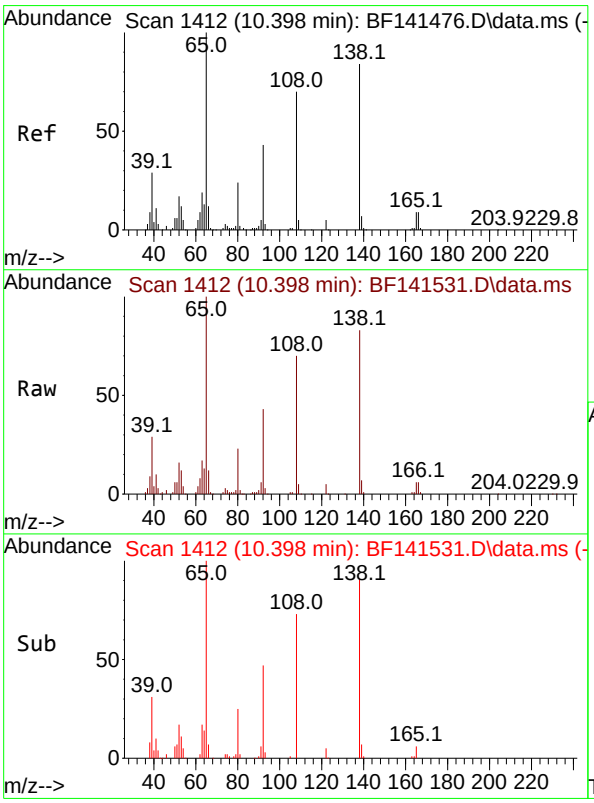
#61
4-Chlorophenyl-phenylether
Concen: 39.967 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 240325

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.6	40.0
141	62.3	51.9	77.9

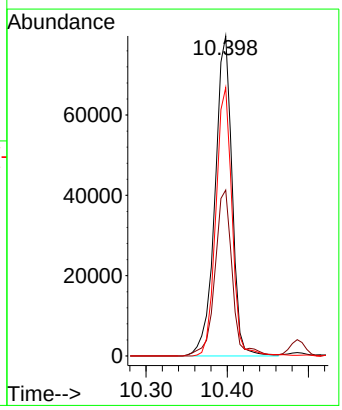


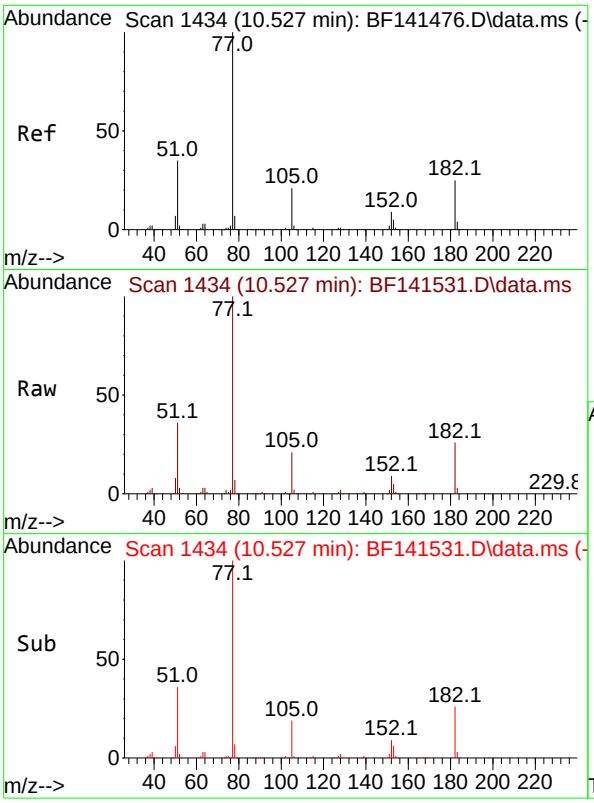


#62
4-Nitroaniline
Concen: 37.408 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:138 Resp: 116557

Ion	Ratio	Lower	Upper
138	100		
92	51.8	31.3	71.3
108	83.9	63.7	103.7



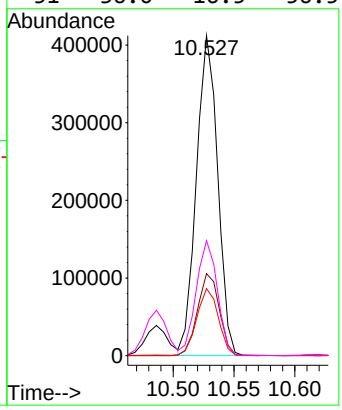


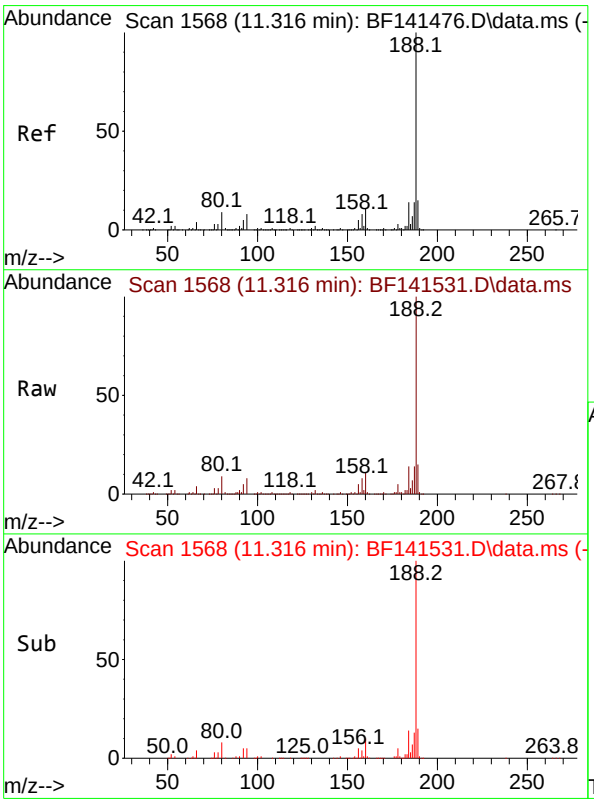
#63
Azobenzene
Concen: 39.338 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 501802

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.7	44.7
105	21.0	0.4	40.4
51	36.0	16.5	56.5

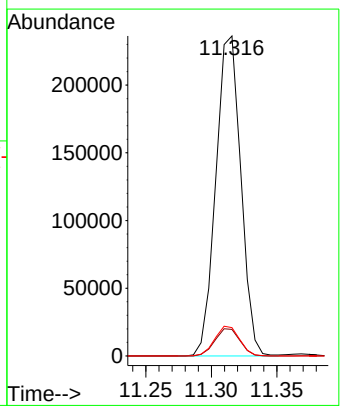


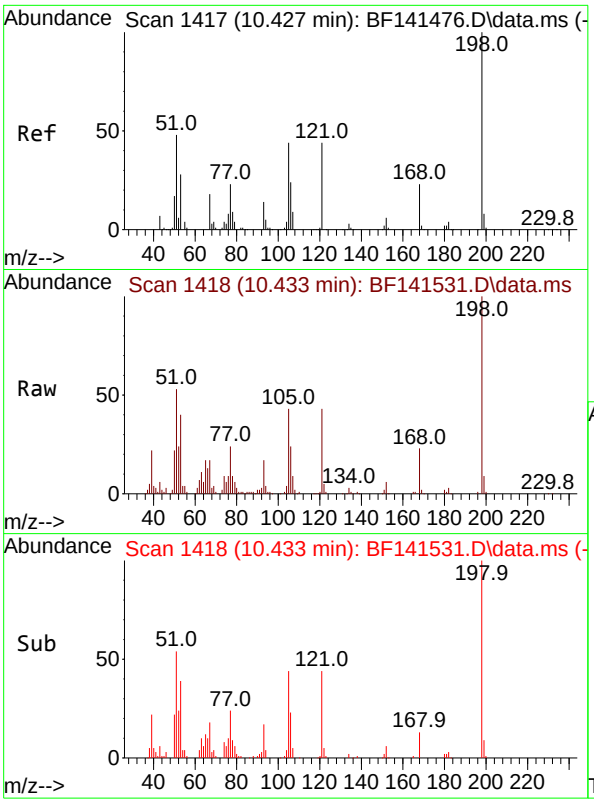


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:188 Resp: 313129

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.9	7.3	10.9



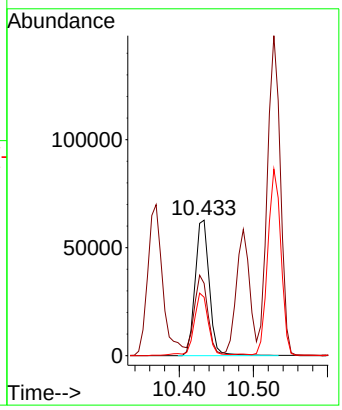


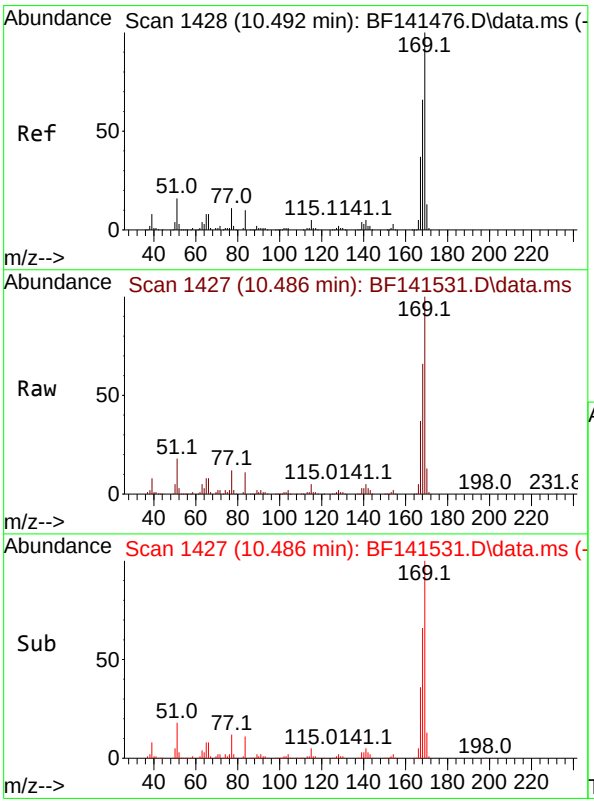
#65
4,6-Dinitro-2-methylphenol
Concen: 38.398 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 83522

Ion	Ratio	Lower	Upper
198	100		
51	53.3	37.4	77.4
105	43.1	25.2	65.2

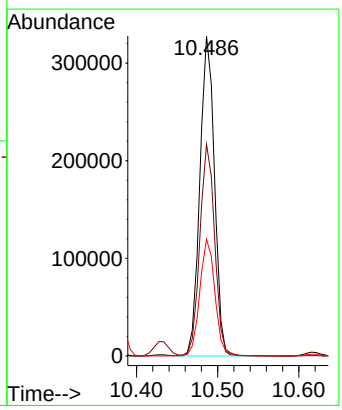


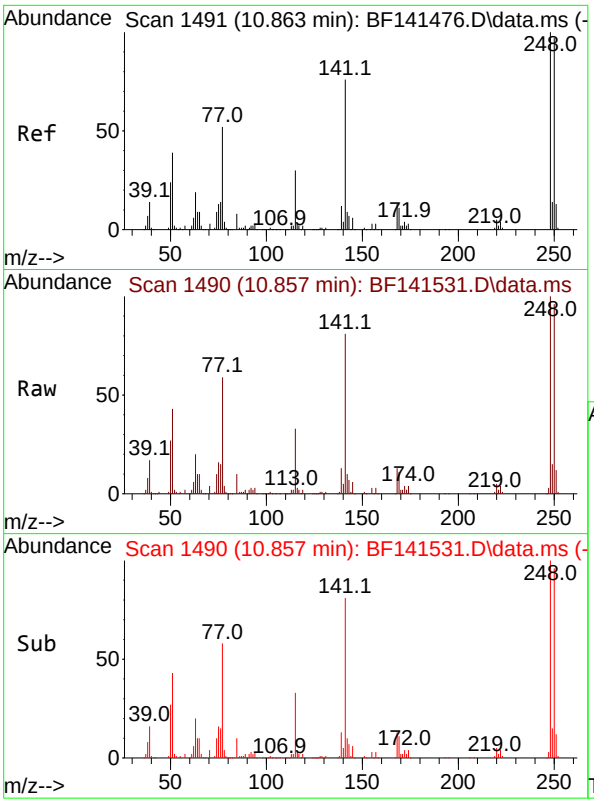


#66
n-Nitrosodiphenylamine
Concen: 40.759 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:169 Resp: 408555

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.3	79.9
167	36.6	29.4	44.2



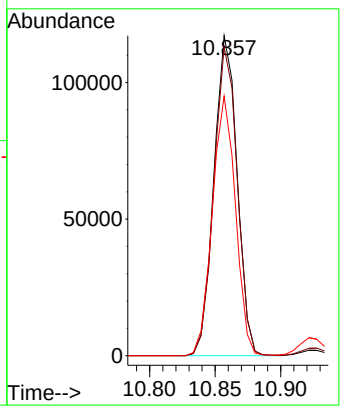


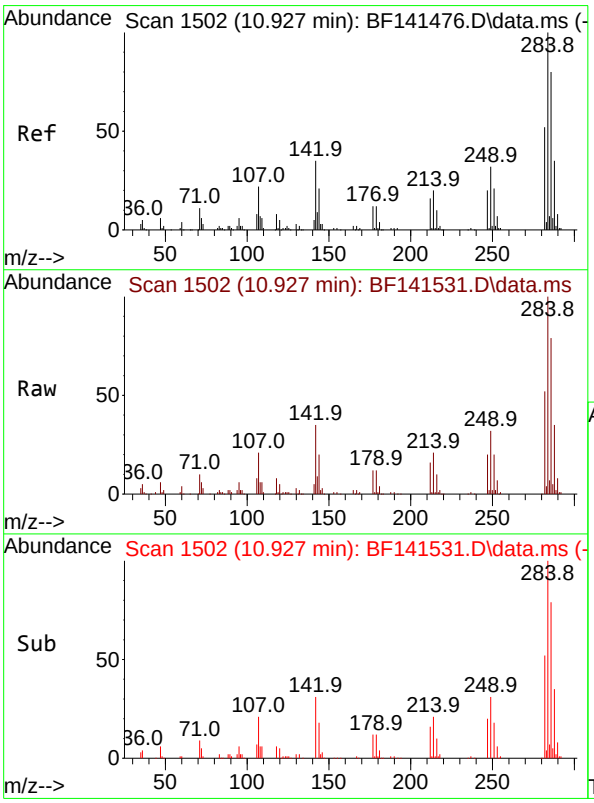
#67
4-Bromophenyl-phenylether
Concen: 41.197 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 144175

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.8	116.6
141	81.1	60.6	90.8

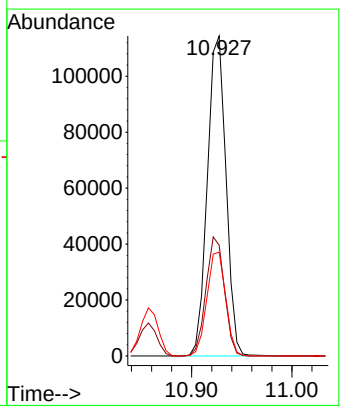


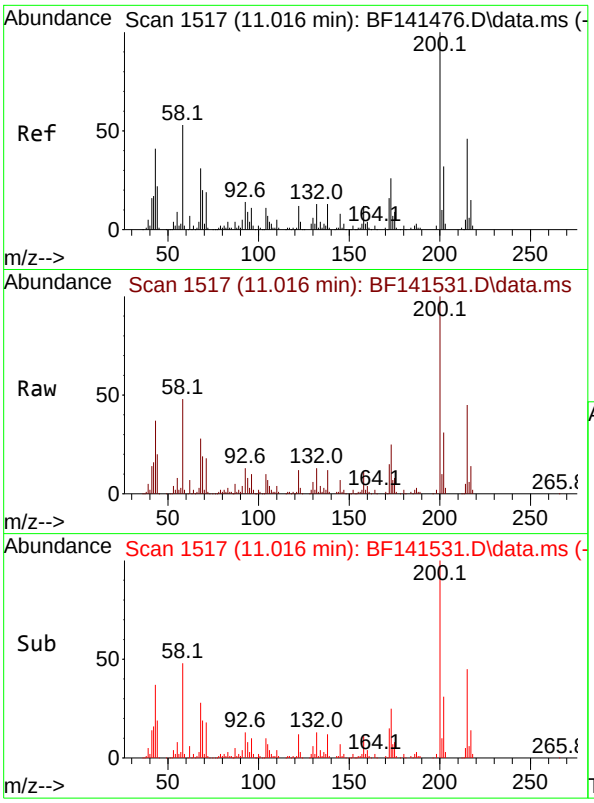


#68
Hexachlorobenzene
Concen: 40.874 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:284 Resp: 147297

Ion	Ratio	Lower	Upper
284	100		
142	34.6	28.0	42.0
249	32.5	25.8	38.8



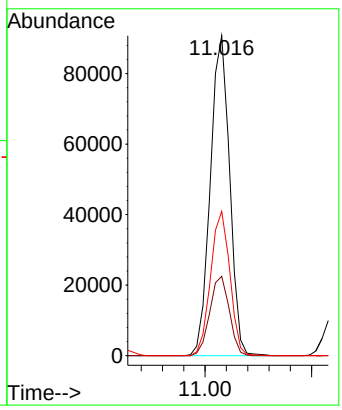


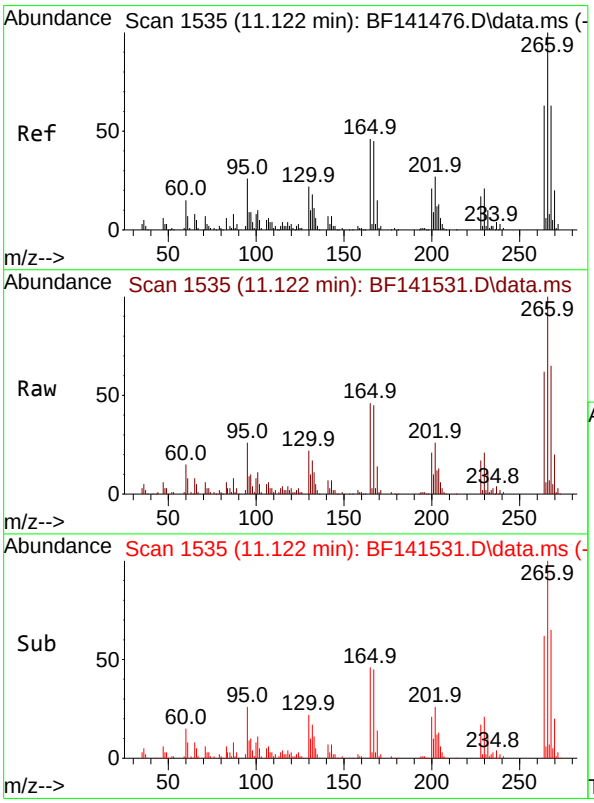
#69
Atrazine
Concen: 37.940 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 114088

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.9	45.9
215	45.1	25.9	65.9

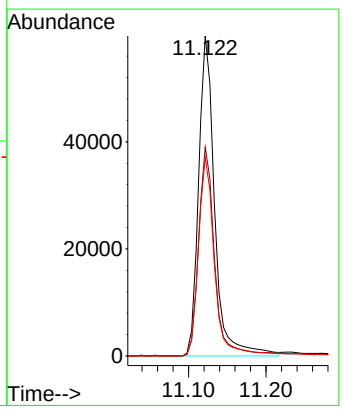


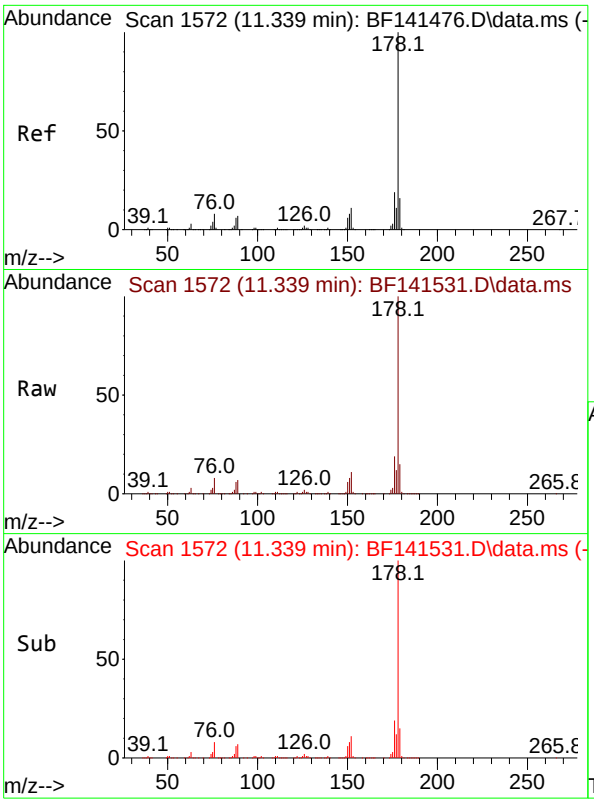


#70
Pentachlorophenol
Concen: 37.449 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:266 Resp: 86291

Ion	Ratio	Lower	Upper
266	100		
268	65.3	50.1	75.1
264	62.1	50.1	75.1



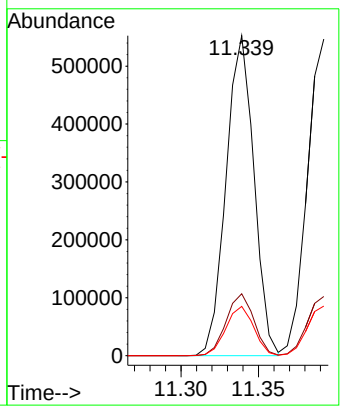


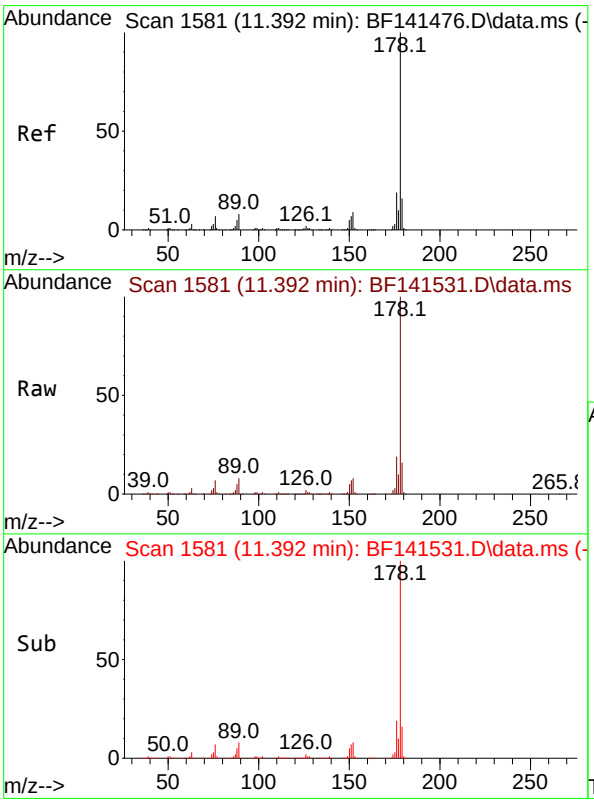
#71
Phenanthrene
Concen: 40.095 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 691100

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.4	12.4	18.6

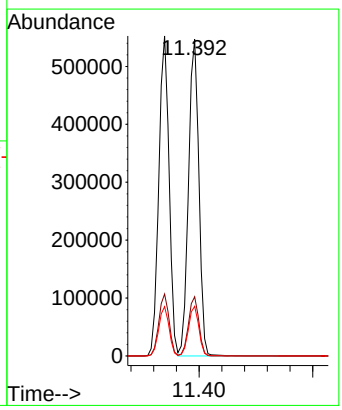


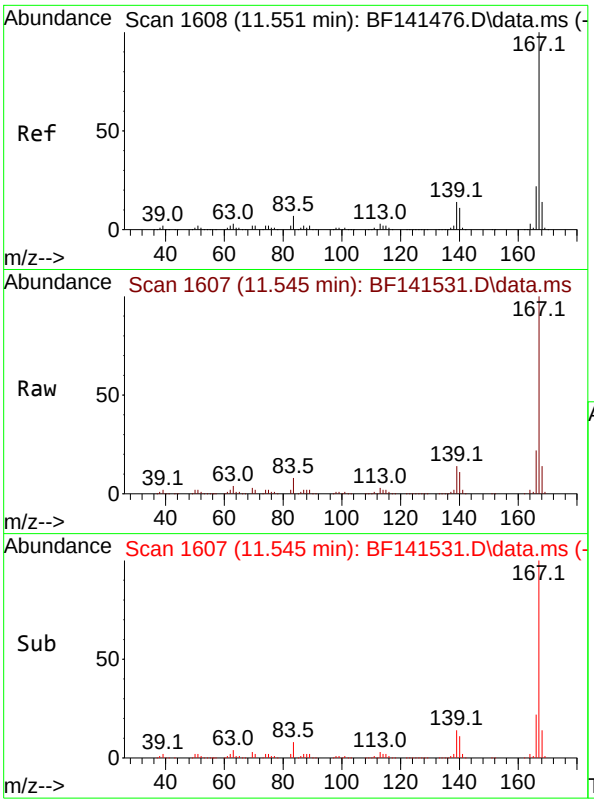


#72
Anthracene
Concen: 40.071 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:178 Resp: 694305

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.7	12.4	18.6



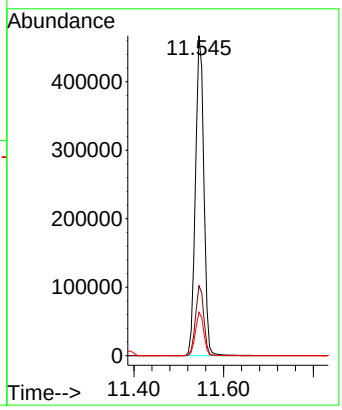


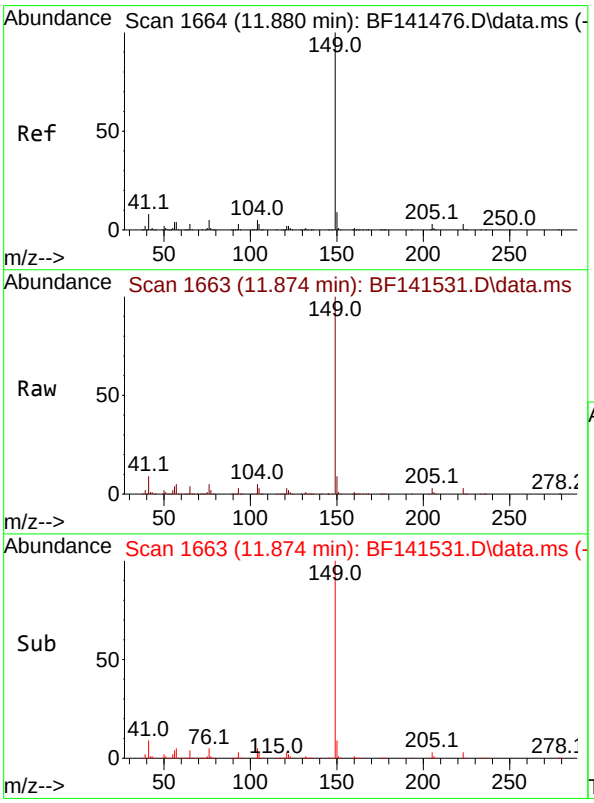
#73
Carbazole
Concen: 39.007 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 608137

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.2
139	13.5	10.9	16.3

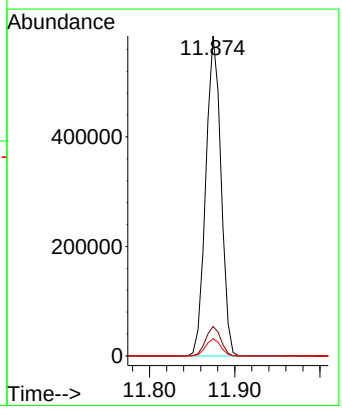


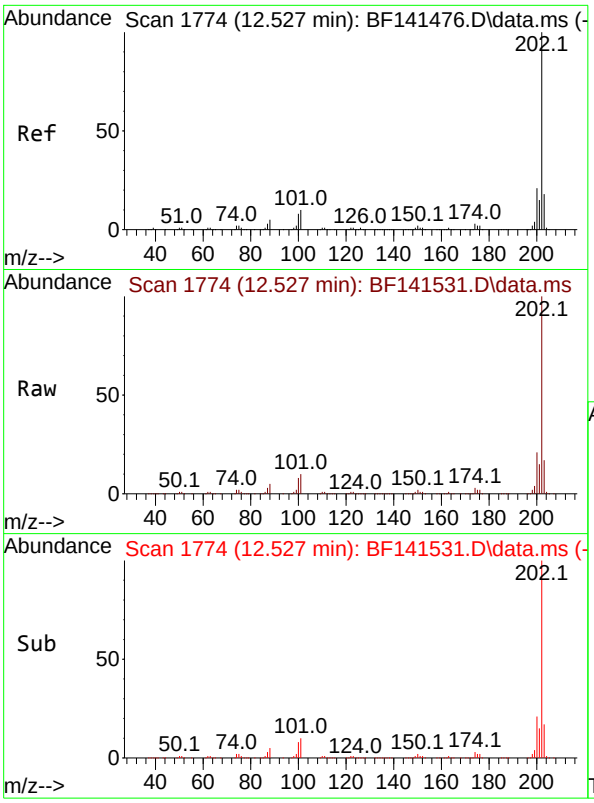


#74
Di-n-butylphthalate
Concen: 40.113 ng
RT: 11.874 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 722112

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.4	4.2	6.2



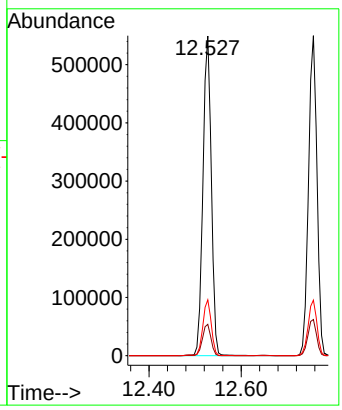


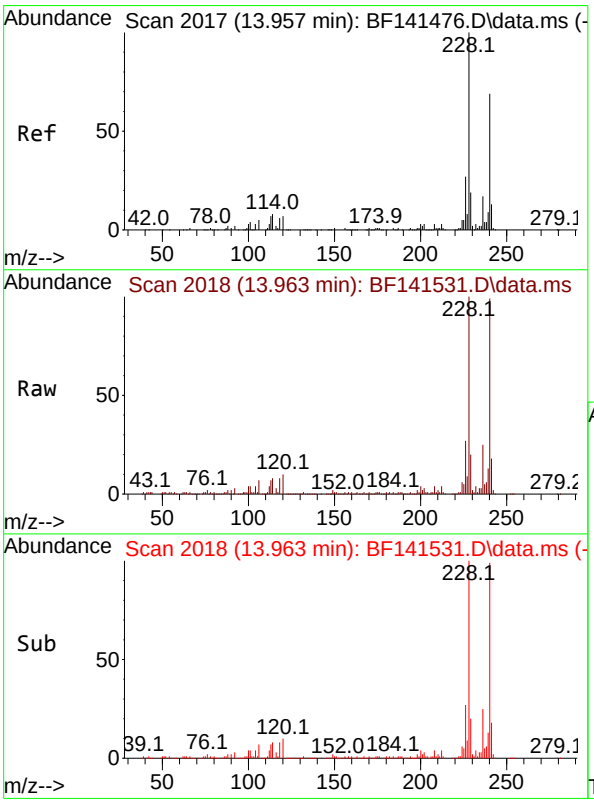
#75
Fluoranthene
Concen: 38.350 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 700802

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
203	17.4	0.0	37.6

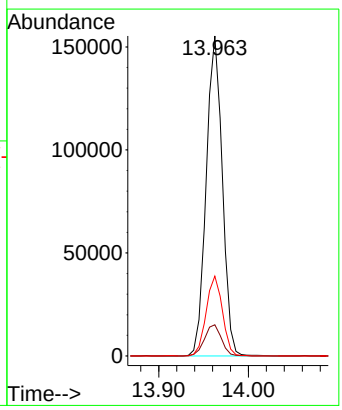


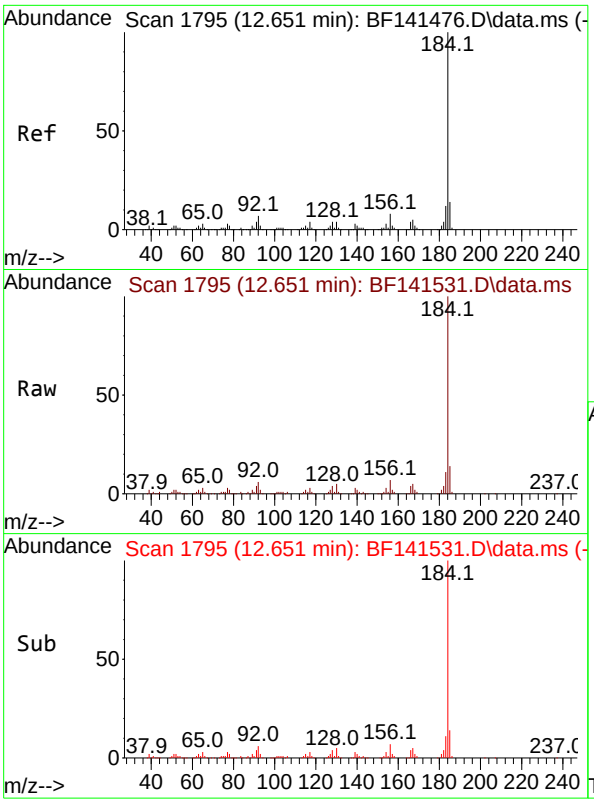


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:240 Resp: 193608

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	24.9	19.8	29.8



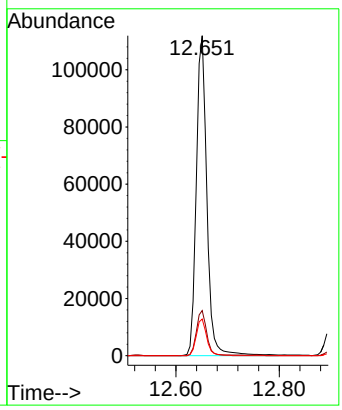


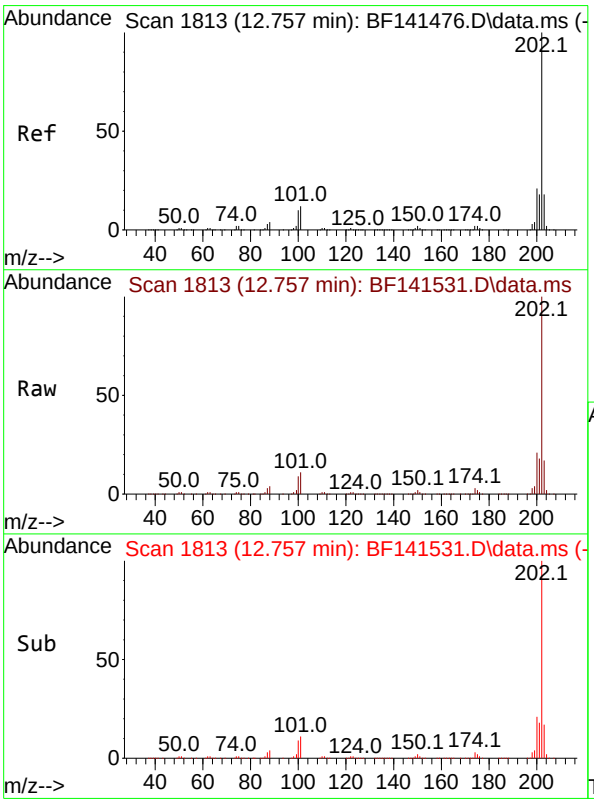
#77
Benzidine
Concen: 37.236 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 158992

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.5	9.3	13.9

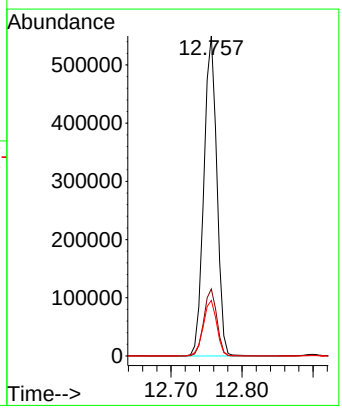


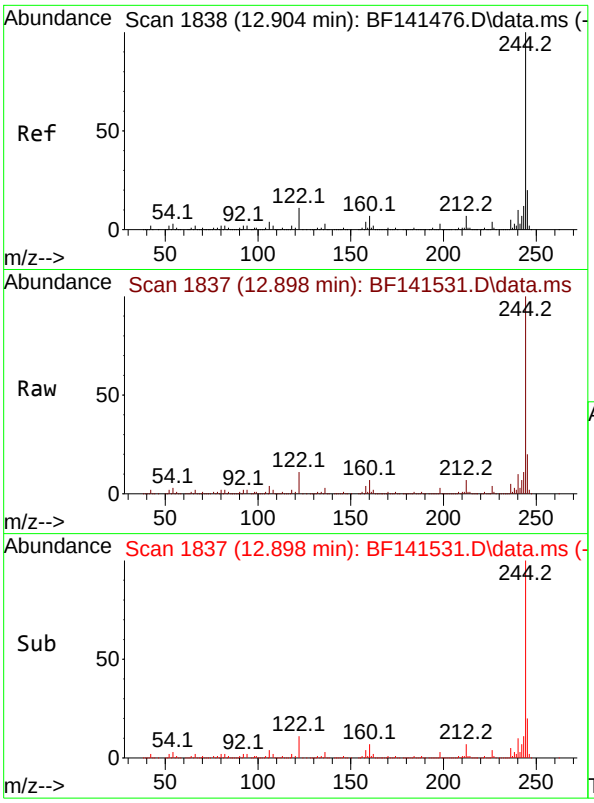


#78
Pyrene
Concen: 42.509 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:202 Resp: 700603

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.4	14.3	21.5



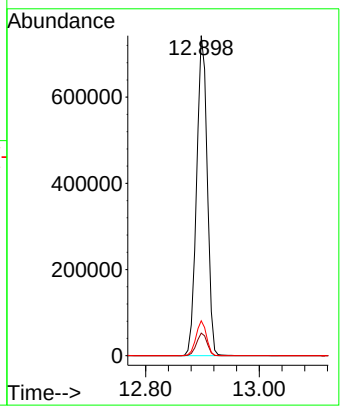


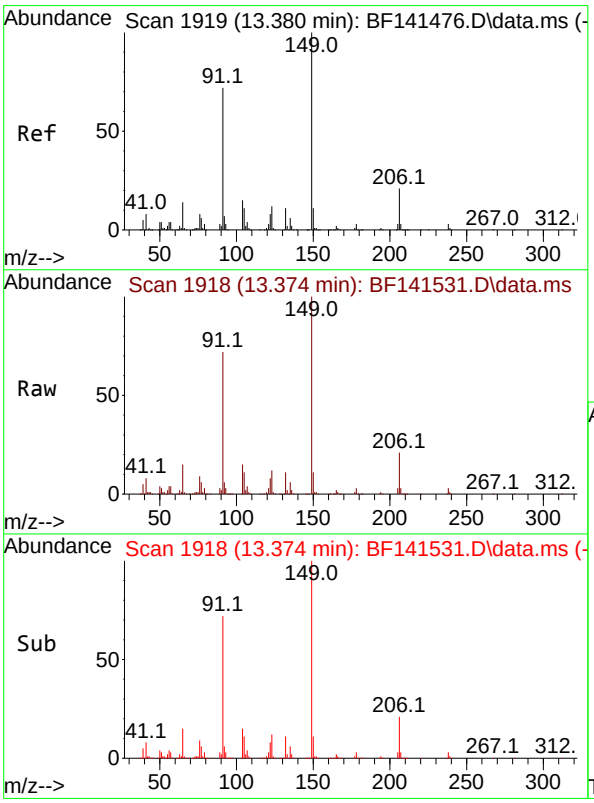
#79
Terphenyl-d14
Concen: 84.606 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 970304

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.9	8.4	12.6

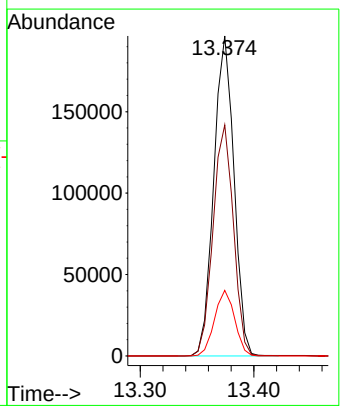


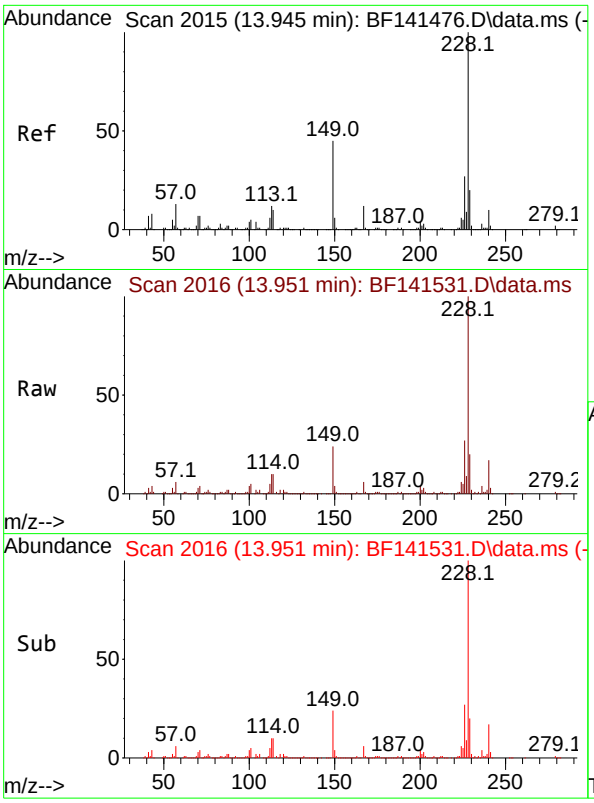


#80
Butylbenzylphthalate
Concen: 42.551 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 242906

Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.8	86.8
206	20.5	16.7	25.1



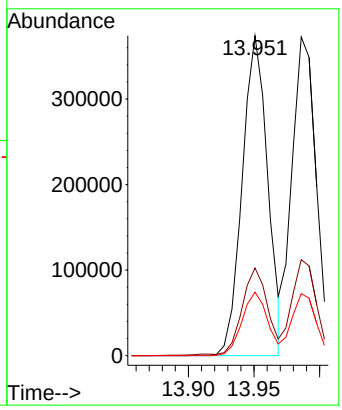


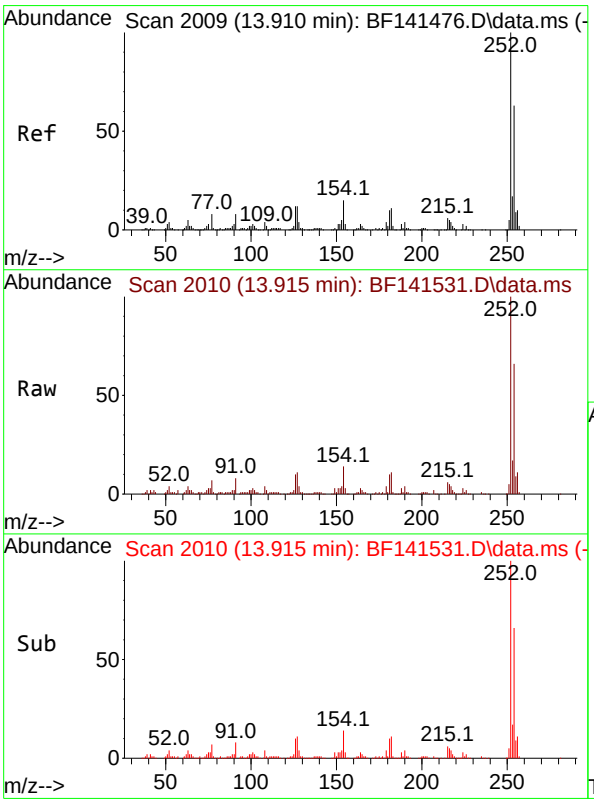
#81
Benzo(a)anthracene
Concen: 39.246 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 505085

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.9	15.8	23.6

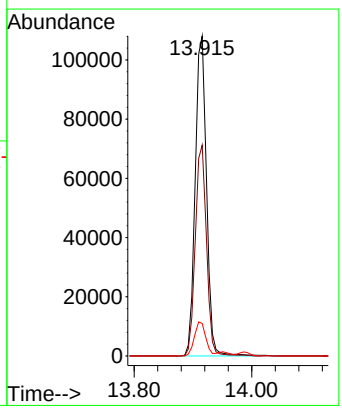


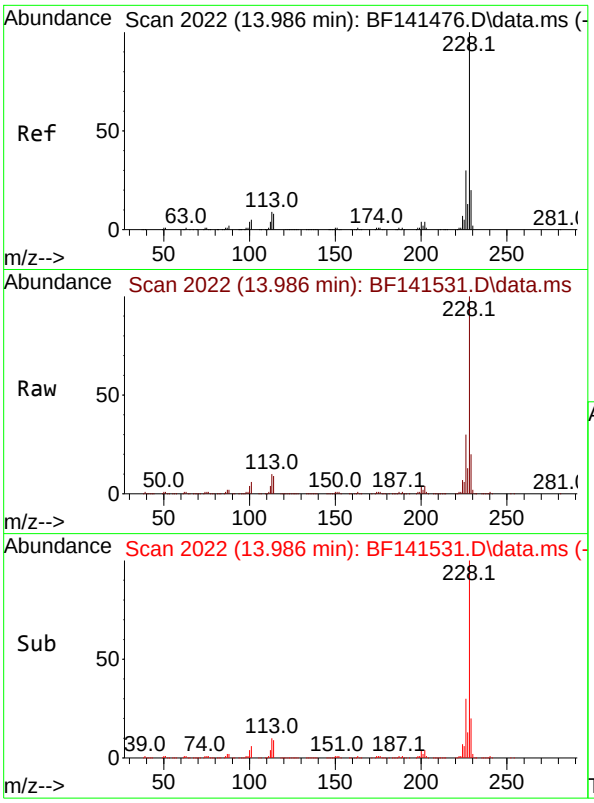


#82
3,3'-Dichlorobenzidine
Concen: 39.165 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:252 Resp: 144386

Ion	Ratio	Lower	Upper
252	100		
254	65.9	50.6	76.0
126	10.1	9.3	13.9



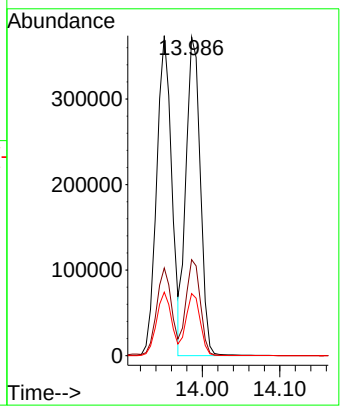


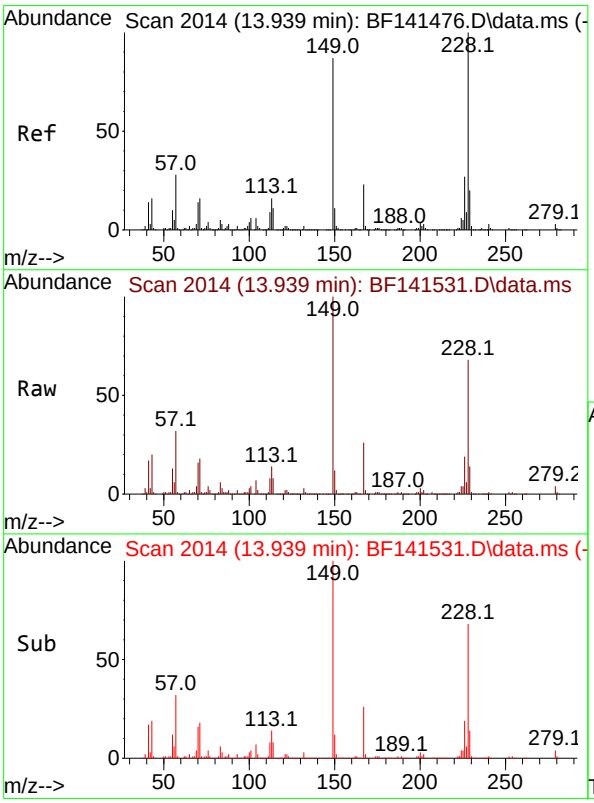
#83
Chrysene
Concen: 40.265 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 478477

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.5	15.7	23.5

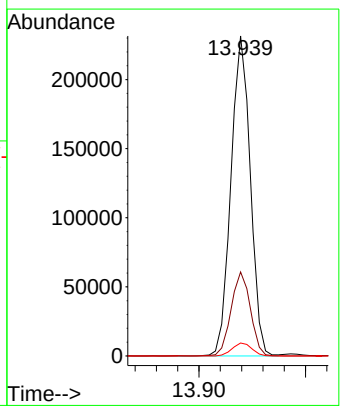


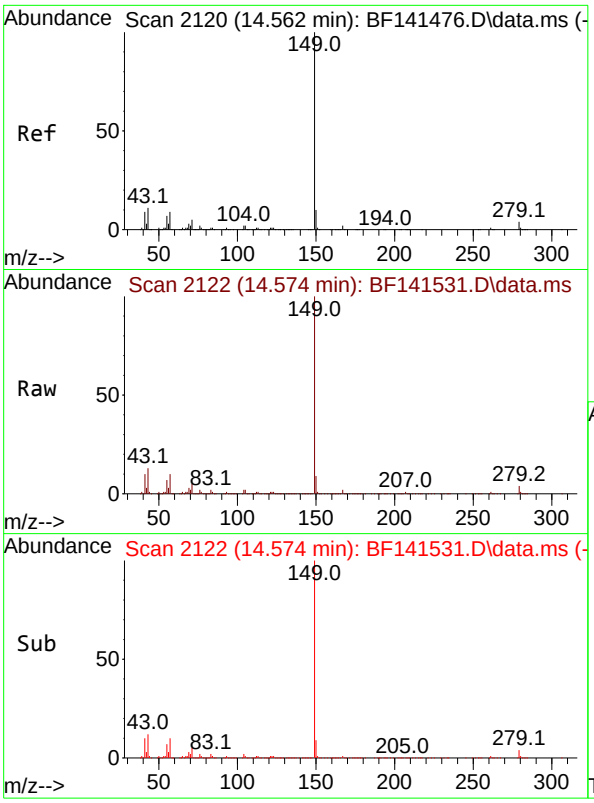


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.402 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:149 Resp: 292322

Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.4	32.0
279	4.1	3.1	4.7



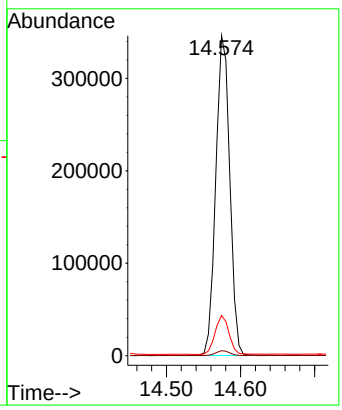


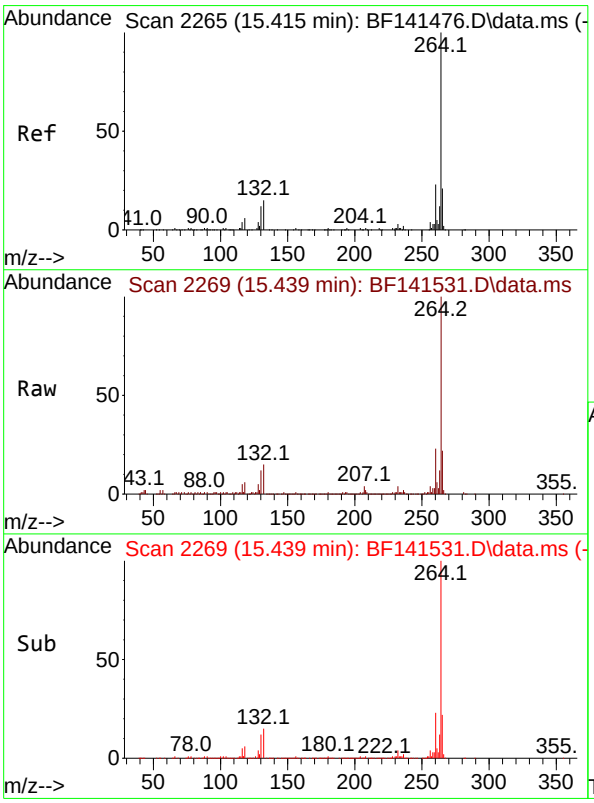
#85
Di-n-octyl phthalate
Concen: 49.334 ng
RT: 14.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 453134

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.1	9.5	14.3

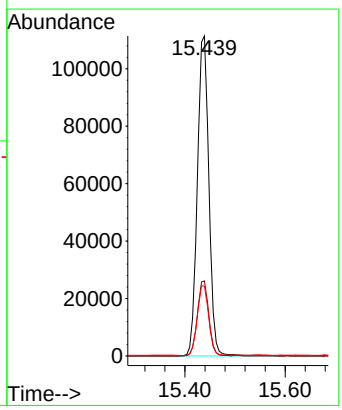


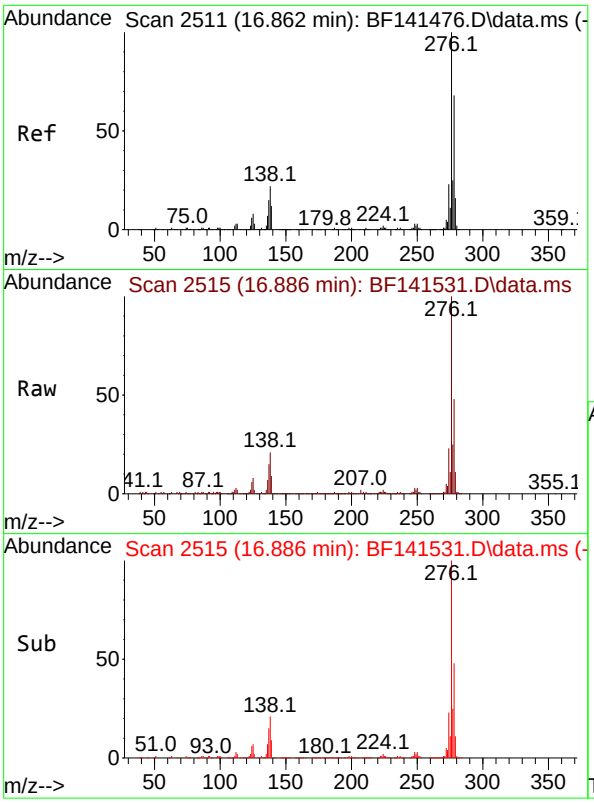


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.024 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:264 Resp: 177316

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.8	17.0	25.4



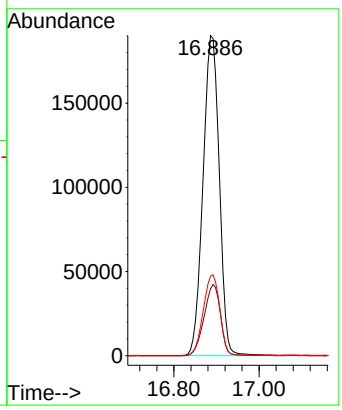


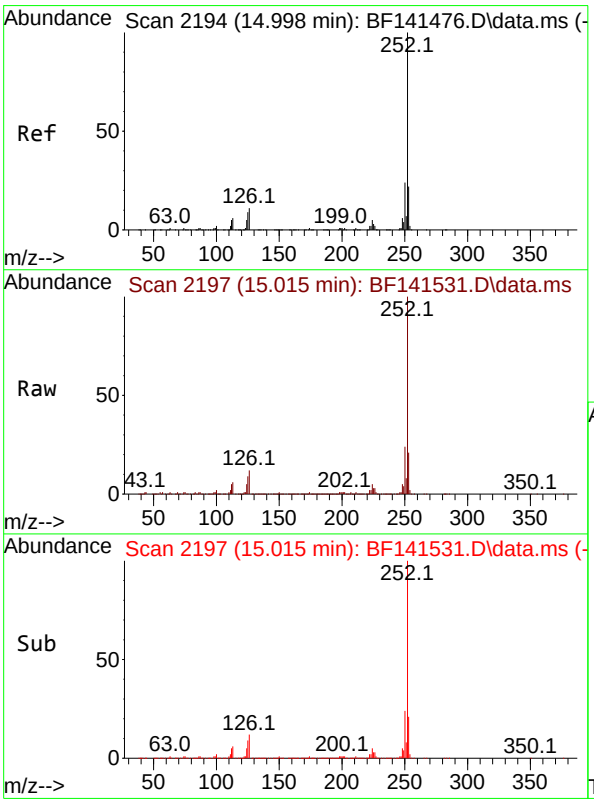
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.037 ng
RT: 16.886 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 504388

Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.0	27.0
277	25.8	20.4	30.6

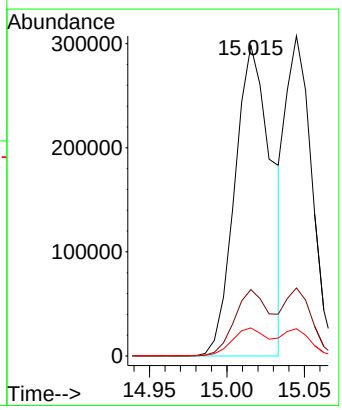


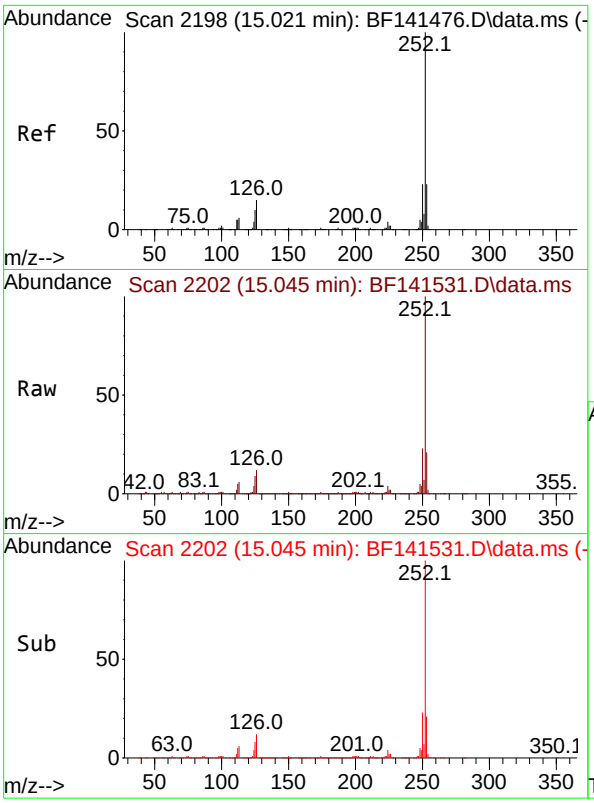


#88
Benzo(b)fluoranthene
Concen: 41.209 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:252 Resp: 490636

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	9.0	7.0	10.6



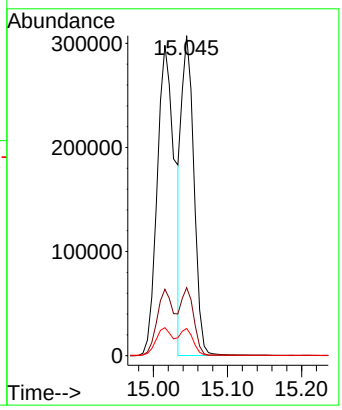


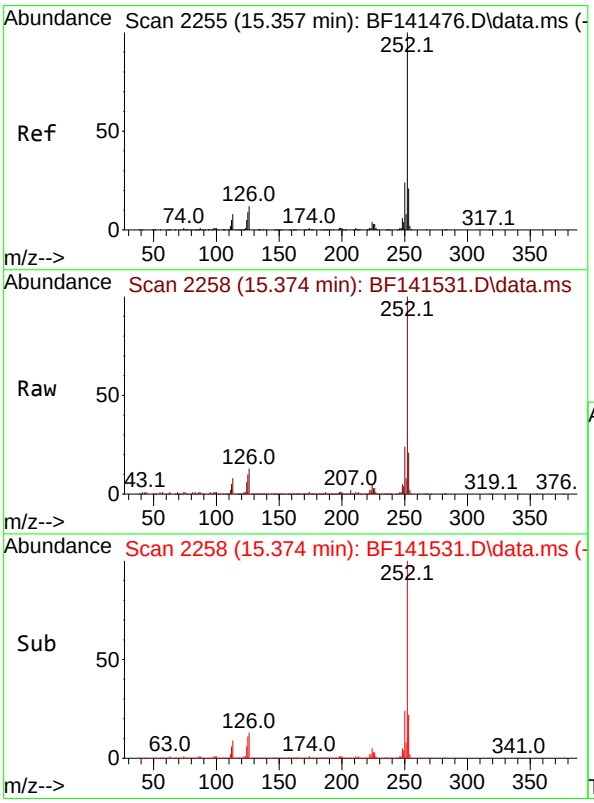
#89
Benzo(k)fluoranthene
Concen: 35.313 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 359014

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.0	27.0
125	8.5	7.4	11.0

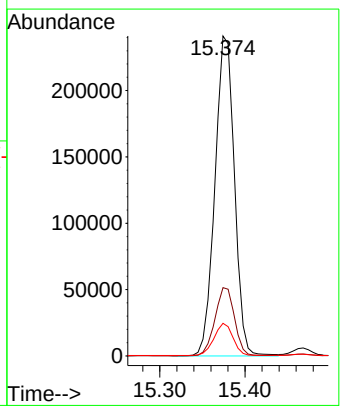


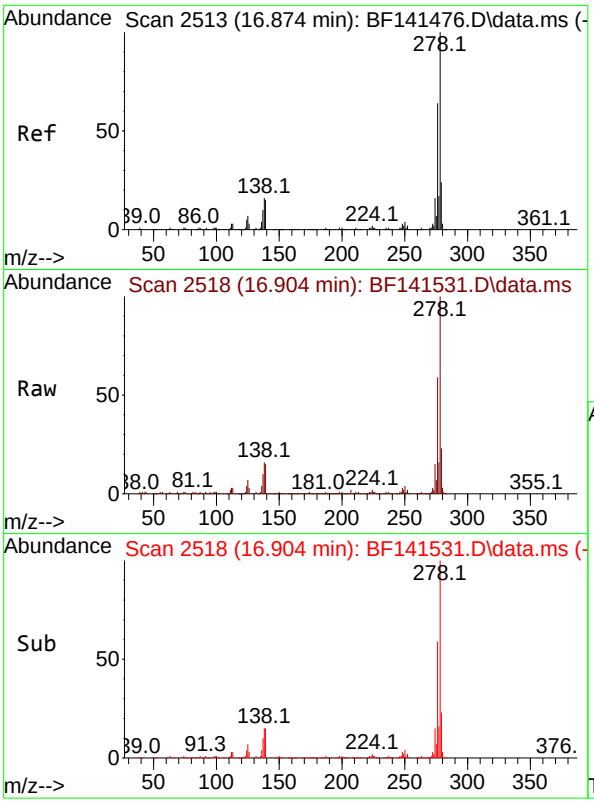


#90
Benzo(a)pyrene
Concen: 39.851 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:252 Resp: 383923

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	10.2	7.4	11.2



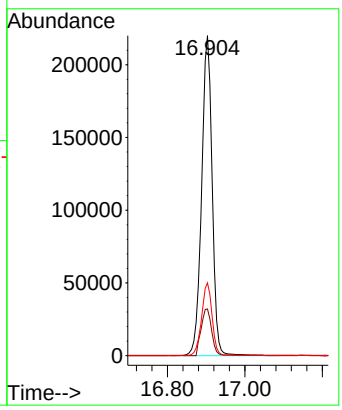


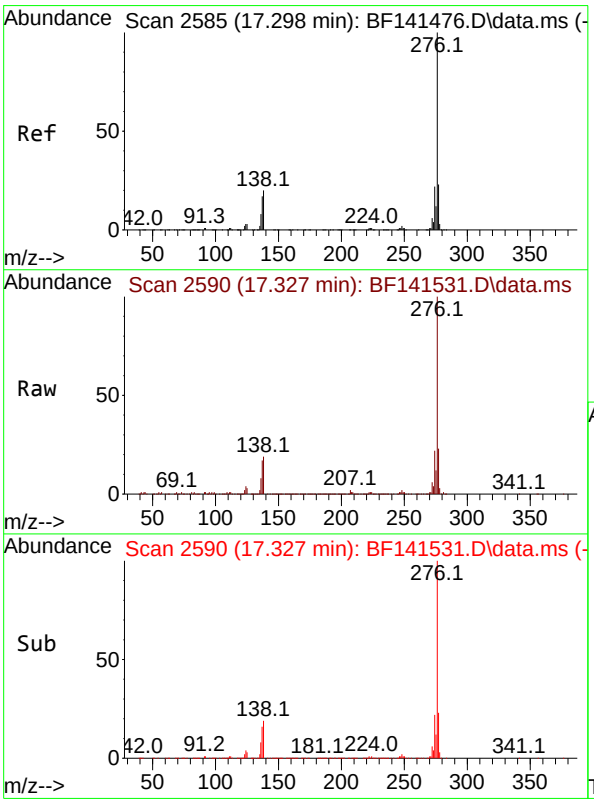
#91
Dibenzo(a,h)anthracene
Concen: 46.809 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 415551

Ion	Ratio	Lower	Upper
278	100		
139	14.6	11.8	17.6
279	22.7	19.1	28.7

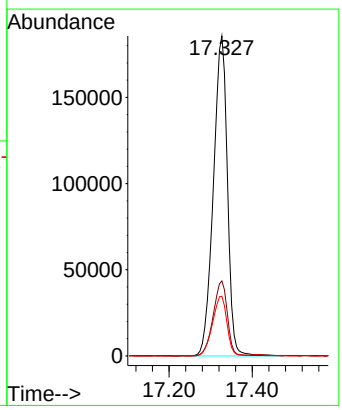




#92
Benzo(g,h,i)perylene
Concen: 46.843 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.012 min
Lab File: BF141531.D
Acq: 10 Feb 2025 11:34

Tgt Ion:276 Resp: 435173

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	18.6	15.9	23.9



Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2		1,4-Dioxane	0.513	0.497	3.1	99	-0.01
3		Pyridine	1.222	1.210	1.0	98	0.00
4		n-Nitrosodimethylamine	0.809	0.801	1.0	101	-0.03
5	S	2-Fluorophenol	1.276	1.279	-0.2	102	0.00
6		Aniline	1.513	1.489	1.6	99	-0.01
7	S	Phenol-d6	1.612	1.566	2.9	100	0.00
8		2-Chlorophenol	1.378	1.349	2.1	101	0.00
9		Benzaldehyde	0.857	0.700	18.3	88	0.00
10	C	Phenol	1.678	1.634	2.6	100	-0.01
11		bis(2-Chloroethyl)ether	1.261	1.230	2.5	100	0.00
12		1,3-Dichlorobenzene	1.455	1.443	0.8	103	0.00
13	C	1,4-Dichlorobenzene	1.487	1.451	2.4	101	0.00
14		1,2-Dichlorobenzene	1.380	1.379	0.1	103	0.00
15		Benzyl Alcohol	1.236	1.220	1.3	99	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.142	0.7	102	0.00
17		2-Methylphenol	1.079	1.053	2.4	100	0.00
18		Hexachloroethane	0.550	0.559	-1.6	104	0.00
19	P	n-Nitroso-di-n-propylamine	0.964	0.933	3.2	99	-0.01
20		3+4-Methylphenols	1.371	1.322	3.6	99	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.498	0.483	3.0	99	0.00
23	S	Nitrobenzene-d5	0.383	0.378	1.3	100	0.00
24		Nitrobenzene	0.374	0.366	2.1	99	0.00
25		Isophorone	0.611	0.596	2.5	99	0.00
26	C	2-Nitrophenol	0.186	0.187	-0.5	98	0.00
27		2,4-Dimethylphenol	0.217	0.215	0.9	98	0.00
28		bis(2-Chloroethoxy)methane	0.392	0.387	1.3	99	0.00
29	C	2,4-Dichlorophenol	0.294	0.288	2.0	99	0.00
30		1,2,4-Trichlorobenzene	0.320	0.317	0.9	102	0.00
31		Naphthalene	1.041	1.032	0.9	101	0.00
32		Benzoic acid	0.226	0.196	13.3	87	-0.04
33		4-Chloroaniline	0.363	0.347	4.4	97	-0.01
34	C	Hexachlorobutadiene	0.192	0.197	-2.6	104	0.00
35		Caprolactam	0.089	0.087	2.2	95	-0.03
36	C	4-Chloro-3-methylphenol	0.325	0.317	2.5	97	0.00
37		2-Methylnaphthalene	0.677	0.665	1.8	101	0.00
38		1-Methylnaphthalene	0.656	0.639	2.6	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.579	0.580	-0.2	99	0.00
41	P	Hexachlorocyclopentadiene	0.192	0.179	6.8	87	0.00
42	S	2,4,6-Tribromophenol	0.201	0.194	3.5	96	0.00
43	C	2,4,6-Trichlorophenol	0.374	0.374	0.0	99	0.00
44		2,4,5-Trichlorophenol	0.405	0.398	1.7	96	0.00
45	S	2-Fluorobiphenyl	1.298	1.277	1.6	100	0.00
46		1,1'-Biphenyl	1.551	1.532	1.2	99	0.00
47		2-Chloronaphthalene	1.147	1.143	0.3	100	0.00

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.385	0.373	3.1	95	0.00
49		Acenaphthylene	1.705	1.674	1.8	98	0.00
50		Dimethylphthalate	1.358	1.328	2.2	98	-0.01
51		2,6-Dinitrotoluene	0.297	0.284	4.4	94	0.00
52	C	Acenaphthene	1.147	1.121	2.3	97	0.00
53		3-Nitroaniline	0.319	0.306	4.1	95	0.00
54	P	2,4-Dinitrophenol	0.176	0.162	8.0	91	0.00
55		Dibenzofuran	1.683	1.647	2.1	98	0.00
56	P	4-Nitrophenol	0.237	0.223	5.9	89	-0.01
57		2,4-Dinitrotoluene	0.395	0.379	4.1	95	0.00
58		Fluorene	1.301	1.275	2.0	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.349	0.335	4.0	96	0.00
60		Diethylphthalate	1.336	1.307	2.2	98	0.00
61		4-Chlorophenyl-phenylether	0.626	0.625	0.2	100	0.00
62		4-Nitroaniline	0.324	0.303	6.5	90	-0.02
63		Azobenzene	1.328	1.306	1.7	98	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.133	4.3	87	0.00
66	c	n-Nitrosodiphenylamine	0.640	0.652	-1.9	97	-0.01
67		4-Bromophenyl-phenylether	0.224	0.230	-2.7	97	0.00
68		Hexachlorobenzene	0.230	0.235	-2.2	96	0.00
69		Atrazine	0.192	0.182	5.2	92	0.00
70	C	Pentachlorophenol	0.147	0.138	6.1	83	0.00
71		Phenanthrene	1.101	1.104	-0.3	95	0.00
72		Anthracene	1.107	1.109	-0.2	95	0.00
73		Carbazole	0.996	0.971	2.5	92	0.00
74		Di-n-butylphthalate	1.150	1.153	-0.3	94	0.00
75	C	Fluoranthene	1.167	1.119	4.1	90	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77		Benzidine	0.441	0.411	6.8	67	0.00
78		Pyrene	1.703	1.809	-6.2	89	0.00
79	S	Terphenyl-d14	1.185	1.253	-5.7	90	0.00
80		Butylbenzylphthalate	0.590	0.627	-6.3	88	0.00
81		Benzo(a)anthracene	1.329	1.304	1.9	83	0.00
82		3,3'-Dichlorobenzidine	0.381	0.373	2.1	85	0.00
83		Chrysene	1.228	1.236	-0.7	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.665	0.755	-13.5	94	0.00
85	c	Di-n-octyl phthalate	0.949	1.170	-23.3#	104	0.01
86	I	Perylene-d12	1.000	1.000	0.0	97	0.02
87		Indeno(1,2,3-cd)pyrene	1.236	1.422	-15.0	107	0.01
88		Benzo(b)fluoranthene	1.343	1.384	-3.1	100	0.01
89		Benzo(k)fluoranthene	1.147	1.012	11.8	86	0.01
90	C	Benzo(a)pyrene	1.087	1.083	0.4	97	0.01
91		Dibenzo(a,h)anthracene	1.001	1.172	-17.1	108	0.01
92		Benzo(g,h,i)perylene	1.048	1.227	-17.1	108	0.01

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2		1,4-Dioxane	40.000	38.728	3.2	99	-0.01
3		Pyridine	40.000	39.606	1.0	98	0.00
4		n-Nitrosodimethylamine	40.000	39.614	1.0	101	-0.03
5	S	2-Fluorophenol	80.000	80.176	-0.2	102	0.00
6		Aniline	40.000	39.376	1.6	99	-0.01
7	S	Phenol-d6	80.000	77.687	2.9	100	0.00
8		2-Chlorophenol	40.000	39.158	2.1	101	0.00
9		Benzaldehyde	40.000	32.674	18.3	88	0.00
10	C	Phenol	40.000	38.940	2.7	100	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.036	2.4	100	0.00
12		1,3-Dichlorobenzene	40.000	39.668	0.8	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.023	2.4	101	0.00
14		1,2-Dichlorobenzene	40.000	39.967	0.1	103	0.00
15		Benzyl Alcohol	40.000	39.473	1.3	99	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.715	0.7	102	0.00
17		2-Methylphenol	40.000	39.034	2.4	100	0.00
18		Hexachloroethane	40.000	40.642	-1.6	104	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.706	3.2	99	-0.01
20		3+4-Methylphenols	40.000	38.569	3.6	99	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	38.827	2.9	99	0.00
23	S	Nitrobenzene-d5	80.000	78.840	1.4	100	0.00
24		Nitrobenzene	40.000	39.108	2.2	99	0.00
25		Isophorone	40.000	38.993	2.5	99	0.00
26	C	2-Nitrophenol	40.000	40.102	-0.3	98	0.00
27		2,4-Dimethylphenol	40.000	39.519	1.2	98	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.467	1.3	99	0.00
29	C	2,4-Dichlorophenol	40.000	39.280	1.8	99	0.00
30		1,2,4-Trichlorobenzene	40.000	39.705	0.7	102	0.00
31		Naphthalene	40.000	39.639	0.9	101	0.00
32		Benzoic acid	40.000	34.738	13.2	87	-0.04
33		4-Chloroaniline	40.000	38.208	4.5	97	-0.01
34	C	Hexachlorobutadiene	40.000	41.054	-2.6	104	0.00
35		Caprolactam	40.000	38.739	3.2	95	-0.03
36	C	4-Chloro-3-methylphenol	40.000	38.947	2.6	97	0.00
37		2-Methylnaphthalene	40.000	39.242	1.9	101	0.00
38		1-Methylnaphthalene	40.000	38.931	2.7	99	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.116	-0.3	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.172	7.1	87	0.00
42	S	2,4,6-Tribromophenol	80.000	77.122	3.6	96	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.950	0.1	99	0.00
44		2,4,5-Trichlorophenol	40.000	39.281	1.8	96	0.00
45	S	2-Fluorobiphenyl	80.000	78.674	1.7	100	0.00
46		1,1'-Biphenyl	40.000	39.517	1.2	99	0.00
47		2-Chloronaphthalene	40.000	39.887	0.3	100	0.00

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.822	2.9	95	0.00
49		Acenaphthylene	40.000	39.253	1.9	98	0.00
50		Dimethylphthalate	40.000	39.112	2.2	98	-0.01
51		2,6-Dinitrotoluene	40.000	38.236	4.4	94	0.00
52	C	Acenaphthene	40.000	39.100	2.2	97	0.00
53		3-Nitroaniline	40.000	38.310	4.2	95	0.00
54	P	2,4-Dinitrophenol	40.000	36.647	8.4	91	0.00
55		Dibenzofuran	40.000	39.157	2.1	98	0.00
56	P	4-Nitrophenol	40.000	37.656	5.9	89	-0.01
57		2,4-Dinitrotoluene	40.000	38.351	4.1	95	0.00
58		Fluorene	40.000	39.202	2.0	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.428	3.9	96	0.00
60		Diethylphthalate	40.000	39.149	2.1	98	0.00
61		4-Chlorophenyl-phenylether	40.000	39.967	0.1	100	0.00
62		4-Nitroaniline	40.000	37.408	6.5	90	-0.02
63		Azobenzene	40.000	39.338	1.7	98	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.398	4.0	87	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.759	-1.9	97	-0.01
67		4-Bromophenyl-phenylether	40.000	41.197	-3.0	97	0.00
68		Hexachlorobenzene	40.000	40.874	-2.2	96	0.00
69		Atrazine	40.000	37.940	5.2	92	0.00
70	C	Pentachlorophenol	40.000	37.449	6.4	83	0.00
71		Phenanthrene	40.000	40.095	-0.2	95	0.00
72		Anthracene	40.000	40.071	-0.2	95	0.00
73		Carbazole	40.000	39.007	2.5	92	0.00
74		Di-n-butylphthalate	40.000	40.113	-0.3	94	0.00
75	C	Fluoranthene	40.000	38.350	4.1	90	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77		Benzidine	40.000	37.236	6.9	67	0.00
78		Pyrene	40.000	42.509	-6.3	89	0.00
79	S	Terphenyl-d14	80.000	84.606	-5.8	90	0.00
80		Butylbenzylphthalate	40.000	42.551	-6.4	88	0.00
81		Benzo(a)anthracene	40.000	39.246	1.9	83	0.00
82		3,3'-Dichlorobenzidine	40.000	39.165	2.1	85	0.00
83		Chrysene	40.000	40.265	-0.7	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.402	-13.5	94	0.00
85	c	Di-n-octyl phthalate	40.000	49.334	-23.3#	104	0.01
86	I	Perylene-d12	20.000	20.000	0.0	97	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	46.037	-15.1	107	0.01
88		Benzo(b)fluoranthene	40.000	41.209	-3.0	100	0.01
89		Benzo(k)fluoranthene	40.000	35.313	11.7	86	0.01
90	C	Benzo(a)pyrene	40.000	39.851	0.4	97	0.01
91		Dibenzo(a,h)anthracene	40.000	46.809	-17.0	108	0.01
92		Benzo(g,h,i)perylene	40.000	46.843	-17.1	108	0.01

Sample Results: **BF141531.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141531.D
Acq On : 10 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 10 12:30:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

QC SAMPLE DATA

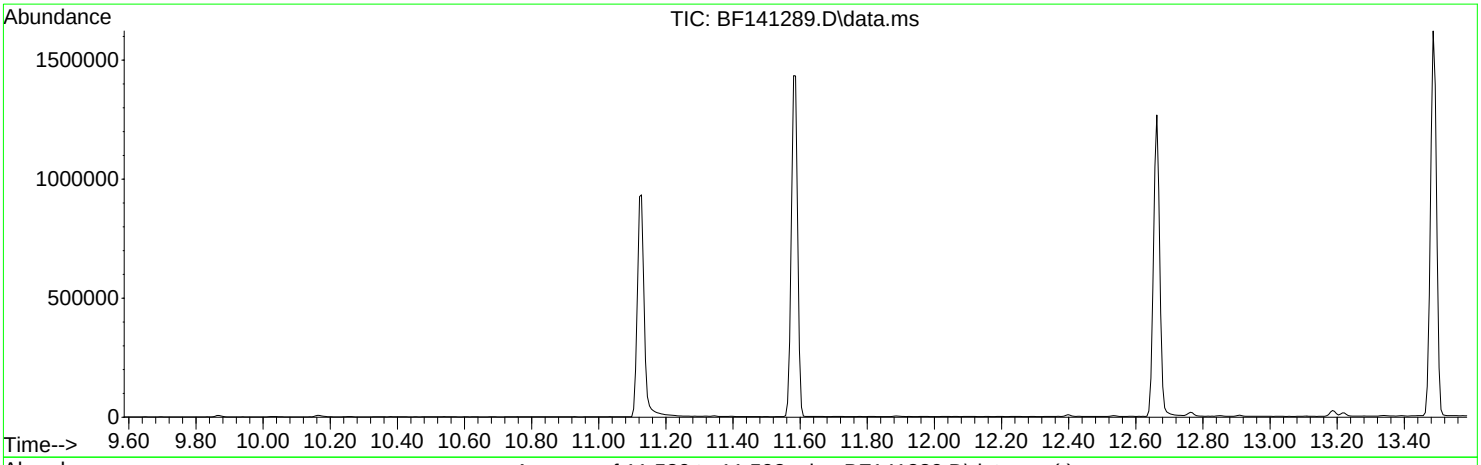
Sample Results: **BF141289.D**

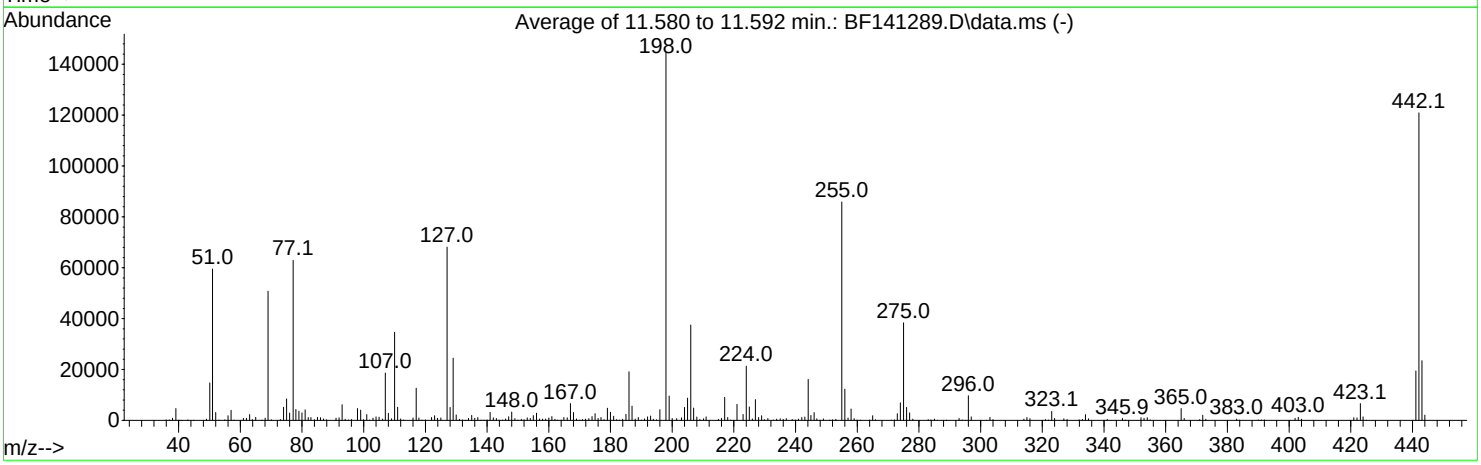
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

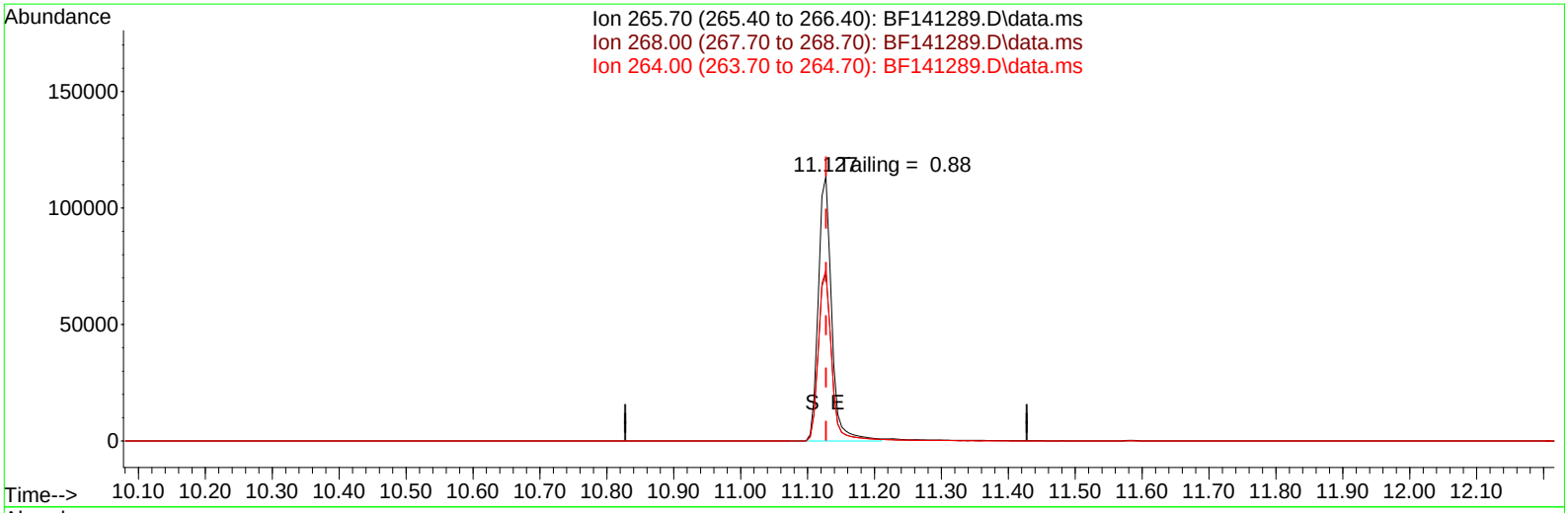
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.1	59504	PASS
68	69	0.00	2	1.7	874	PASS
69	198	0.00	100	35.1	50789	PASS
70	69	0.00	2	0.6	281	PASS
127	198	10	80	47.1	68133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144613	PASS
199	198	5	9	6.6	9584	PASS
275	198	10	60	26.5	38371	PASS
365	198	1	100	3.2	4642	PASS
441	198	0.01	100	13.5	19467	PASS
442	442	50	100	100.0	120923	PASS
443	442	15	24	19.4	23456	PASS

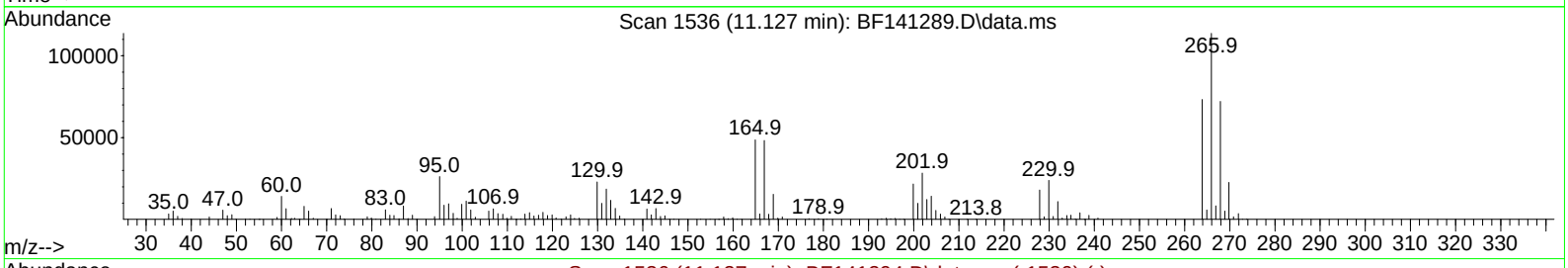
Sample Results: **BF141289.D**

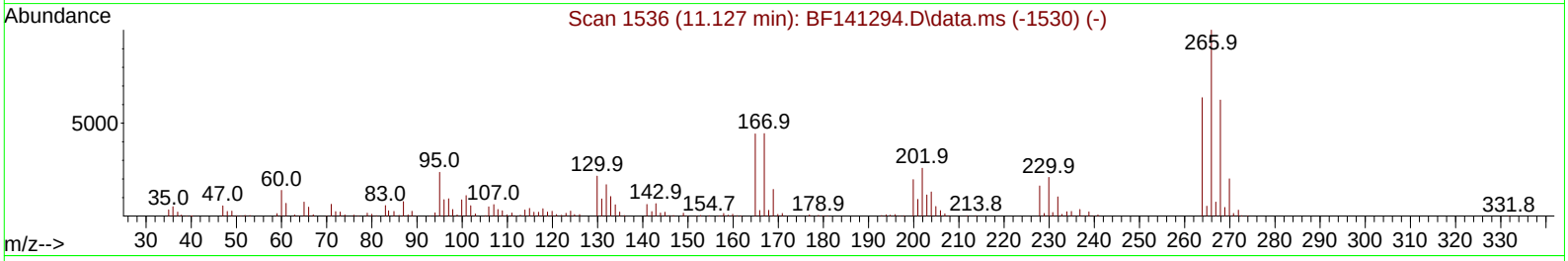
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration







TIC: BF141289.D\data.ms

(70) Pentachlorophenol (C)

11.127min (-0.000) 18353.04 ng

response 157302

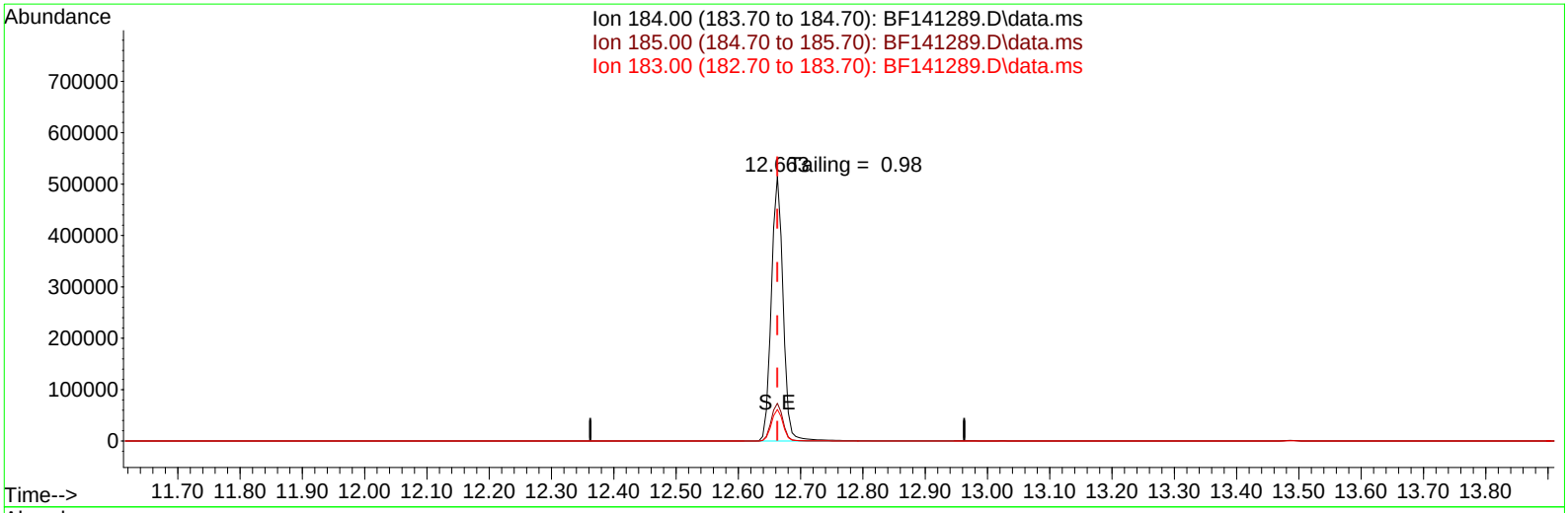
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.00	63.47
264.00	63.20	64.50
0.00	0.00	0.00

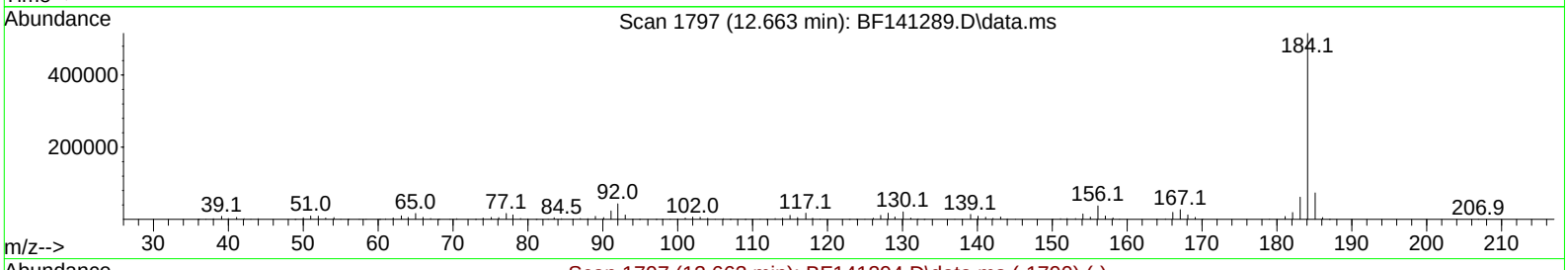
Sample Results: **BF141289.D**

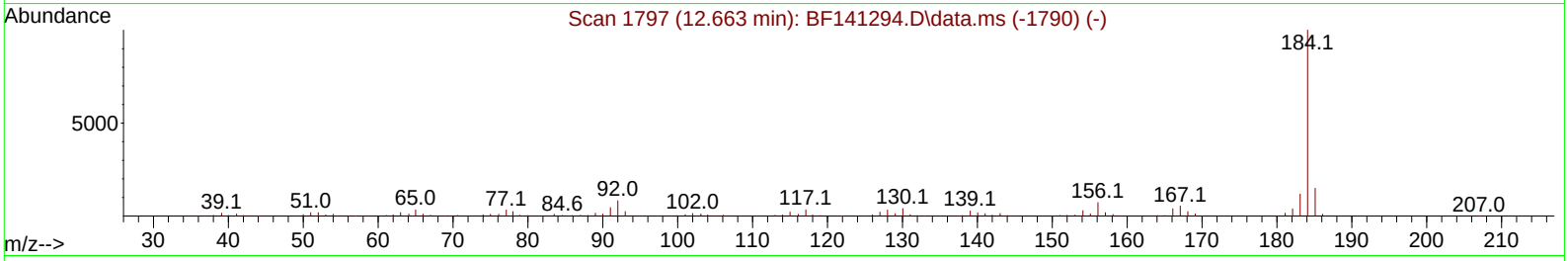
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration







TIC: BF141289.D\data.ms

(77) Benzidine

12.663min (-0.000) 86413.53 ng

response 677498

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.27
183.00	11.70	11.93
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/29/2025	BNA_F	BF141289.D
Compound Name	**Response**	**Retention Time**
DDT	407437	13.486
DDD	11239	13.186
DDE	931	12.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12170	419607	2.90

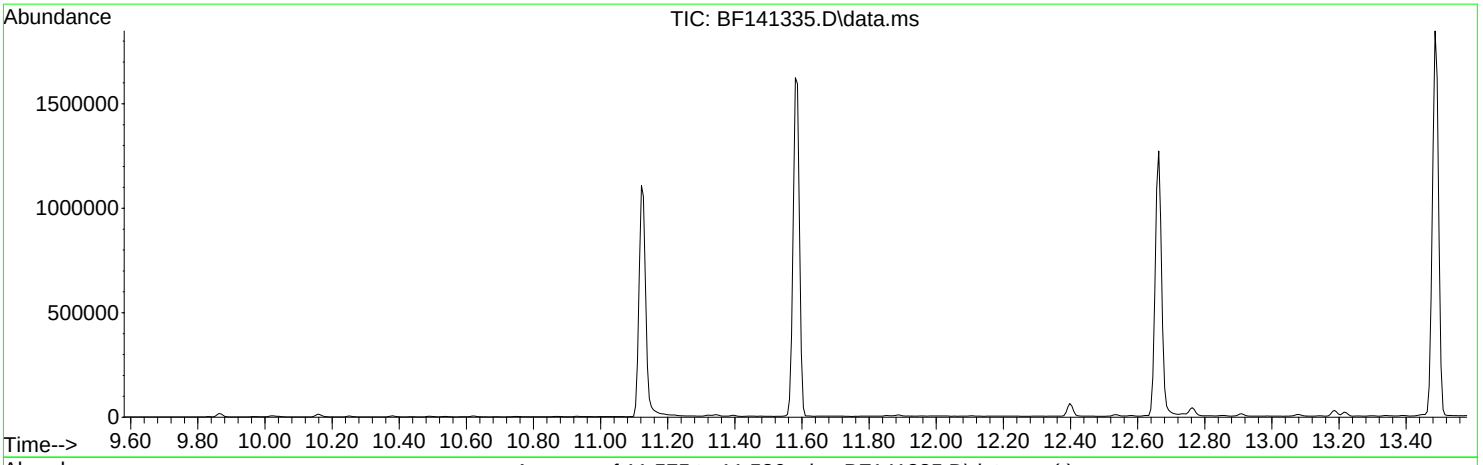
Sample Results: **BF141335.D**

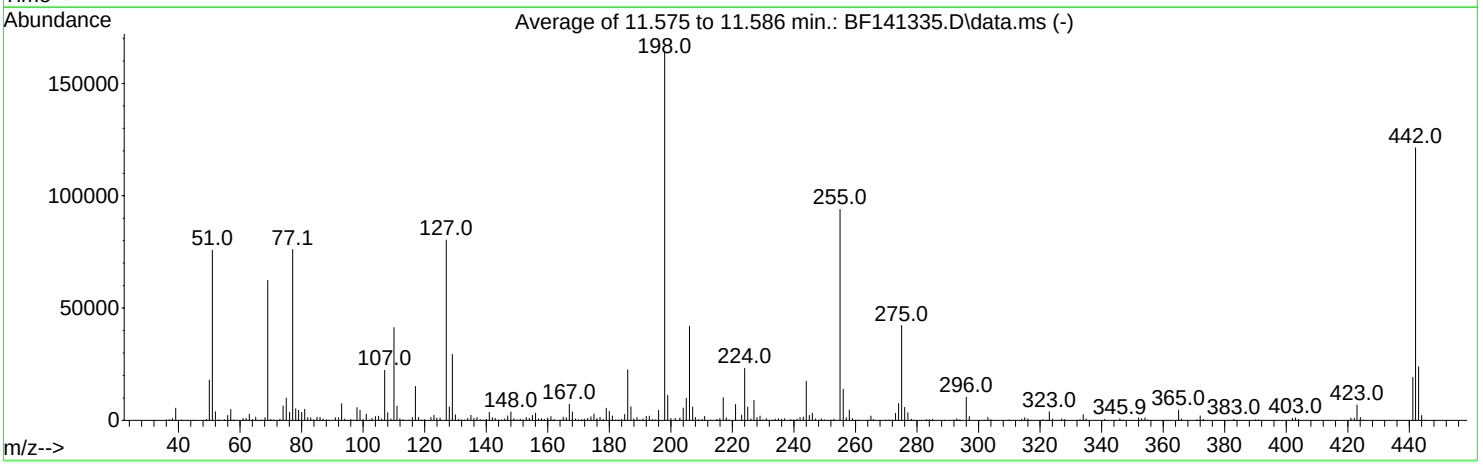
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.2	75704	PASS
68	69	0.00	2	1.9	1195	PASS
69	198	0.00	100	38.1	62342	PASS
70	69	0.00	2	0.7	436	PASS
127	198	10	80	49.0	80267	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	163789	PASS
199	198	5	9	6.8	11100	PASS
275	198	10	60	25.8	42219	PASS
365	198	1	100	2.8	4575	PASS
441	198	0.01	100	11.7	19173	PASS
442	442	50	100	100.0	121349	PASS
443	442	15	24	19.7	23847	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

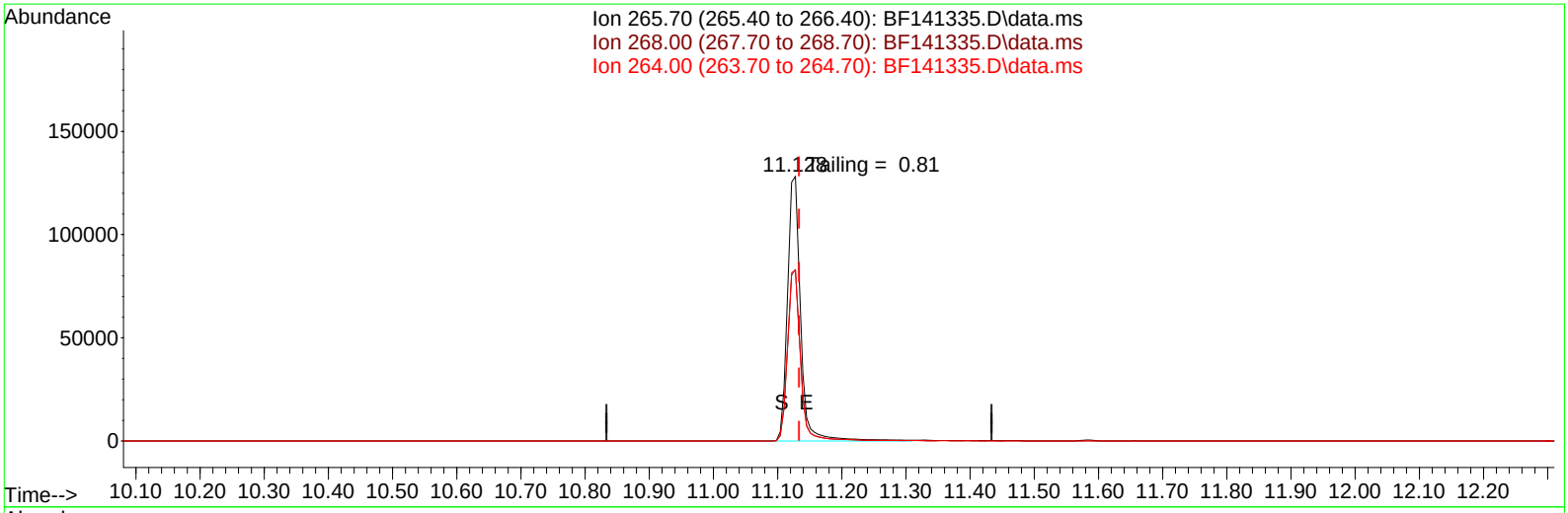
Date	Instrument Name	DFTPP Data File
1/31/2025	BNA_F	BF141335.D
Compound Name	**Response**	**Retention Time**
DDT	464959	13.486
DDD	12206	13.186
DDE	750	12.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12956	477915	2.71

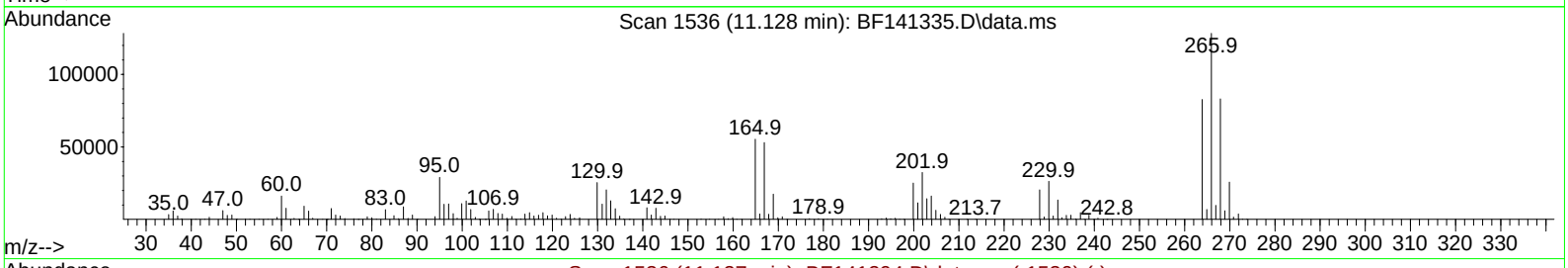
Sample Results: **BF141335.D**

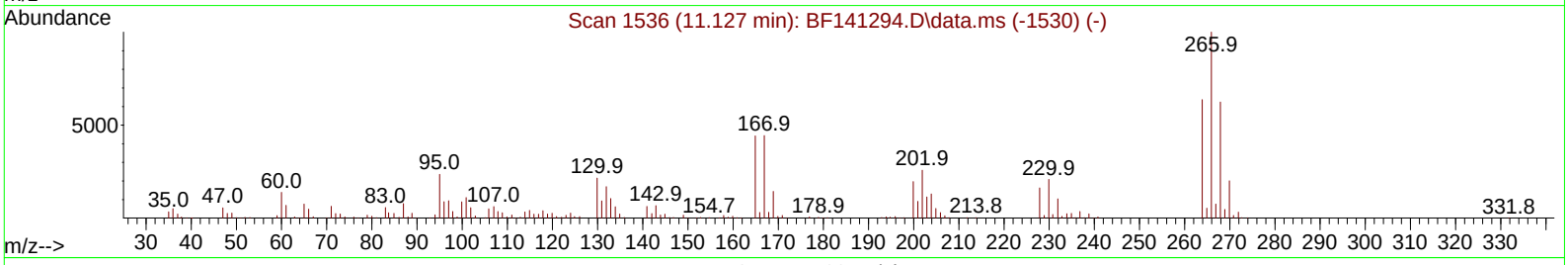
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141335.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 9273.56 ng

response 183922

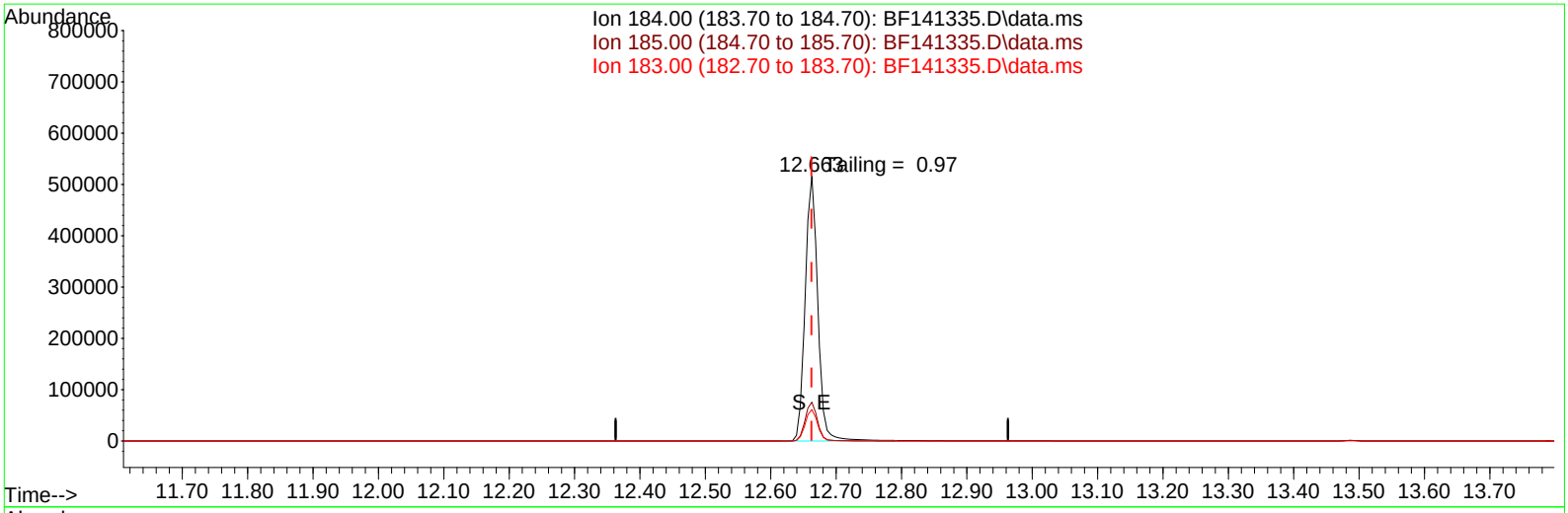
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.82
264.00	63.70	64.49
0.00	0.00	0.00

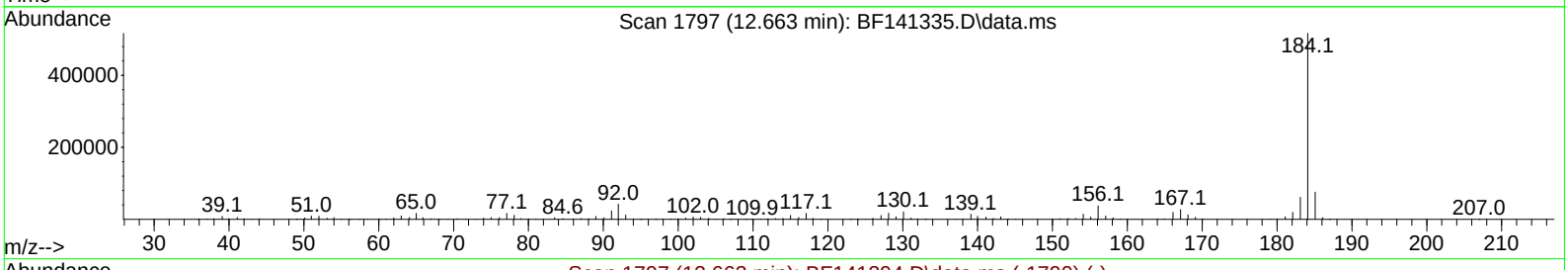
Sample Results: **BF141335.D**

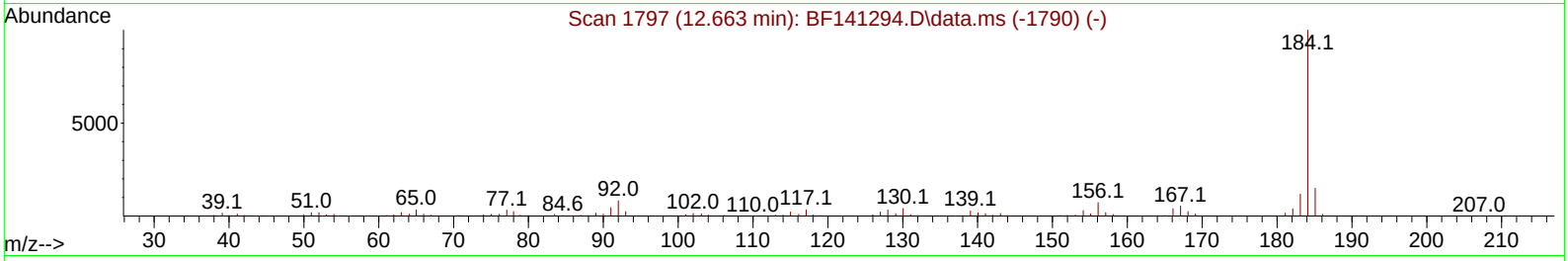
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141335.D\data.ms

(77) Benzidine

12.663min (-0.000) 12340.55 ng

response 693915

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.67
183.00	11.90	11.87
0.00	0.00	0.00

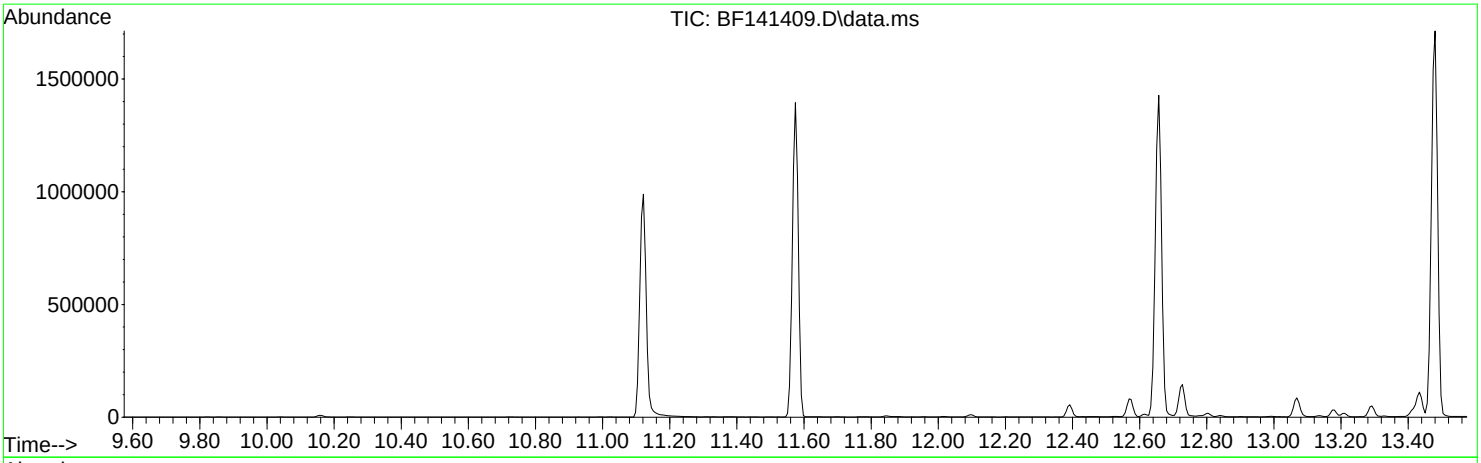
Sample Results: **BF141409.D**

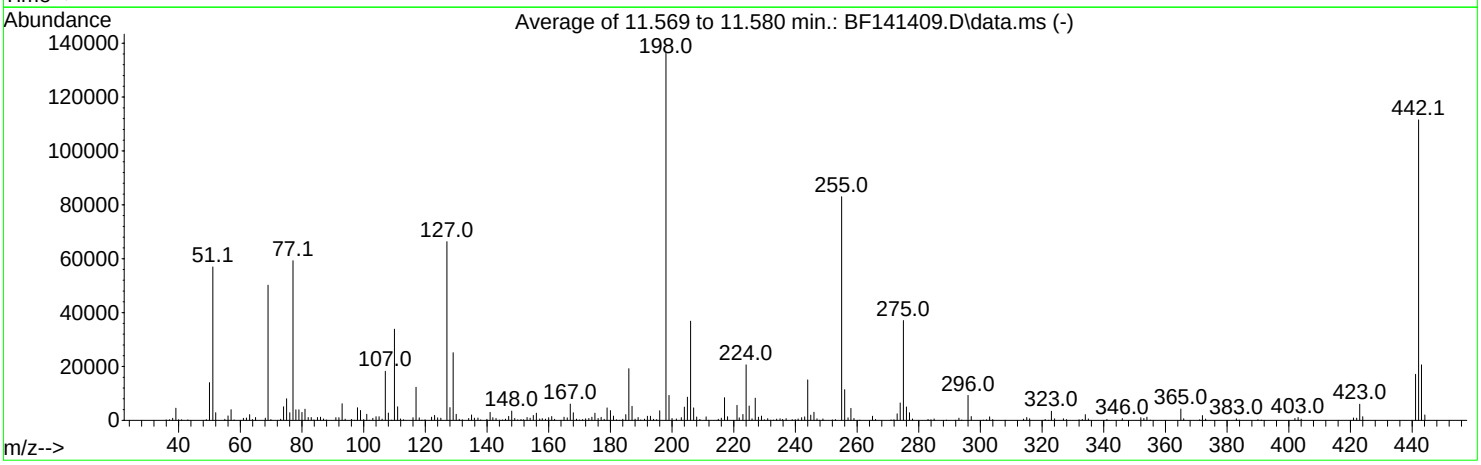
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.7	56976	PASS
68	69	0.00	2	1.7	844	PASS
69	198	0.00	100	36.7	50160	PASS
70	69	0.00	2	0.6	317	PASS
127	198	10	80	48.6	66312	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	136541	PASS
199	198	5	9	6.8	9266	PASS
275	198	10	60	27.1	37069	PASS
365	198	1	100	3.1	4251	PASS
441	198	0.01	100	12.5	17108	PASS
442	442	50	100	100.0	111555	PASS
443	442	15	24	18.5	20620	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

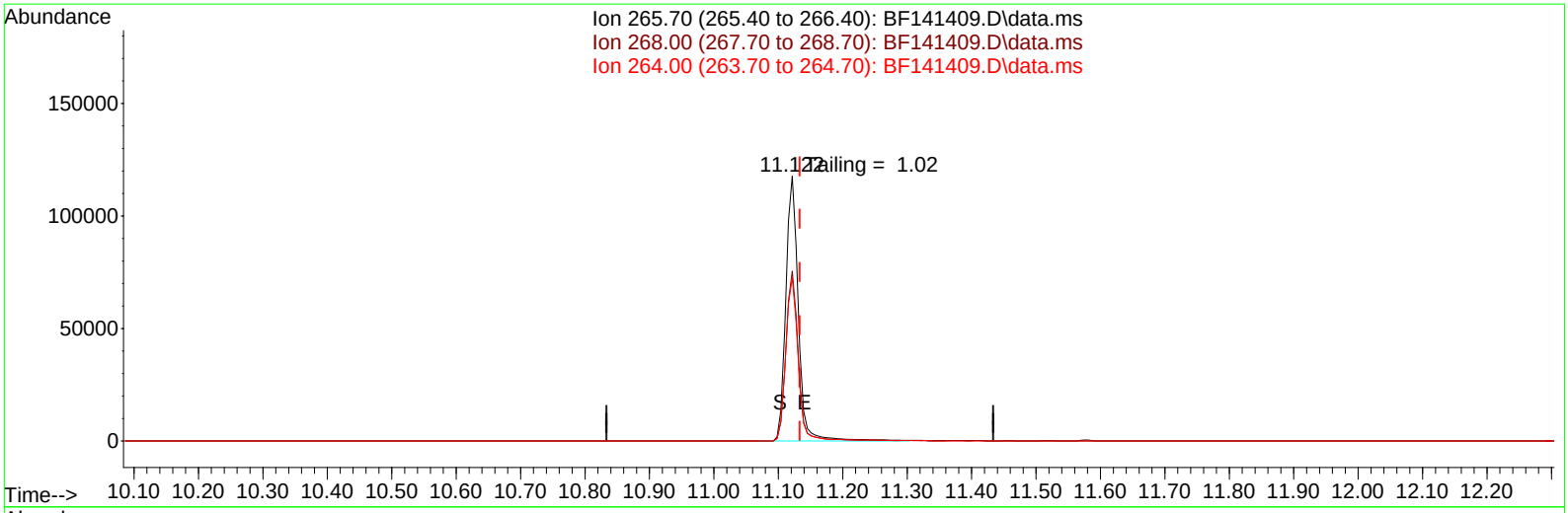
Date	Instrument Name	DFTPP Data File
2/4/2025	BNA_F	BF141409.D
Compound Name	**Response**	**Retention Time**
DDT	427881	13.48
DDD	13296	13.18
DDE	1486	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14782	442663	3.34

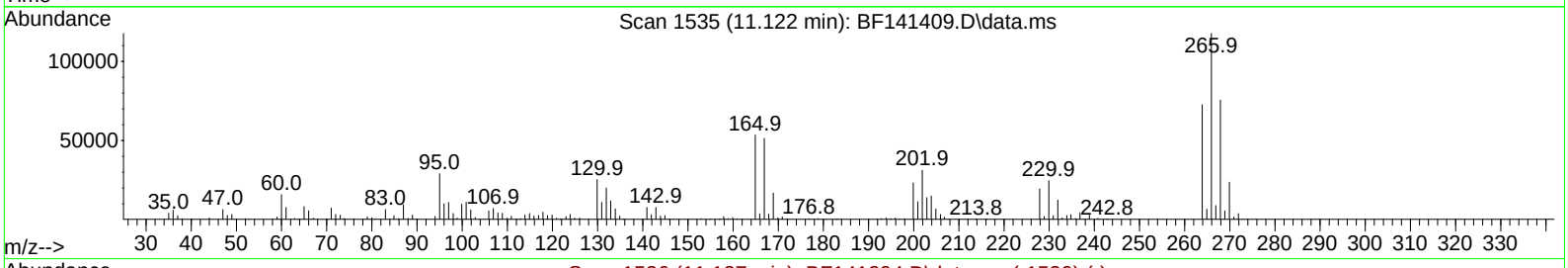
Sample Results: **BF141409.D**

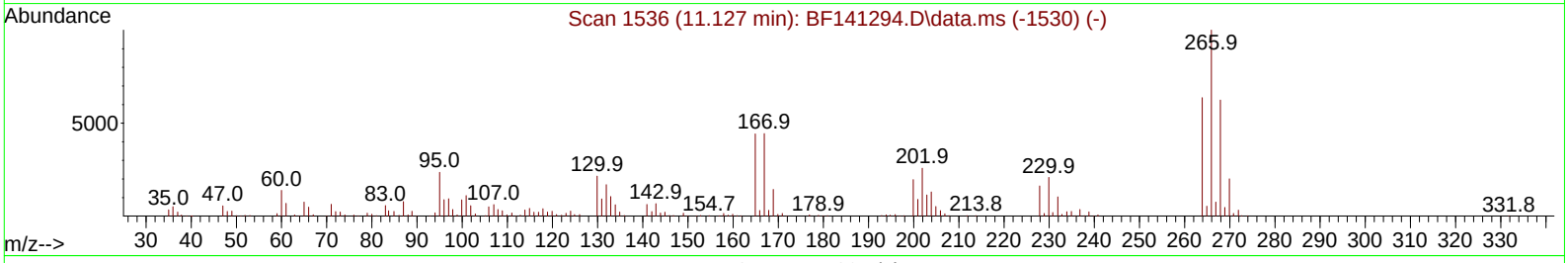
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 16:10:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141409.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 188004.57 ng

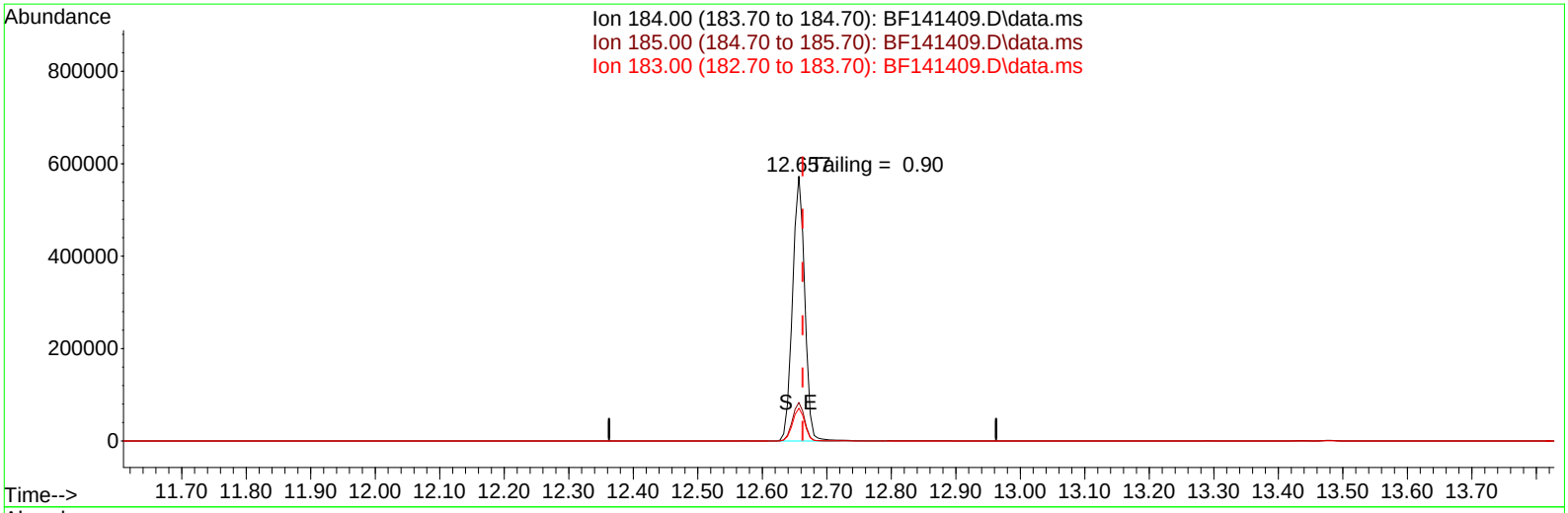
response 159502

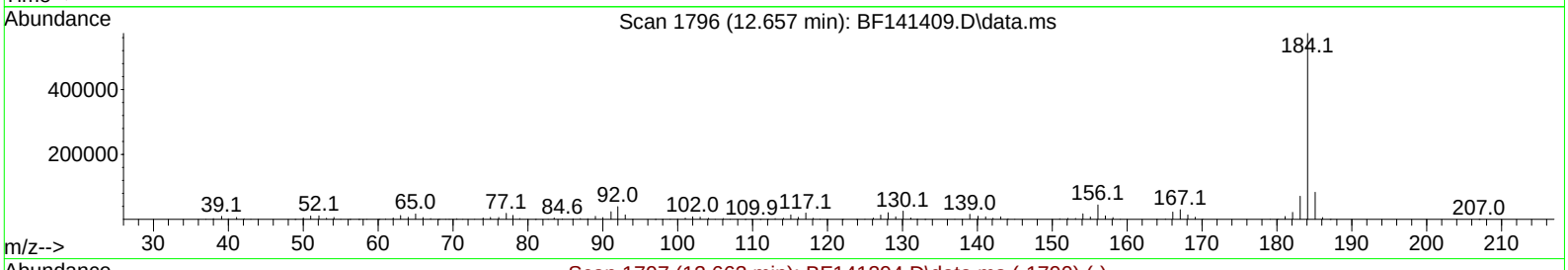
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.16
264.00	63.70	61.66
0.00	0.00	0.00

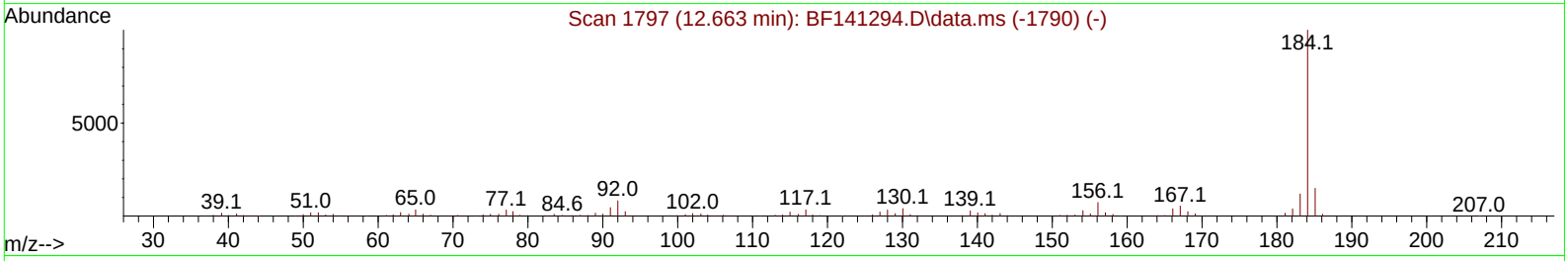
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141409.D
Acq On : 04 Feb 2025 15:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 16:10:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141409.D\data.ms

(77) Benzidine

12.657min (-0.006) 200133.30 ng m

response 757083

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.56
183.00	11.90	12.42
0.00	0.00	0.00

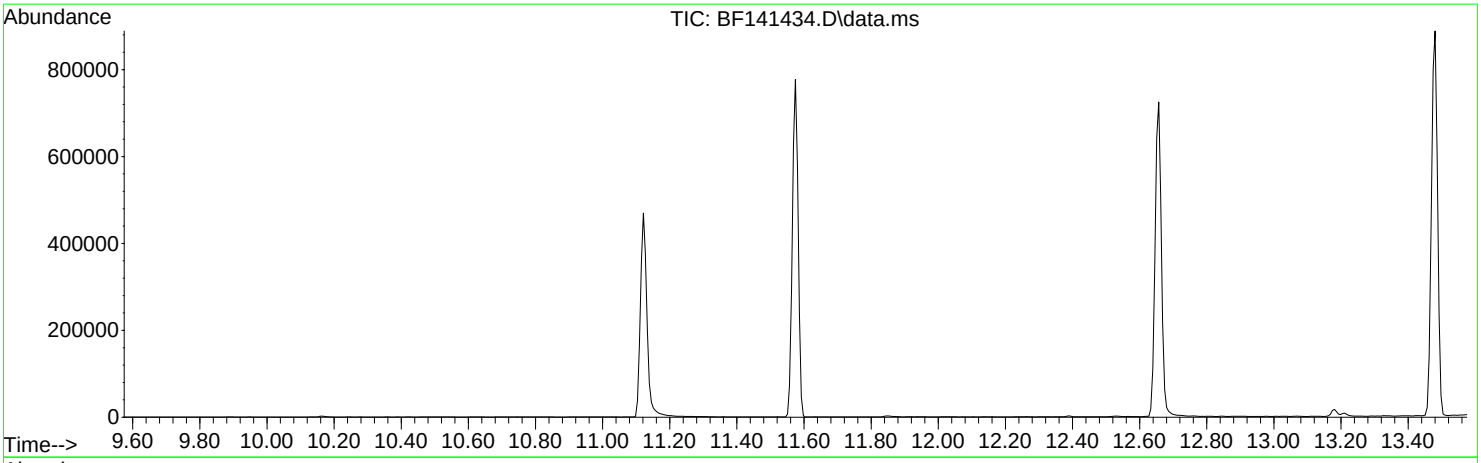
Sample Results: **BF141434.D**

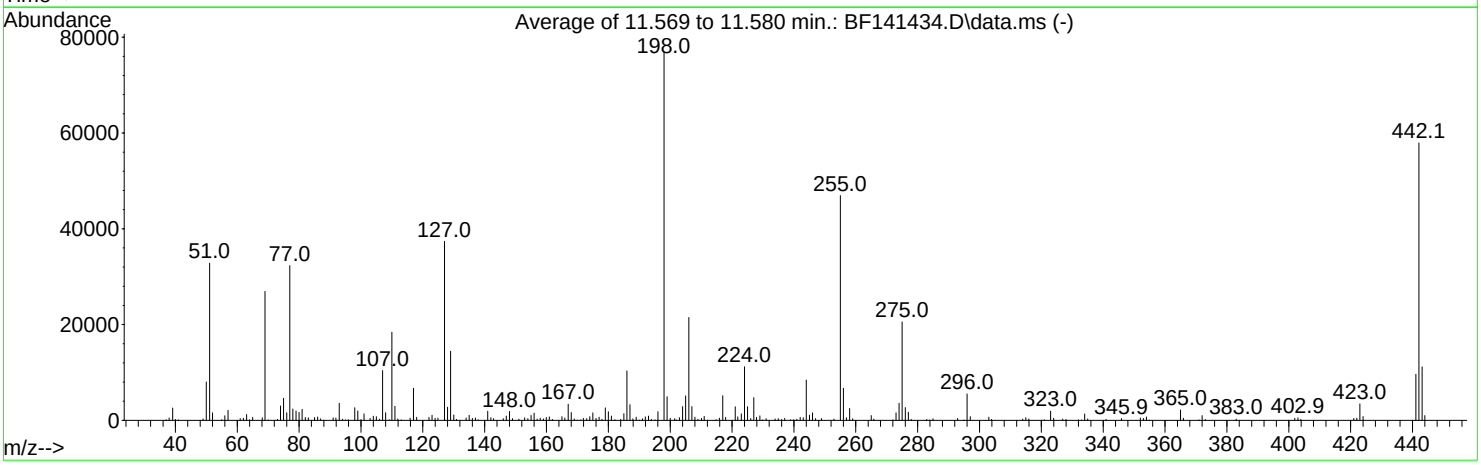
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.7	32805	PASS
68	69	0.00	2	2.0	529	PASS
69	198	0.00	100	35.1	26925	PASS
70	69	0.00	2	0.4	108	PASS
127	198	10	80	48.7	37376	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	76800	PASS
199	198	5	9	6.4	4937	PASS
275	198	10	60	26.8	20563	PASS
365	198	1	100	2.8	2166	PASS
441	198	0.01	100	12.5	9611	PASS
442	442	50	100	100.0	57928	PASS
443	442	15	24	19.2	11149	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

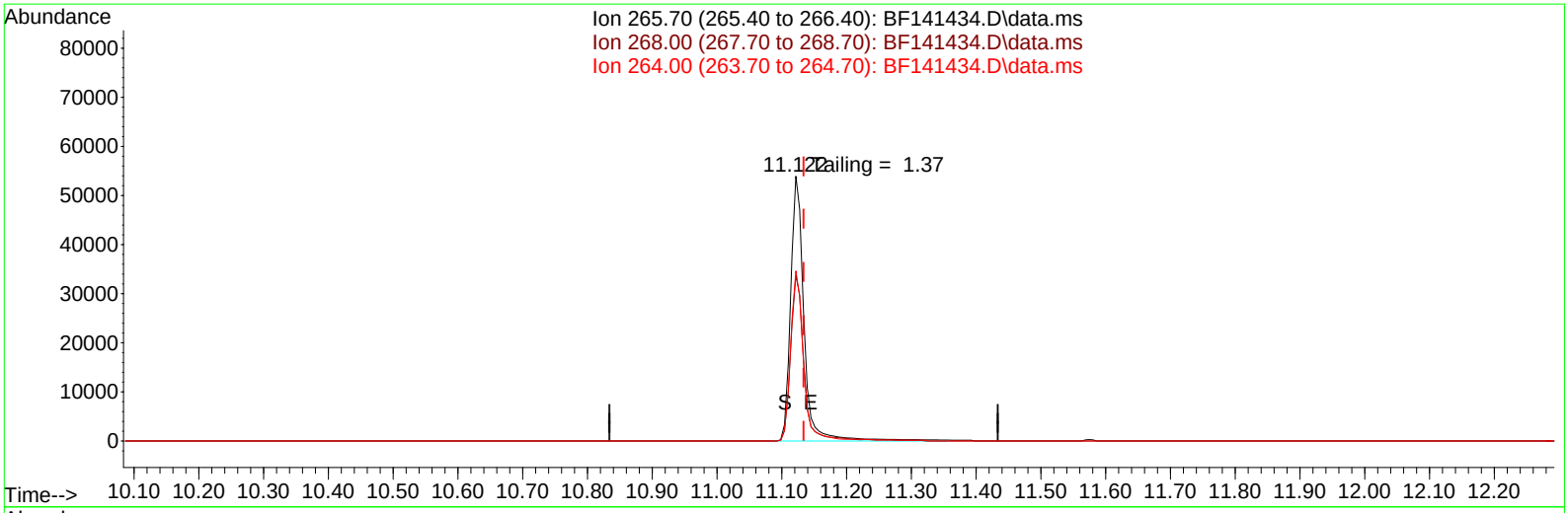
Date	Instrument Name	DFTPP Data File
2/5/2025	BNA_F	BF141434.D
Compound Name	**Response**	**Retention Time**
DDT	219771	13.48
DDD	7608	13.18
DDE	480	12.845
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8088	227859	3.55

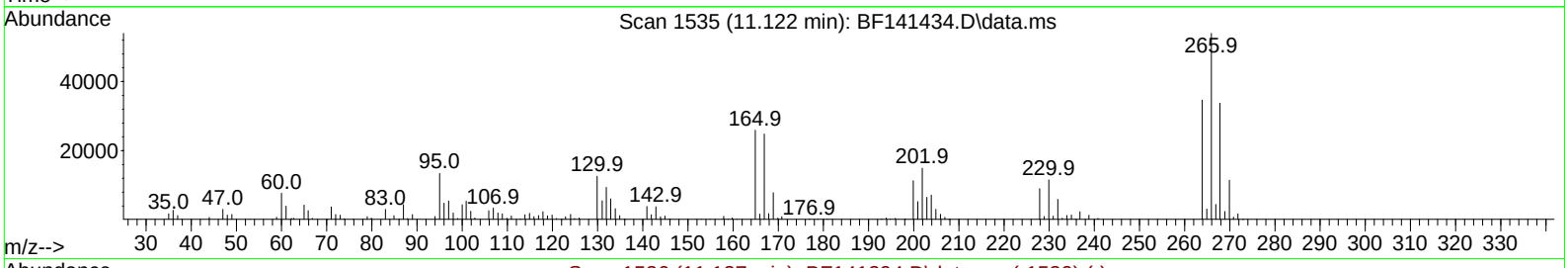
Sample Results: **BF141434.D**

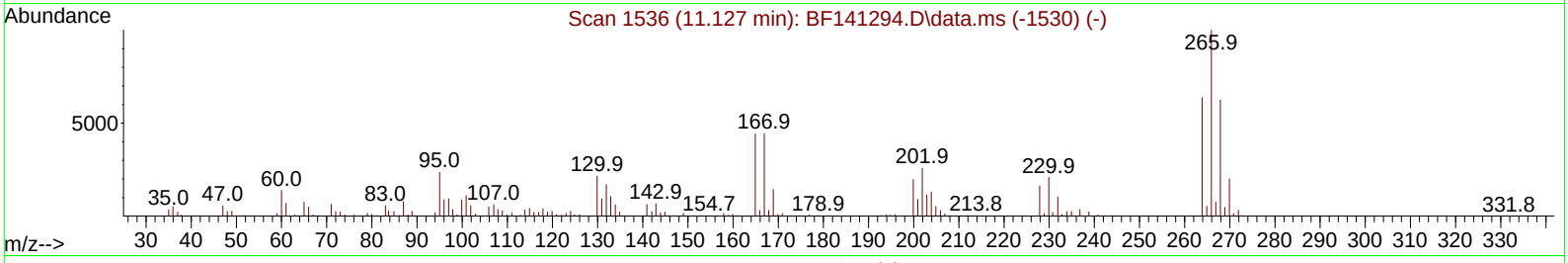
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 10:46:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141434.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 27136.66 ng

response 77371

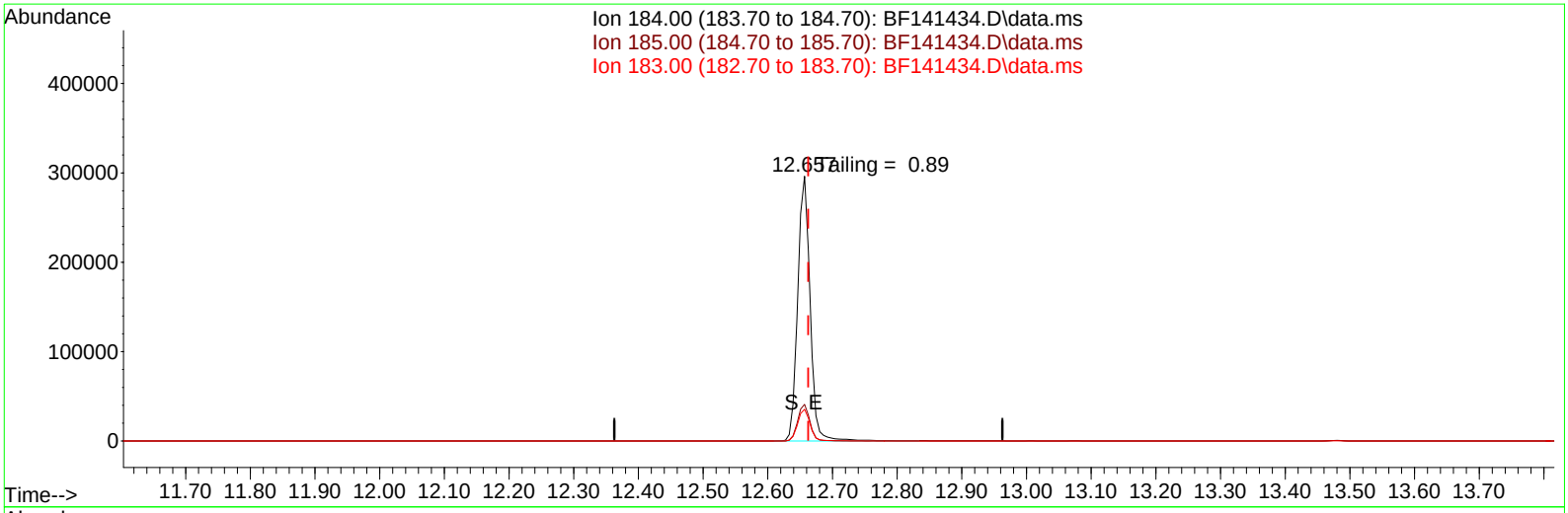
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.57
264.00	63.70	64.19
0.00	0.00	0.00

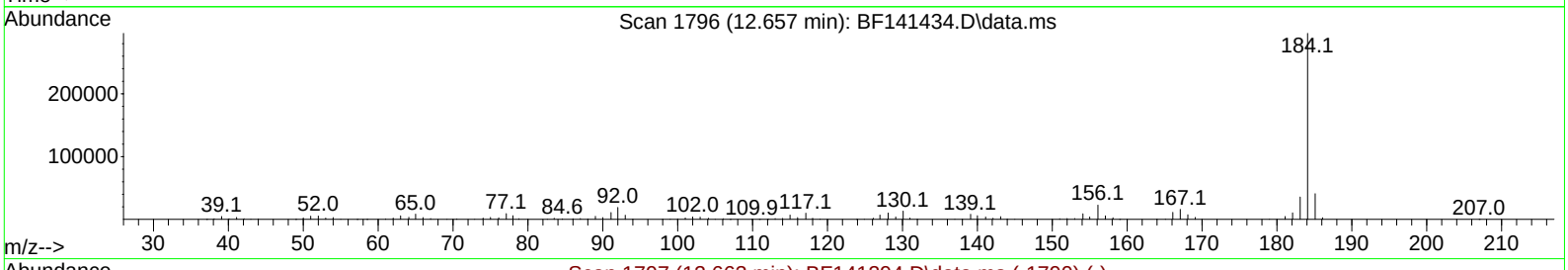
Sample Results: **BF141434.D**

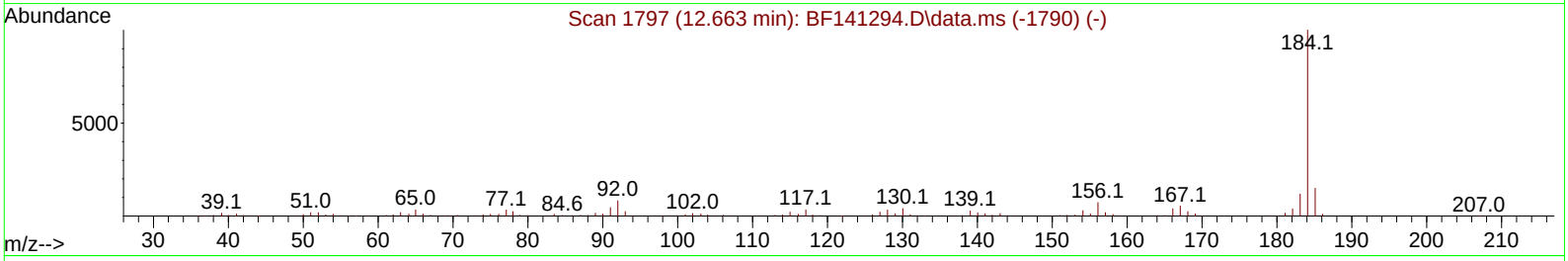
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 10:46:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141434.D\data.ms

(77) Benzidine

12.657min (-0.006) 0.00 ng

response 393319

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	13.83
183.00	11.90	12.02
0.00	0.00	0.00

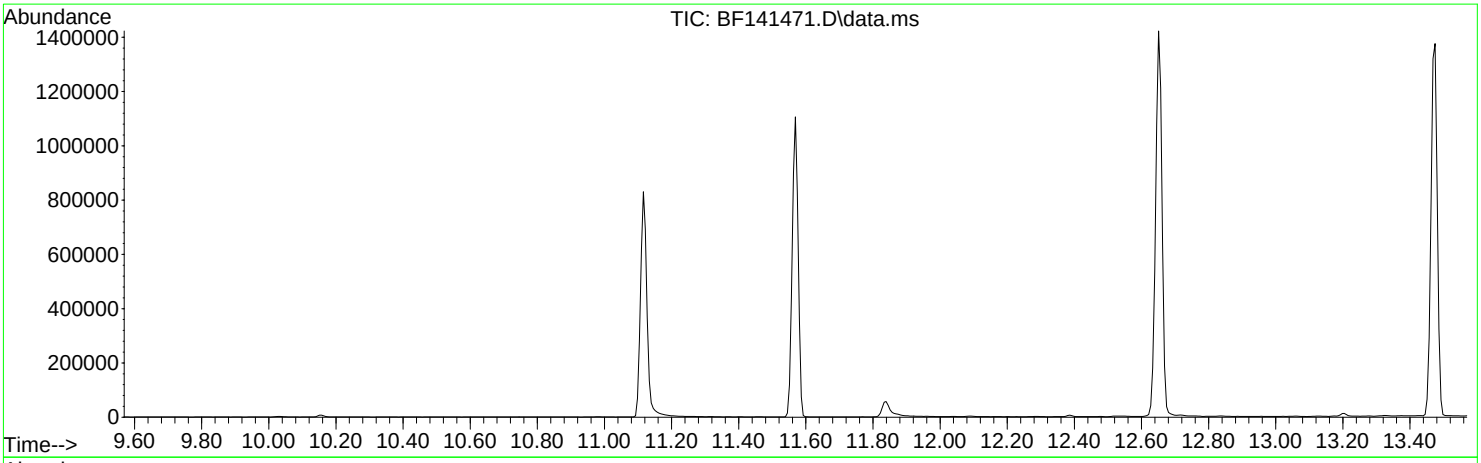
Sample Results: **BF141471.D**

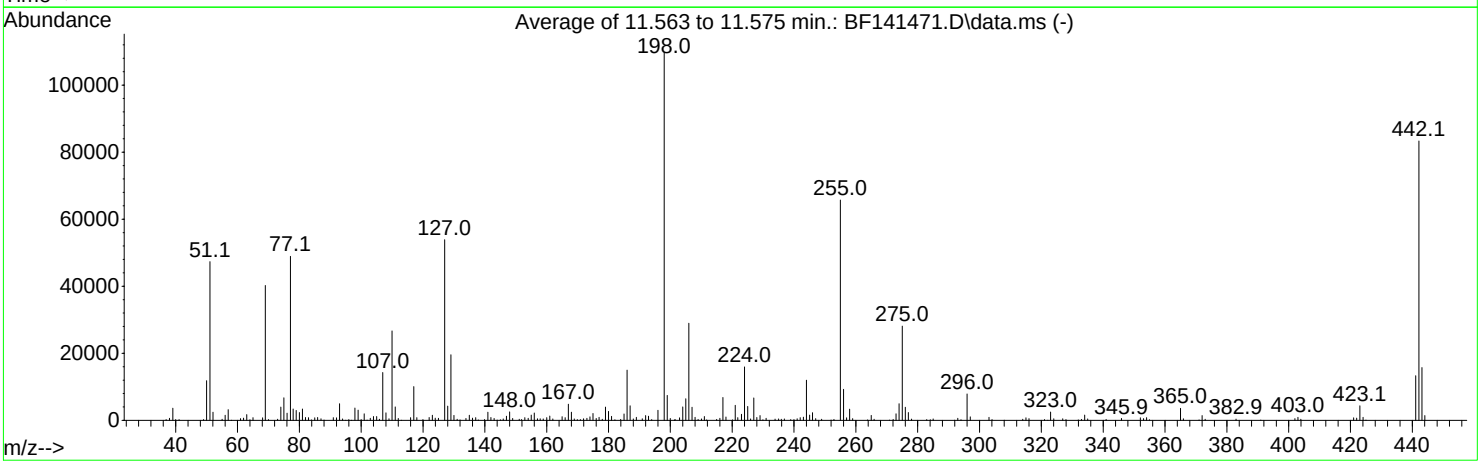
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025





AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	47360	PASS
68	69	0.00	2	1.9	756	PASS
69	198	0.00	100	36.7	40248	PASS
70	69	0.00	2	0.5	221	PASS
127	198	10	80	49.1	53877	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	109720	PASS
199	198	5	9	6.8	7444	PASS
275	198	10	60	25.6	28133	PASS
365	198	1	100	3.3	3599	PASS
441	198	0.01	100	12.2	13341	PASS
442	442	50	100	100.0	83323	PASS
443	442	15	24	18.9	15754	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

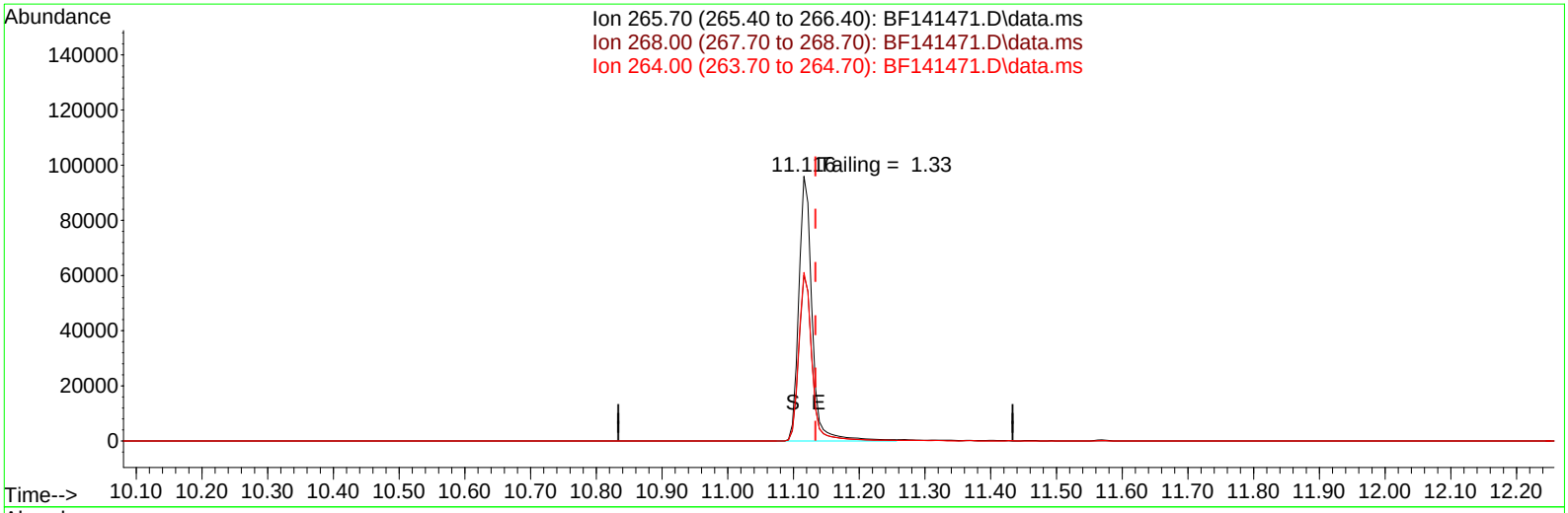
Date	Instrument Name	DFTPP Data File
2/6/2025	BNA_F	BF141471.D
Compound Name	**Response**	**Retention Time**
DDT	348871	13.475
DDD	6398	13.204
DDE	521	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6919	355790	1.94

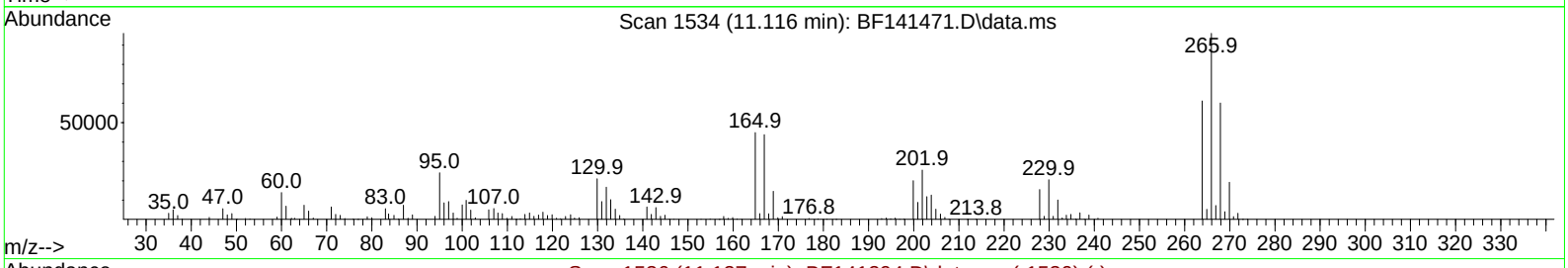
Sample Results: **BF141471.D**

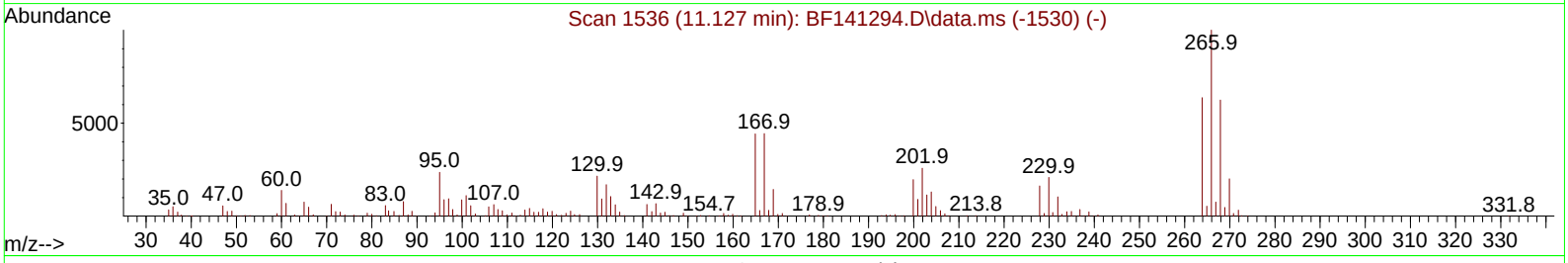
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration







TIC: BF141471.D\data.ms

(70) Pentachlorophenol (C)

11.116min (-0.018) 32915.33 ng

response 135048

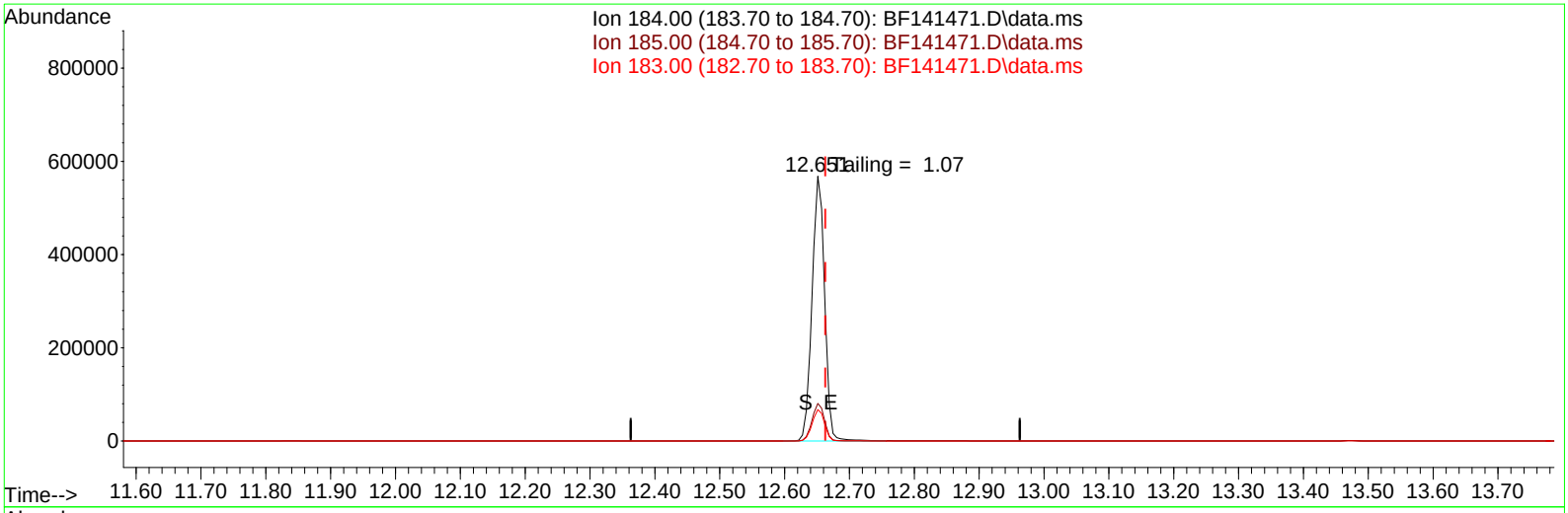
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.59
264.00	63.70	63.70
0.00	0.00	0.00

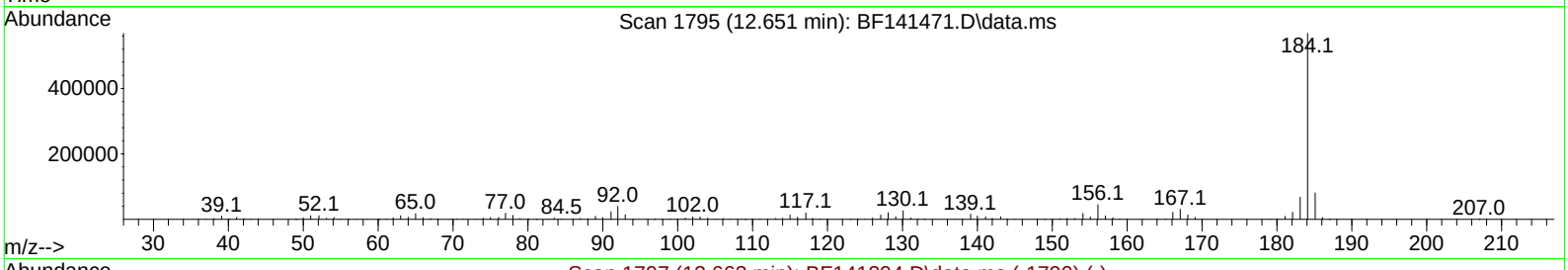
Sample Results: **BF141471.D**

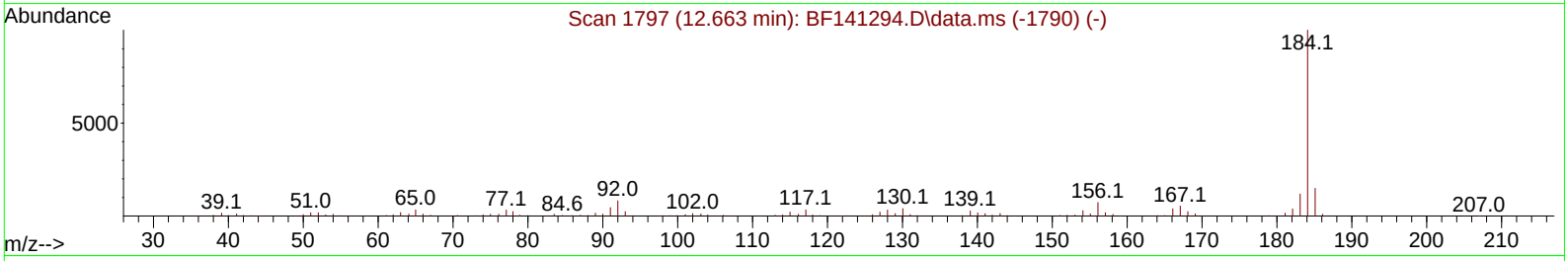
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration







TIC: BF141471.D\data.ms

(77) Benzidine

12.651min (-0.012) 0.00 ng

response 764582

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.21
183.00	11.90	11.88
0.00	0.00	0.00

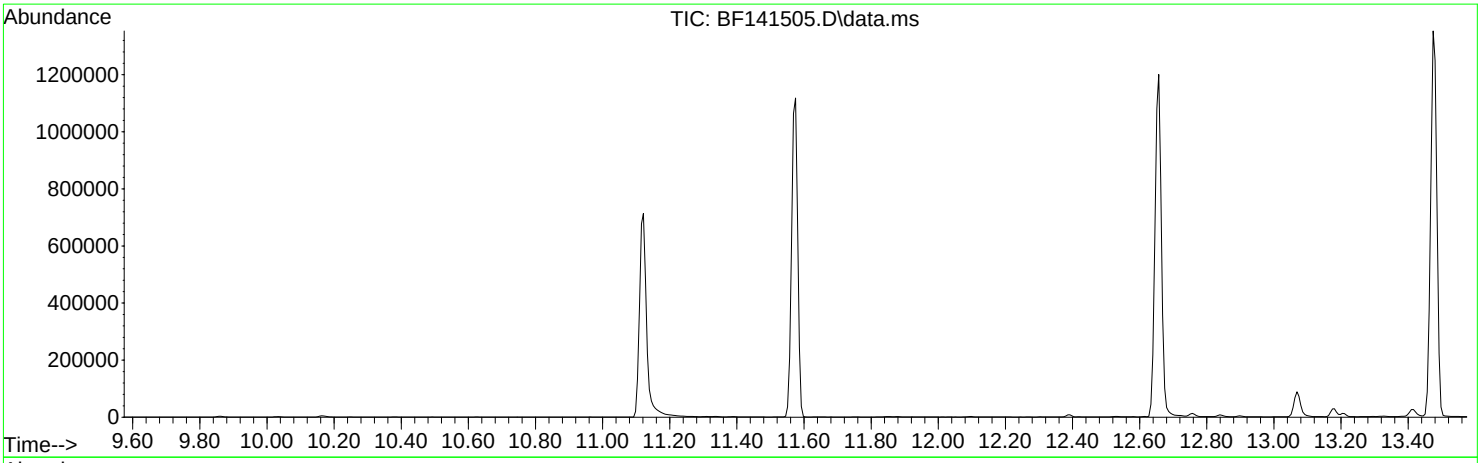
Sample Results: **BF141505.D**

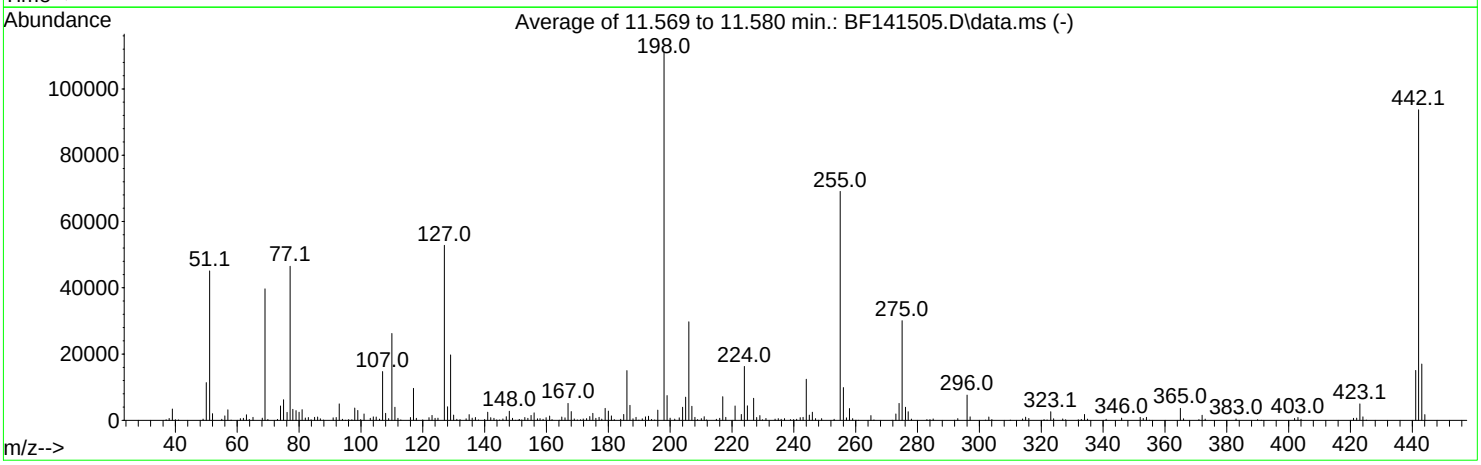
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025





AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1604

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.6	45085	PASS
68	69	0.00	2	1.7	677	PASS
69	198	0.00	100	35.7	39669	PASS
70	69	0.00	2	0.7	272	PASS
127	198	10	80	47.6	52811	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	110989	PASS
199	198	5	9	6.7	7473	PASS
275	198	10	60	27.1	30101	PASS
365	198	1	100	3.3	3633	PASS
441	198	0.01	100	13.6	15067	PASS
442	442	50	100	100.0	93723	PASS
443	442	15	24	18.1	16972	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

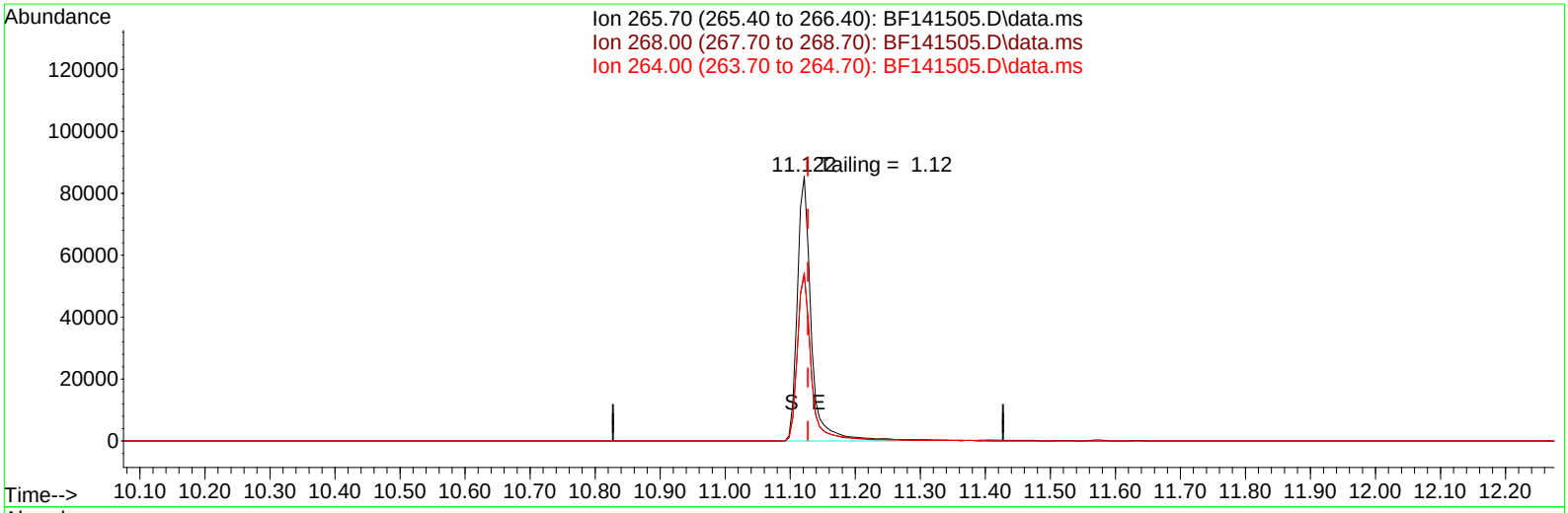
Date	Instrument Name	DFTPP Data File
2/7/2025	BNA_F	BF141505.D
Compound Name	**Response**	**Retention Time**
DDT	346517	13.474
DDD	12084	13.18
DDE	2082	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14166	360683	3.93

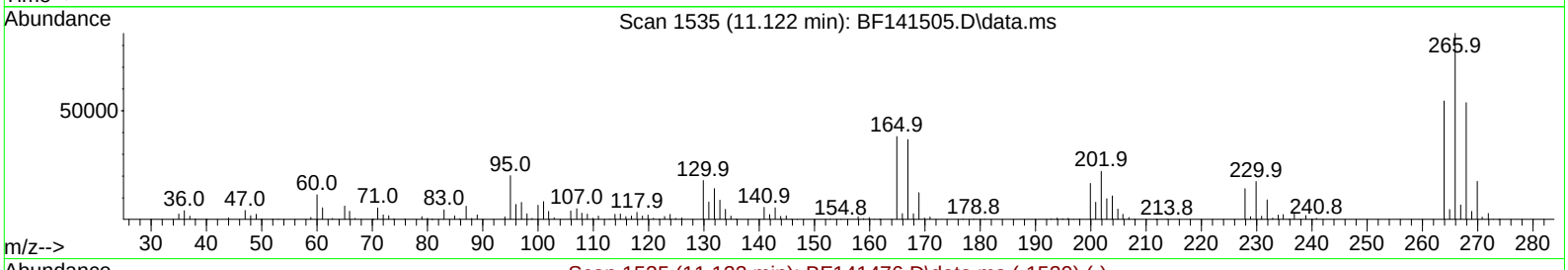
Sample Results: **BF141505.D**

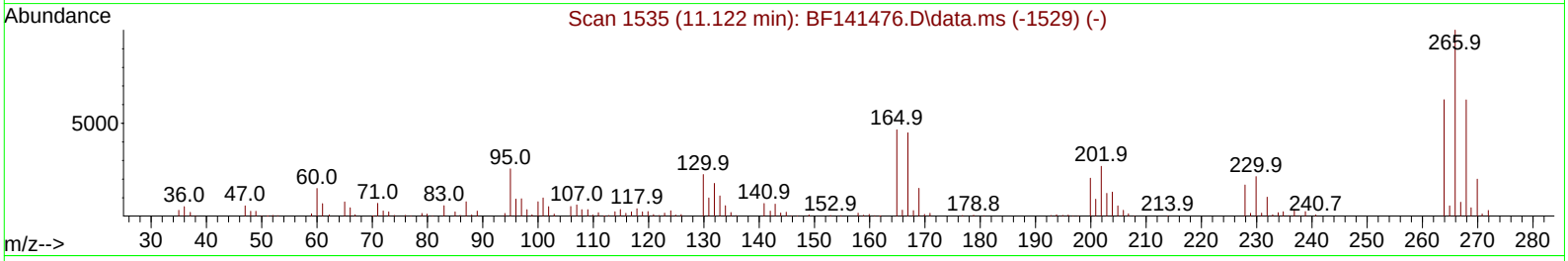
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 07 14:31:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration







TIC: BF141505.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.006) 20208.15 ng

response 127294

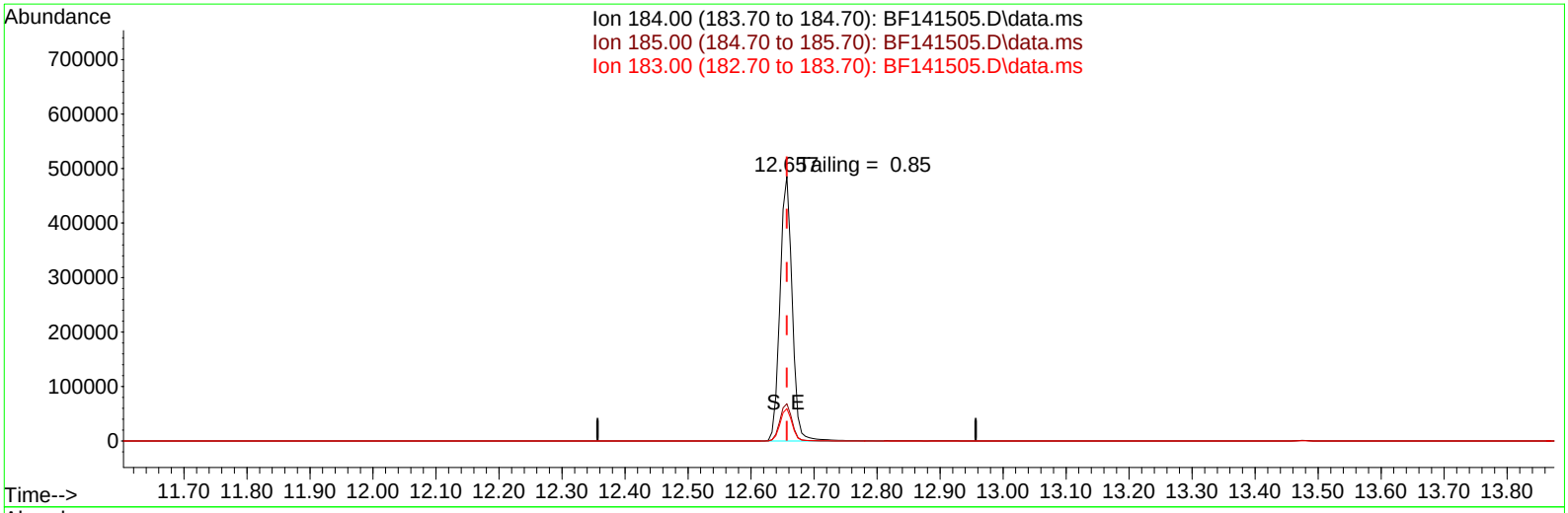
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	62.80
264.00	62.60	63.69
0.00	0.00	0.00

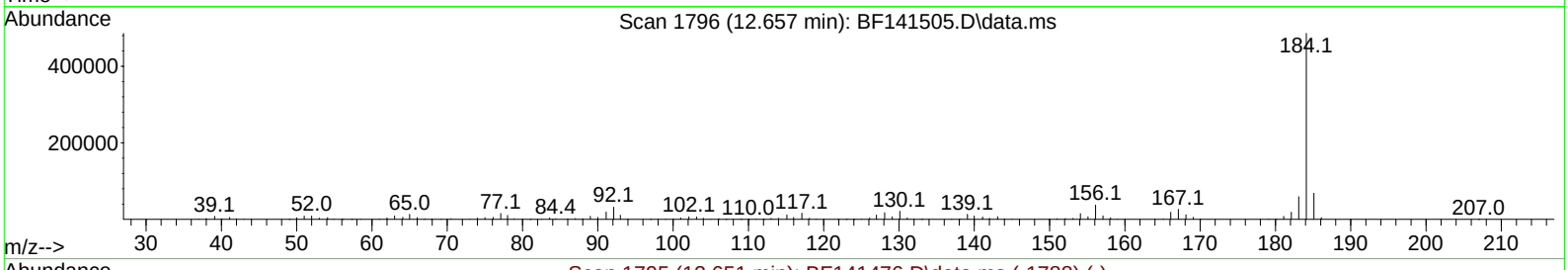
Sample Results: **BF141505.D**

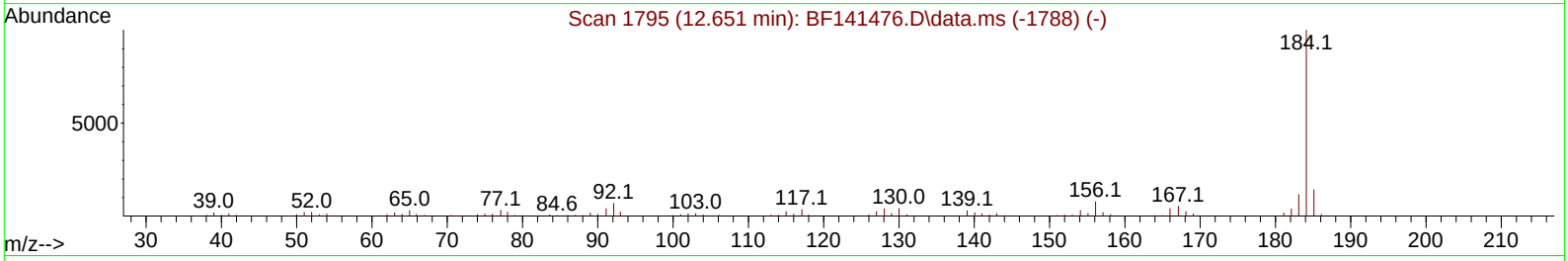
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 07 14:31:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration







TIC: BF141505.D\data.ms

(77) Benzidine

12.657min (+ 0.000) 44608.91 ng

response 656208

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.11
183.00	11.60	12.23
0.00	0.00	0.00

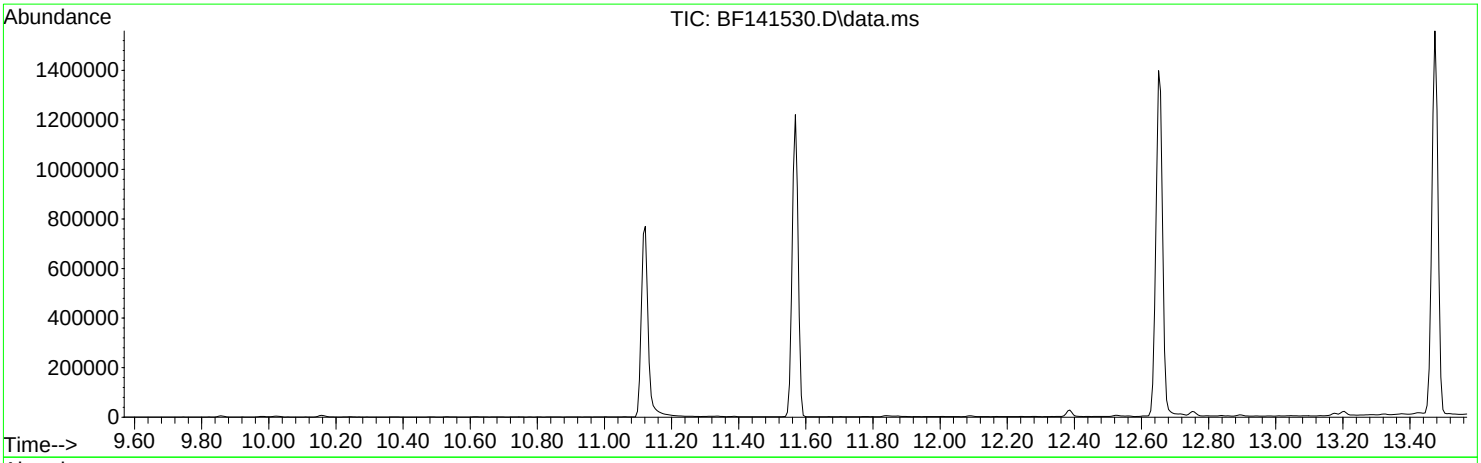
Sample Results: **BF141530.D**

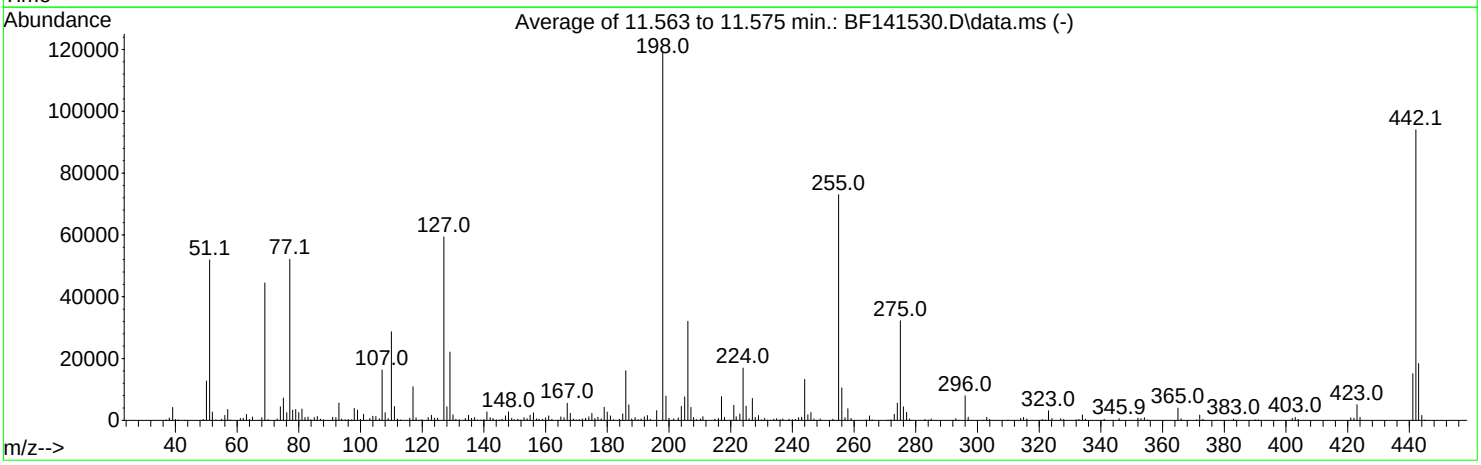
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025





AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1604

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.6	51904	PASS
68	69	0.00	2	1.9	860	PASS
69	198	0.00	100	37.3	44448	PASS
70	69	0.00	2	0.5	238	PASS
127	198	10	80	49.9	59352	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	119008	PASS
199	198	5	9	6.6	7849	PASS
275	198	10	60	27.1	32248	PASS
365	198	1	100	3.4	3990	PASS
441	198	0.01	100	12.7	15136	PASS
442	442	50	100	100.0	94021	PASS
443	442	15	24	19.5	18358	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

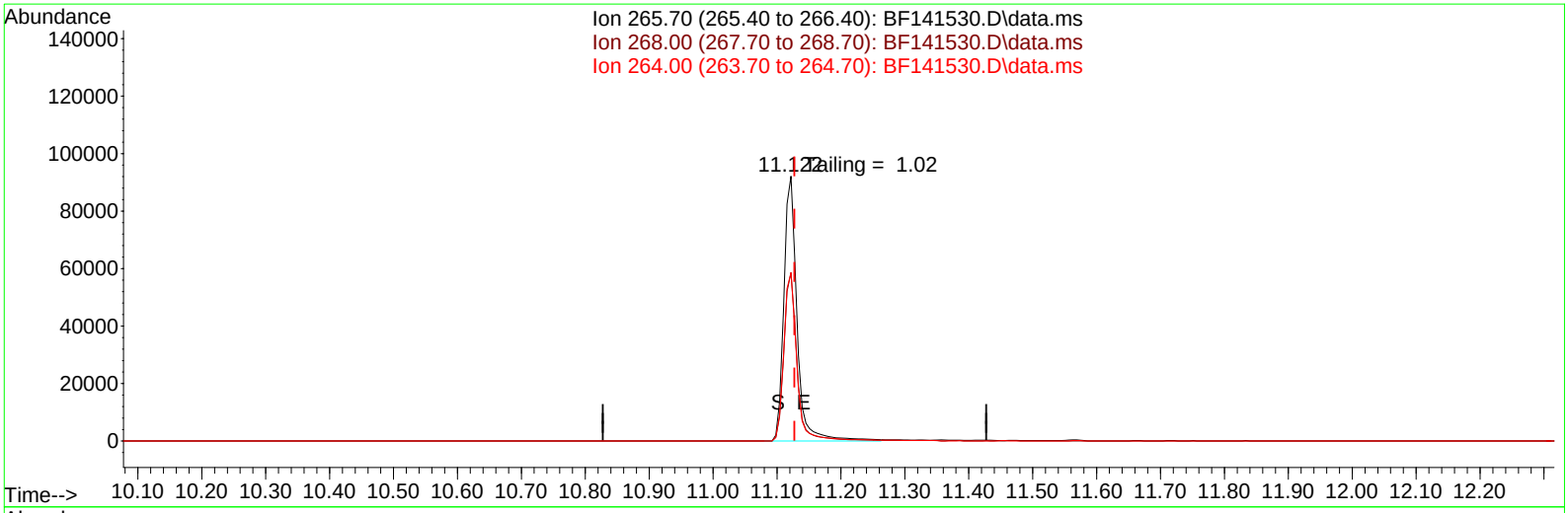
Date	Instrument Name	DFTPP Data File
2/10/2025	BNA_F	BF141530.D
Compound Name	**Response**	**Retention Time**
DDT	386356	13.474
DDD	7404	13.204
DDE	837	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8241	394597	2.09

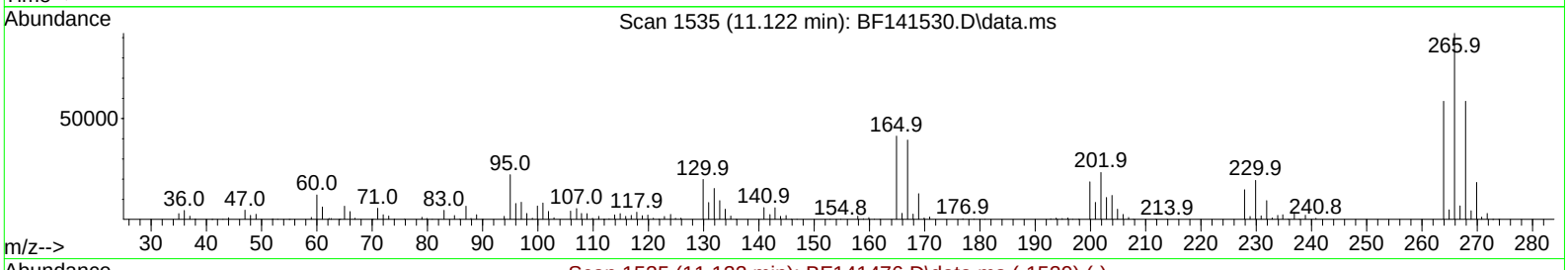
Sample Results: **BF141530.D**

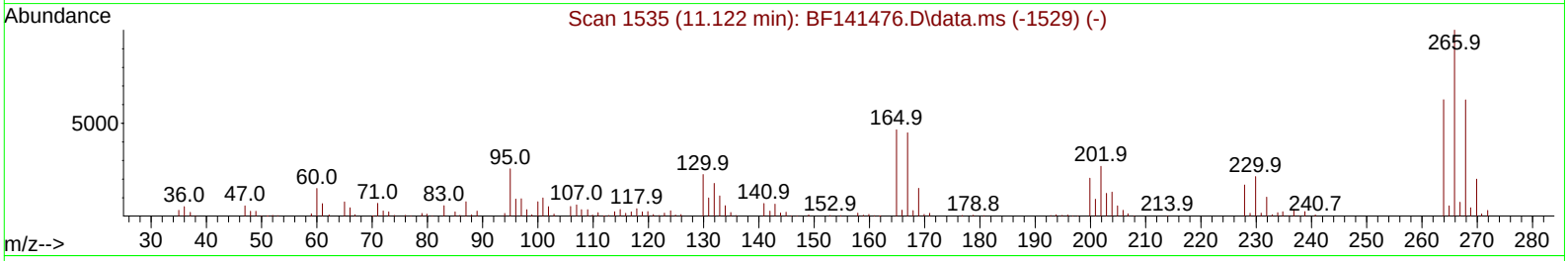
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 10 12:29:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration







TIC: BF141530.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.006) 15920.77 ng

response 133560

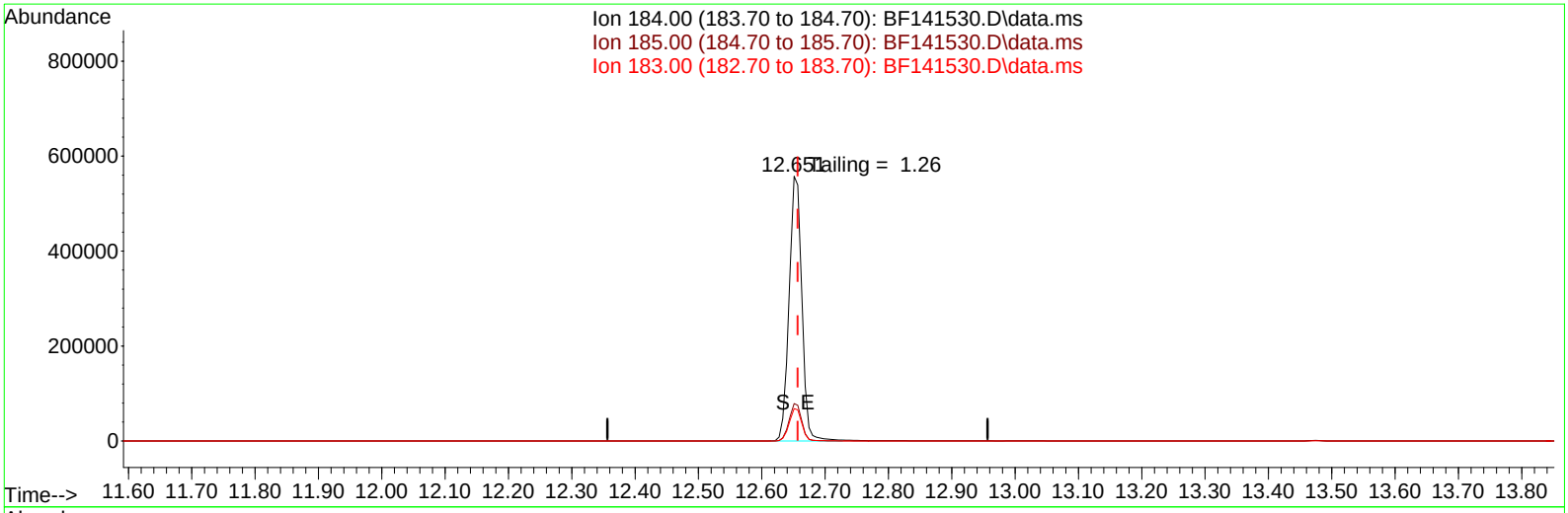
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	63.58
264.00	62.60	63.58
0.00	0.00	0.00

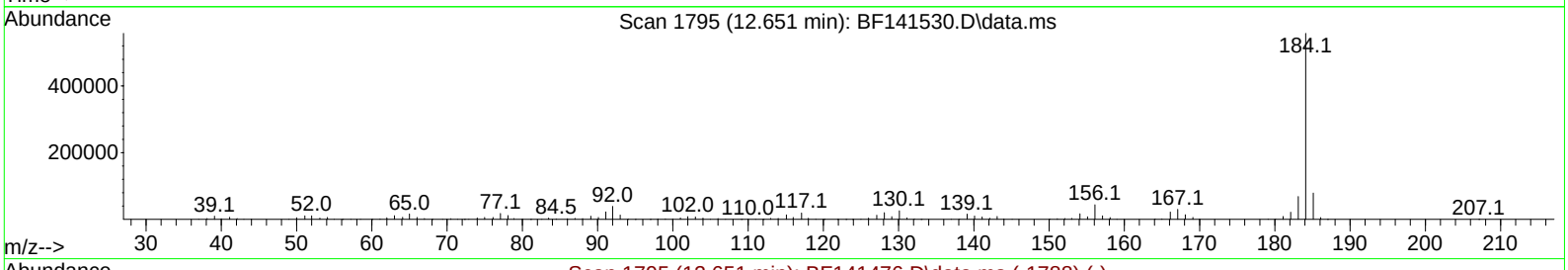
Sample Results: **BF141530.D**

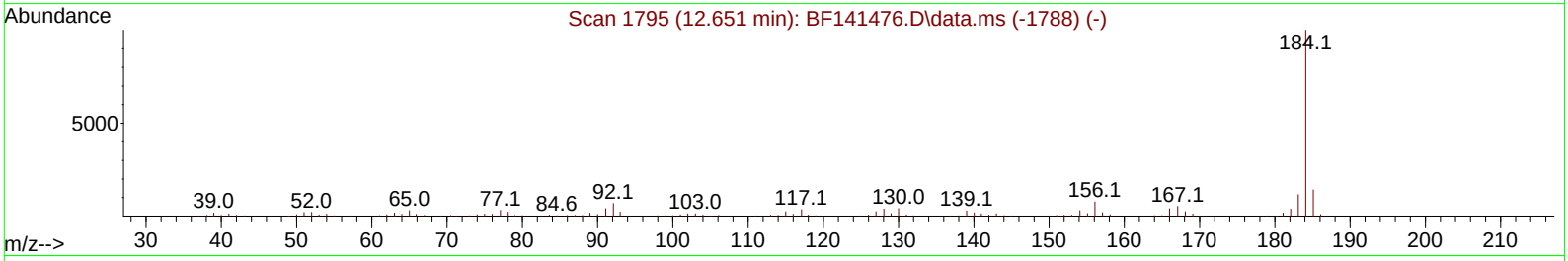
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141530.D
Acq On : 10 Feb 2025 11:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 10 12:29:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration







TIC: BF141530.D\data.ms

(77) Benzidine

12.651min (-0.006) 32112.35 ng

response 784704

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.14
183.00	11.60	12.25
0.00	0.00	0.00

Raw Data: **BF141440.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BL	SDG No.:	Q1241
Lab Sample ID:	PB166418BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141440.D	1	01/31/25 10:20	02/05/25 12:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	U	180	330	ug/Kg
108-95-2	Phenol	170	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	170	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	170	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	90.8	170	ug/Kg
98-86-2	Acetophenone	170	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	170	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	170	U	90.7	170	ug/Kg
78-59-1	Isophorone	170	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	170	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	75.4	170	ug/Kg
91-20-3	Naphthalene	170	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	170	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	83.2	170	ug/Kg
105-60-2	Caprolactam	330	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	170	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	170	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	170	U	81.6	170	ug/Kg

Raw Data: **BF141440.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BL	SDG No.:	Q1241
Lab Sample ID:	PB166418BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141440.D	1	01/31/25 10:20	02/05/25 12:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	170	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	170	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	330	U	120	330	ug/Kg
132-64-9	Dibenzofuran	170	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	170	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	85.5	170	ug/Kg
86-73-7	Fluorene	170	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	170	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	170	U	84.9	170	ug/Kg
1912-24-9	Atrazine	170	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	330	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	170	U	83.9	170	ug/Kg
120-12-7	Anthracene	170	U	84.3	170	ug/Kg
86-74-8	Carbazole	170	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	170	U	81.6	170	ug/Kg
129-00-0	Pyrene	170	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	80.6	170	ug/Kg
218-01-9	Chrysene	170	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	81.0	170	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BL	SDG No.:	Q1241
Lab Sample ID:	PB166418BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141440.D	1	01/31/25 10:20	02/05/25 12:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	170	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		18 - 112	89%	SPK: 150
13127-88-3	Phenol-d6	129		15 - 107	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.1		18 - 107	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		20 - 109	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		10 - 116	98%	SPK: 150
1718-51-0	Terphenyl-d14	94.3		10 - 105	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	76500	6.786			
1146-65-2	Naphthalene-d8	302000	8.069			
15067-26-2	Acenaphthene-d10	163000	9.827			
1517-22-2	Phenanthrene-d10	281000	11.316			
1719-03-5	Chrysene-d12	198000	13.957			
1520-96-3	Perylene-d12	160000	15.433			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	120	J		2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	71.0	A		5.02	ug/Kg

Raw Data: **BF141440.D**

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BL	SDG No.:	Q1241
Lab Sample ID:	PB166418BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141440.D	1	01/31/25 10:20	02/05/25 12:13	PB166418

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Quant Time: Feb 05 12:36:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

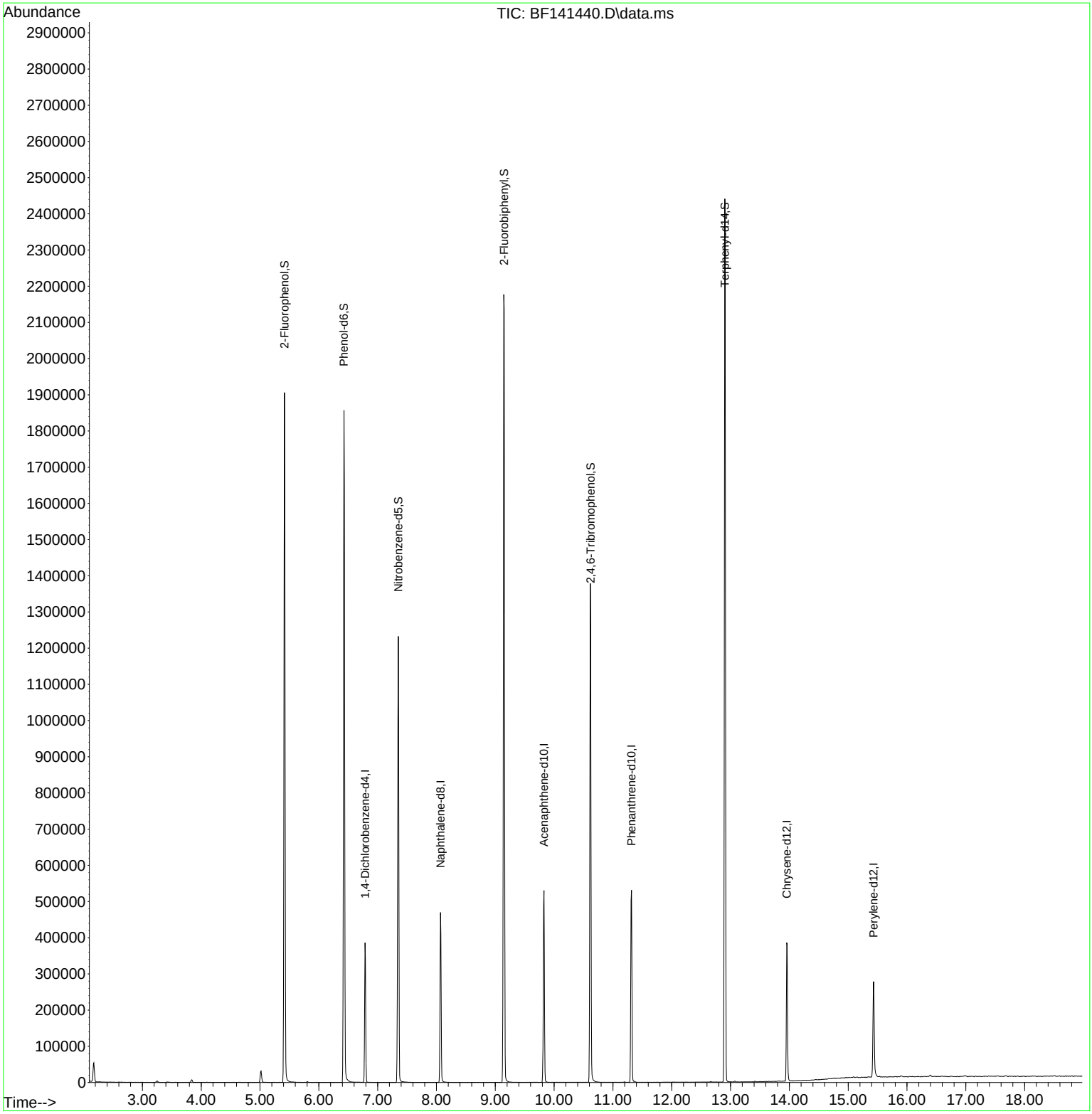
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	76450	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	302478	20.000	ng	-0.02
39) Acenaphthene-d10	9.827	164	163001	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	280778	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	198135	20.000	ng	#-0.02
86) Perylene-d12	15.433	264	160441	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	666000	133.740	ng	0.00
7) Phenol-d6	6.428	99	816442	128.879	ng	-0.01
23) Nitrobenzene-d5	7.351	82	551203	96.065	ng	-0.02
42) 2,4,6-Tribromophenol	10.621	330	220153	147.324	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1022355	96.539	ng	-0.01
79) Terphenyl-d14	12.904	244	1211621	94.307	ng	-0.01
Target Compounds						Qvalue

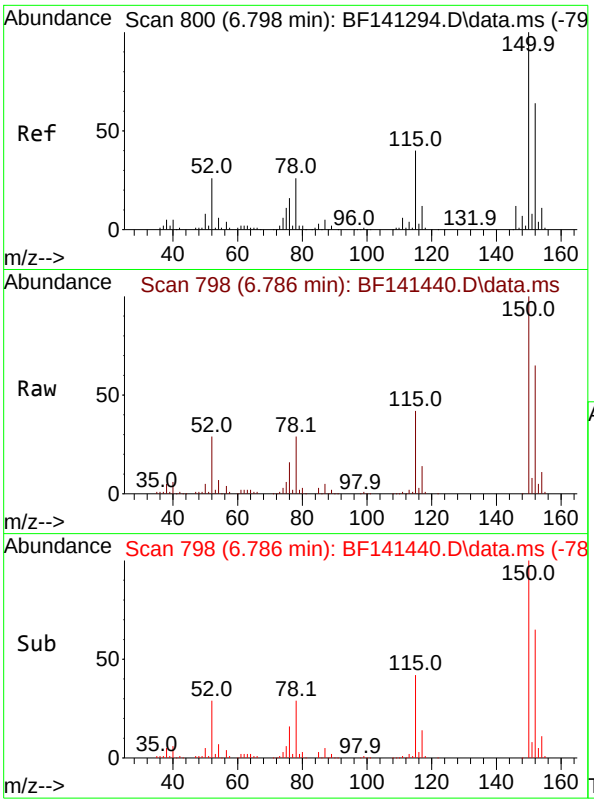
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Quant Time: Feb 05 12:36:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



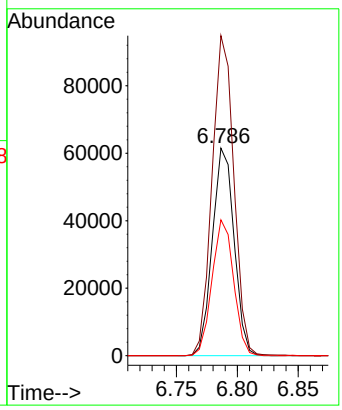


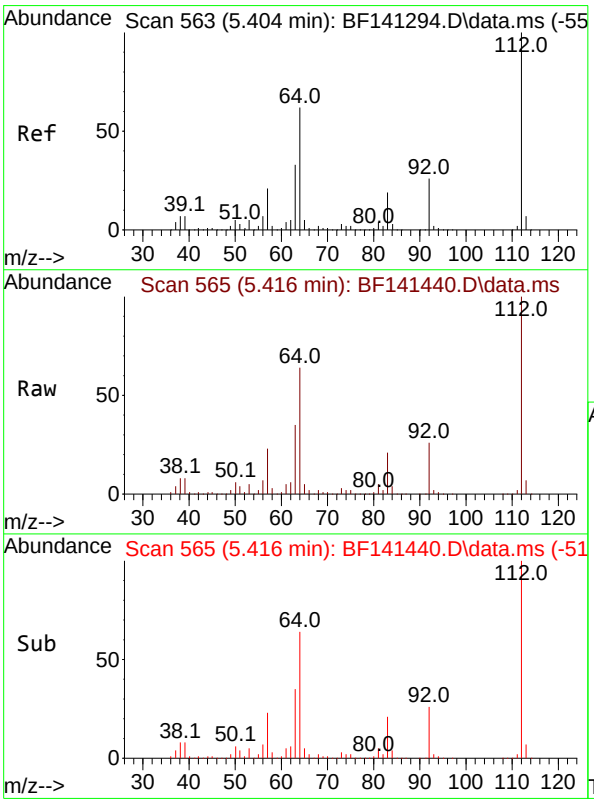
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Tgt Ion:152 Resp: 76450

Ion	Ratio	Lower	Upper
152	100		
150	154.3	125.9	188.9
115	65.5	49.7	74.5

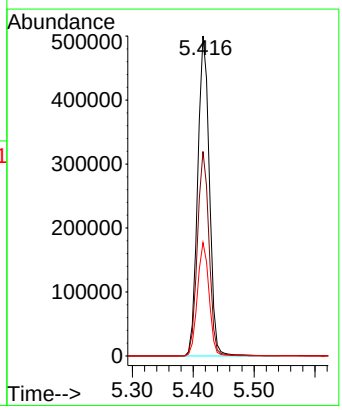


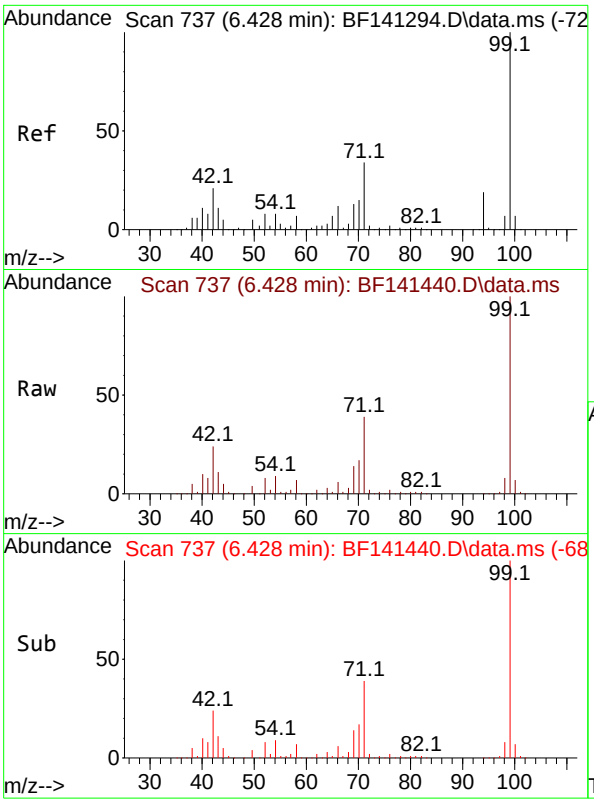


#5
2-Fluorophenol
Concen: 133.740 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Tgt Ion:112 Resp: 666000

Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.8	74.8
63	35.5	26.1	39.1



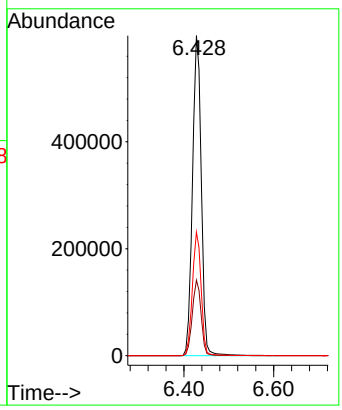


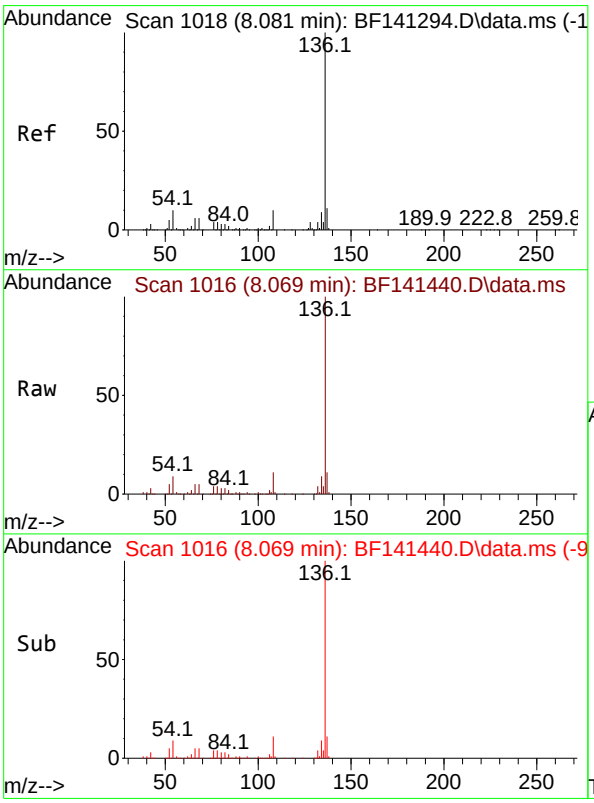
#7
Phenol-d6
Concen: 128.879 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Tgt Ion: 99 Resp: 816442

Ion	Ratio	Lower	Upper
99	100		
42	23.6	17.1	25.7
71	38.7	26.9	40.3

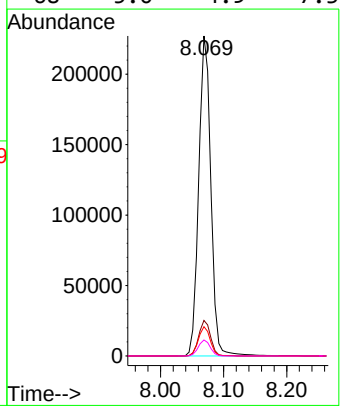


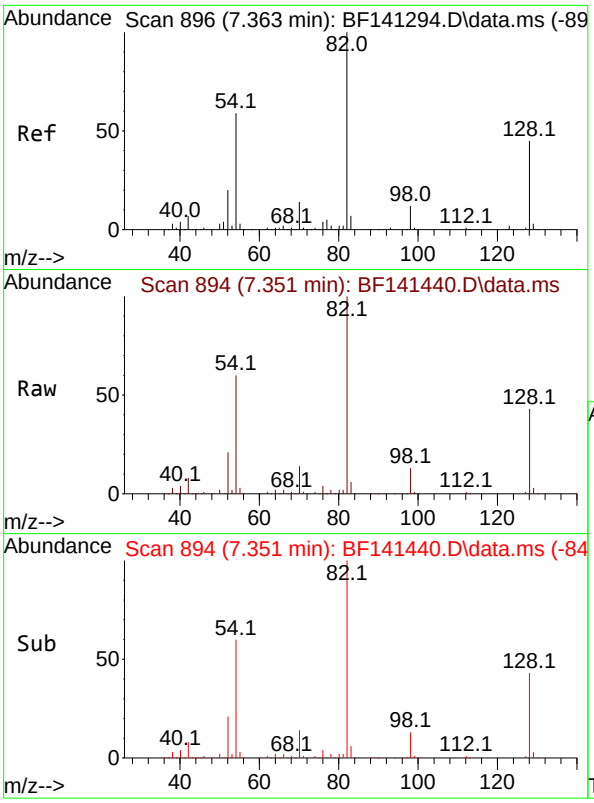


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Tgt Ion:136 Resp: 302478

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.2	7.8	11.8
68	5.0	4.9	7.3



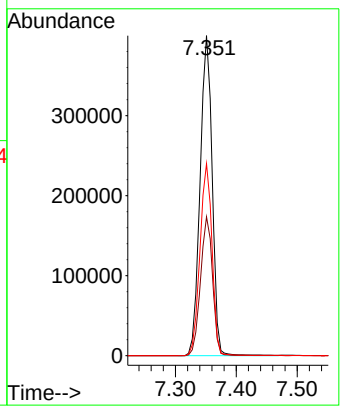


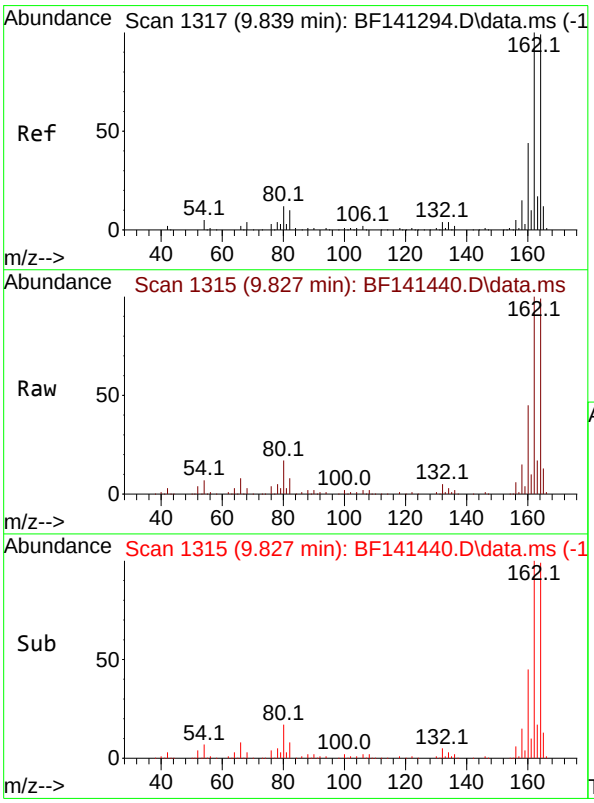
#23
Nitrobenzene-d5
Concen: 96.065 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Tgt Ion: 82 Resp: 551203

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.7	53.5
54	60.0	47.1	70.7

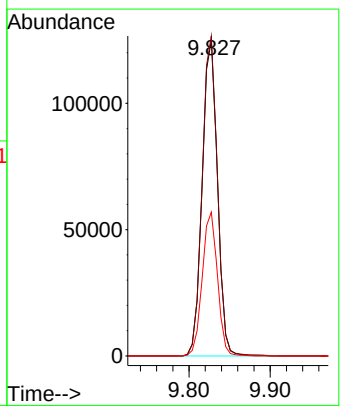


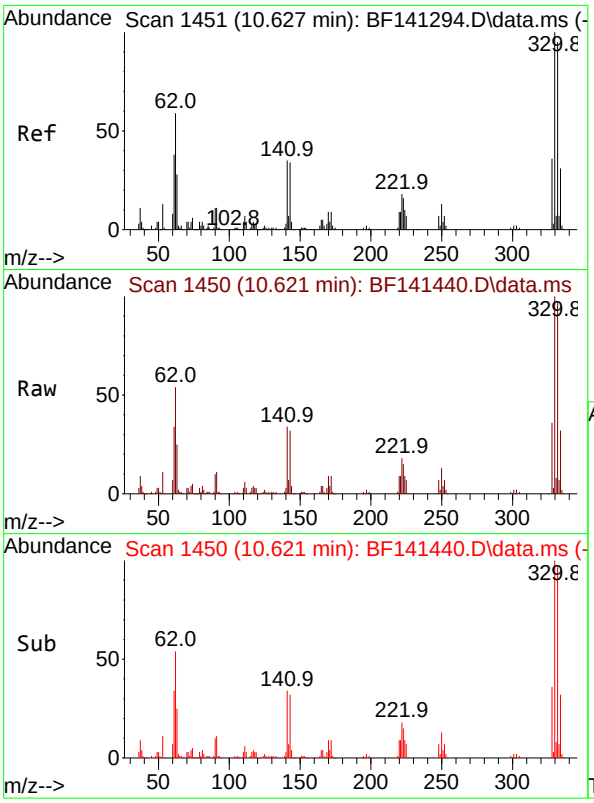


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Tgt Ion:164 Resp: 163001

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	121.0
160	45.5	35.8	53.6



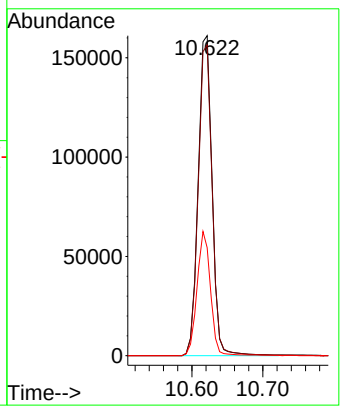


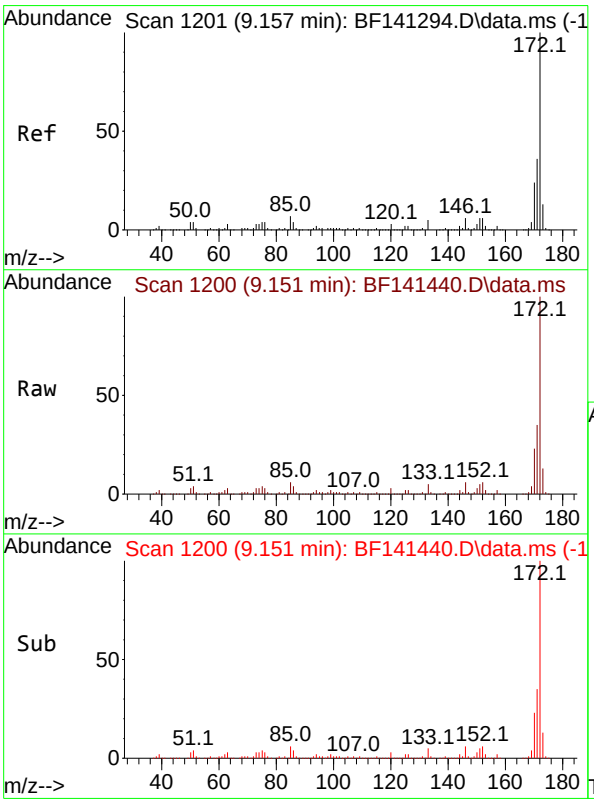
#42
2,4,6-Tribromophenol
Concen: 147.324 ng
RT: 10.621 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Tgt Ion:330 Resp: 220153

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.1	114.1
141	37.6	28.8	43.2

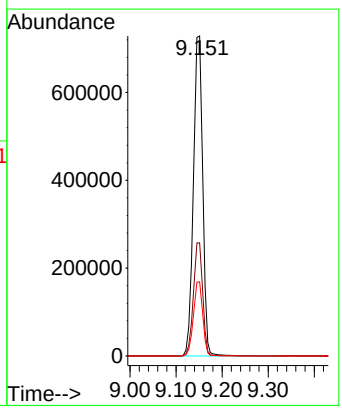


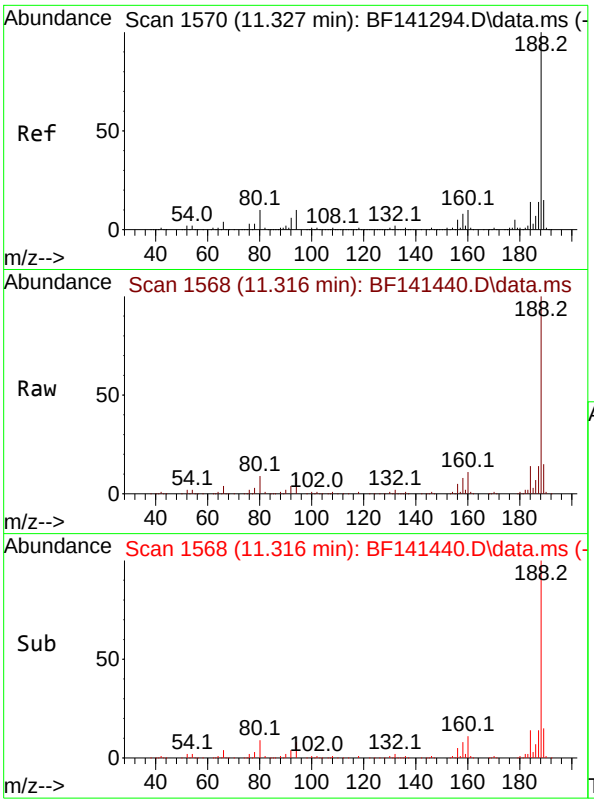


#45
2-Fluorobiphenyl
Concen: 96.539 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Tgt Ion:172 Resp: 1022355

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.1	19.0	28.6



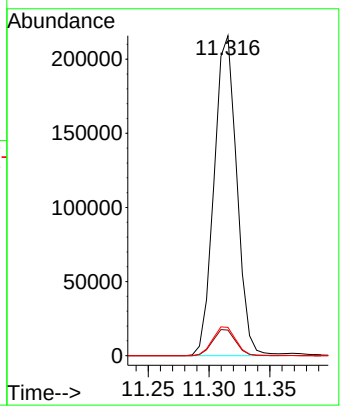


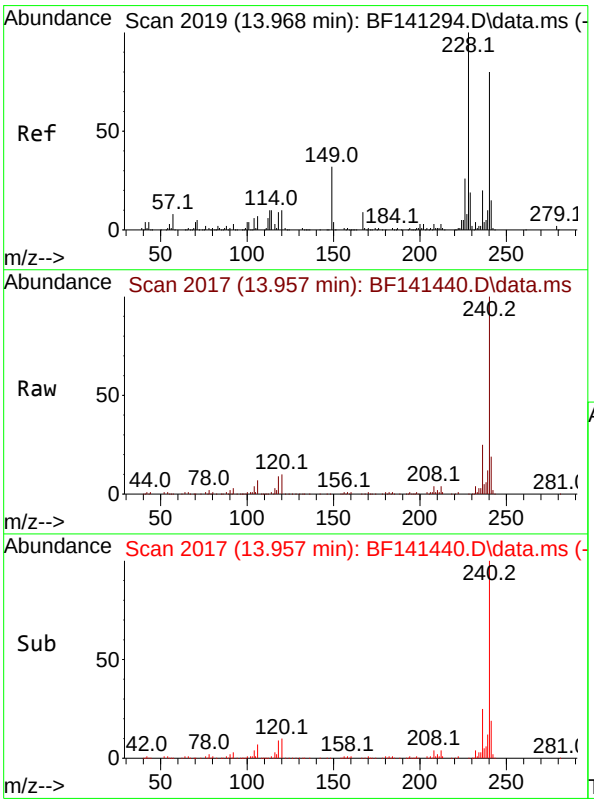
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Tgt Ion:188 Resp: 280778

Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.8	11.6
80	8.9	8.2	12.4

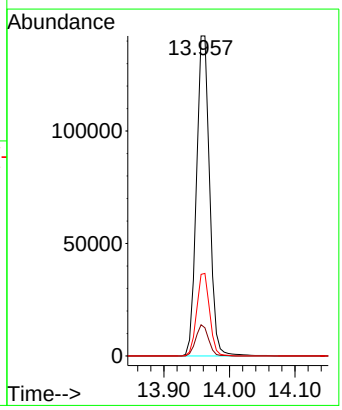


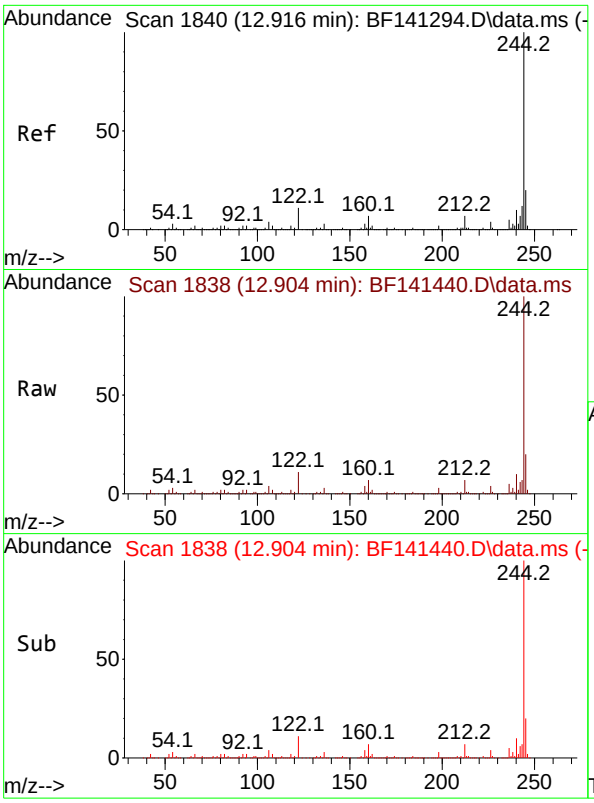


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Tgt Ion:240 Resp: 198135

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.0	15.0#
236	25.5	19.7	29.5



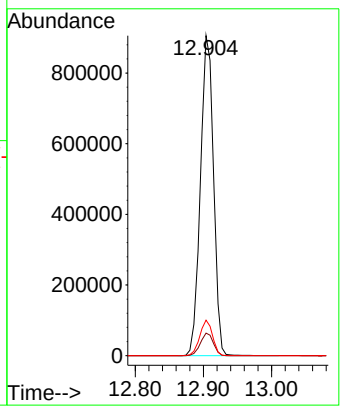


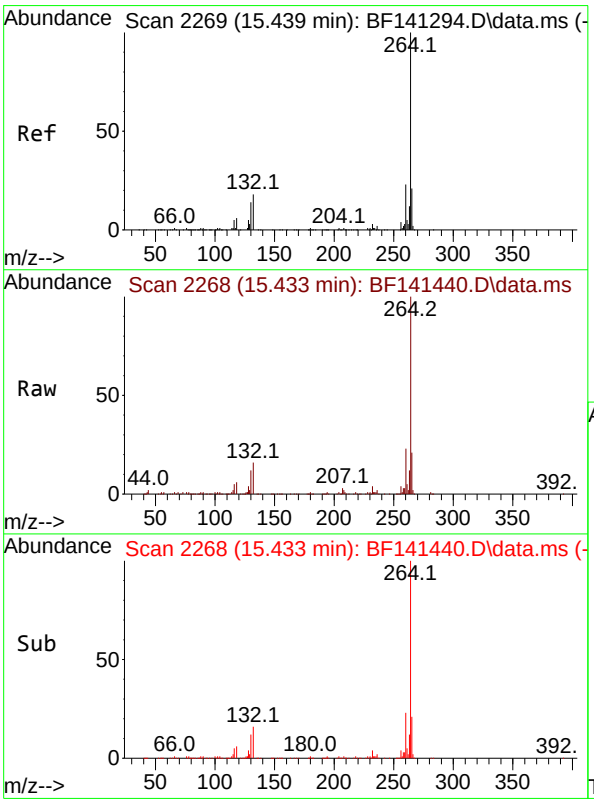
#79
Terphenyl-d14
Concen: 94.307 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Tgt Ion:244 Resp: 1211621

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.1	8.8	13.2

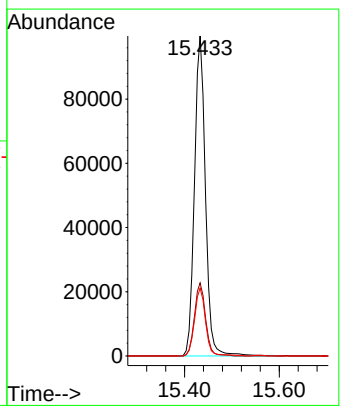




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Tgt Ion:264 Resp: 160441

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	27.8
265	21.2	16.7	25.1



Sample Results: **BF141440.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141440.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.175	7	14	24	rVB	53016	87353	2.71%	0.476%
2	5.016	490	497	506	rBV	31034	50336	1.56%	0.274%
3	5.416	559	565	583	rBV	1906037	2521828	78.28%	13.728%
4	6.428	731	737	758	rBV	1857172	2536085	78.72%	13.805%
5	6.786	793	798	805	rBV	385330	473439	14.70%	2.577%
6	7.351	887	894	899	rBV	1232306	1683724	52.26%	9.165%
7	8.069	1011	1016	1028	rBV	469266	613349	19.04%	3.339%
8	9.145	1193	1199	1217	rBV	2177009	3015931	93.62%	16.417%
9	9.827	1309	1315	1328	rVB	530103	688860	21.38%	3.750%
10	10.616	1443	1449	1468	rBV	1378496	1843604	57.23%	10.036%
11	11.316	1562	1568	1575	rBV	530508	688986	21.39%	3.750%
12	12.904	1832	1838	1843	rBV	2439901	3221619	100.00%	17.537%
13	13.957	2012	2017	2026	rBV	382832	521340	16.18%	2.838%
14	15.433	2262	2268	2281	rBV	263717	424100	13.16%	2.309%

Sum of corrected areas: 18370554

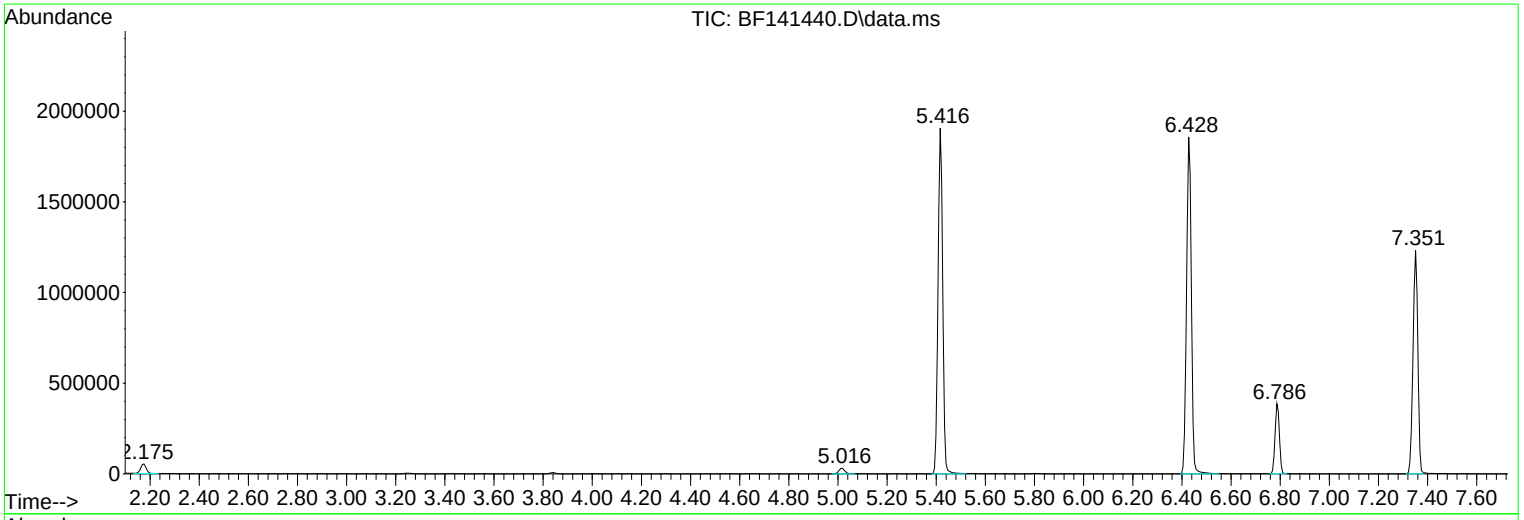
Sample Results: **BF141440.D**

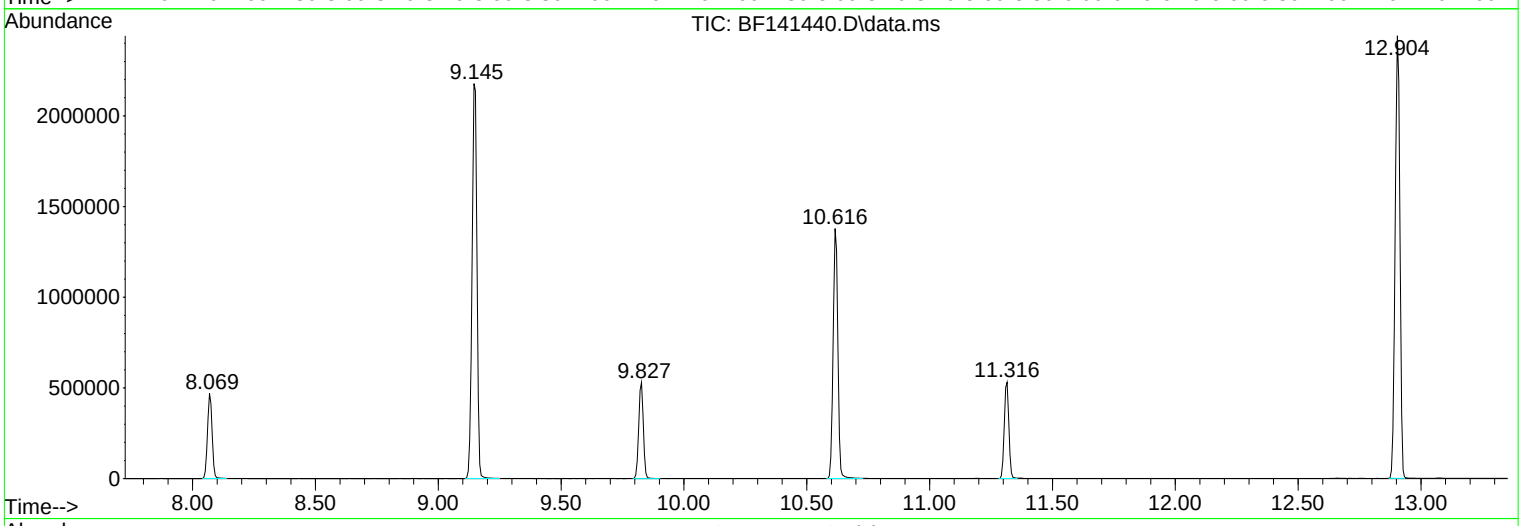
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

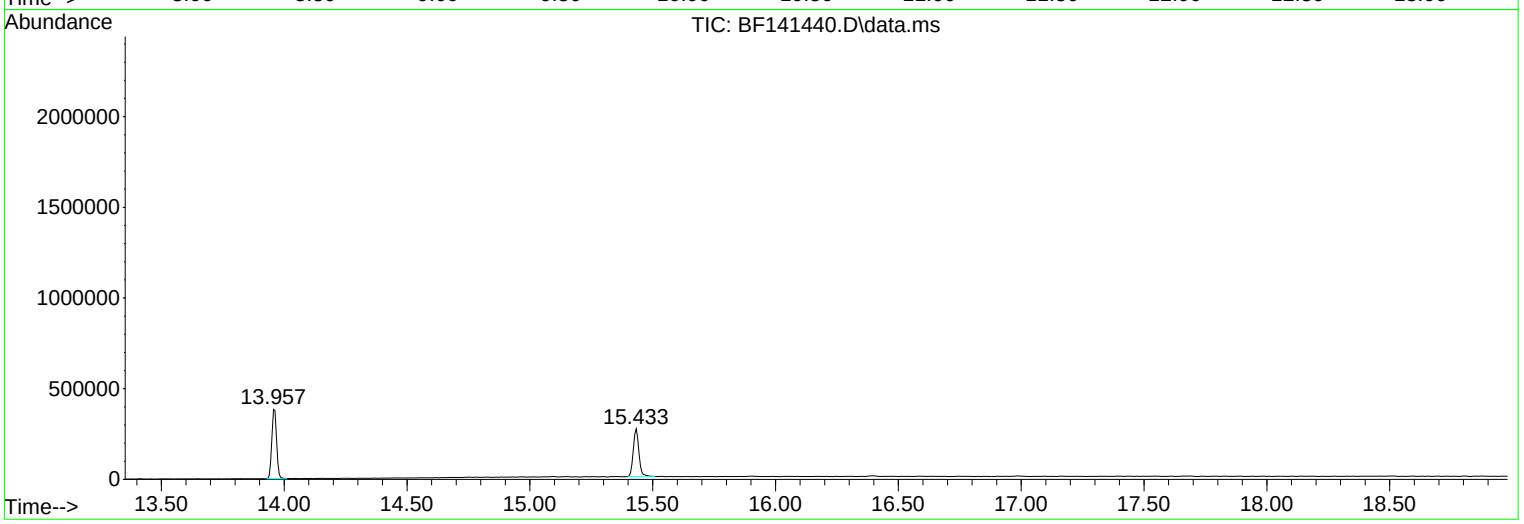
Instrument :
BNA_F
ClientSampleId :
PB166418BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

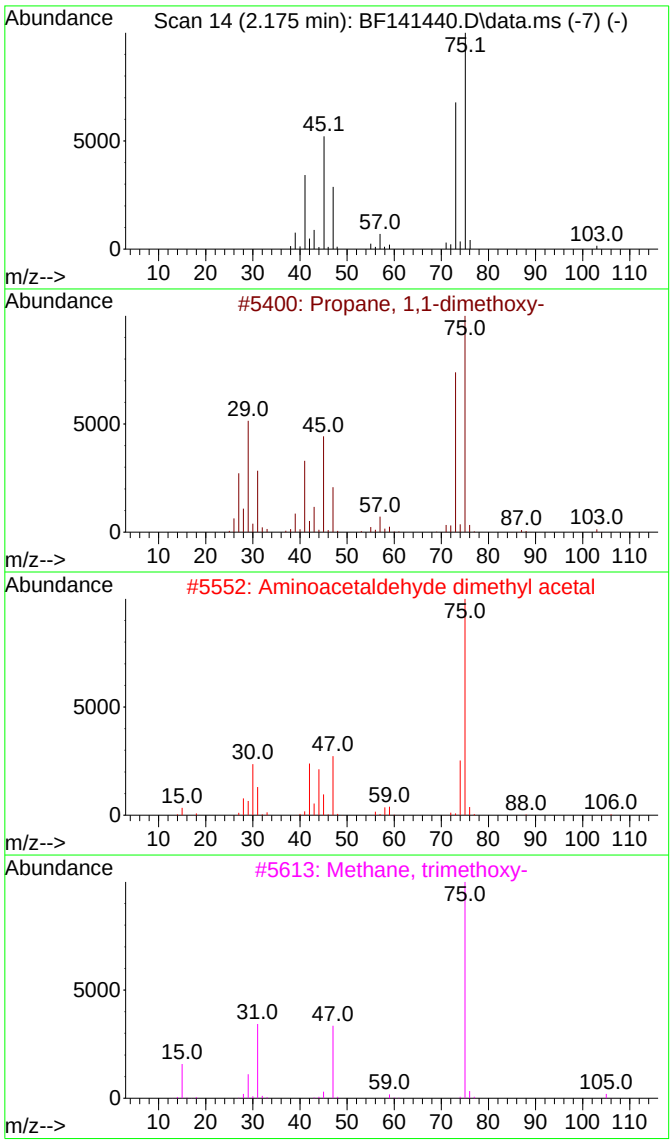
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

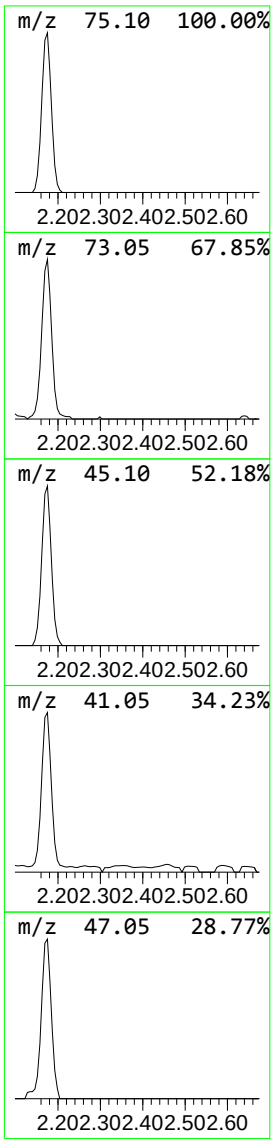
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.175	3.69 ng	87353	1,4-Dichlorobenzene-d4	6.786

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
3	Methane, trimethoxy-	106	C4H10O3	000149-73-5	33
4	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	33
5	2,5-Diethoxy-3-methyl-3-vinylhexane	214	C13H26O2	1000432-70-8	22





Sample Results: **BF141440.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

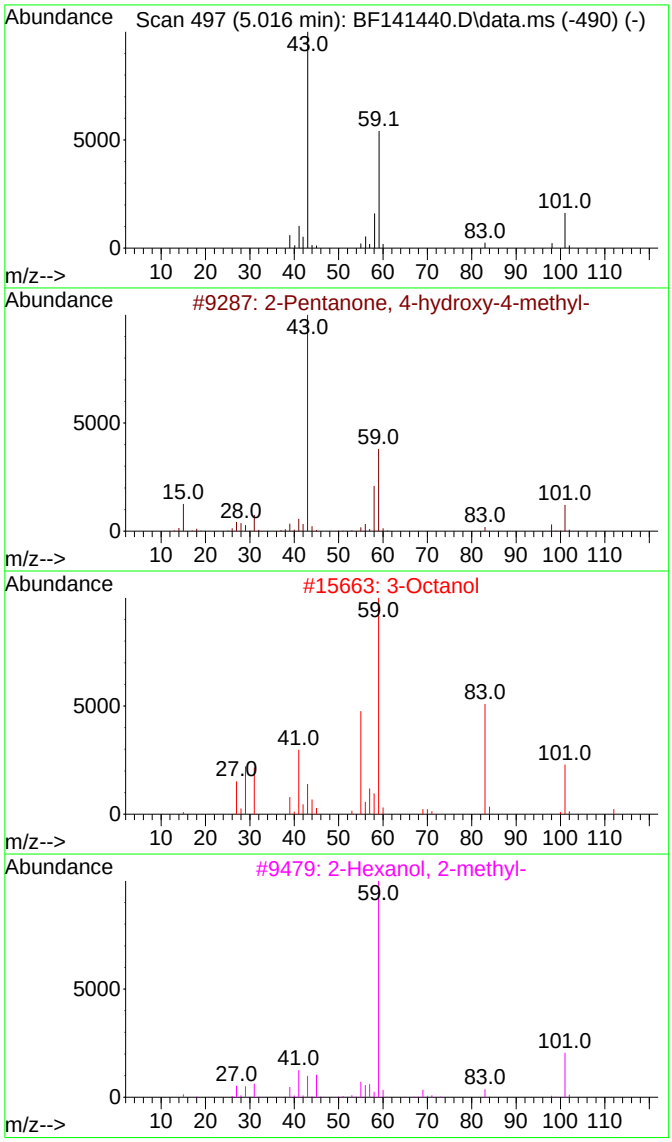
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

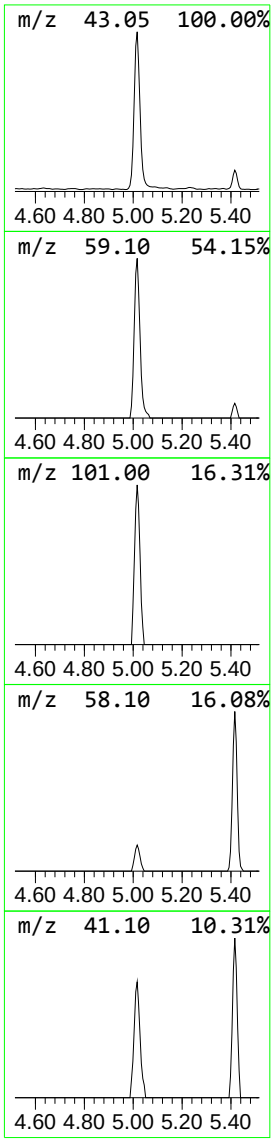
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.016	2.13 ng	50336	1,4-Dichlorobenzene-d4	6.786

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Octanol	130	C8H18O	000589-98-0	36
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Sample Results: **BF141440.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.175	3.7	ng	87353	1	6.786	473439	20.0
2-Pentanone, 4-...	5.016	2.1	ng	50336	1	6.786	473439	20.0

Raw Data: **BF141441.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BS	SDG No.:	Q1241
Lab Sample ID:	PB166418BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141441.D	1	01/31/25 10:20	02/05/25 12:39	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1700		180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	170	ug/Kg
98-86-2	Acetophenone	1700		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1500		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	170	ug/Kg
91-20-3	Naphthalene	1400		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	580		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.3	170	ug/Kg
105-60-2	Caprolactam	1600		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6300	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1500		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	170	ug/Kg

Raw Data: **BF141441.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BS	SDG No.:	Q1241
Lab Sample ID:	PB166418BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141441.D	1	01/31/25 10:20	02/05/25 12:39	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	750		89.2	170	ug/Kg
83-32-9	Acenaphthene	1700		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	170	ug/Kg
86-73-7	Fluorene	1500		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85.0	170	ug/Kg
1912-24-9	Atrazine	1700		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1500		84.0	170	ug/Kg
120-12-7	Anthracene	1600		84.4	170	ug/Kg
86-74-8	Carbazole	1600		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	170	ug/Kg
129-00-0	Pyrene	1400		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	710		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	170	ug/Kg
218-01-9	Chrysene	1400		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.1	170	ug/Kg

Raw Data: **BF141441.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BS	SDG No.:	Q1241
Lab Sample ID:	PB166418BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141441.D	1	01/31/25 10:20	02/05/25 12:39	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	139		18 - 112	92%	SPK: 150
13127-88-3	Phenol-d6	133		15 - 107	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.1		18 - 107	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.9		20 - 109	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		10 - 116	106%	SPK: 150
1718-51-0	Terphenyl-d14	96.1		10 - 105	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69400	6.793			
1146-65-2	Naphthalene-d8	275000	8.075			
15067-26-2	Acenaphthene-d10	149000	9.828			
1517-22-2	Phenanthrene-d10	260000	11.316			
1719-03-5	Chrysene-d12	178000	13.963			
1520-96-3	Perylene-d12	152000	15.427			

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

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

Sample Results: **BF141441.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141441.D
Acq On : 05 Feb 2025 12:39
Operator : RC/JU
Sample : PB166418BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 05 13:13:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.793	152	69377	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	275008	20.000	ng		#-0.01
39) Acenaphthene-d10	9.828	164	148846	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	260150	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	177509	20.000	ng		#-0.01
86) Perylene-d12	15.427	264	152303	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	626082	138.542	ng		0.00
7) Phenol-d6	6.434	99	763826	132.866	ng		0.00
23) Nitrobenzene-d5	7.357	82	506405	97.073	ng		-0.01
42) 2,4,6-Tribromophenol	10.622	330	217749	159.573	ng		-0.01
45) 2-Fluorobiphenyl	9.151	172	956699	98.931	ng		-0.01
79) Terphenyl-d14	12.904	244	1106131	96.100	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.546	88	75599	38.038	ng		97
3) Pyridine	3.275	79	175601	36.671	ng		95
4) n-Nitrosodimethylamine	3.222	42	125180	45.760	ng		85
6) Aniline	6.451	93	195016	40.075	ng	#	20
8) 2-Chlorophenol	6.581	128	214051	44.192	ng		95
9) Benzaldehyde	6.340	77	166845	50.105	ng		99
10) Phenol	6.445	94	250546	41.113	ng	#	63
11) bis(2-Chloroethyl)ether	6.528	93	191119	40.902	ng		98
12) 1,3-Dichlorobenzene	6.728	146	223851	41.915	ng		98
13) 1,4-Dichlorobenzene	6.810	146	227663	42.433	ng		100
14) 1,2-Dichlorobenzene	6.957	146	218639	43.520	ng		99
15) Benzyl Alcohol	6.934	79	187415	47.704	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	326923	40.236	ng		60
17) 2-Methylphenol	7.051	107	163161	41.447	ng	#	92
18) Hexachloroethane	7.304	117	86475	43.691	ng		95
19) n-Nitroso-di-n-propyla...	7.204	70	148391	43.440	ng		99
20) 3+4-Methylphenols	7.204	107	213301	44.129	ng	#	89
22) Acetophenone	7.198	105	326794	49.992	ng	#	99
24) Nitrobenzene	7.375	77	223580	41.357	ng		99
25) Isophorone	7.610	82	392516	43.528	ng		98
26) 2-Nitrophenol	7.692	139	111383	43.686	ng		93
27) 2,4-Dimethylphenol	7.734	122	175282m	54.012	ng		
28) bis(2-Chloroethoxy)met...	7.822	93	232249	40.377	ng		99
29) 2,4-Dichlorophenol	7.939	162	174012	43.800	ng		99
30) 1,2,4-Trichlorobenzene	8.016	180	189899	41.854	ng		100
31) Naphthalene	8.092	128	616346	42.425	ng		100
32) Benzoic acid	7.857	122	132904	44.550	ng		94
33) 4-Chloroaniline	8.145	127	86266	17.511	ng		99
34) Hexachlorobutadiene	8.210	225	121256	45.572	ng		98
35) Caprolactam	8.510	113	60874m	46.916	ng		
36) 4-Chloro-3-methylphenol	8.639	107	192987	45.286	ng		95
37) 2-Methylnaphthalene	8.787	142	385885	41.791	ng		99
38) 1-Methylnaphthalene	8.886	142	374851	41.327	ng		100
40) 1,2,4,5-Tetrachloroben...	8.951	216	208801	49.310	ng		98
41) Hexachlorocyclopentadiene	8.939	237	234691	187.667	ng		100
43) 2,4,6-Trichlorophenol	9.069	196	122828	44.316	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141441.D
Acq On : 05 Feb 2025 12:39
Operator : RC/JU
Sample : PB166418BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 05 13:13:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	130288	43.190	ng	99
46) 1,1'-Biphenyl	9.251	154	560784	48.309	ng	99
47) 2-Chloronaphthalene	9.275	162	376896	41.655	ng	99
48) 2-Nitroaniline	9.375	65	127531	44.811	ng	97
49) Acenaphthylene	9.692	152	589227	46.522	ng	99
50) Dimethylphthalate	9.551	163	444390	44.205	ng	99
51) 2,6-Dinitrotoluene	9.616	165	97978	41.975	ng	96
52) Acenaphthene	9.863	154	451686m	49.920	ng	
53) 3-Nitroaniline	9.781	138	51651	22.577	ng	95
54) 2,4-Dinitrophenol	9.898	184	119325	109.971	ng	93
55) Dibenzofuran	10.033	168	542317	44.777	ng	96
56) 4-Nitrophenol	9.963	139	161953	96.797	ng	89
57) 2,4-Dinitrotoluene	10.022	165	137488	45.494	ng	92
58) Fluorene	10.381	166	426432	45.391	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	116286	48.999	ng	98
60) Diethylphthalate	10.257	149	432760	44.397	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	208783	45.496	ng	97
62) 4-Nitroaniline	10.398	138	98361	43.732	ng	87
63) Azobenzene	10.533	77	421756	43.226	ng	97
65) 4,6-Dinitro-2-methylph...	10.428	198	78817	51.220	ng	93
66) n-Nitrosodiphenylamine	10.492	169	368342	43.776	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	127084	43.635	ng	100
68) Hexachlorobenzene	10.928	284	135690	43.921	ng	98
69) Atrazine	11.022	200	145946	51.878	ng	99
70) Pentachlorophenol	11.128	266	169701	93.804	ng	98
71) Phenanthrene	11.339	178	649036	46.412	ng	100
72) Anthracene	11.392	178	658430	48.054	ng	100
73) Carbazole	11.551	167	573702	47.219	ng	99
74) Di-n-butylphthalate	11.880	149	678626	46.089	ng	99
75) Fluoranthene	12.533	202	677532	49.069	ng	98
77) Benzidine	12.657	184	261130	45.887	ng	98
78) Pyrene	12.763	202	693521	40.702	ng	100
80) Butylbenzylphthalate	13.380	149	266479	44.766	ng	99
81) Benzo(a)anthracene	13.951	228	544821	44.478	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	83051	21.318	ng	97
83) Chrysene	13.992	228	460149	40.990	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	338779	44.864	ng	99
85) Di-n-octyl phthalate	14.574	149	485819	41.422	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	452413	46.023	ng	95
88) Benzo(b)fluoranthene	15.010	252	410915	42.892	ng	98
89) Benzo(k)fluoranthene	15.039	252	405647	47.796	ng	98
90) Benzo(a)pyrene	15.368	252	387351	47.846	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	364983	46.150	ng	96
92) Benzo(g,h,i)perylene	17.315	276	348975	42.437	ng	95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141441.D
Acq On : 05 Feb 2025 12:39
Operator : RC/JU
Sample : PB166418BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 05 13:13:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
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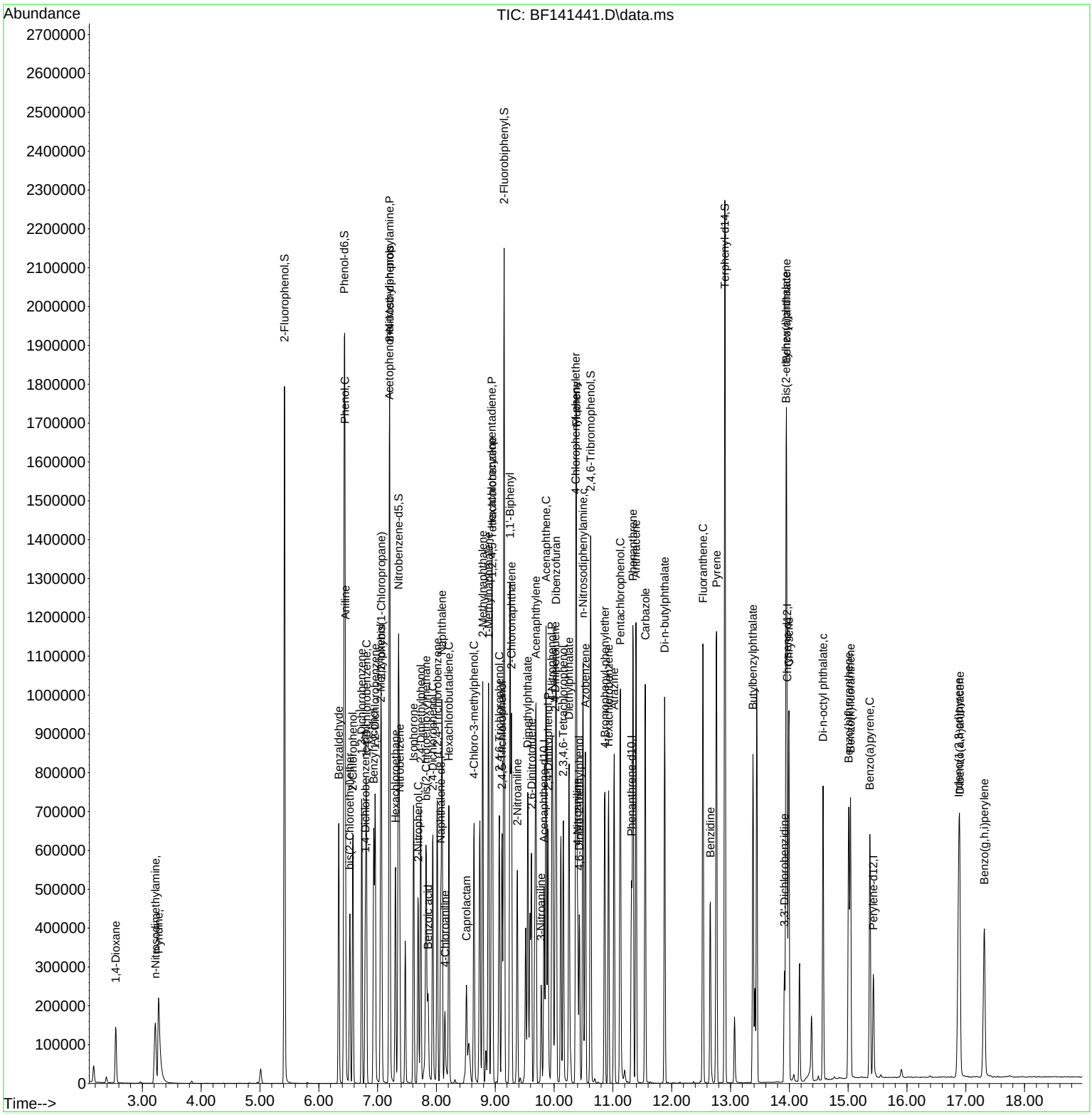
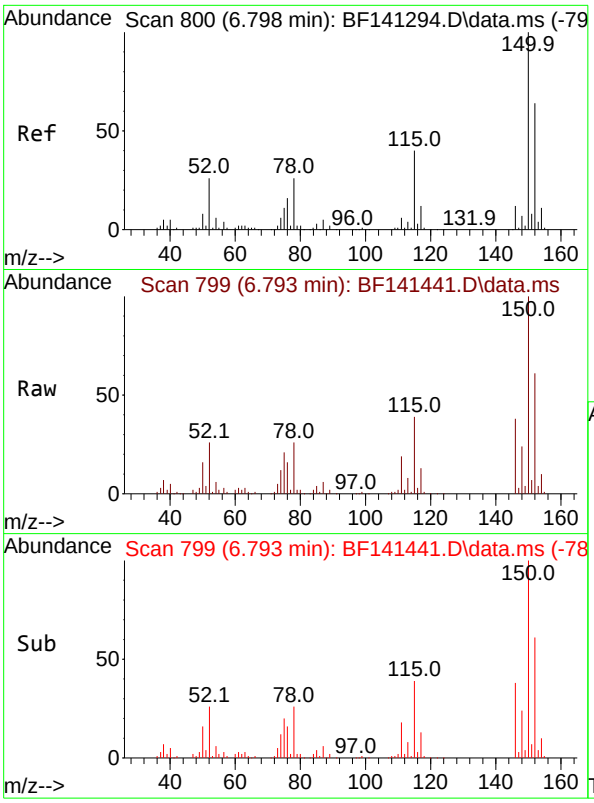
Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

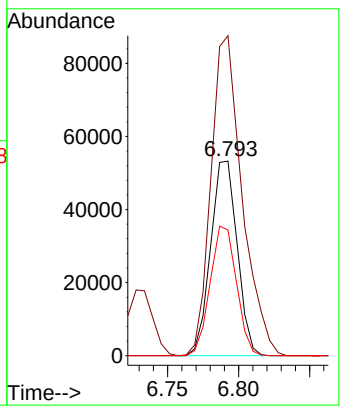




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:152 Resp: 6937

Ion	Ratio	Lower	Upper
152	100		
150	164.4	125.9	188.9
115	64.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
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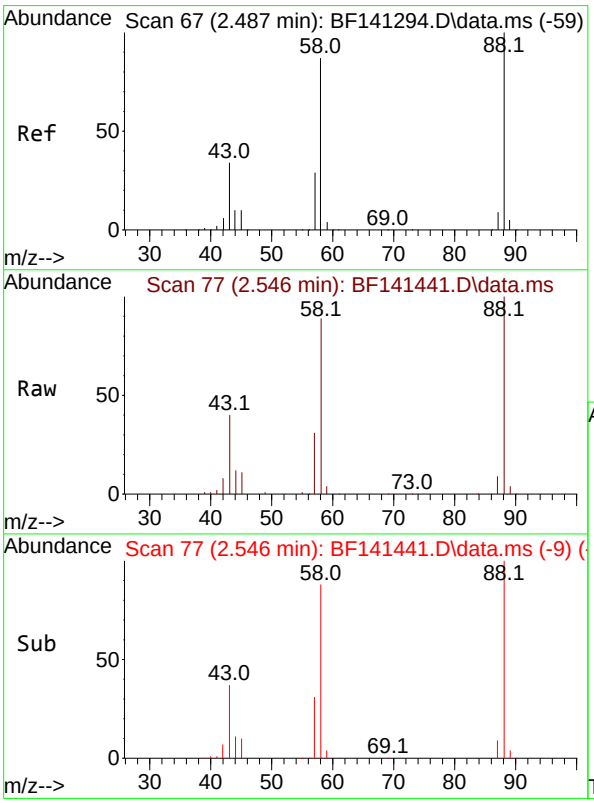
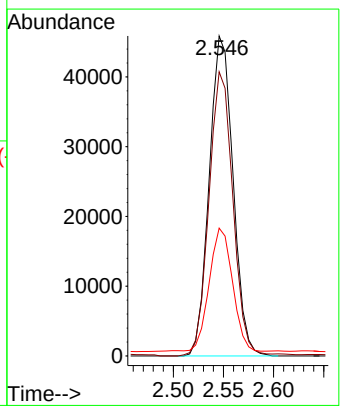
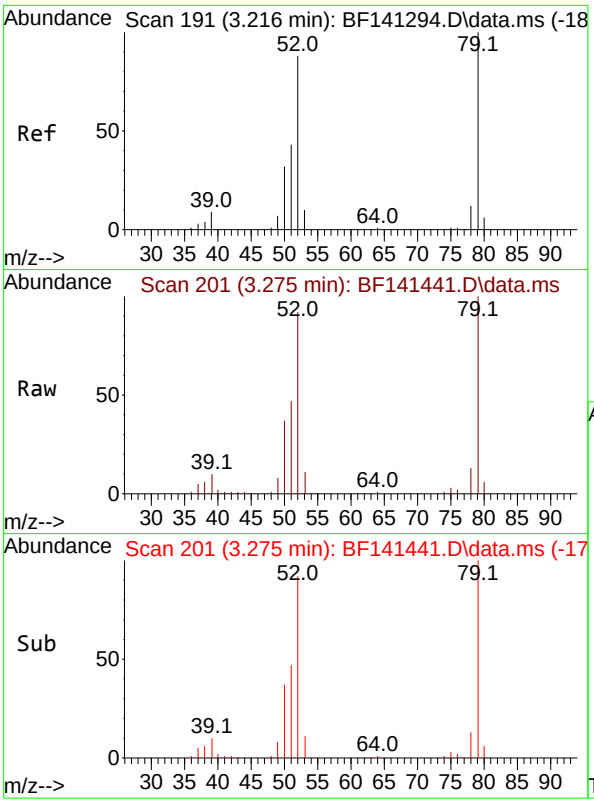


#2
1,4-Dioxane
Concen: 38.038 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.053 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 88 Resp: 75599

Ion	Ratio	Lower	Upper
88	100		
58	89.8	70.2	105.4
43	38.0	27.6	41.4

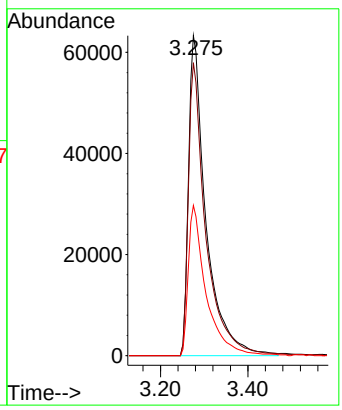




#3
Pyridine
Concen: 36.671 ng
RT: 3.275 min Scan# 2
Delta R.T. 0.047 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 79 Resp: 17560

Ion	Ratio	Lower	Upper
79	100		
52	91.6	70.3	105.5
51	47.0	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
APPROVED

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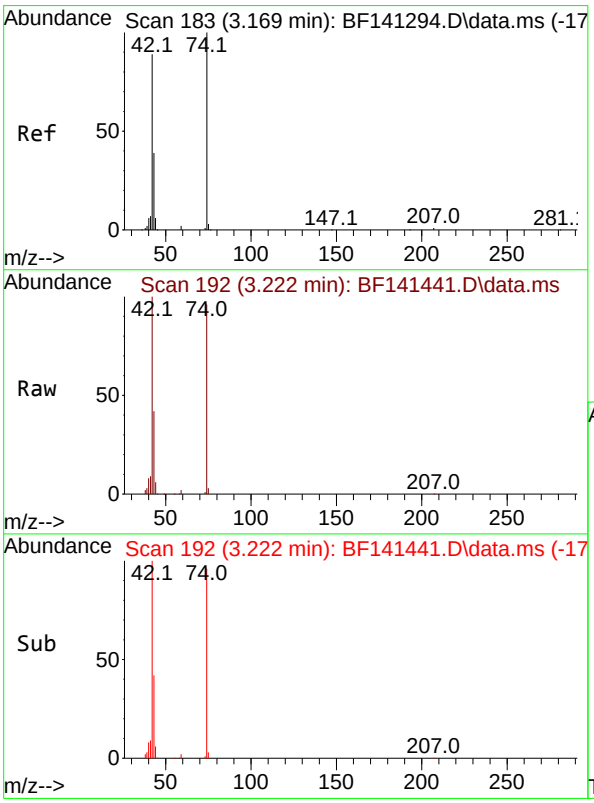
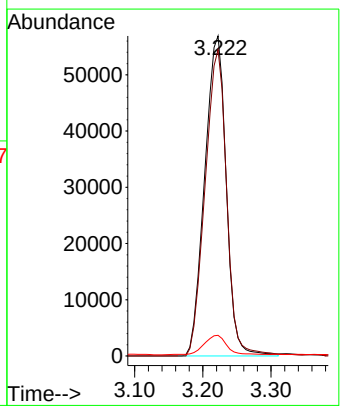
Supervised By :mohammad ahmed 02/06/2025

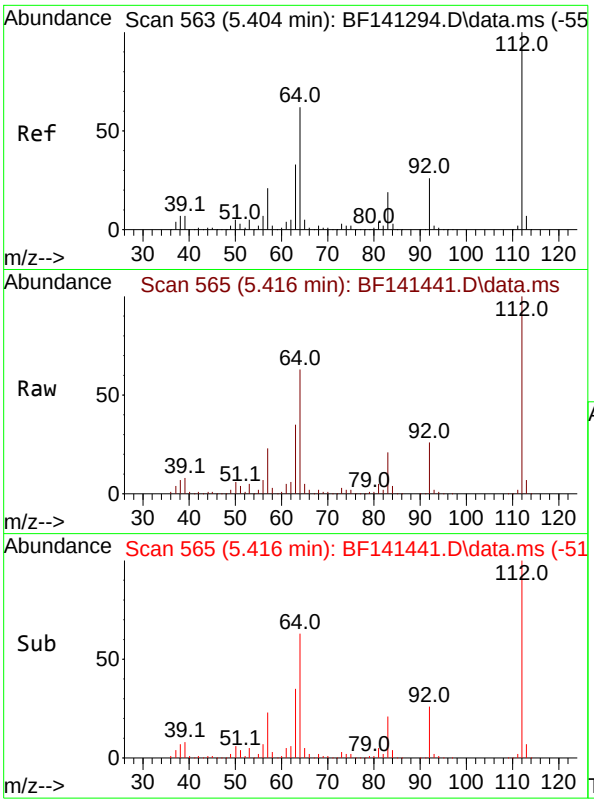


#4
n-Nitrosodimethylamine
Concen: 45.760 ng
RT: 3.222 min Scan# 192
Delta R.T. 0.023 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 42 Resp: 125180

Ion	Ratio	Lower	Upper
42	100		
74	95.7	90.3	135.5
44	6.5	5.7	8.5





#5
2-Fluorophenol
Concen: 138.542 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:112 Resp: 62608

Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.8	74.8
63	35.2	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
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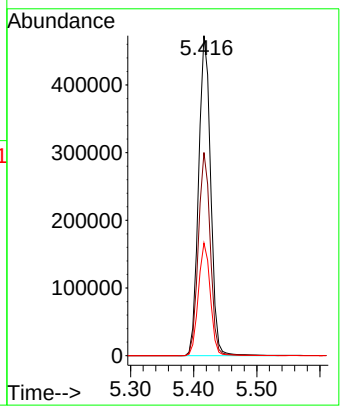
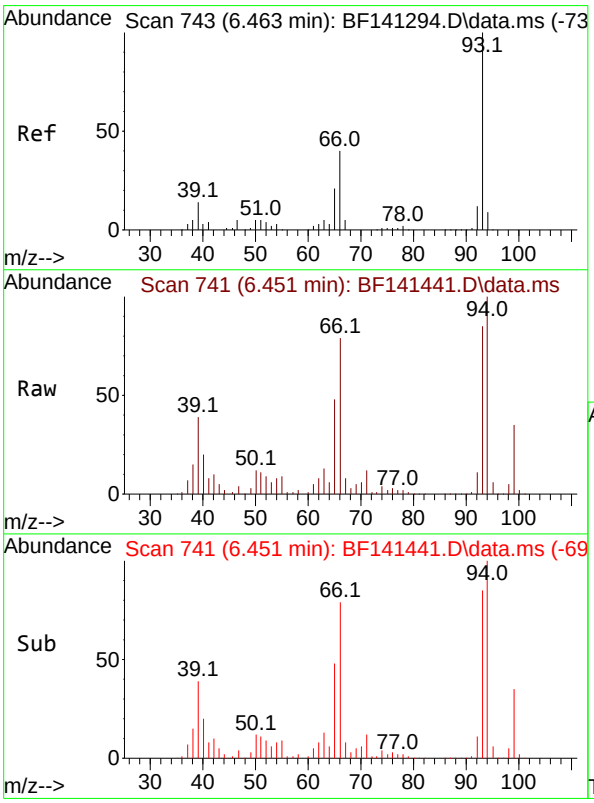
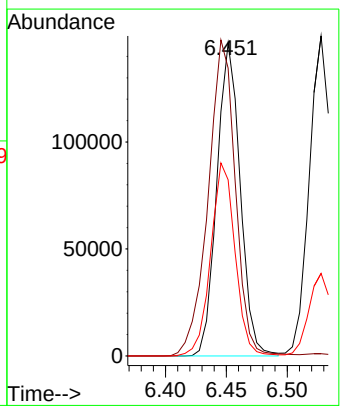


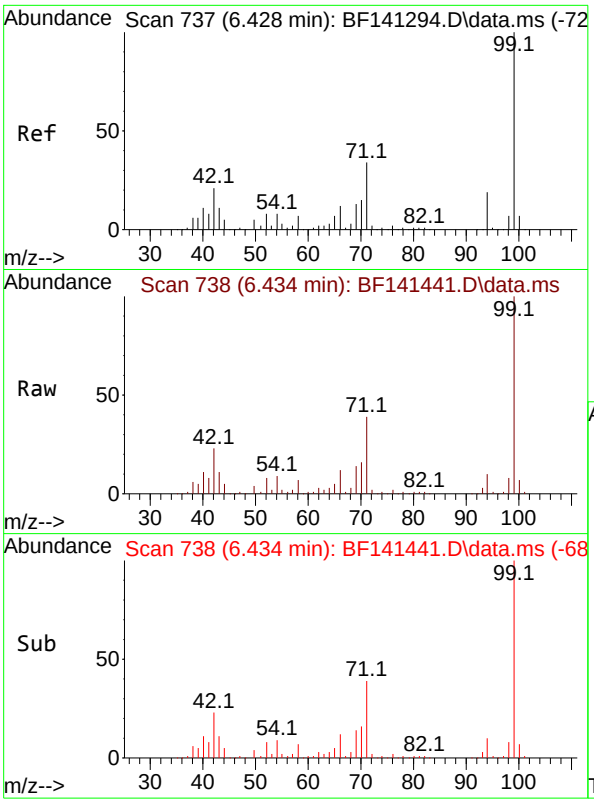


#6
Aniline
Concen: 40.075 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 93 Resp: 195016

Ion	Ratio	Lower	Upper
93	100		
66	92.0	32.5	48.7#
65	56.3	17.0	25.6#

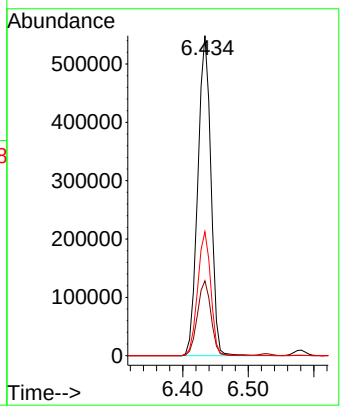




#7
Phenol-d6
Concen: 132.866 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 99 Resp: 76382

Ion	Ratio	Lower	Upper
99	100		
42	23.4	17.1	25.7
71	38.8	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
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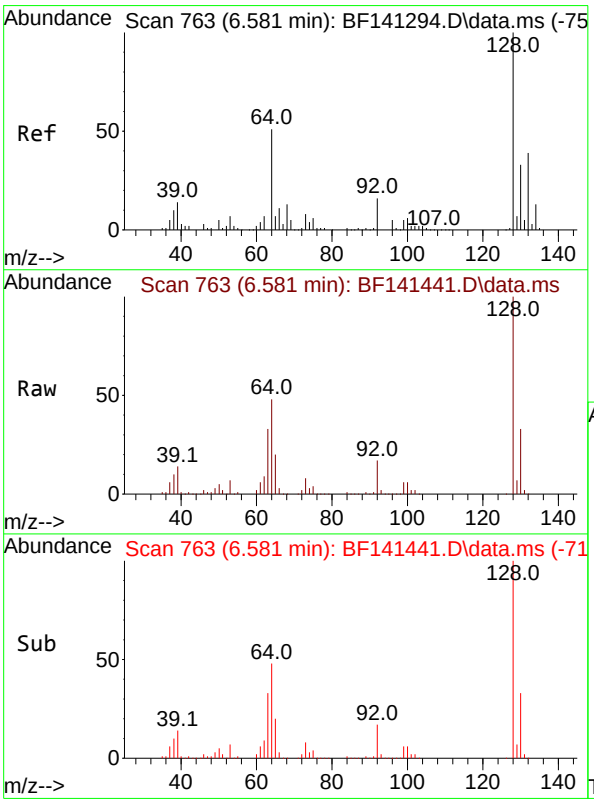
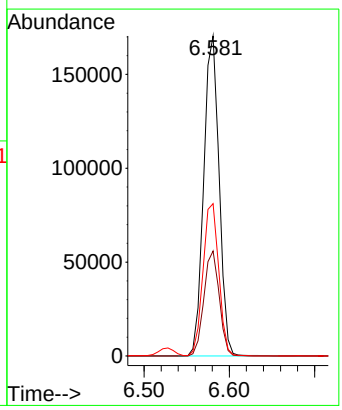
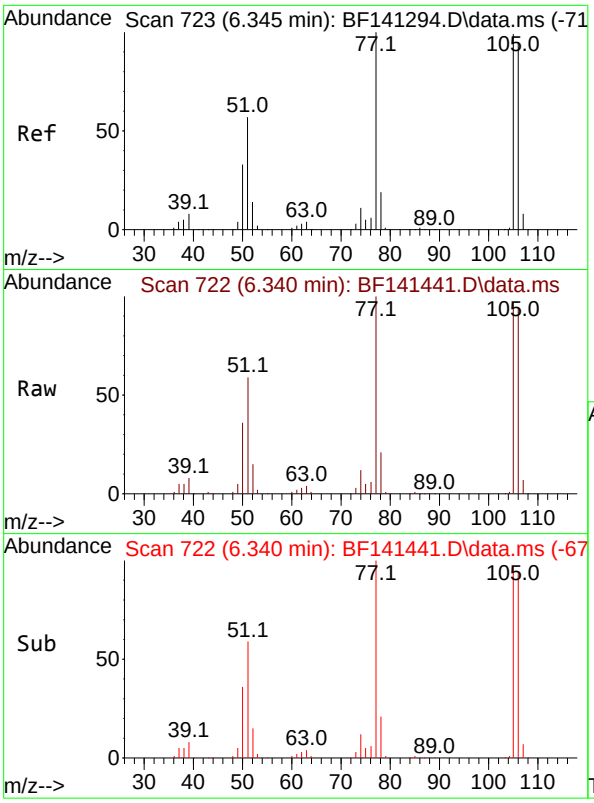


#8
2-Chlorophenol
Concen: 44.192 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:128 Resp: 214051

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	47.6	32.9	72.9





#9
Benzaldehyde
Concen: 50.105 ng
RT: 6.340 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 77 Resp: 16684

Ion	Ratio	Lower	Upper
77	100		
105	97.2	79.4	119.4
106	93.9	74.6	114.6

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
APPROVED

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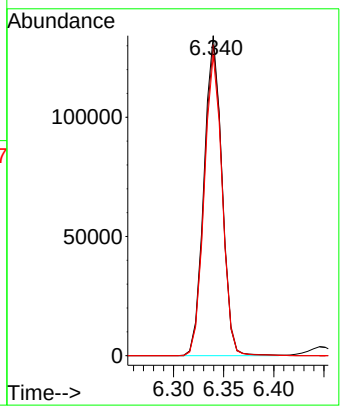
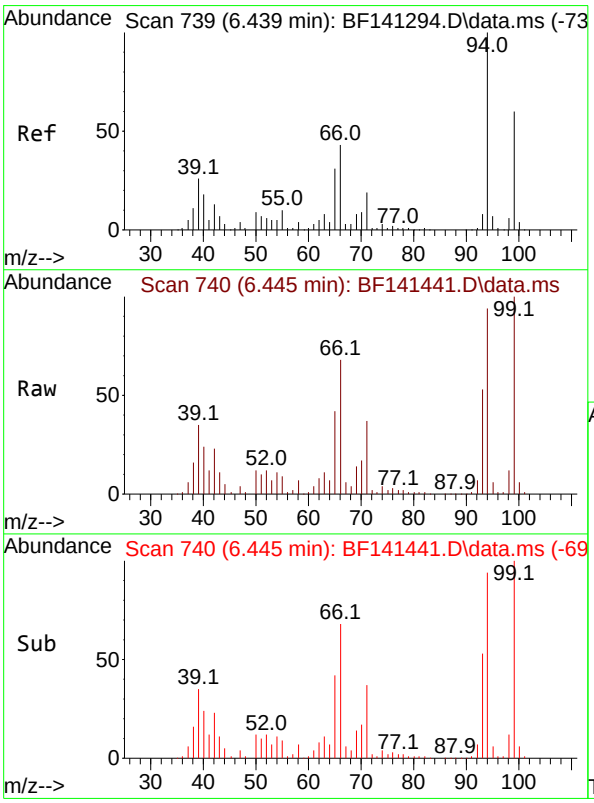
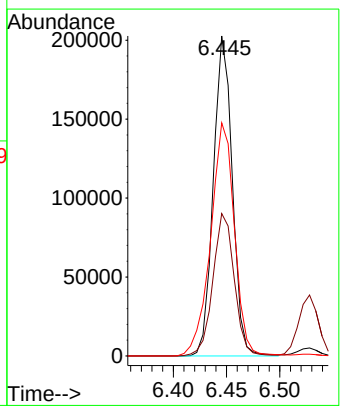


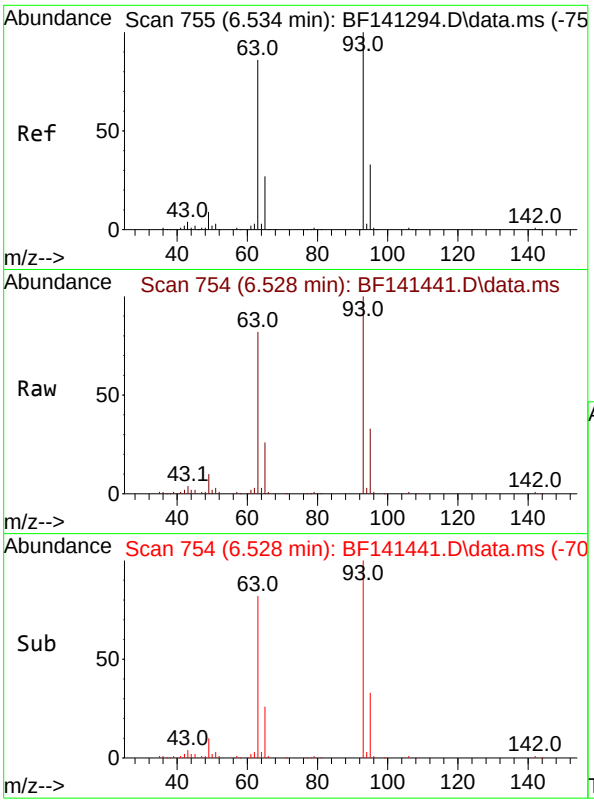


#10
Phenol
Concen: 41.113 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 94 Resp: 250546

Ion	Ratio	Lower	Upper
94	100		
65	44.5	10.8	50.8
66	72.9	23.3	63.3#

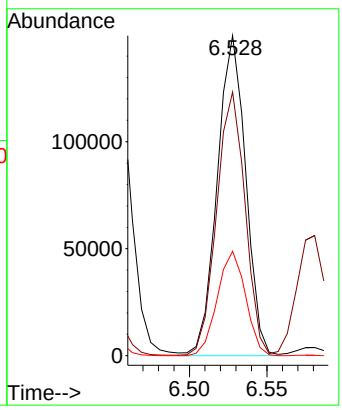




#11
bis(2-Chloroethyl)ether
Concen: 40.902 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 93 Resp: 19111

Ion	Ratio	Lower	Upper
93	100		
63	82.4	65.0	105.0
95	32.6	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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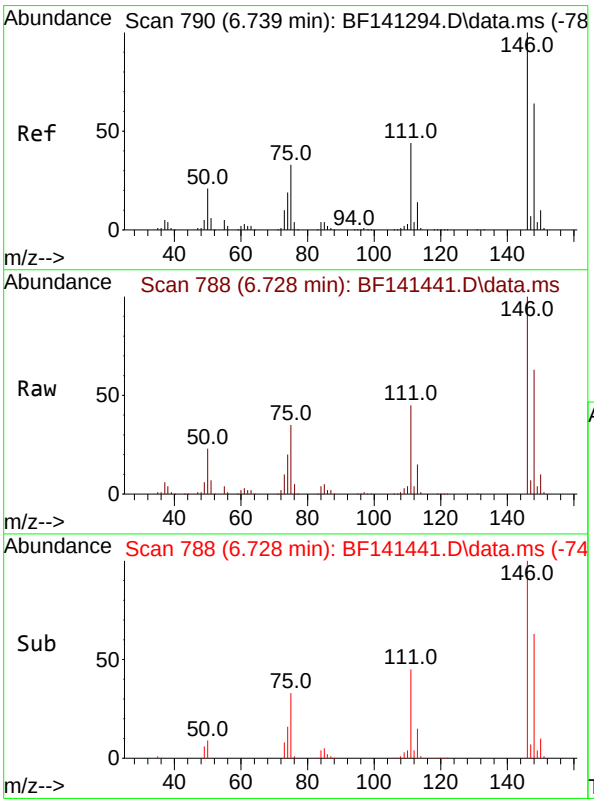
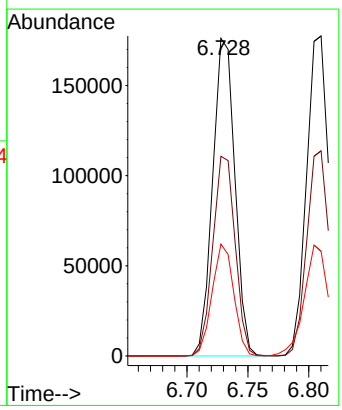
Supervised By :mohammad ahmed 02/06/2025

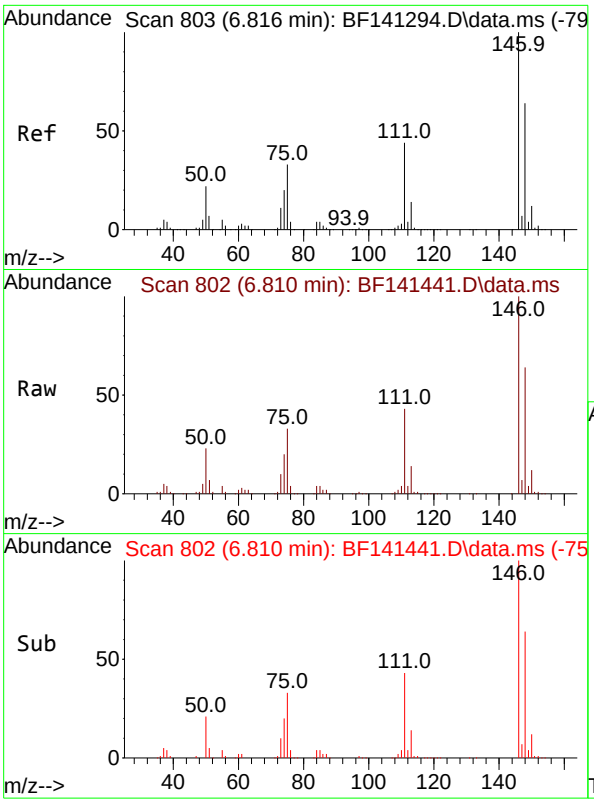


#12
1,3-Dichlorobenzene
Concen: 41.915 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:146 Resp: 223851

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.2	76.8
75	35.2	26.2	39.4

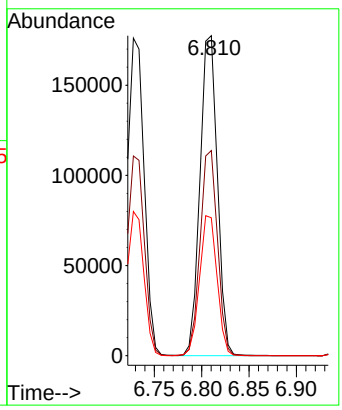




#13
1,4-Dichlorobenzene
Concen: 42.433 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:146 Resp: 22766

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.2	76.8
111	43.1	35.0	52.4



Instrument :
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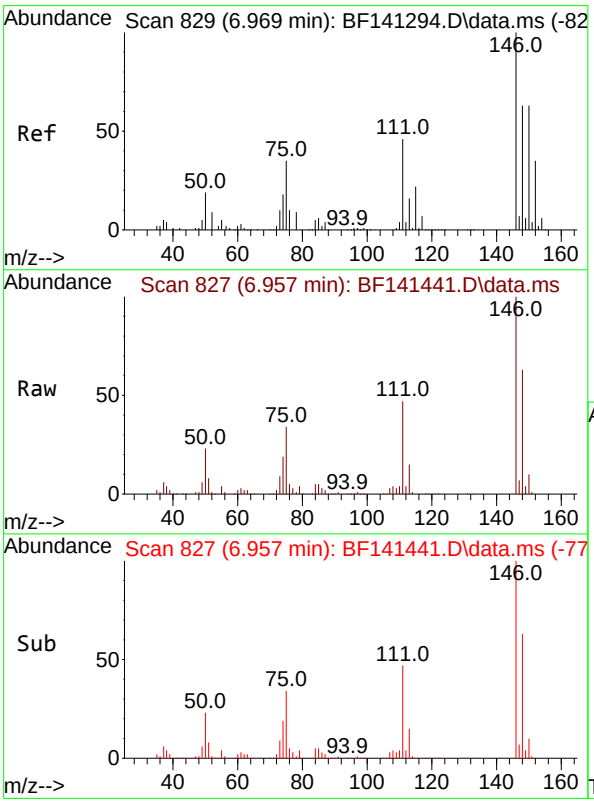
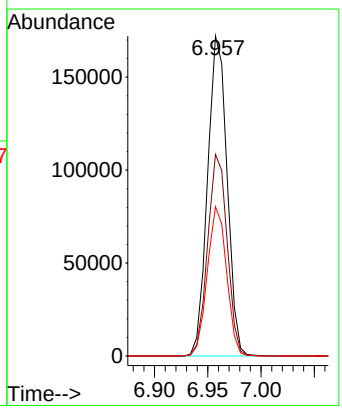
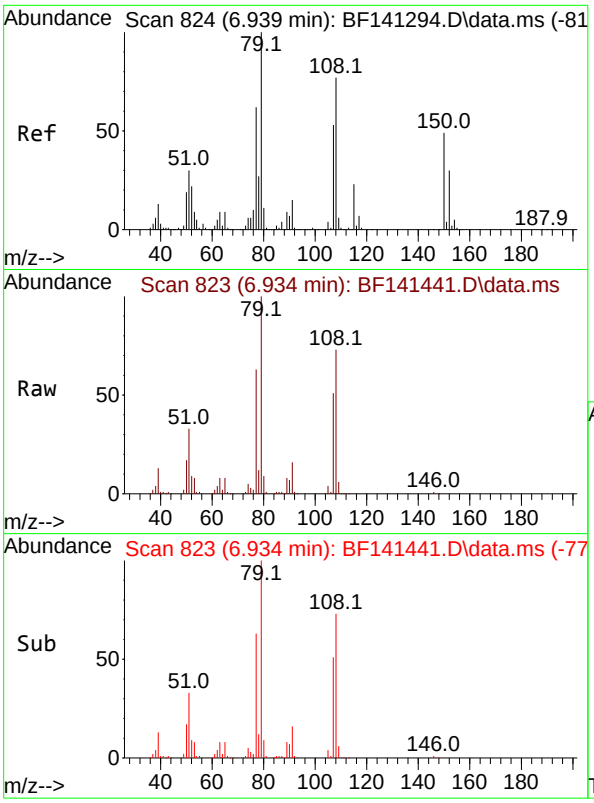


#14
1,2-Dichlorobenzene
Concen: 43.520 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:146 Resp: 218639

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
111	46.7	36.6	55.0





#15
Benzyl Alcohol
Concen: 47.704 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 79 Resp: 18741

Ion	Ratio	Lower	Upper
79	100		
108	73.3	61.4	92.0
77	62.6	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
PB166418BS

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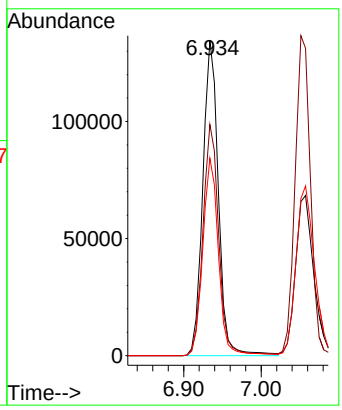
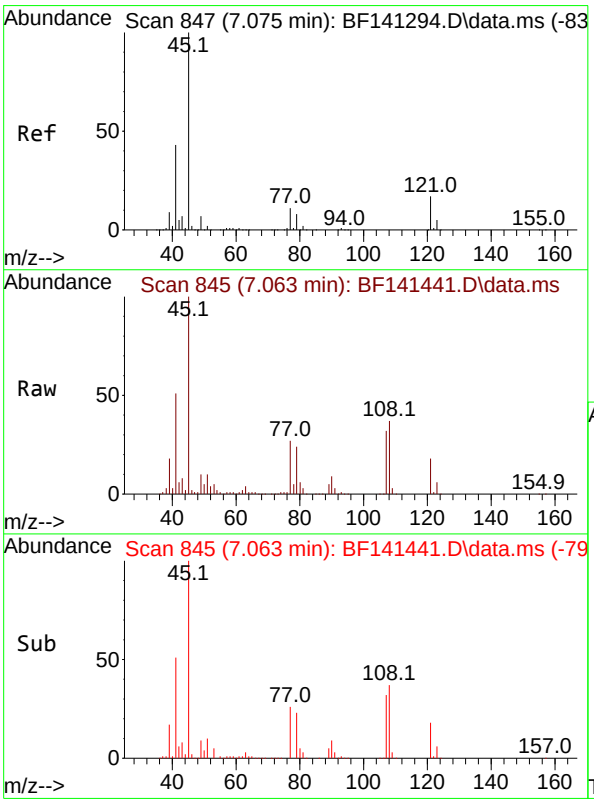
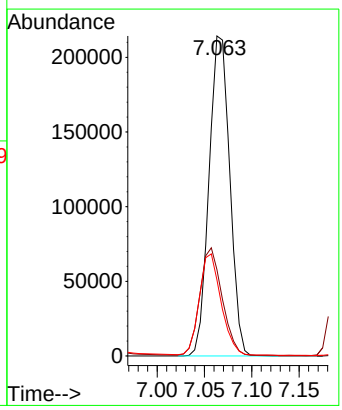


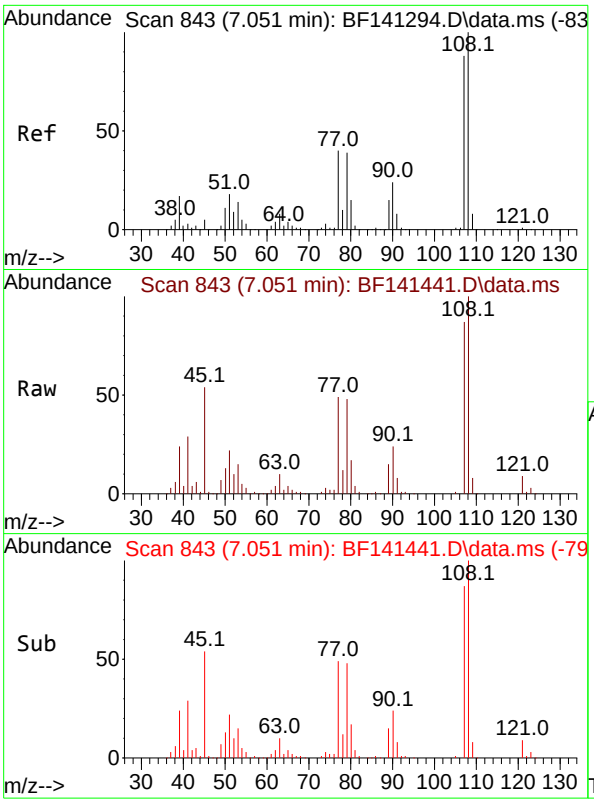


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.236 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 45 Resp: 326923

Ion	Ratio	Lower	Upper
45	100		
77	27.0	0.0	31.8
79	23.8	0.0	29.1

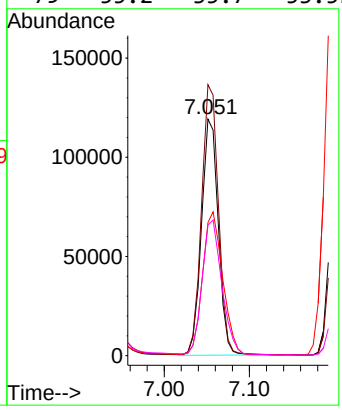




#17
2-Methylphenol
Concen: 41.447 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:107 Resp: 16316

Ion	Ratio	Lower	Upper
107	100		
108	114.6	90.8	136.2
77	56.3	36.2	54.4#
79	55.2	35.7	53.5#



Instrument :
BNA_F
ClientSampleId :
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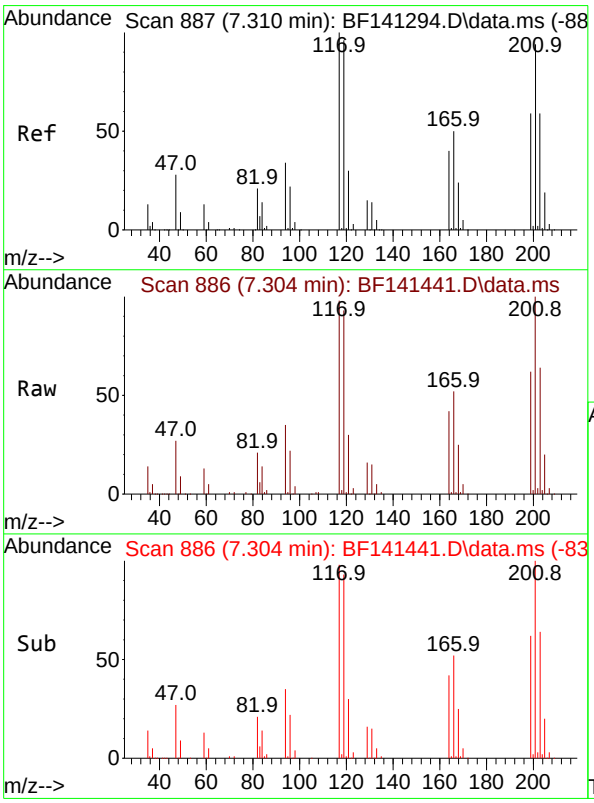
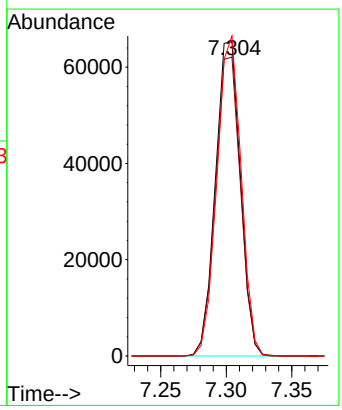
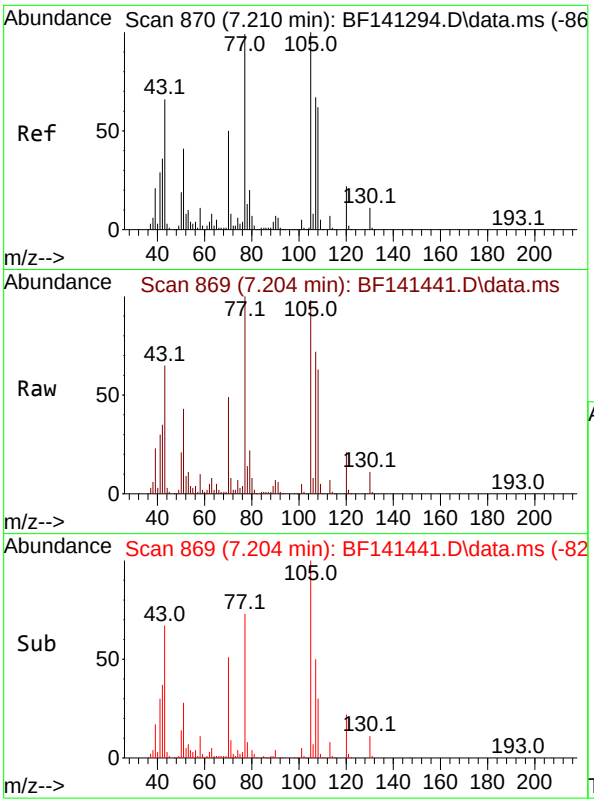


#18
Hexachloroethane
Concen: 43.691 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:117 Resp: 86475

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.6	114.8
201	101.9	74.8	112.2

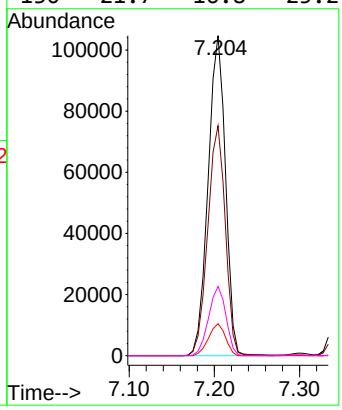




#19
n-Nitroso-di-n-propylamine
Concen: 43.440 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 70 Resp: 14839

Ion	Ratio	Lower	Upper
70	100		
42	71.8	56.8	85.2
101	10.0	7.7	11.5
130	21.7	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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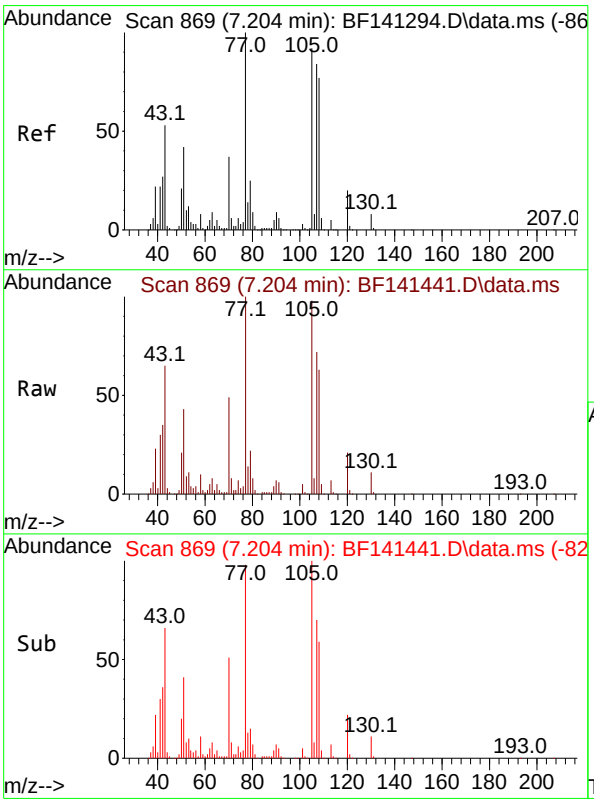
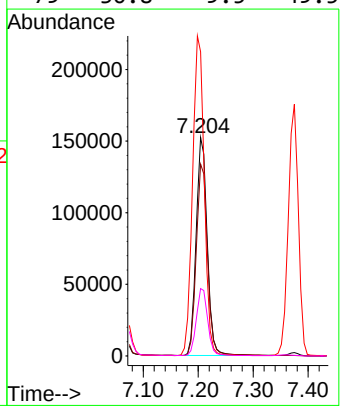
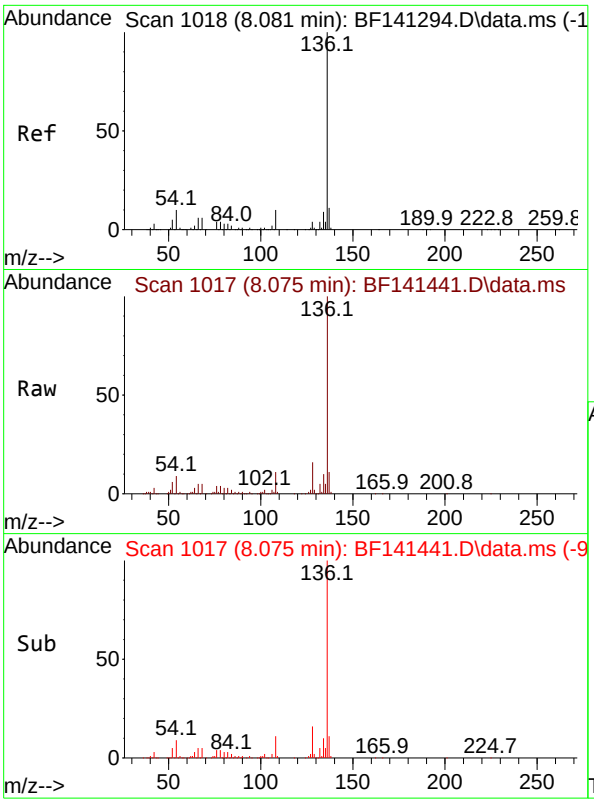


#20
3+4-Methylphenols
Concen: 44.129 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:107 Resp: 213301

Ion	Ratio	Lower	Upper
107	100		
108	87.8	70.9	110.9
77	139.2	98.5	138.5#
79	30.8	9.5	49.5

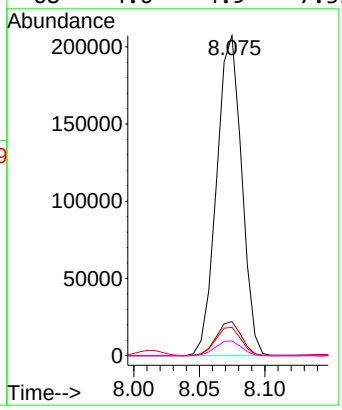




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:136 Resp: 27500

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.9	7.8	11.8
68	4.6	4.9	7.3#



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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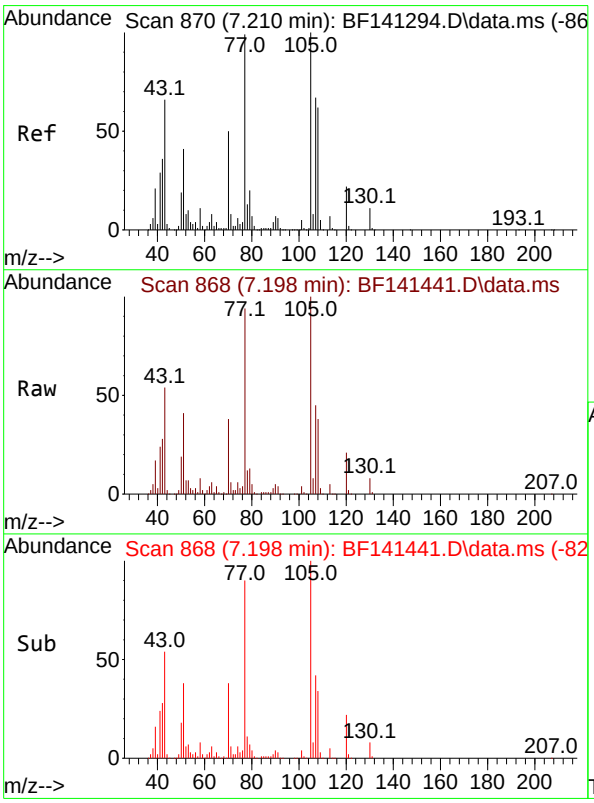
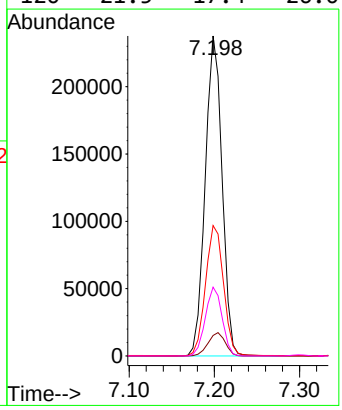
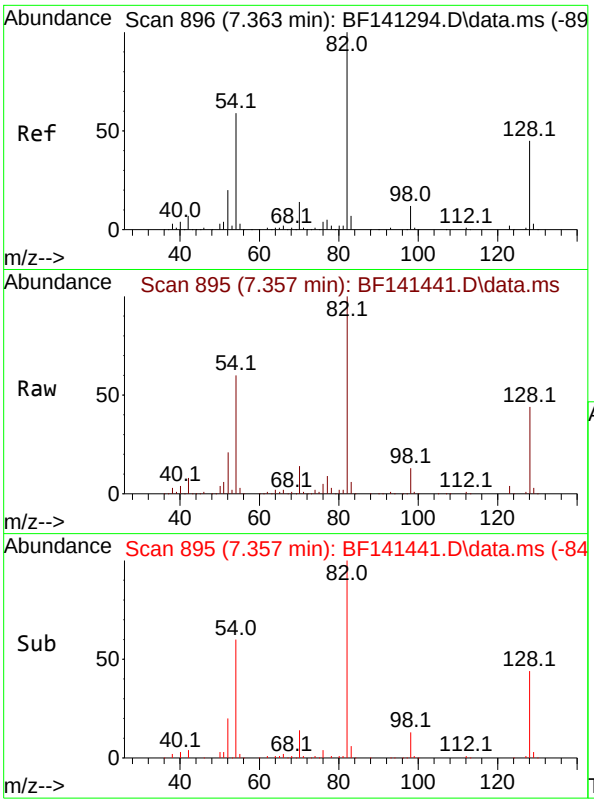


#22
Acetophenone
Concen: 49.992 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:105 Resp: 326794

Ion	Ratio	Lower	Upper
105	100		
71	6.4	6.8	10.2#
51	40.7	32.6	49.0
120	21.5	17.4	26.0





#23
Nitrobenzene-d5
Concen: 97.073 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 82 Resp: 50640

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.7	53.5
54	60.0	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
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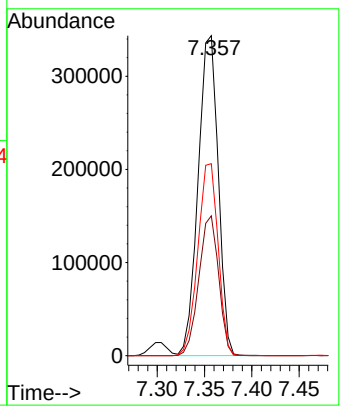
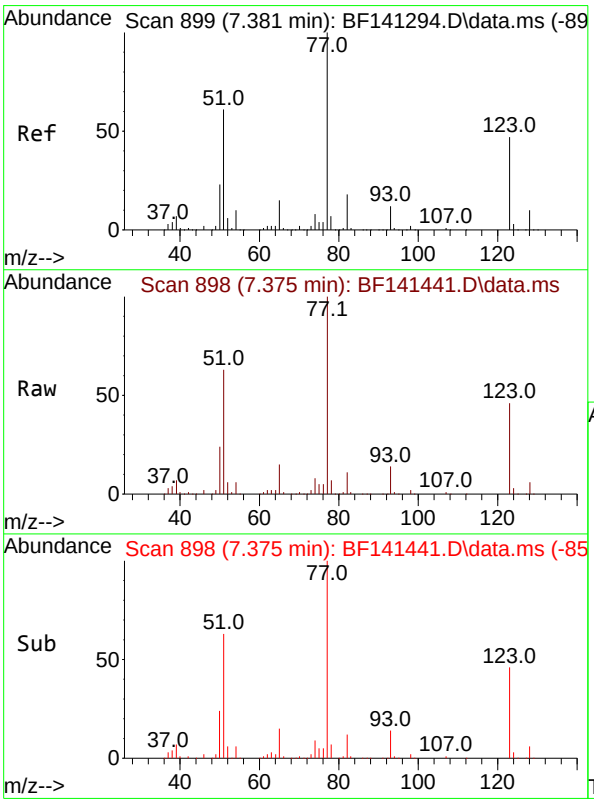
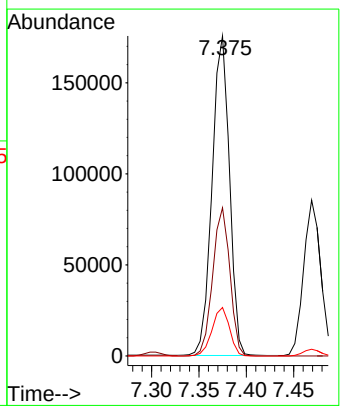


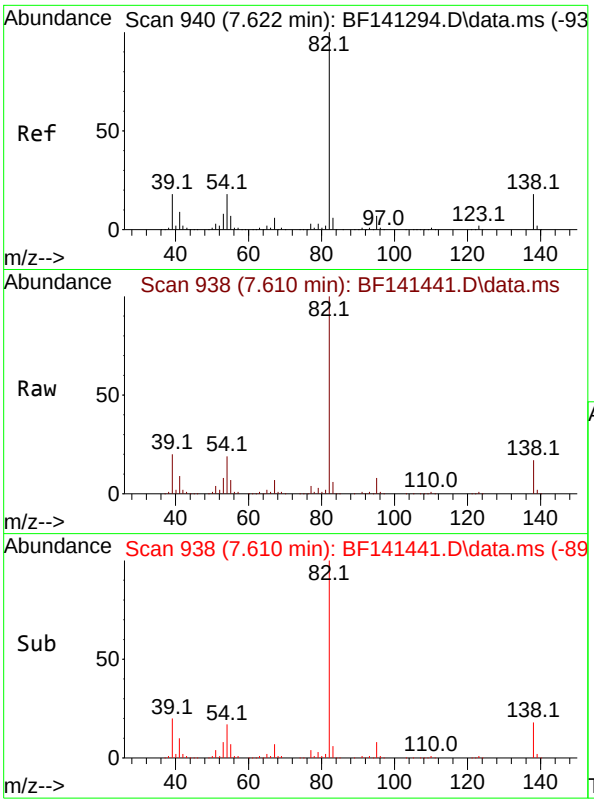


#24
Nitrobenzene
Concen: 41.357 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 77 Resp: 223580

Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.3	55.9
65	15.1	11.8	17.6

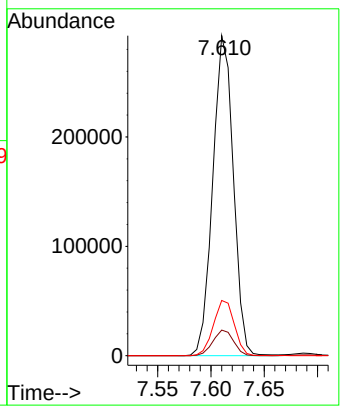




#25
Isophorone
Concen: 43.528 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 82 Resp: 39251

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.6
138	17.3	14.7	22.1



Instrument :
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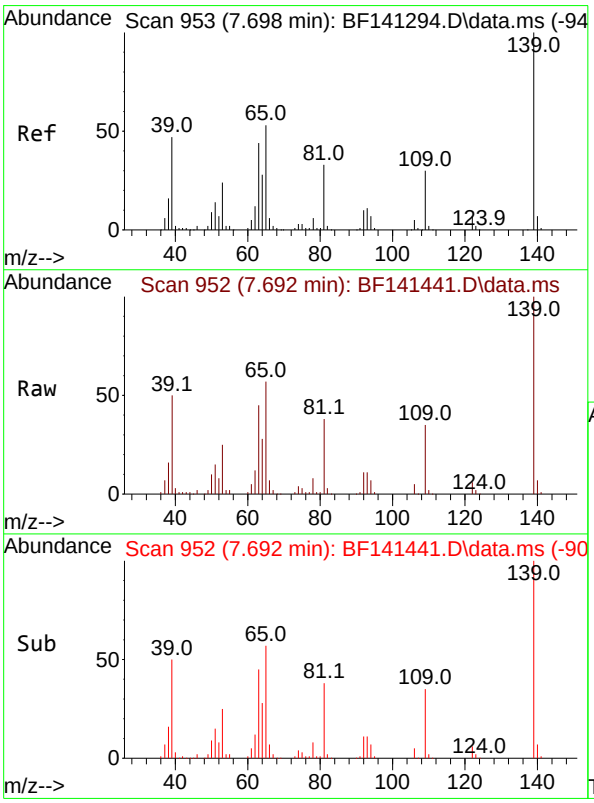
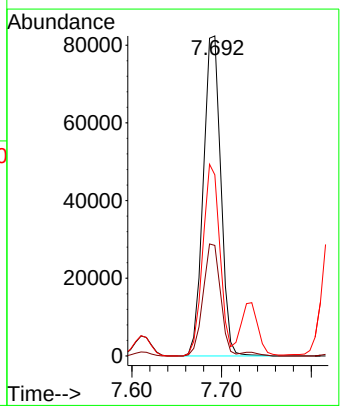
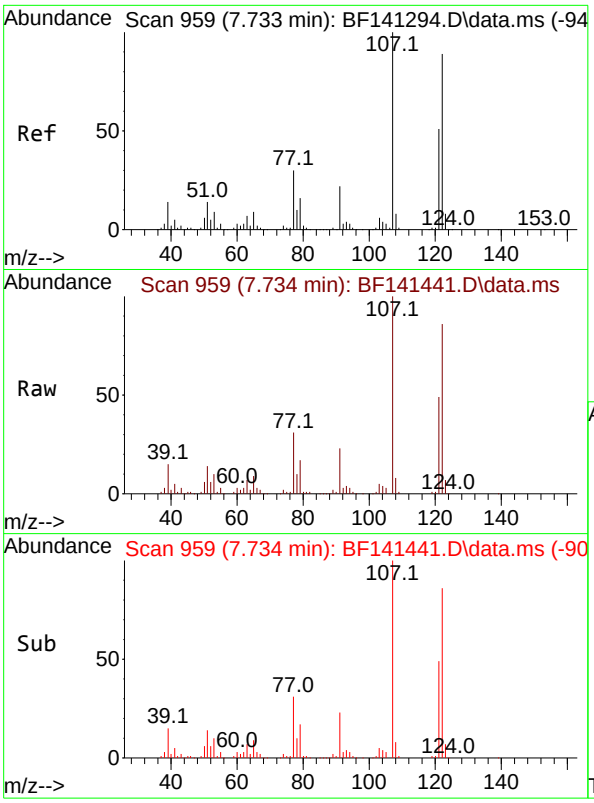


#26
2-Nitrophenol
Concen: 43.686 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:139 Resp: 111383

Ion	Ratio	Lower	Upper
139	100		
109	34.5	23.8	35.6
65	56.6	42.2	63.4

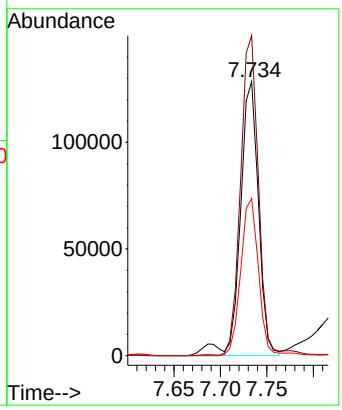




#27
2,4-Dimethylphenol
Concen: 54.012 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:122 Resp: 17528

Ion	Ratio	Lower	Upper
122	100		
107	116.7	89.9	134.9
121	57.3	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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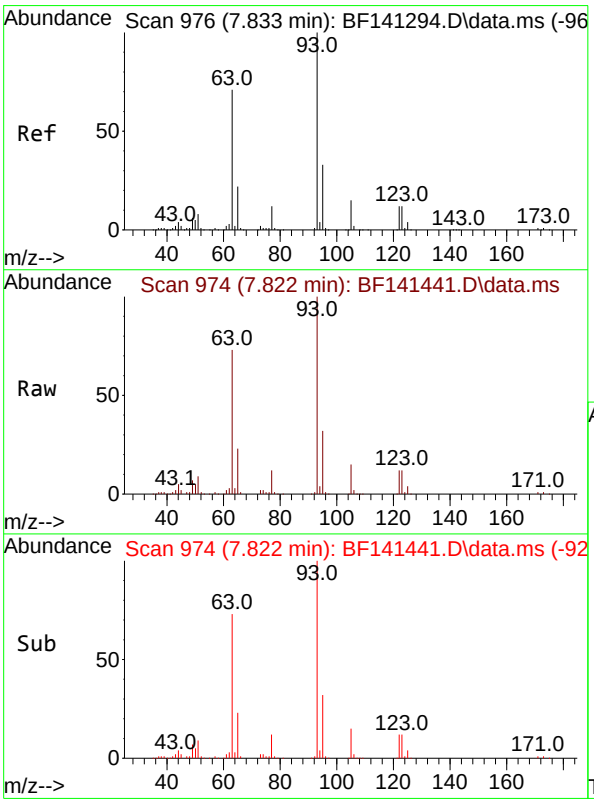
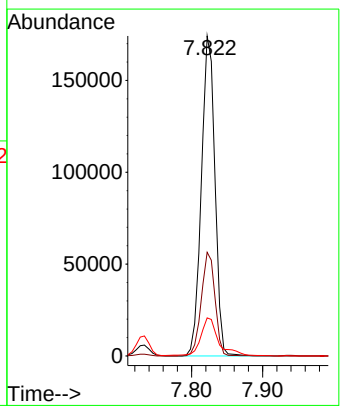
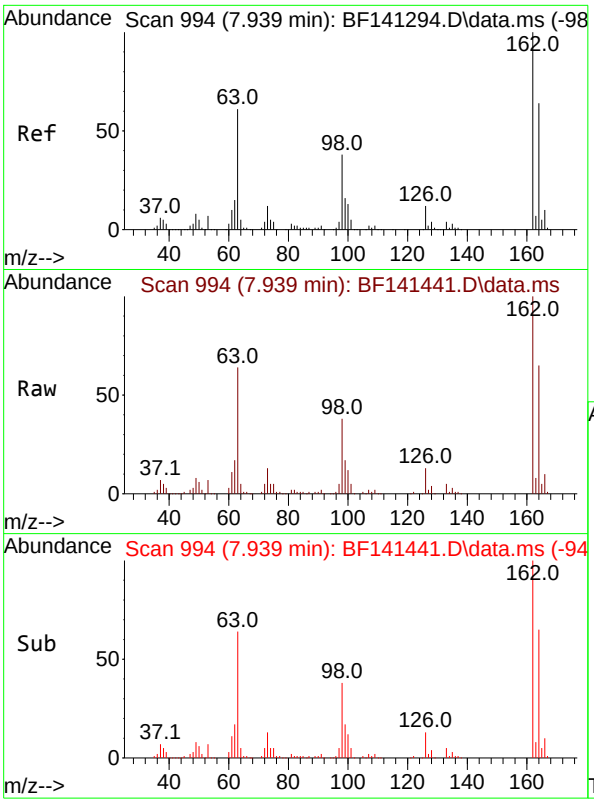


#28
bis(2-Chloroethoxy)methane
Concen: 40.377 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 93 Resp: 232249

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	11.9	10.2	15.4

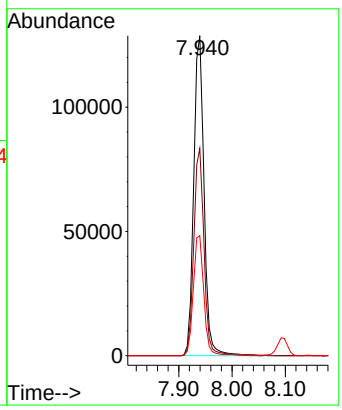




#29
2,4-Dichlorophenol
Concen: 43.800 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:162 Resp: 17401

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.2	84.2
98	37.5	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
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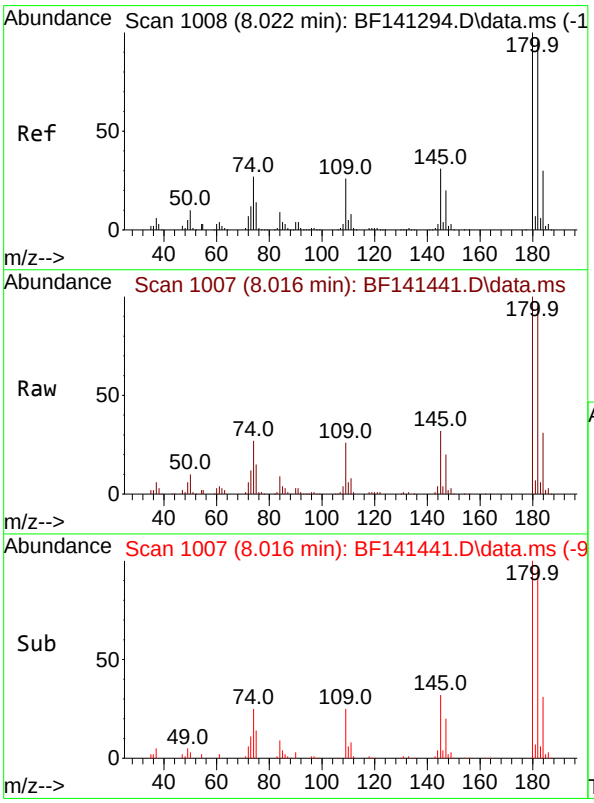
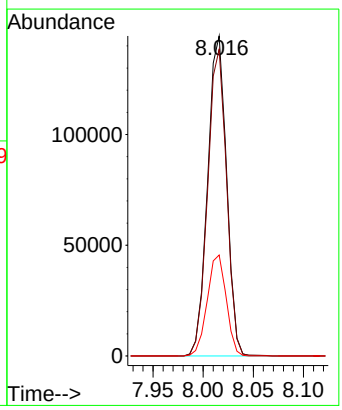
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

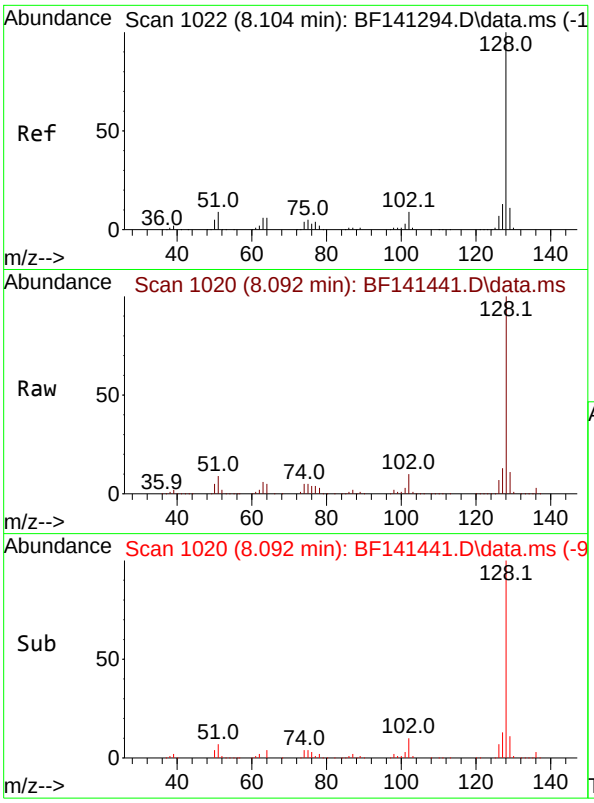


#30
1,2,4-Trichlorobenzene
Concen: 41.854 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:180 Resp: 189899

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	31.5	24.9	37.3





#31
Naphthalene
Concen: 42.425 ng
RT: 8.092 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:128 Resp: 61634(

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.2	10.6	15.8

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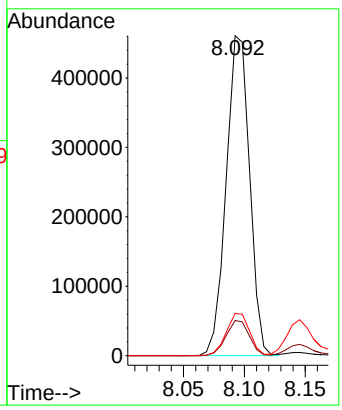
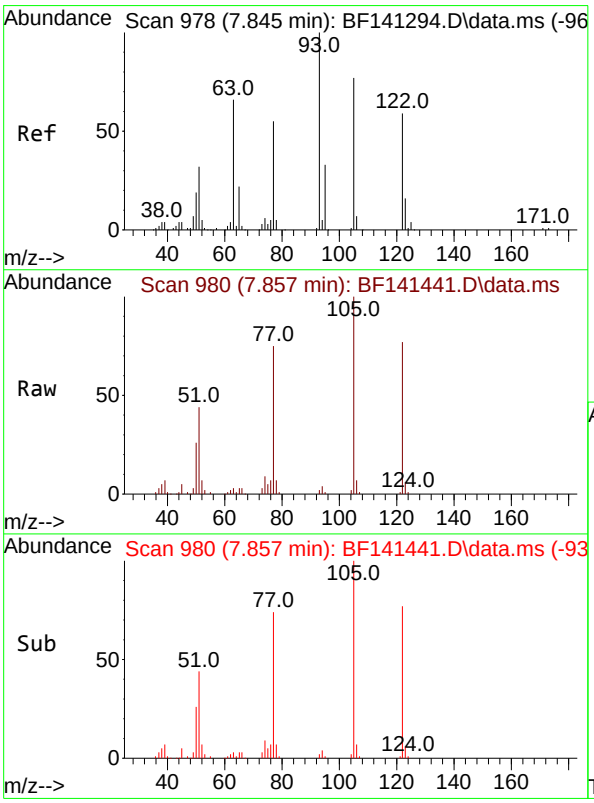
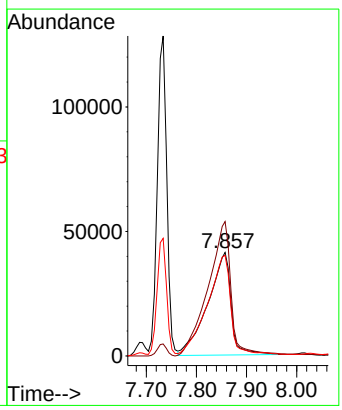


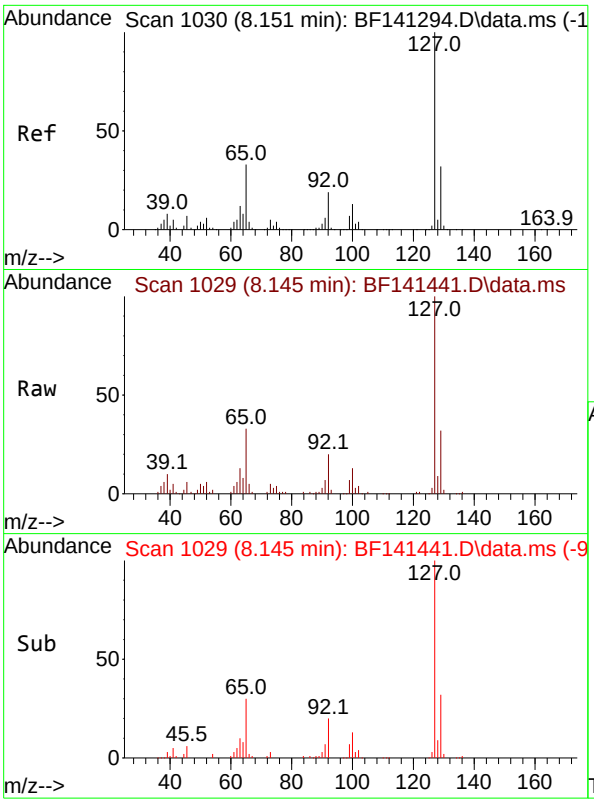


#32
Benzoic acid
Concen: 44.550 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:122 Resp: 132904

Ion	Ratio	Lower	Upper
122	100		
105	129.8	103.4	143.4
77	97.2	70.9	110.9

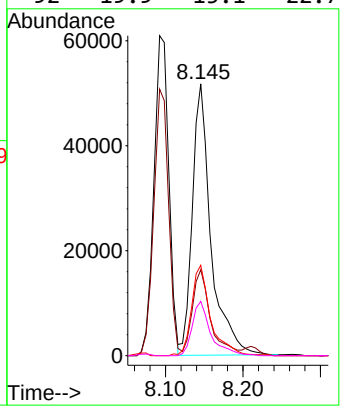




#33
4-Chloroaniline
Concen: 17.511 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:127 Resp: 8626

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.7	38.5
65	33.3	26.4	39.6
92	19.9	15.1	22.7



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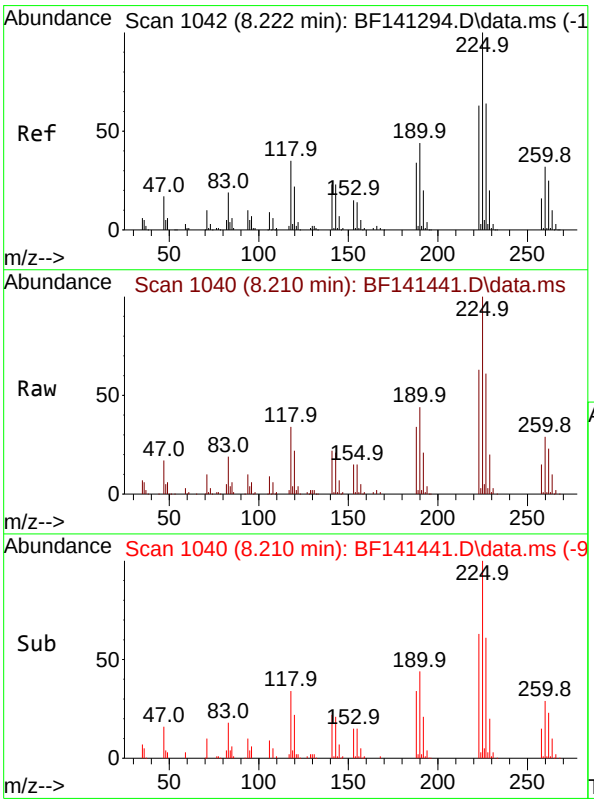
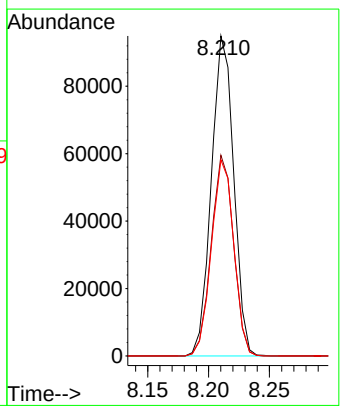
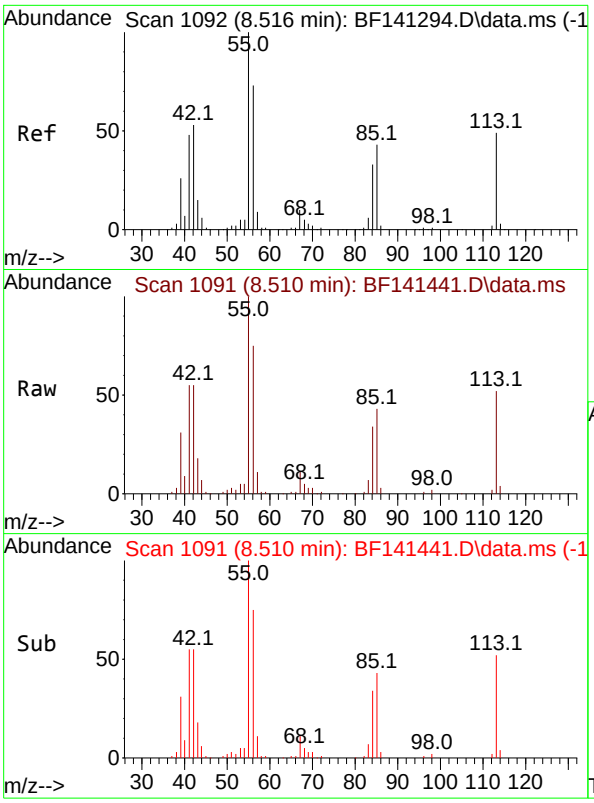


#34
Hexachlorobutadiene
Concen: 45.572 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:225 Resp: 121256

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.4	75.6
227	61.3	51.3	76.9

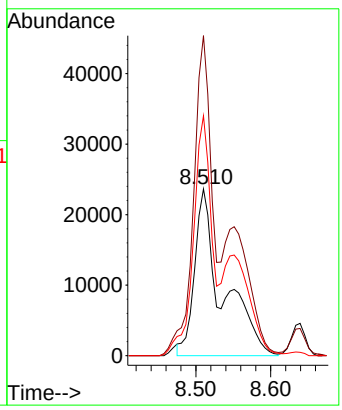




#35
Caprolactam
Concen: 46.916 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:113 Resp: 6087

Ion	Ratio	Lower	Upper
113	100		
55	191.9	182.9	222.9
56	143.8	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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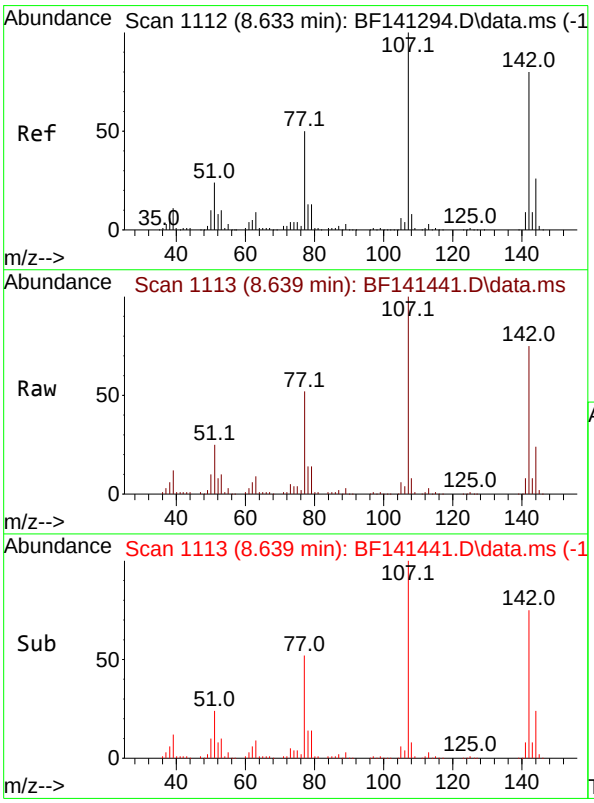
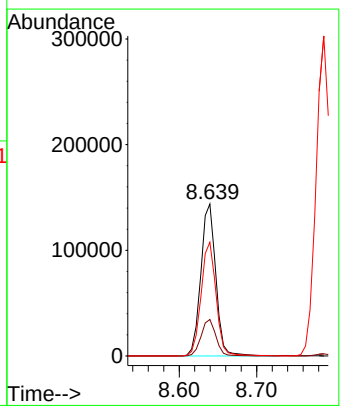
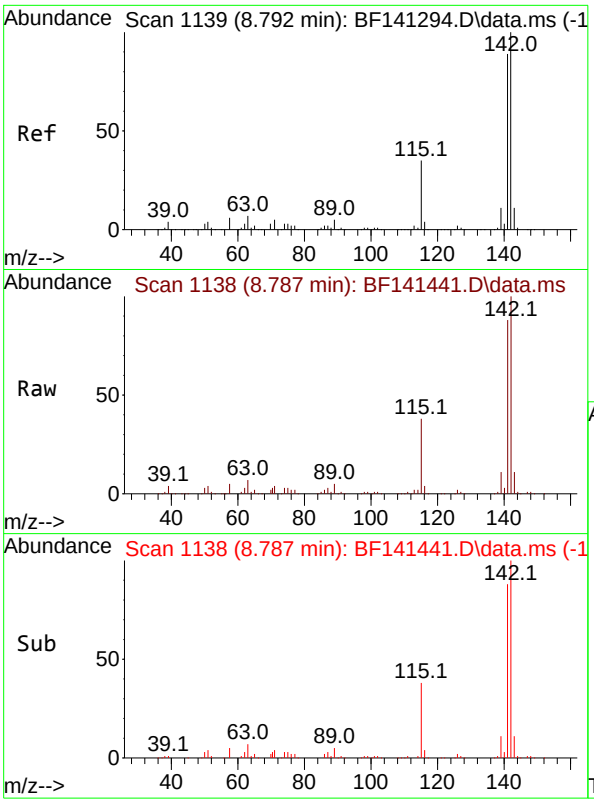


#36
4-Chloro-3-methylphenol
Concen: 45.286 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:107 Resp: 192987

Ion	Ratio	Lower	Upper
107	100		
144	24.0	20.7	31.1
142	74.9	63.8	95.8

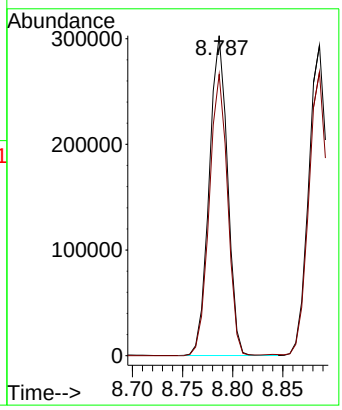




#37
2-Methylnaphthalene
Concen: 41.791 ng
RT: 8.787 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:142 Resp: 38588

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
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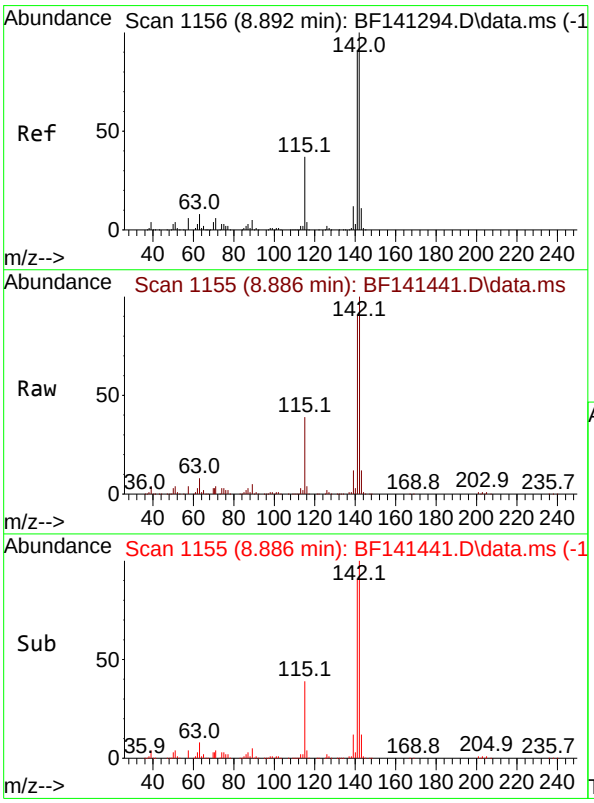
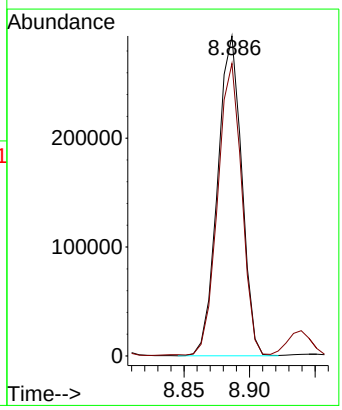
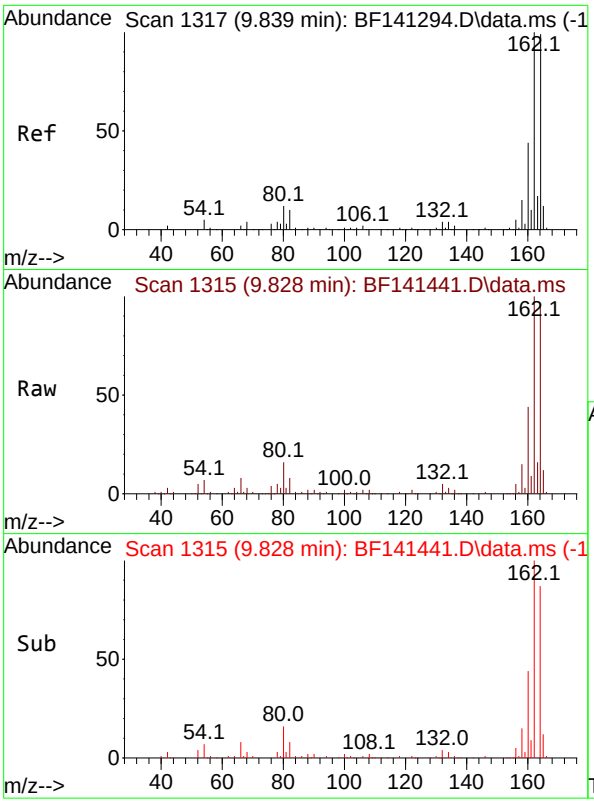


#38
1-Methylnaphthalene
Concen: 41.327 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:142 Resp: 374851

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.2	109.8

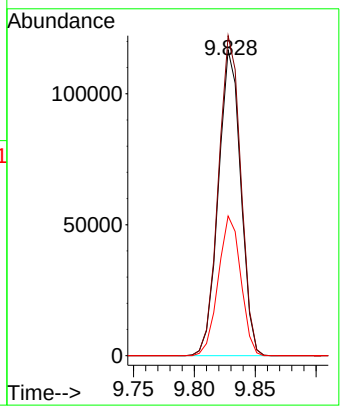




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:164 Resp: 14884

Ion	Ratio	Lower	Upper
164	100		
162	104.7	80.6	121.0
160	45.7	35.8	53.6



Instrument :
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ClientSampleId :
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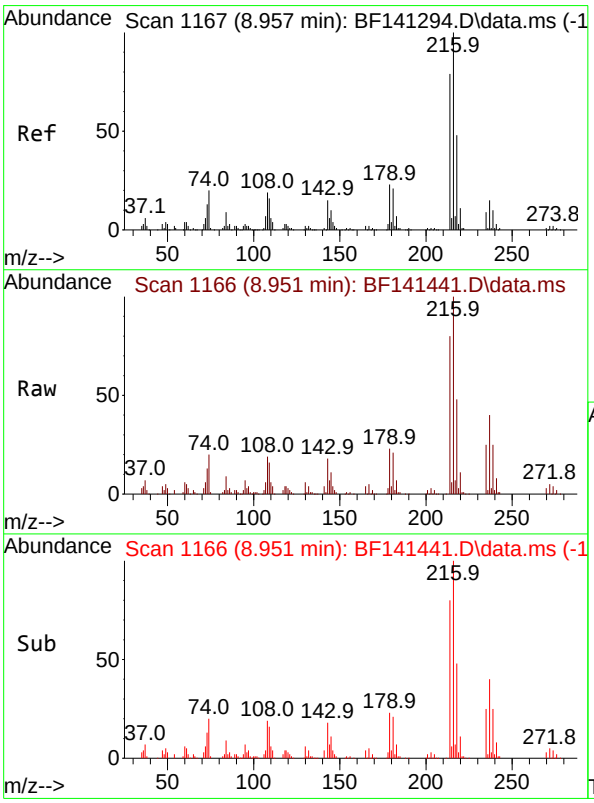
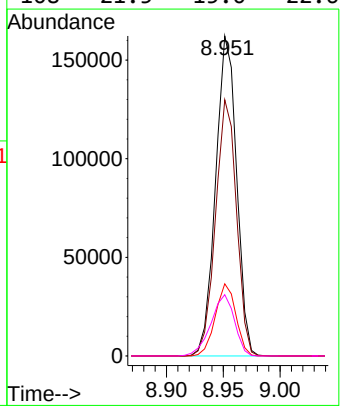
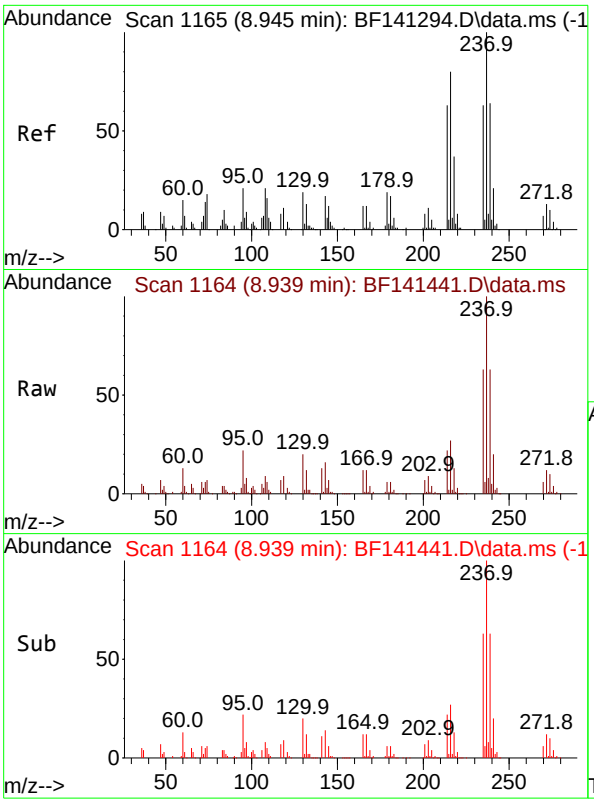


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.310 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:216 Resp: 208801

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.2	94.8
179	22.1	17.8	26.8
108	21.5	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 187.667 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion:237 Resp: 23469

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.5	0.0	32.8

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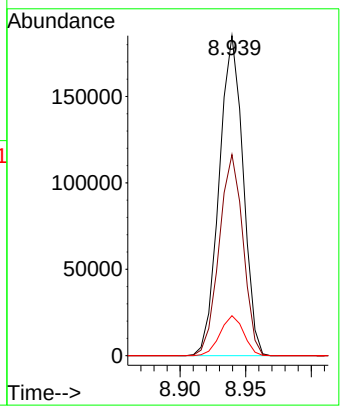
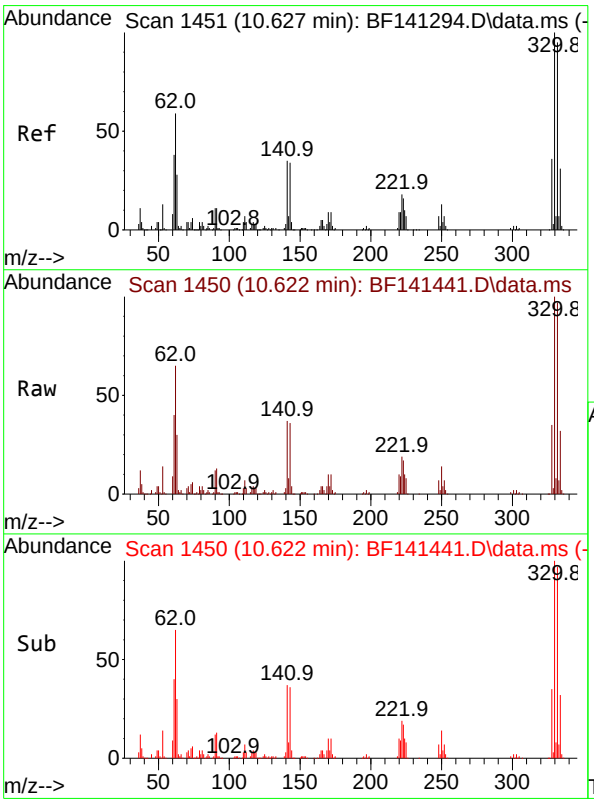
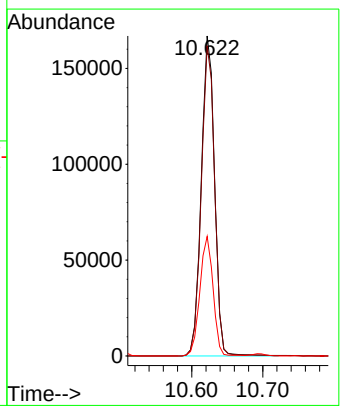


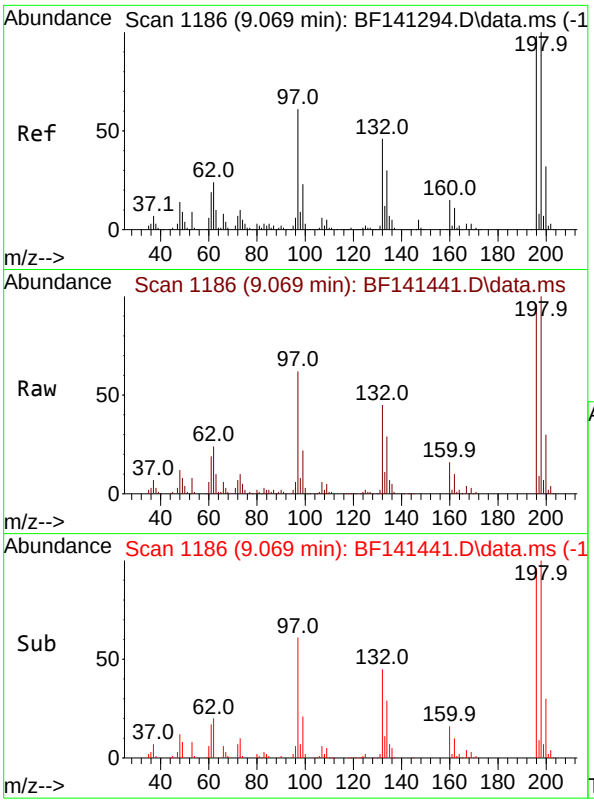


#42
2,4,6-Tribromophenol
Concen: 159.573 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:330 Resp: 217749

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.1	114.1
141	37.2	28.8	43.2

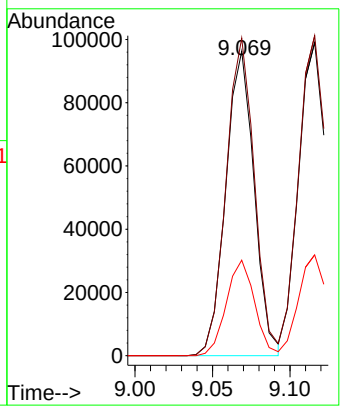




#43
2,4,6-Trichlorophenol
Concen: 44.316 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:196 Resp: 12282

Ion	Ratio	Lower	Upper
196	100		
198	104.3	81.8	122.6
200	31.4	26.3	39.5



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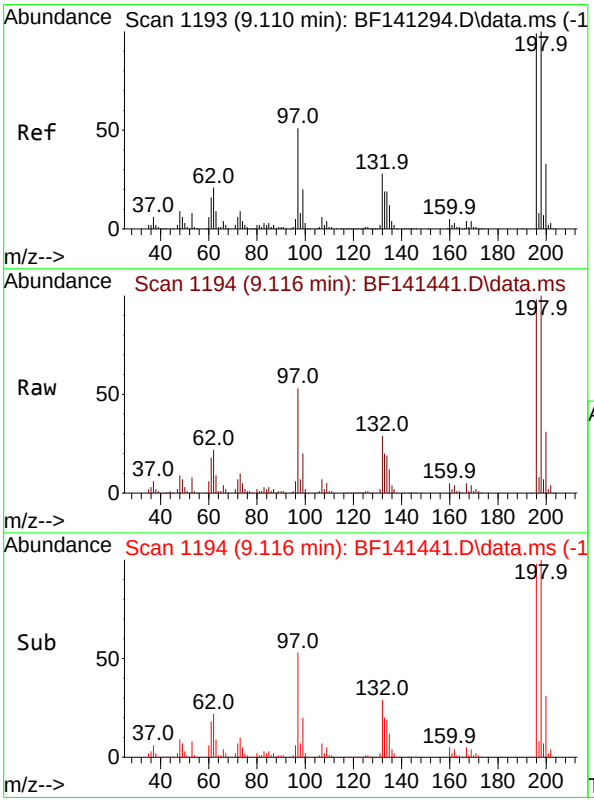
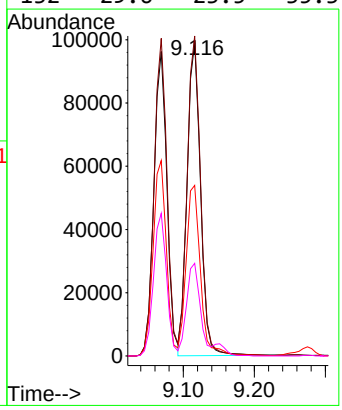
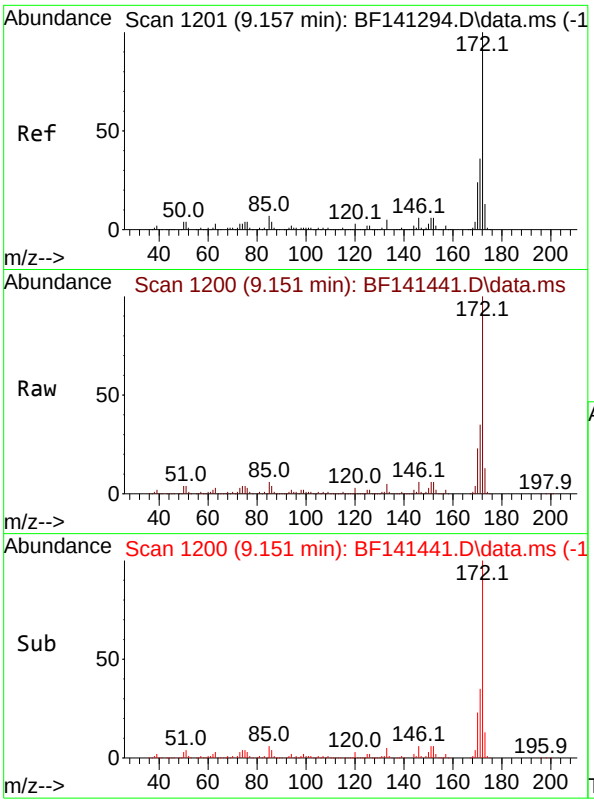


#44
2,4,5-Trichlorophenol
Concen: 43.190 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:196 Resp: 130288

Ion	Ratio	Lower	Upper
196	100		
198	102.1	80.5	120.7
97	54.4	42.8	64.2
132	29.6	23.5	35.3

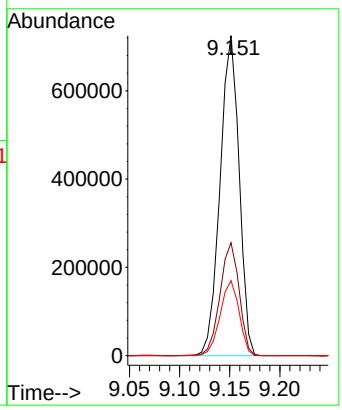




#45
2-Fluorobiphenyl
Concen: 98.931 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:172 Resp: 95669

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.5	19.0	28.6



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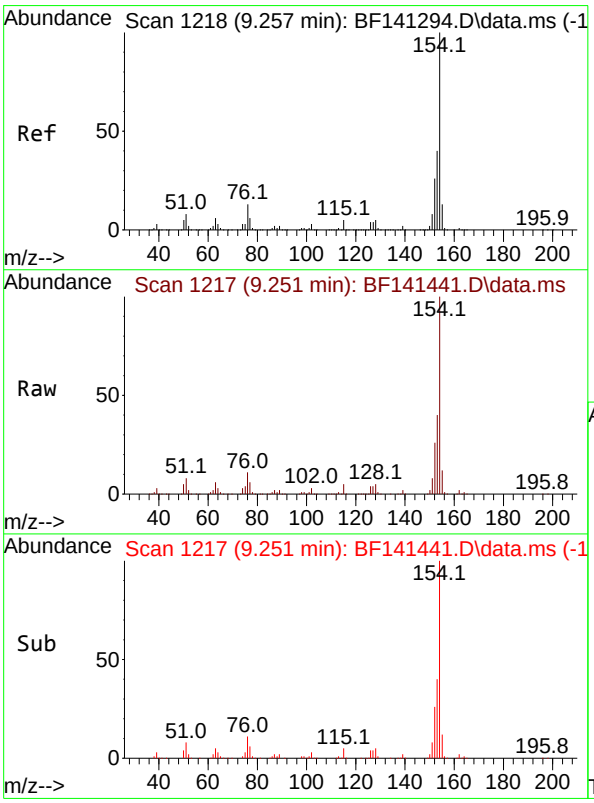
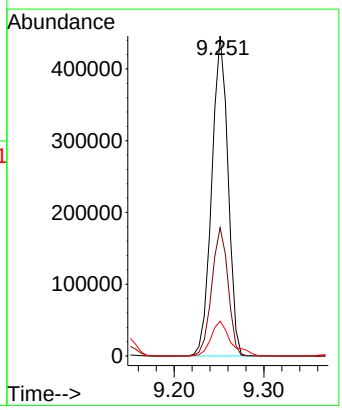
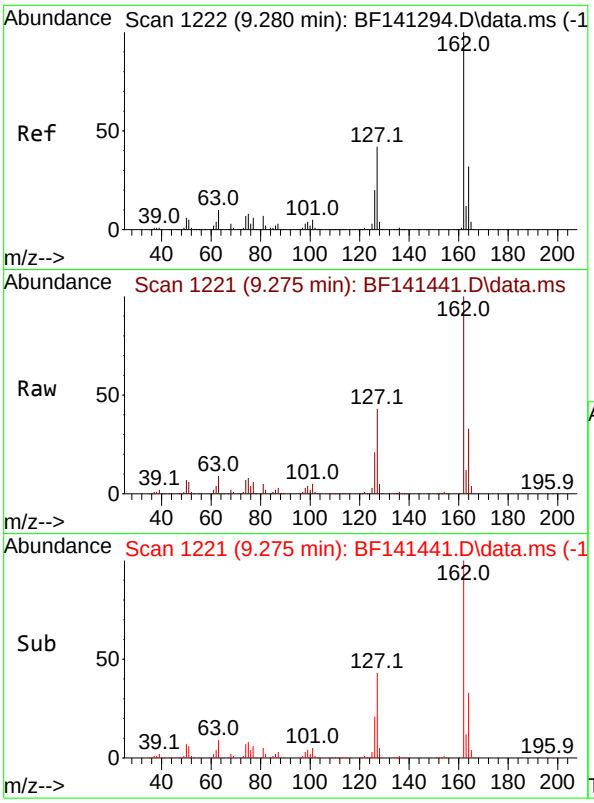


#46
1,1'-Biphenyl
Concen: 48.309 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:154 Resp: 560784

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	10.8	0.0	32.8

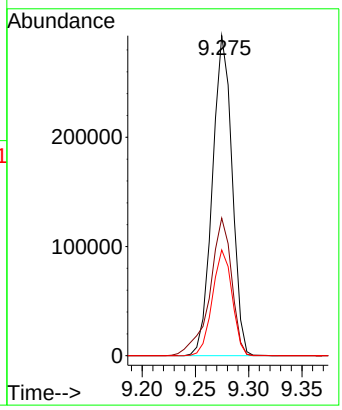




#47
2-Chloronaphthalene
Concen: 41.655 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:162 Resp: 37689

Ion	Ratio	Lower	Upper
162	100		
127	43.0	33.7	50.5
164	33.0	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
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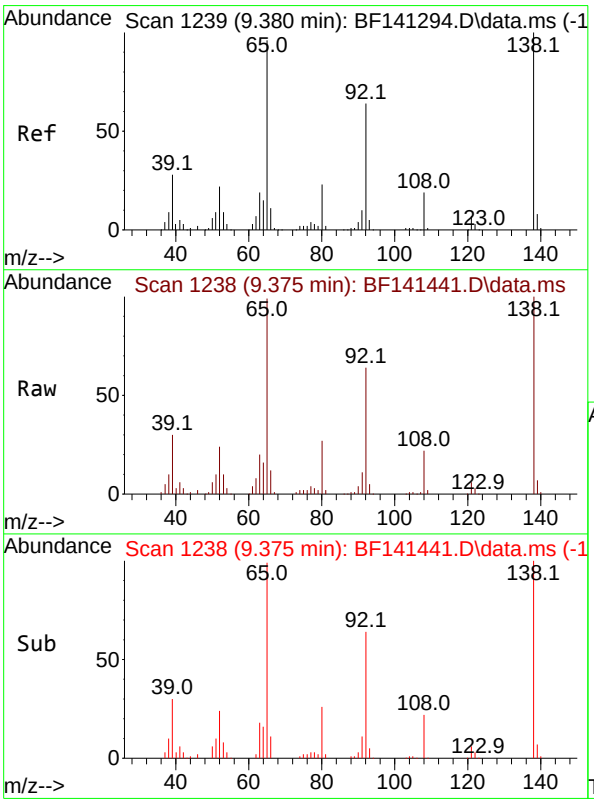
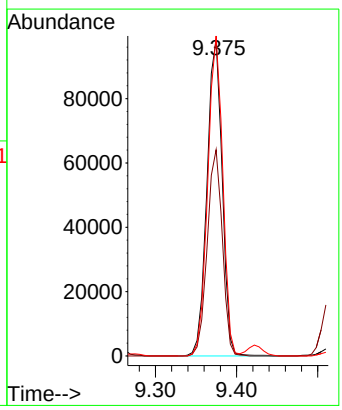
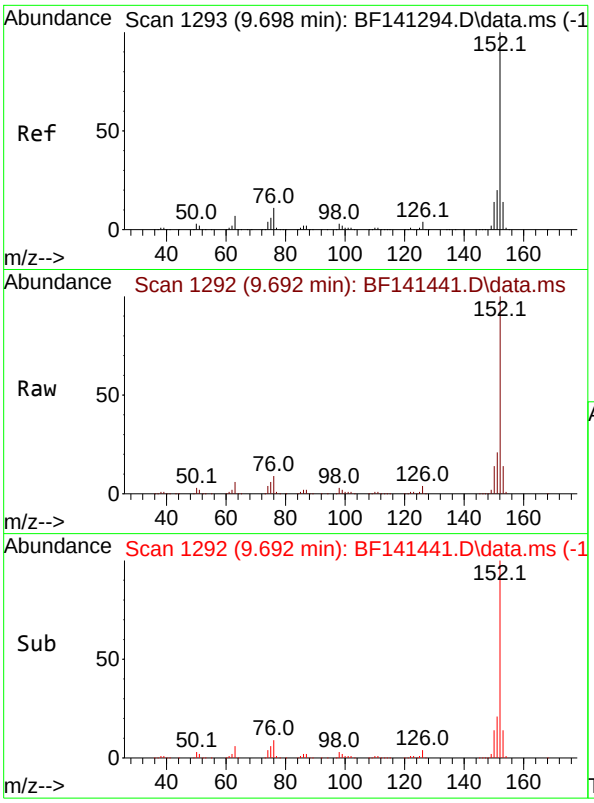


#48
2-Nitroaniline
Concen: 44.811 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 65 Resp: 127531

Ion	Ratio	Lower	Upper
65	100		
92	65.2	53.3	79.9
138	101.2	83.6	125.4

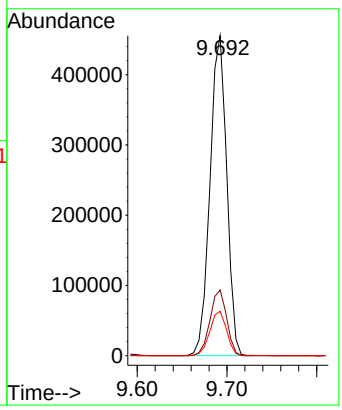




#49
Acenaphthylene
Concen: 46.522 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:152 Resp: 58922

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2
153	13.9	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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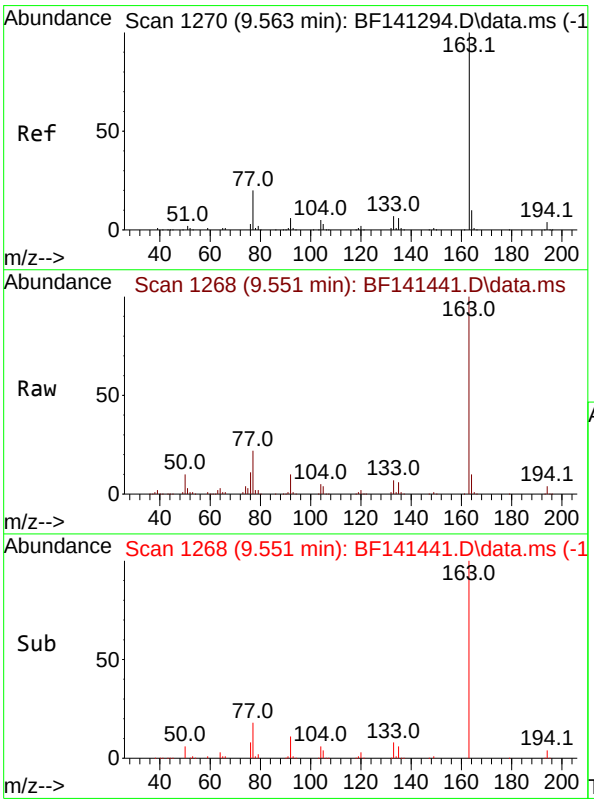
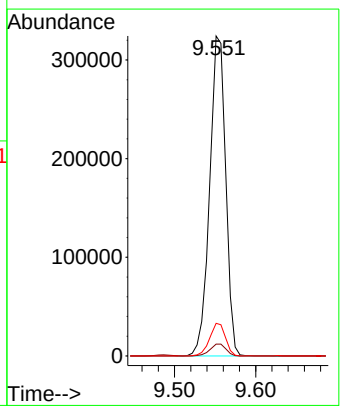
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

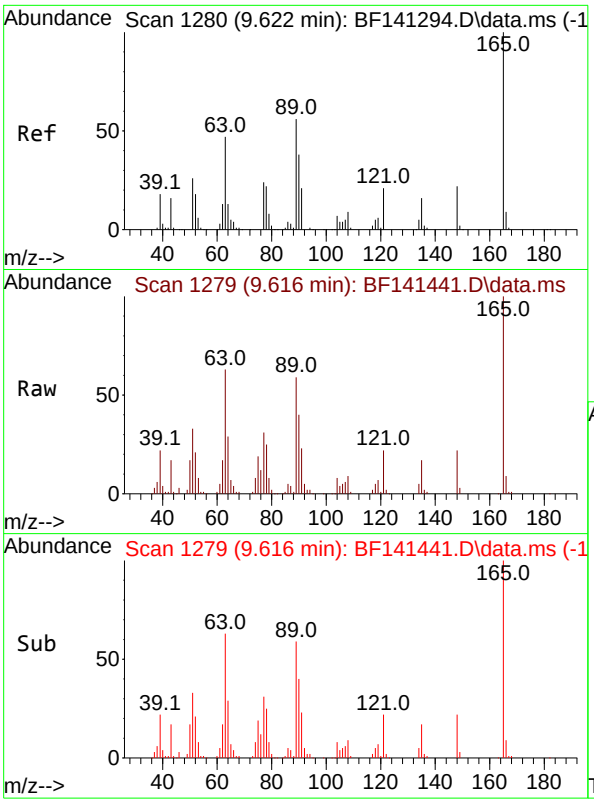


#50
Dimethylphthalate
Concen: 44.205 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:163 Resp: 444390

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 41.975 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:165 Resp: 9797

Ion	Ratio	Lower	Upper
165	100		
63	63.4	48.1	72.1
89	58.9	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
PB166418BS

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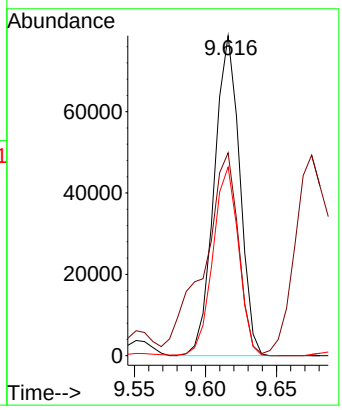
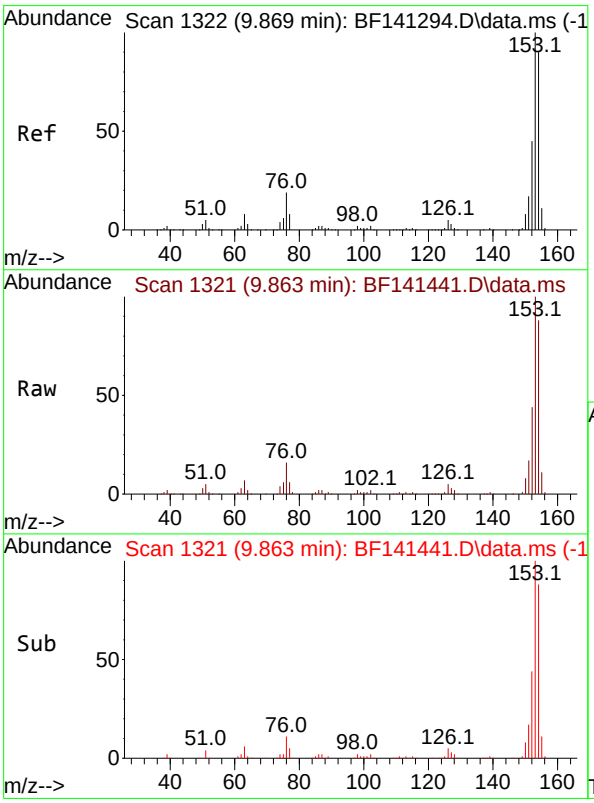
Supervised By :mohammad ahmed 02/06/2025

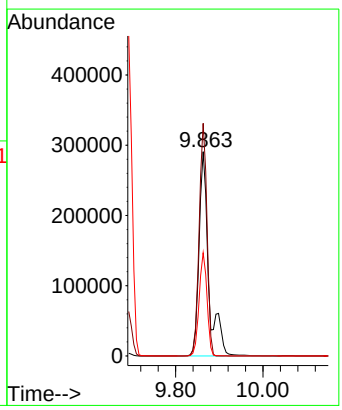


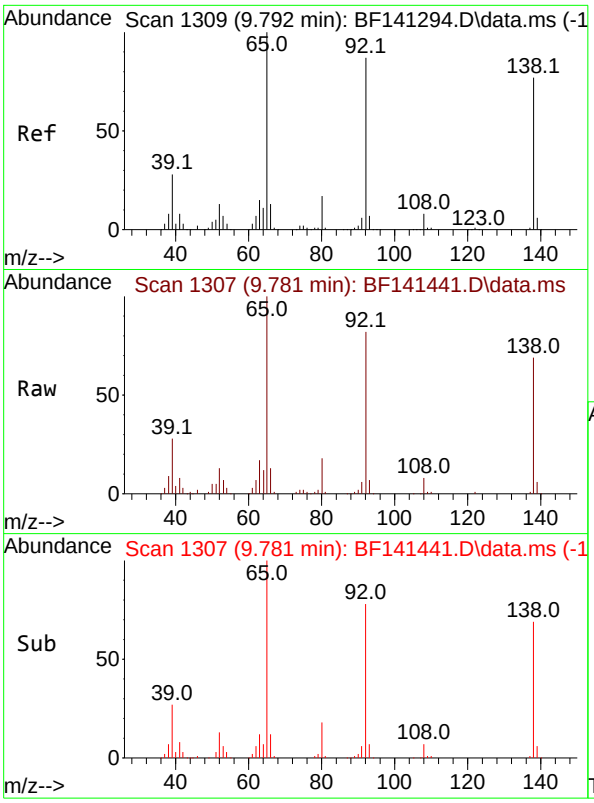


#52
Acenaphthene
Concen: 49.920 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:154 Resp: 451686

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.0	133.4
152	50.5	40.2	60.4





#53
3-Nitroaniline
Concen: 22.577 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:138 Resp: 5165

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.6	12.8
92	119.3	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
PB166418BS

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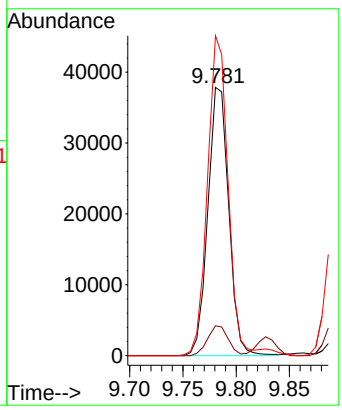
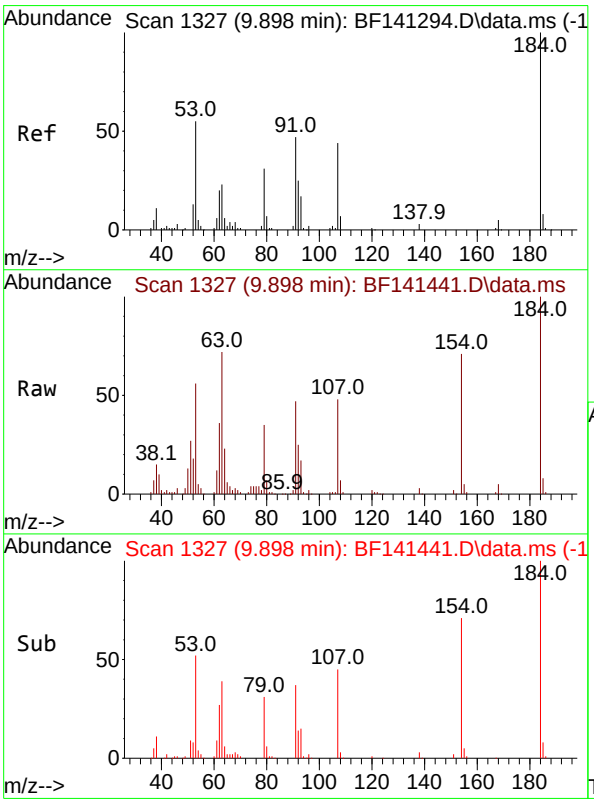
Supervised By :mohammad ahmed 02/06/2025

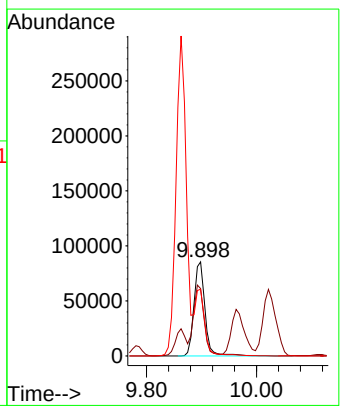


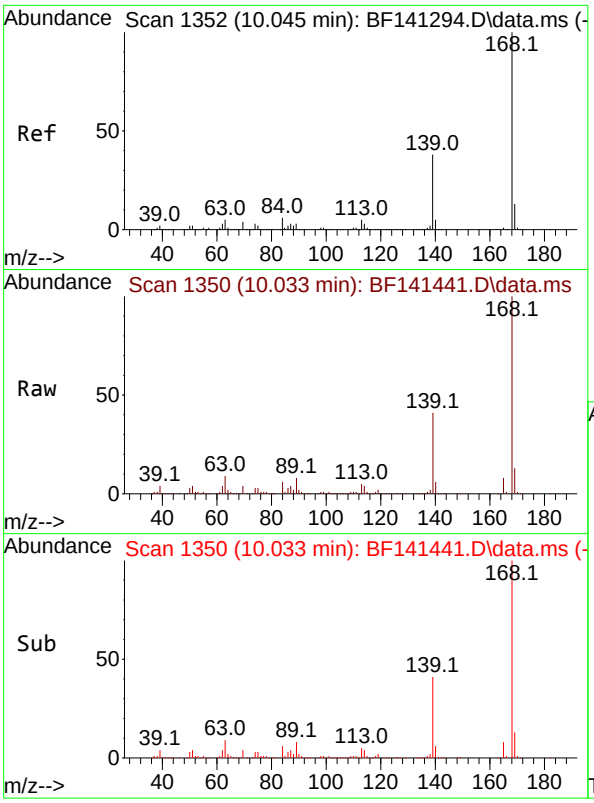


#54
2,4-Dinitrophenol
Concen: 109.971 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:184 Resp: 119325

Ion	Ratio	Lower	Upper
184	100		
63	71.6	54.1	81.1
154	71.0	50.7	76.1

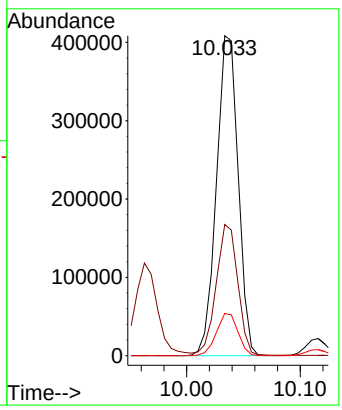




#55
Dibenzofuran
Concen: 44.777 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:168 Resp: 54231

Ion	Ratio	Lower	Upper
168	100		
139	41.0	30.6	46.0
169	13.2	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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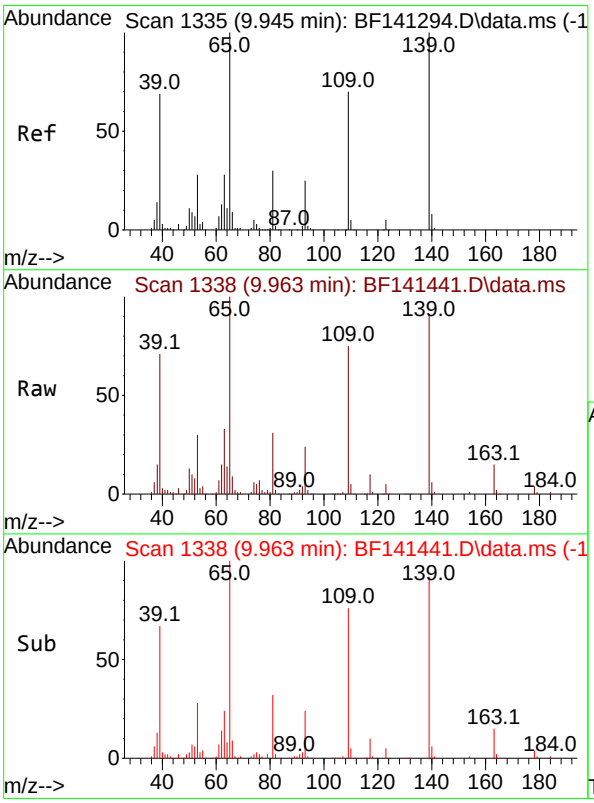
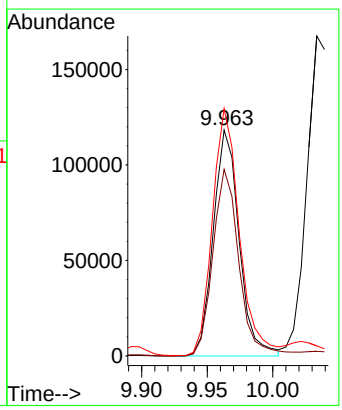
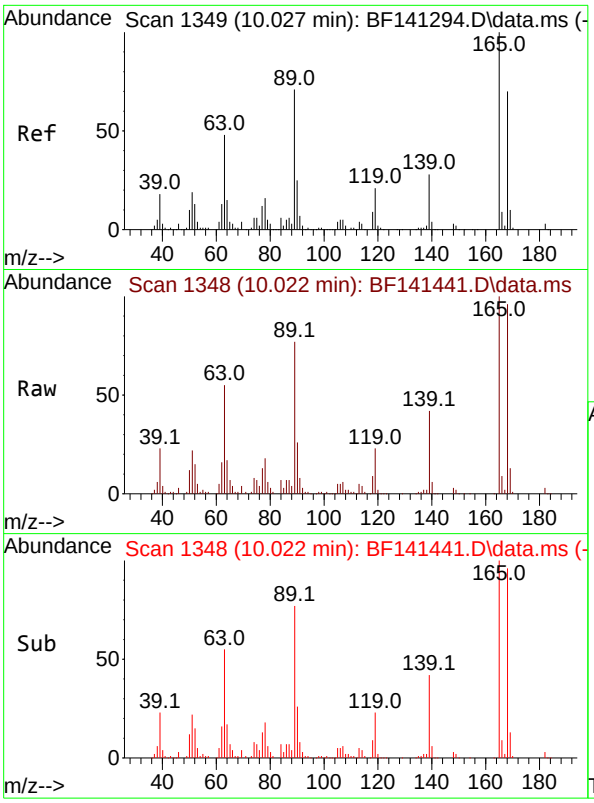


#56
4-Nitrophenol
Concen: 96.797 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:139 Resp: 161953

Ion	Ratio	Lower	Upper
139	100		
109	82.6	50.2	90.2
65	109.5	80.6	120.6

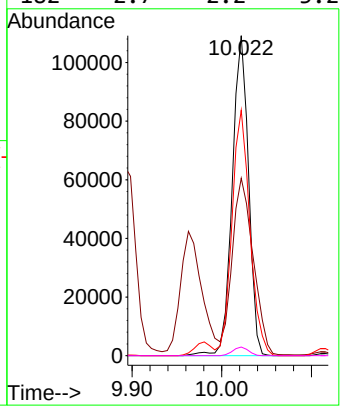




#57
2,4-Dinitrotoluene
Concen: 45.494 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:165 Resp: 13748

Ion	Ratio	Lower	Upper
165	100		
63	55.4	39.2	58.8
89	76.7	56.9	85.3
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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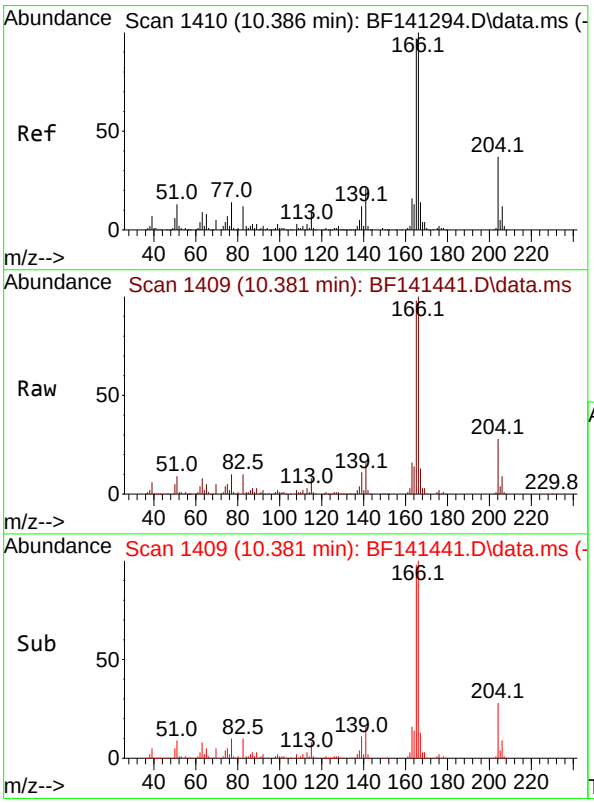
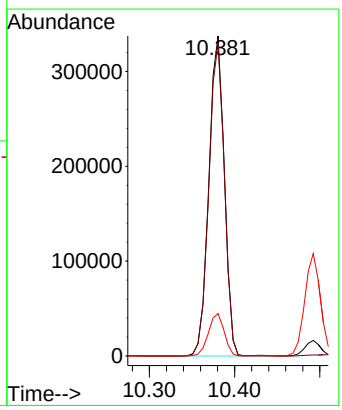
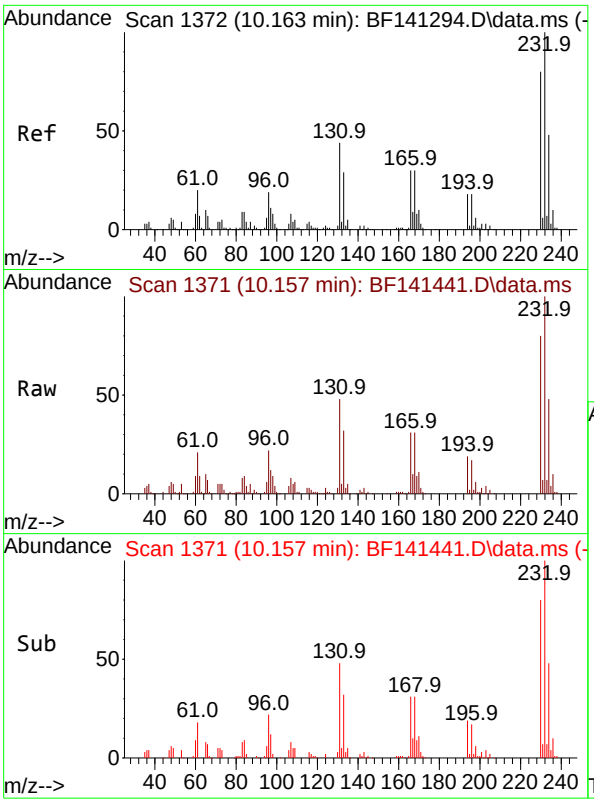


#58
Fluorene
Concen: 45.391 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:166 Resp: 426432

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.5	116.3
167	13.2	10.9	16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.999 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion:232 Resp: 11628

Ion	Ratio	Lower	Upper
232	100		
131	47.0	36.4	54.6
130	2.5	1.9	2.9
166	30.3	24.1	36.1

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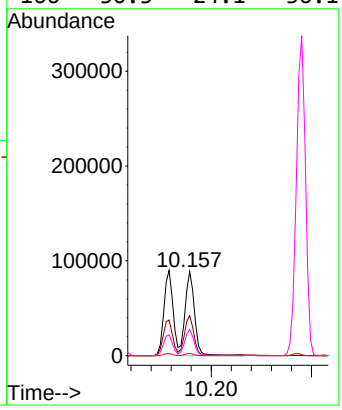
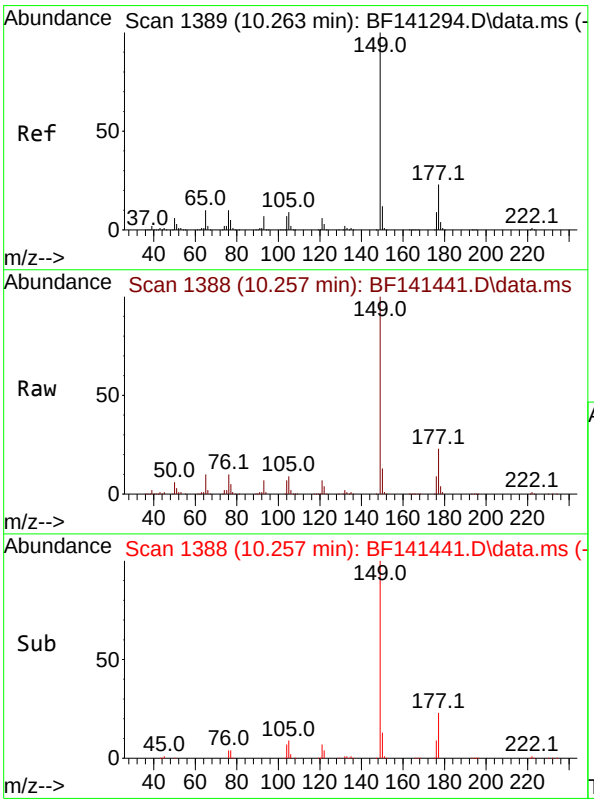
Supervised By :mohammad ahmed 02/06/2025

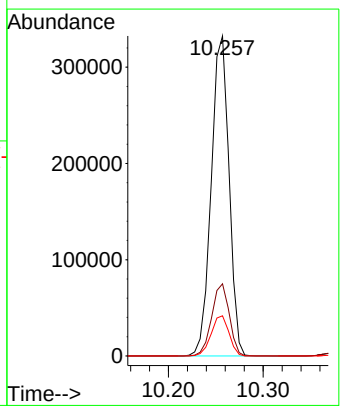


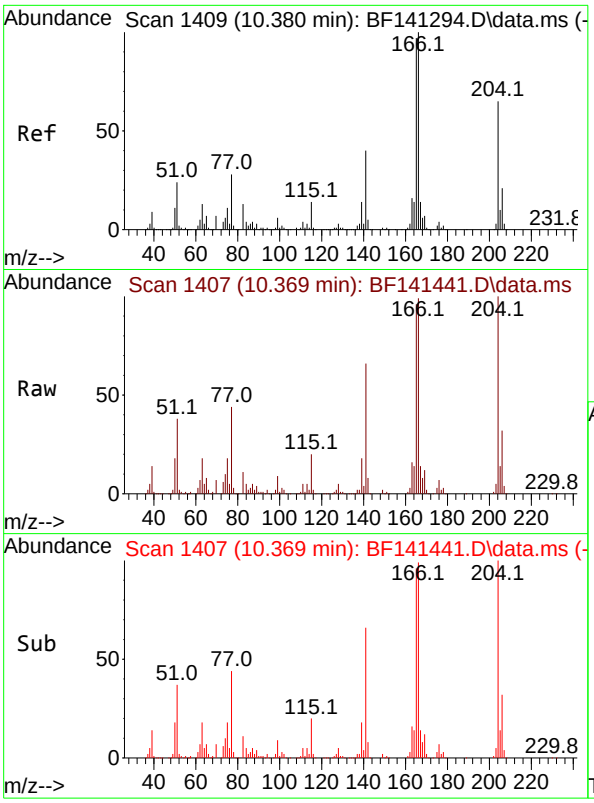


#60
Diethylphthalate
Concen: 44.397 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:149 Resp: 432760

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.5	27.7
150	12.6	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.496 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:204 Resp: 20878

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.9	38.9
141	65.7	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
PB166418BS

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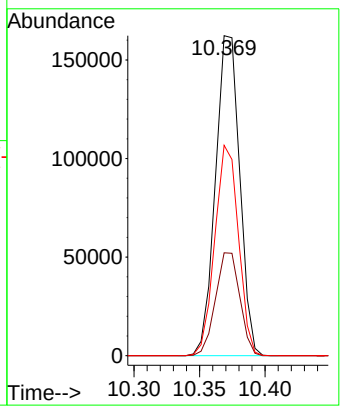
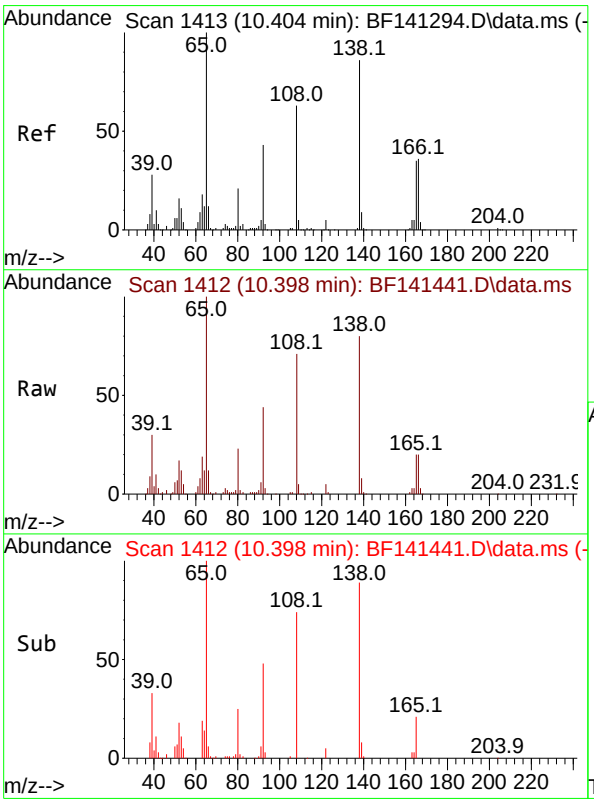
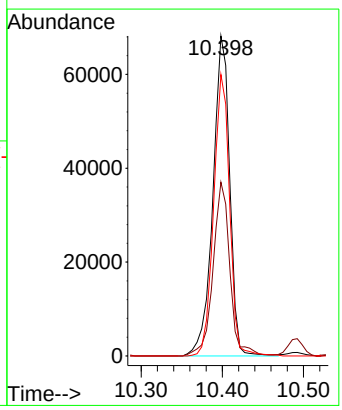


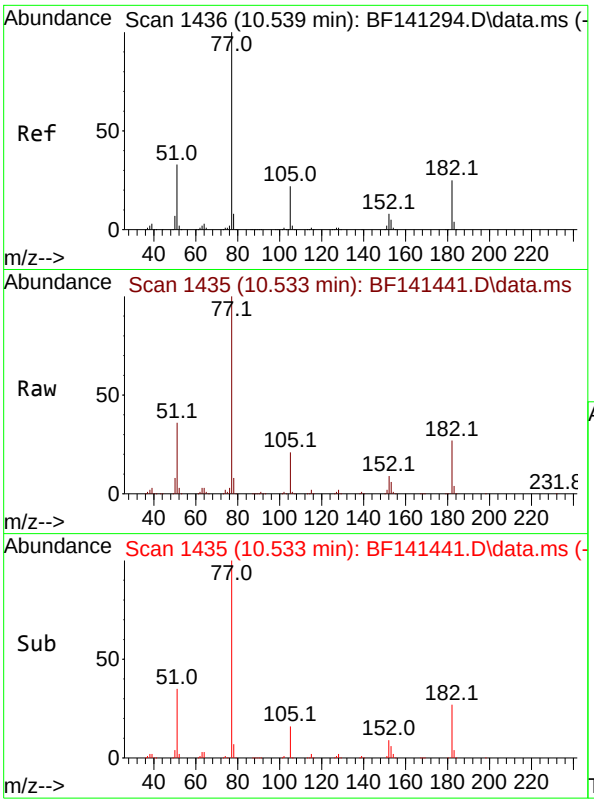


#62
4-Nitroaniline
Concen: 43.732 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:138 Resp: 98361

Ion	Ratio	Lower	Upper
138	100		
92	54.3	30.1	70.1
108	88.0	53.1	93.1

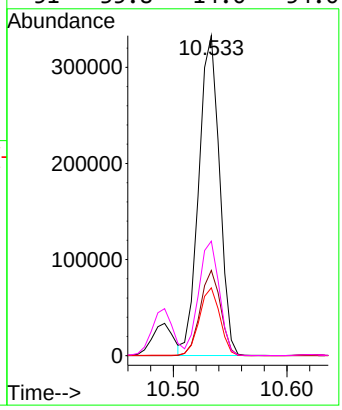




#63
Azobenzene
Concen: 43.226 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 77 Resp: 42175

Ion	Ratio	Lower	Upper
77	100		
182	26.6	5.1	45.1
105	21.2	1.8	41.8
51	35.8	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
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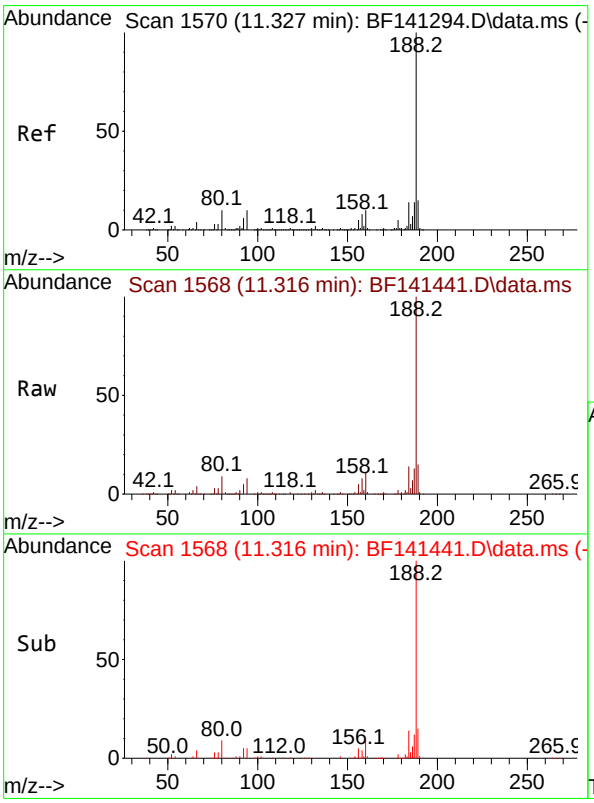
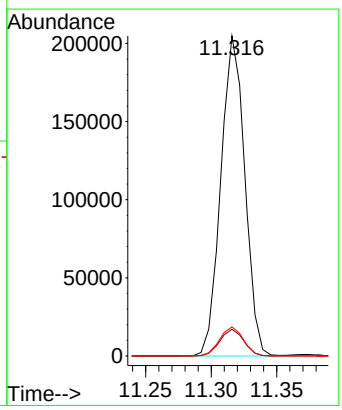
Supervised By :mohammad ahmed 02/06/2025

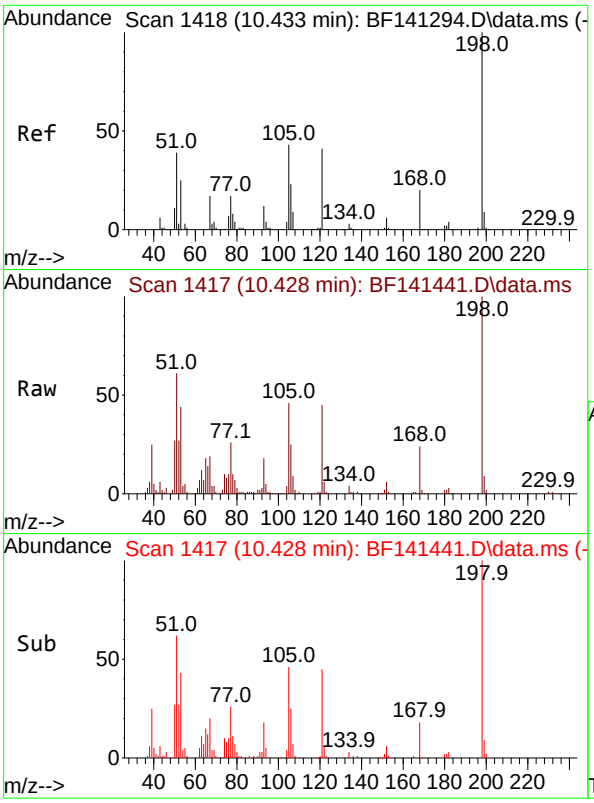


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:188 Resp: 260150

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.8	11.6
80	9.1	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 51.220 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:198 Resp: 7881

Ion	Ratio	Lower	Upper
198	100		
51	61.4	33.4	73.4
105	45.7	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
PB166418BS

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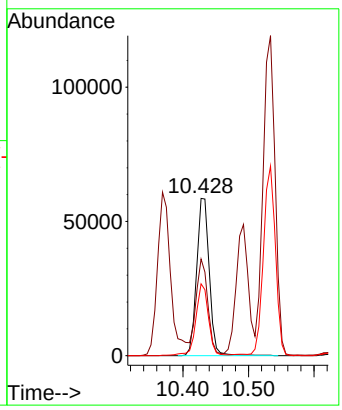
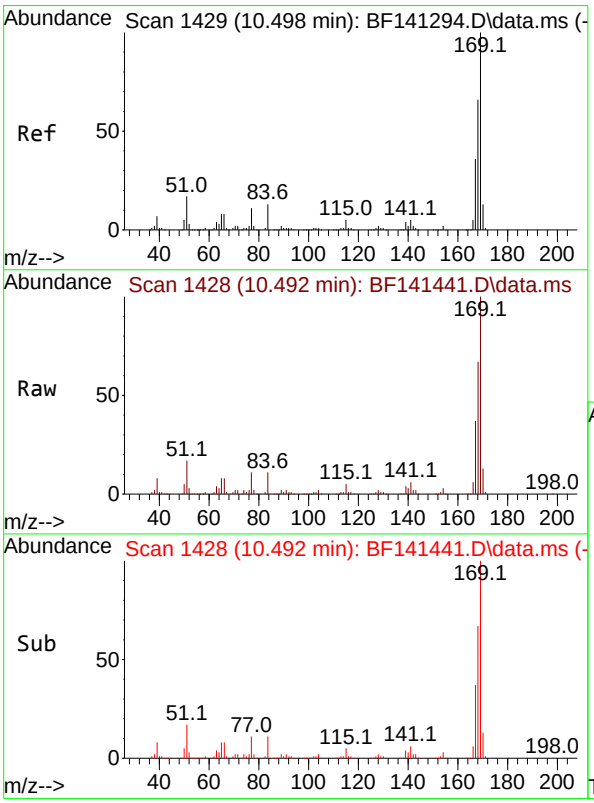
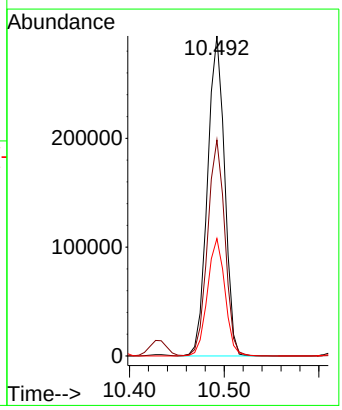


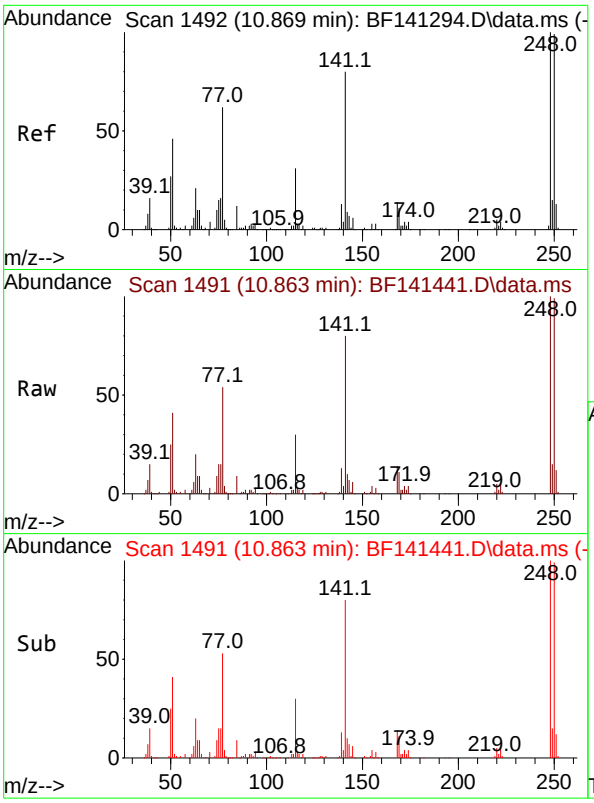


#66
n-Nitrosodiphenylamine
Concen: 43.776 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:169 Resp: 368342

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.4
167	36.7	28.8	43.2

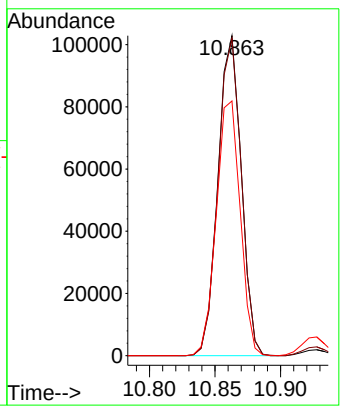




#67
4-Bromophenyl-phenylether
Concen: 43.635 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:248 Resp: 12708

Ion	Ratio	Lower	Upper
248	100		
250	99.2	79.0	118.4
141	79.6	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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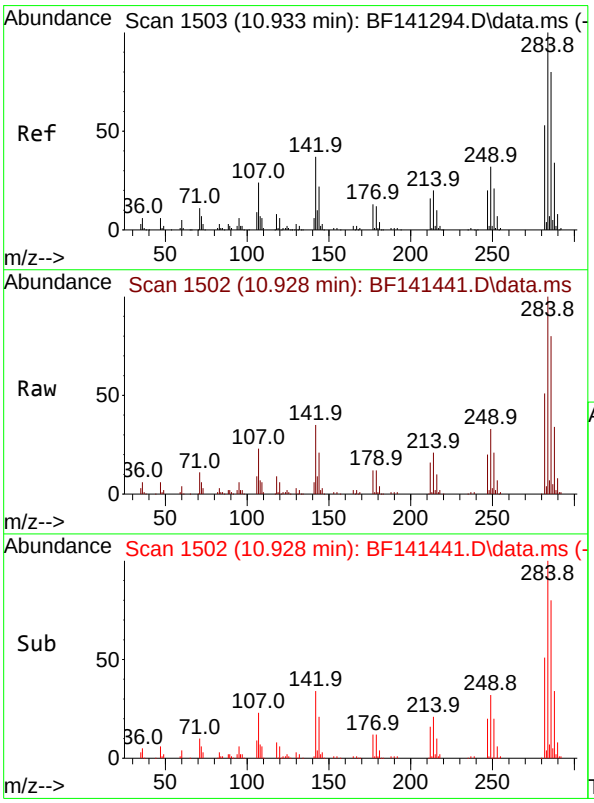
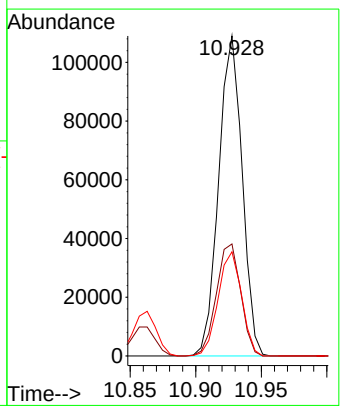
Supervised By :mohammad ahmed 02/06/2025

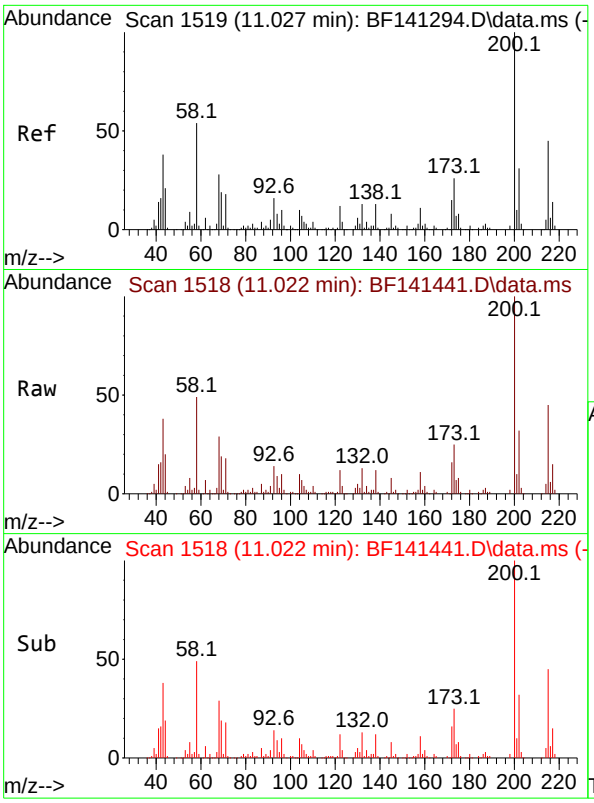


#68
Hexachlorobenzene
Concen: 43.921 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:284 Resp: 135690

Ion	Ratio	Lower	Upper
284	100		
142	35.0	29.5	44.3
249	32.5	25.4	38.2

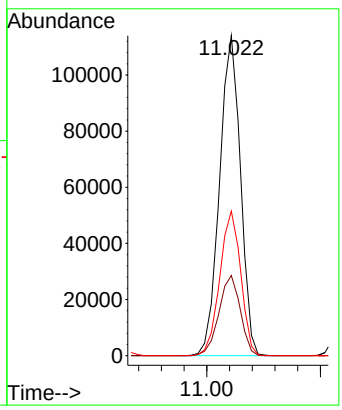




#69
Atrazine
Concen: 51.878 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:200 Resp: 14594

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.9	45.9
215	45.2	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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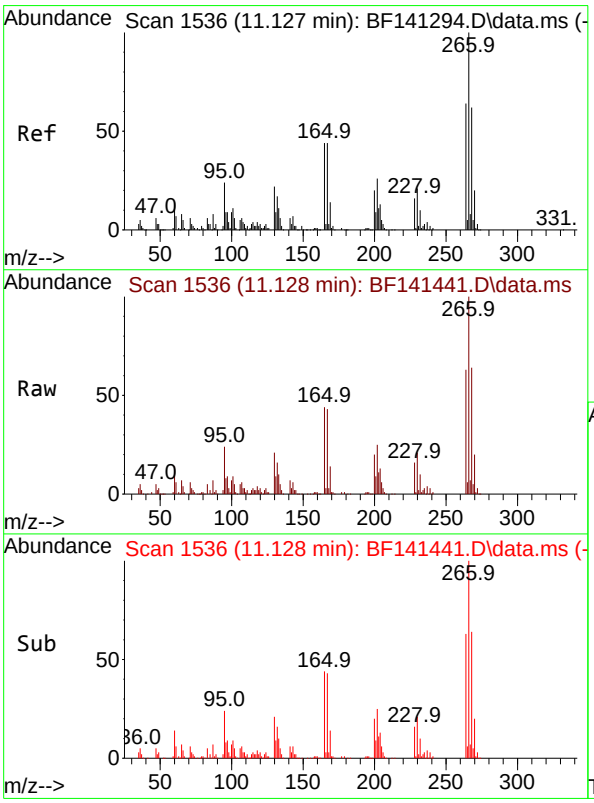
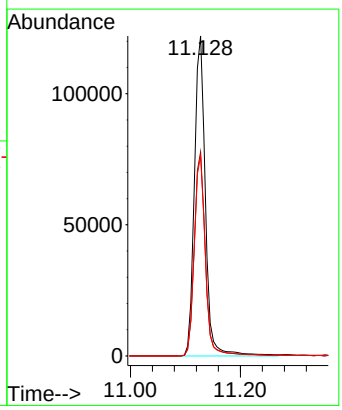
Supervised By :mohammad ahmed 02/06/2025

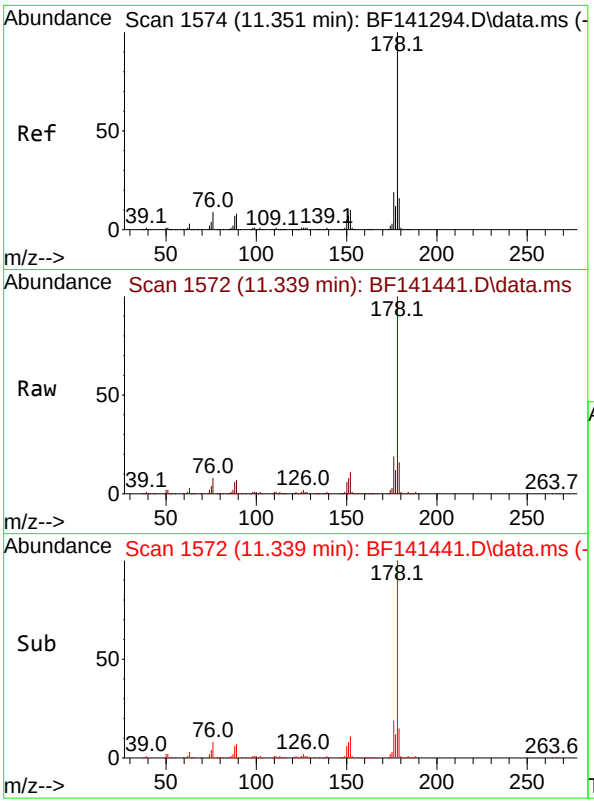


#70
Pentachlorophenol
Concen: 93.804 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:266 Resp: 169701

Ion	Ratio	Lower	Upper
266	100		
268	63.8	49.9	74.9
264	62.6	51.0	76.4





#71
Phenanthrene
Concen: 46.412 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:178 Resp: 64903

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.5	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
PB166418BS

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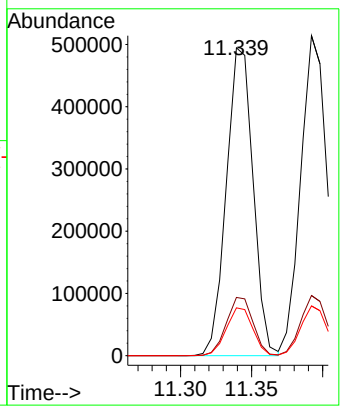
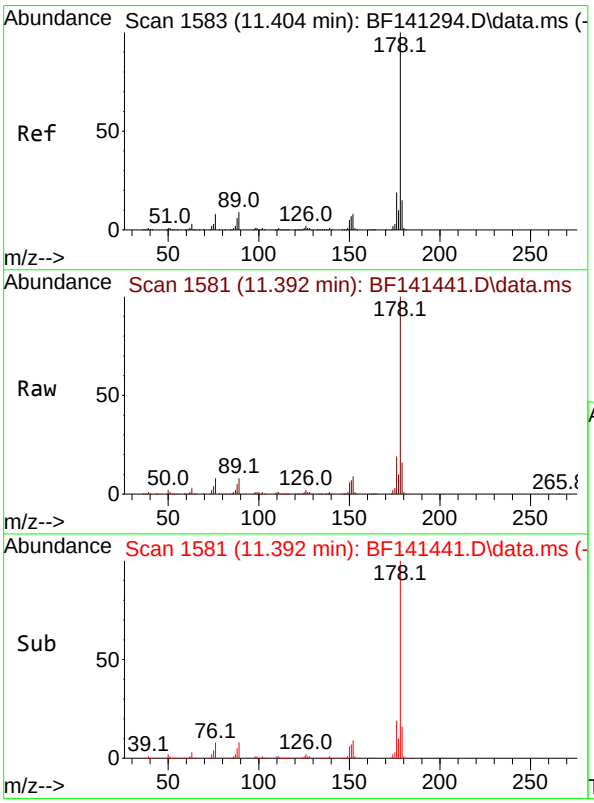
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

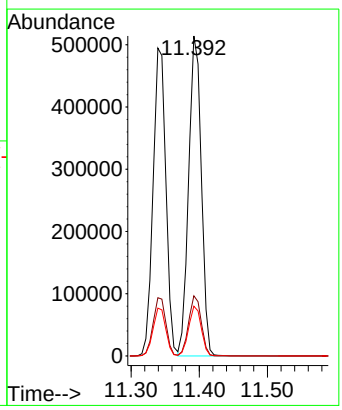


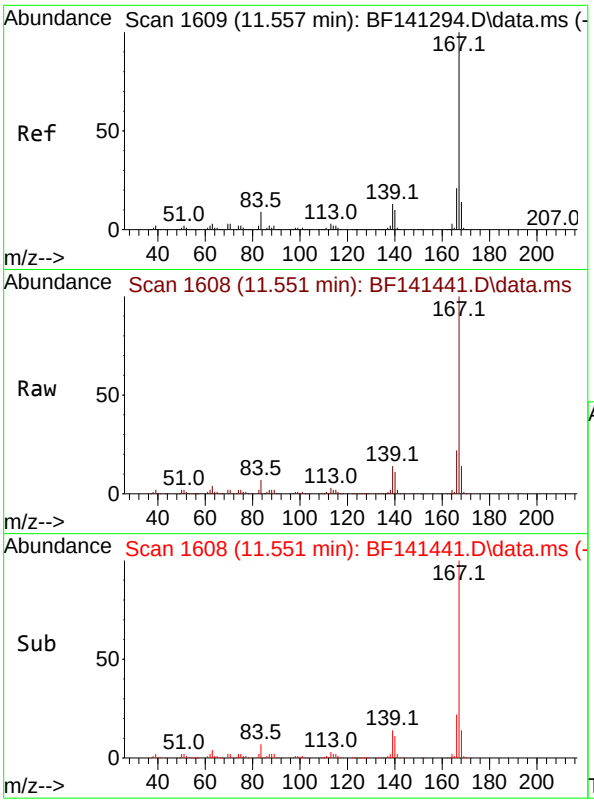


#72
Anthracene
Concen: 48.054 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:178 Resp: 658430

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.6	12.3	18.5

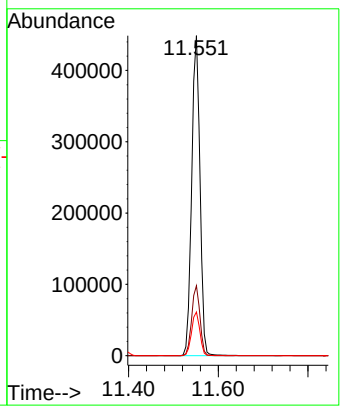




#73
Carbazole
Concen: 47.219 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:167 Resp: 57370

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	13.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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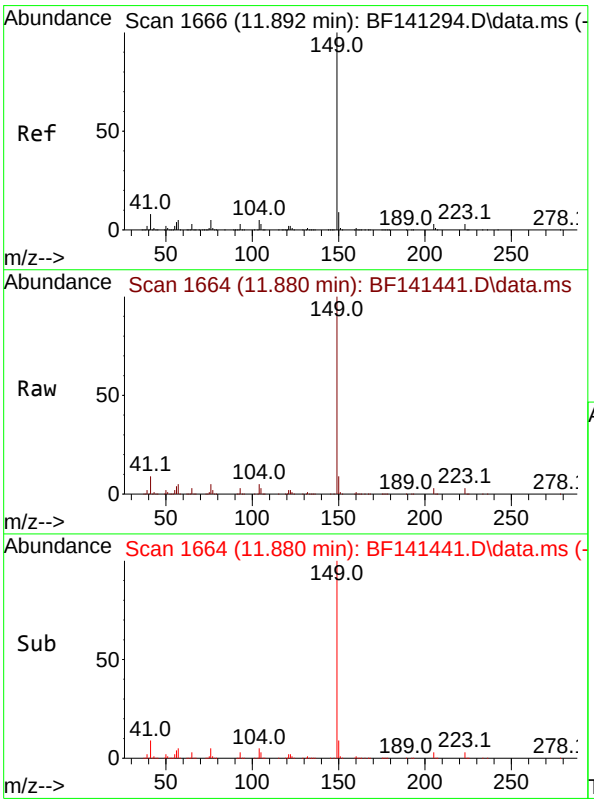
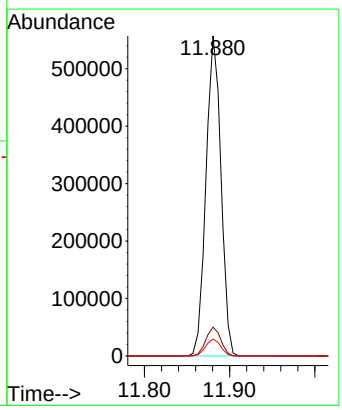
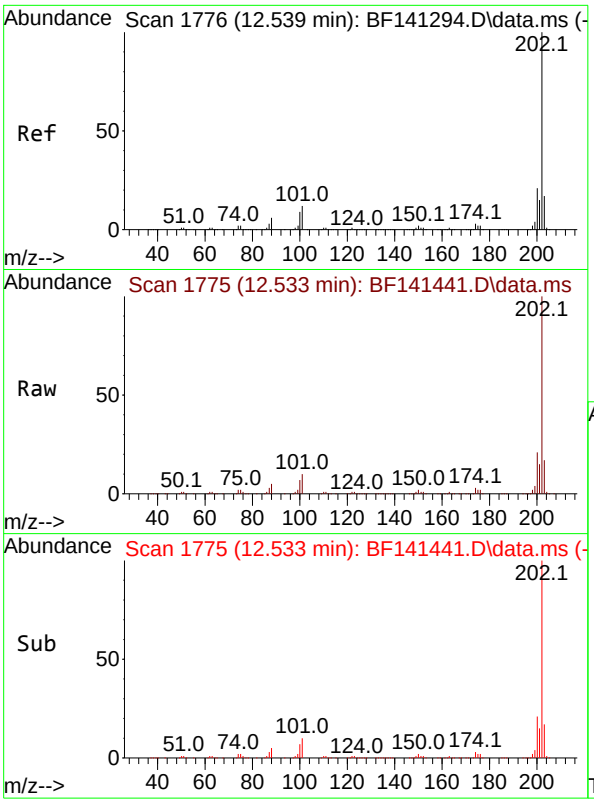


#74
Di-n-butylphthalate
Concen: 46.089 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:149 Resp: 678626

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	5.3	3.9	5.9





#75
Fluoranthene
Concen: 49.069 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:202 Resp: 67753

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.7
203	17.3	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
PB166418BS

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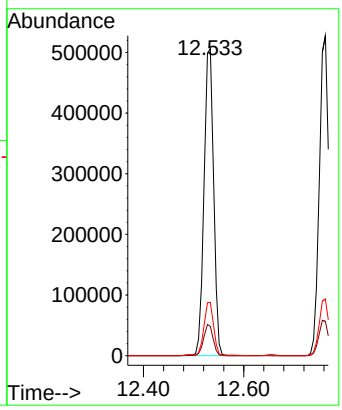
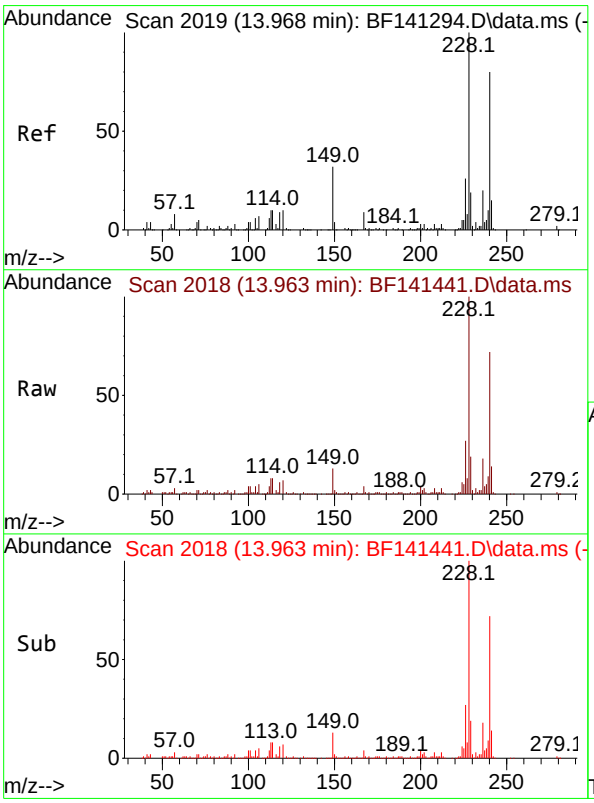
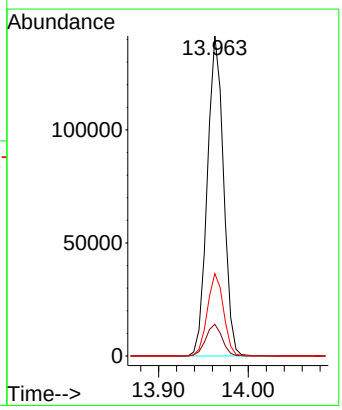


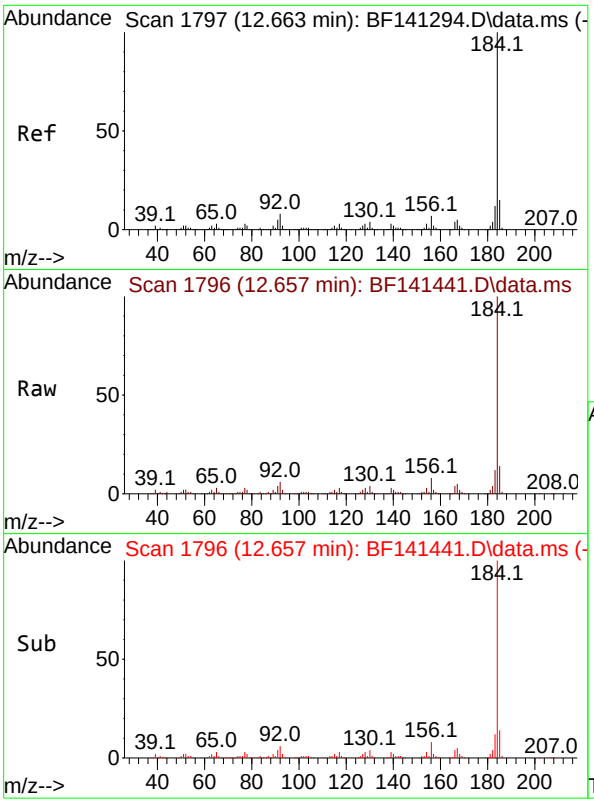


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:240 Resp: 177509

Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.0	15.0#
236	25.7	19.7	29.5

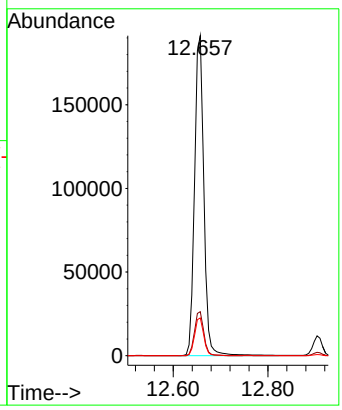




#77
Benzidine
Concen: 45.887 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:184 Resp: 26113

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.9	17.9
183	11.8	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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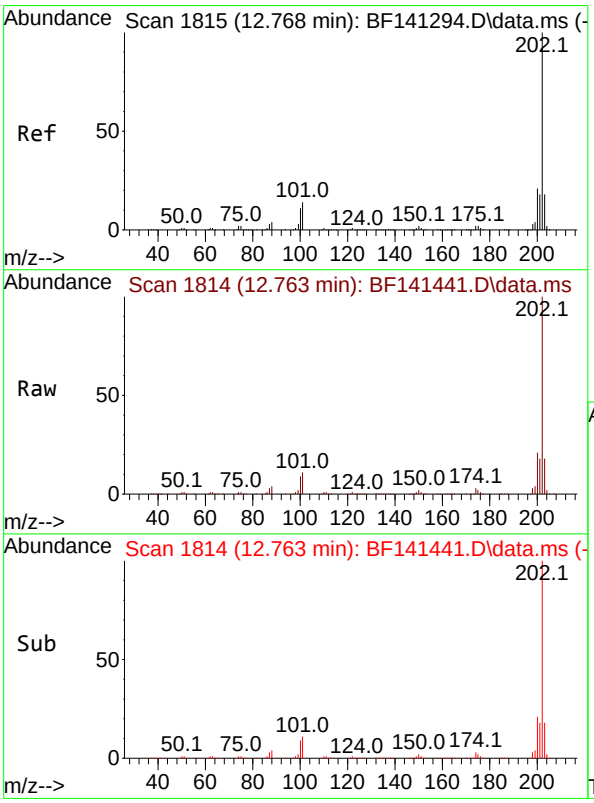
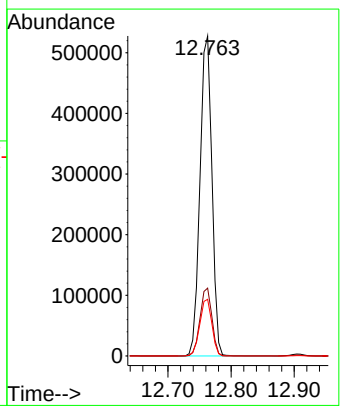
Supervised By :mohammad ahmed 02/06/2025

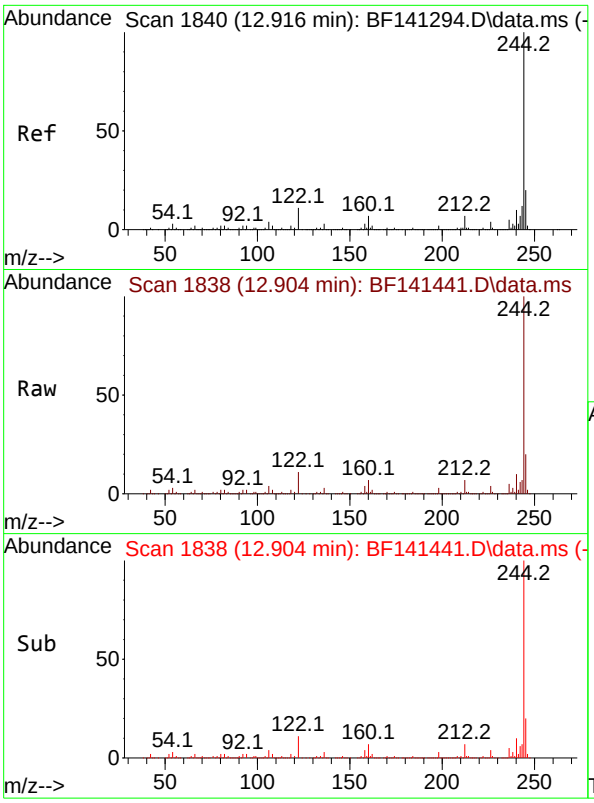


#78
Pyrene
Concen: 40.702 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:202 Resp: 693521

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5

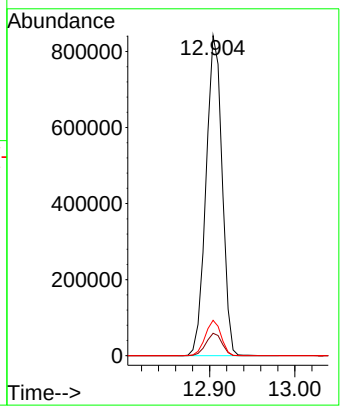




#79
Terphenyl-d14
Concen: 96.100 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:244 Resp: 110613

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.1	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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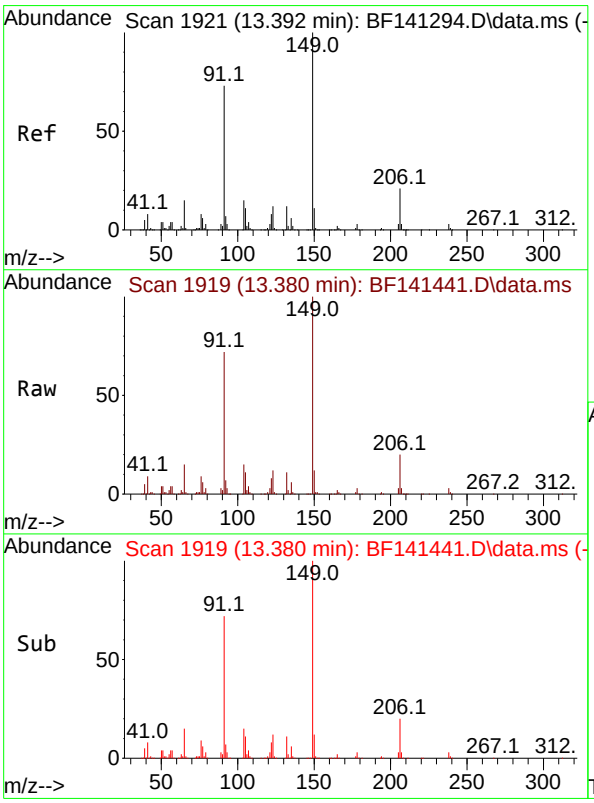
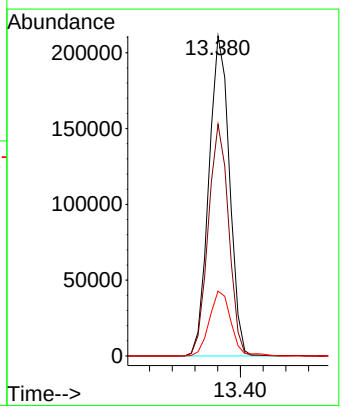
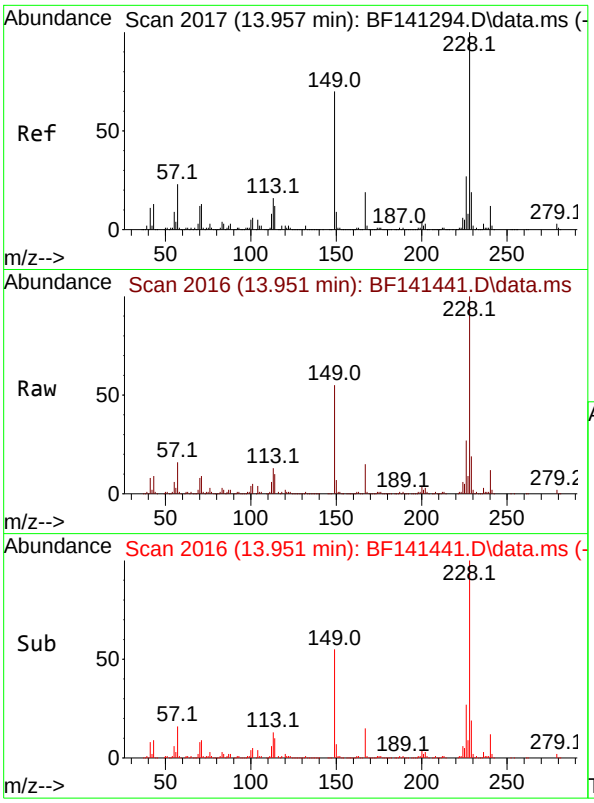


#80
Butylbenzylphthalate
Concen: 44.766 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:149 Resp: 266479

Ion	Ratio	Lower	Upper
149	100		
91	72.4	58.6	87.8
206	20.2	16.7	25.1





#81
Benzo(a)anthracene
Concen: 44.478 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion:228 Resp: 54482

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	19.5	15.5	23.3

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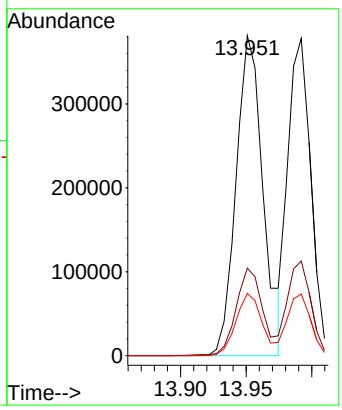
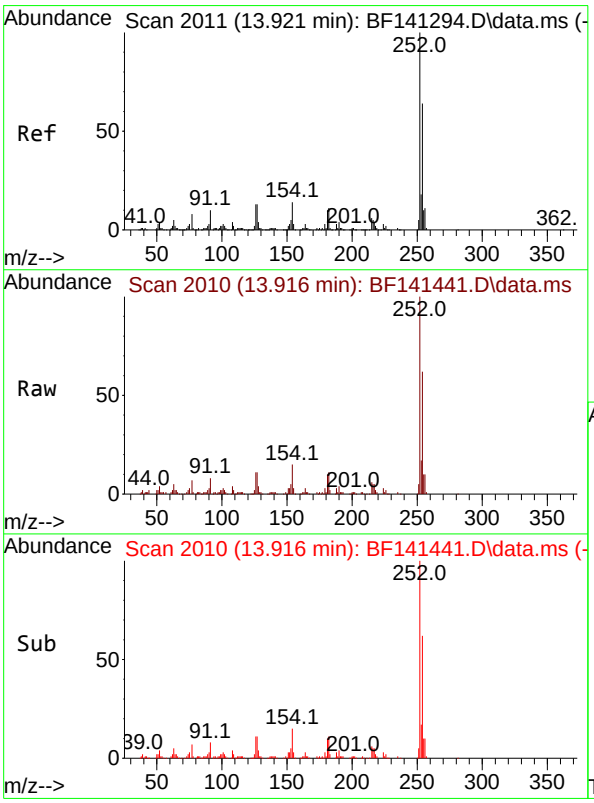
Supervised By :mohammad ahmed 02/06/2025

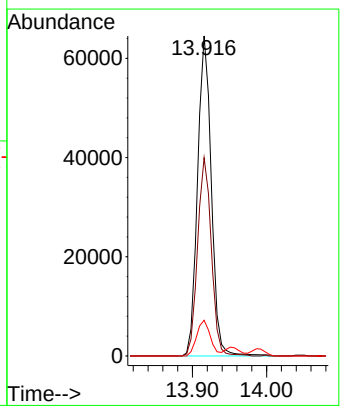


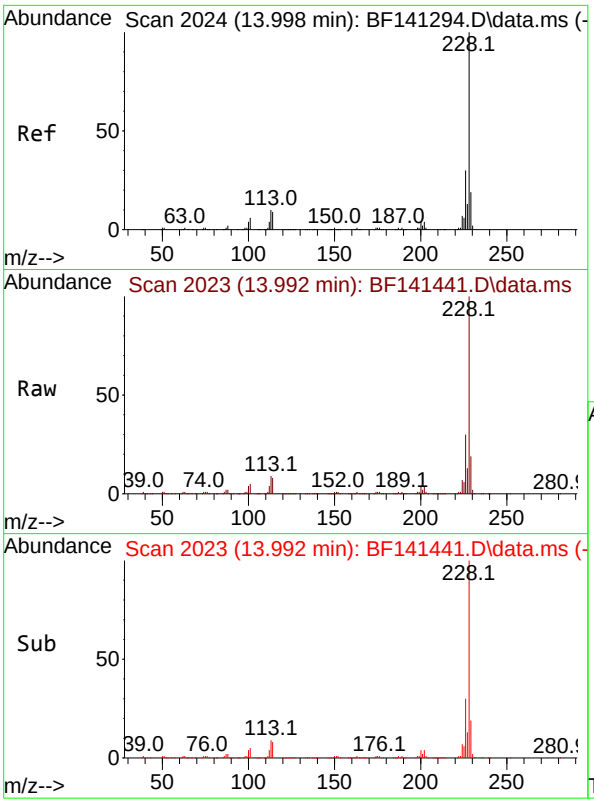


#82
3,3'-Dichlorobenzidine
Concen: 21.318 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:252 Resp: 83051

Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.3	76.9
126	11.1	10.0	15.0

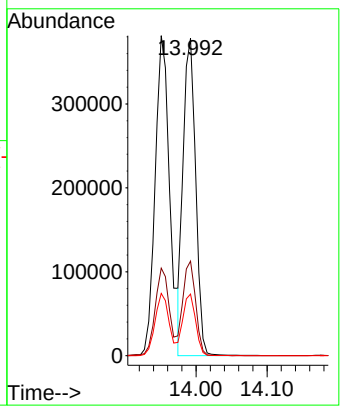




#83
Chrysene
Concen: 40.990 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:228 Resp: 46014

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
PB166418BS

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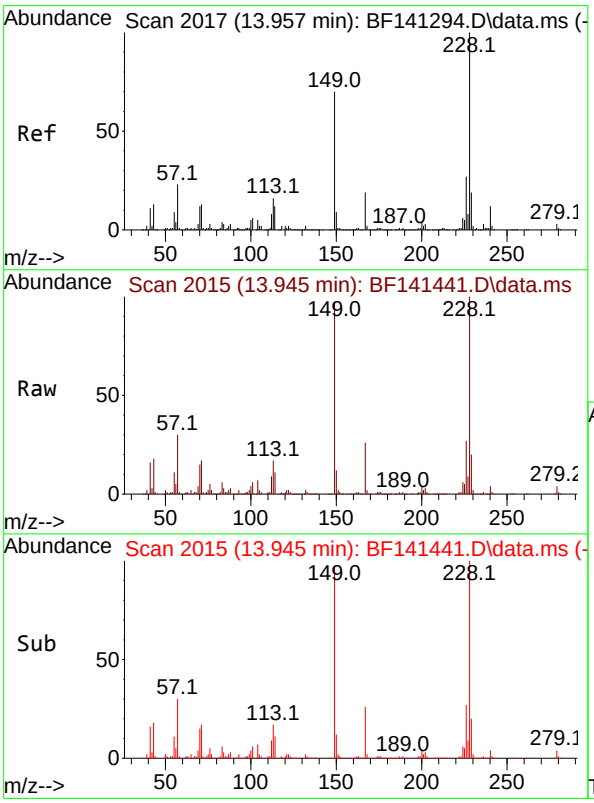
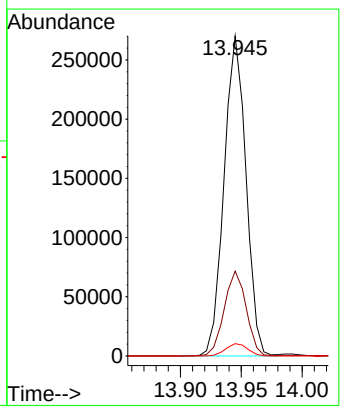
Supervised By :mohammad ahmed 02/06/2025

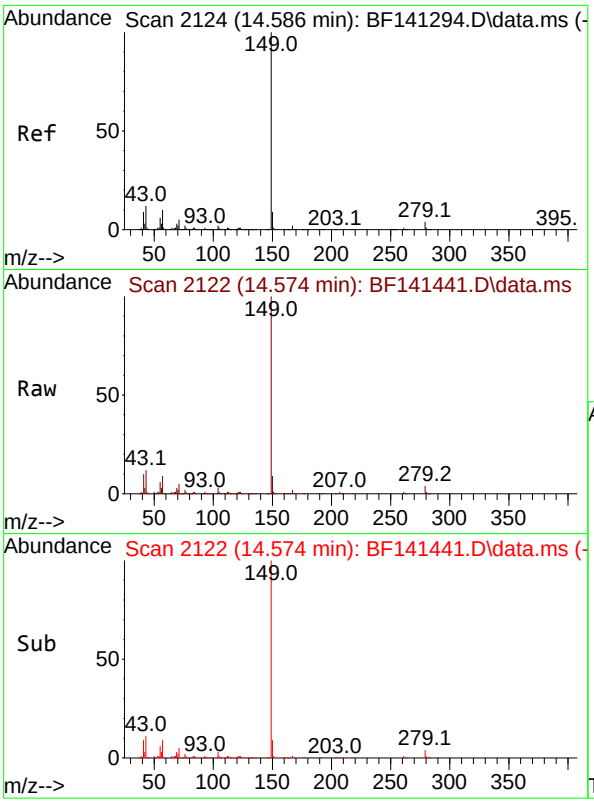


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.864 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:149 Resp: 338779

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 41.422 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

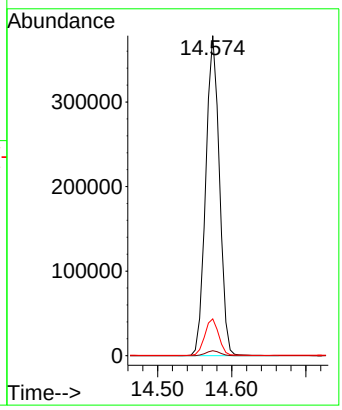
Tgt Ion:149 Resp: 48581

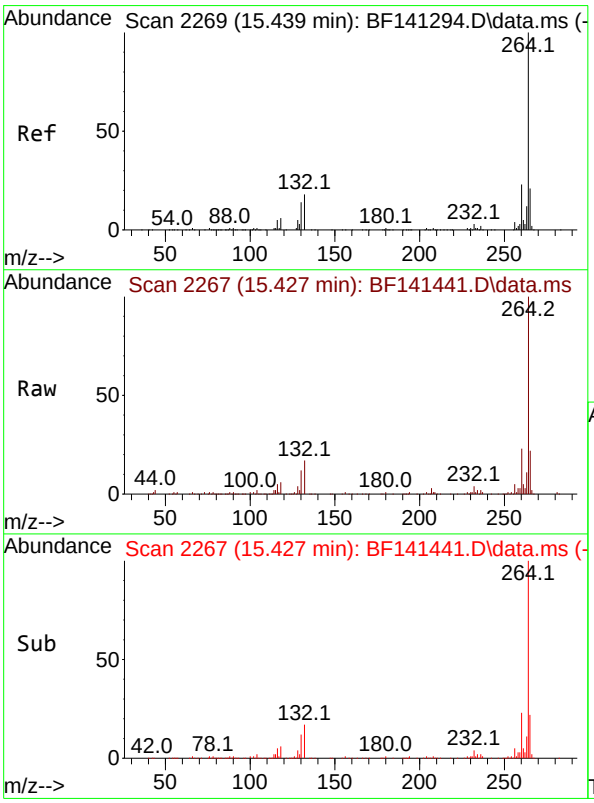
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.6	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

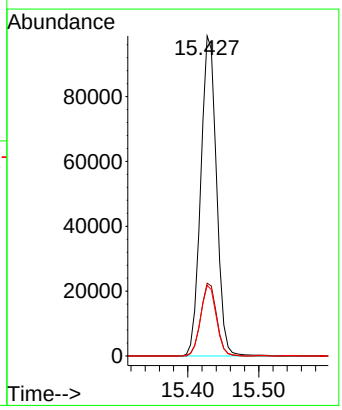


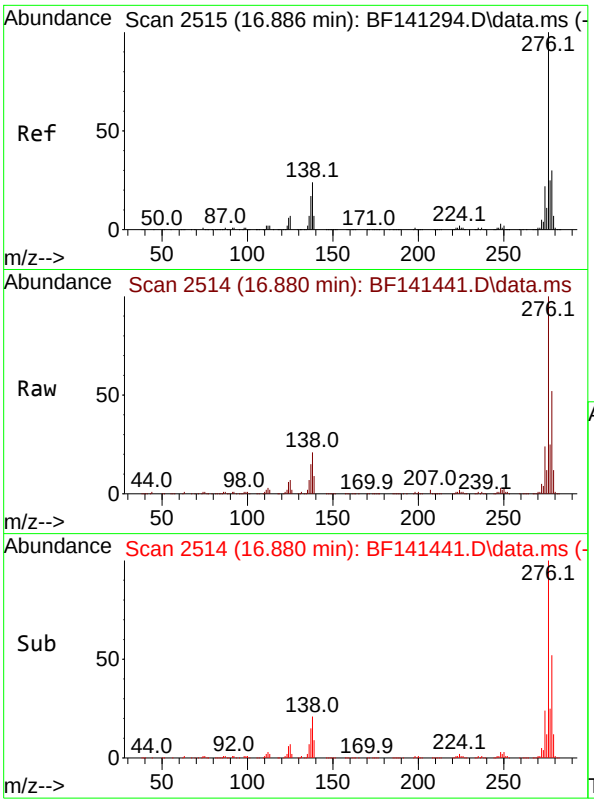


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:264 Resp: 152303

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	22.0	16.7	25.1

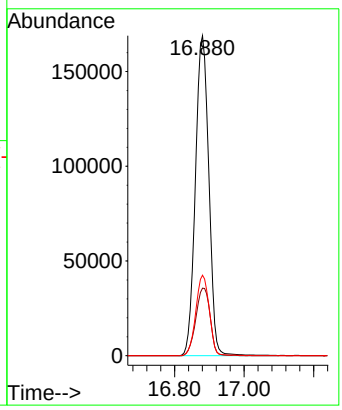




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.023 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:276 Resp: 45241

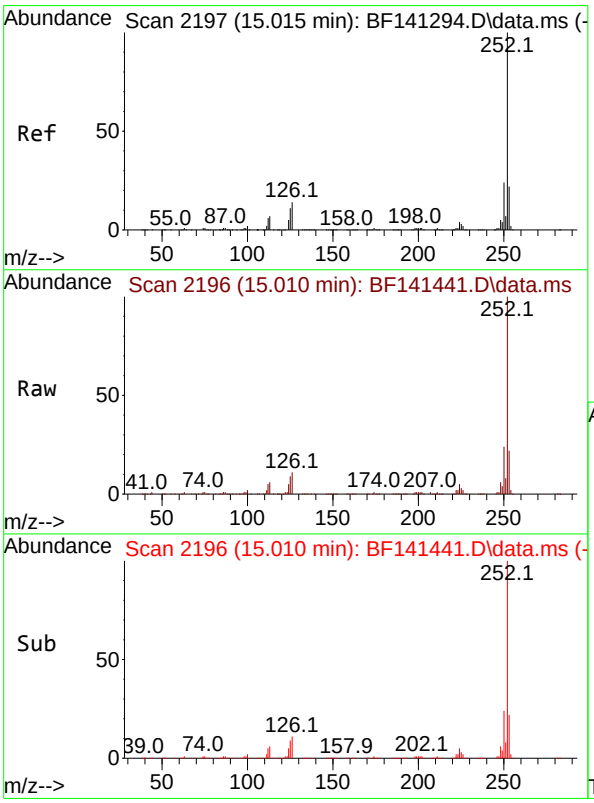
Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.7	32.5
277	25.3	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
APPROVED

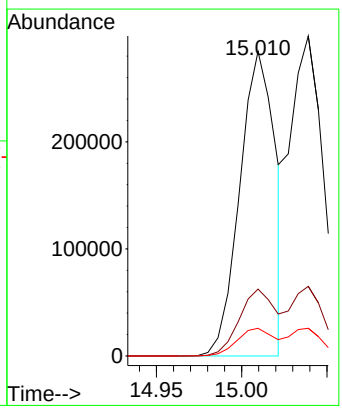
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

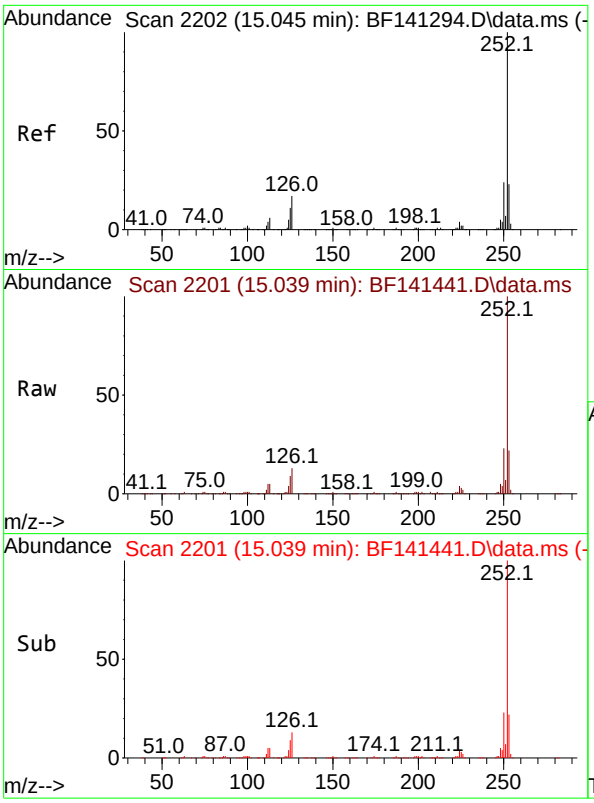


#88
Benzo(b)fluoranthene
Concen: 42.892 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:252 Resp: 410915

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	9.1	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 47.796 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

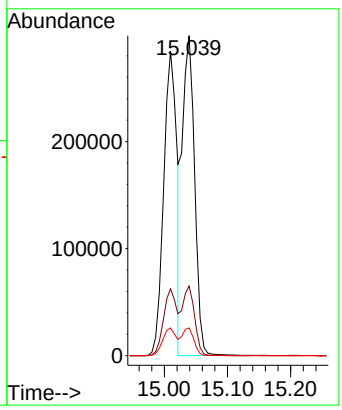
Tgt Ion:252 Resp: 40564

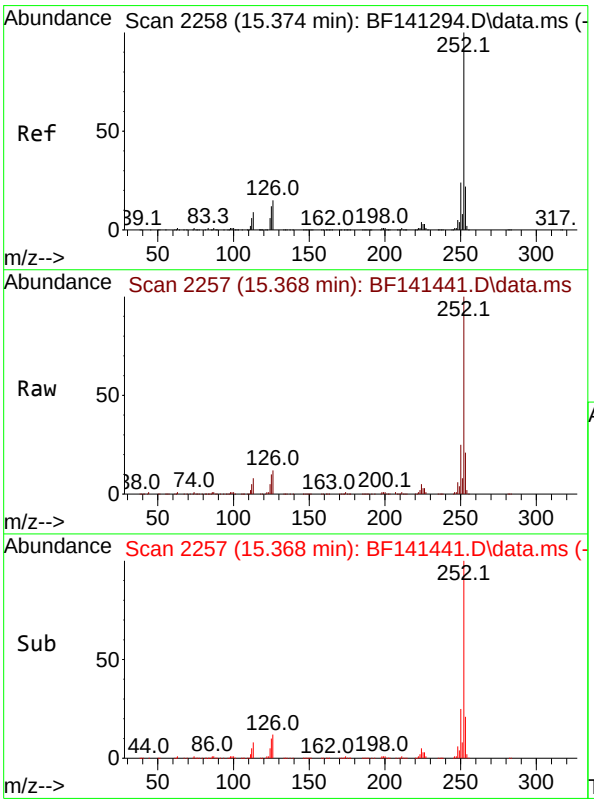
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.7	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

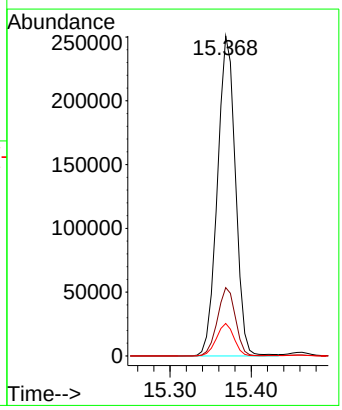


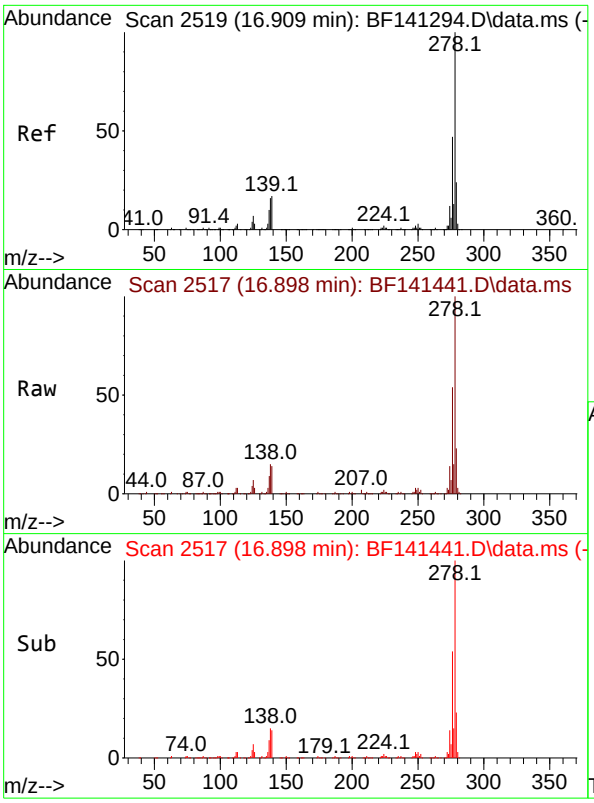


#90
Benzo(a)pyrene
Concen: 47.846 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:252 Resp: 387351

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.2	25.8
125	10.1	9.4	14.2

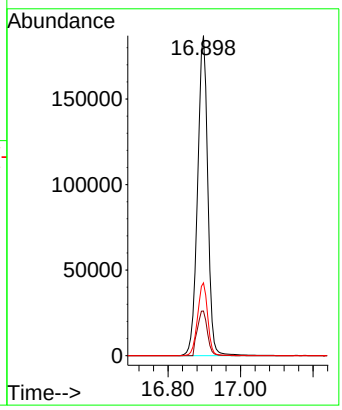




#91
Dibenzo(a,h)anthracene
Concen: 46.150 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:278 Resp: 36498

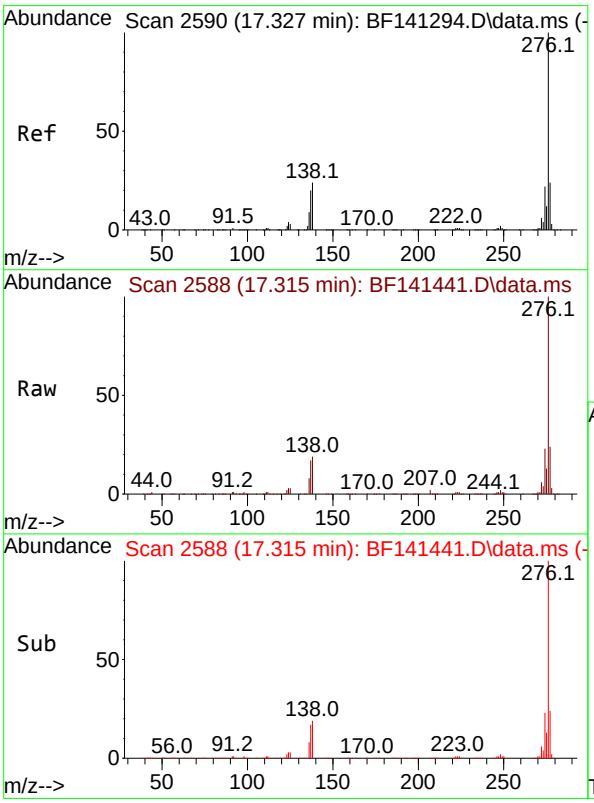
Ion	Ratio	Lower	Upper
278	100		
139	14.0	13.9	20.9
279	22.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB166418BS

Manual Integrations
APPROVED

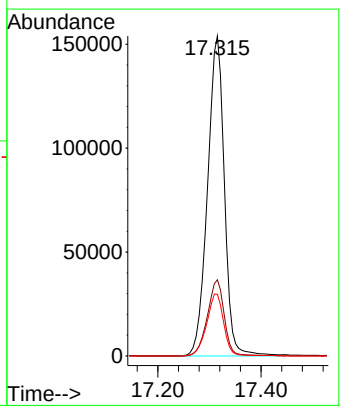
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 42.437 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.029 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:276 Resp: 348975

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	19.3	19.0	28.4



Raw Data: **BF141345.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MS	SDG No.:	Q1241
Lab Sample ID:	Q1239-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141345.D	1	01/31/25 10:20	01/31/25 21:23	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1000		130	230	ug/Kg
108-95-2	Phenol	880		58.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	900		59.2	120	ug/Kg
95-57-8	2-Chlorophenol	900		59.0	120	ug/Kg
95-48-7	2-Methylphenol	860		57.0	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	880		64.2	120	ug/Kg
98-86-2	Acetophenone	990		61.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	920		56.4	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	900		28.5	56.5	ug/Kg
67-72-1	Hexachloroethane	860		58.7	120	ug/Kg
98-95-3	Nitrobenzene	840		64.2	120	ug/Kg
78-59-1	Isophorone	900		59.8	120	ug/Kg
88-75-5	2-Nitrophenol	900		66.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		65.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		60.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	900		53.4	120	ug/Kg
91-20-3	Naphthalene	850		58.4	120	ug/Kg
106-47-8	4-Chloroaniline	210		58.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	840		58.9	120	ug/Kg
105-60-2	Caprolactam	990		61.3	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	870		54.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	840		58.3	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	E	110	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	920		50.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	890		52.3	120	ug/Kg
92-52-4	1,1-Biphenyl	990		61.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	850		58.9	120	ug/Kg
88-74-4	2-Nitroaniline	900		67.1	120	ug/Kg
131-11-3	Dimethylphthalate	910		57.7	120	ug/Kg

Raw Data: **BF141345.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MS	SDG No.:	Q1241
Lab Sample ID:	Q1239-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141345.D	1	01/31/25 10:20	01/31/25 21:23	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		61.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	860		58.8	120	ug/Kg
99-09-2	3-Nitroaniline	530		63.0	120	ug/Kg
83-32-9	Acenaphthene	980		57.3	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	170	230	ug/Kg
100-02-7	4-Nitrophenol	1600		82.0	230	ug/Kg
132-64-9	Dibenzofuran	870		59.6	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	880		60.9	120	ug/Kg
84-66-2	Diethylphthalate	900		56.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	850		60.5	120	ug/Kg
86-73-7	Fluorene	850		60.4	120	ug/Kg
100-01-6	4-Nitroaniline	800		75.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		82.7	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		57.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	970		55.8	120	ug/Kg
118-74-1	Hexachlorobenzene	940		60.1	120	ug/Kg
1912-24-9	Atrazine	1000		64.6	120	ug/Kg
87-86-5	Pentachlorophenol	1800		54.6	230	ug/Kg
85-01-8	Phenanthrene	940		59.4	120	ug/Kg
120-12-7	Anthracene	950		59.6	120	ug/Kg
86-74-8	Carbazole	850		56.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	960		59.6	120	ug/Kg
206-44-0	Fluoranthene	840		57.7	120	ug/Kg
129-00-0	Pyrene	740		58.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	860		68.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	670		69.7	230	ug/Kg
56-55-3	Benzo(a)anthracene	860		57.0	120	ug/Kg
218-01-9	Chrysene	910		56.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	890		64.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		77.7	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		57.3	120	ug/Kg

Raw Data: **BF141345.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MS	SDG No.:	Q1241
Lab Sample ID:	Q1239-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141345.D	1	01/31/25 10:20	01/31/25 21:23	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	890		58.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	990		65.7	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	720		55.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	730		57.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	640		56.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	960		61.3	120	ug/Kg
123-91-1	1,4-Dioxane	900		77.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	930		52.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.0		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	78.3		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.3		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.2		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.6		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	46.0		10 - 105	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	6.798			
1146-65-2	Naphthalene-d8	602000	8.08			
15067-26-2	Acenaphthene-d10	314000	9.839			
1517-22-2	Phenanthrene-d10	473000	11.321			
1719-03-5	Chrysene-d12	293000	13.968			
1520-96-3	Perylene-d12	308000	15.427			

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

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

Sample Results: **BF141345.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141345.D
Acq On : 31 Jan 2025 21:23
Operator : RC/JU
Sample : Q1239-10MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 31 22:32:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	151192	20.000	ng		0.00
21) Naphthalene-d8	8.080	136	601644	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	313664	20.000	ng		0.00
64) Phenanthrene-d10	11.321	188	473142	20.000	ng		0.00
76) Chrysene-d12	13.968	240	293043	20.000	ng		0.00
86) Perylene-d12	15.427	264	307605	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	787627	79.976	ng		0.01
7) Phenol-d6	6.439	99	981320	78.328	ng		0.00
23) Nitrobenzene-d5	7.363	82	619406	54.273	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	231727	80.585	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1083777	53.182	ng		0.00
79) Terphenyl-d14	12.910	244	874602	46.027	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.575	88	165733	38.264	ng		99
3) Pyridine	3.298	79	384595	36.854	ng		99
4) n-Nitrosodimethylamine	3.245	42	227306	38.129	ng		99
6) Aniline	6.463	93	336670	31.746	ng	#	45
8) 2-Chlorophenol	6.592	128	404289	38.301	ng		96
9) Benzaldehyde	6.351	77	317142	43.702	ng		98
10) Phenol	6.457	94	493779	37.180	ng	#	74
11) bis(2-Chloroethyl)ether	6.533	93	388205	38.123	ng		98
12) 1,3-Dichlorobenzene	6.739	146	414966	35.654	ng		99
13) 1,4-Dichlorobenzene	6.816	146	424165	36.277	ng		99
14) 1,2-Dichlorobenzene	6.969	146	404969	36.989	ng		99
15) Benzyl Alcohol	6.945	79	346393	40.458	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	658459	37.186	ng		60
17) 2-Methylphenol	7.069	107	314785	36.693	ng	#	89
18) Hexachloroethane	7.310	117	157921	36.612	ng		98
19) n-Nitroso-di-n-propyla...	7.216	70	283547	38.089	ng		97
20) 3+4-Methylphenols	7.222	107	411800	39.094	ng	#	74
22) Acetophenone	7.210	105	603872	42.226	ng	#	95
24) Nitrobenzene	7.380	77	423464	35.804	ng		100
25) Isophorone	7.622	82	750009	38.017	ng		99
26) 2-Nitrophenol	7.698	139	213106	38.205	ng		100
27) 2,4-Dimethylphenol	7.745	122	341777m	48.140	ng		
28) bis(2-Chloroethoxy)met...	7.833	93	471410	37.461	ng		99
29) 2,4-Dichlorophenol	7.951	162	330540	38.030	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	346729	34.931	ng		100
31) Naphthalene	8.104	128	1142619	35.950	ng		100
32) Benzoic acid	7.869	122	268361	41.118	ng		99
33) 4-Chloroaniline	8.151	127	94625	8.780	ng		99
34) Hexachlorobutadiene	8.222	225	207482	35.644	ng		99
35) Caprolactam	8.522	113	119199m	41.992	ng		
36) 4-Chloro-3-methylphenol	8.651	107	344306	36.931	ng		99
37) 2-Methylnaphthalene	8.792	142	719070	35.596	ng		99
38) 1-Methylnaphthalene	8.892	142	691309	34.838	ng		99
40) 1,2,4,5-Tetrachloroben...	8.963	216	364026	40.795	ng		98
41) Hexachlorocyclopentadiene	8.945	237	361996	137.363	ng		99
43) 2,4,6-Trichlorophenol	9.074	196	226989	38.863	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141345.D
Acq On : 31 Jan 2025 21:23
Operator : RC/JU
Sample : Q1239-10MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 31 22:32:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	239509	37.677	ng	98
46) 1,1'-Biphenyl	9.257	154	1024211	41.869	ng	100
47) 2-Chloronaphthalene	9.280	162	688178	36.093	ng	99
48) 2-Nitroaniline	9.380	65	229753	38.310	ng	97
49) Acenaphthylene	9.698	152	1062919	39.825	ng	99
50) Dimethylphthalate	9.563	163	818537	38.638	ng	99
51) 2,6-Dinitrotoluene	9.621	165	179980	36.590	ng	99
52) Acenaphthene	9.869	154	791404	41.505	ng	100
53) 3-Nitroaniline	9.792	138	109113	22.633	ng	100
54) 2,4-Dinitrophenol	9.904	184	212958	93.135	ng	99
55) Dibenzofuran	10.045	168	939171	36.797	ng	99
56) 4-Nitrophenol	9.974	139	239854	68.029	ng	96
57) 2,4-Dinitrotoluene	10.027	165	236895	37.198	ng	98
58) Fluorene	10.386	166	712526	35.991	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	196384	39.268	ng	100
60) Diethylphthalate	10.263	149	784853	38.209	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	349993	36.192	ng	100
62) 4-Nitroaniline	10.410	138	161854	34.148	ng	100
63) Azobenzene	10.539	77	851960	41.435	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	132221	47.245	ng	98
66) n-Nitrosodiphenylamine	10.498	169	642080	41.957	ng	100
67) 4-Bromophenyl-phenylether	10.868	248	217834	41.124	ng	98
68) Hexachlorobenzene	10.933	284	224609	39.975	ng	98
69) Atrazine	11.027	200	226664	44.300	ng	99
70) Pentachlorophenol	11.133	266	252064	76.609	ng	98
71) Phenanthrene	11.351	178	1014716	39.897	ng	99
72) Anthracene	11.404	178	1006998	40.409	ng	100
73) Carbazole	11.557	167	800284	36.217	ng	99
74) Di-n-butylphthalate	11.892	149	1086017	40.554	ng	100
75) Fluoranthene	12.539	202	898790	35.790	ng	100
77) Benzidine	12.662	184	354432	37.728	ng	99
78) Pyrene	12.768	202	887523	31.552	ng	100
80) Butylbenzylphthalate	13.392	149	358143	36.444	ng	99
81) Benzo(a)anthracene	13.957	228	736238	36.408	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	183871	28.589	ng	99
83) Chrysene	13.992	228	714615	38.560	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	472896	37.934	ng	99
85) Di-n-octyl phthalate	14.574	149	842065	43.490	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	608369	30.643	ng	99
88) Benzo(b)fluoranthene	15.004	252	827249	42.754	ng	99
89) Benzo(k)fluoranthene	15.033	252	648817	37.852	ng	100
90) Benzo(a)pyrene	15.368	252	688279	42.094	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	491983	30.801	ng	100
92) Benzo(g,h,i)perylene	17.309	276	450156	27.104	ng	99

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

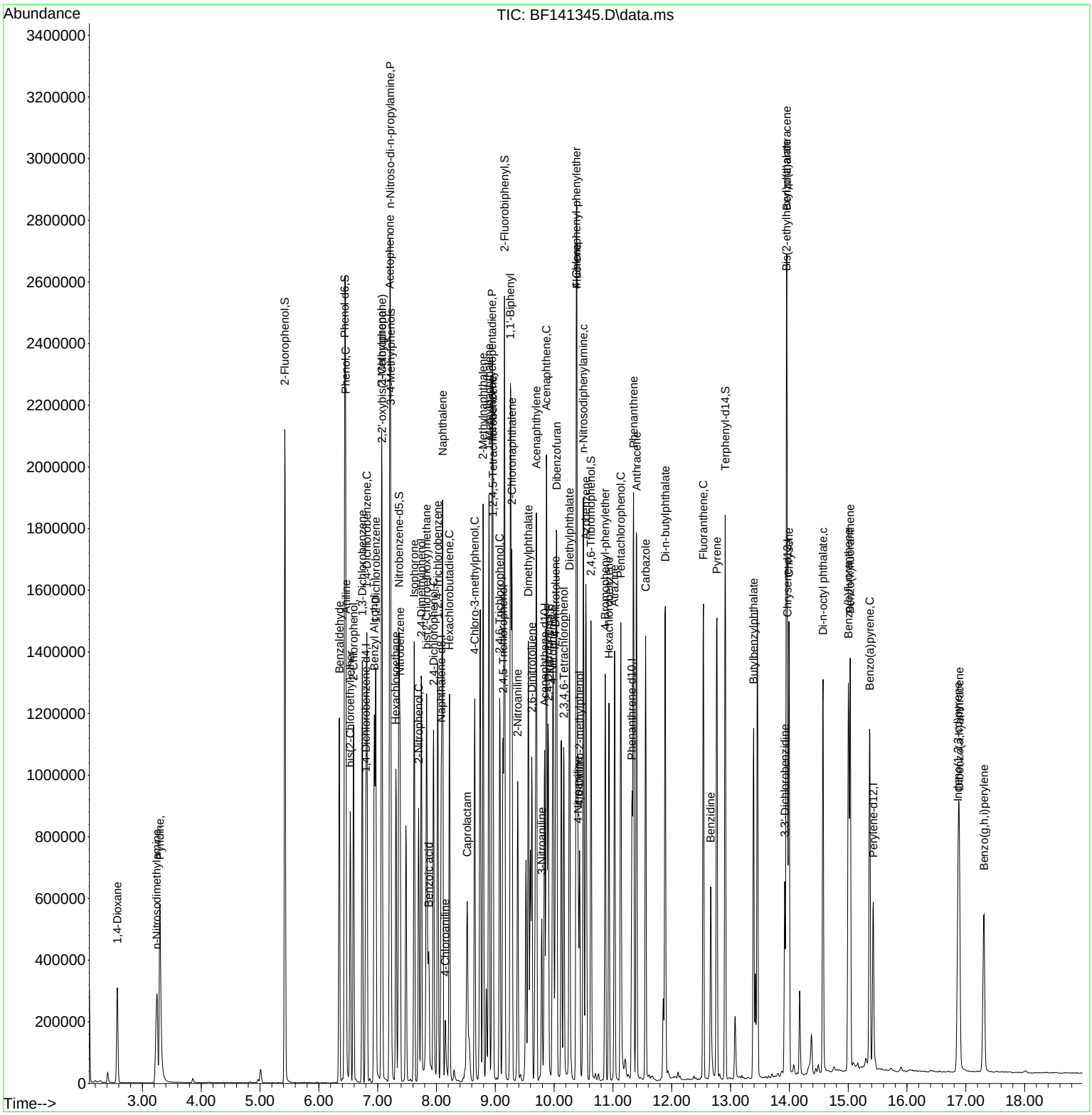
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141345.D
Acq On : 31 Jan 2025 21:23
Operator : RC/JU
Sample : Q1239-10MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

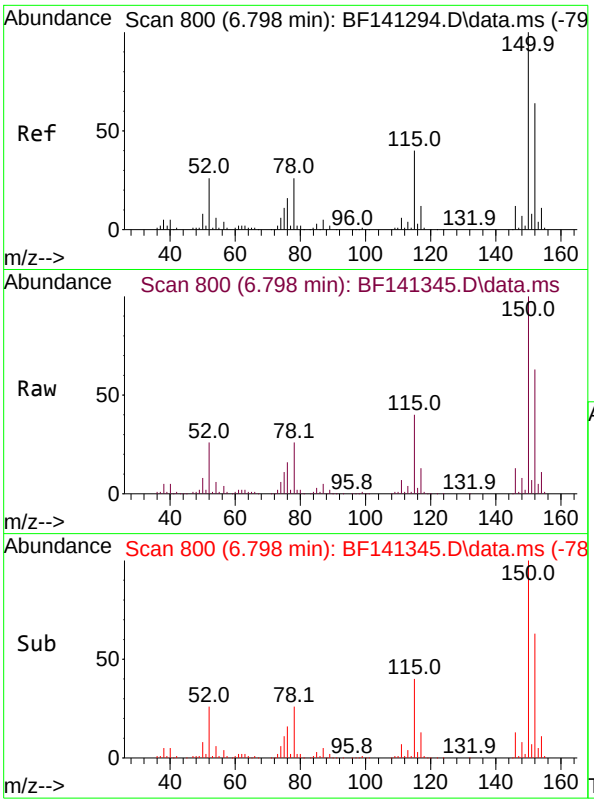
Quant Time: Jan 31 22:32:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

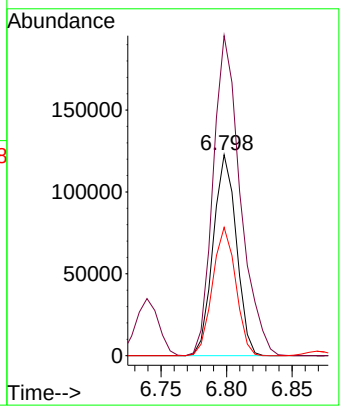




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:152 Resp: 15119

Ion	Ratio	Lower	Upper
152	100		
150	159.3	125.9	188.9
115	63.9	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
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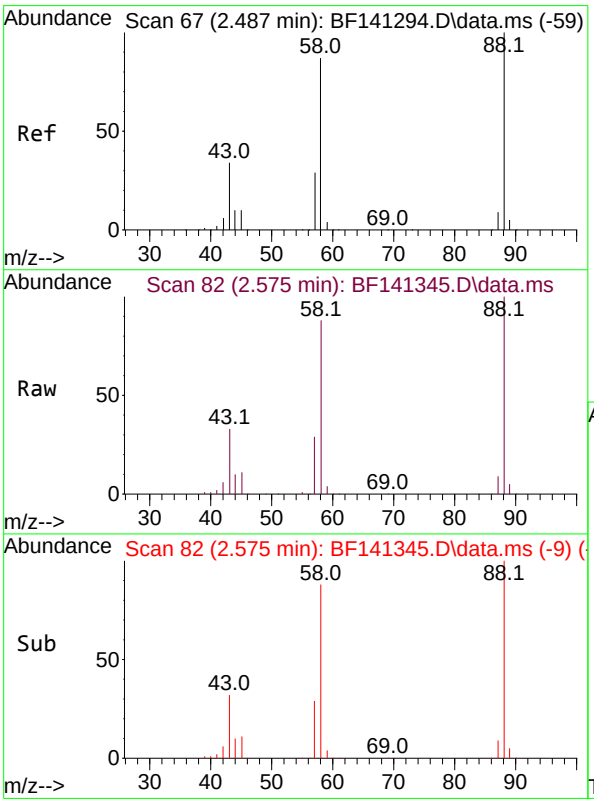
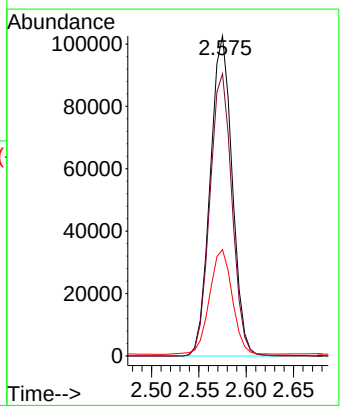
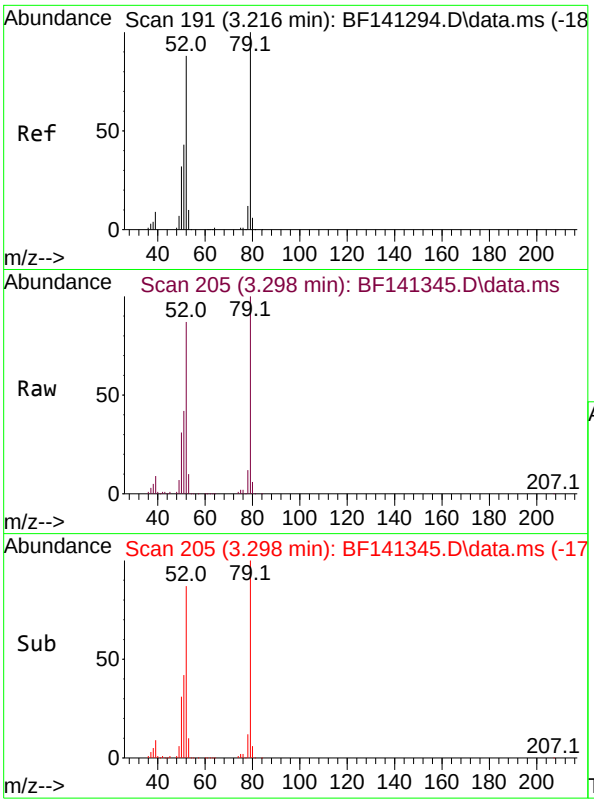


#2
1,4-Dioxane
Concen: 38.264 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.082 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 88 Resp: 165733

Ion	Ratio	Lower	Upper
88	100		
58	88.8	70.2	105.4
43	34.0	27.6	41.4

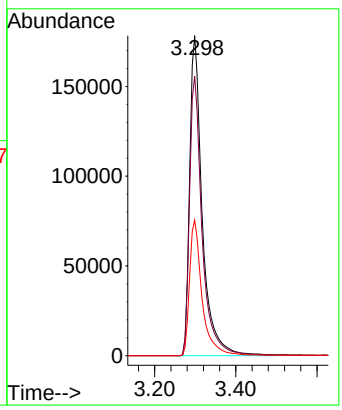




#3
Pyridine
Concen: 36.854 ng
RT: 3.298 min Scan# 2
Delta R.T. 0.070 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 79 Resp: 38459

Ion	Ratio	Lower	Upper
79	100		
52	87.4	70.3	105.5
51	42.4	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
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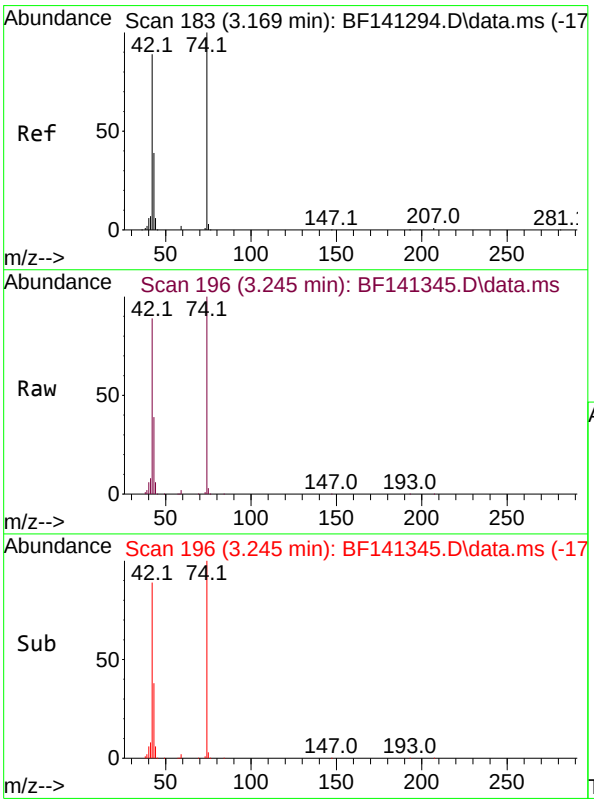
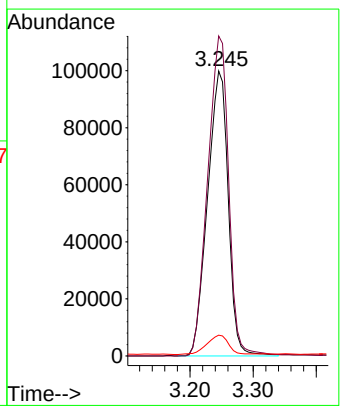
Supervised By :mohammad ahmed 02/04/2025

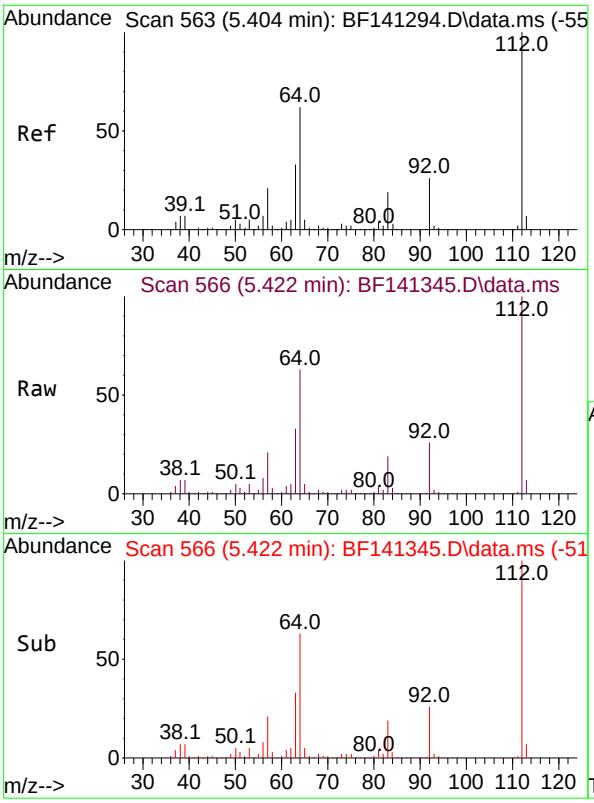


#4
n-Nitrosodimethylamine
Concen: 38.129 ng
RT: 3.245 min Scan# 196
Delta R.T. 0.047 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 42 Resp: 227306

Ion	Ratio	Lower	Upper
42	100		
74	112.3	90.3	135.5
44	7.3	5.7	8.5

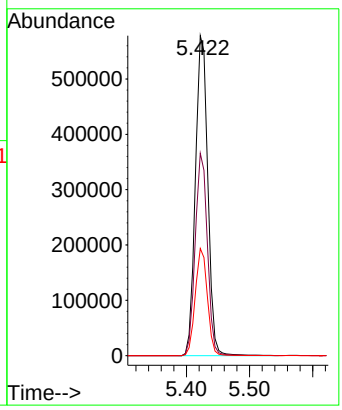




#5
2-Fluorophenol
Concen: 79.976 ng
RT: 5.422 min Scan# 5
Delta R.T. 0.011 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:112 Resp: 78762

Ion	Ratio	Lower	Upper
112	100		
64	63.2	49.8	74.8
63	33.5	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
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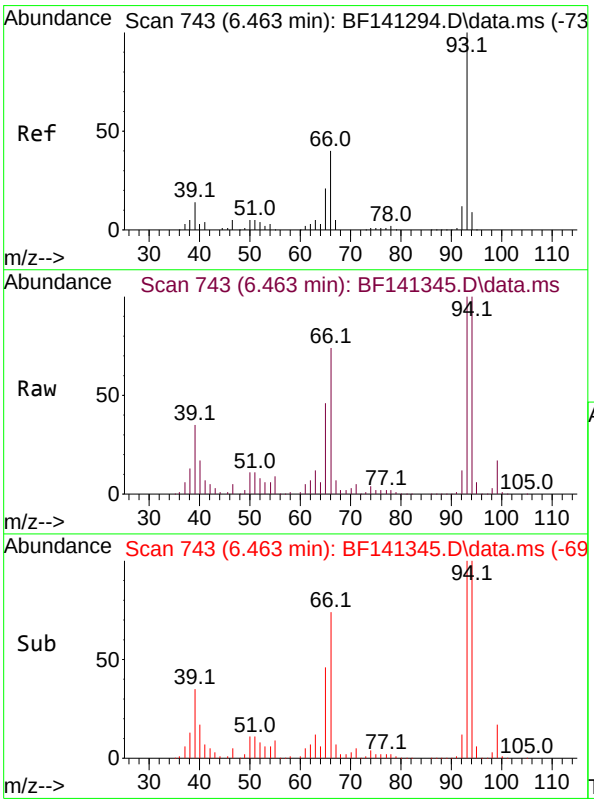
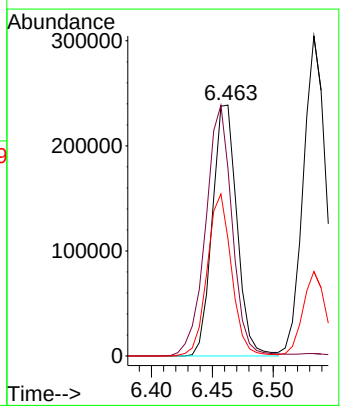
Supervised By :mohammad ahmed 02/04/2025

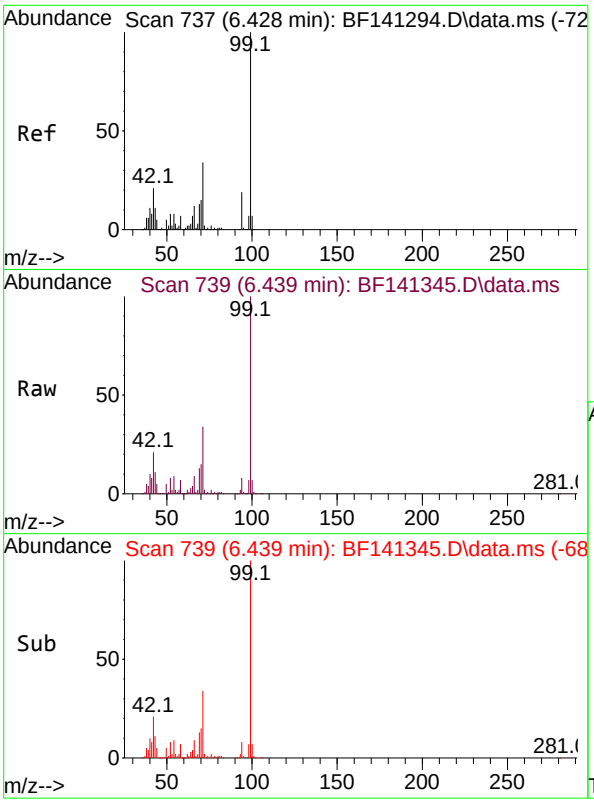


#6
Aniline
Concen: 31.746 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 93 Resp: 336670

Ion	Ratio	Lower	Upper
93	100		
66	74.8	32.5	48.7#
65	46.7	17.0	25.6#

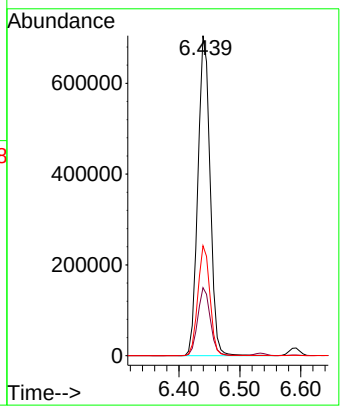




#7
Phenol-d6
Concen: 78.328 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 99 Resp: 98132

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	34.4	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
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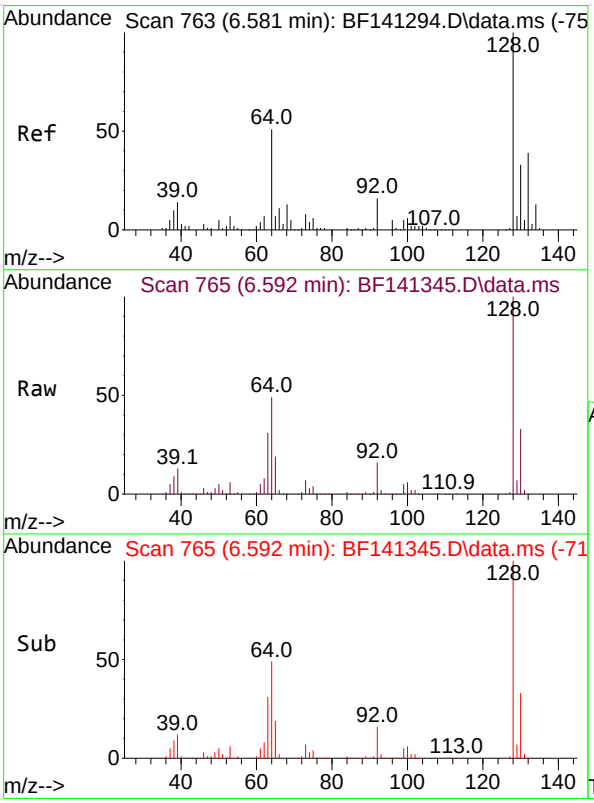
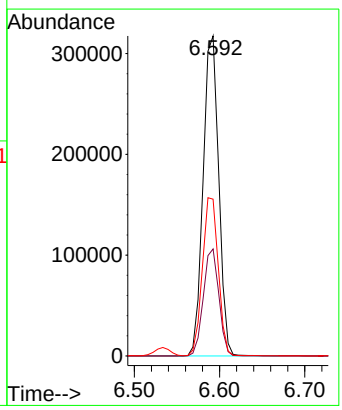
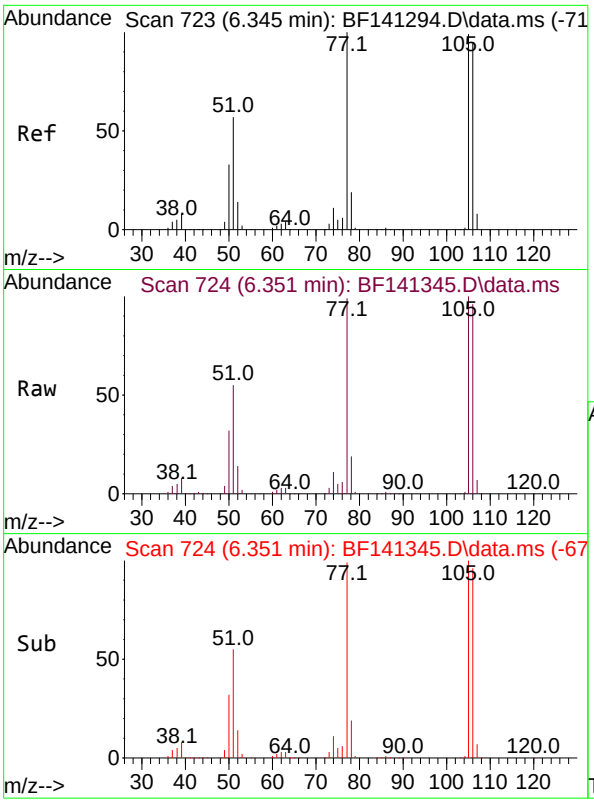


#8
2-Chlorophenol
Concen: 38.301 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:128 Resp: 404289

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	49.0	32.9	72.9

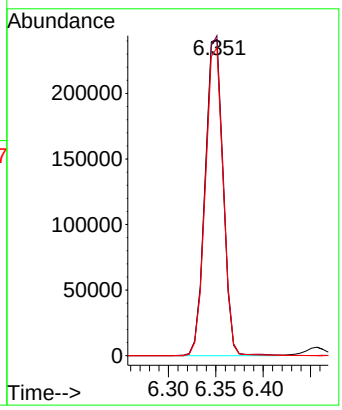




#9
Benzaldehyde
Concen: 43.702 ng
RT: 6.351 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 77 Resp: 31714

Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.4	119.4
106	97.3	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
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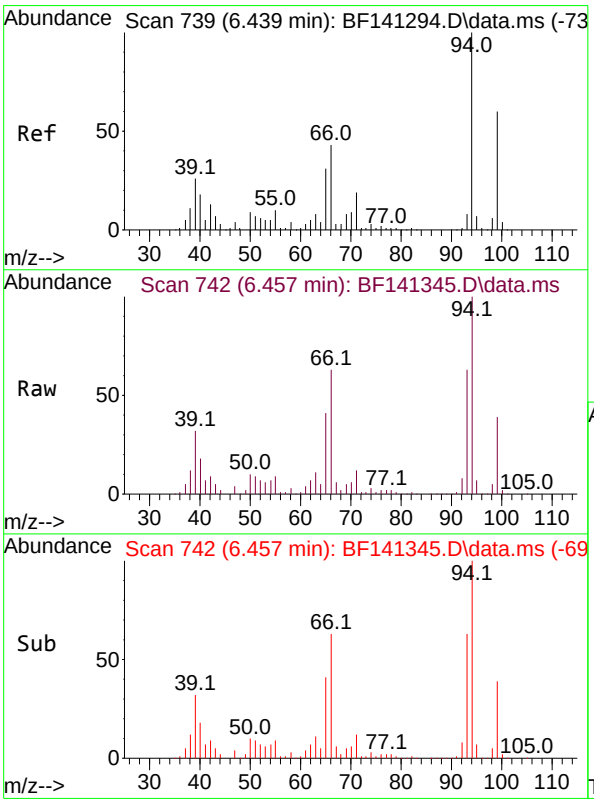
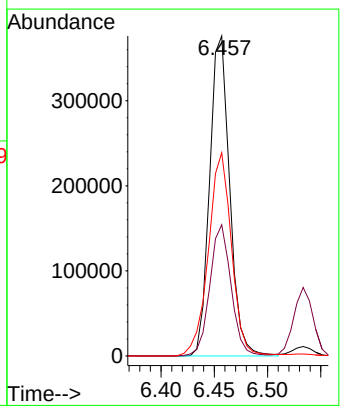
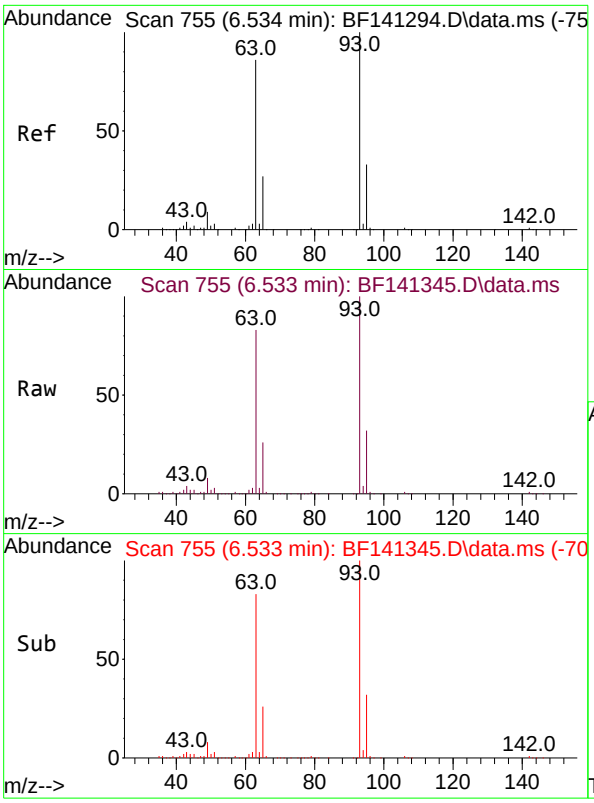


#10
Phenol
Concen: 37.180 ng
RT: 6.457 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 94 Resp: 493779

Ion	Ratio	Lower	Upper
94	100		
65	41.0	10.8	50.8
66	63.5	23.3	63.3#





#11
bis(2-Chloroethyl)ether
Concen: 38.123 ng
RT: 6.533 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 93 Resp: 38820

Ion	Ratio	Lower	Upper
93	100		
63	83.0	65.0	105.0
95	32.0	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
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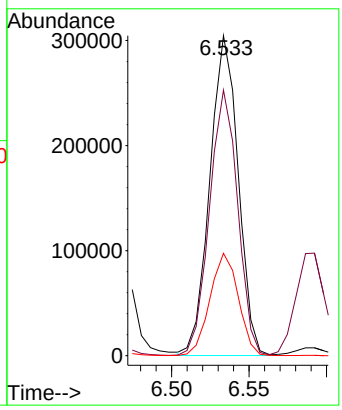
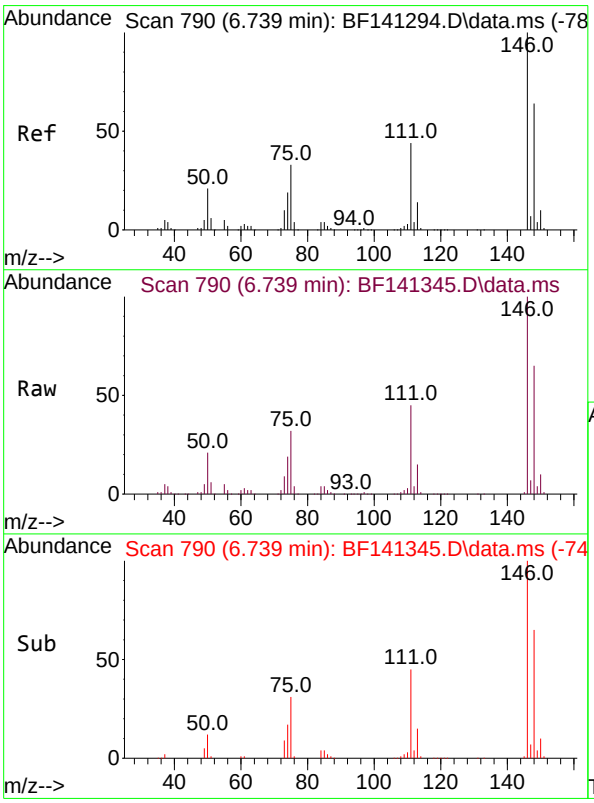
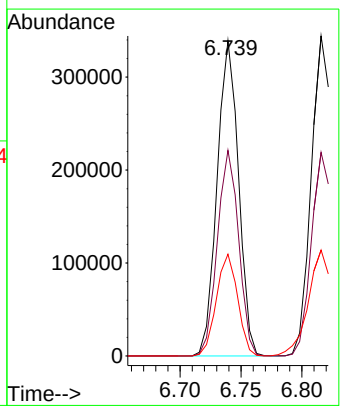


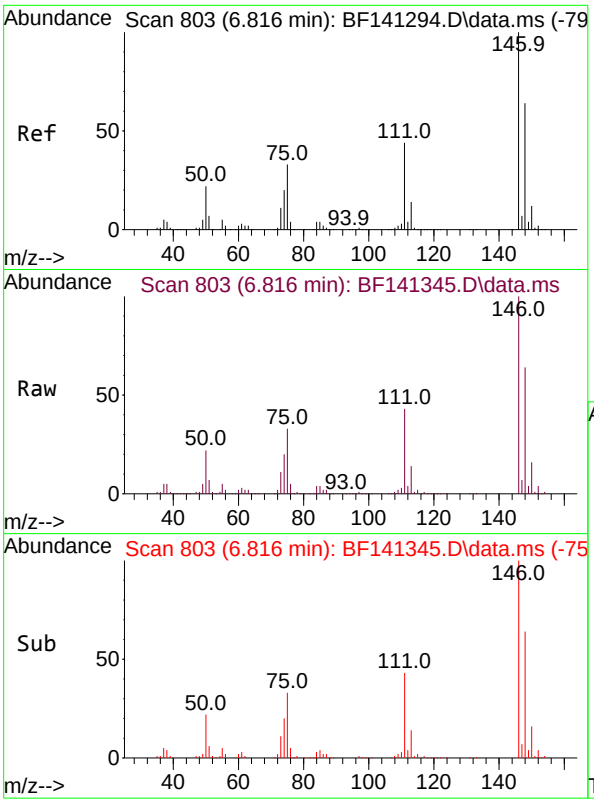


#12
1,3-Dichlorobenzene
Concen: 35.654 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:146 Resp: 414966

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.2	76.8
75	32.2	26.2	39.4

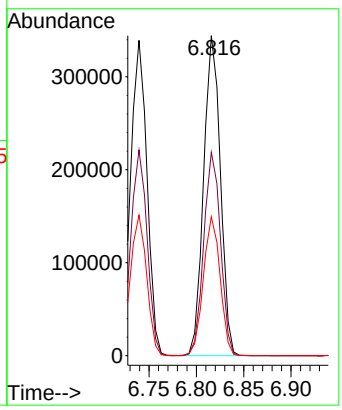




#13
1,4-Dichlorobenzene
Concen: 36.277 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:146 Resp: 42416

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
111	43.4	35.0	52.4



Instrument :
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ClientSampleId :
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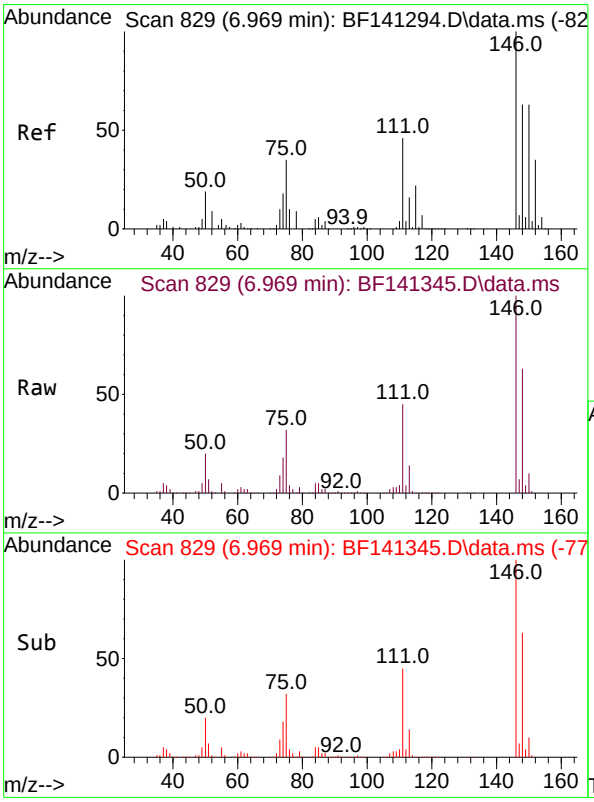
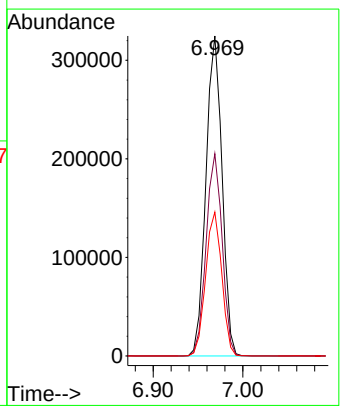
Supervised By :mohammad ahmed 02/04/2025

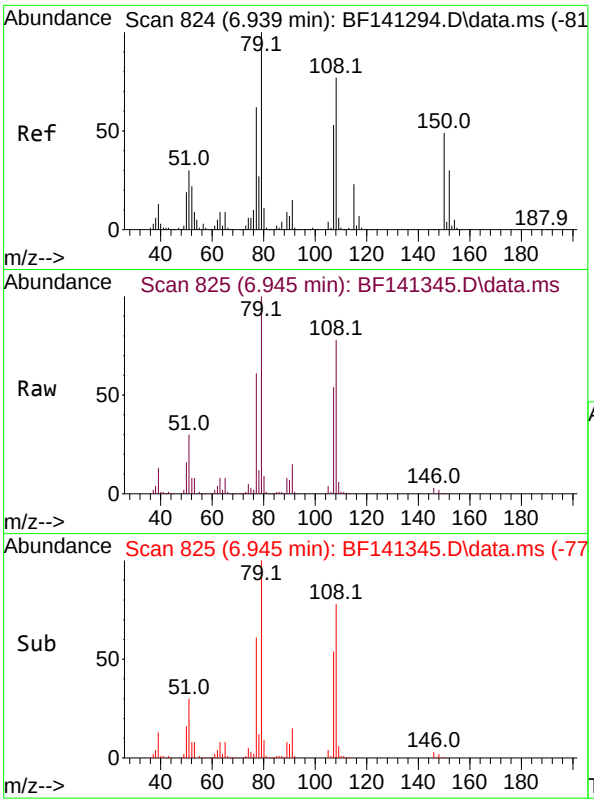


#14
1,2-Dichlorobenzene
Concen: 36.989 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:146 Resp: 404969

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.5	75.7
111	44.9	36.6	55.0





#15
Benzyl Alcohol
Concen: 40.458 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 79 Resp: 34639

Ion	Ratio	Lower	Upper
79	100		
108	77.8	61.4	92.0
77	61.1	49.9	74.9

Instrument :
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ClientSampleId :
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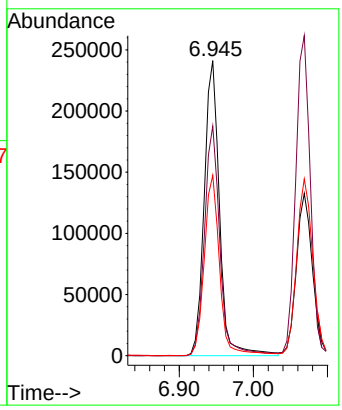
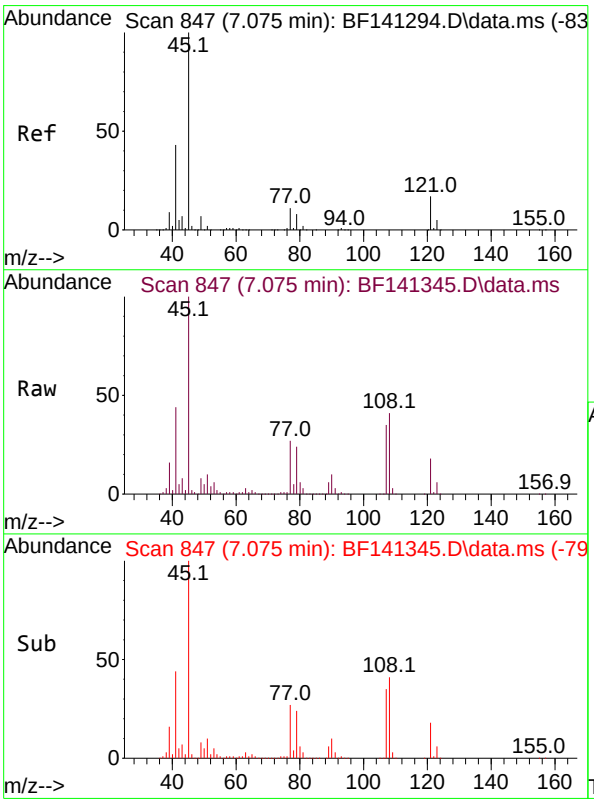
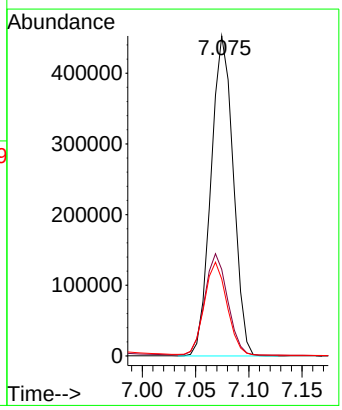


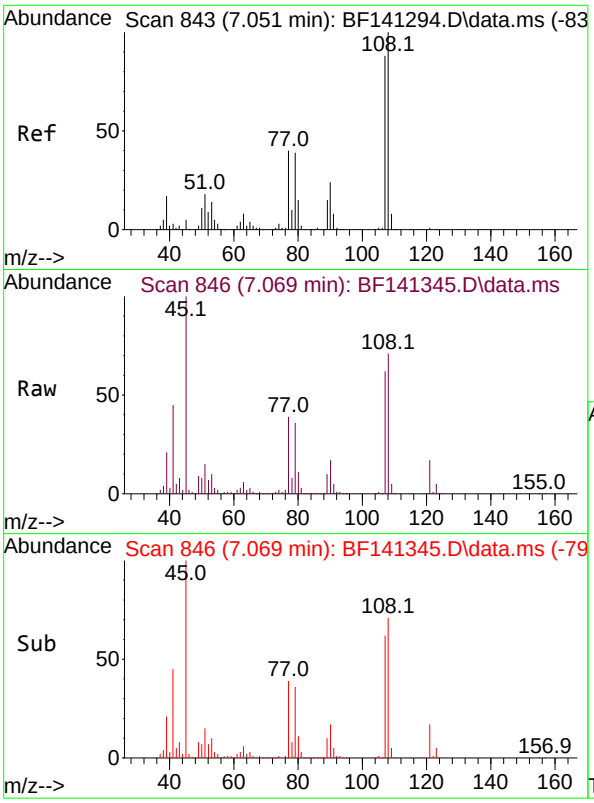


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.186 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 45 Resp: 658459

Ion	Ratio	Lower	Upper
45	100		
77	27.1	0.0	31.8
79	24.0	0.0	29.1

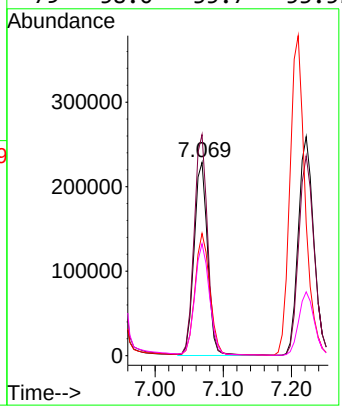




#17
2-Methylphenol
Concen: 36.693 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.011 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:107 Resp: 31478

Ion	Ratio	Lower	Upper
107	100		
108	114.3	90.8	136.2
77	63.2	36.2	54.4#
79	58.0	35.7	53.5#



Instrument :
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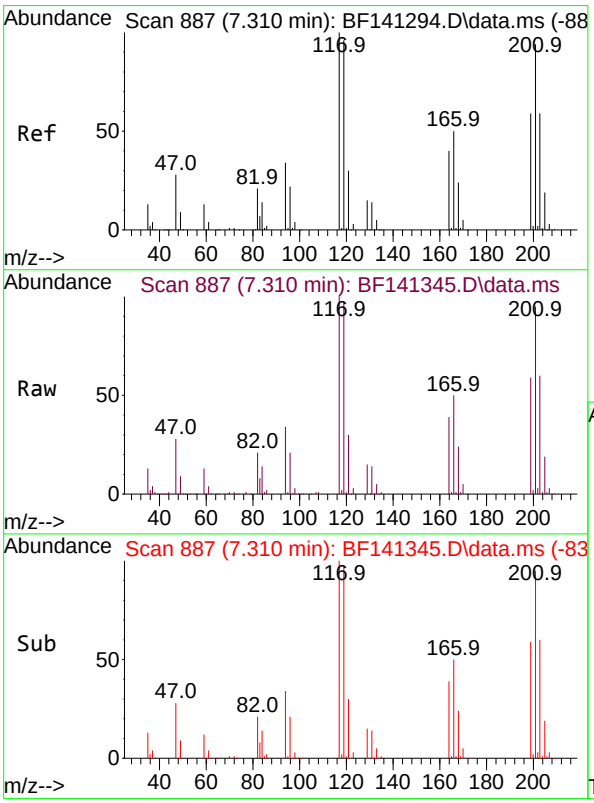
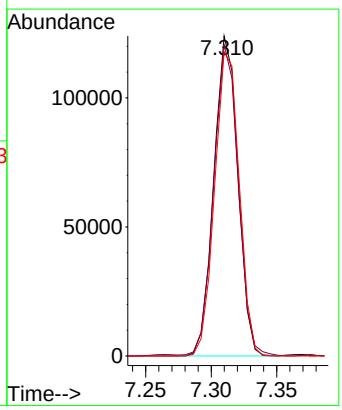
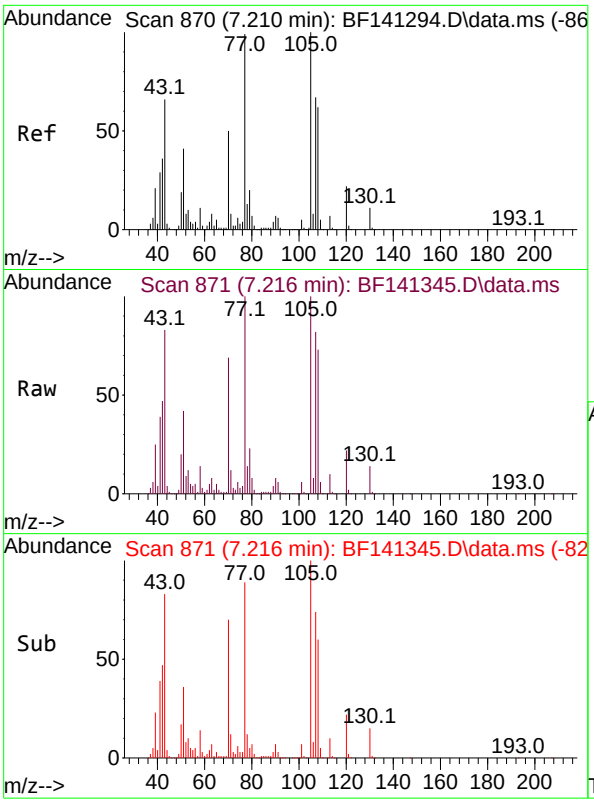


#18
Hexachloroethane
Concen: 36.612 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:117 Resp: 157921

Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.6	114.8
201	95.1	74.8	112.2

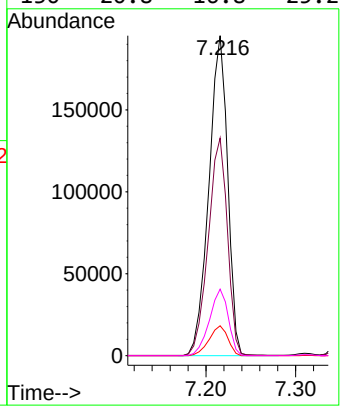




#19
n-Nitroso-di-n-propylamine
Concen: 38.089 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 70 Resp: 28354

Ion	Ratio	Lower	Upper
70	100		
42	68.0	56.8	85.2
101	9.4	7.7	11.5
130	20.8	16.8	25.2



Instrument :
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ClientSampleId :
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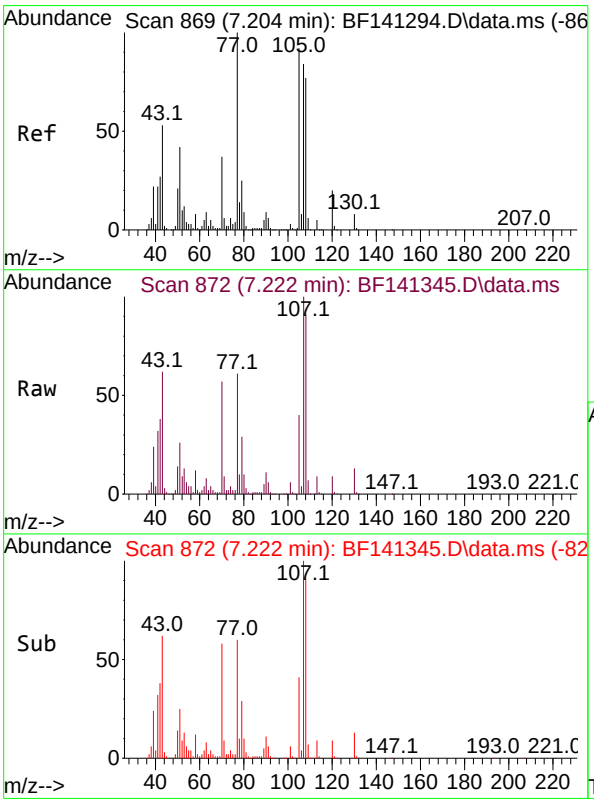
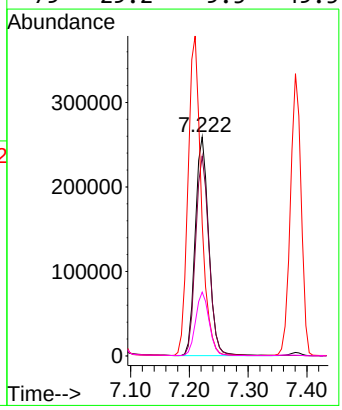
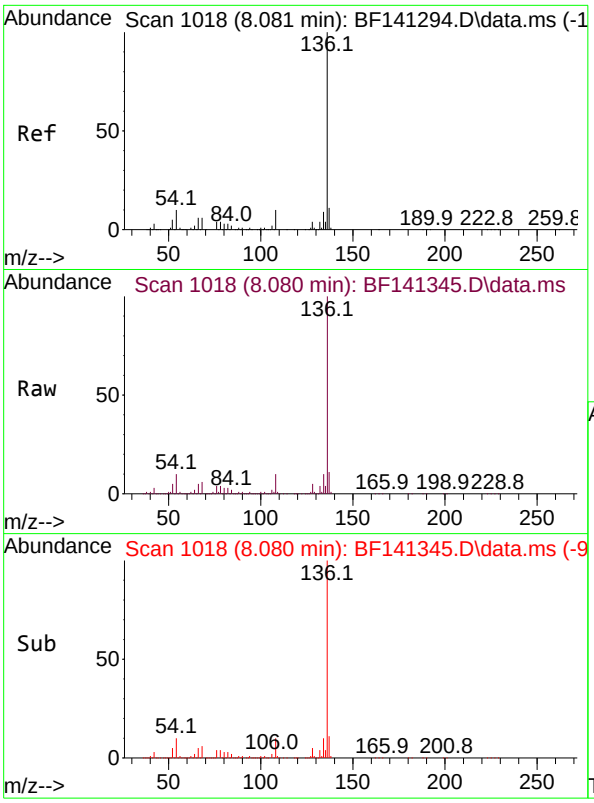


#20
3+4-Methylphenols
Concen: 39.094 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:107 Resp: 411800

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.9	110.9
77	60.5	98.5	138.5#
79	29.2	9.5	49.5

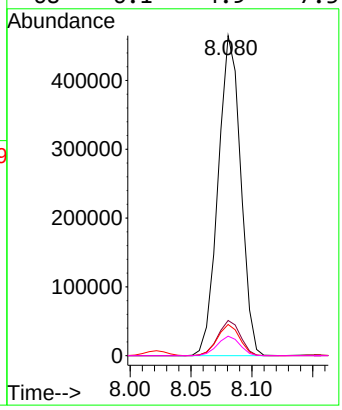




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:136 Resp: 60164

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.8	7.8	11.8
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
357MS

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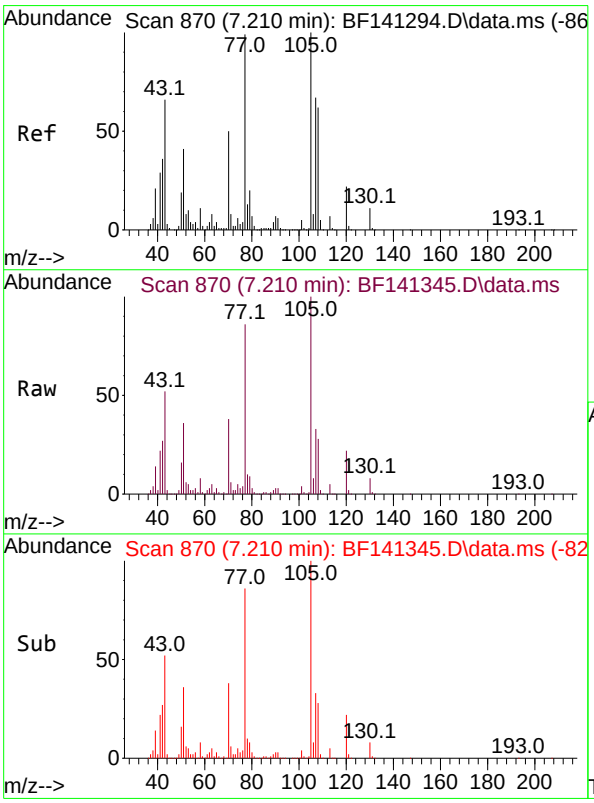
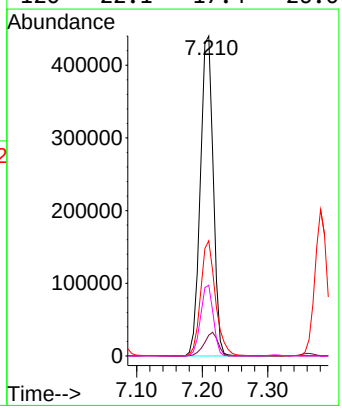
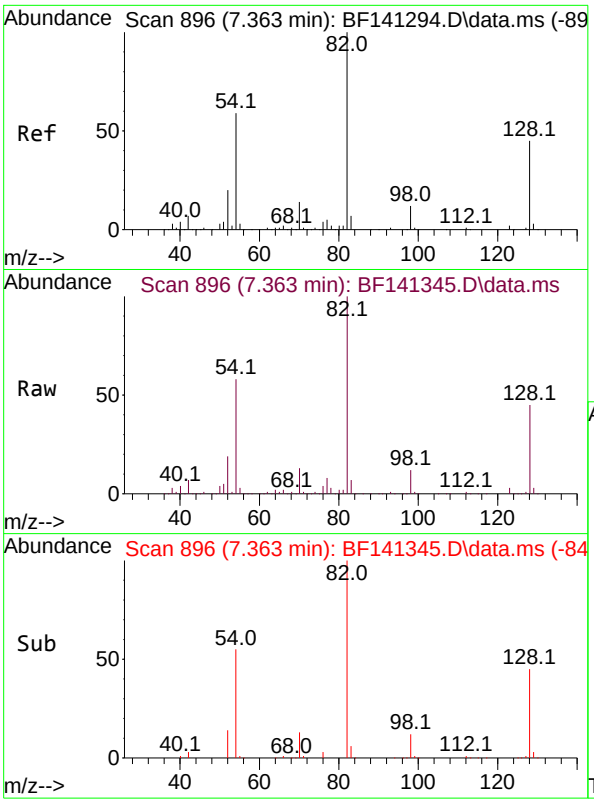


#22
Acetophenone
Concen: 42.226 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:105 Resp: 603872

Ion	Ratio	Lower	Upper
105	100		
71	6.5	6.8	10.2#
51	36.0	32.6	49.0
120	22.1	17.4	26.0

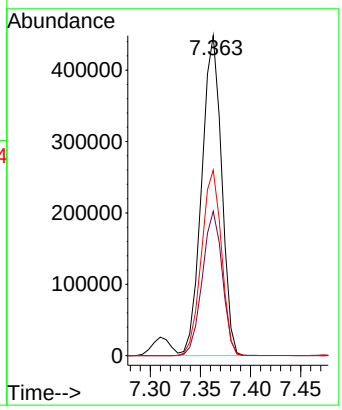




#23
Nitrobenzene-d5
Concen: 54.273 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 82 Resp: 61940

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	58.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
357MS

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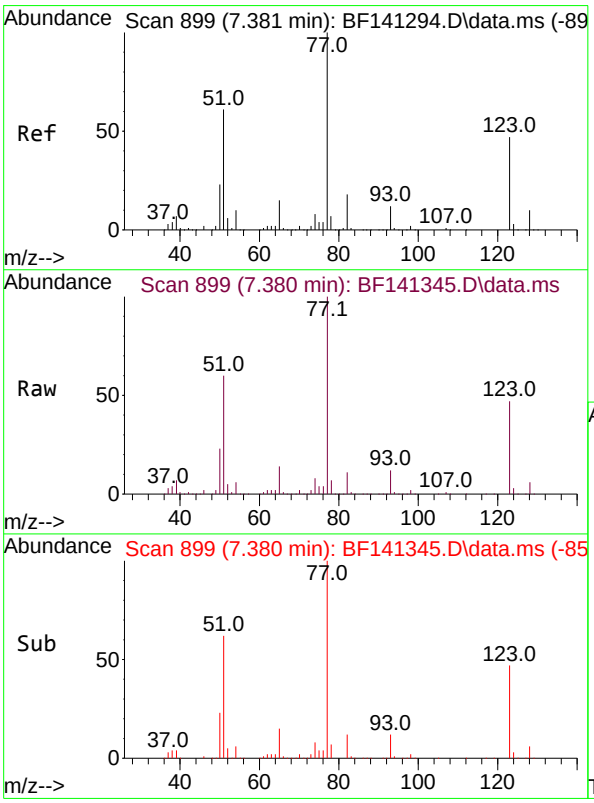
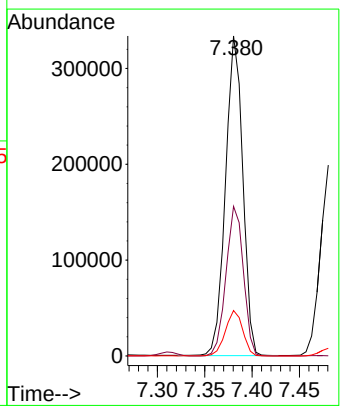
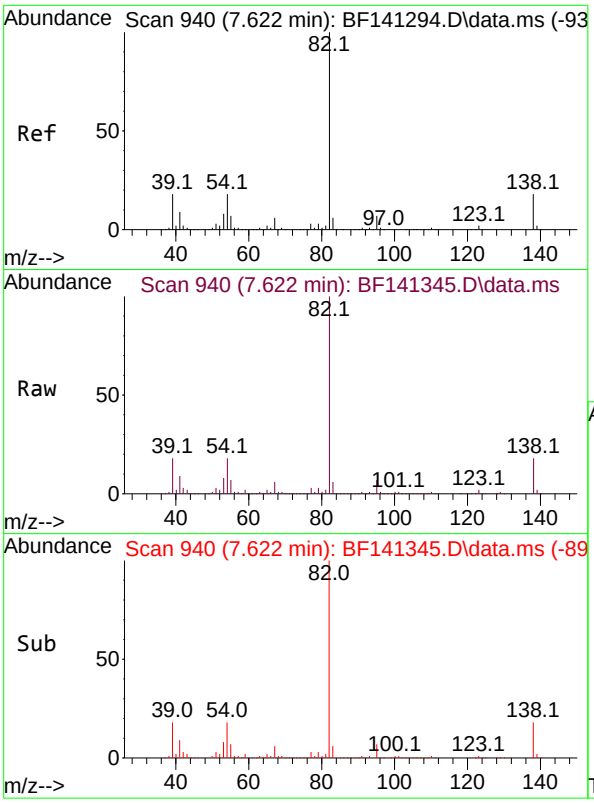


#24
Nitrobenzene
Concen: 35.804 ng
RT: 7.380 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 77 Resp: 423464

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.3	55.9
65	14.2	11.8	17.6

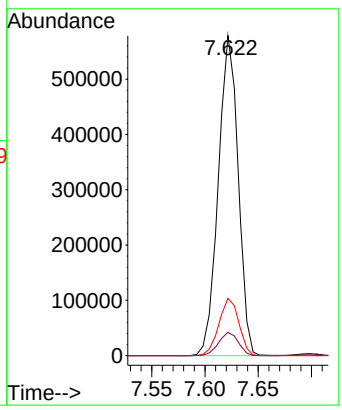




#25
Isophorone
Concen: 38.017 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 82 Resp: 75000

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	17.9	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
357MS

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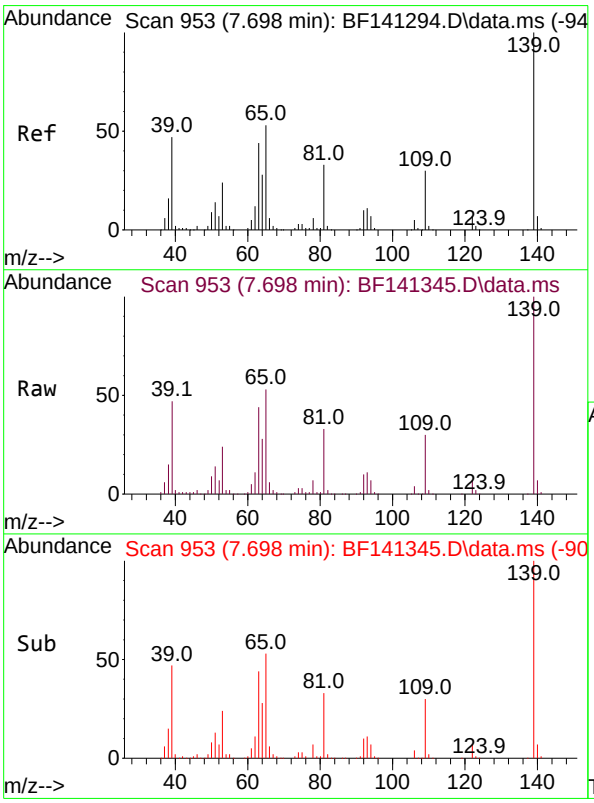
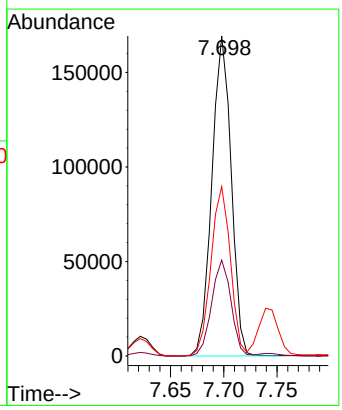
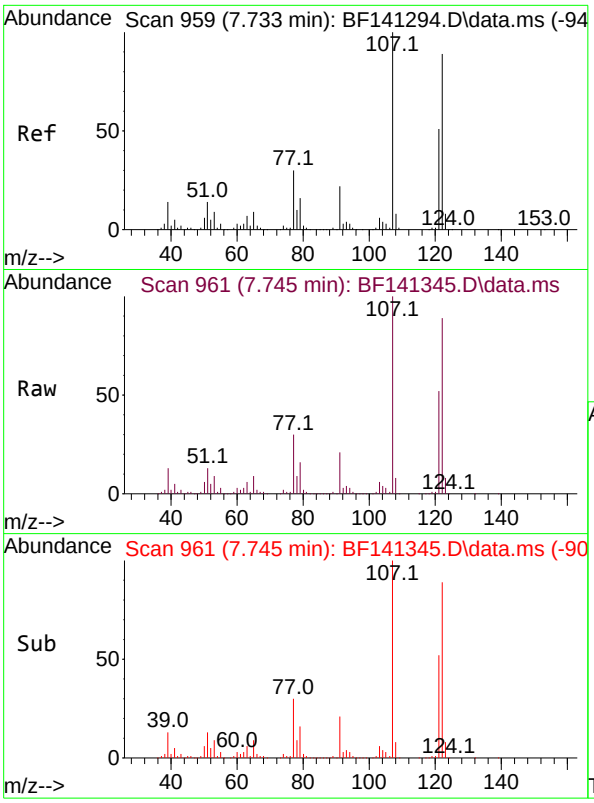


#26
2-Nitrophenol
Concen: 38.205 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:139 Resp: 213106

Ion	Ratio	Lower	Upper
139	100		
109	30.0	23.8	35.6
65	52.9	42.2	63.4

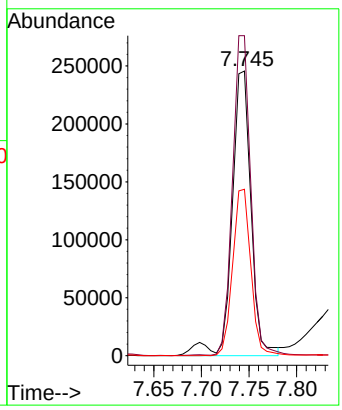




#27
2,4-Dimethylphenol
Concen: 48.140 ng m
RT: 7.745 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:122 Resp: 34177

Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.9	134.9
121	58.5	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
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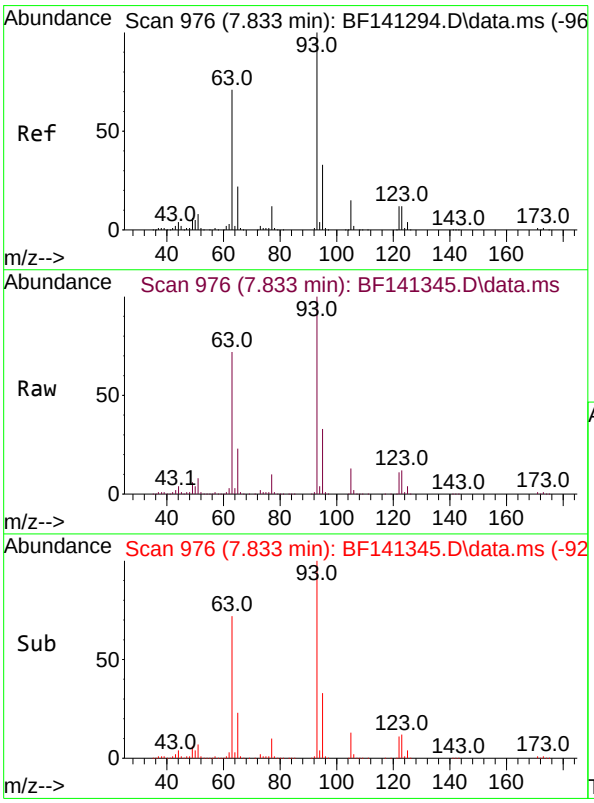
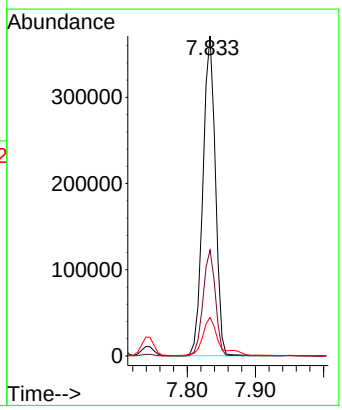
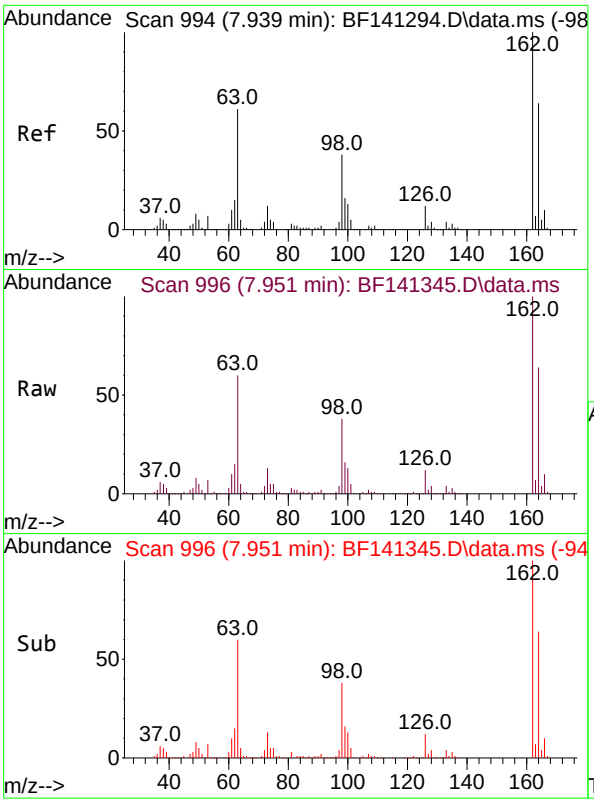


#28
bis(2-Chloroethoxy)methane
Concen: 37.461 ng
RT: 7.833 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 93 Resp: 471410

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.2
123	12.0	10.2	15.4

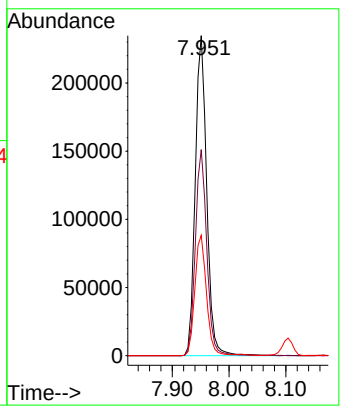




#29
2,4-Dichlorophenol
Concen: 38.030 ng
RT: 7.951 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:162 Resp: 33054

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	37.6	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
357MS

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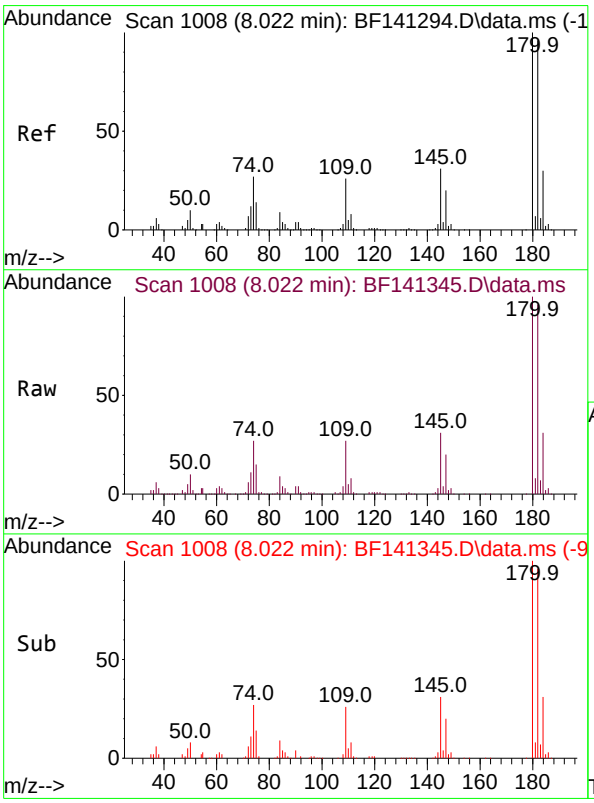
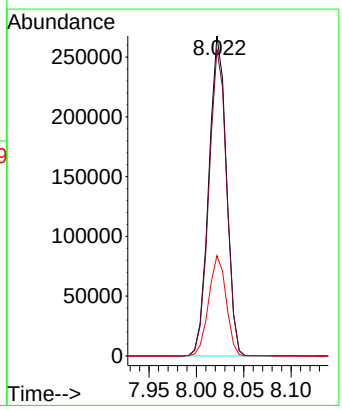
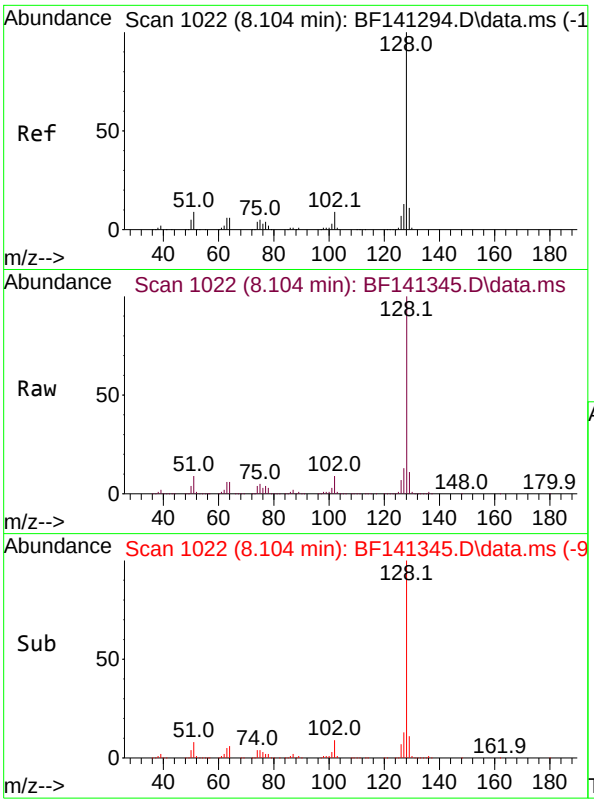


#30
1,2,4-Trichlorobenzene
Concen: 34.931 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:180 Resp: 346729

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	31.3	24.9	37.3





#31
Naphthalene
Concen: 35.950 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:128 Resp: 114261

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
357MS

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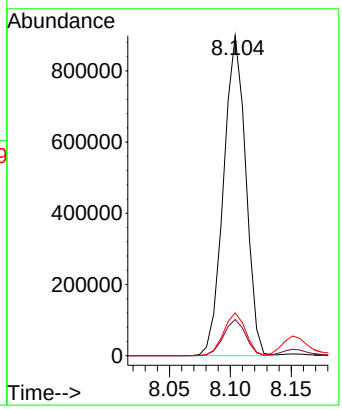
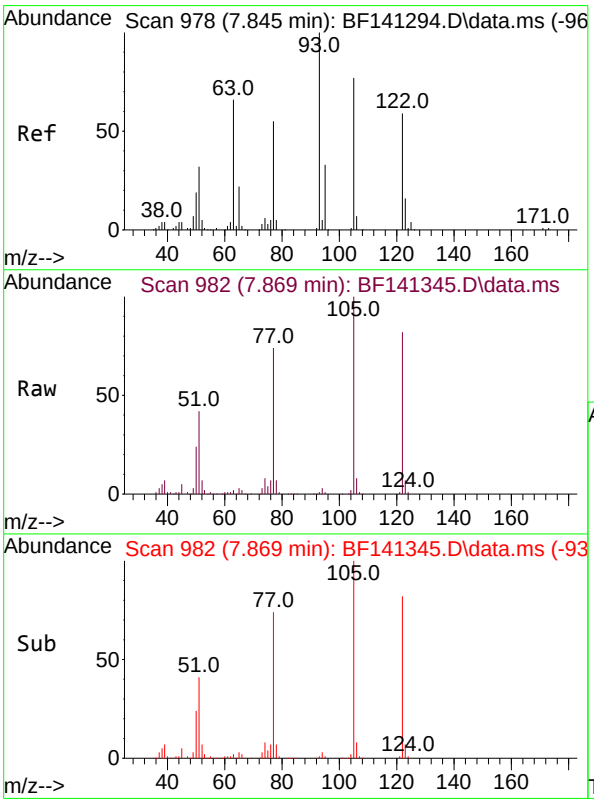
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

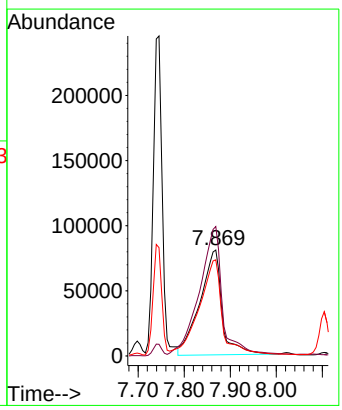


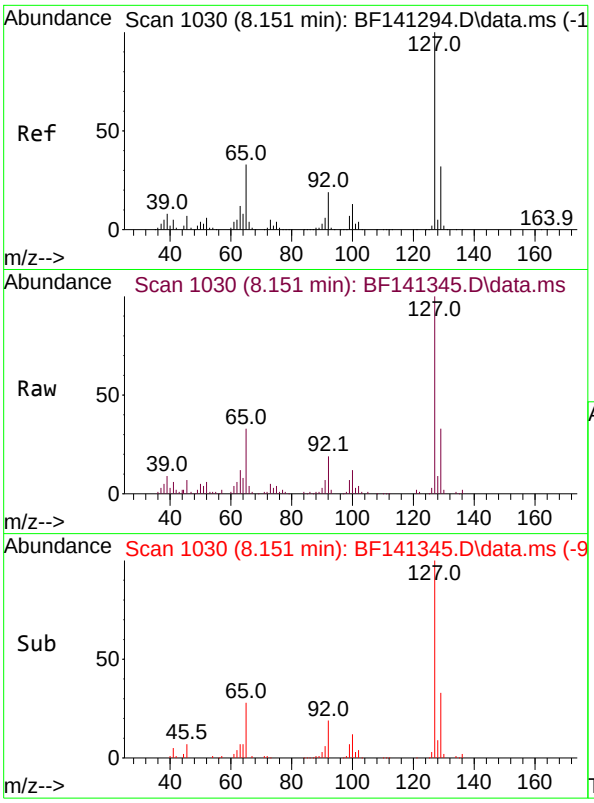


#32
Benzoic acid
Concen: 41.118 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:122 Resp: 268361

Ion	Ratio	Lower	Upper
122	100		
105	122.2	103.4	143.4
77	90.8	70.9	110.9

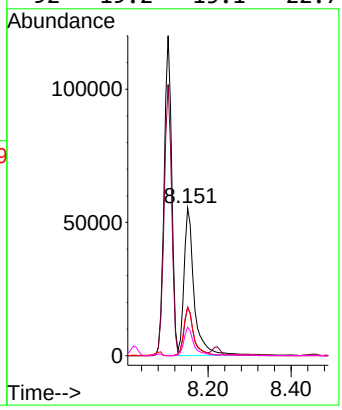




#33
4-Chloroaniline
Concen: 8.780 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:127 Resp: 9462

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	33.0	26.4	39.6
92	19.2	15.1	22.7



Instrument :
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ClientSampleId :
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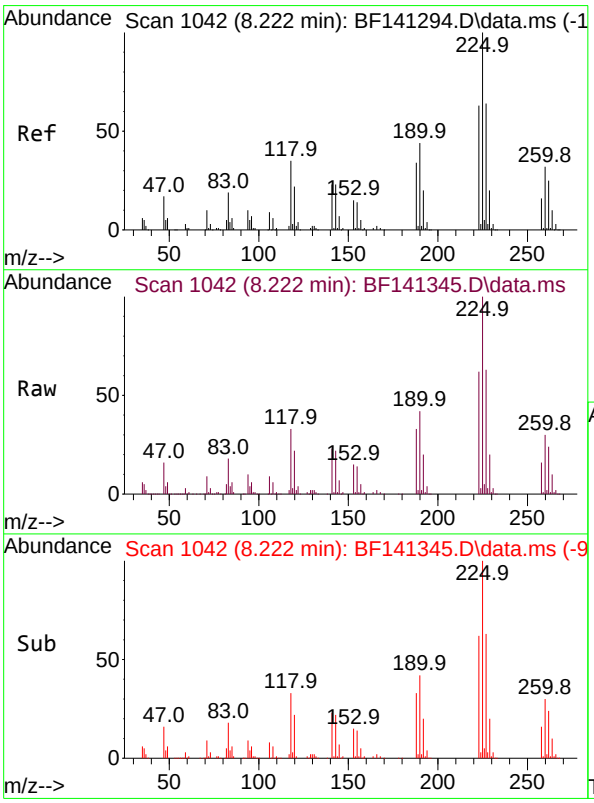
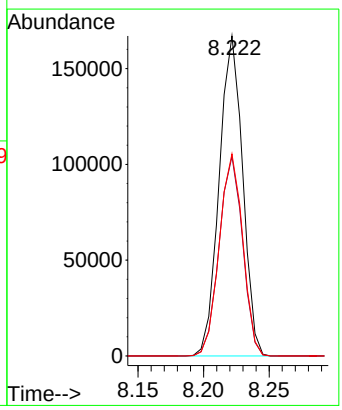
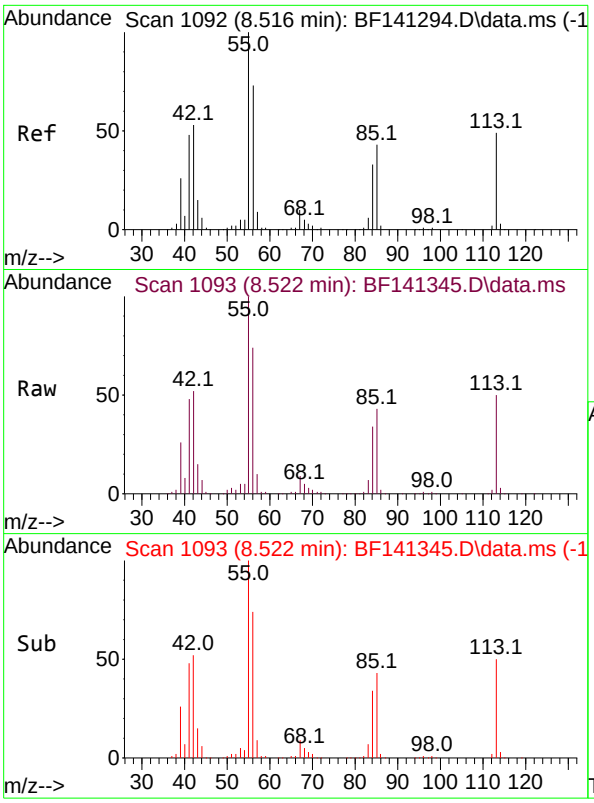


#34
Hexachlorobutadiene
Concen: 35.644 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:225 Resp: 207482

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.4	75.6
227	63.2	51.3	76.9





#35
Caprolactam
Concen: 41.992 ng m
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:113 Resp: 11919

Ion	Ratio	Lower	Upper
113	100		
55	201.9	182.9	222.9
56	148.7	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
357MS

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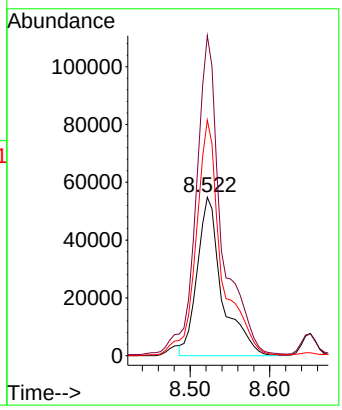
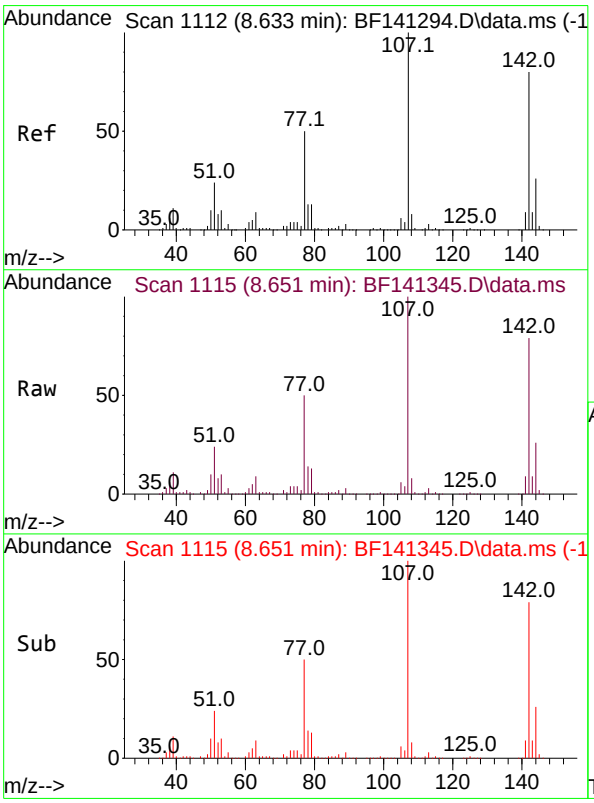
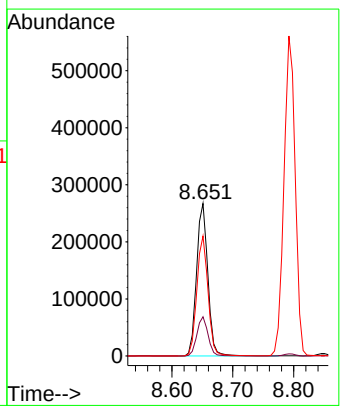


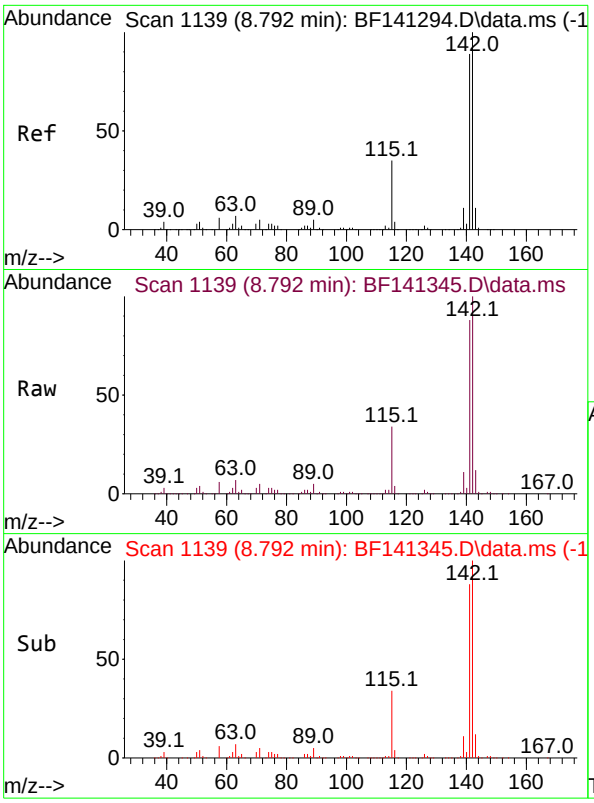


#36
4-Chloro-3-methylphenol
Concen: 36.931 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.011 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:107 Resp: 344306

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.7	31.1
142	78.6	63.8	95.8





#37
2-Methylnaphthalene
Concen: 35.596 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:142 Resp: 71907

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9

Instrument :
BNA_F
ClientSampleId :
357MS

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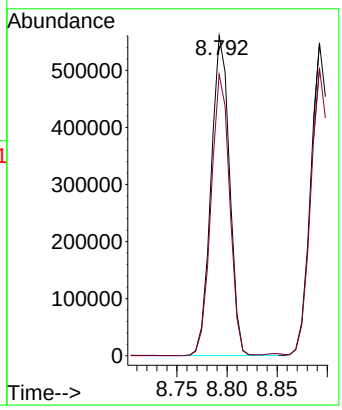
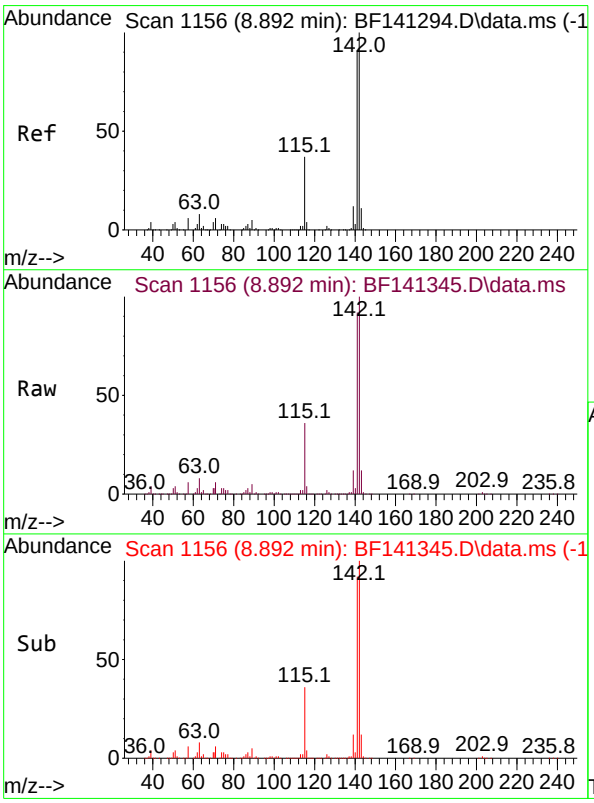
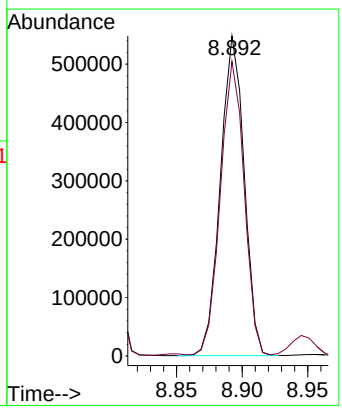


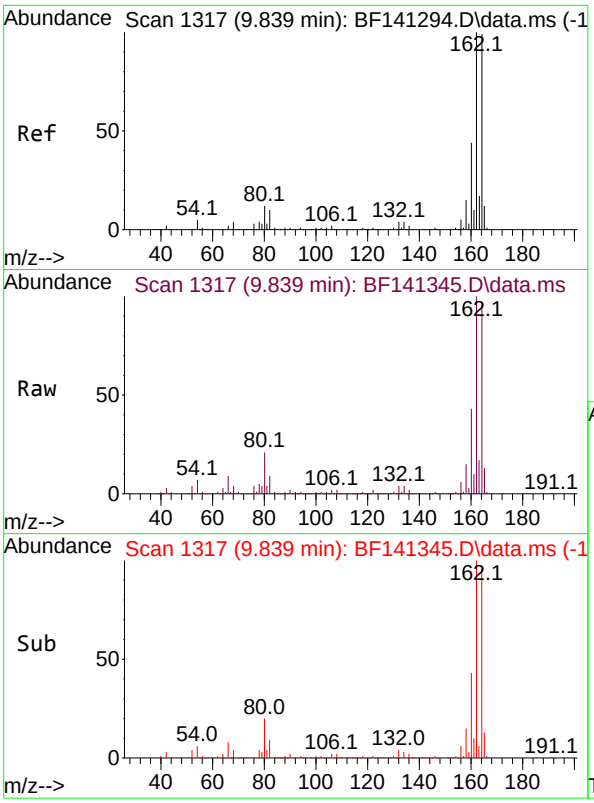


#38
1-Methylnaphthalene
Concen: 34.838 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:142 Resp: 691309

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.2	109.8

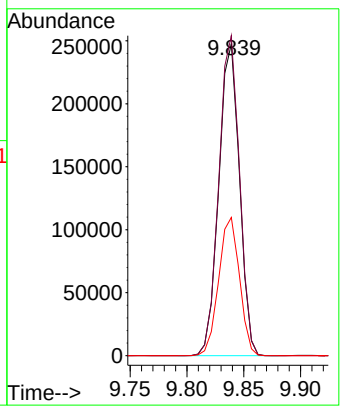




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:164 Resp: 31366

Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.6	121.0
160	44.3	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
357MS

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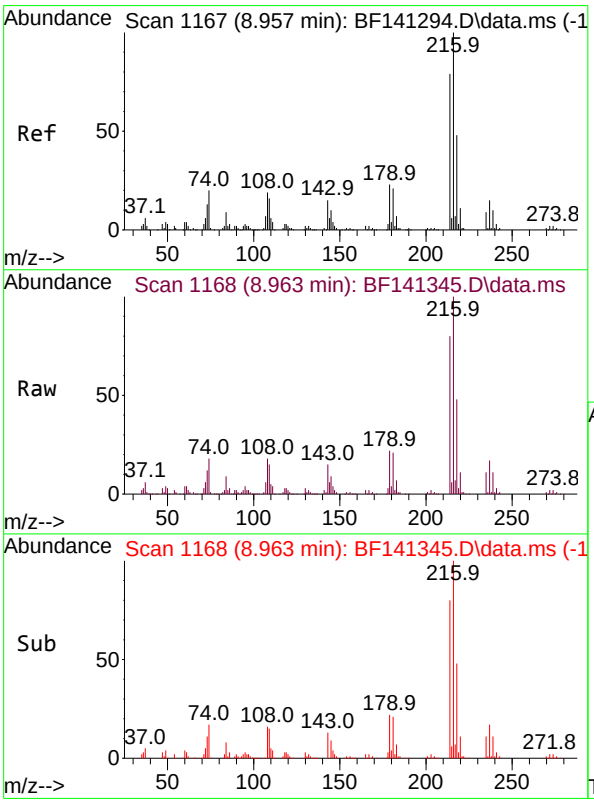
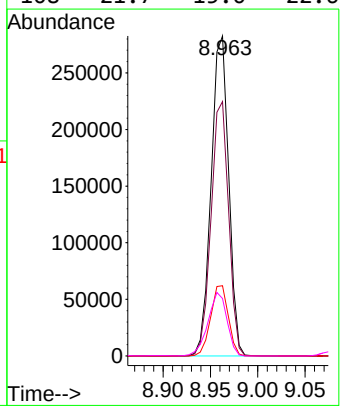
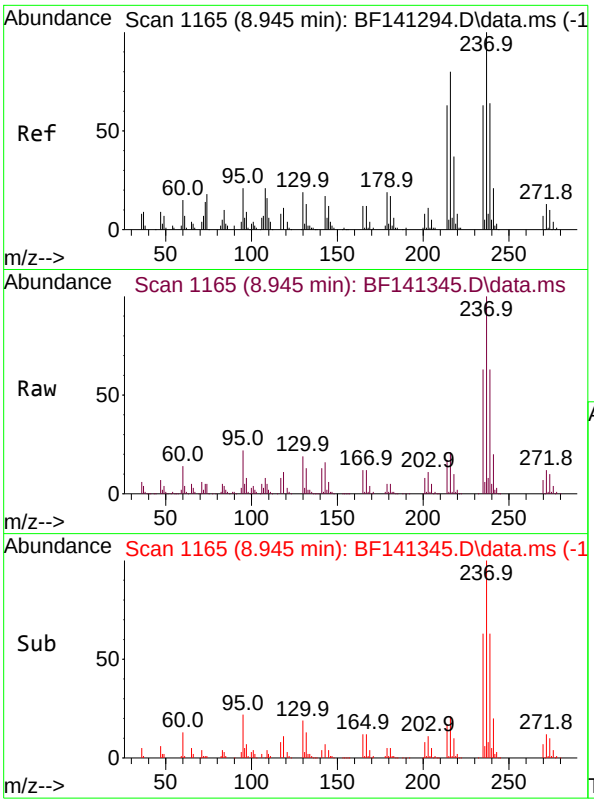


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.795 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:216 Resp: 364026

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.2	94.8
179	22.2	17.8	26.8
108	21.7	15.0	22.6

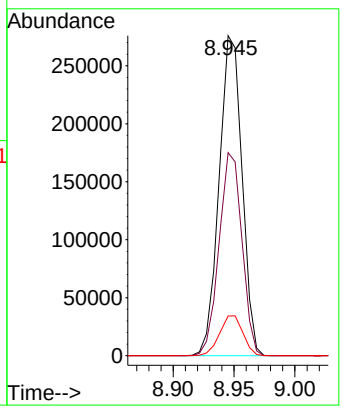




#41
Hexachlorocyclopentadiene
Concen: 137.363 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:237 Resp: 36199

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.9	82.9
272	12.4	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
357MS

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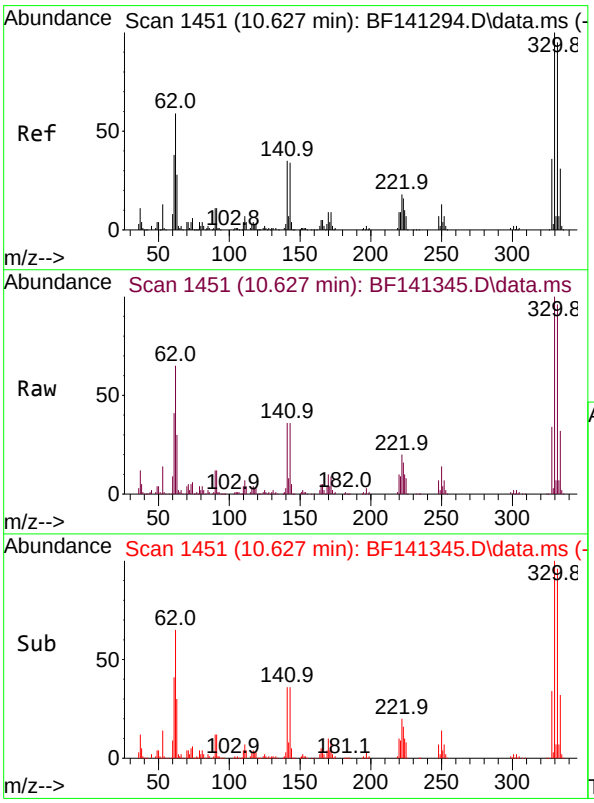
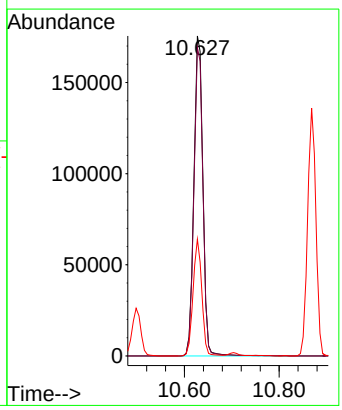
Supervised By :mohammad ahmed 02/04/2025

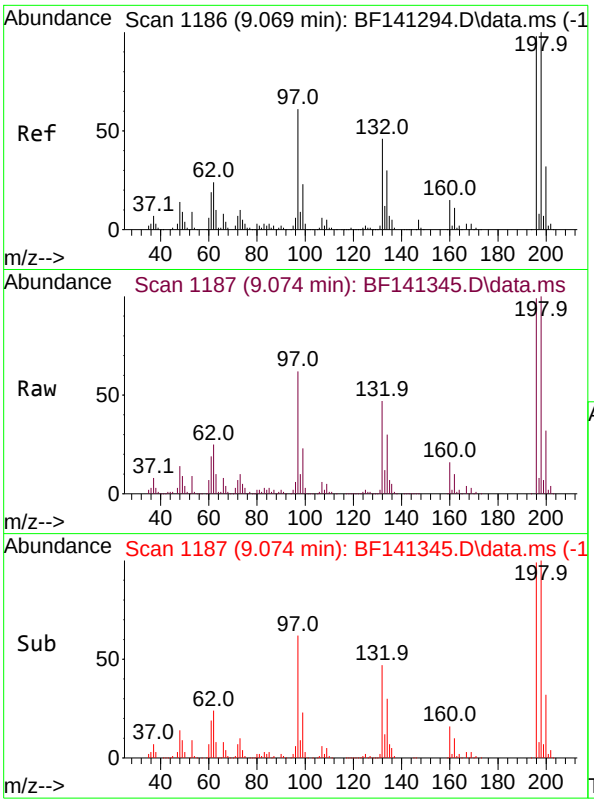


#42
2,4,6-Tribromophenol
Concen: 80.585 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:330 Resp: 231727

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	35.6	28.8	43.2

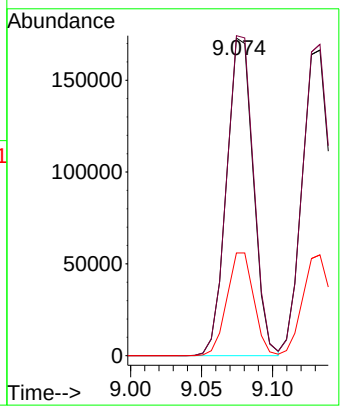




#43
2,4,6-Trichlorophenol
Concen: 38.863 ng
RT: 9.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:196 Resp: 22698

Ion	Ratio	Lower	Upper
196	100		
198	100.7	81.8	122.6
200	32.3	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
357MS

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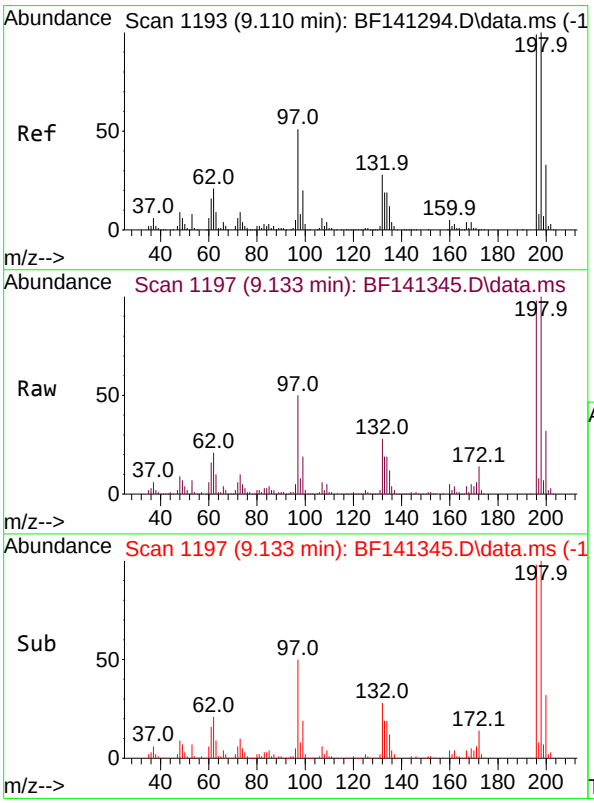
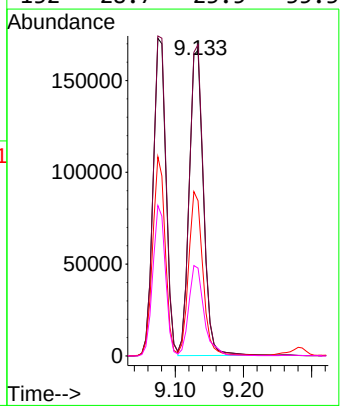
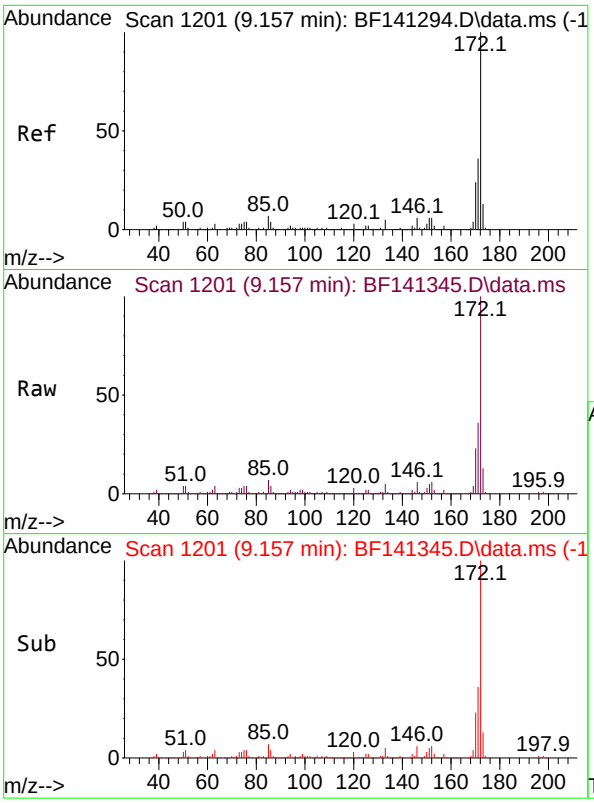


#44
2,4,5-Trichlorophenol
Concen: 37.677 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.017 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:196 Resp: 239509

Ion	Ratio	Lower	Upper
196	100		
198	101.8	80.5	120.7
97	50.8	42.8	64.2
132	28.7	23.5	35.3

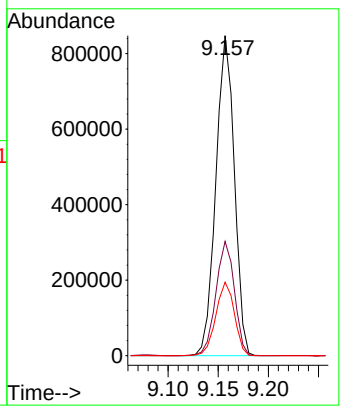




#45
2-Fluorobiphenyl
Concen: 53.182 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:172 Resp: 108377

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
357MS

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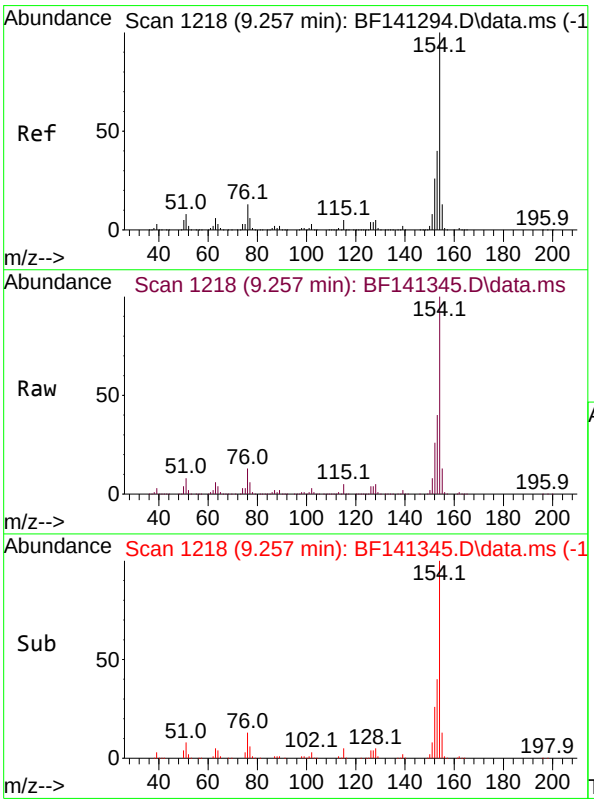
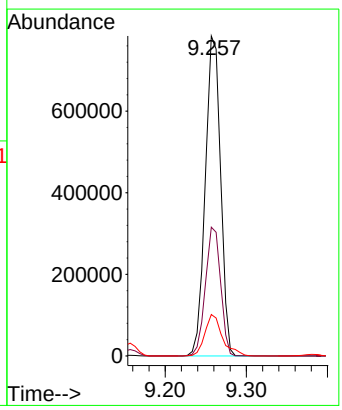
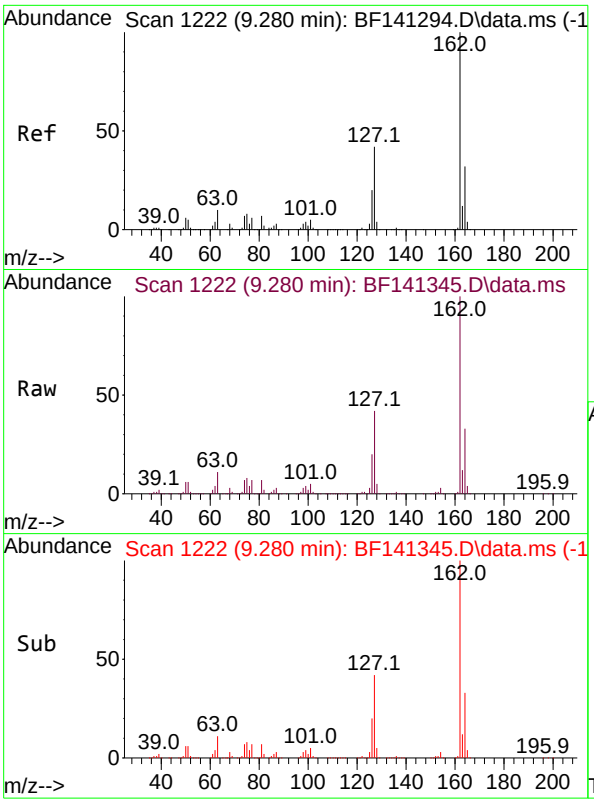


#46
1,1'-Biphenyl
Concen: 41.869 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:154 Resp: 1024211

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.0	60.0
76	12.9	0.0	32.8

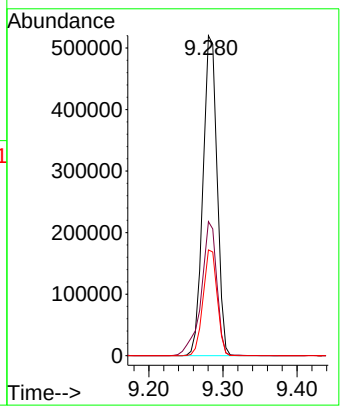




#47
2-Chloronaphthalene
Concen: 36.093 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:162 Resp: 68817

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.7	50.5
164	33.0	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
357MS

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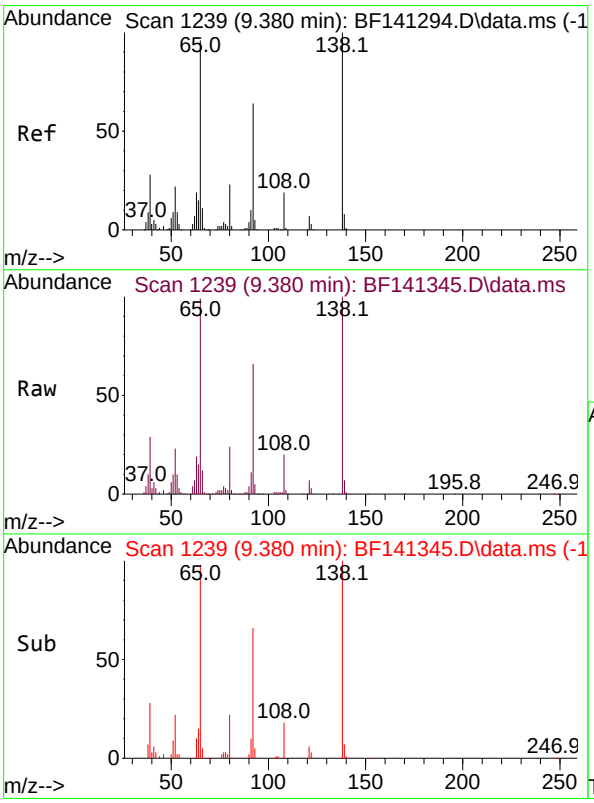
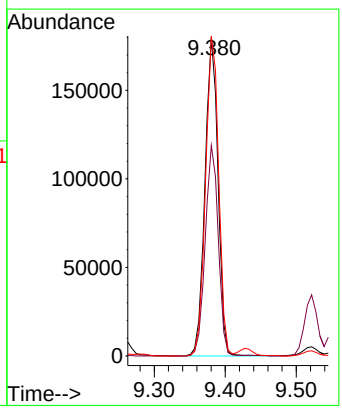
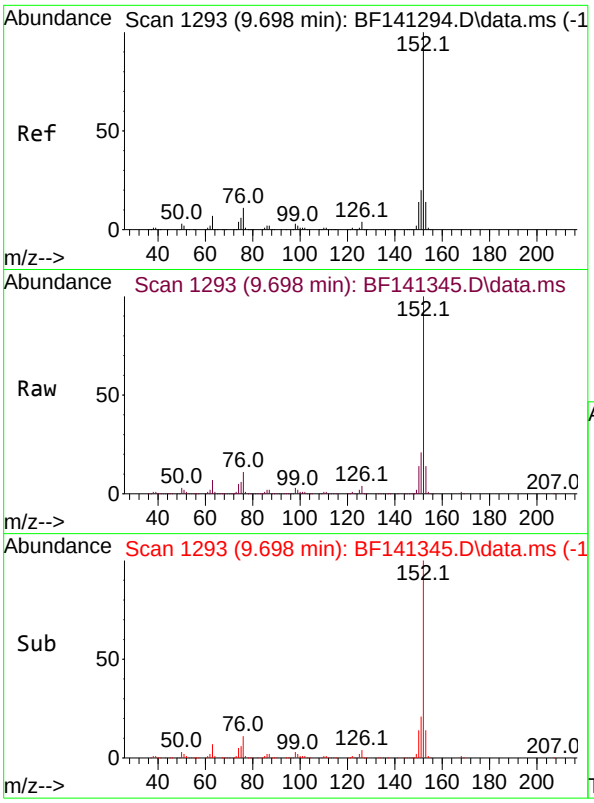


#48
2-Nitroaniline
Concen: 38.310 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 65 Resp: 229753

Ion	Ratio	Lower	Upper
65	100		
92	66.2	53.3	79.9
138	100.5	83.6	125.4

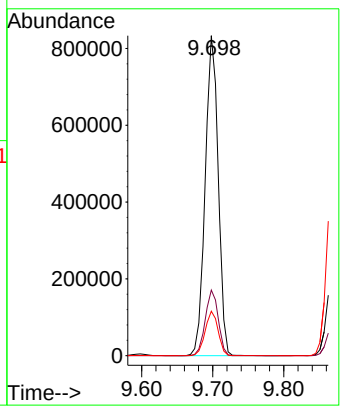




#49
Acenaphthylene
Concen: 39.825 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:152 Resp: 106291

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.9	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
357MS

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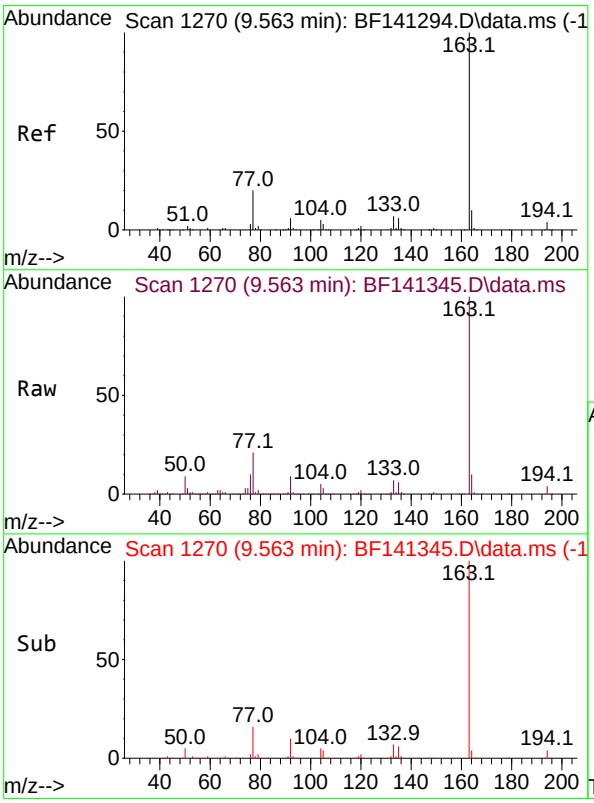
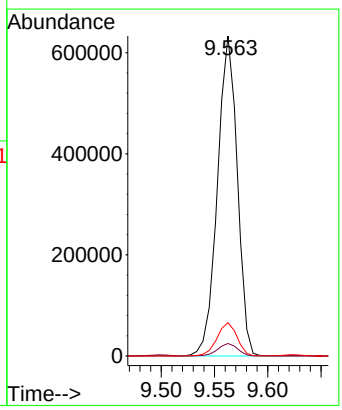
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

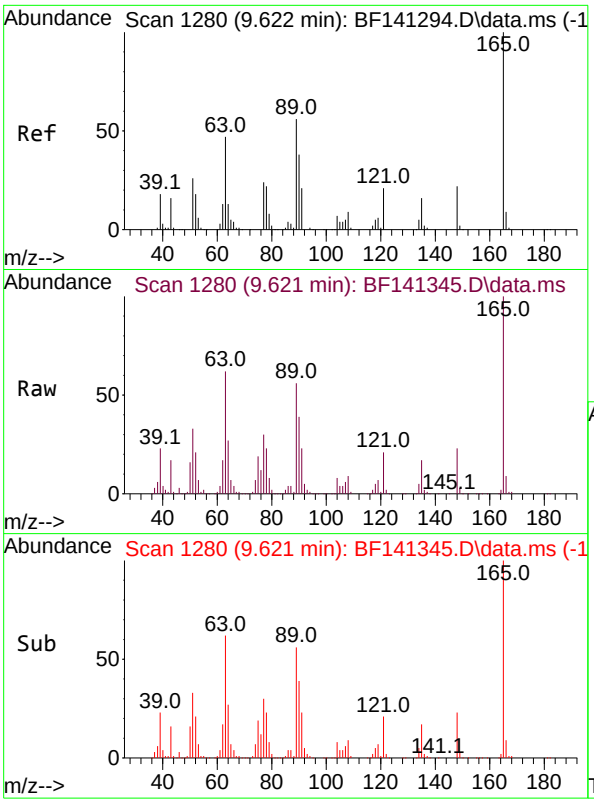


#50
Dimethylphthalate
Concen: 38.638 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:163 Resp: 818537

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.4	8.0	12.0

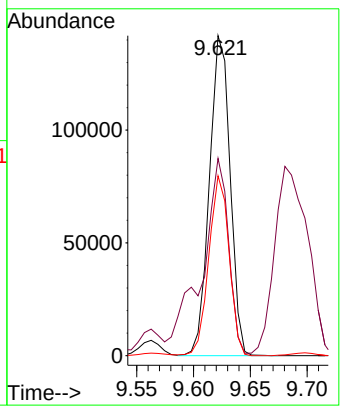




#51
2,6-Dinitrotoluene
Concen: 36.590 ng
RT: 9.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:165 Resp: 17998

Ion	Ratio	Lower	Upper
165	100		
63	61.6	48.1	72.1
89	56.2	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
357MS

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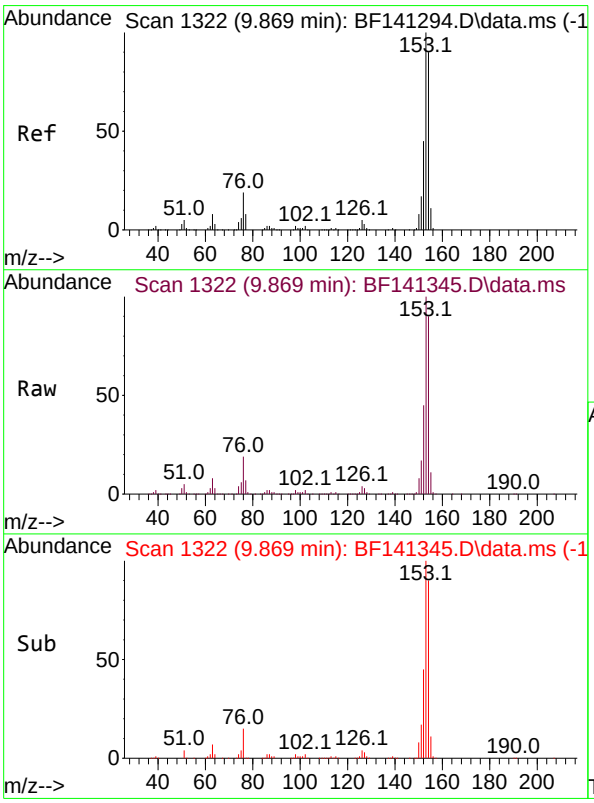
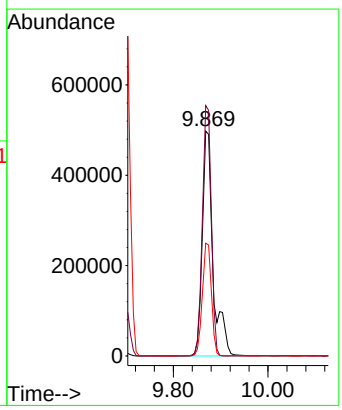
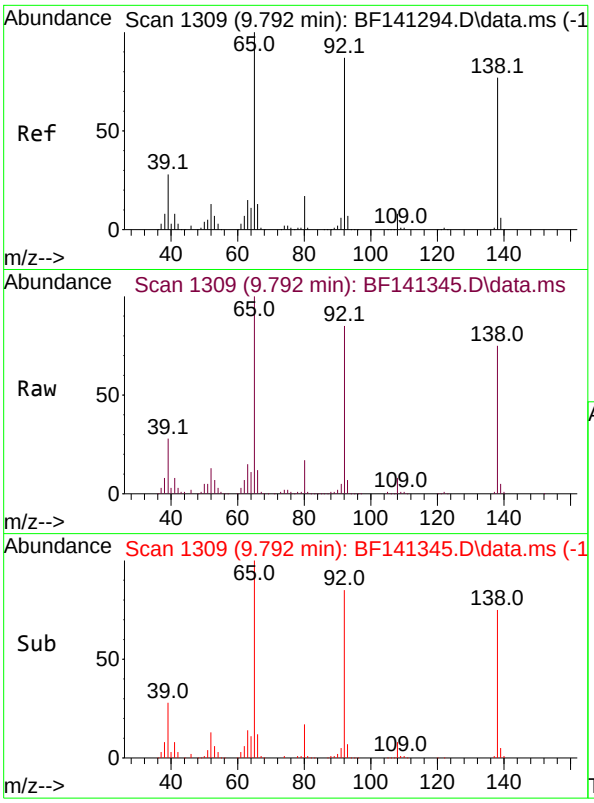


#52
Acenaphthene
Concen: 41.505 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:154 Resp: 791404

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.0	133.4
152	50.2	40.2	60.4





#53
3-Nitroaniline
Concen: 22.633 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:138 Resp: 10911

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.6	12.8
92	113.7	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
357MS

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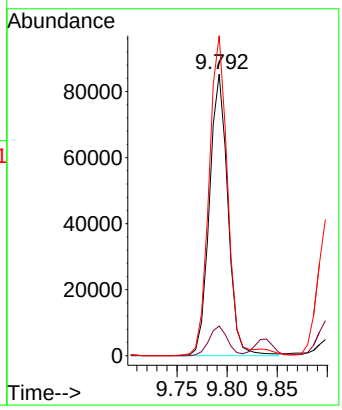
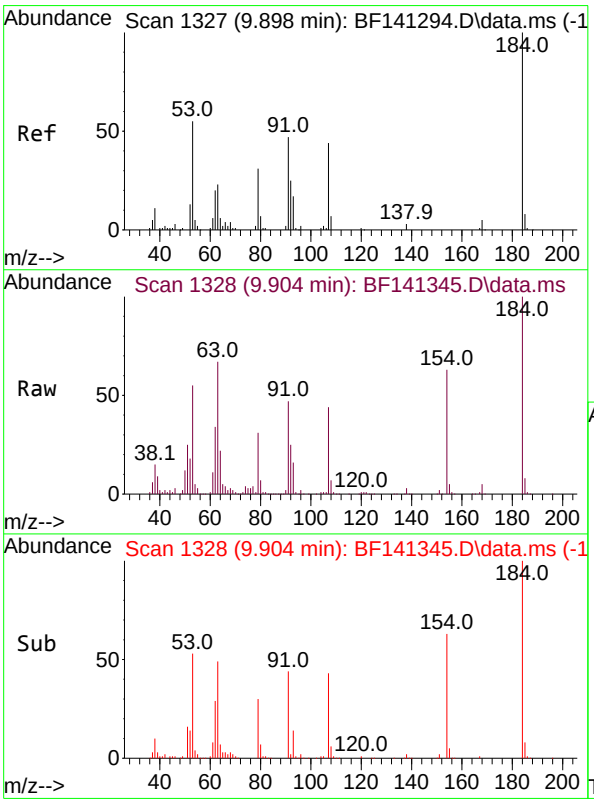
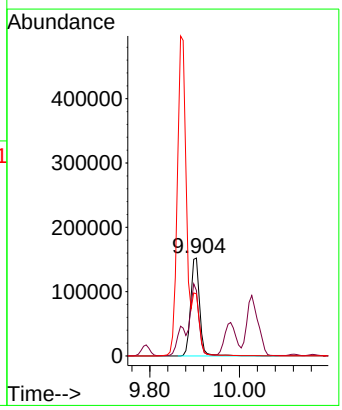


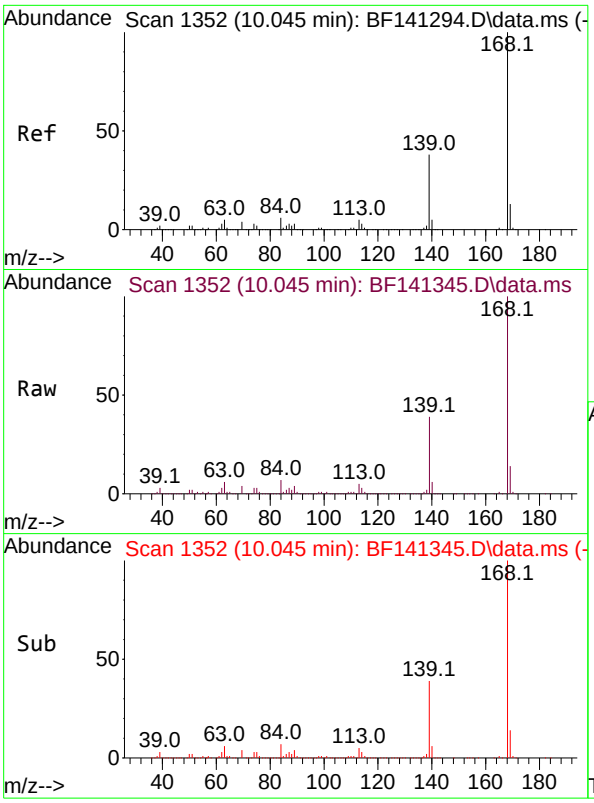


#54
2,4-Dinitrophenol
Concen: 93.135 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:184 Resp: 212958

Ion	Ratio	Lower	Upper
184	100		
63	66.8	54.1	81.1
154	63.3	50.7	76.1

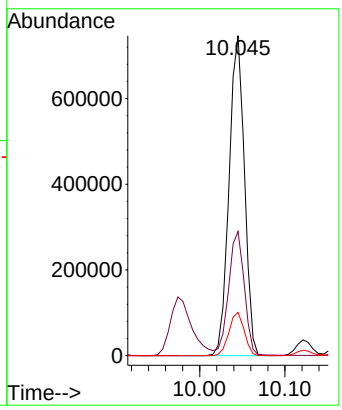




#55
Dibenzofuran
Concen: 36.797 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:168 Resp: 93917

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.6	46.0
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
357MS

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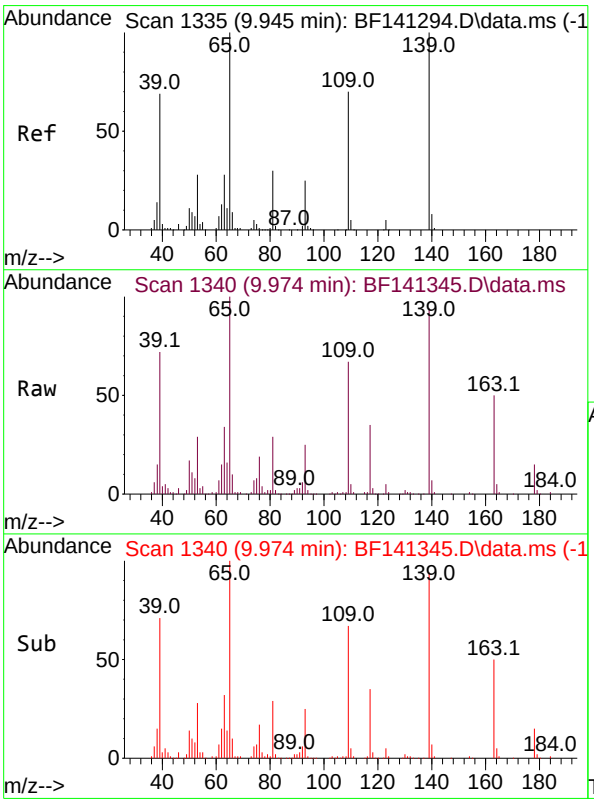
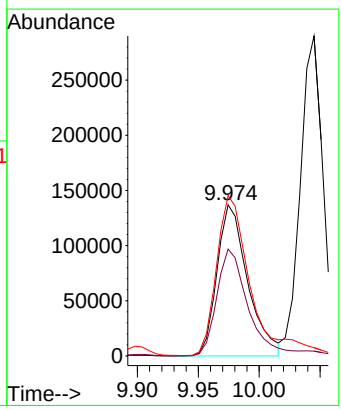
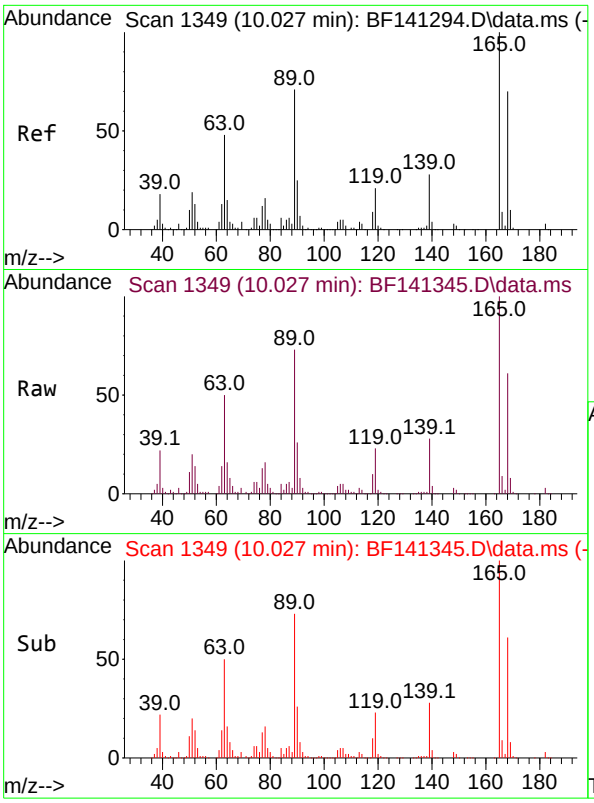


#56
4-Nitrophenol
Concen: 68.029 ng
RT: 9.974 min Scan# 1340
Delta R.T. 0.017 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:139 Resp: 239854

Ion	Ratio	Lower	Upper
139	100		
109	70.8	50.2	90.2
65	106.2	80.6	120.6

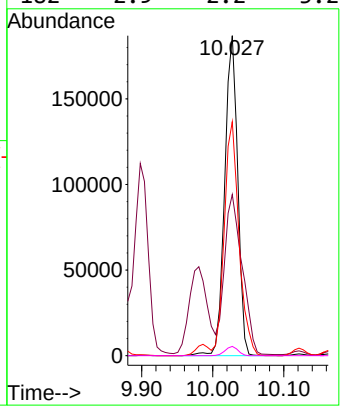




#57
2,4-Dinitrotoluene
Concen: 37.198 ng
RT: 10.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:165 Resp: 23689

Ion	Ratio	Lower	Upper
165	100		
63	50.3	39.2	58.8
89	73.1	56.9	85.3
182	2.9	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
357MS

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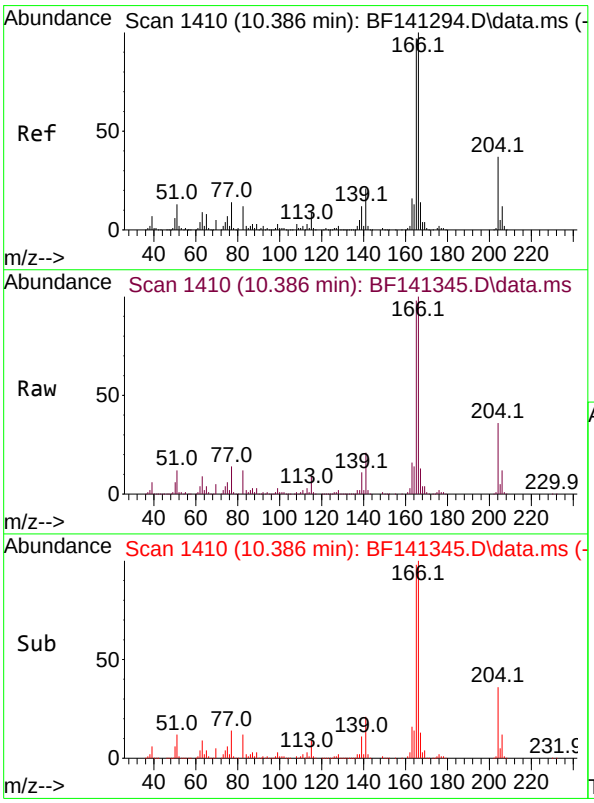
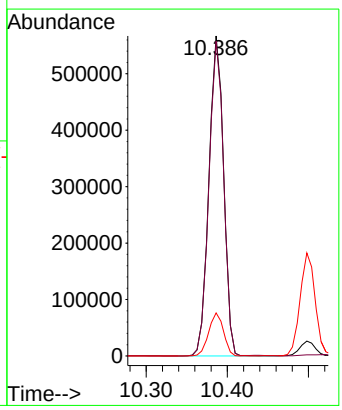
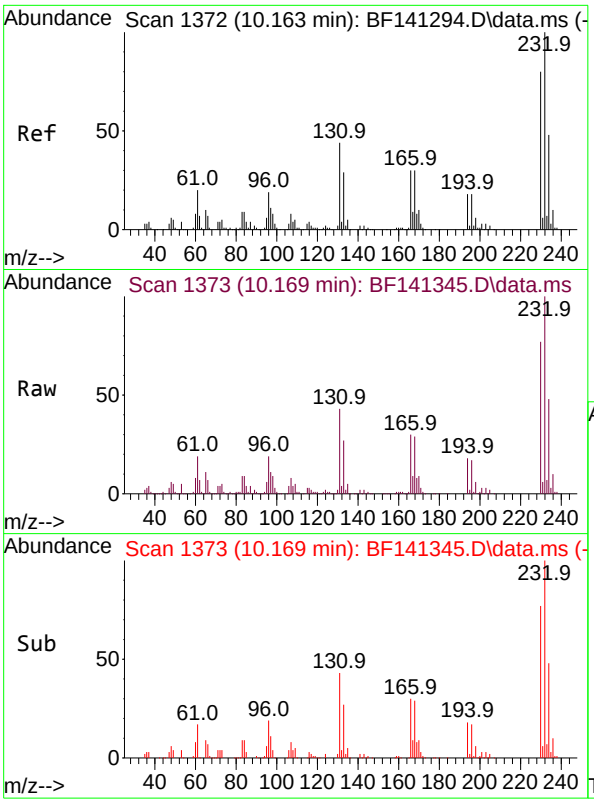


#58
Fluorene
Concen: 35.991 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:166 Resp: 712526

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.5	116.3
167	13.5	10.9	16.3

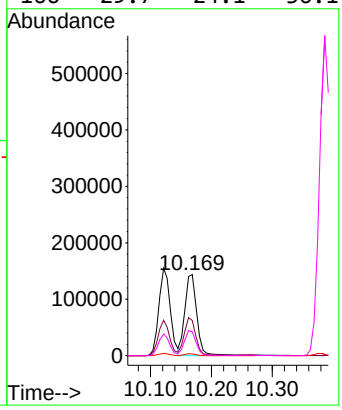




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.268 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:232 Resp: 19638

Ion	Ratio	Lower	Upper
232	100		
131	45.4	36.4	54.6
130	2.2	1.9	2.9
166	29.7	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
357MS

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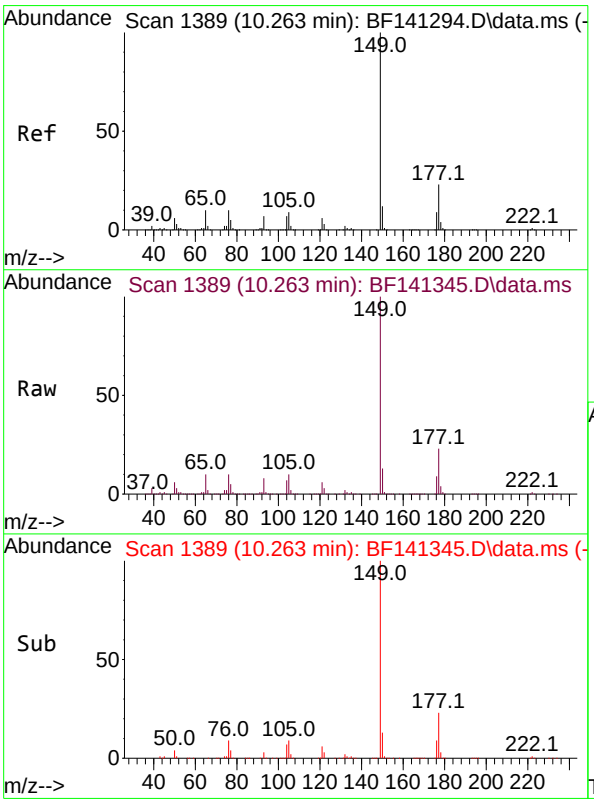
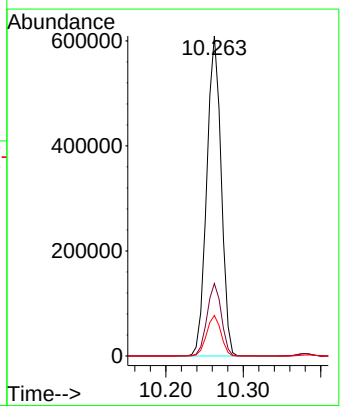
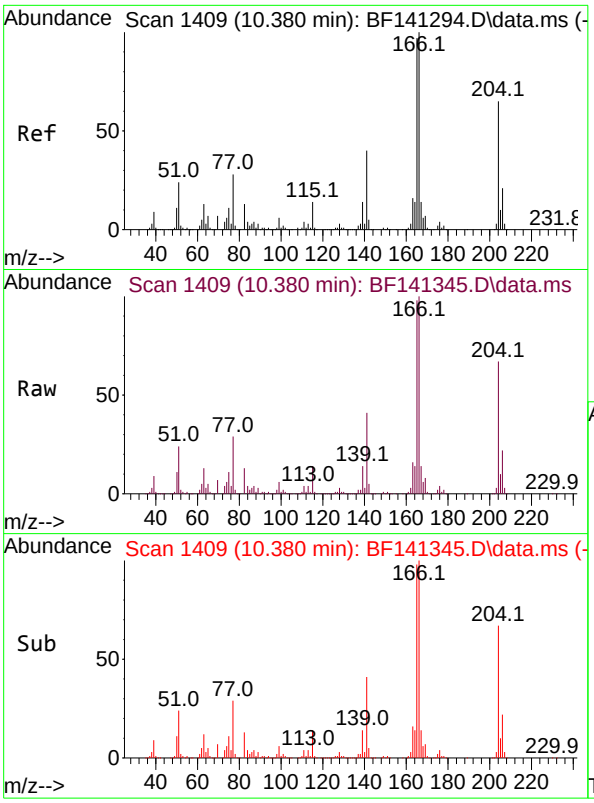


#60
Diethylphthalate
Concen: 38.209 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:149 Resp: 784853

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 36.192 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:204 Resp: 34999

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	61.9	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
357MS

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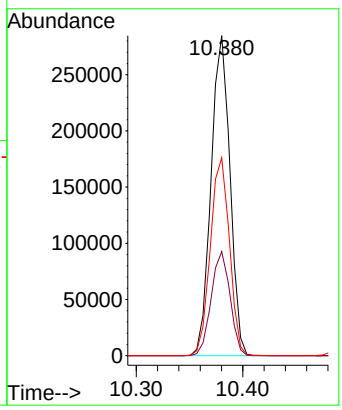
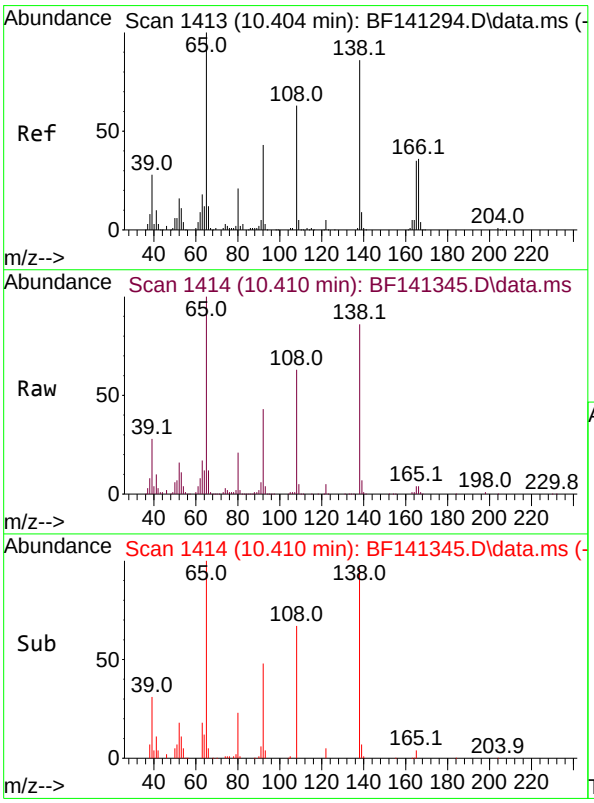
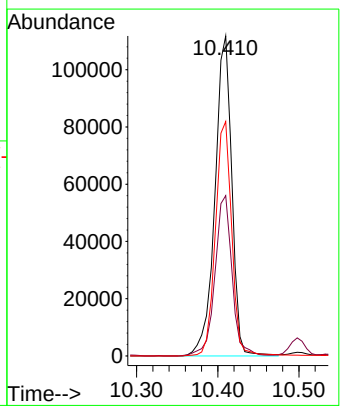


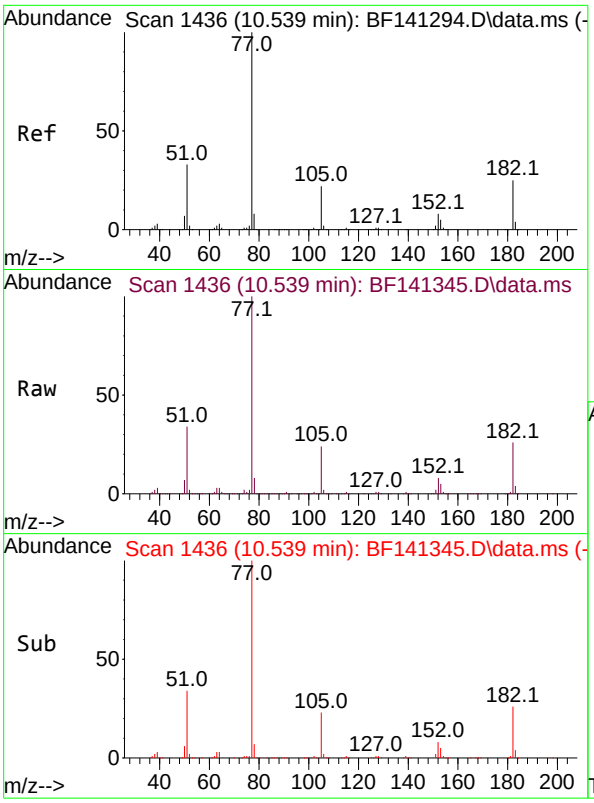


#62
4-Nitroaniline
Concen: 34.148 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:138 Resp: 161854

Ion	Ratio	Lower	Upper
138	100		
92	50.1	30.1	70.1
108	73.2	53.1	93.1

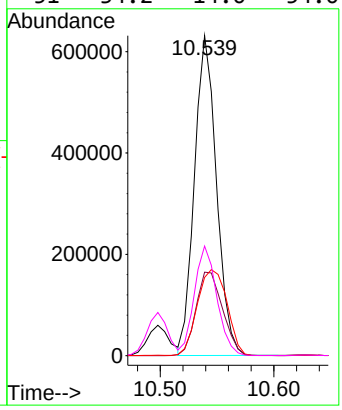




#63
Azobenzene
Concen: 41.435 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 77 Resp: 85196

Ion	Ratio	Lower	Upper
77	100		
182	26.1	5.1	45.1
105	24.5	1.8	41.8
51	34.2	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
357MS

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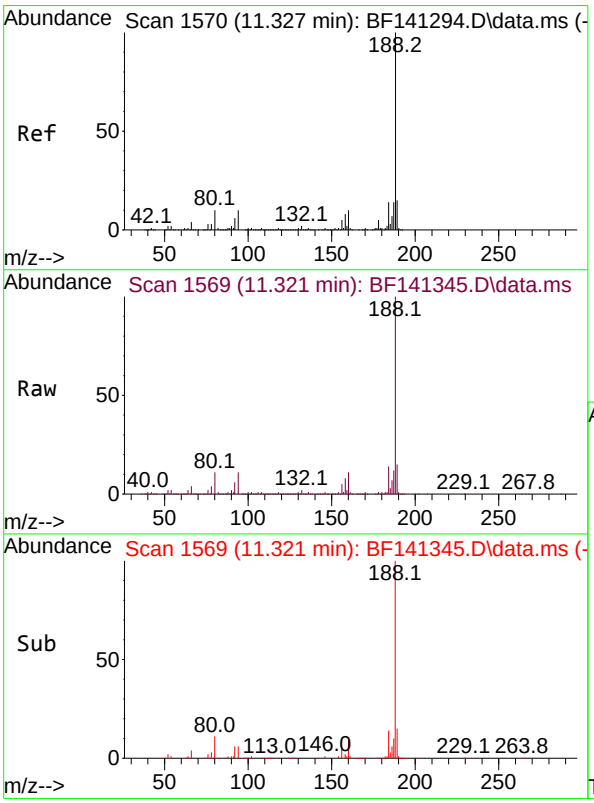
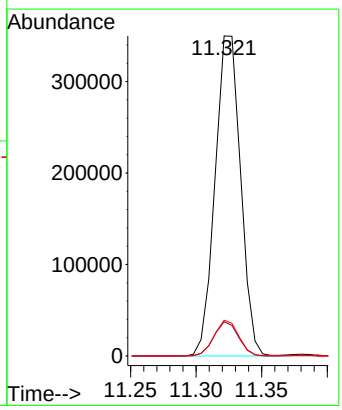
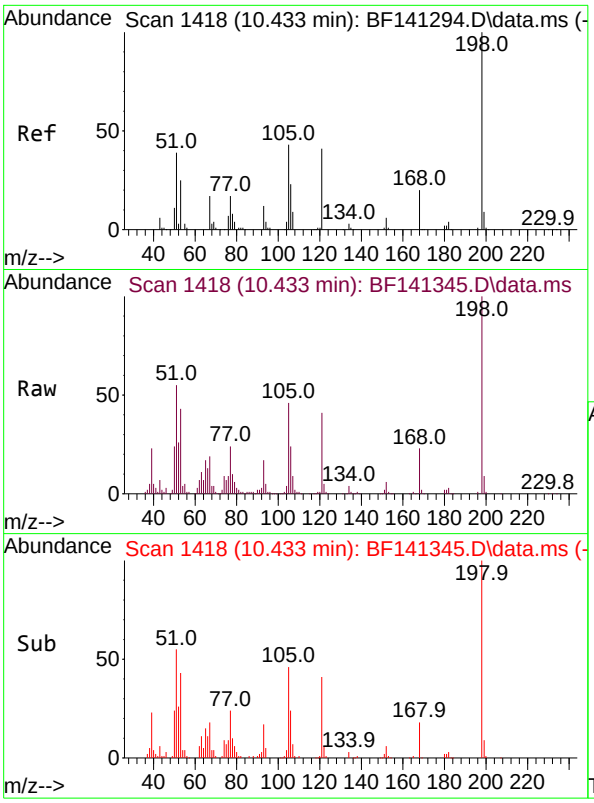


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:188 Resp: 473142

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.2	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 47.245 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:198 Resp: 13222

Ion	Ratio	Lower	Upper
198	100		
51	54.9	33.4	73.4
105	45.8	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
357MS

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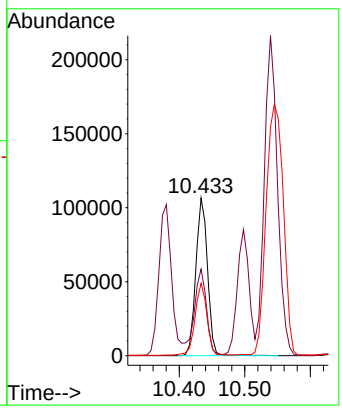
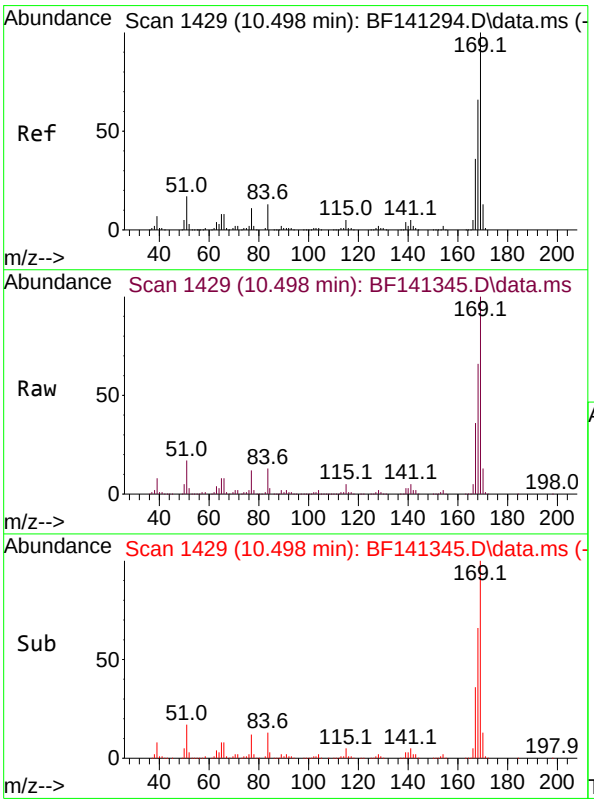
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

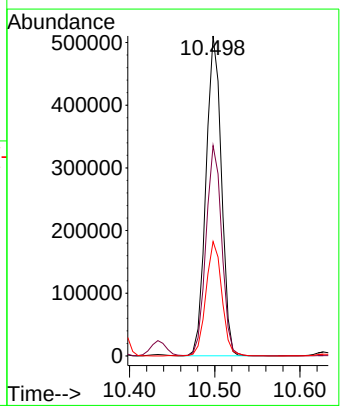


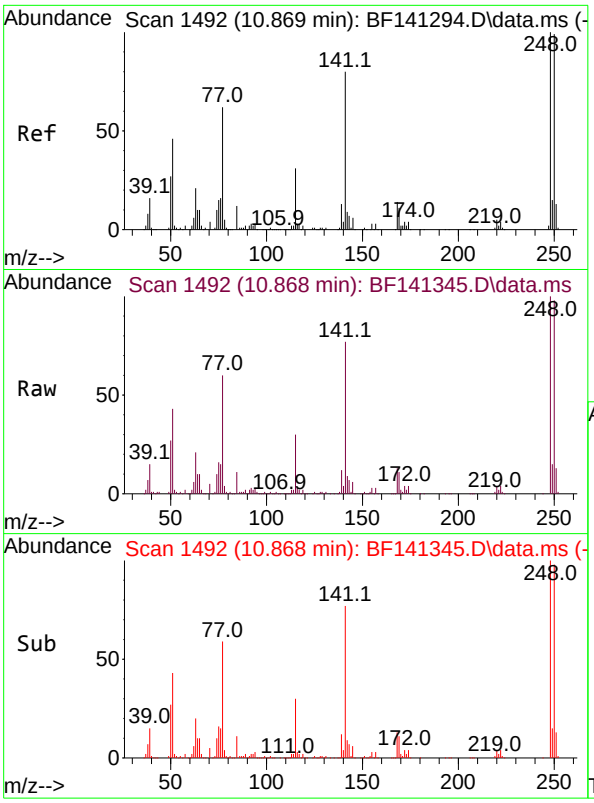


#66
n-Nitrosodiphenylamine
Concen: 41.957 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:169 Resp: 642080

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.4
167	35.8	28.8	43.2

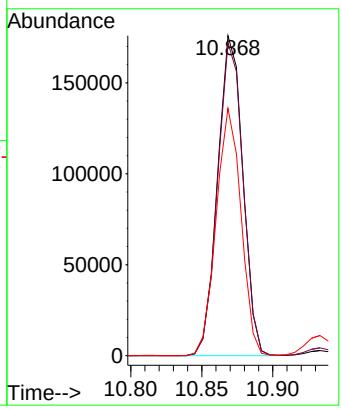




#67
4-Bromophenyl-phenylether
Concen: 41.124 ng
RT: 10.868 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:248 Resp: 21783

Ion	Ratio	Lower	Upper
248	100		
250	97.9	79.0	118.4
141	77.3	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
357MS

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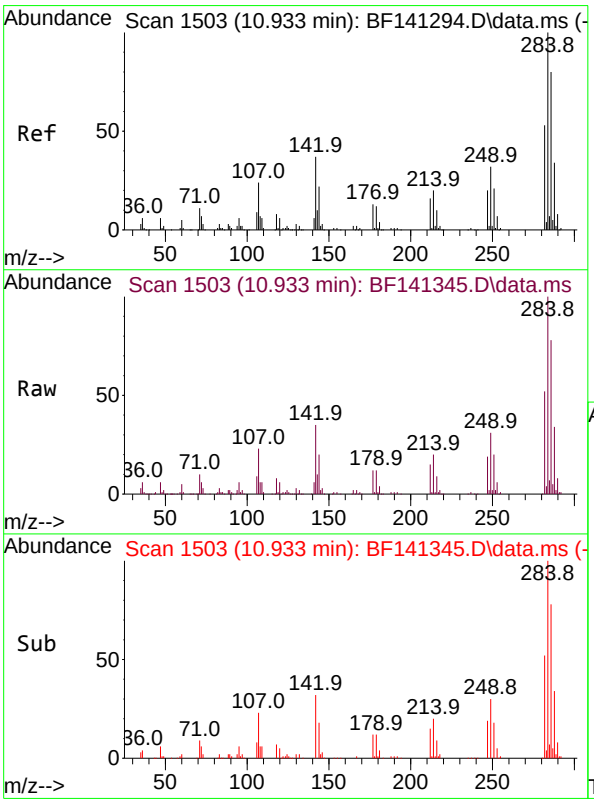
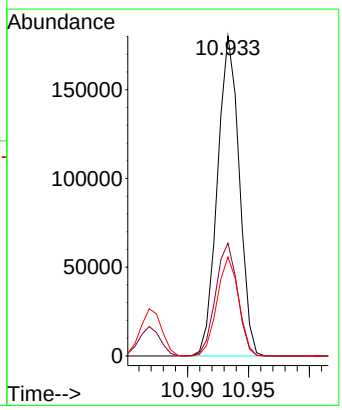
Supervised By :mohammad ahmed 02/04/2025

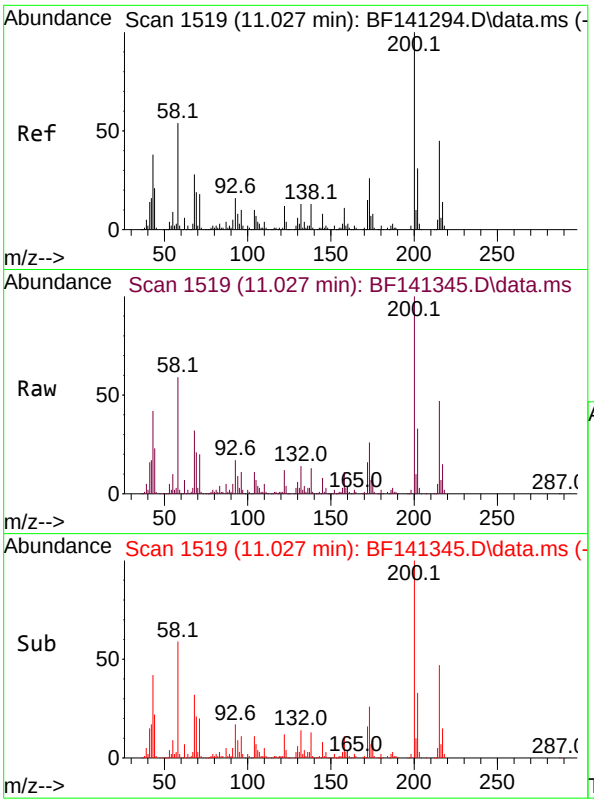


#68
Hexachlorobenzene
Concen: 39.975 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:284 Resp: 224609

Ion	Ratio	Lower	Upper
284	100		
142	35.3	29.5	44.3
249	30.9	25.4	38.2

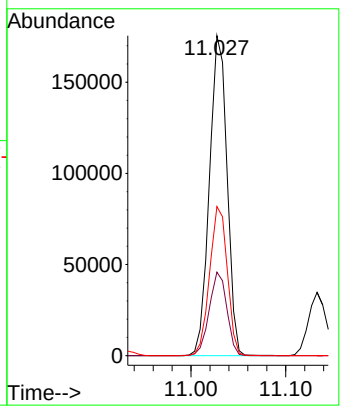




#69
Atrazine
Concen: 44.300 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:200 Resp: 22666

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.9	45.9
215	46.6	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
357MS

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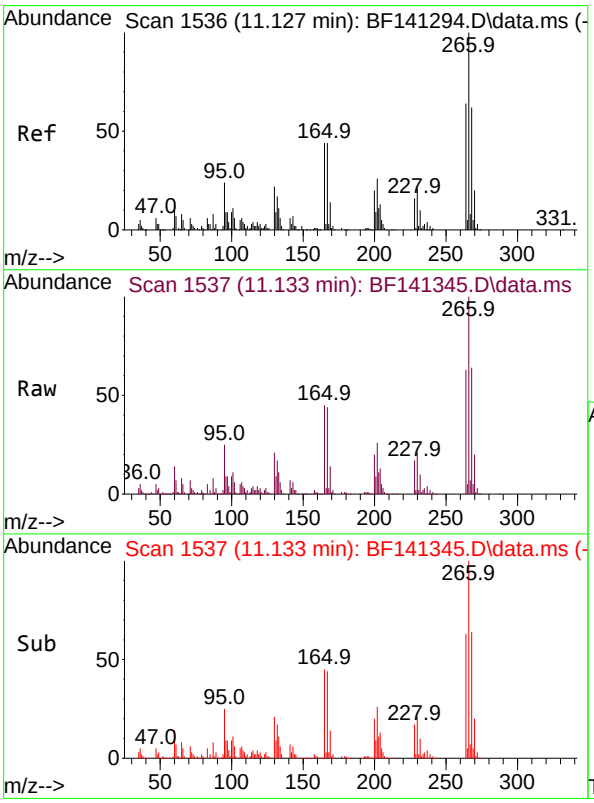
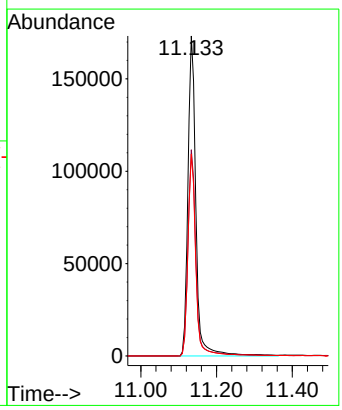
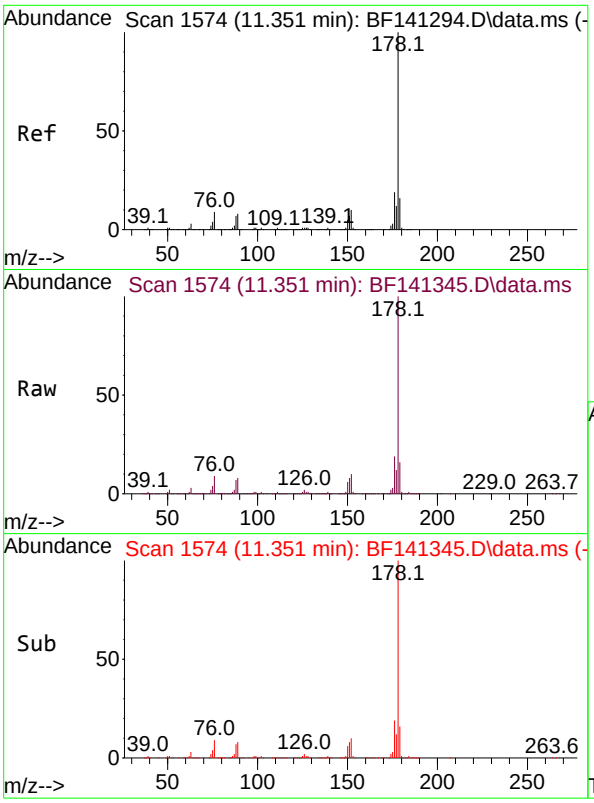


#70
Pentachlorophenol
Concen: 76.609 ng
RT: 11.133 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:266 Resp: 252064

Ion	Ratio	Lower	Upper
266	100		
268	64.5	49.9	74.9
264	63.1	51.0	76.4

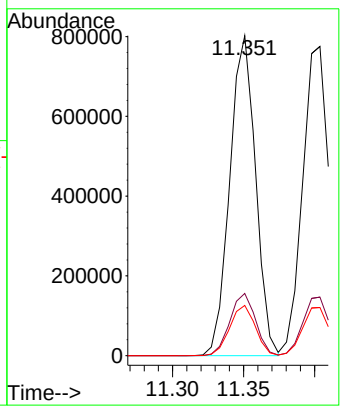




#71
Phenanthrene
Concen: 39.897 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:178 Resp: 101471

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
357MS

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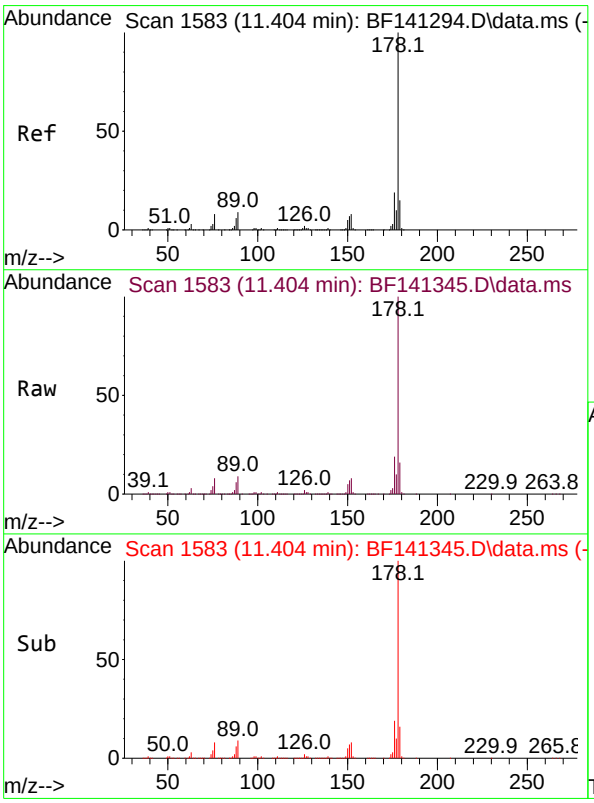
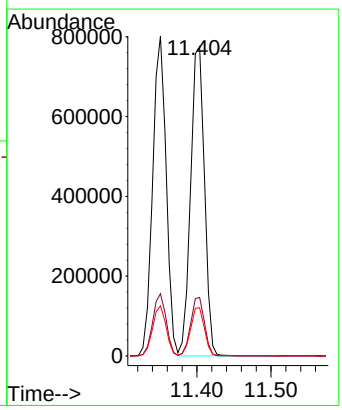
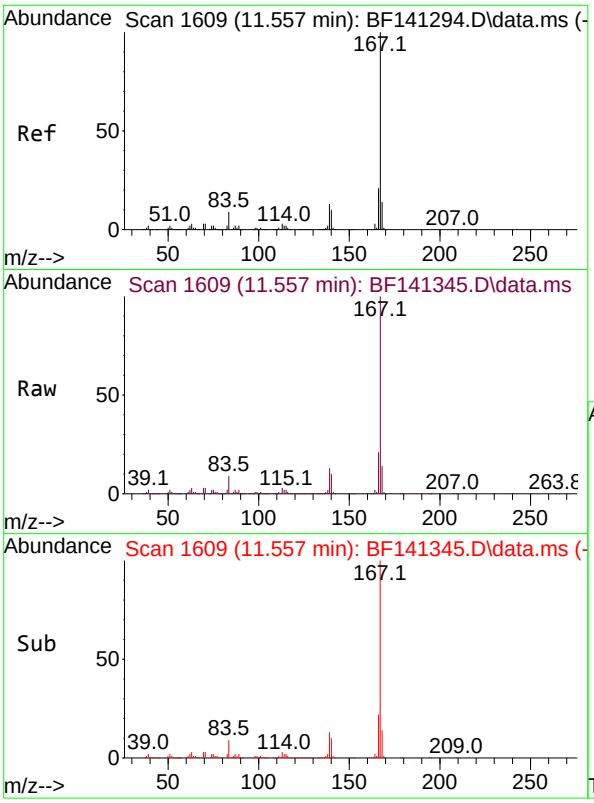


#72
Anthracene
Concen: 40.409 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:178 Resp: 1006998

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.6	12.3	18.5

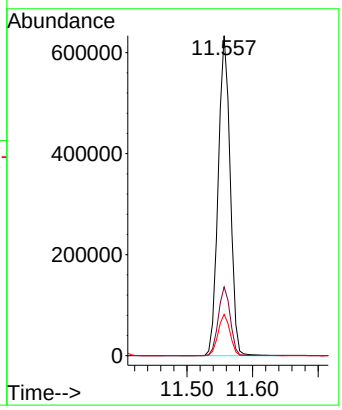




#73
Carbazole
Concen: 36.217 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:167 Resp: 80028

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	12.9	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
357MS

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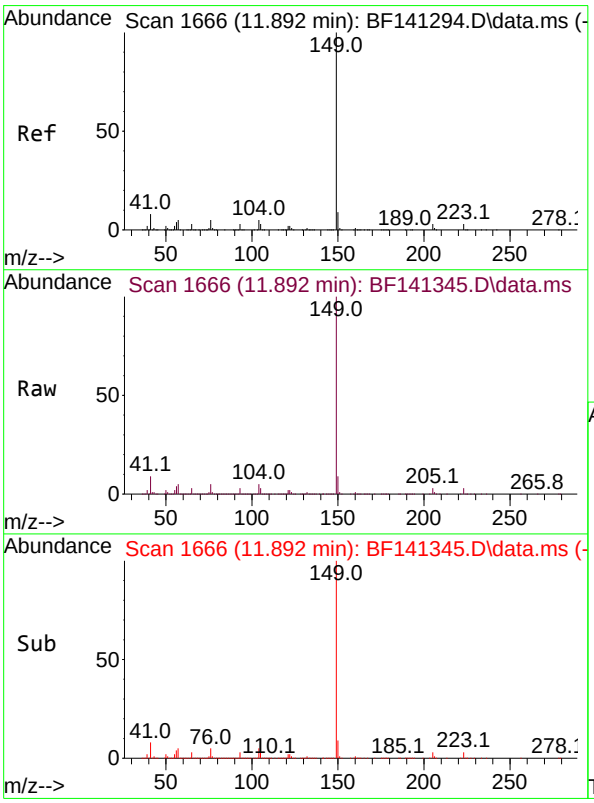
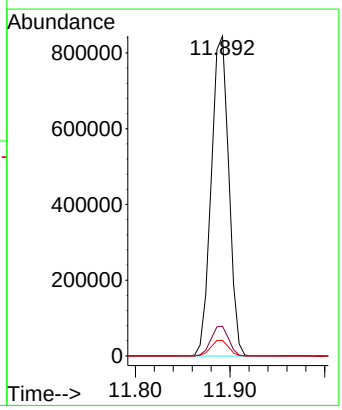
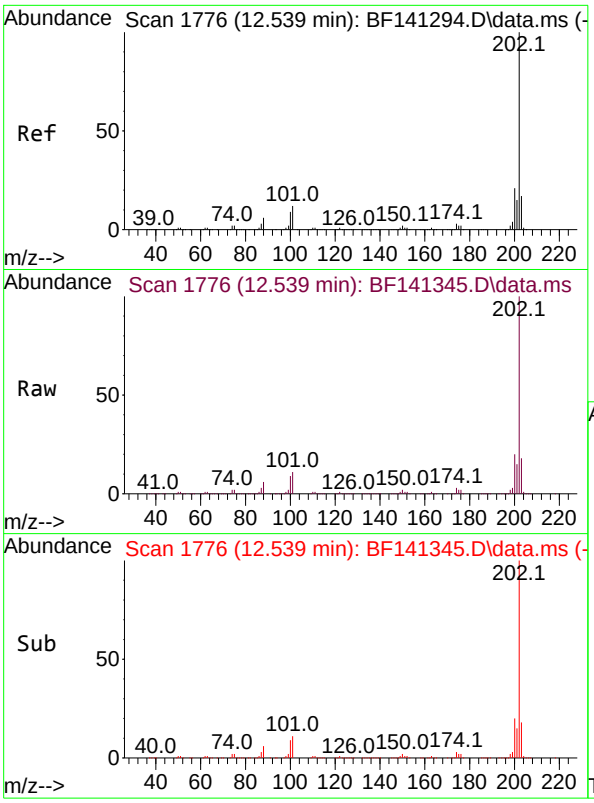


#74
Di-n-butylphthalate
Concen: 40.554 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:149 Resp: 1086017

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9





#75
Fluoranthene
Concen: 35.790 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:202 Resp: 89879

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.7
203	17.6	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
357MS

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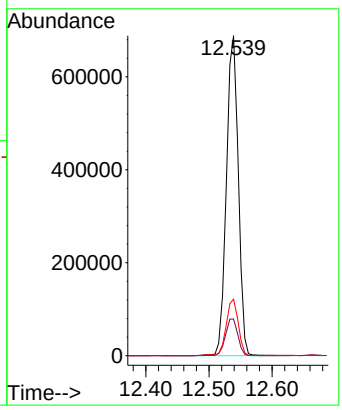
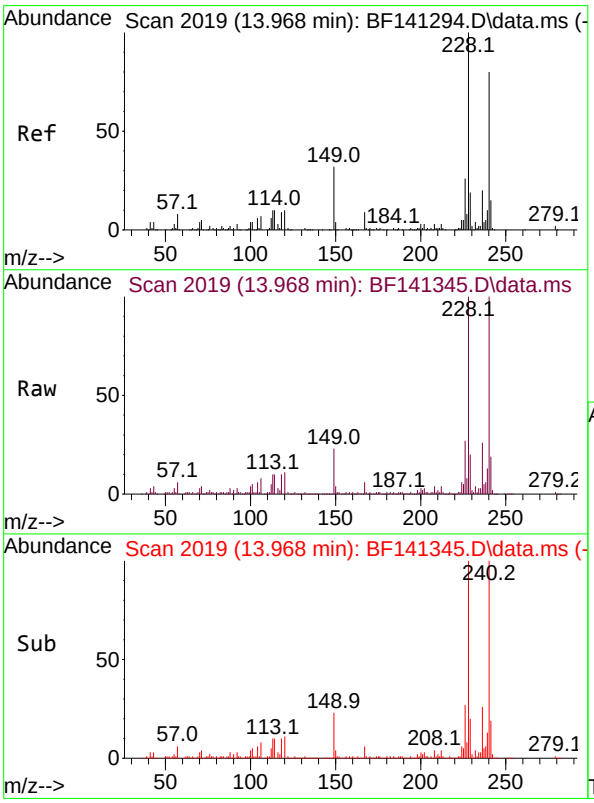
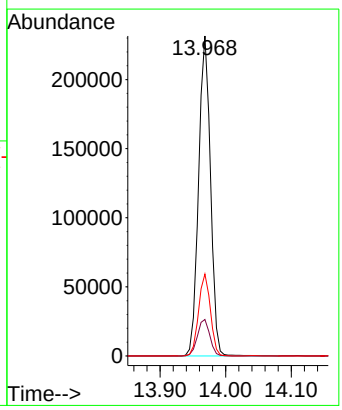


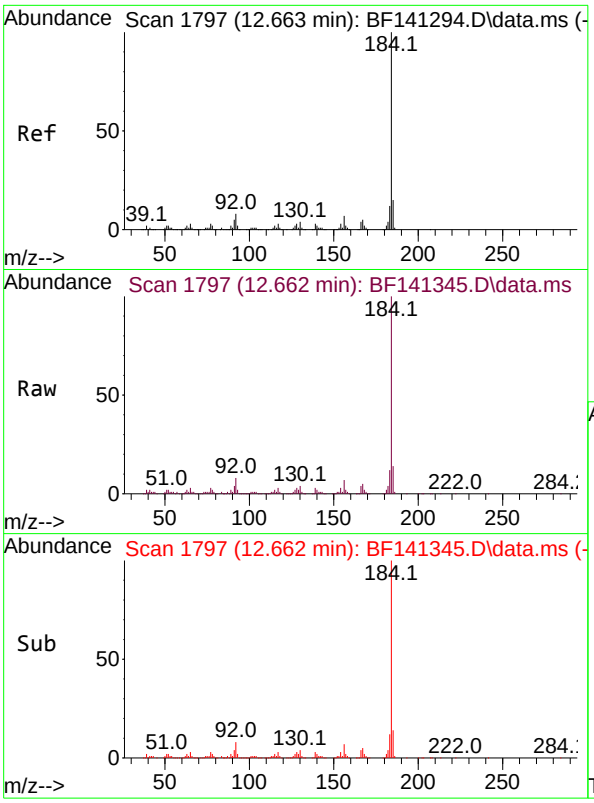


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:240 Resp: 293043

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.0	15.0
236	25.6	19.7	29.5

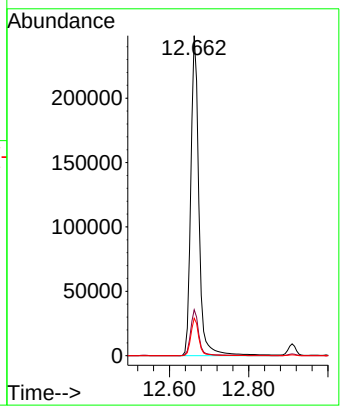




#77
Benzidine
Concen: 37.728 ng
RT: 12.662 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:184 Resp: 35443

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
357MS

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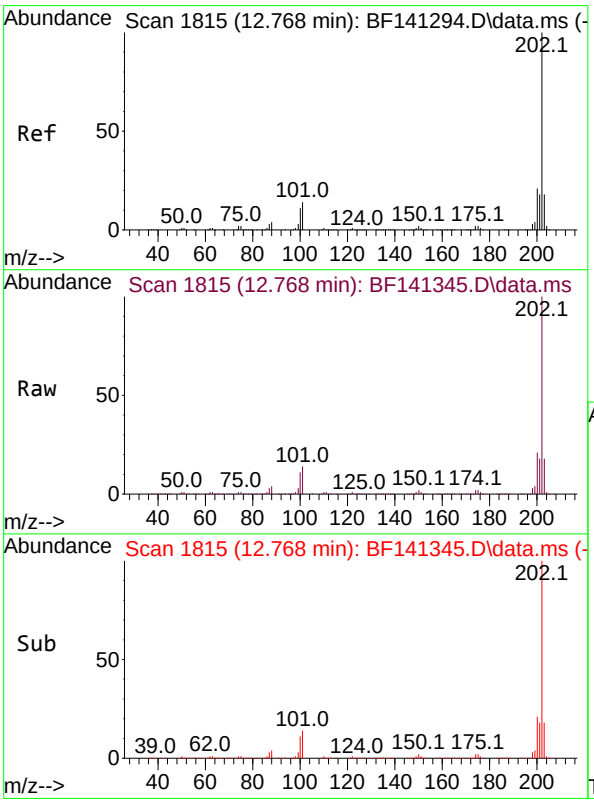
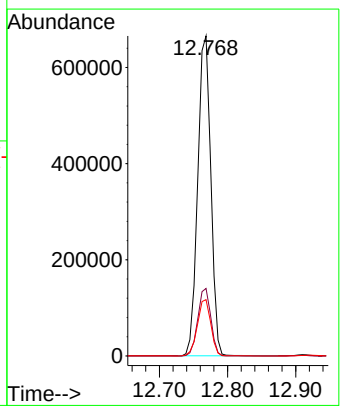
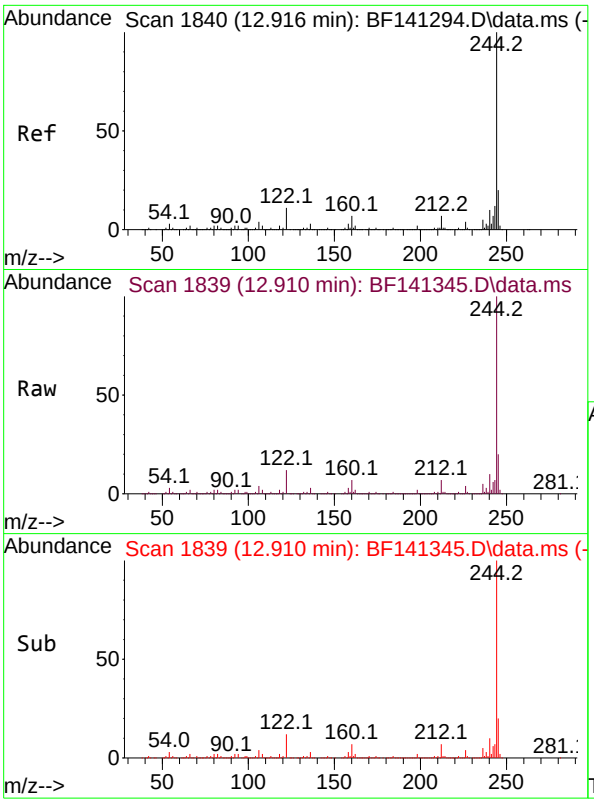


#78
Pyrene
Concen: 31.552 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:202 Resp: 887523

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.6	14.3	21.5

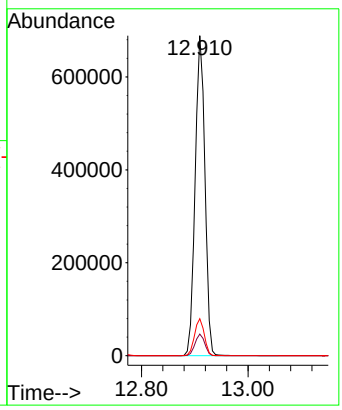




#79
Terphenyl-d14
Concen: 46.027 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:244 Resp: 87460

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.6	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
357MS

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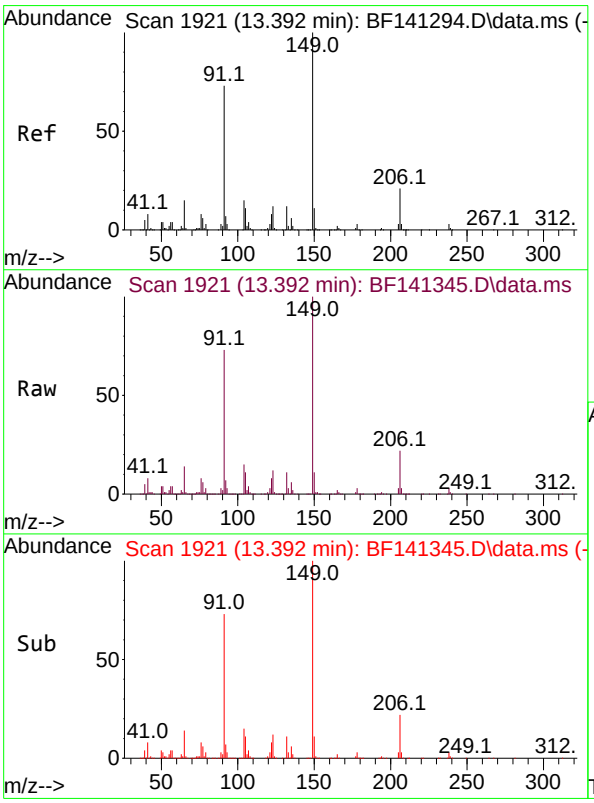
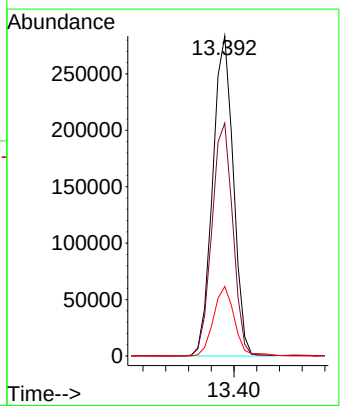
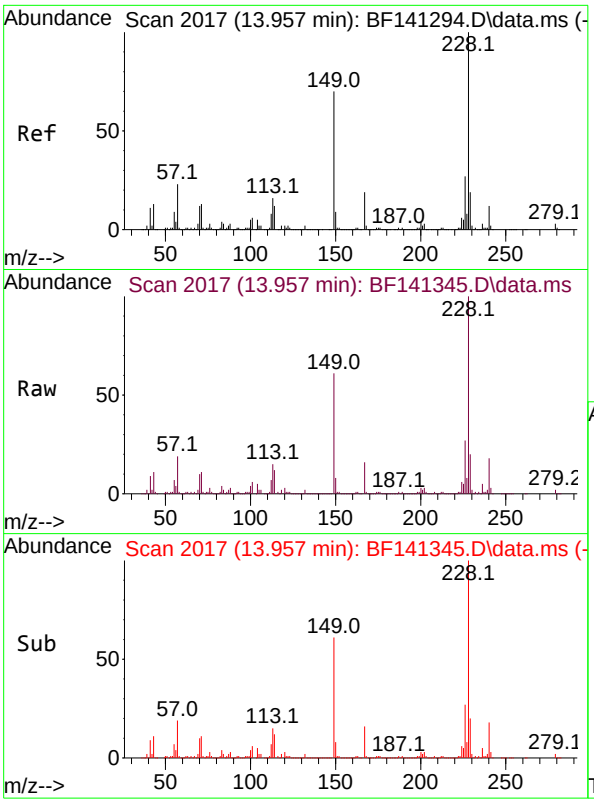


#80
Butylbenzylphthalate
Concen: 36.444 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:149 Resp: 358143

Ion	Ratio	Lower	Upper
149	100		
91	72.8	58.6	87.8
206	21.7	16.7	25.1

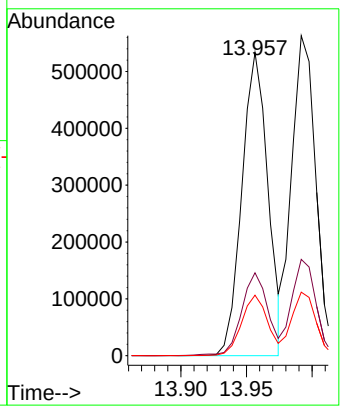




#81
Benzo(a)anthracene
Concen: 36.408 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:228 Resp: 73623

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.9	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
357MS

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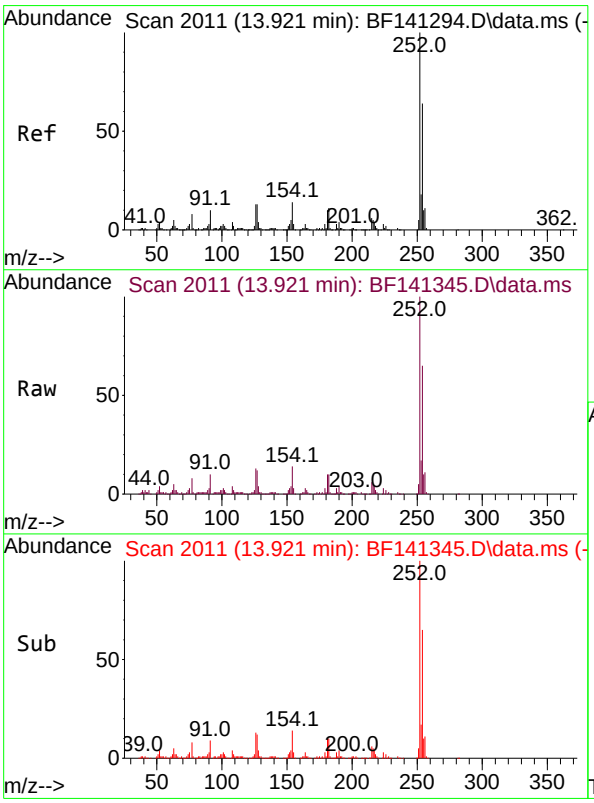
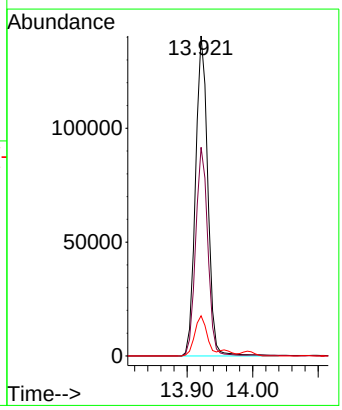
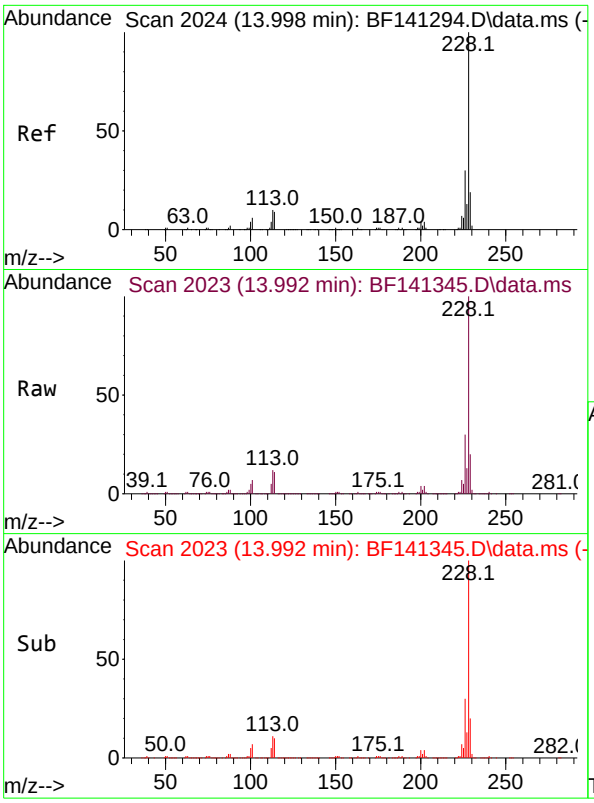


#82
3,3'-Dichlorobenzidine
Concen: 28.589 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:252 Resp: 183871

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.3	76.9
126	12.6	10.0	15.0

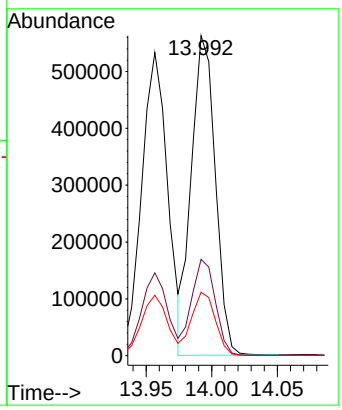




#83
Chrysene
Concen: 38.560 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:228 Resp: 71461

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.9	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
357MS

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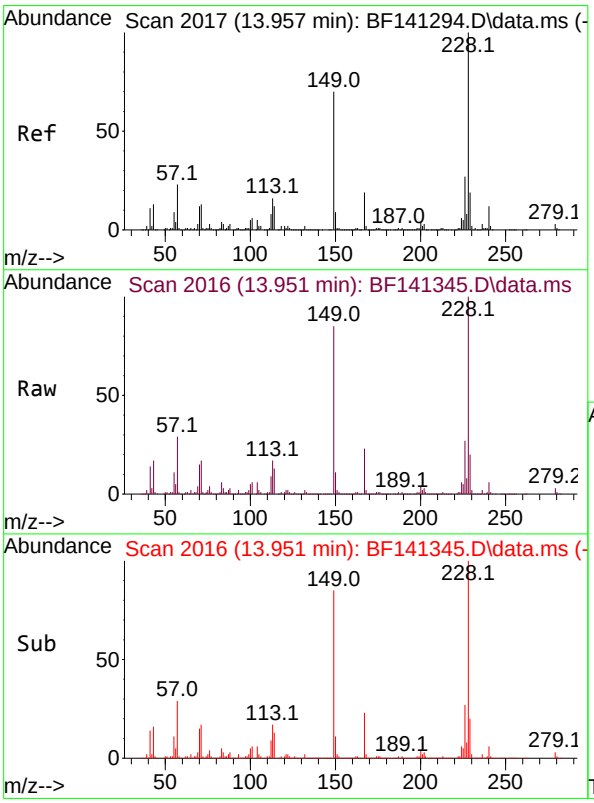
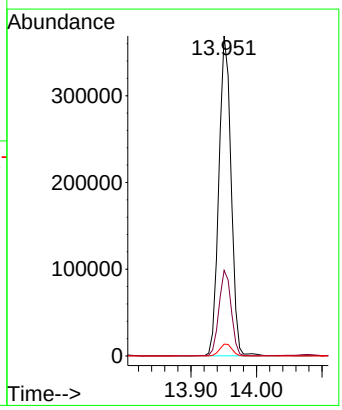
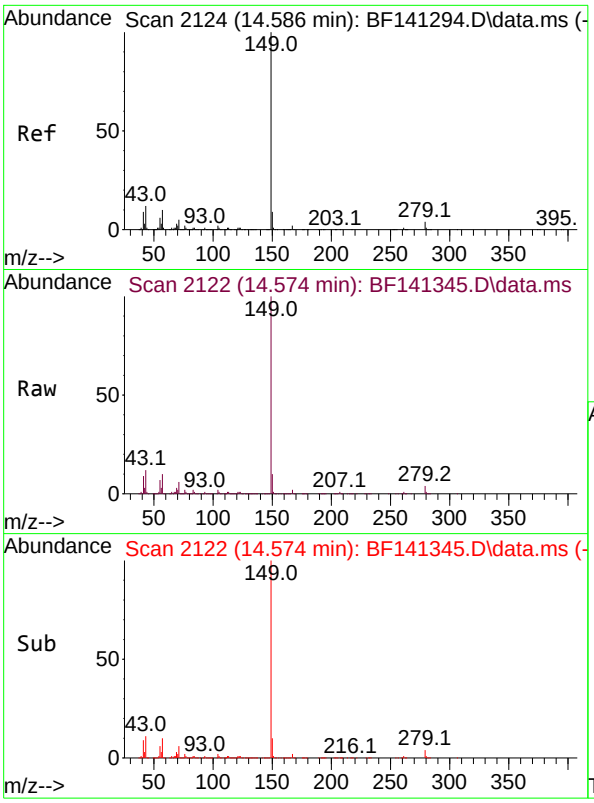


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.934 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:149 Resp: 472896

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.8
279	3.7	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 43.490 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

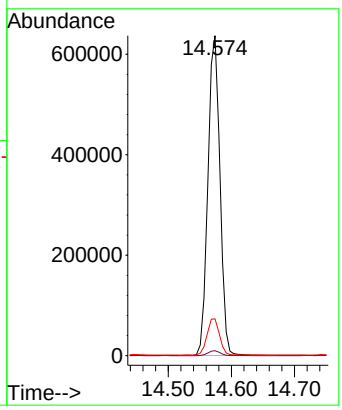
Tgt Ion:149 Resp: 84206

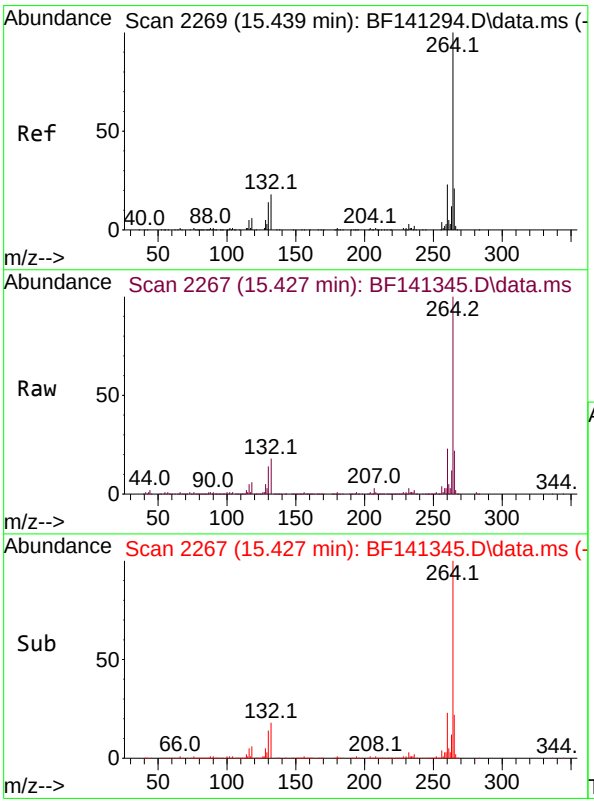
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	11.9	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

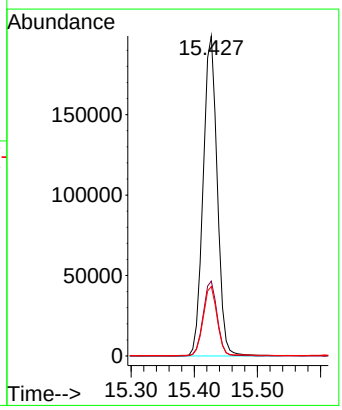


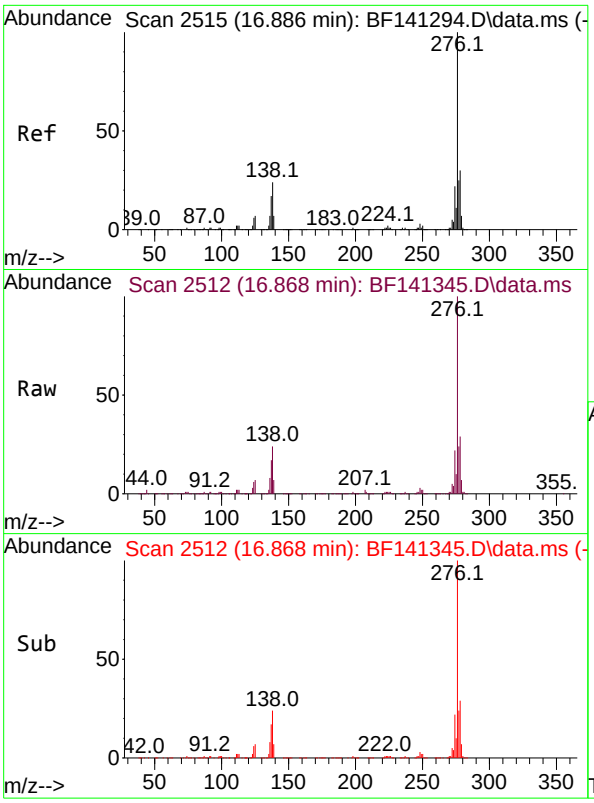


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:264 Resp: 307605

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.7	16.7	25.1

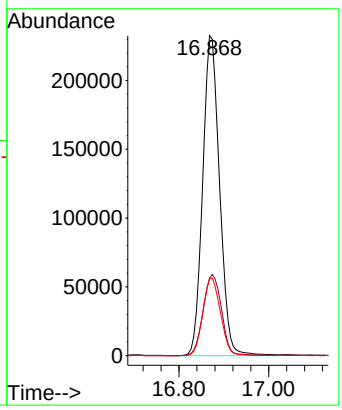




#87
Indeno(1,2,3-cd)pyrene
Concen: 30.643 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:276 Resp: 60836

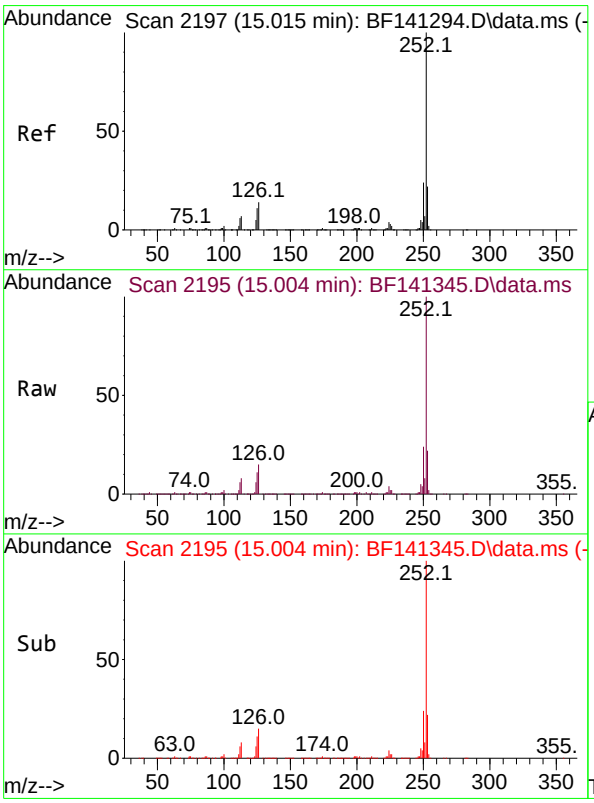
Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.7	32.5
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
APPROVED

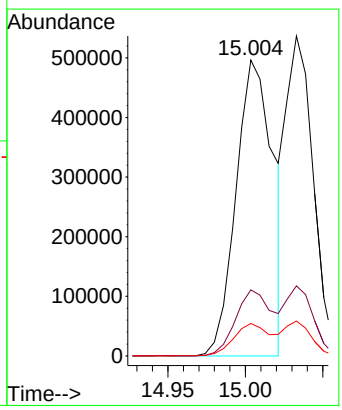
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

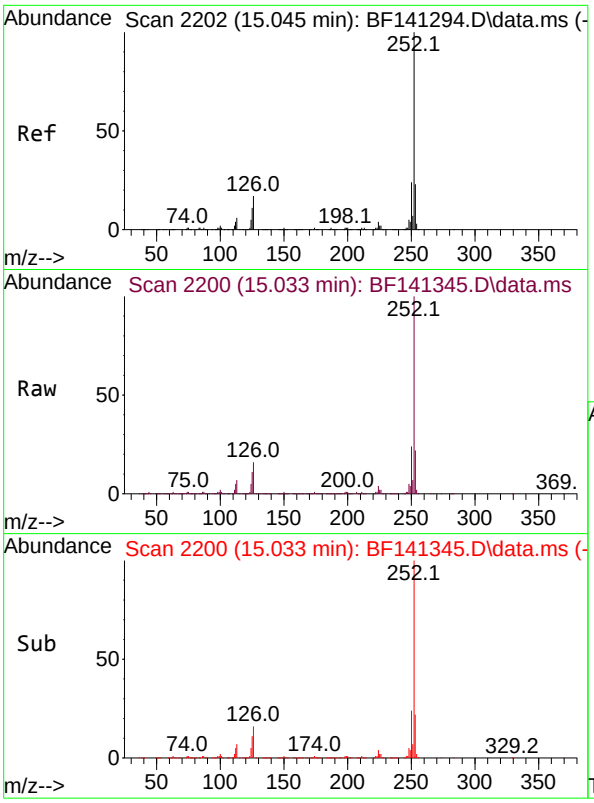


#88
Benzo(b)fluoranthene
Concen: 42.754 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:252 Resp: 827249

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	11.0	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 37.852 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

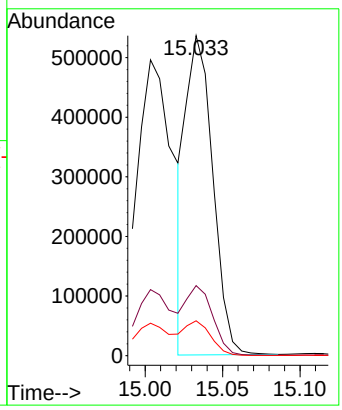
Tgt Ion:252 Resp: 64881

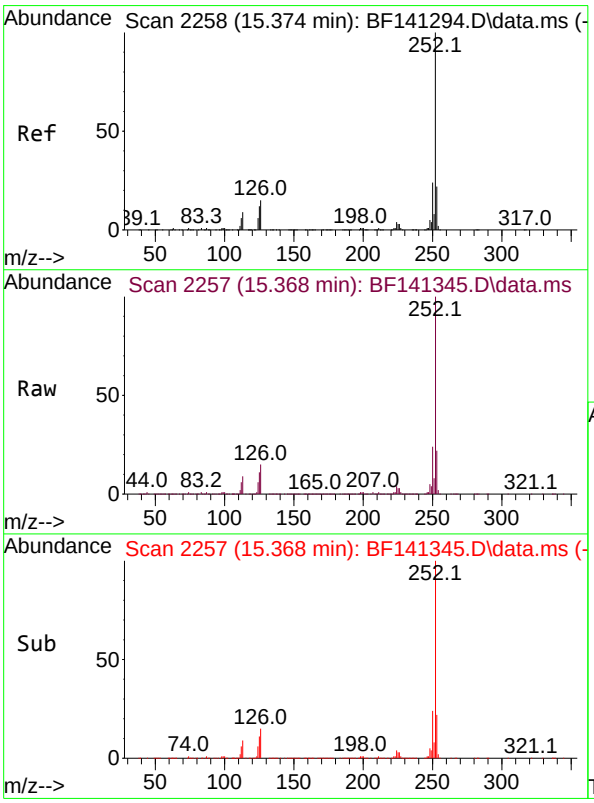
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.9	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

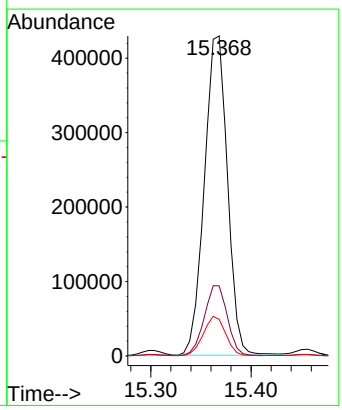


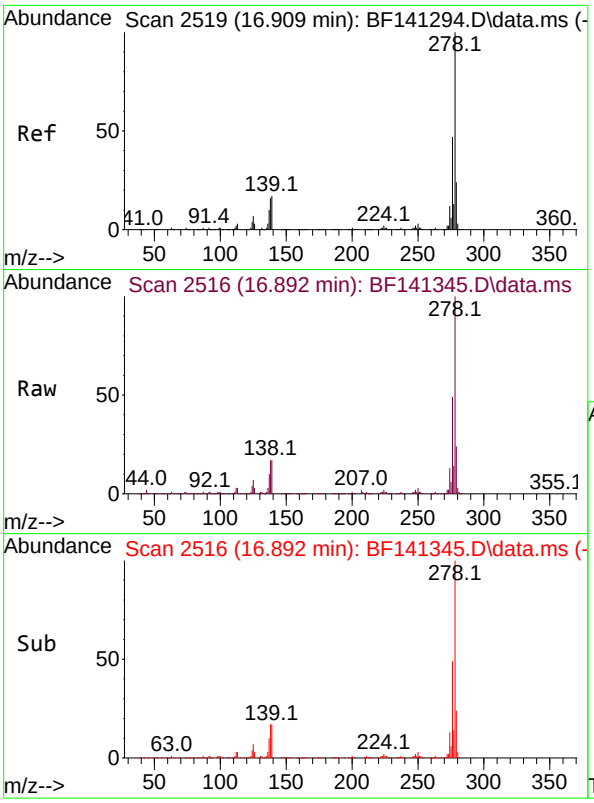


#90
Benzo(a)pyrene
Concen: 42.094 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:252 Resp: 688279

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.4	9.4	14.2

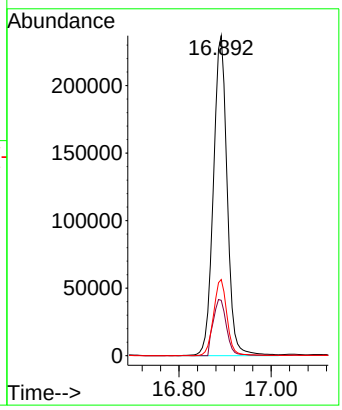




#91
Dibenzo(a,h)anthracene
Concen: 30.801 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:278 Resp: 49198

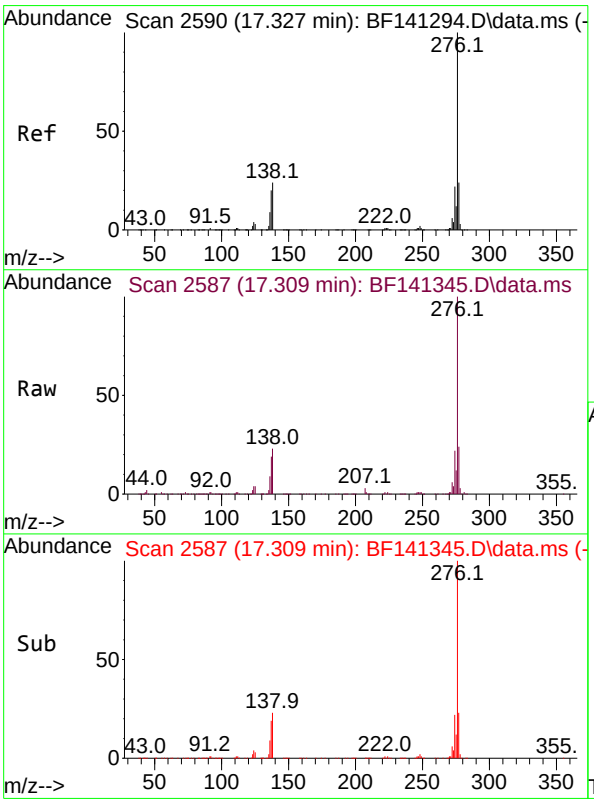
Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.9	20.9
279	23.8	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations
APPROVED

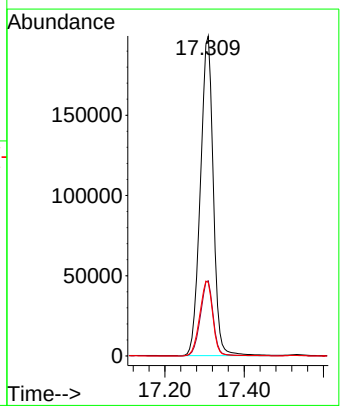
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 27.104 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.036 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:276 Resp: 450156

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	23.0	19.0	28.4



Raw Data: **BF141346.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MSD	SDG No.:	Q1241
Lab Sample ID:	Q1239-10MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141346.D	1	01/31/25 10:20	01/31/25 21:50	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		130	230	ug/Kg
108-95-2	Phenol	920		58.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		59.2	120	ug/Kg
95-57-8	2-Chlorophenol	950		59.0	120	ug/Kg
95-48-7	2-Methylphenol	900		57.0	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	920		64.3	120	ug/Kg
98-86-2	Acetophenone	1100		61.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	970		56.4	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	940		28.5	56.6	ug/Kg
67-72-1	Hexachloroethane	910		58.7	120	ug/Kg
98-95-3	Nitrobenzene	910		64.2	120	ug/Kg
78-59-1	Isophorone	960		59.8	120	ug/Kg
88-75-5	2-Nitrophenol	970		66.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		65.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		60.7	120	ug/Kg
120-83-2	2,4-Dichlorophenol	950		53.4	120	ug/Kg
91-20-3	Naphthalene	900		58.4	120	ug/Kg
106-47-8	4-Chloroaniline	240		58.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	890		58.9	120	ug/Kg
105-60-2	Caprolactam	1100		61.4	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	930		54.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	890		58.3	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	110	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970		50.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		52.3	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		61.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	900		58.9	120	ug/Kg
88-74-4	2-Nitroaniline	950		67.2	120	ug/Kg
131-11-3	Dimethylphthalate	970		57.8	120	ug/Kg

Raw Data: **BF141346.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MSD	SDG No.:	Q1241
Lab Sample ID:	Q1239-10MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141346.D	1	01/31/25 10:20	01/31/25 21:50	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	990		61.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	910		58.8	120	ug/Kg
99-09-2	3-Nitroaniline	550		63.1	120	ug/Kg
83-32-9	Acenaphthene	1000		57.3	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	170	230	ug/Kg
100-02-7	4-Nitrophenol	1700		82.0	230	ug/Kg
132-64-9	Dibenzofuran	920		59.7	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	930		61.0	120	ug/Kg
84-66-2	Diethylphthalate	950		56.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900		60.5	120	ug/Kg
86-73-7	Fluorene	900		60.5	120	ug/Kg
100-01-6	4-Nitroaniline	870		75.7	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		82.7	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		57.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		55.8	120	ug/Kg
118-74-1	Hexachlorobenzene	990		60.1	120	ug/Kg
1912-24-9	Atrazine	1100		64.6	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	54.7	230	ug/Kg
85-01-8	Phenanthrene	1000		59.4	120	ug/Kg
120-12-7	Anthracene	1000		59.7	120	ug/Kg
86-74-8	Carbazole	920		56.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		59.6	120	ug/Kg
206-44-0	Fluoranthene	920		57.8	120	ug/Kg
129-00-0	Pyrene	810		58.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	930		68.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		69.7	230	ug/Kg
56-55-3	Benzo(a)anthracene	930		57.1	120	ug/Kg
218-01-9	Chrysene	980		56.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	970		64.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		77.8	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		57.3	120	ug/Kg

Raw Data: **BF141346.D**

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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MSD	SDG No.:	Q1241
Lab Sample ID:	Q1239-10MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141346.D	1	01/31/25 10:20	01/31/25 21:50	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		58.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		65.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	770		55.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	780		57.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	690		56.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		61.4	120	ug/Kg
123-91-1	1,4-Dioxane	950		77.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		52.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.0		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	82.0		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.9		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.5		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.1		10 - 116	56%	SPK: 150
1718-51-0	Terphenyl-d14	49.7		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.798			
1146-65-2	Naphthalene-d8	588000	8.081			
15067-26-2	Acenaphthene-d10	309000	9.839			
1517-22-2	Phenanthrene-d10	457000	11.322			
1719-03-5	Chrysene-d12	288000	13.968			
1520-96-3	Perylene-d12	294000	15.421			

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141346.D
Acq On : 31 Jan 2025 21:50
Operator : RC/JU
Sample : Q1239-10MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 31 22:33:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	149445	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	587795	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	309142	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	457150	20.000	ng		0.00
76) Chrysene-d12	13.968	240	288493	20.000	ng		0.00
86) Perylene-d12	15.421	264	294341	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	817350	83.964	ng		0.01
7) Phenol-d6	6.440	99	1015815	82.029	ng		0.00
23) Nitrobenzene-d5	7.363	82	645753	57.914	ng		0.00
42) 2,4,6-Tribromophenol	10.628	330	238319	84.089	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1113958	55.463	ng		0.00
79) Terphenyl-d14	12.910	244	929665	49.697	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.575	88	173333	40.487	ng		99
3) Pyridine	3.299	79	405752	39.336	ng		99
4) n-Nitrosodimethylamine	3.246	42	237487	40.302	ng		99
6) Aniline	6.463	93	341319	32.561	ng	#	41
8) 2-Chlorophenol	6.592	128	422311	40.476	ng		96
9) Benzaldehyde	6.345	77	330994	46.144	ng		100
10) Phenol	6.457	94	511311	38.950	ng		75
11) bis(2-Chloroethyl)ether	6.534	93	403100	40.049	ng		99
12) 1,3-Dichlorobenzene	6.740	146	431562	37.513	ng		99
13) 1,4-Dichlorobenzene	6.816	146	436369	37.758	ng		100
14) 1,2-Dichlorobenzene	6.969	146	419896	38.800	ng		99
15) Benzyl Alcohol	6.945	79	358554	42.368	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	683880	39.073	ng		57
17) 2-Methylphenol	7.069	107	324783	38.300	ng	#	88
18) Hexachloroethane	7.310	117	164414	38.563	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	294396	40.008	ng		97
20) 3+4-Methylphenols	7.222	107	430429	41.340	ng	#	75
22) Acetophenone	7.210	105	625290	44.754	ng	#	94
24) Nitrobenzene	7.381	77	444284	38.450	ng		100
25) Isophorone	7.622	82	784855	40.721	ng		99
26) 2-Nitrophenol	7.698	139	223815	41.071	ng		100
27) 2,4-Dimethylphenol	7.745	122	354874m	51.162	ng		
28) bis(2-Chloroethoxy)met...	7.834	93	494323	40.208	ng		99
29) 2,4-Dichlorophenol	7.951	162	343871	40.495	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	359792	37.101	ng		100
31) Naphthalene	8.104	128	1180291	38.011	ng		100
32) Benzoic acid	7.869	122	280637	44.012	ng		98
33) 4-Chloroaniline	8.151	127	106653	10.129	ng		99
34) Hexachlorobutadiene	8.222	225	215053	37.815	ng		99
35) Caprolactam	8.528	113	125023m	45.082	ng		
36) 4-Chloro-3-methylphenol	8.651	107	358605	39.371	ng		99
37) 2-Methylnaphthalene	8.792	142	745370	37.767	ng		99
38) 1-Methylnaphthalene	8.892	142	725077	37.401	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	379280	43.126	ng		99
41) Hexachlorocyclopentadiene	8.945	237	372270	143.327	ng		100
43) 2,4,6-Trichlorophenol	9.075	196	235734	40.951	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141346.D
Acq On : 31 Jan 2025 21:50
Operator : RC/JU
Sample : Q1239-10MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 31 22:33:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	251331	40.115	ng	98
46) 1,1'-Biphenyl	9.257	154	1056092	43.804	ng	100
47) 2-Chloronaphthalene	9.281	162	715690	38.085	ng	99
48) 2-Nitroaniline	9.381	65	239299	40.485	ng	98
49) Acenaphthylene	9.698	152	1105725	42.034	ng	100
50) Dimethylphthalate	9.563	163	854897	40.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	186941	38.561	ng	97
52) Acenaphthene	9.869	154	820232m	43.647	ng	
53) 3-Nitroaniline	9.792	138	111619	23.491	ng	99
54) 2,4-Dinitrophenol	9.904	184	223971	99.384	ng	99
55) Dibenzofuran	10.045	168	979869	38.954	ng	99
56) 4-Nitrophenol	9.975	139	255108	73.413	ng	97
57) 2,4-Dinitrotoluene	10.028	165	247592	39.446	ng	98
58) Fluorene	10.386	166	746386	38.252	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	208581	42.317	ng	97
60) Diethylphthalate	10.263	149	814729	40.244	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	363176	38.104	ng	99
62) 4-Nitroaniline	10.410	138	172114	36.844	ng	99
63) Azobenzene	10.539	77	885591	43.701	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	140399	51.922	ng	98
66) n-Nitrosodiphenylamine	10.498	169	667697	45.158	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	227064	44.366	ng	97
68) Hexachlorobenzene	10.933	284	227552	41.915	ng	99
69) Atrazine	11.027	200	237625	48.067	ng	99
70) Pentachlorophenol	11.133	266	266010	83.676	ng	99
71) Phenanthrene	11.351	178	1050315	42.741	ng	99
72) Anthracene	11.404	178	1053645	43.760	ng	100
73) Carbazole	11.557	167	833117	39.021	ng	99
74) Di-n-butylphthalate	11.892	149	1136082	43.908	ng	100
75) Fluoranthene	12.539	202	950787	39.185	ng	100
77) Benzidine	12.663	184	402266	43.495	ng	99
78) Pyrene	12.769	202	947624	34.219	ng	99
80) Butylbenzylphthalate	13.392	149	380601	39.340	ng	100
81) Benzo(a)anthracene	13.957	228	783821	39.373	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	202580	31.995	ng	99
83) Chrysene	13.992	228	759093	41.606	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	505063	41.154	ng	99
85) Di-n-octyl phthalate	14.568	149	898058	47.113	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	622389	32.762	ng	99
88) Benzo(b)fluoranthene	15.004	252	775353	41.877	ng	99
89) Benzo(k)fluoranthene	15.033	252	772232	47.082	ng	100
90) Benzo(a)pyrene	15.362	252	706630	45.164	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	504206	32.989	ng	99
92) Benzo(g,h,i)perylene	17.304	276	466099	29.328	ng	99

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

Sample Results: **BF141346.D**

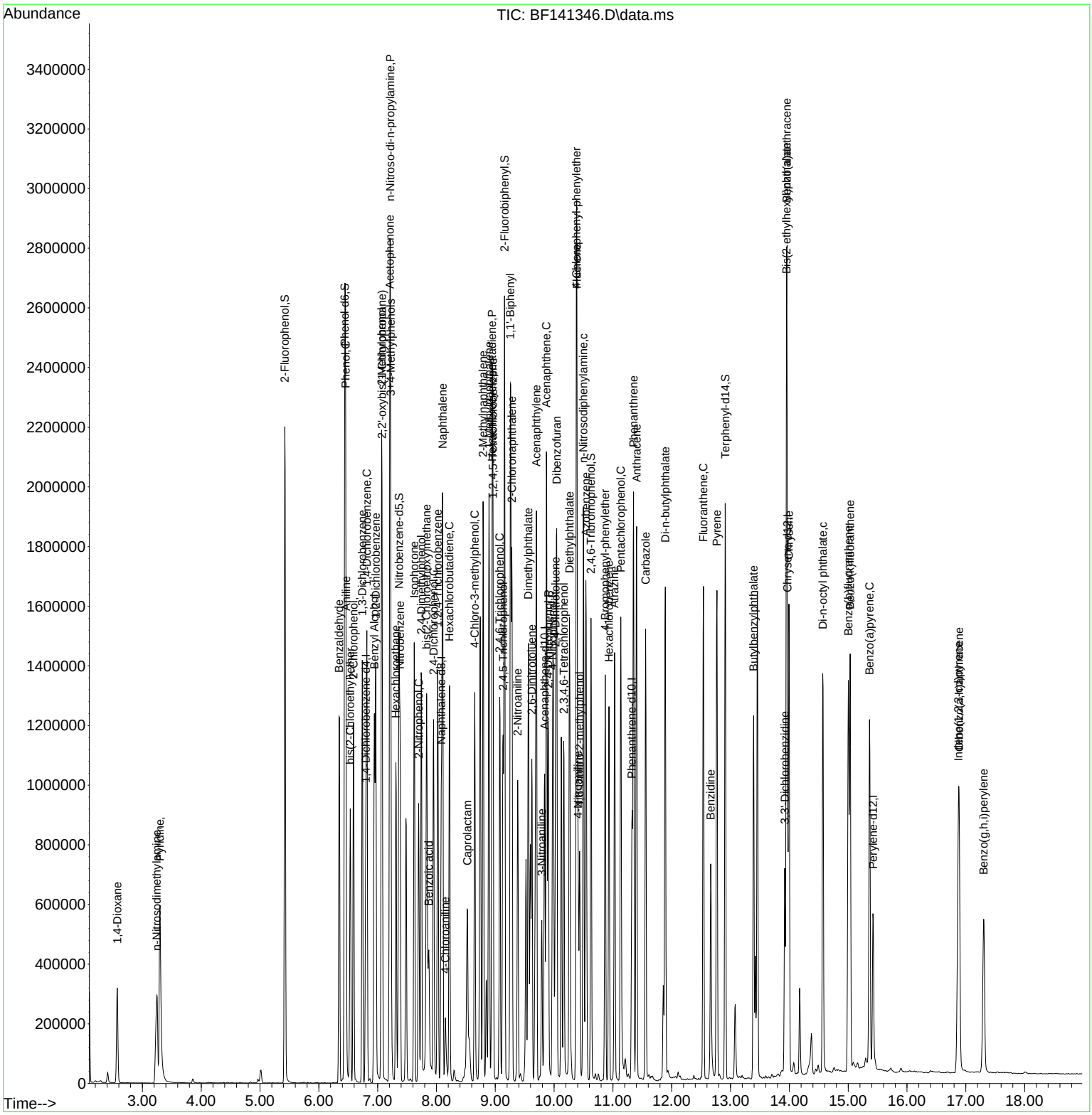
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141346.D
Acq On : 31 Jan 2025 21:50
Operator : RC/JU
Sample : Q1239-10MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

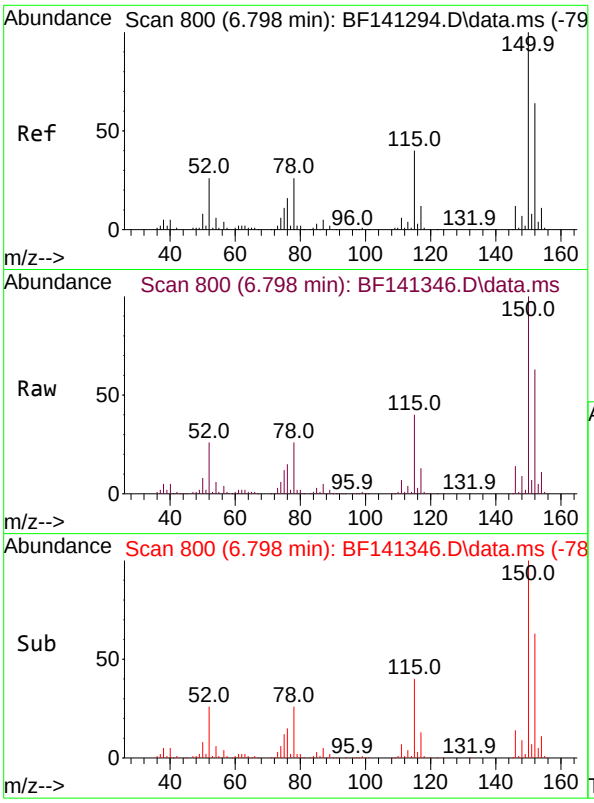
Quant Time: Jan 31 22:33:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

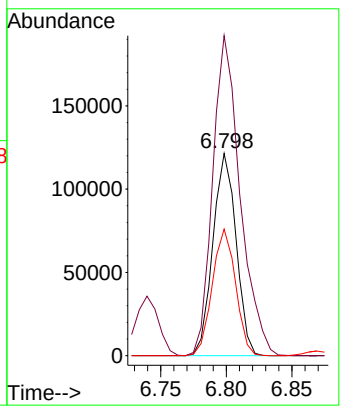




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:152 Resp: 14944

Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.9	188.9
115	62.5	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
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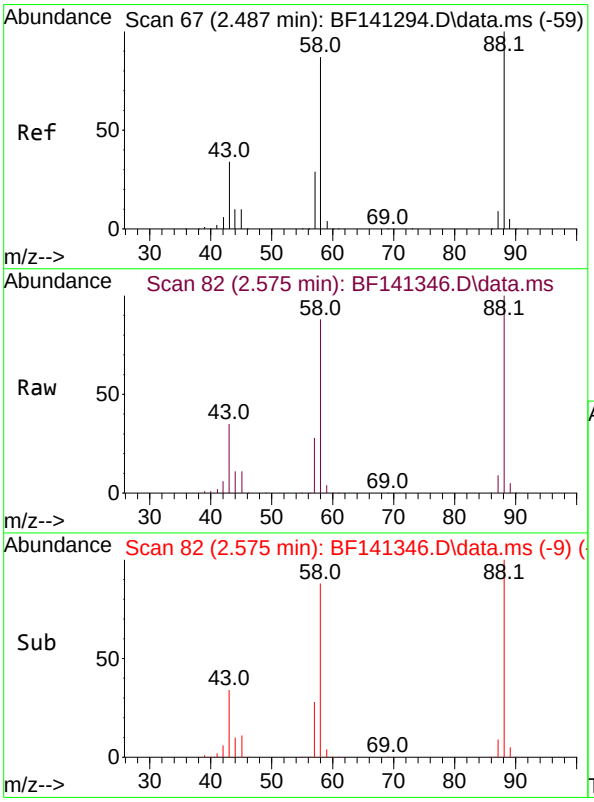
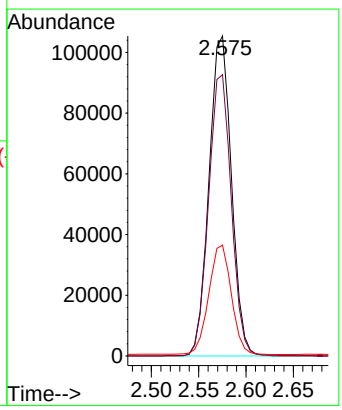
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

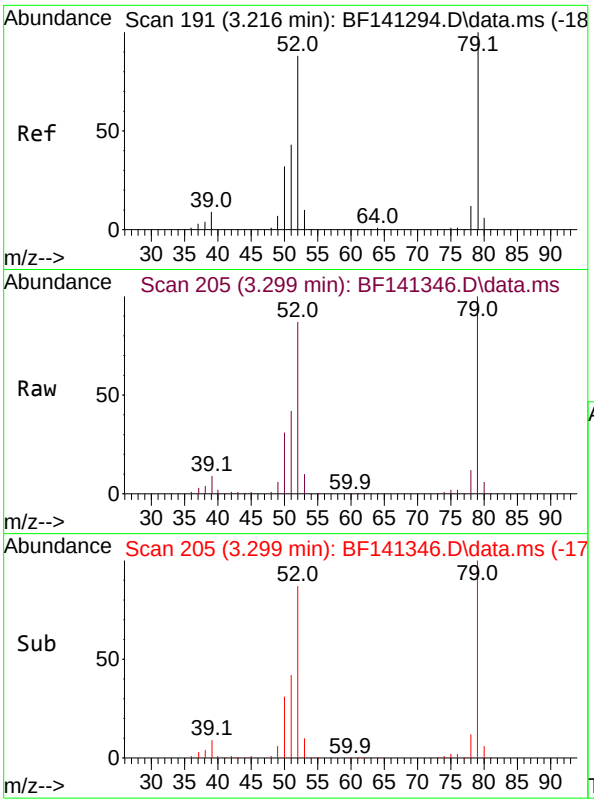


#2
1,4-Dioxane
Concen: 40.487 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.082 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 88 Resp: 173333

Ion	Ratio	Lower	Upper
88	100		
58	89.4	70.2	105.4
43	34.5	27.6	41.4

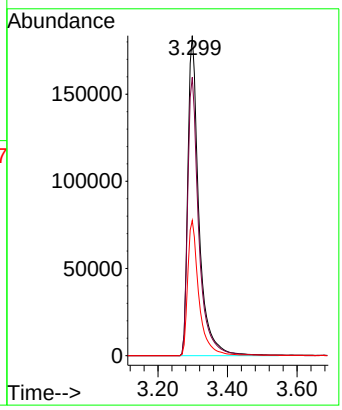




#3
Pyridine
Concen: 39.336 ng
RT: 3.299 min Scan# 2
Delta R.T. 0.070 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 79 Resp: 40575

Ion	Ratio	Lower	Upper
79	100		
52	87.0	70.3	105.5
51	42.3	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
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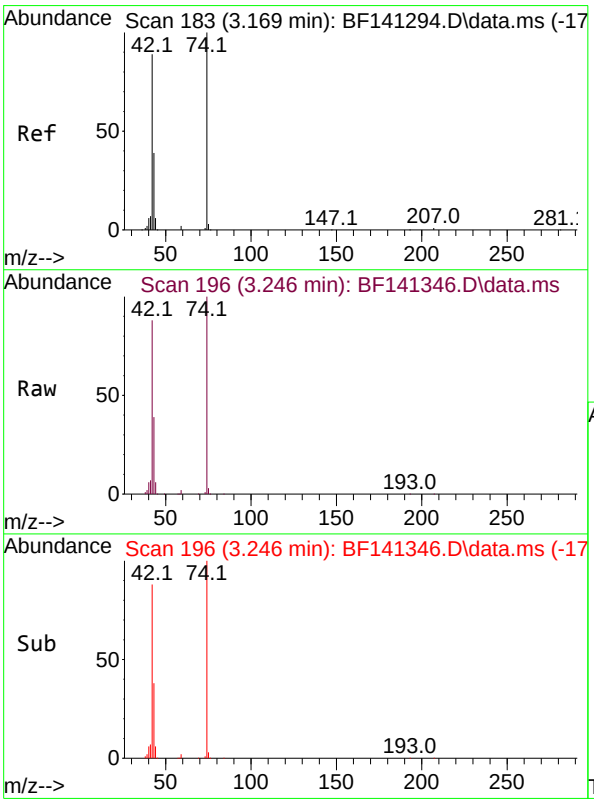
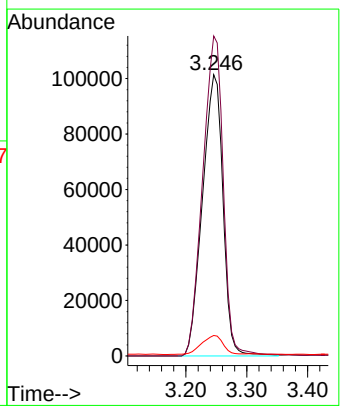
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

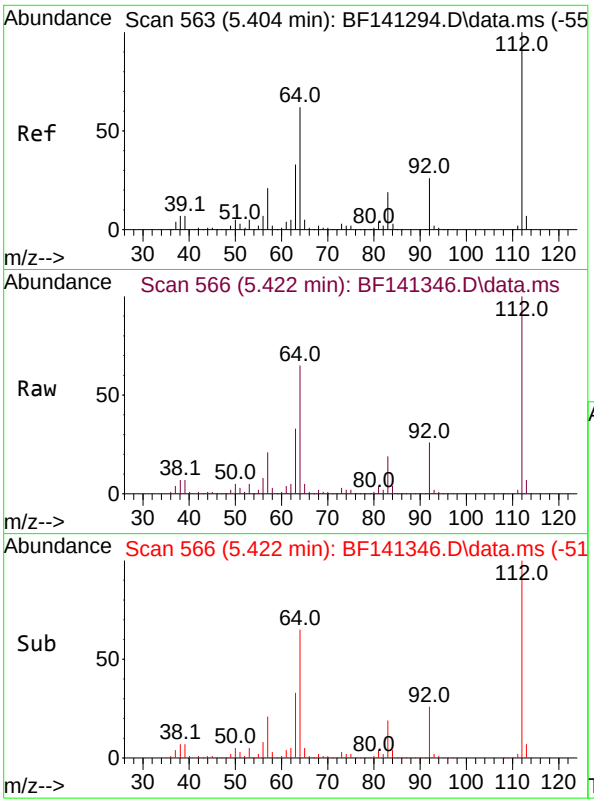


#4
n-Nitrosodimethylamine
Concen: 40.302 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.047 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 42 Resp: 237487

Ion	Ratio	Lower	Upper
42	100		
74	113.8	90.3	135.5
44	7.3	5.7	8.5

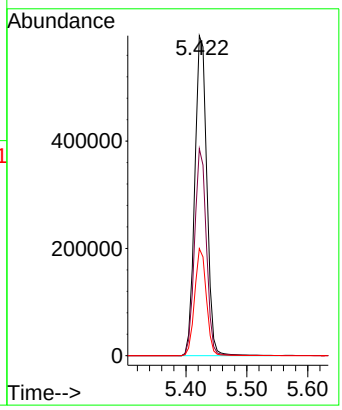




#5
2-Fluorophenol
Concen: 83.964 ng
RT: 5.422 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:112 Resp: 81735

Ion	Ratio	Lower	Upper
112	100		
64	64.7	49.8	74.8
63	33.4	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
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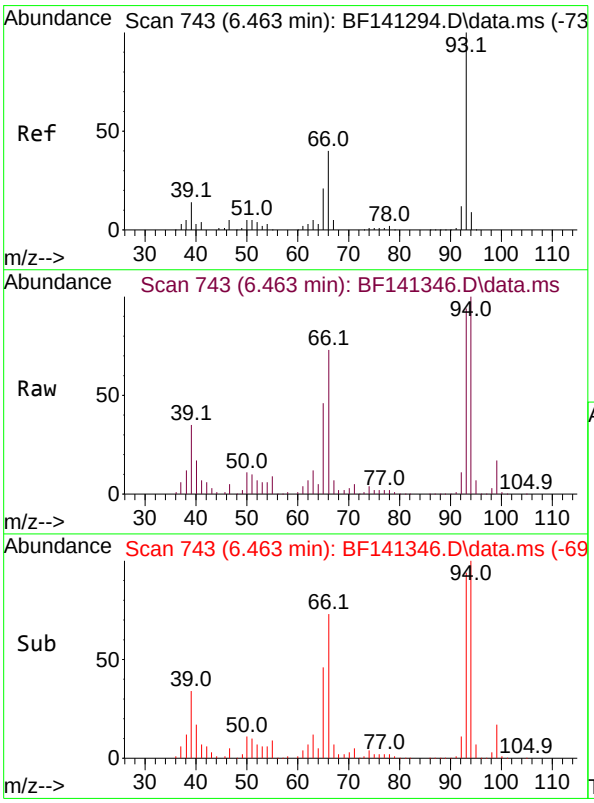
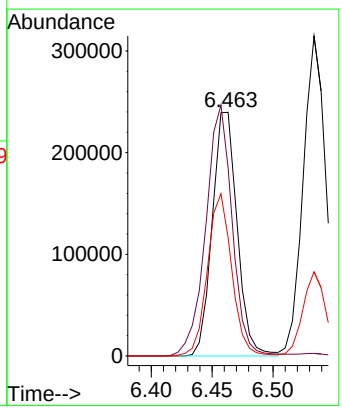
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

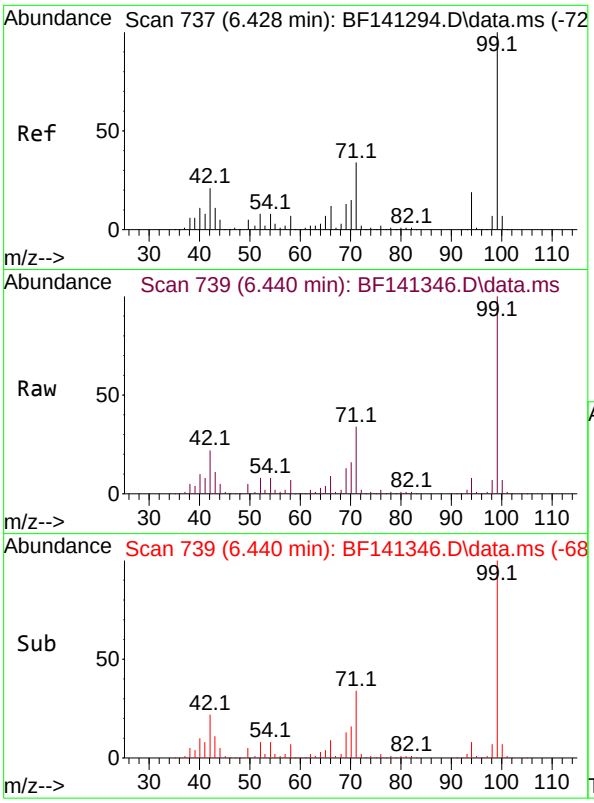


#6
Aniline
Concen: 32.561 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 93 Resp: 341319

Ion	Ratio	Lower	Upper
93	100		
66	77.2	32.5	48.7#
65	48.6	17.0	25.6#

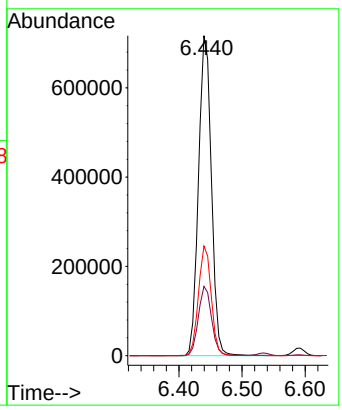




#7
Phenol-d6
Concen: 82.029 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 99 Resp: 101581

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.1	25.7
71	34.2	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
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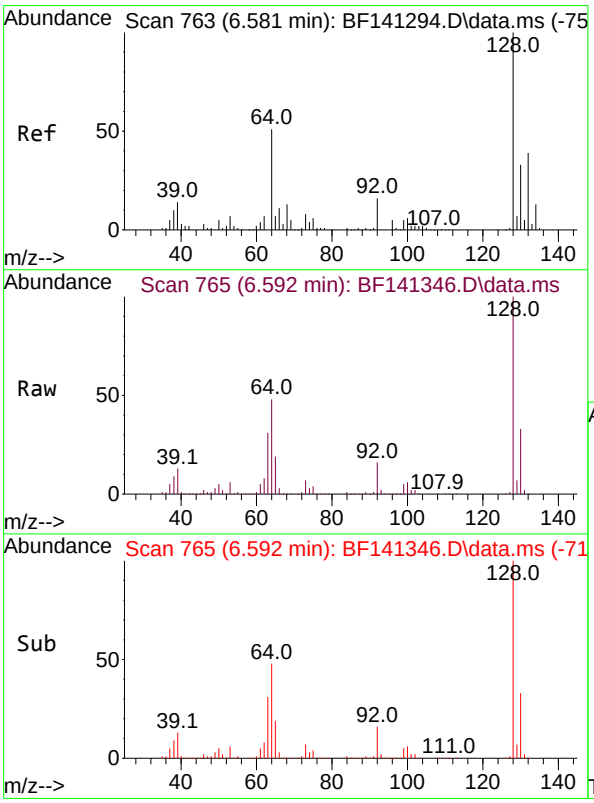
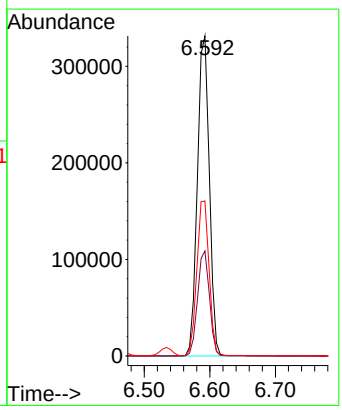
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

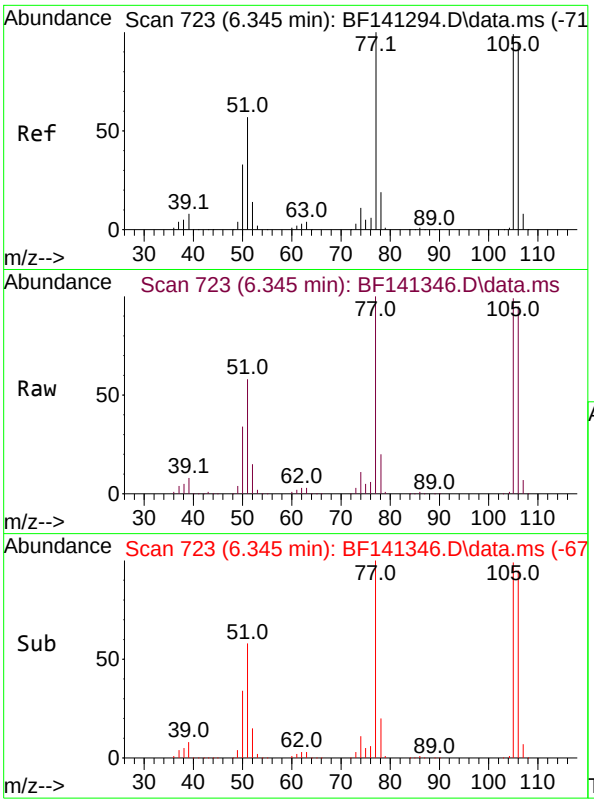


#8
2-Chlorophenol
Concen: 40.476 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:128 Resp: 422311

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	48.5	32.9	72.9

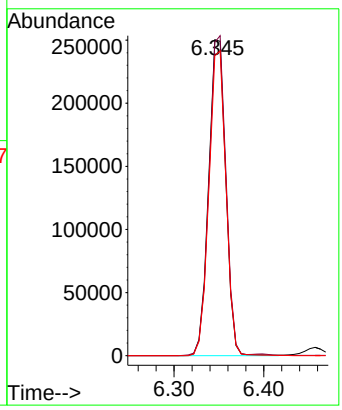




#9
Benzaldehyde
Concen: 46.144 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 77 Resp: 33099

Ion	Ratio	Lower	Upper
77	100		
105	99.2	79.4	119.4
106	94.9	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
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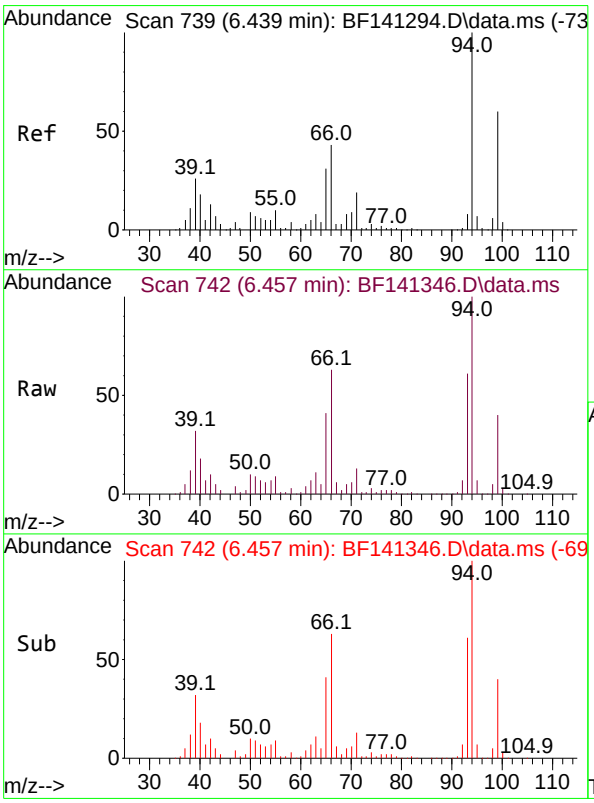
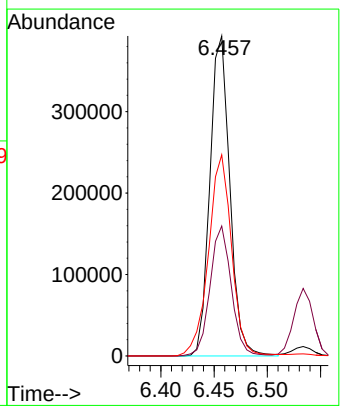
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

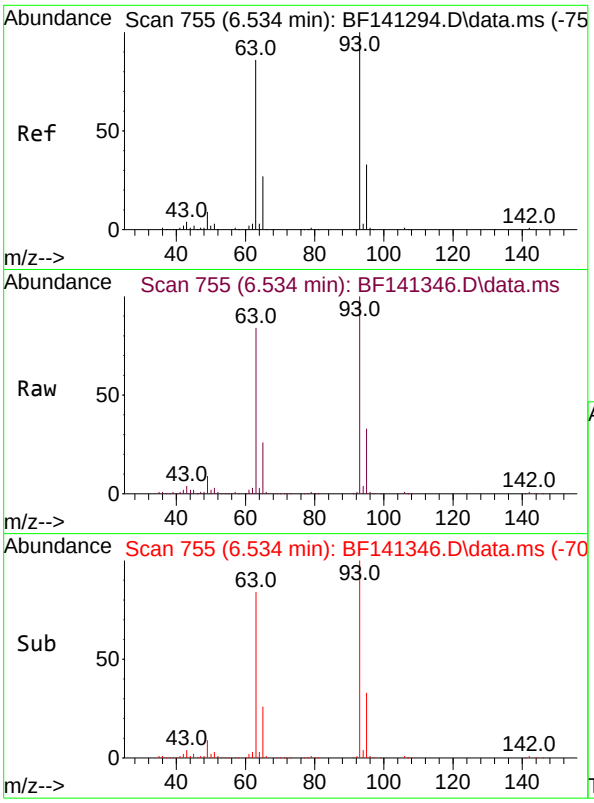


#10
Phenol
Concen: 38.950 ng
RT: 6.457 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 94 Resp: 511311

Ion	Ratio	Lower	Upper
94	100		
65	40.6	10.8	50.8
66	62.9	23.3	63.3





#11
bis(2-Chloroethyl)ether
Concen: 40.049 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

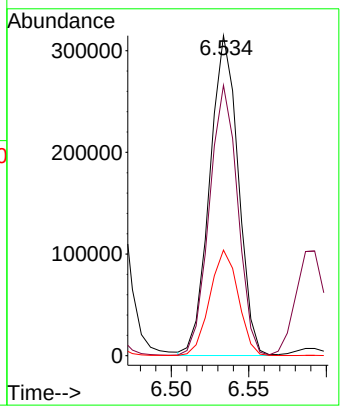
Tgt Ion: 93 Resp: 40310

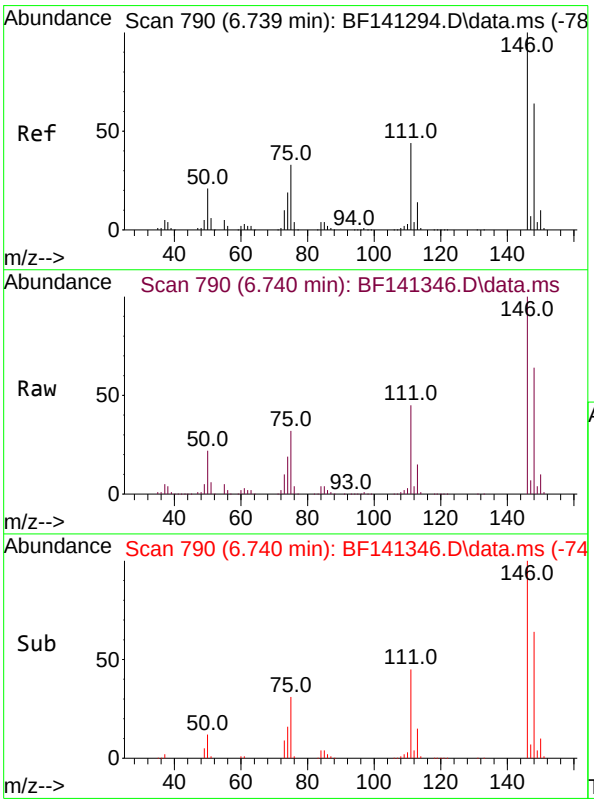
Ion	Ratio	Lower	Upper
93	100		
63	84.5	65.0	105.0
95	33.0	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

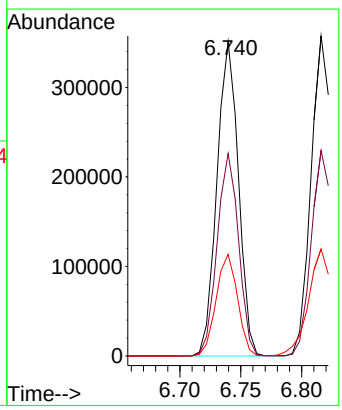


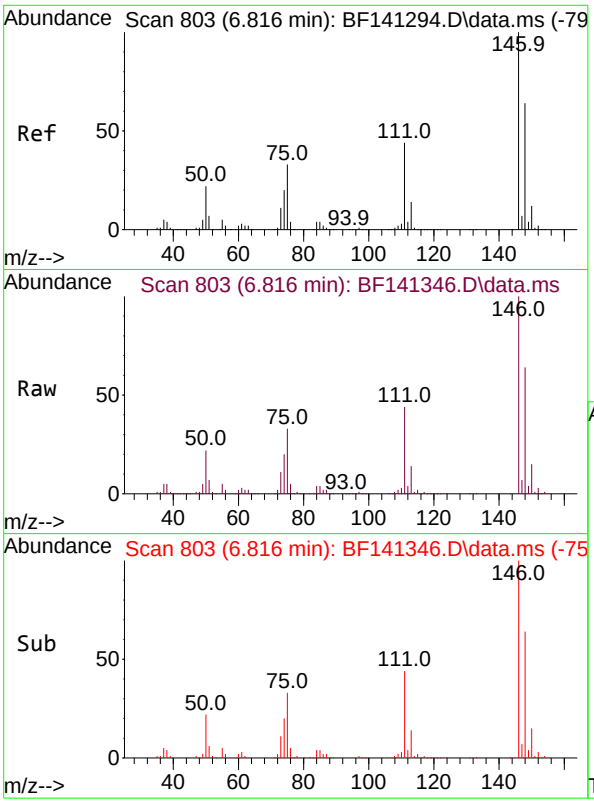


#12
1,3-Dichlorobenzene
Concen: 37.513 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:146 Resp: 431562

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
75	32.3	26.2	39.4

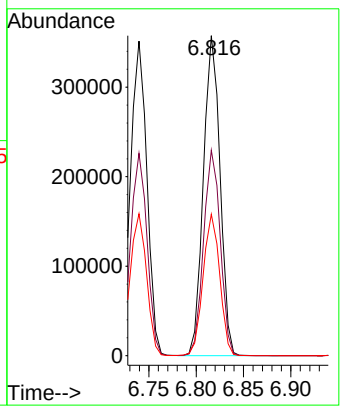




#13
1,4-Dichlorobenzene
Concen: 37.758 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:146 Resp: 43636

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
111	44.2	35.0	52.4



Instrument :
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ClientSampleId :
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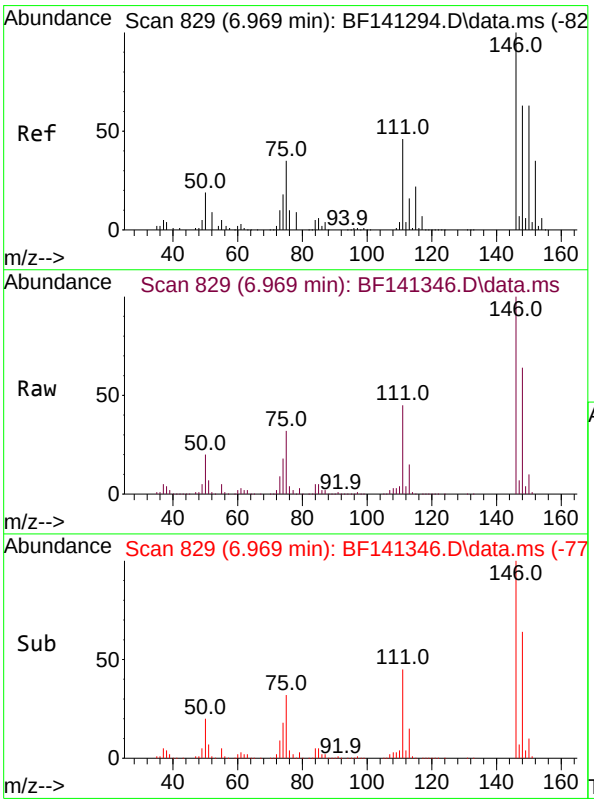
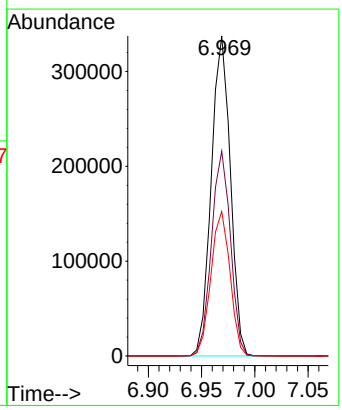
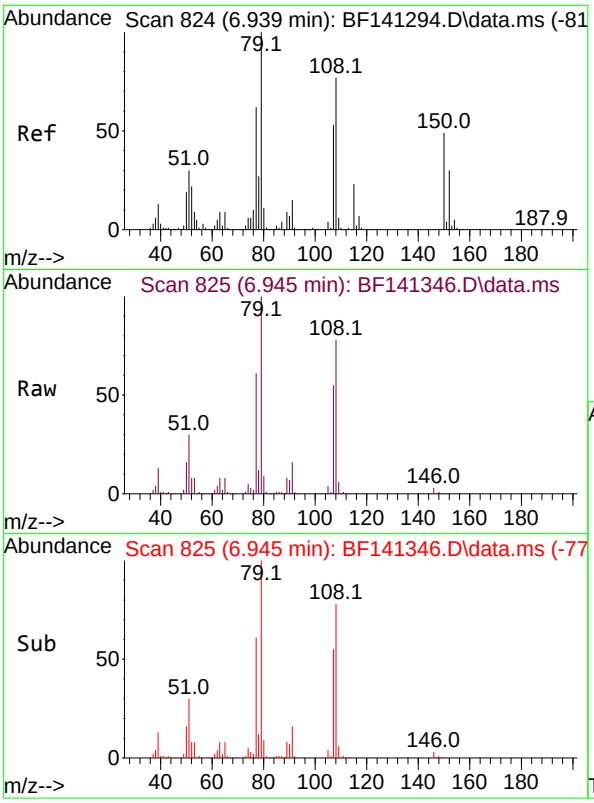


#14
1,2-Dichlorobenzene
Concen: 38.800 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:146 Resp: 419896

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
111	45.2	36.6	55.0





#15
Benzyl Alcohol
Concen: 42.368 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 79 Resp: 35855

Ion	Ratio	Lower	Upper
79	100		
108	78.3	61.4	92.0
77	61.4	49.9	74.9

Instrument :
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ClientSampleId :
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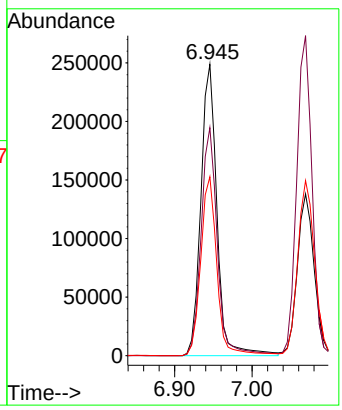
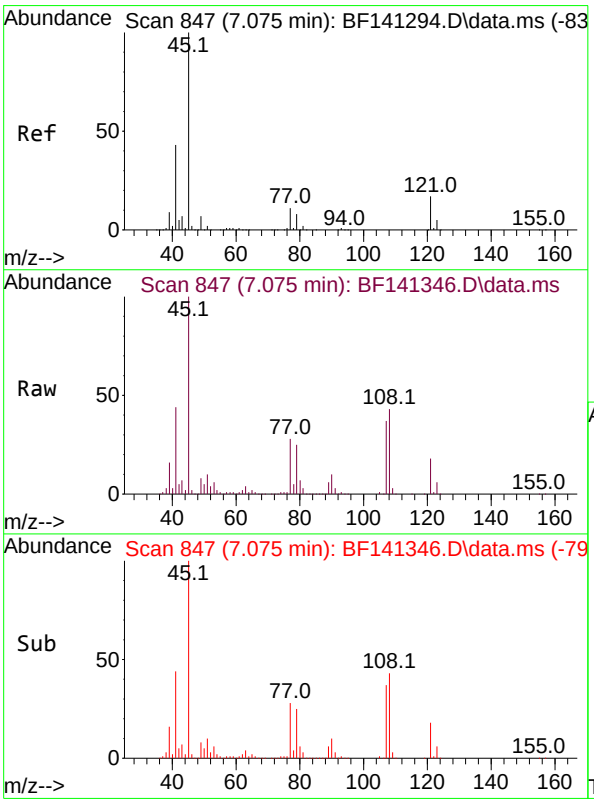
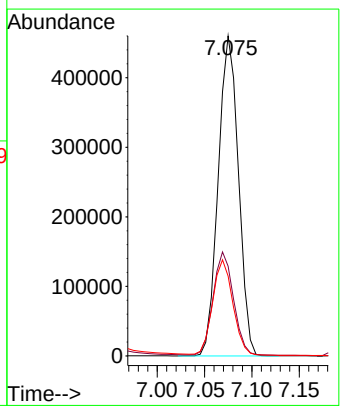


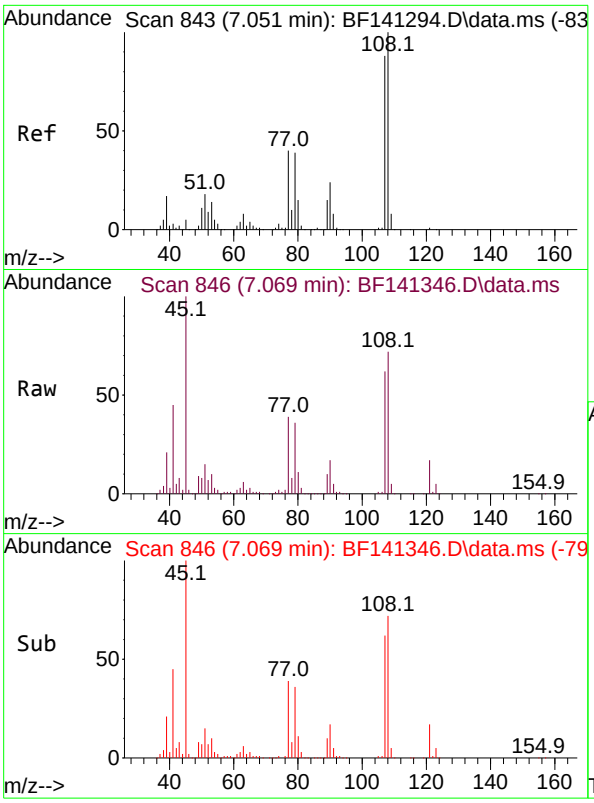


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.073 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 45 Resp: 683880

Ion	Ratio	Lower	Upper
45	100		
77	28.1	0.0	31.8
79	24.9	0.0	29.1

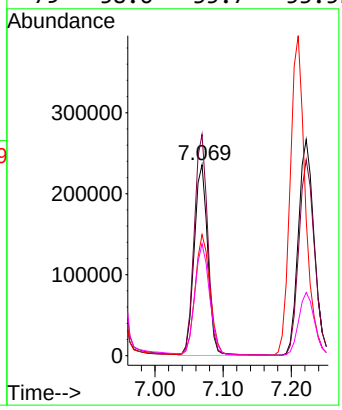




#17
2-Methylphenol
Concen: 38.300 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:107 Resp: 32478

Ion	Ratio	Lower	Upper
107	100		
108	115.9	90.8	136.2
77	63.4	36.2	54.4#
79	58.6	35.7	53.5#



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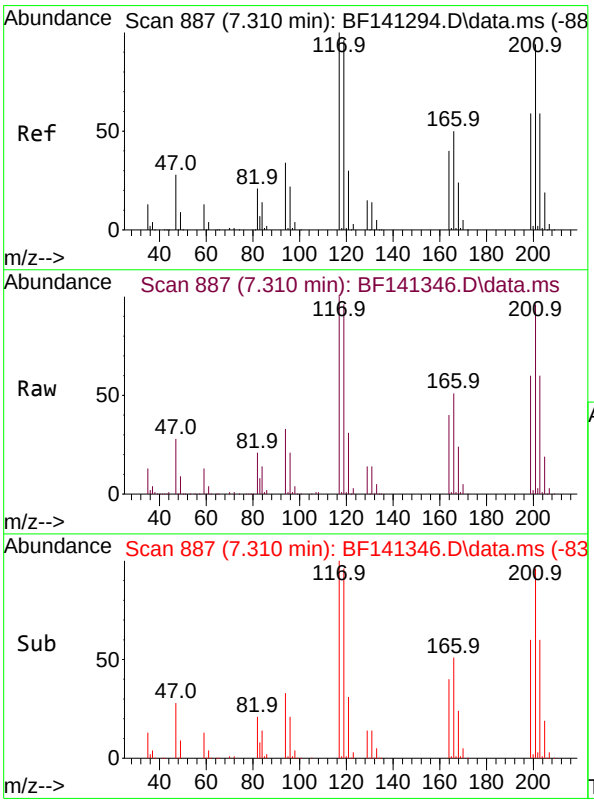
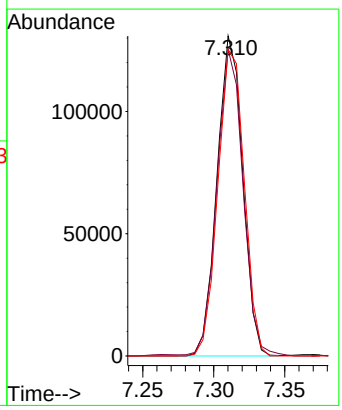
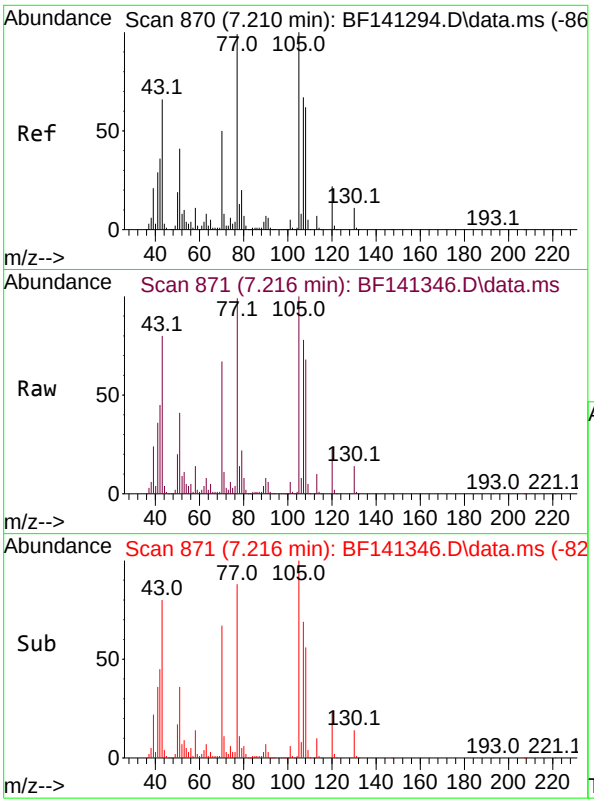


#18
Hexachloroethane
Concen: 38.563 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:117 Resp: 164414

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	114.8
201	95.8	74.8	112.2

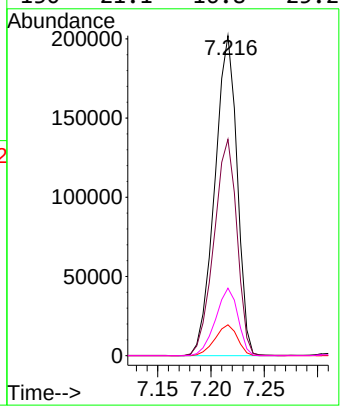




#19
n-Nitroso-di-n-propylamine
Concen: 40.008 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 70 Resp: 29439

Ion	Ratio	Lower	Upper
70	100		
42	67.6	56.8	85.2
101	9.7	7.7	11.5
130	21.1	16.8	25.2



Instrument :
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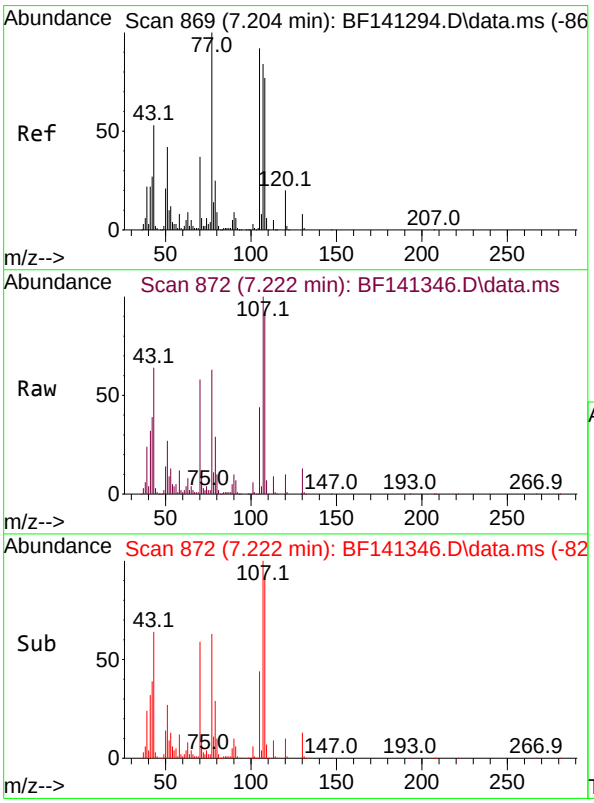
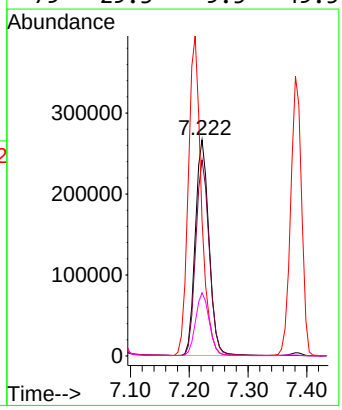
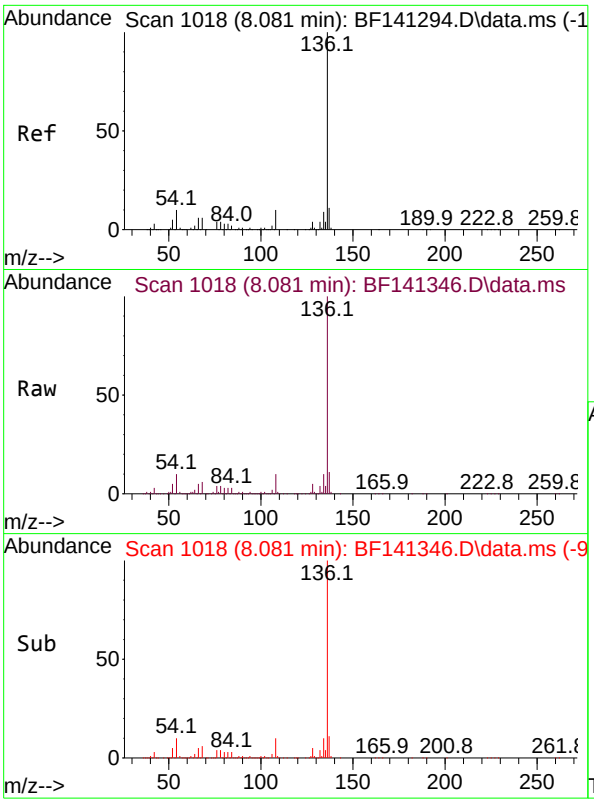


#20
3+4-Methylphenols
Concen: 41.340 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:107 Resp: 430429

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.9	110.9
77	62.9	98.5	138.5#
79	29.3	9.5	49.5

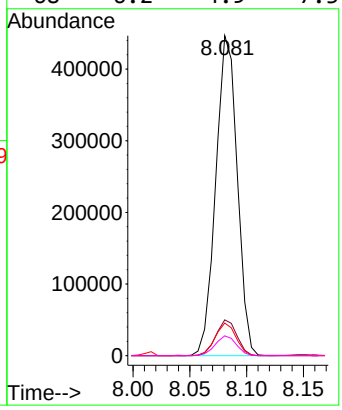




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:136 Resp: 58779

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	10.2	7.8	11.8
68	6.2	4.9	7.3



Instrument :
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ClientSampleId :
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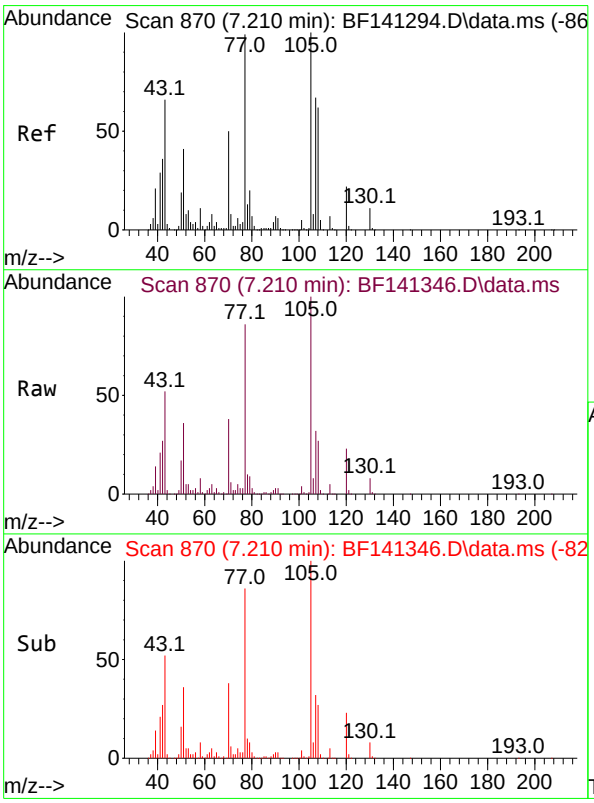
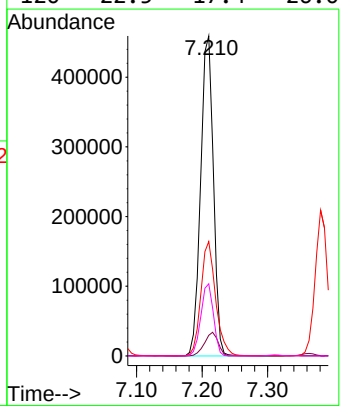
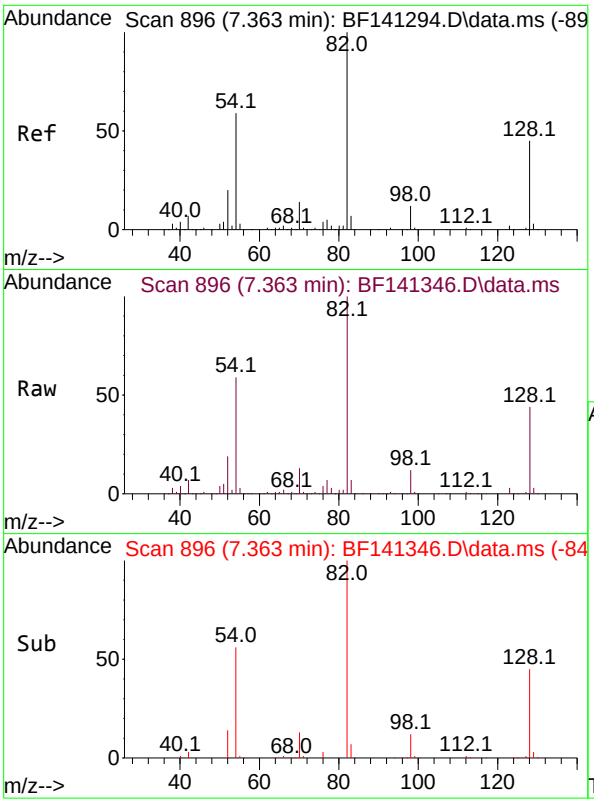


#22
Acetophenone
Concen: 44.754 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:105 Resp: 625290

Ion	Ratio	Lower	Upper
105	100		
71	6.4	6.8	10.2#
51	35.8	32.6	49.0
120	22.5	17.4	26.0

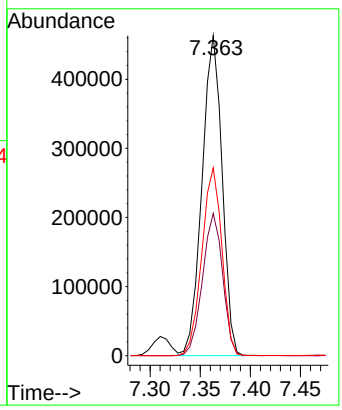




#23
Nitrobenzene-d5
Concen: 57.914 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 82 Resp: 64575

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.7	53.5
54	58.7	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
357MSD

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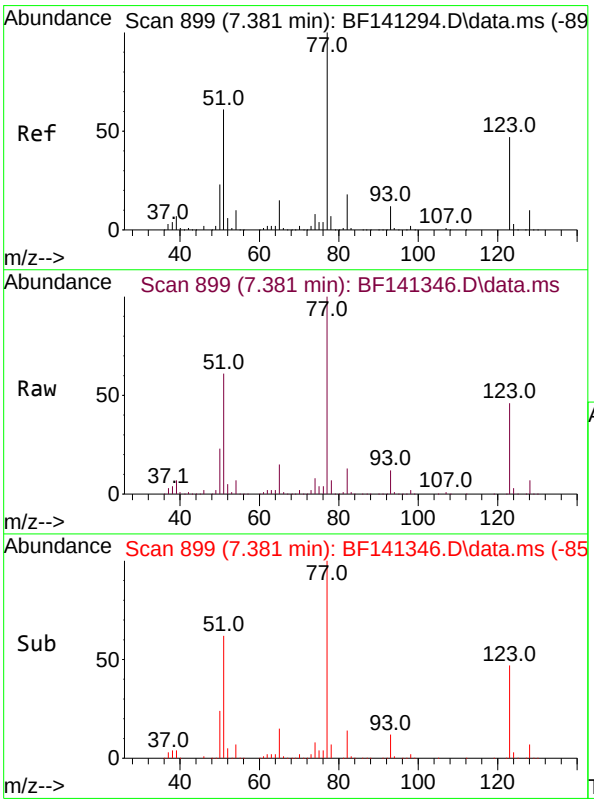
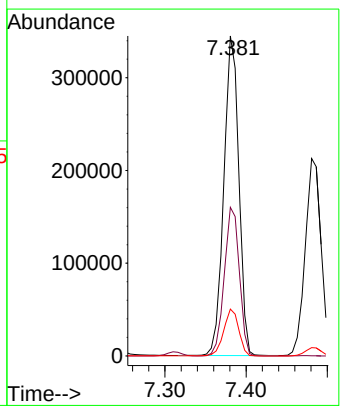
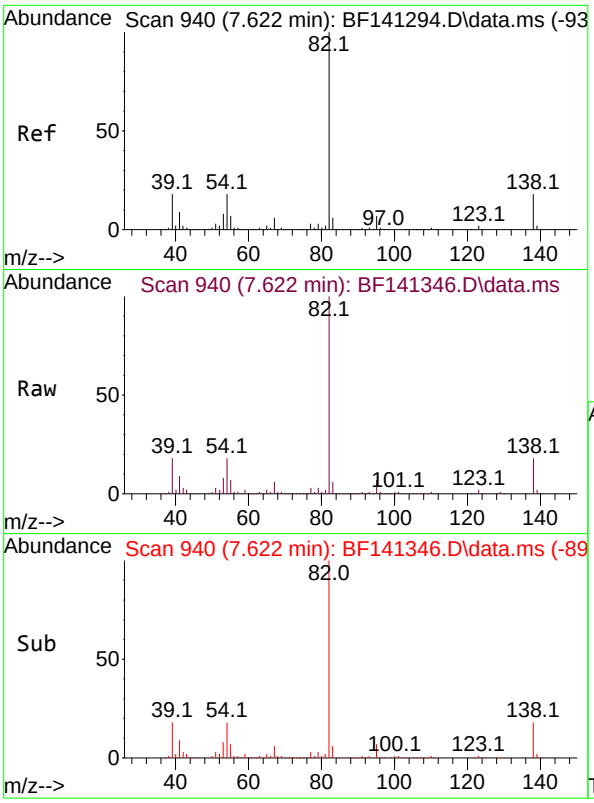


#24
Nitrobenzene
Concen: 38.450 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 77 Resp: 444284

Ion	Ratio	Lower	Upper
77	100		
123	46.5	37.3	55.9
65	14.7	11.8	17.6

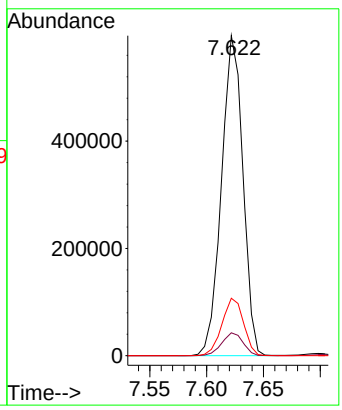




#25
Isophorone
Concen: 40.721 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 82 Resp: 78485

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	18.0	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
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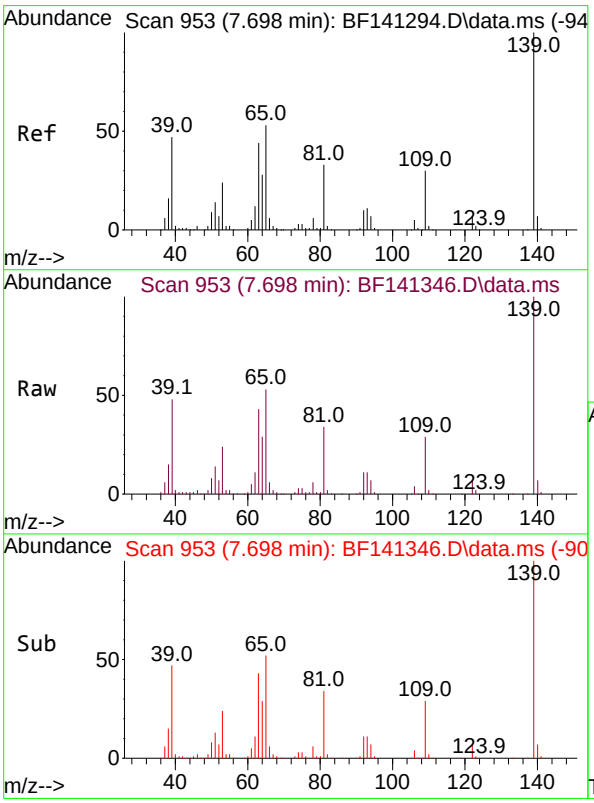
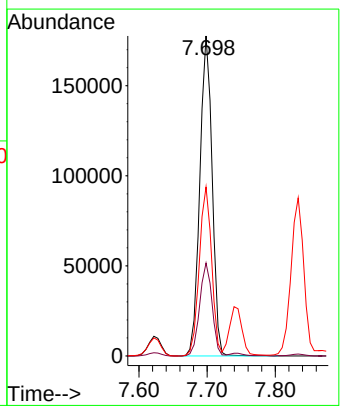
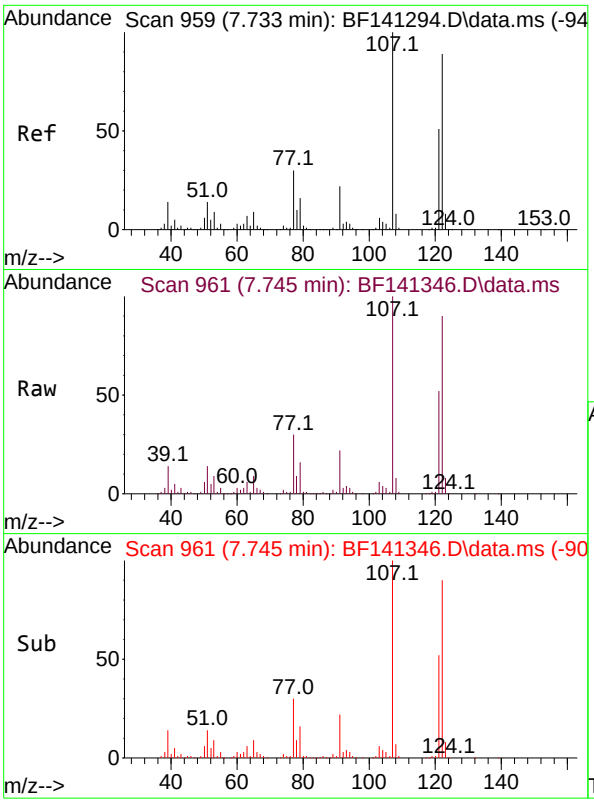


#26
2-Nitrophenol
Concen: 41.071 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:139 Resp: 223815

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.8	35.6
65	52.8	42.2	63.4

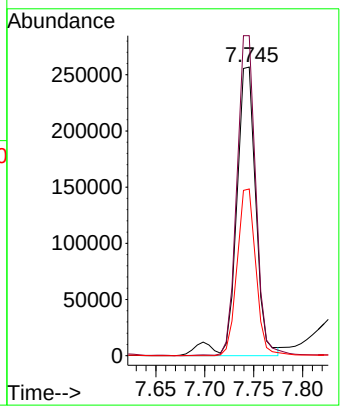




#27
2,4-Dimethylphenol
Concen: 51.162 ng m
RT: 7.745 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:122 Resp: 35487

Ion	Ratio	Lower	Upper
122	100		
107	110.9	89.9	134.9
121	57.8	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
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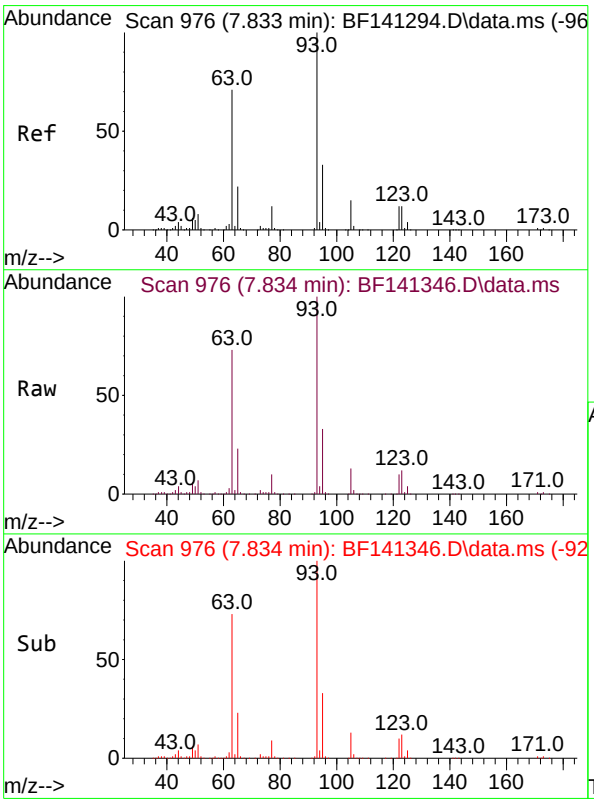
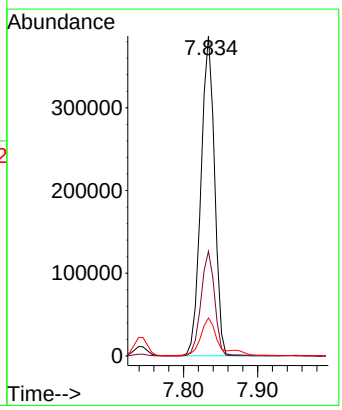
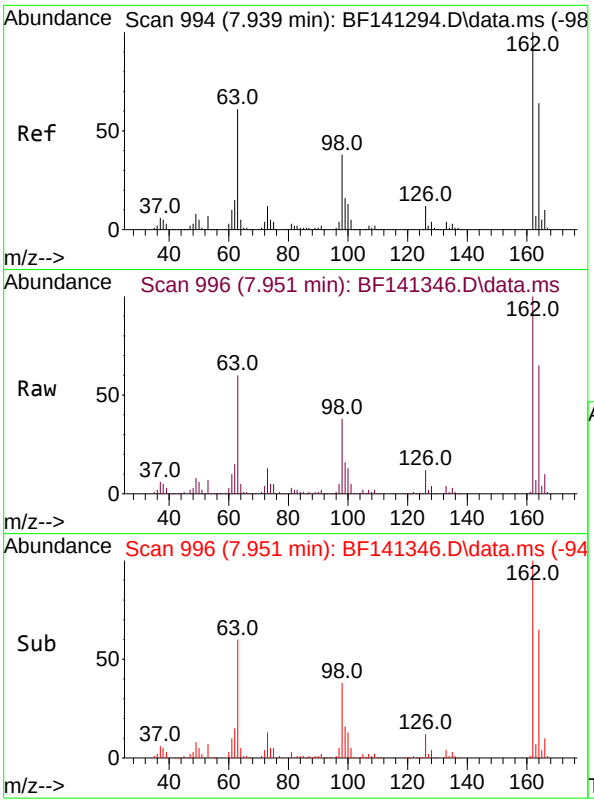


#28
bis(2-Chloroethoxy)methane
Concen: 40.208 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 93 Resp: 494323

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	11.9	10.2	15.4

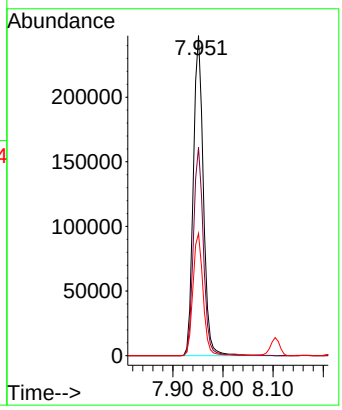




#29
2,4-Dichlorophenol
Concen: 40.495 ng
RT: 7.951 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:162 Resp: 34387

Ion	Ratio	Lower	Upper
162	100		
164	65.1	44.2	84.2
98	38.2	18.2	58.2



Instrument :
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ClientSampleId :
357MSD

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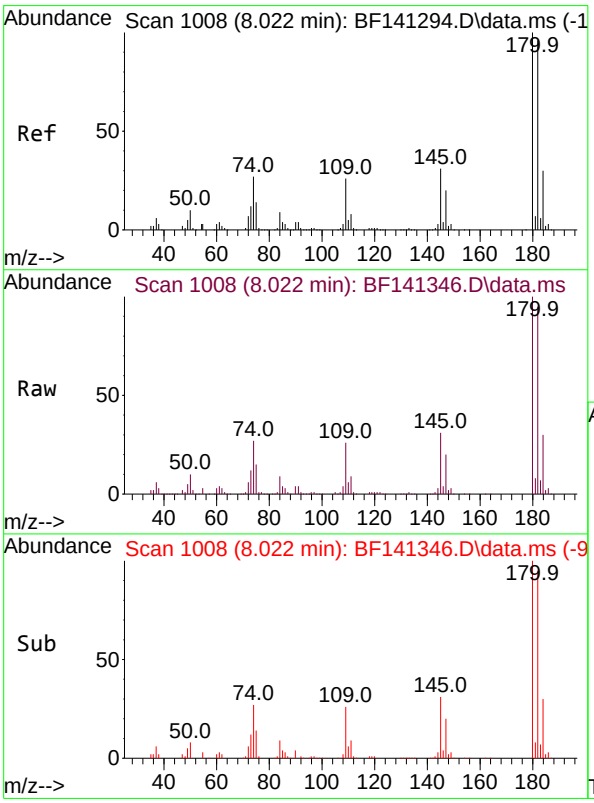
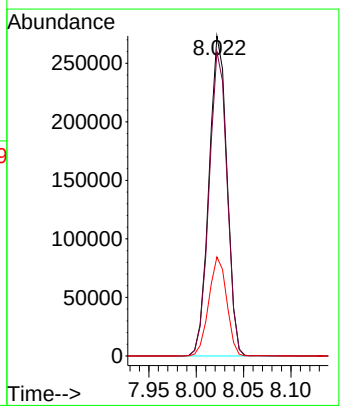
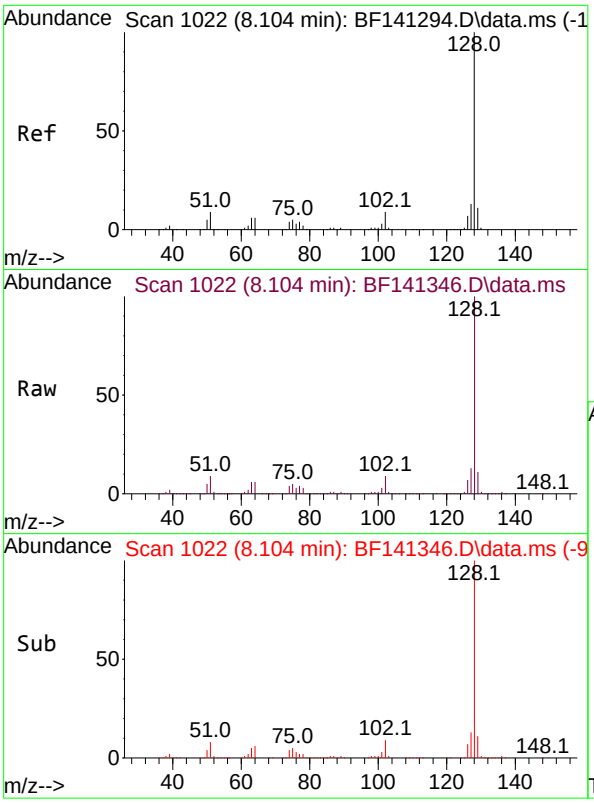


#30
1,2,4-Trichlorobenzene
Concen: 37.101 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:180 Resp: 359792

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	31.0	24.9	37.3





#31
Naphthalene
Concen: 38.011 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:128 Resp: 118029

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.3	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
357MSD

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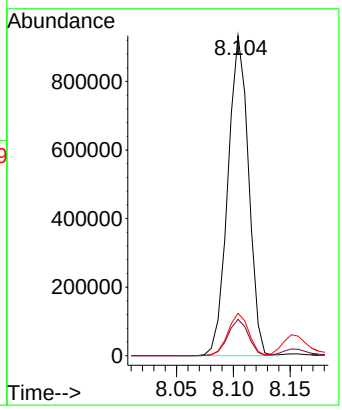
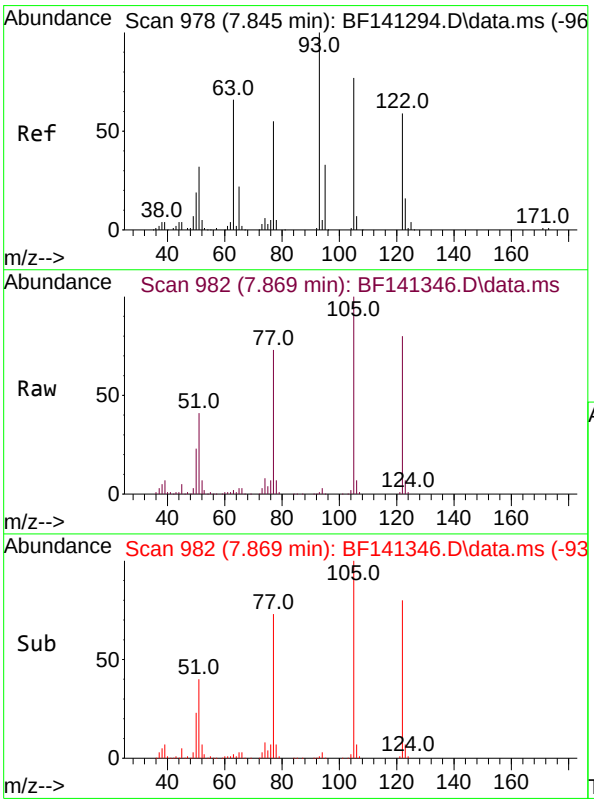
Supervised By :mohammad ahmed 02/04/2025

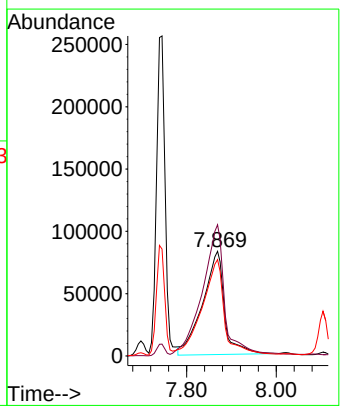


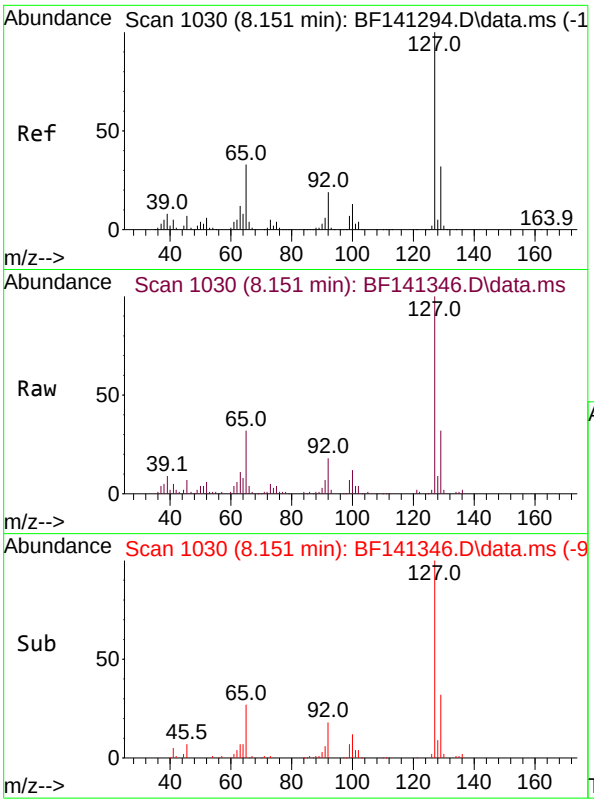


#32
Benzoic acid
Concen: 44.012 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:122 Resp: 280637

Ion	Ratio	Lower	Upper
122	100		
105	125.5	103.4	143.4
77	92.1	70.9	110.9

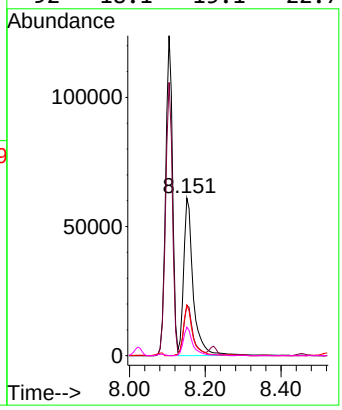




#33
4-Chloroaniline
Concen: 10.129 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:127 Resp: 10665

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	32.0	26.4	39.6
92	18.1	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
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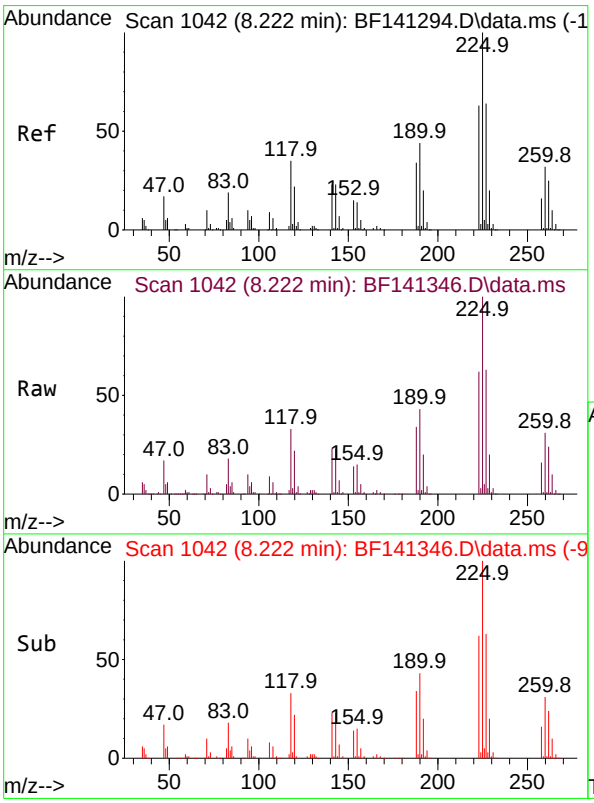
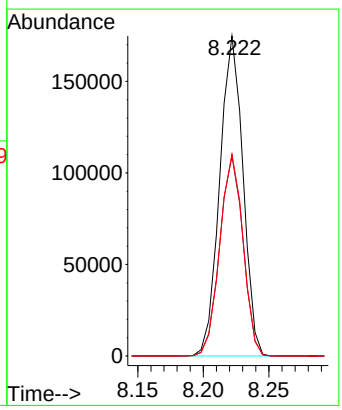
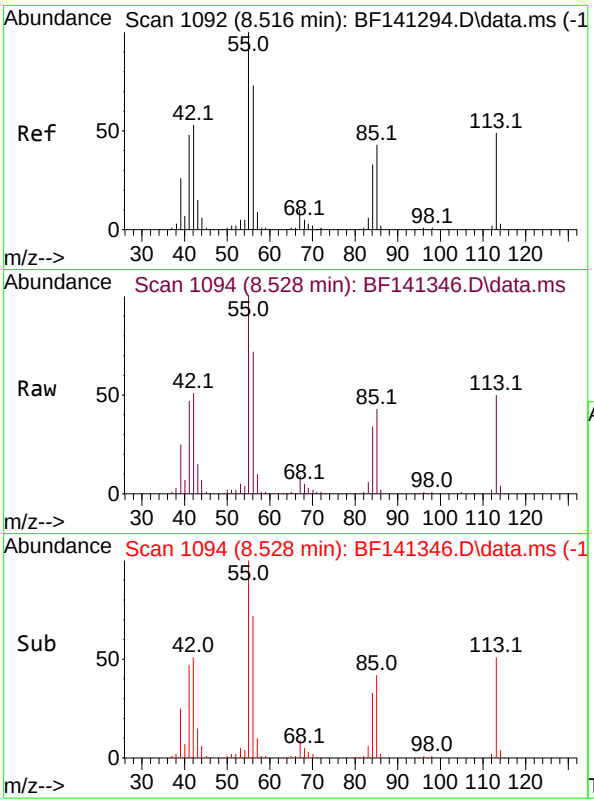


#34
Hexachlorobutadiene
Concen: 37.815 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:225 Resp: 215053

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.4	75.6
227	63.1	51.3	76.9





#35
Caprolactam
Concen: 45.082 ng m
RT: 8.528 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:113 Resp: 12502

Ion	Ratio	Lower	Upper
113	100		
55	198.6	182.9	222.9
56	142.2	127.9	167.9

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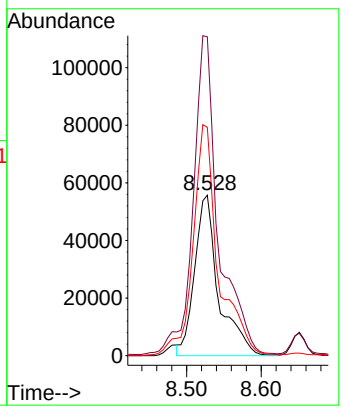
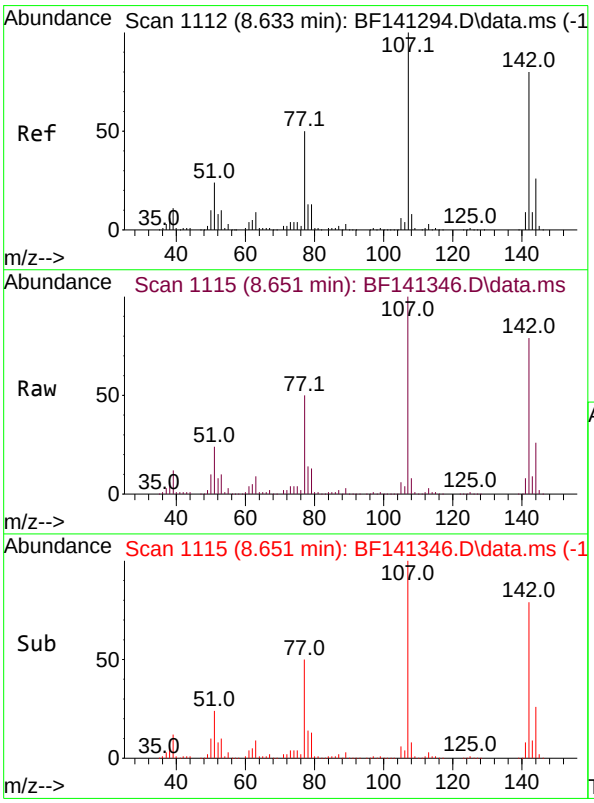
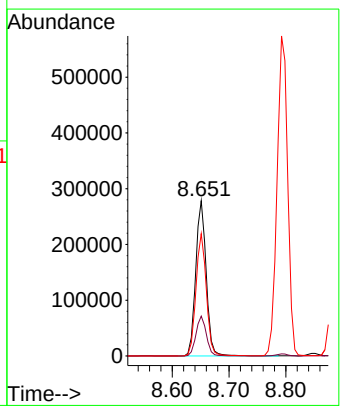


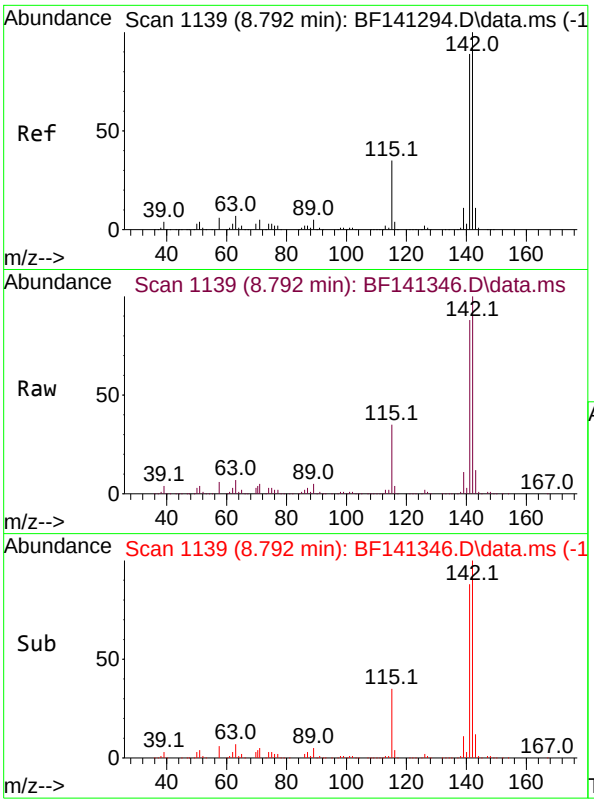


#36
4-Chloro-3-methylphenol
Concen: 39.371 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:107 Resp: 358605

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.7	31.1
142	78.7	63.8	95.8





#37
2-Methylnaphthalene
Concen: 37.767 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:142 Resp: 74537

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.3	106.9

Instrument :
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ClientSampleId :
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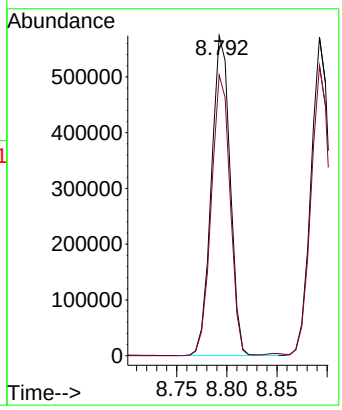
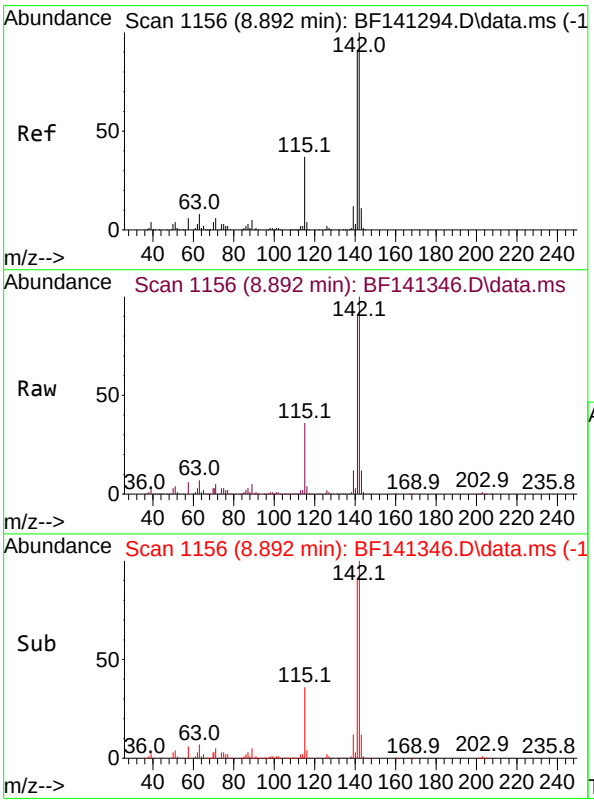
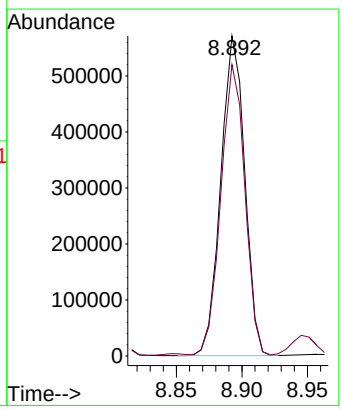


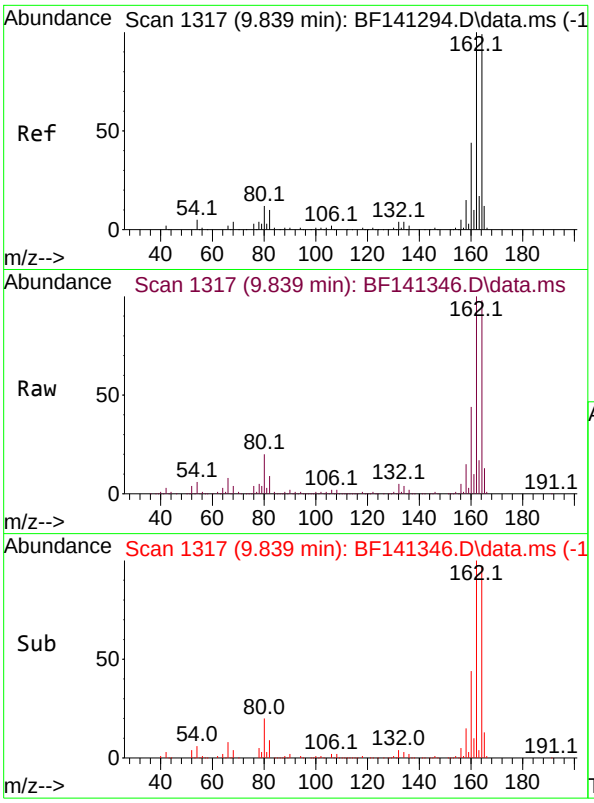


#38
1-Methylnaphthalene
Concen: 37.401 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:142 Resp: 725077

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.2	109.8

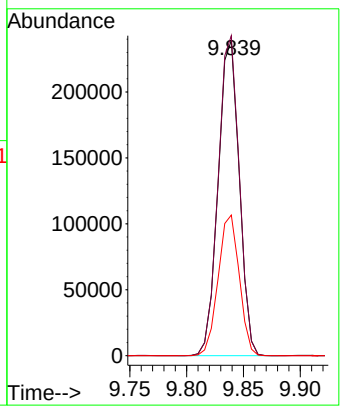




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:164 Resp: 30914

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	121.0
160	44.6	35.8	53.6



Instrument :
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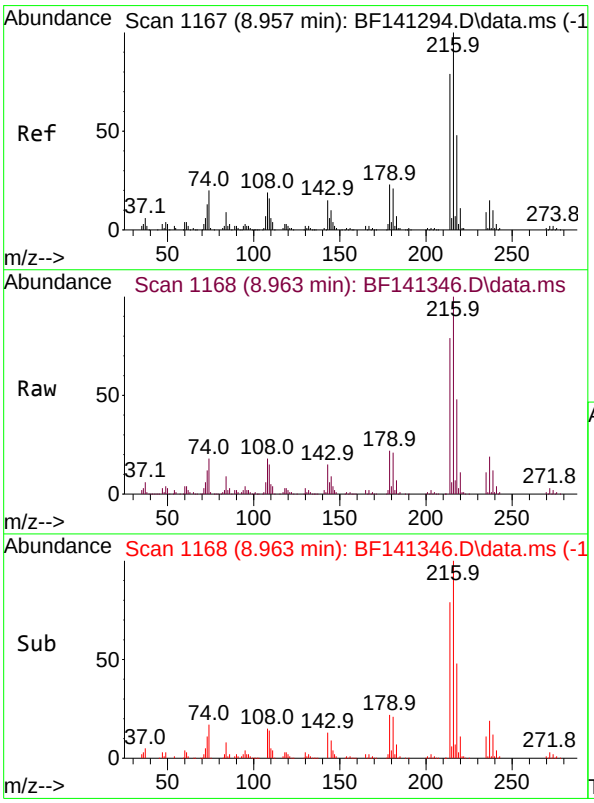
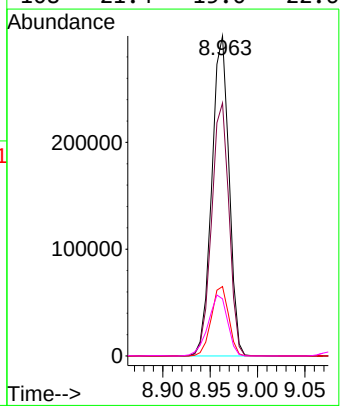
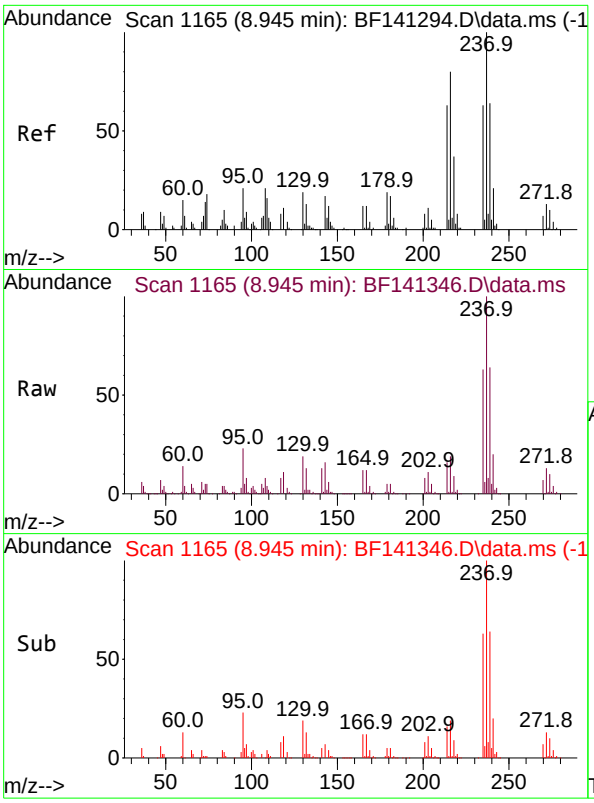


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.126 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:216 Resp: 379280

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.2	94.8
179	21.9	17.8	26.8
108	21.4	15.0	22.6

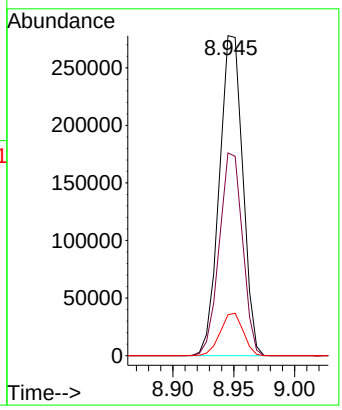




#41
Hexachlorocyclopentadiene
Concen: 143.327 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:237 Resp: 37227

Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.9	82.9
272	12.8	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
357MSD

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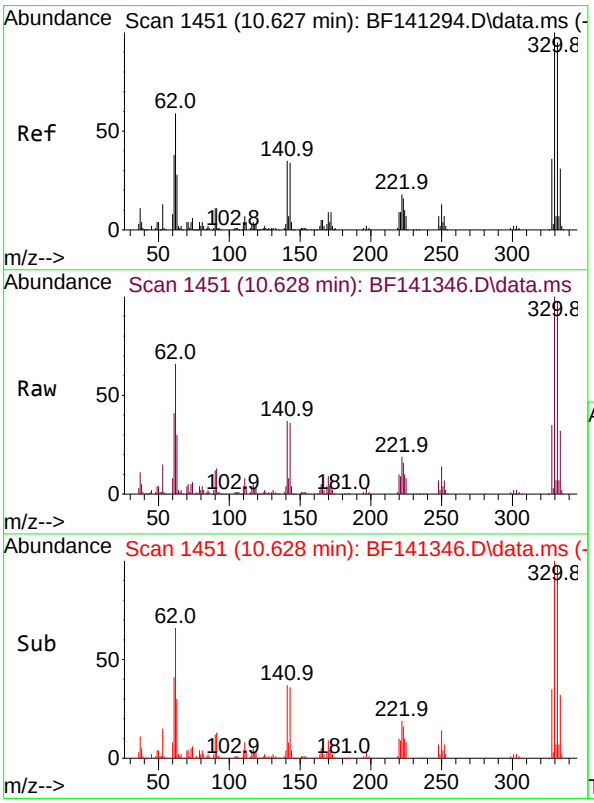
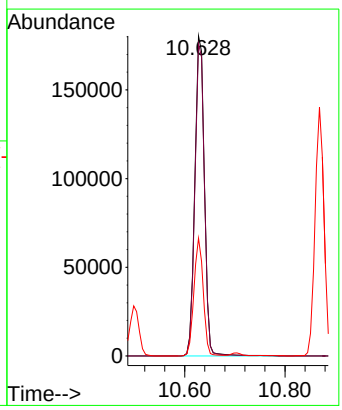
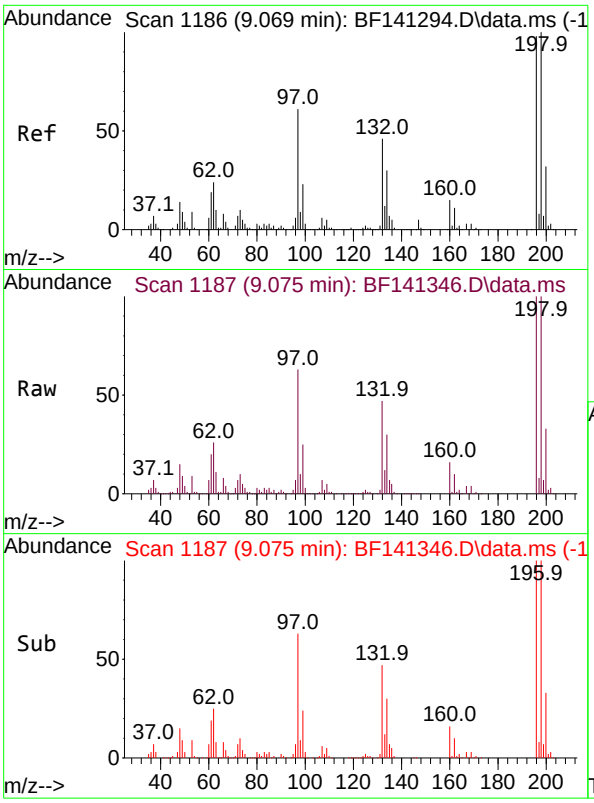


#42
2,4,6-Tribromophenol
Concen: 84.089 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:330 Resp: 238319

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.1	114.1
141	35.9	28.8	43.2

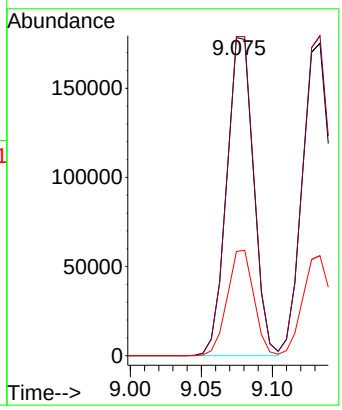




#43
2,4,6-Trichlorophenol
Concen: 40.951 ng
RT: 9.075 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:196 Resp: 23573

Ion	Ratio	Lower	Upper
196	100		
198	100.3	81.8	122.6
200	32.8	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
357MSD

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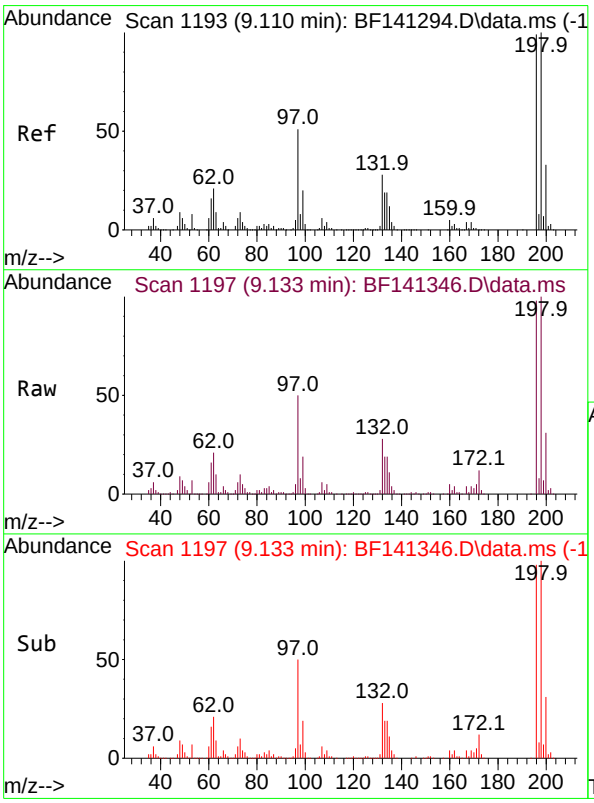
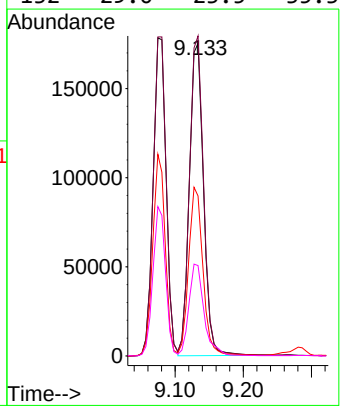
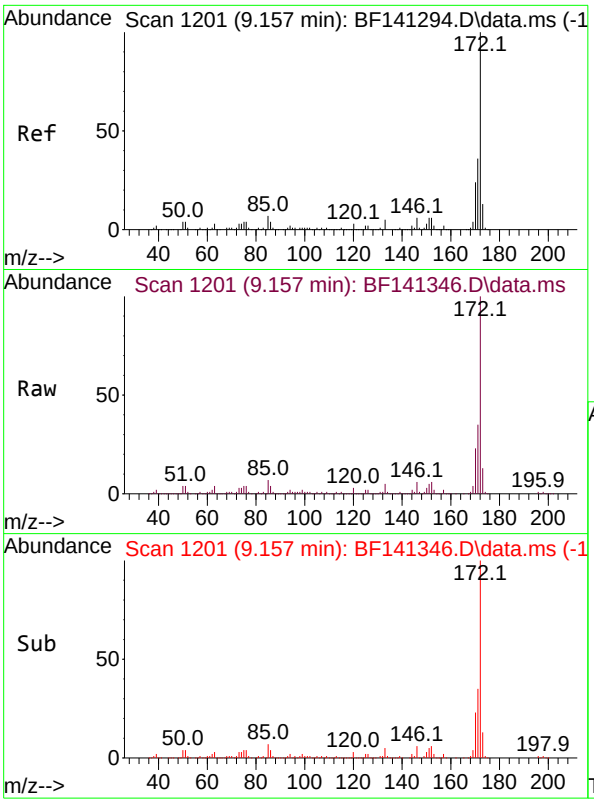


#44
2,4,5-Trichlorophenol
Concen: 40.115 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:196 Resp: 251331

Ion	Ratio	Lower	Upper
196	100		
198	102.4	80.5	120.7
97	51.2	42.8	64.2
132	29.0	23.5	35.3

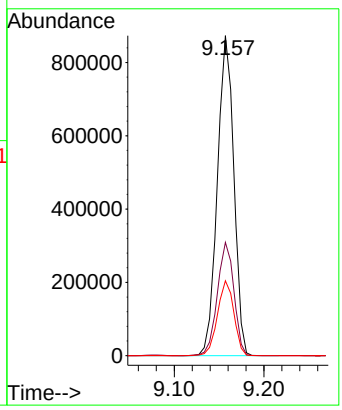




#45
2-Fluorobiphenyl
Concen: 55.463 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:172 Resp: 111395

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
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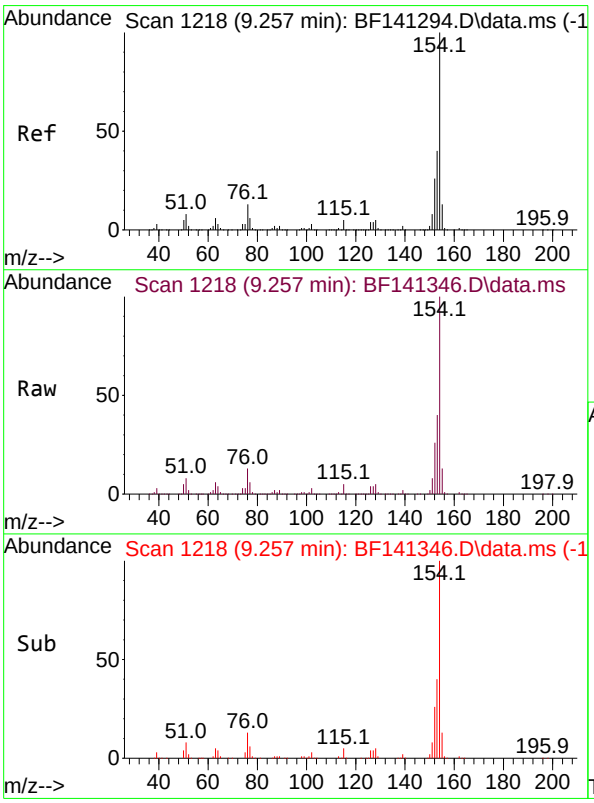
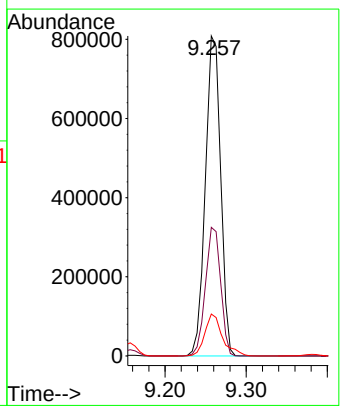
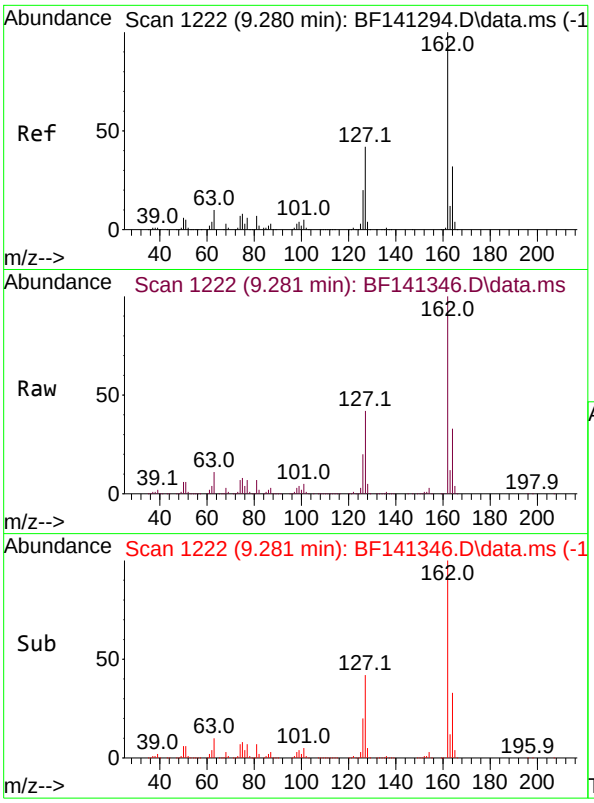


#46
1,1'-Biphenyl
Concen: 43.804 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:154 Resp: 1056092

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.0	60.0
76	13.1	0.0	32.8

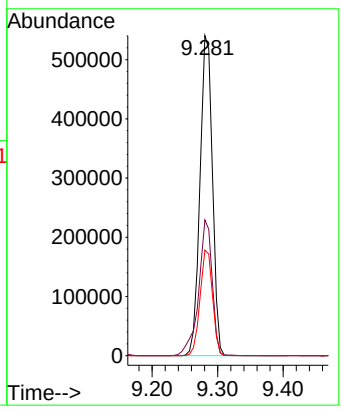




#47
2-Chloronaphthalene
Concen: 38.085 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:162 Resp: 71569

Ion	Ratio	Lower	Upper
162	100		
127	42.4	33.7	50.5
164	33.0	25.9	38.9



Instrument :
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ClientSampleId :
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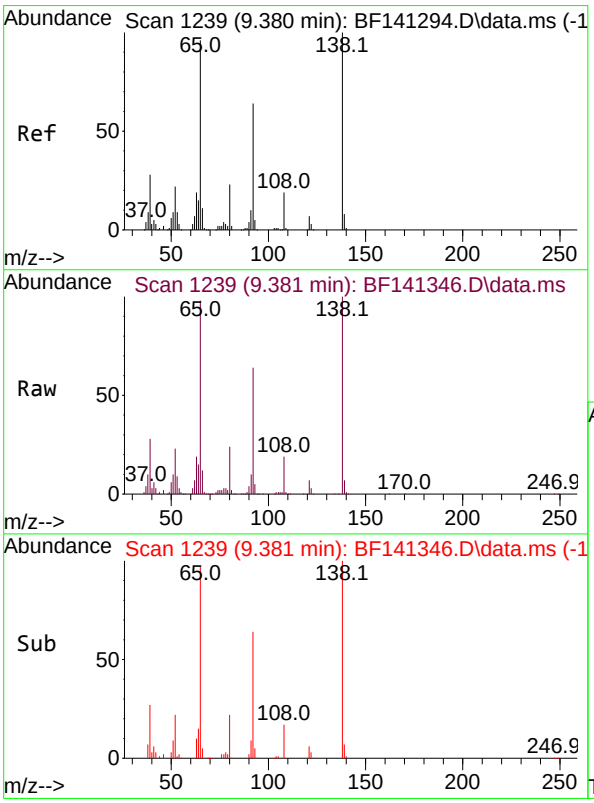
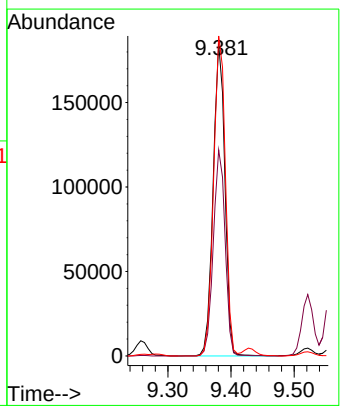
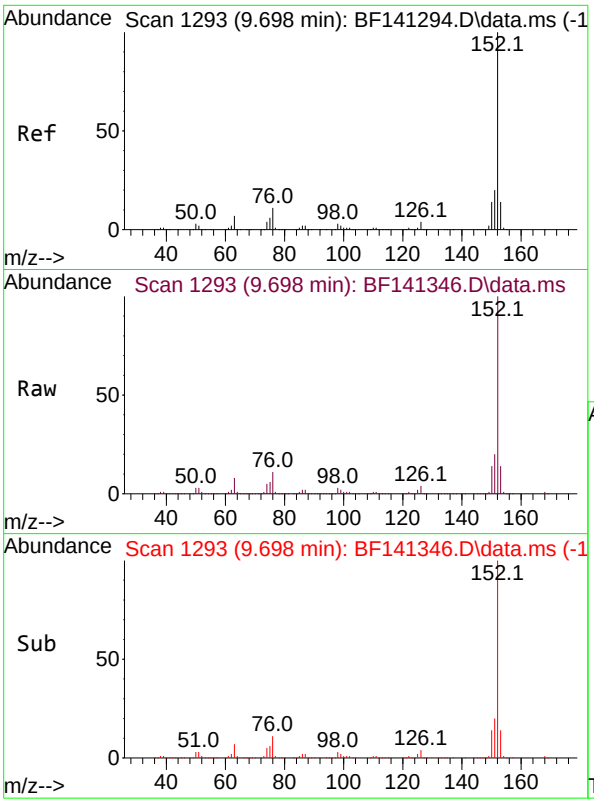


#48
2-Nitroaniline
Concen: 40.485 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 65 Resp: 239299

Ion	Ratio	Lower	Upper
65	100		
92	65.9	53.3	79.9
138	102.4	83.6	125.4

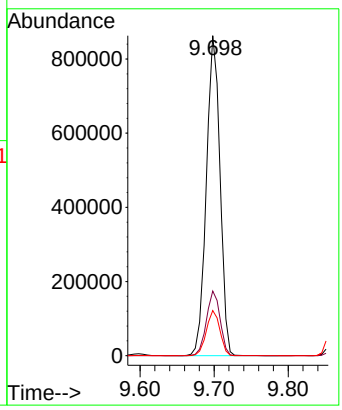




#49
Acenaphthylene
Concen: 42.034 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:152 Resp: 110572

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	14.1	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
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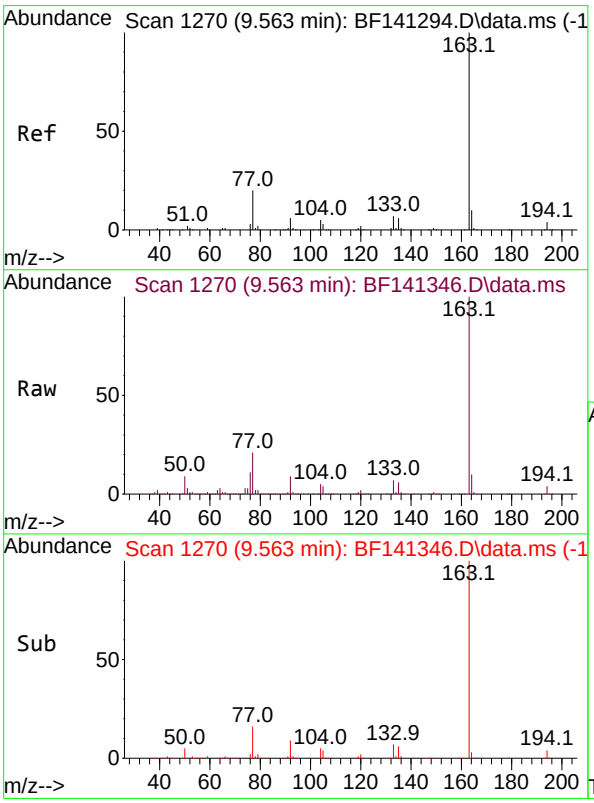
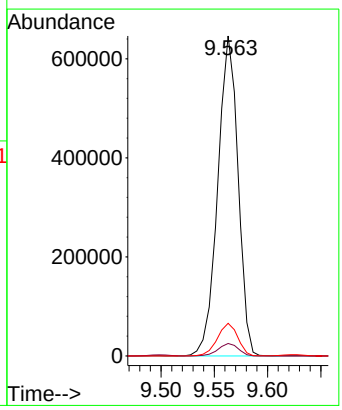
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

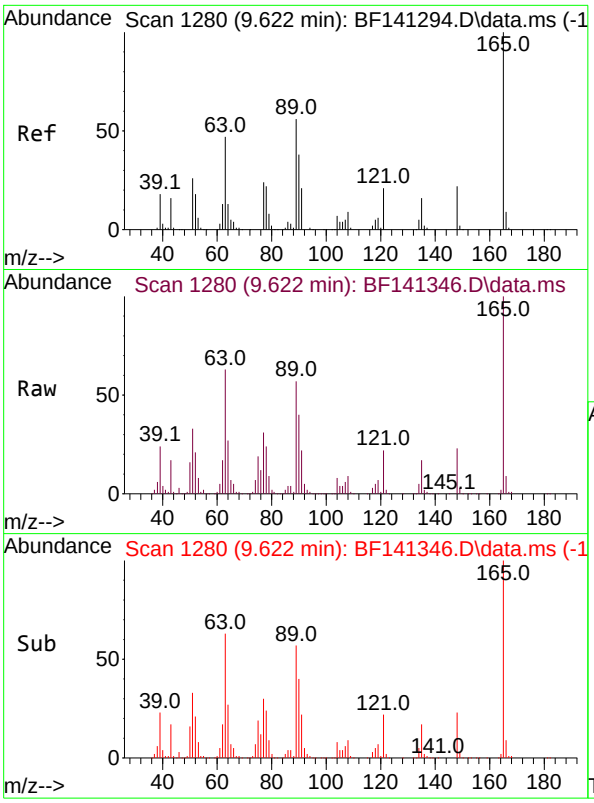


#50
Dimethylphthalate
Concen: 40.945 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:163 Resp: 854897

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.0	12.0

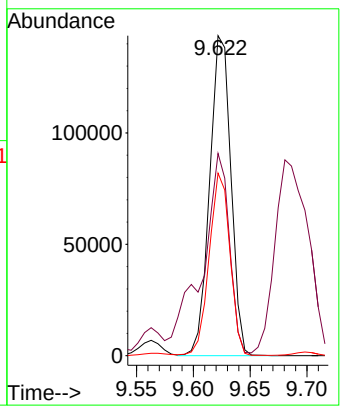




#51
2,6-Dinitrotoluene
Concen: 38.561 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:165 Resp: 18694

Ion	Ratio	Lower	Upper
165	100		
63	63.2	48.1	72.1
89	57.1	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
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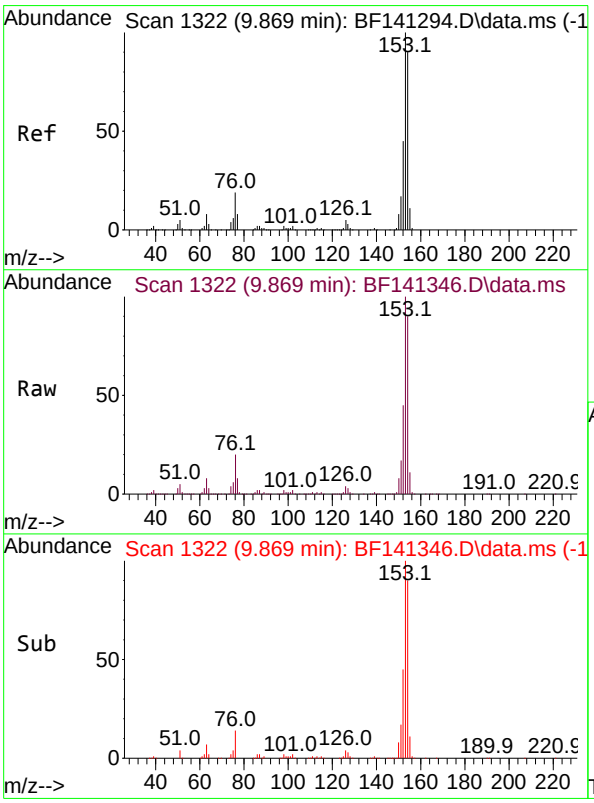
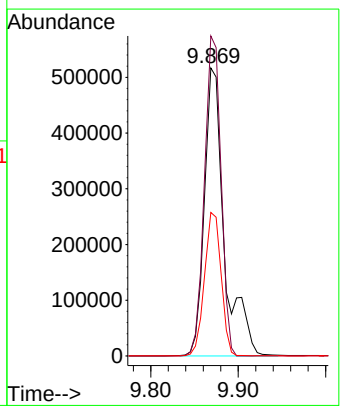
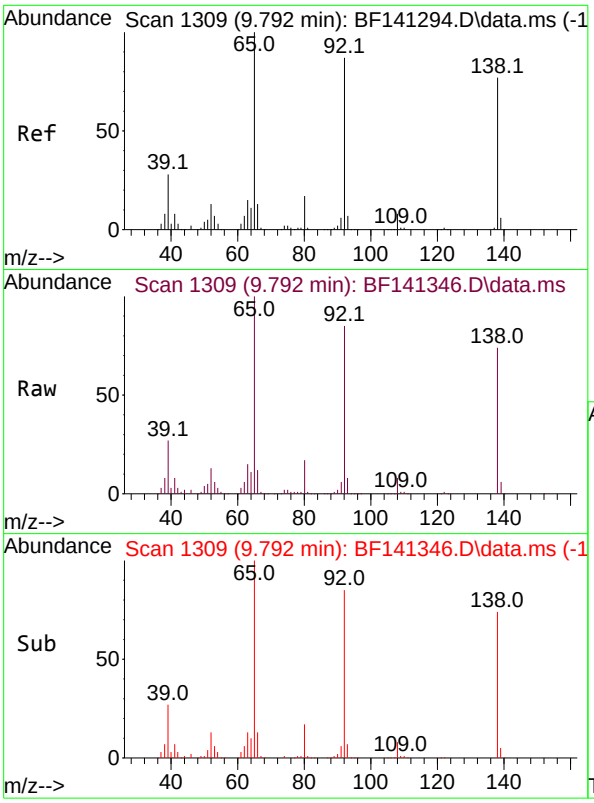


#52
Acenaphthene
Concen: 43.647 ng m
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:154 Resp: 820232

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.0	133.4
152	49.8	40.2	60.4





#53
3-Nitroaniline
Concen: 23.491 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:138 Resp: 11161

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	115.0	91.0	136.6

Instrument :
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ClientSampleId :
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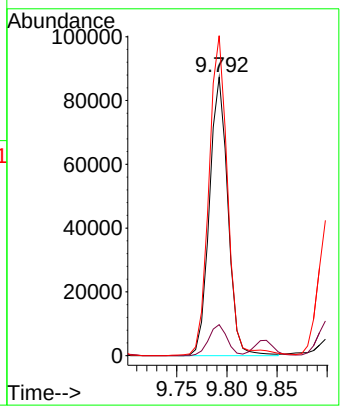
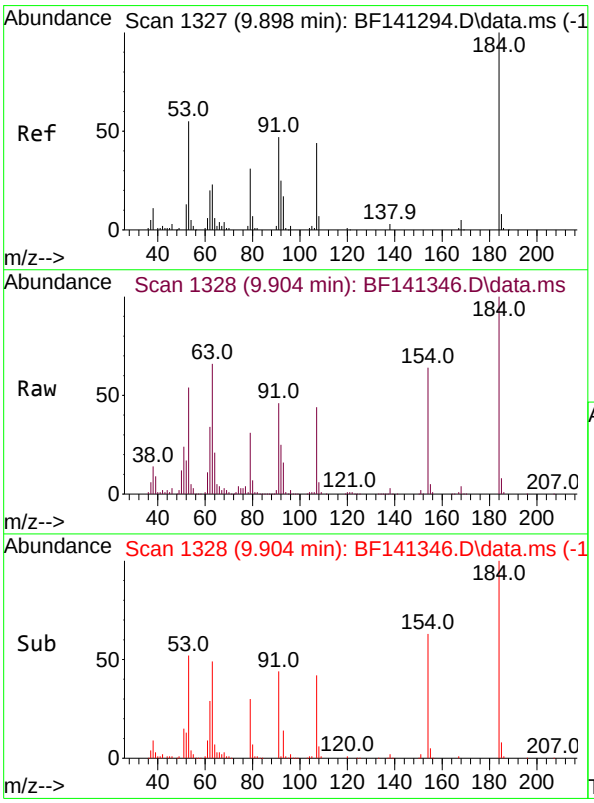
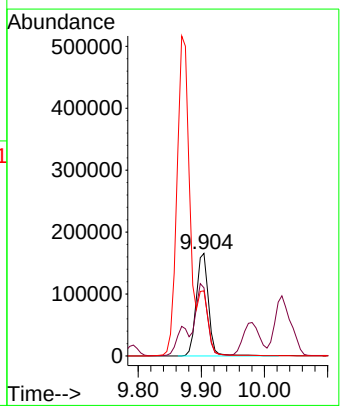


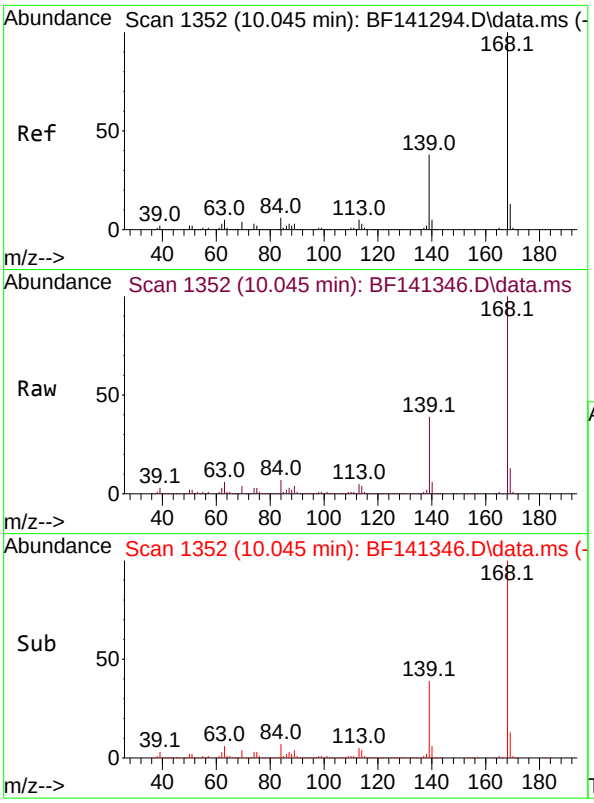


#54
2,4-Dinitrophenol
Concen: 99.384 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:184 Resp: 223971

Ion	Ratio	Lower	Upper
184	100		
63	66.4	54.1	81.1
154	63.6	50.7	76.1

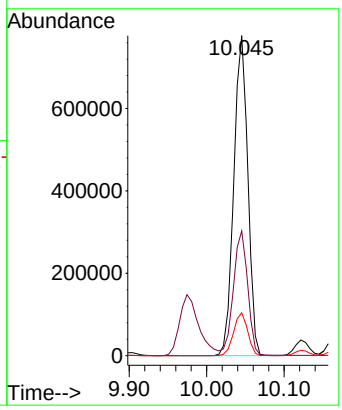




#55
Dibenzofuran
Concen: 38.954 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:168 Resp: 97986

Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.6	46.0
169	13.4	10.8	16.2



Instrument :
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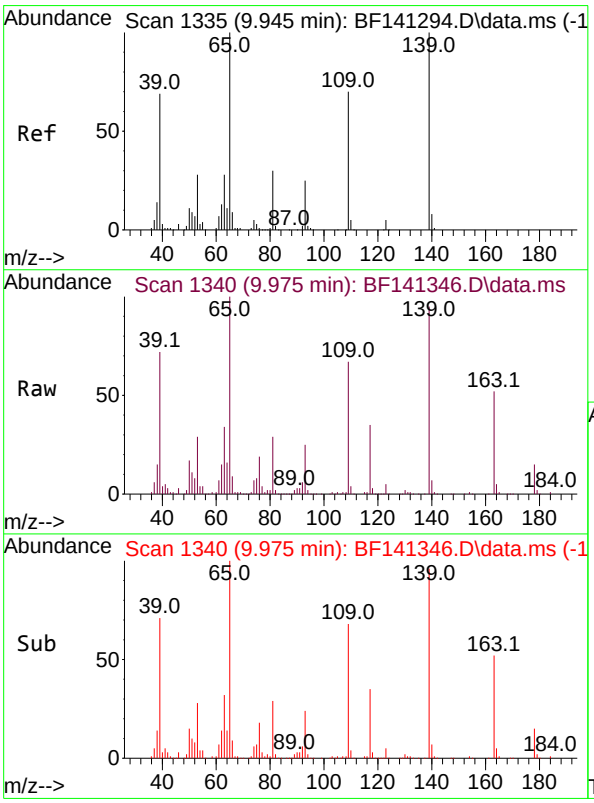
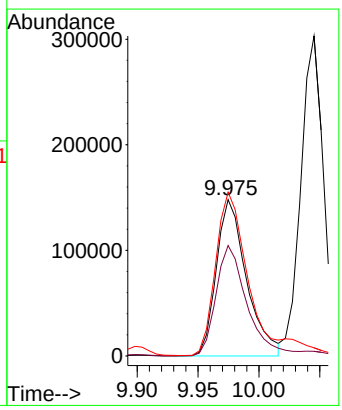
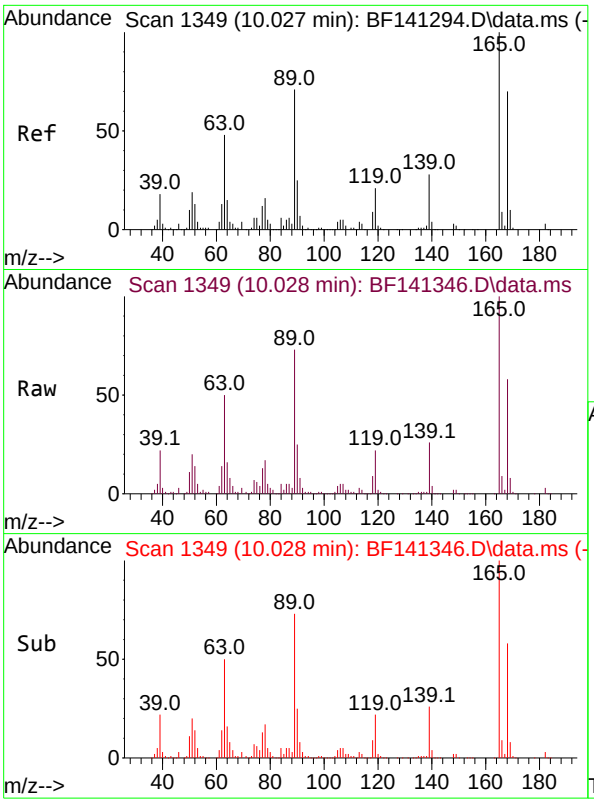


#56
4-Nitrophenol
Concen: 73.413 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:139 Resp: 255108

Ion	Ratio	Lower	Upper
139	100		
109	70.6	50.2	90.2
65	104.8	80.6	120.6

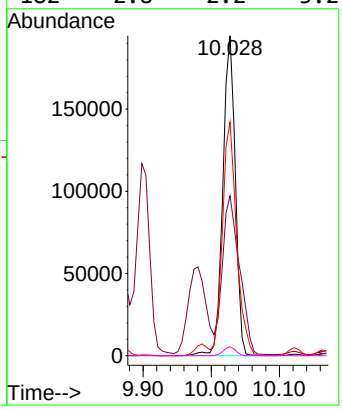




#57
2,4-Dinitrotoluene
Concen: 39.446 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:165 Resp: 24759

Ion	Ratio	Lower	Upper
165	100		
63	49.9	39.2	58.8
89	73.0	56.9	85.3
182	2.8	2.2	3.2



Instrument :
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ClientSampleId :
357MSD

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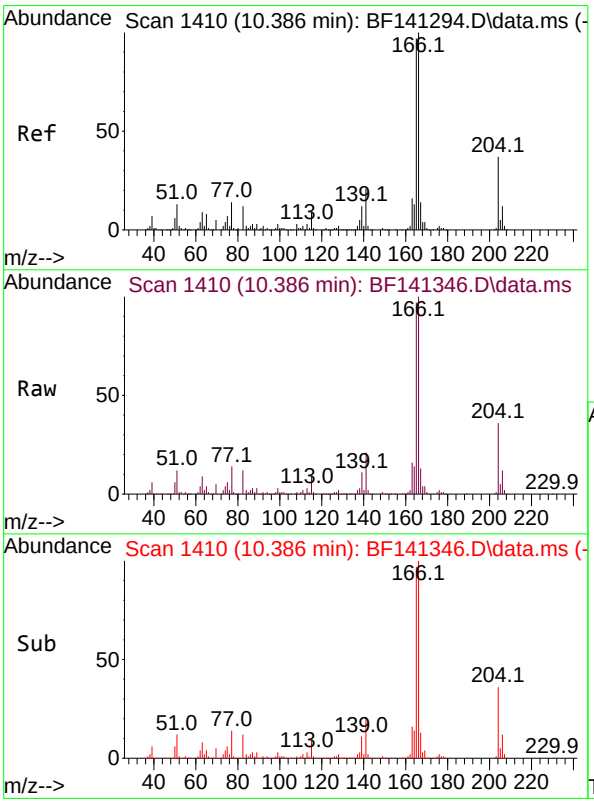
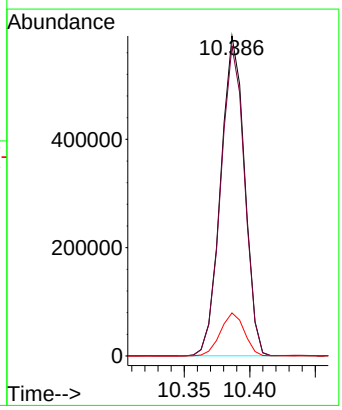
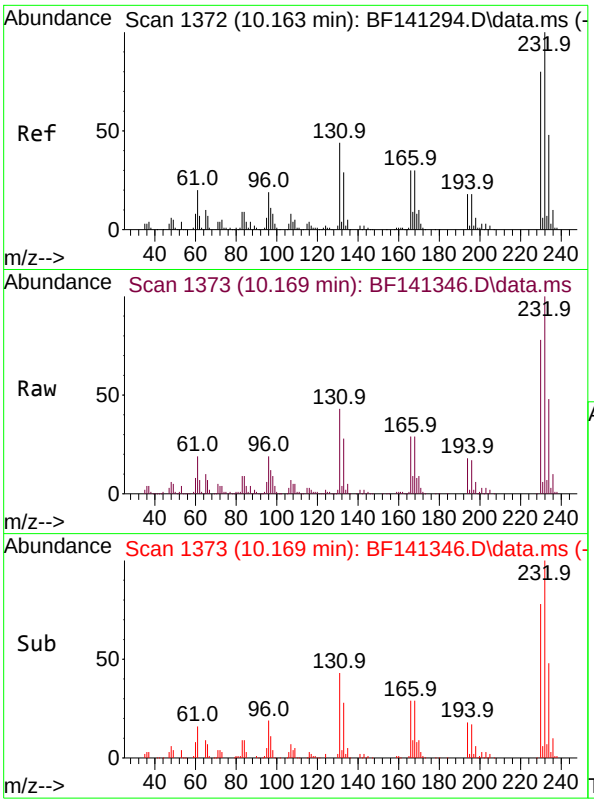


#58
Fluorene
Concen: 38.252 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:166 Resp: 746386

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.5	10.9	16.3

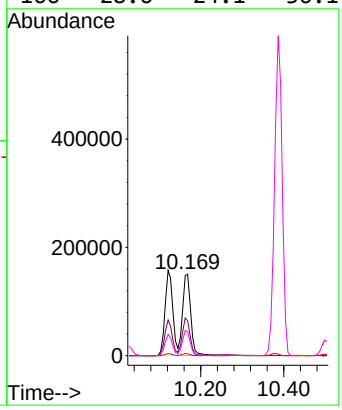




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.317 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:232 Resp: 20858

Ion	Ratio	Lower	Upper
232	100		
131	43.9	36.4	54.6
130	2.4	1.9	2.9
166	28.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
357MSD

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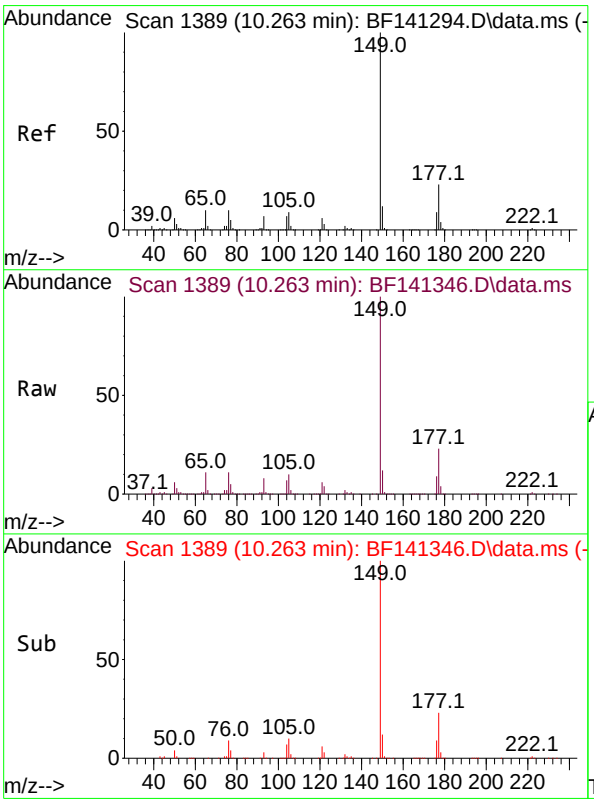
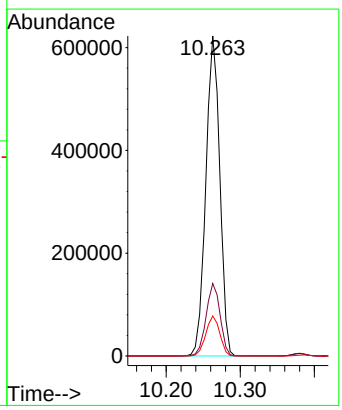
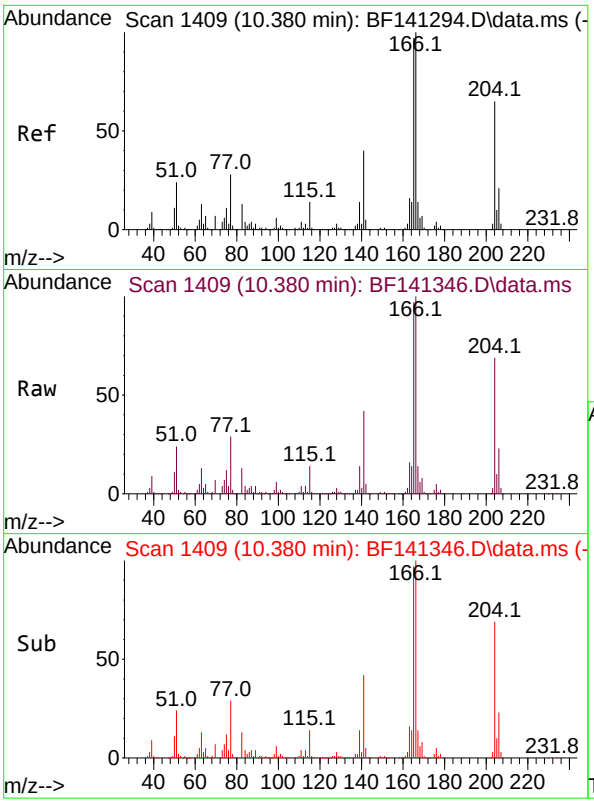


#60
Diethylphthalate
Concen: 40.244 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:149 Resp: 814729

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.5	27.7
150	12.5	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 38.104 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:204 Resp: 36317

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.9	38.9
141	61.1	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
357MSD

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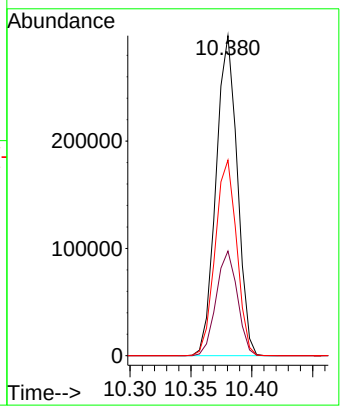
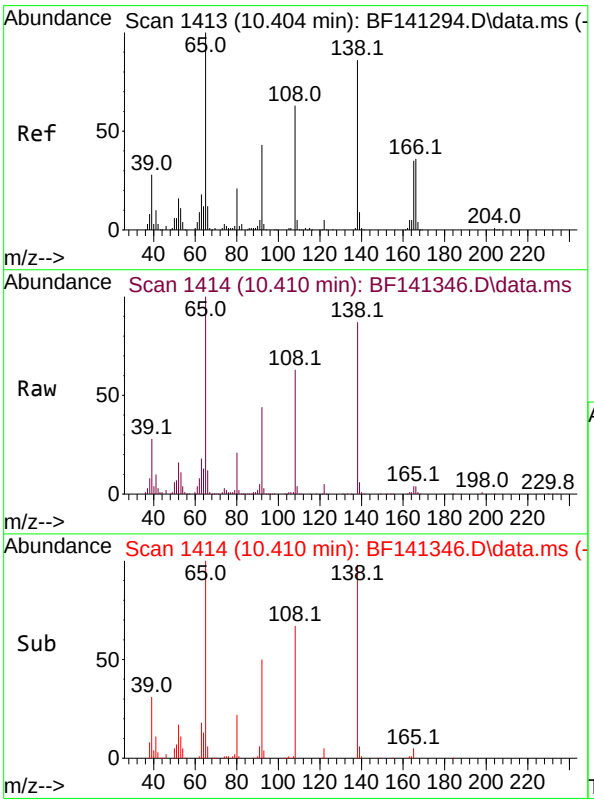
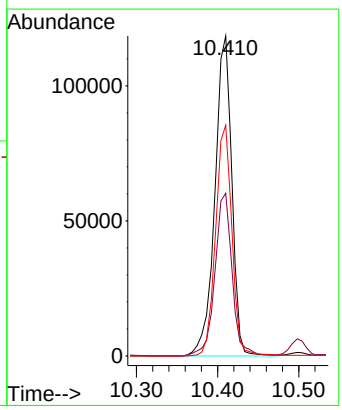


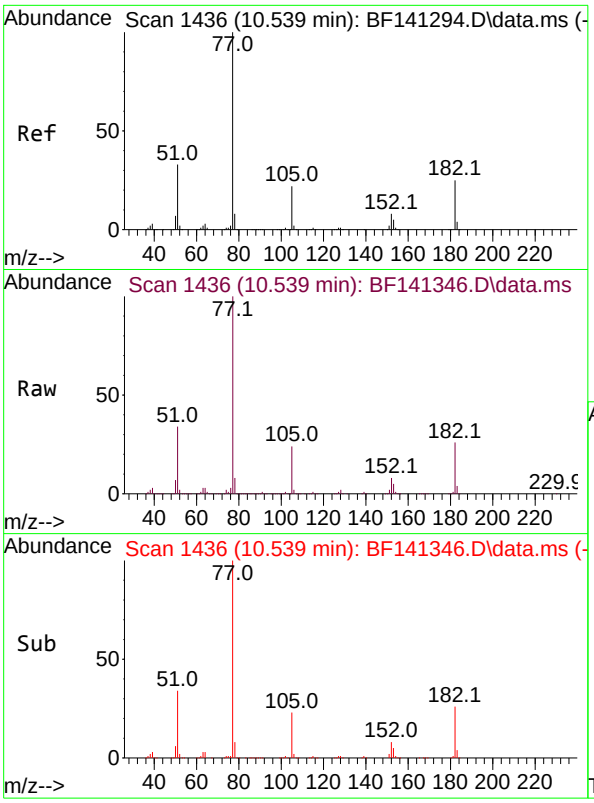


#62
4-Nitroaniline
Concen: 36.844 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:138 Resp: 172114

Ion	Ratio	Lower	Upper
138	100		
92	50.9	30.1	70.1
108	72.1	53.1	93.1

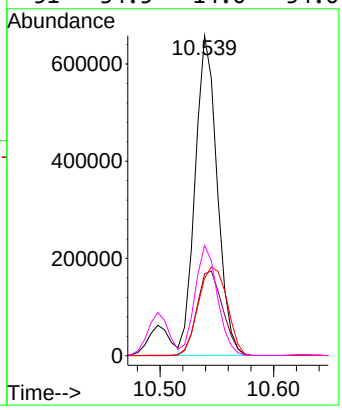




#63
Azobenzene
Concen: 43.701 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion: 77 Resp: 88559

Ion	Ratio	Lower	Upper
77	100		
182	25.6	5.1	45.1
105	24.3	1.8	41.8
51	34.5	14.0	54.0



Instrument :
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ClientSampleId :
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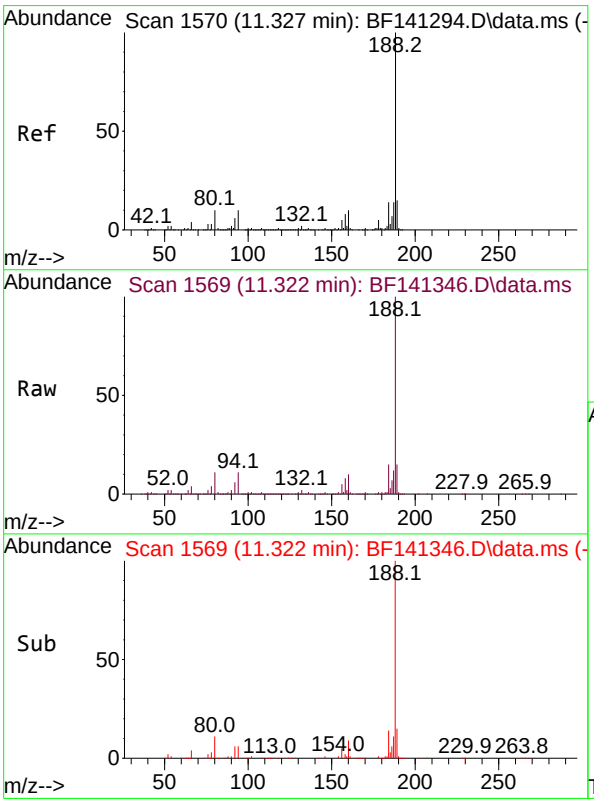
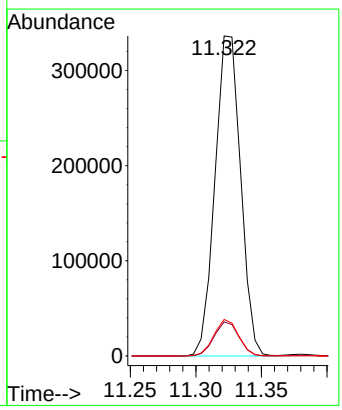
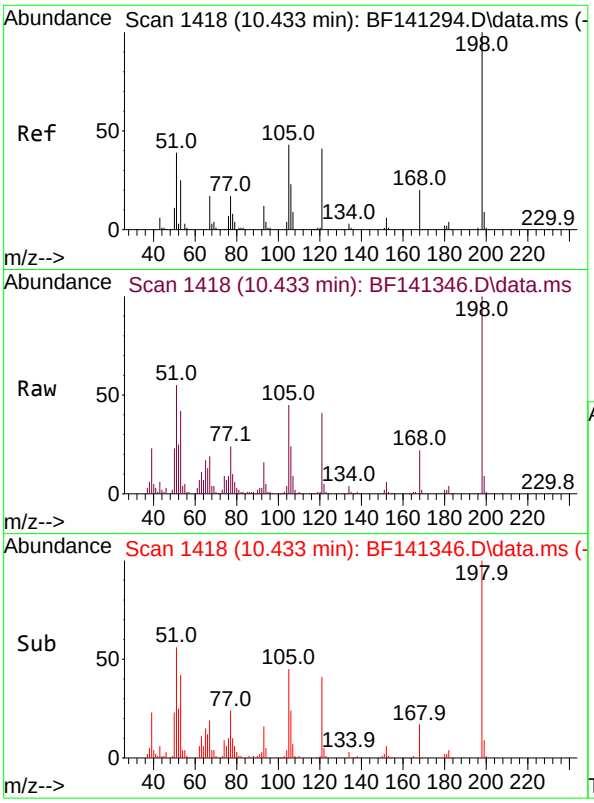


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:188 Resp: 457150

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.4	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 51.922 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:198 Resp: 14039

Ion	Ratio	Lower	Upper
198	100		
51	55.1	33.4	73.4
105	44.7	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
357MSD

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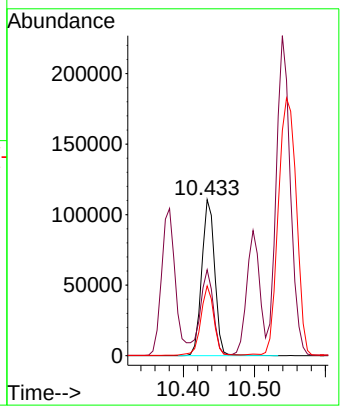
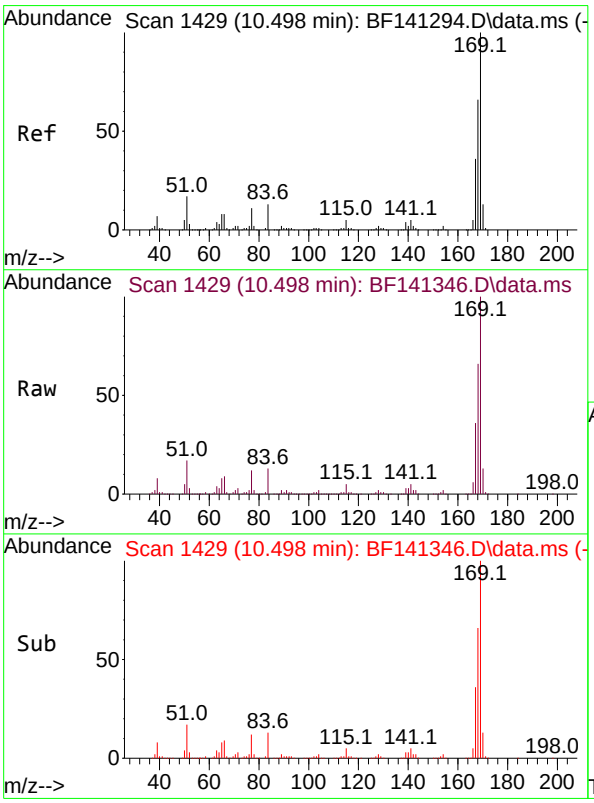
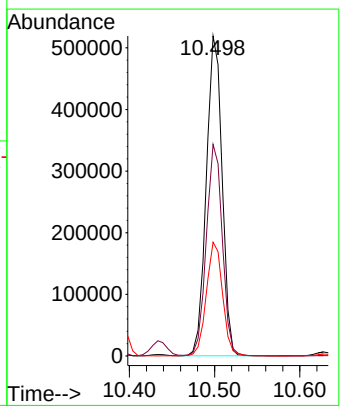


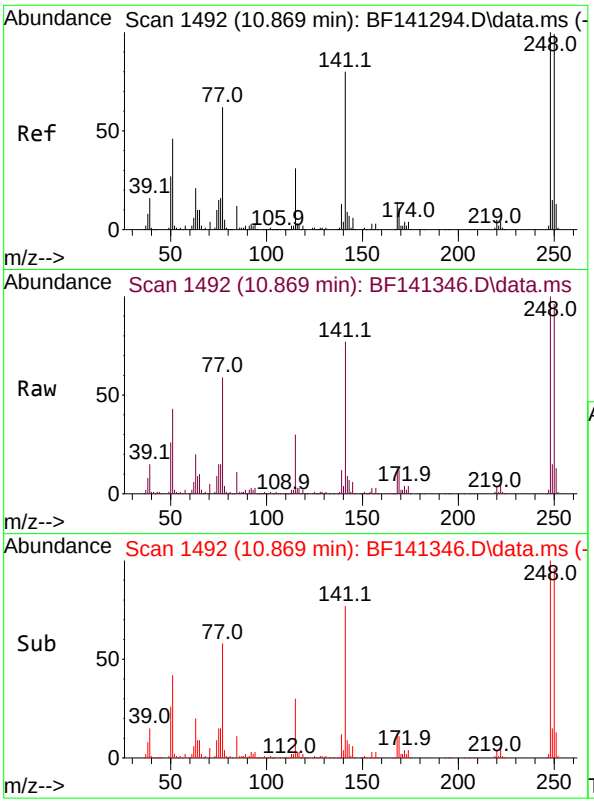


#66
n-Nitrosodiphenylamine
Concen: 45.158 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:169 Resp: 667697

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.4
167	35.6	28.8	43.2

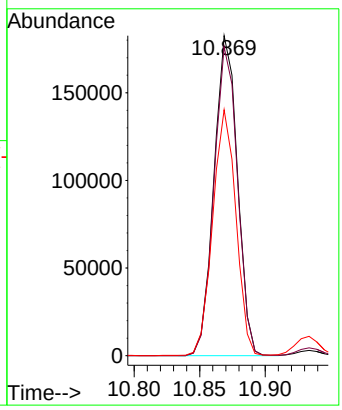




#67
4-Bromophenyl-phenylether
Concen: 44.366 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:248 Resp: 22706

Ion	Ratio	Lower	Upper
248	100		
250	96.5	79.0	118.4
141	76.8	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
357MSD

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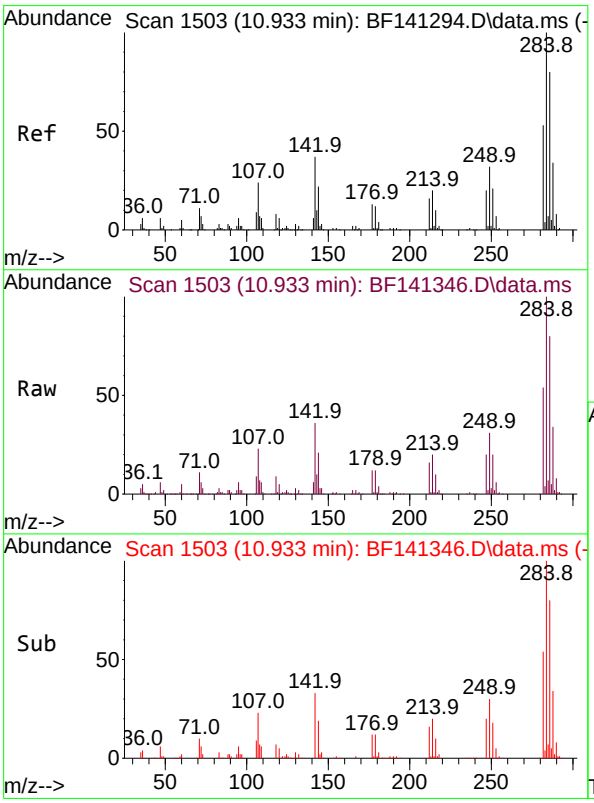
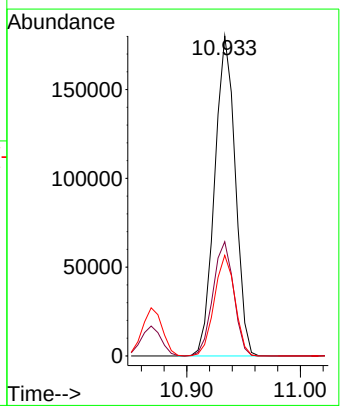
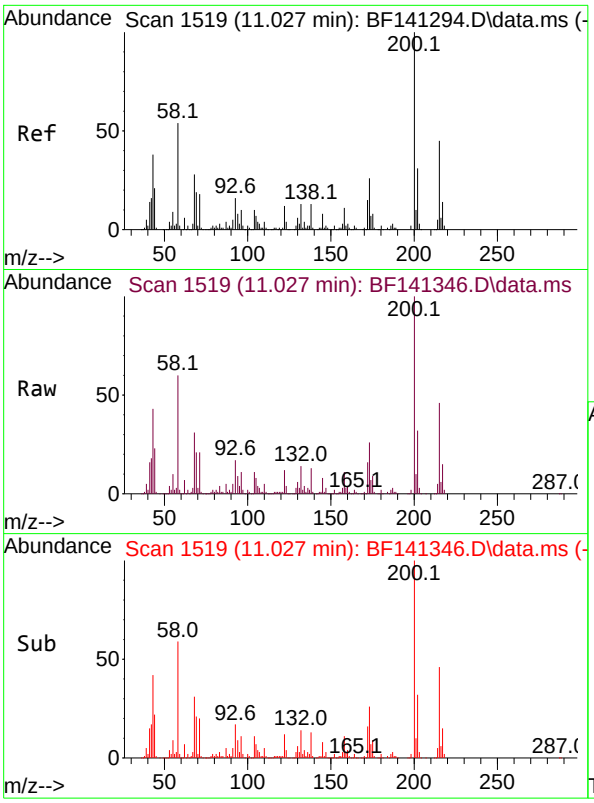


#68
Hexachlorobenzene
Concen: 41.915 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:284 Resp: 227552

Ion	Ratio	Lower	Upper
284	100		
142	35.7	29.5	44.3
249	31.5	25.4	38.2

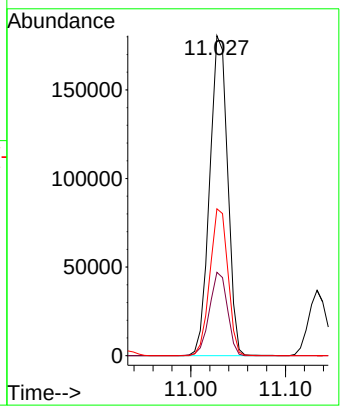




#69
Atrazine
Concen: 48.067 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:200 Resp: 23762

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.9	45.9
215	45.9	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
357MSD

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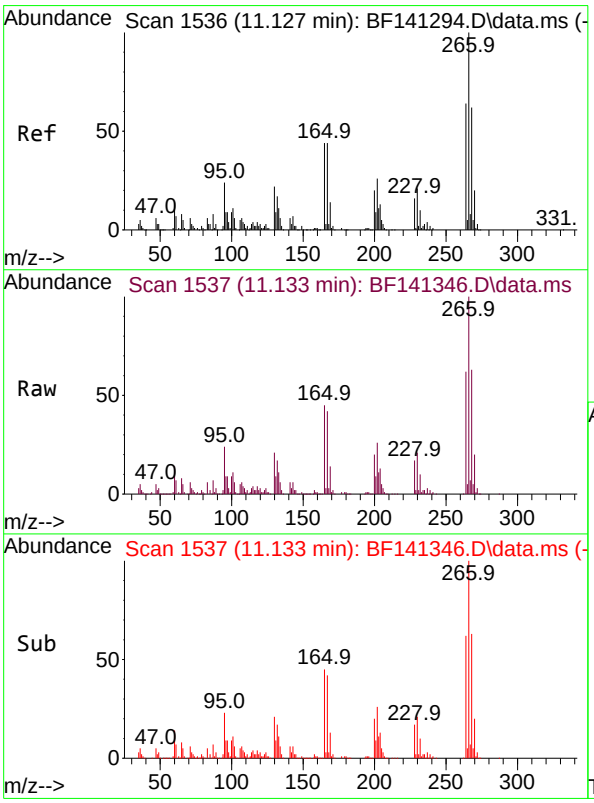
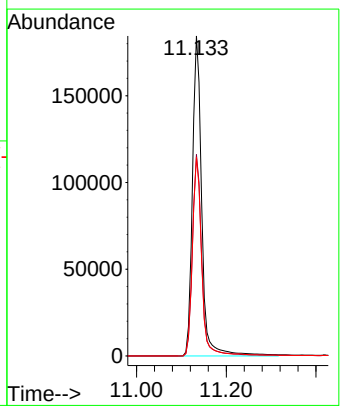
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

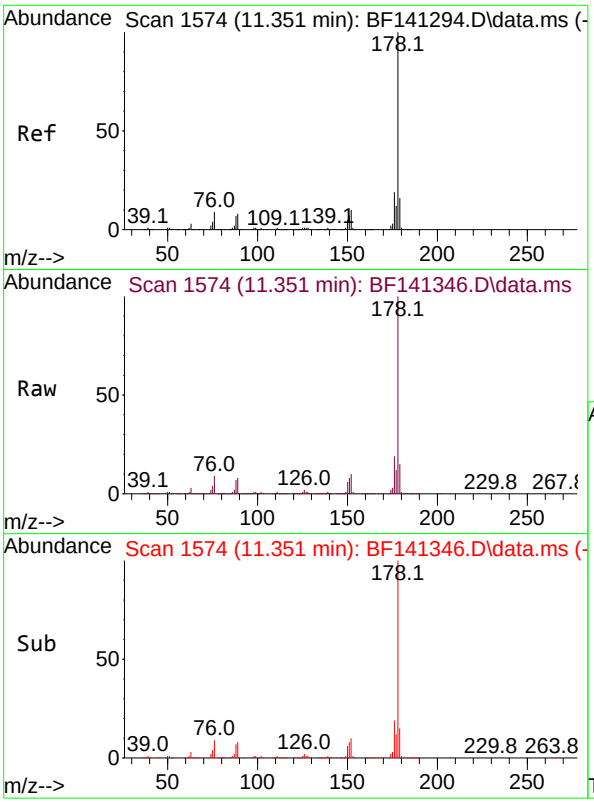


#70
Pentachlorophenol
Concen: 83.676 ng
RT: 11.133 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:266 Resp: 266010

Ion	Ratio	Lower	Upper
266	100		
268	62.9	49.9	74.9
264	62.2	51.0	76.4





#71
Phenanthrene
Concen: 42.741 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:178 Resp: 105031

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.4	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
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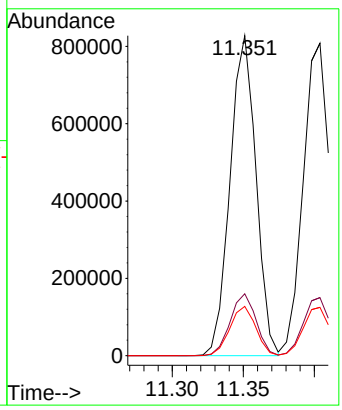
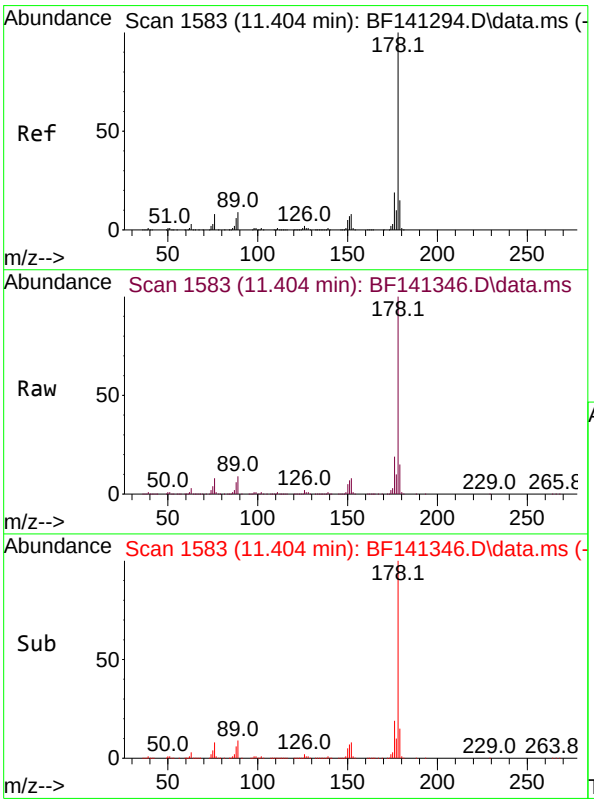
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

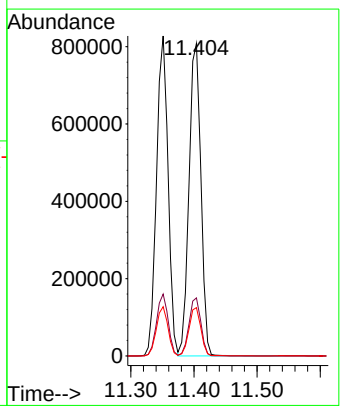


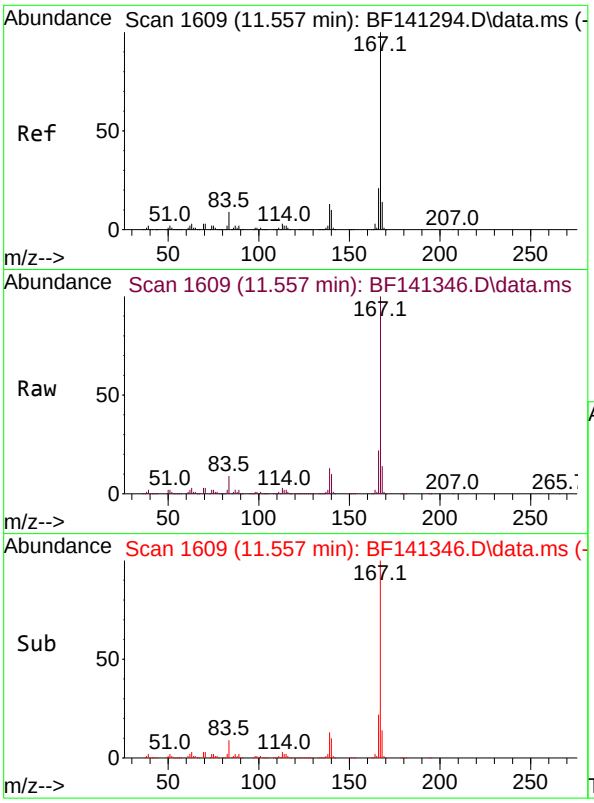


#72
Anthracene
Concen: 43.760 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:178 Resp: 1053645

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.5	12.3	18.5

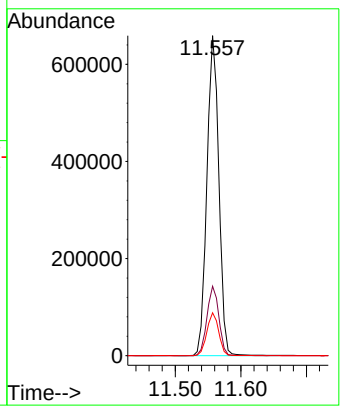




#73
Carbazole
Concen: 39.021 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:167 Resp: 83311

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
357MSD

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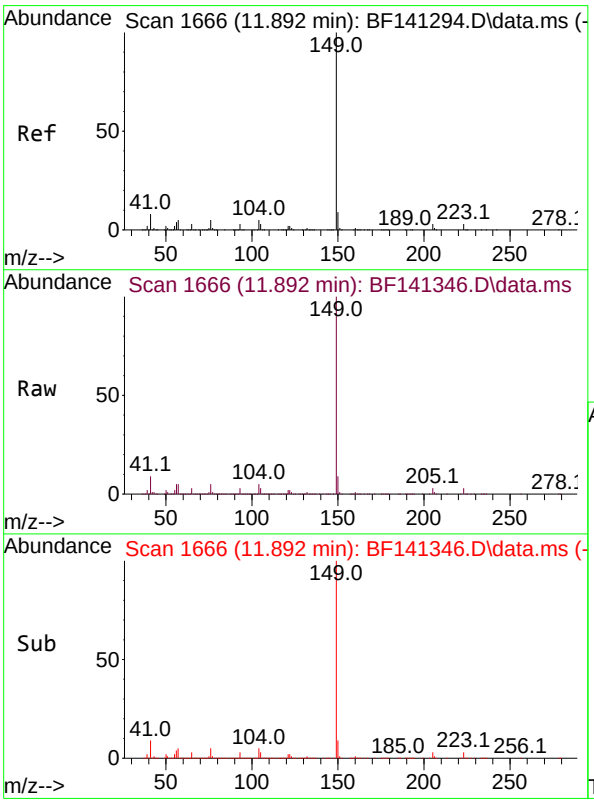
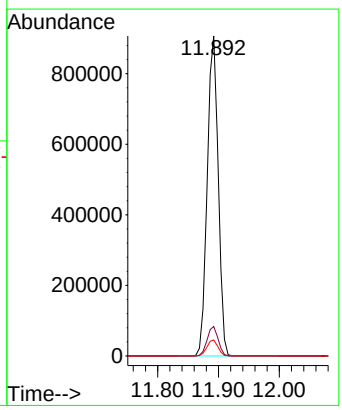
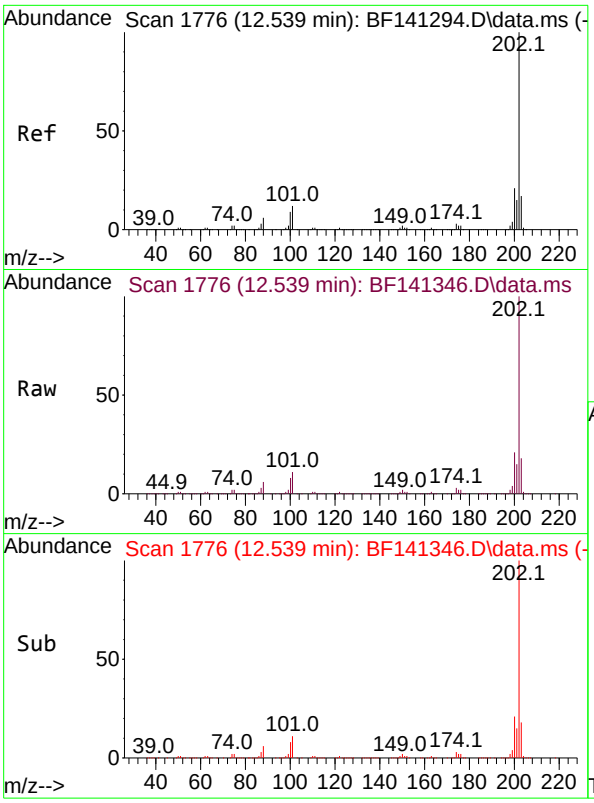


#74
Di-n-butylphthalate
Concen: 43.908 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:149 Resp: 1136082

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.0	3.9	5.9

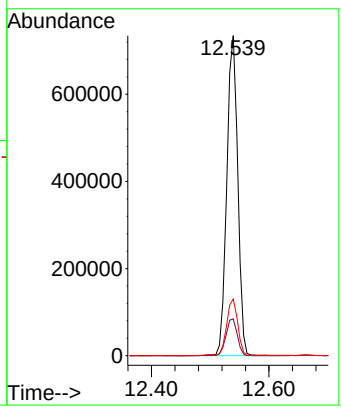




#75
Fluoranthene
Concen: 39.185 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:202 Resp: 95078

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.7
203	17.7	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
357MSD

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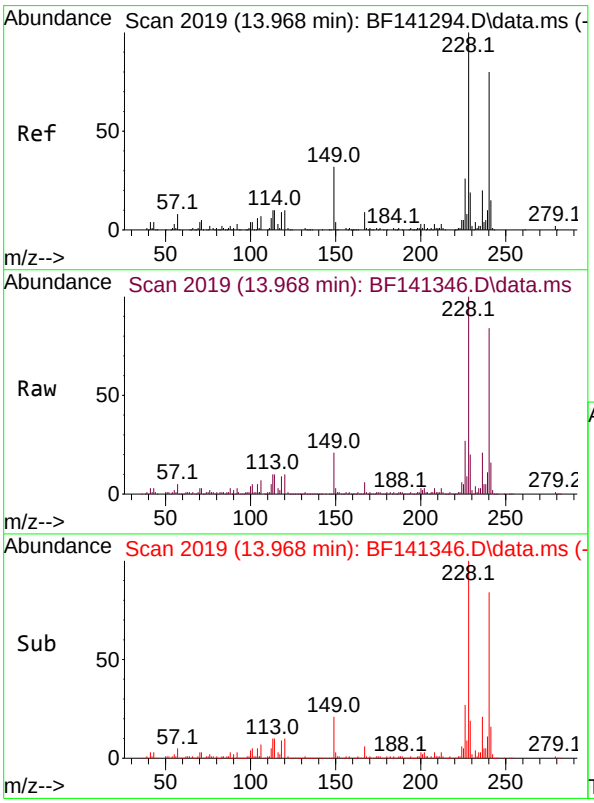
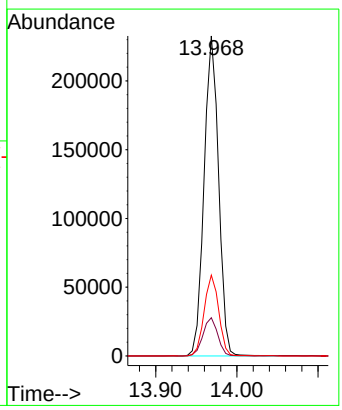
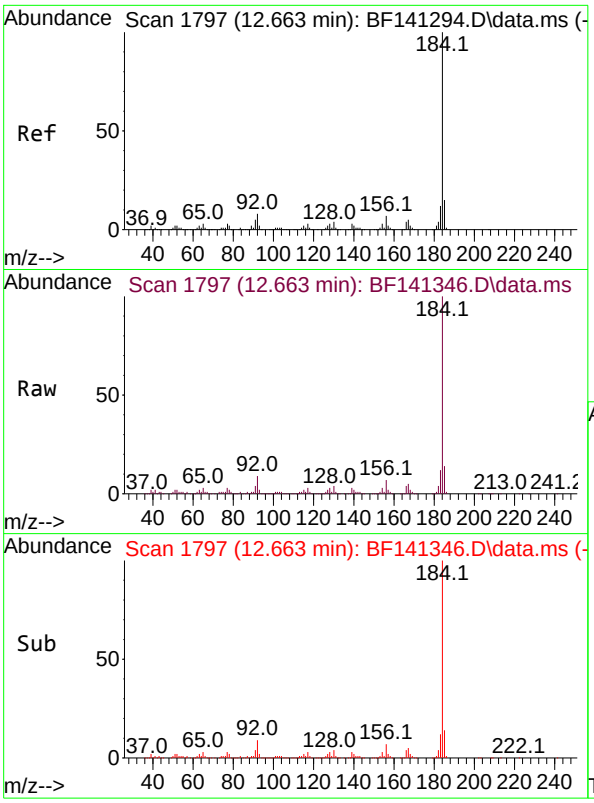


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:240 Resp: 288493

Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.0	15.0
236	25.3	19.7	29.5

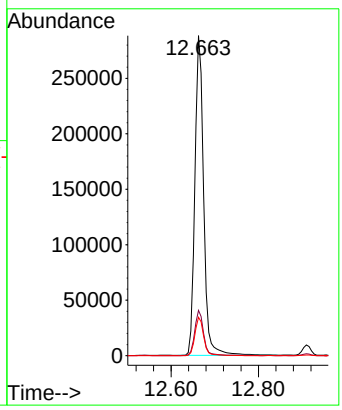




#77
Benzidine
Concen: 43.495 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:184 Resp: 40226

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.9	17.9
183	12.0	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
357MSD

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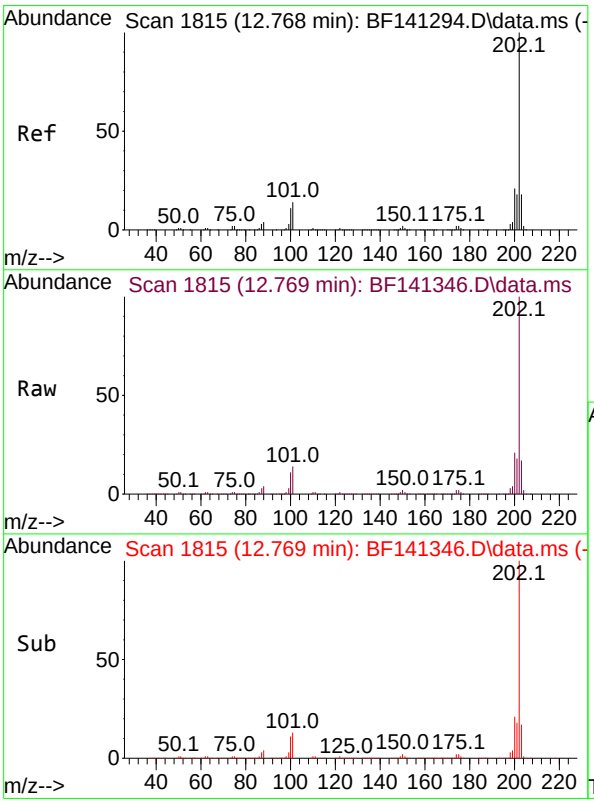
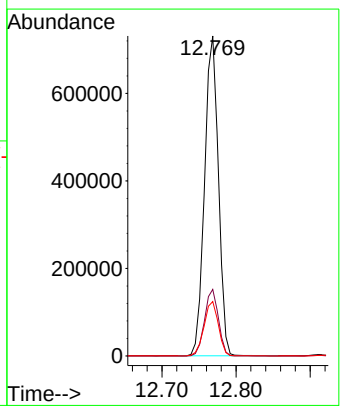
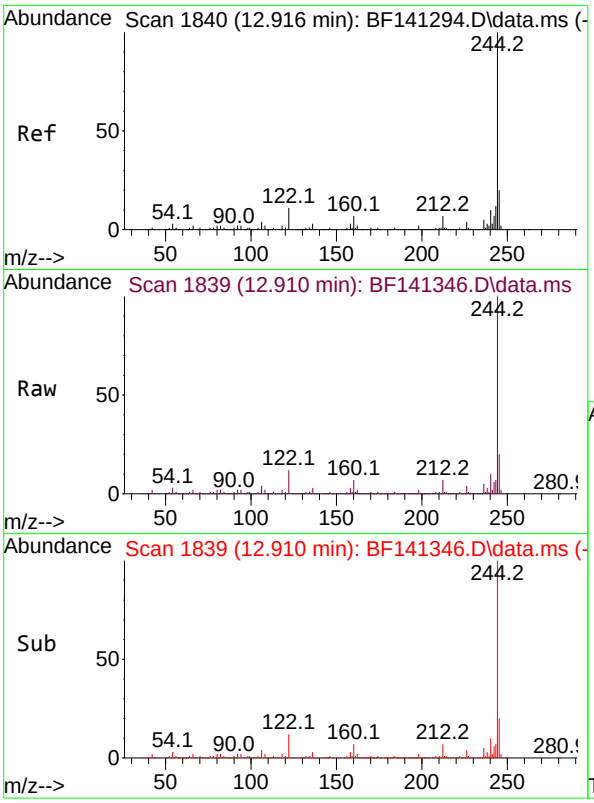


#78
Pyrene
Concen: 34.219 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:202 Resp: 947624

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.0	14.3	21.5

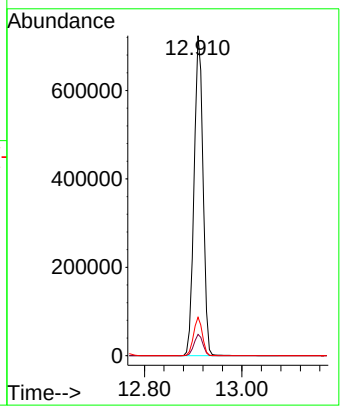




#79
Terphenyl-d14
Concen: 49.697 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:244 Resp: 92966

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
357MSD

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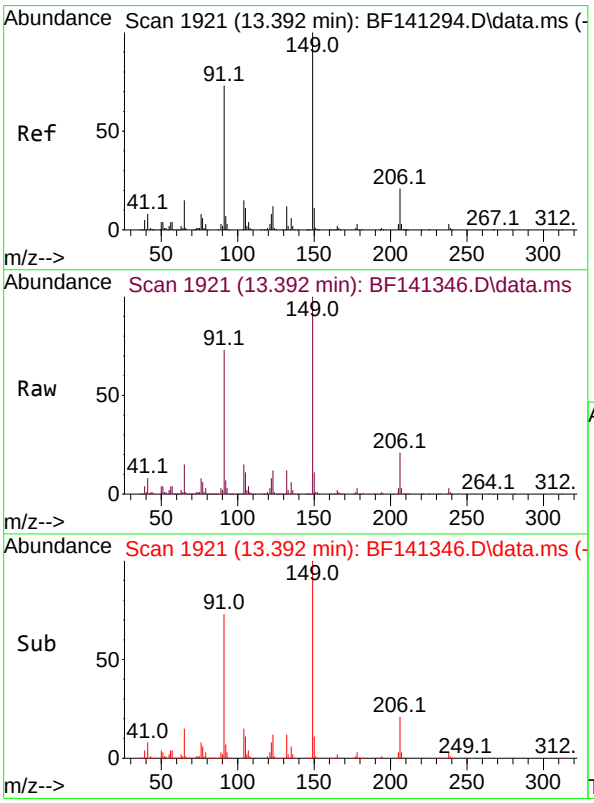
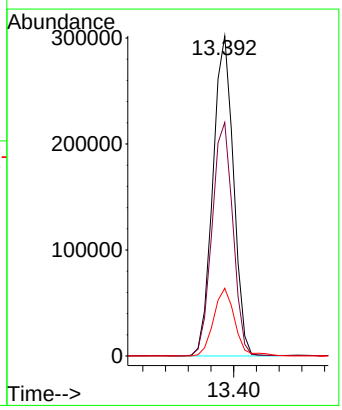
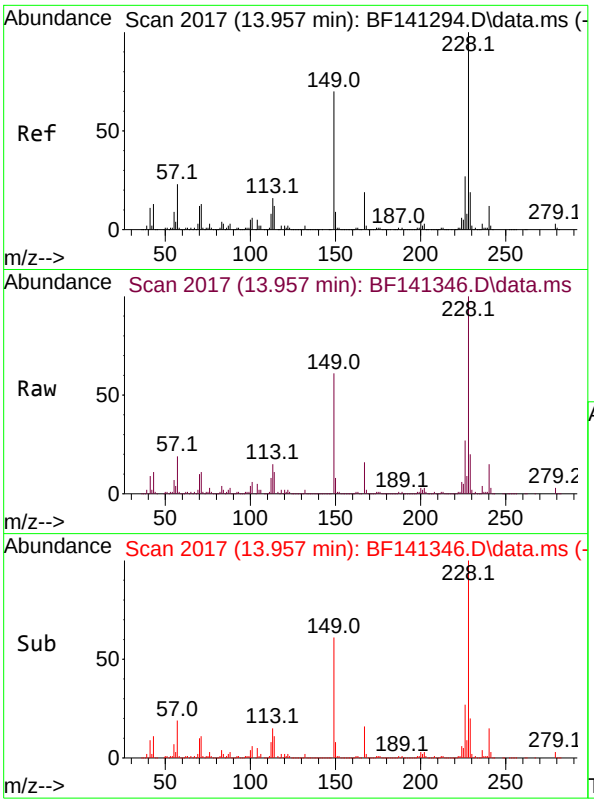


#80
Butylbenzylphthalate
Concen: 39.340 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:149 Resp: 380601

Ion	Ratio	Lower	Upper
149	100		
91	73.0	58.6	87.8
206	21.2	16.7	25.1

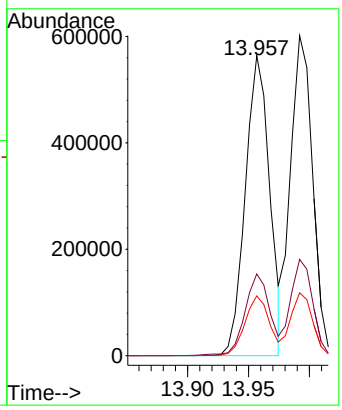




#81
Benzo(a)anthracene
Concen: 39.373 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:228 Resp: 78382

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.9	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
357MSD

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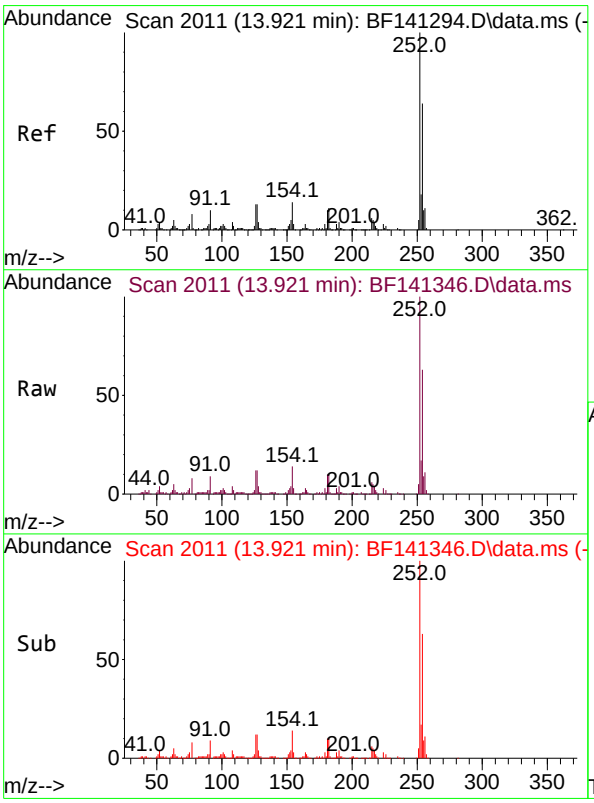
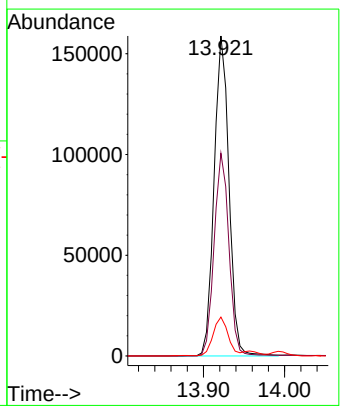
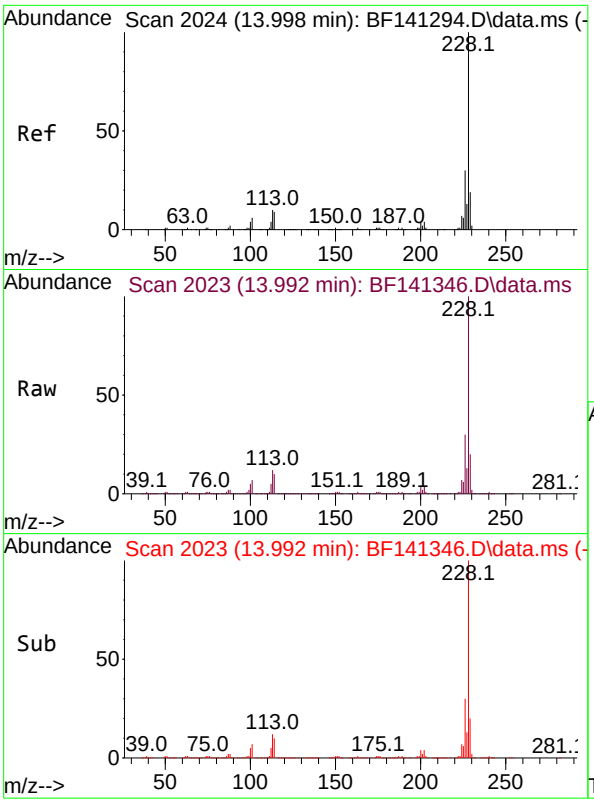


#82
3,3'-Dichlorobenzidine
Concen: 31.995 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:252 Resp: 202580

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.3	76.9
126	12.1	10.0	15.0

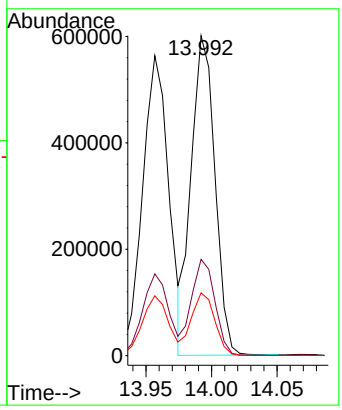




#83
Chrysene
Concen: 41.606 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:228 Resp: 75909

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
357MSD

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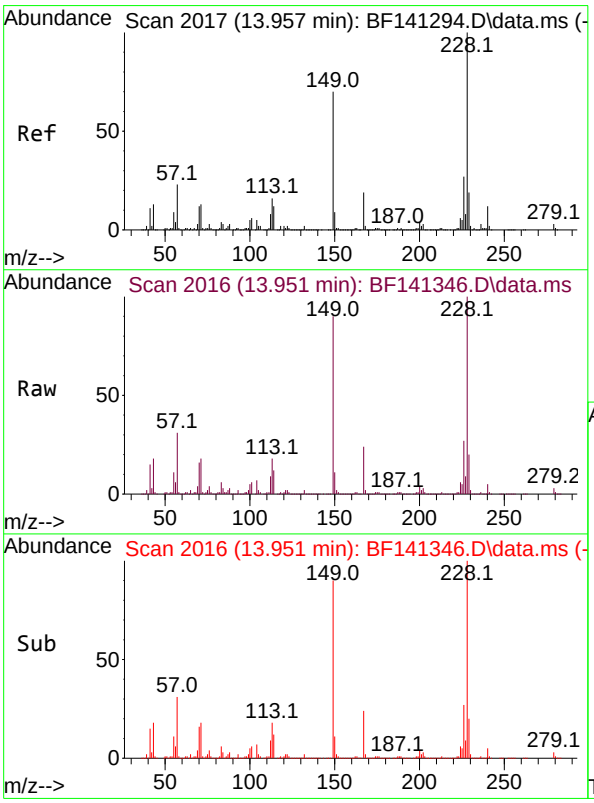
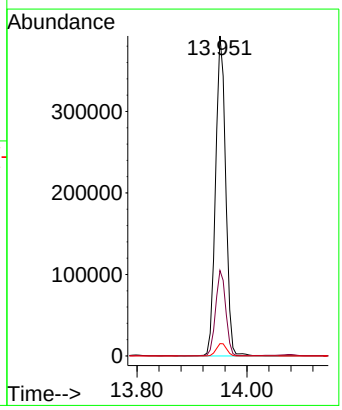
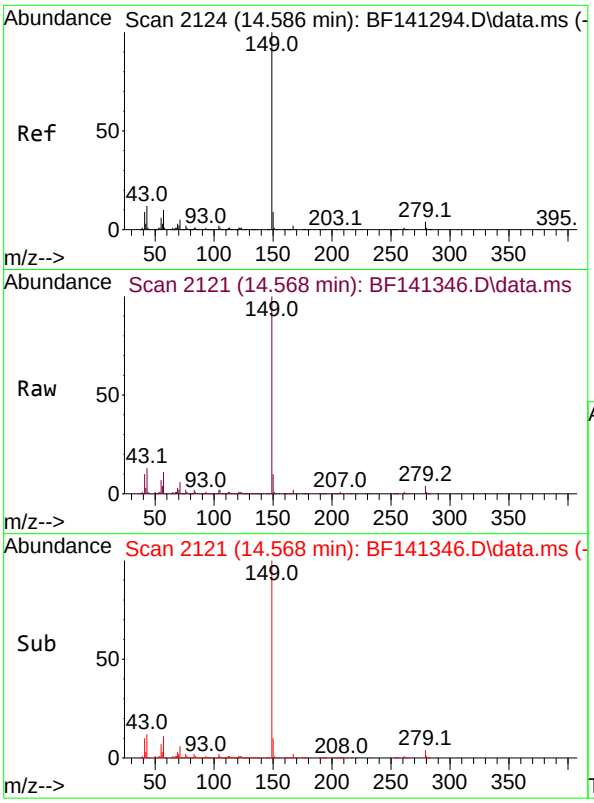


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.154 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:149 Resp: 505063

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 47.113 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:149 Resp: 89805

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	12.0	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
357MSD

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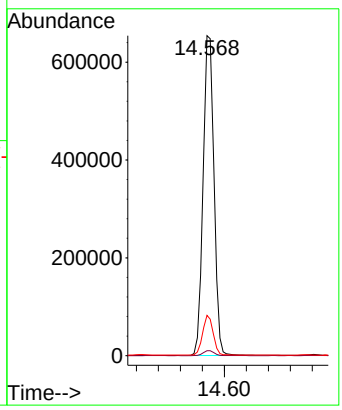
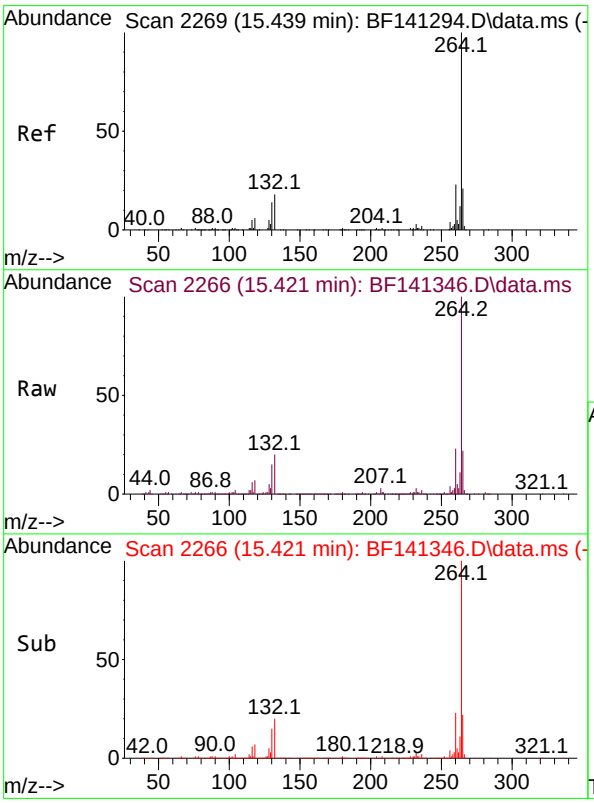
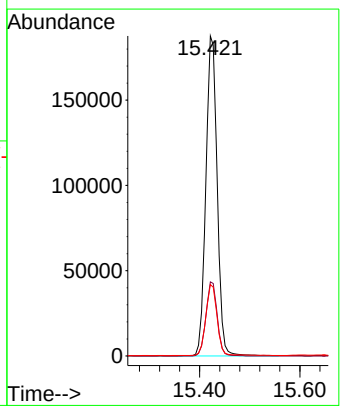


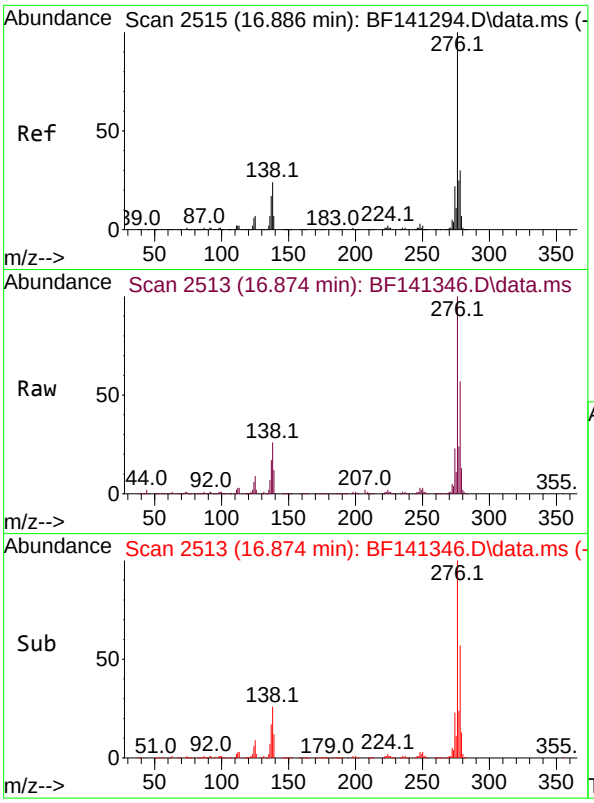


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:264 Resp: 294341

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	22.3	16.7	25.1

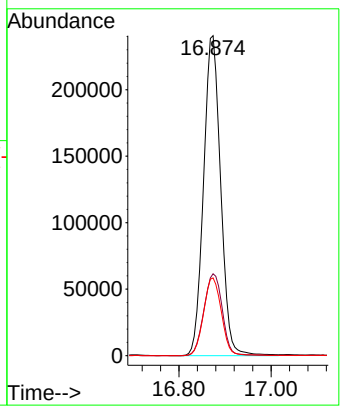




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.762 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:276 Resp: 62238

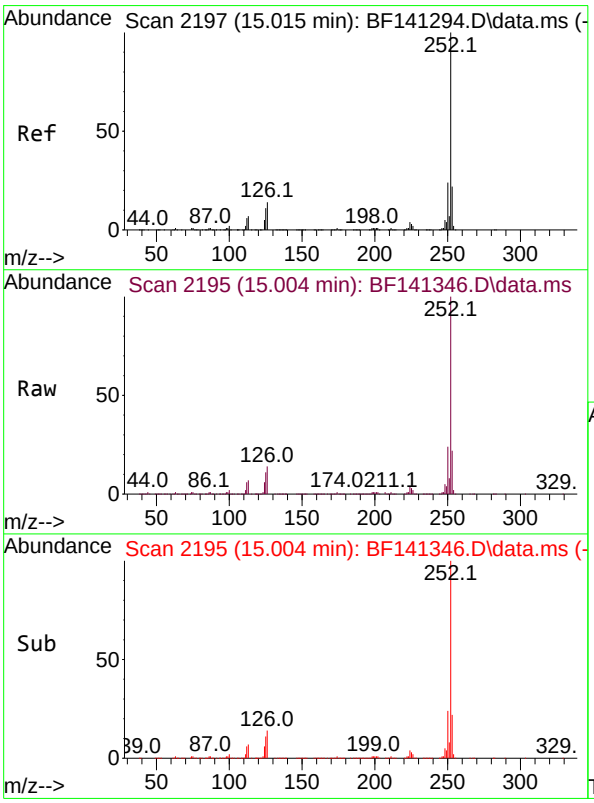
Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.7	32.5
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
APPROVED

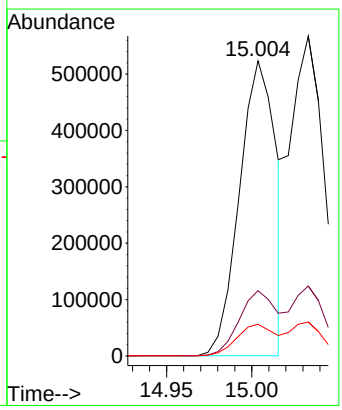
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

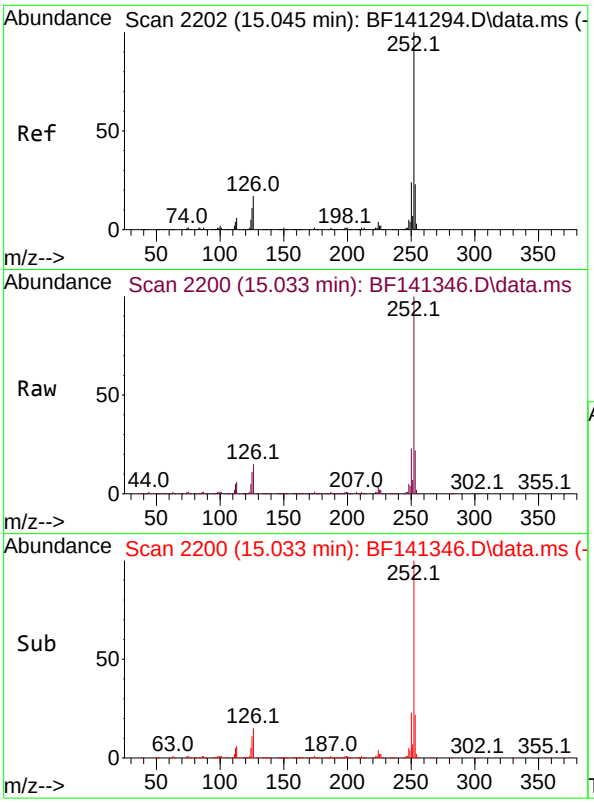


#88
Benzo(b)fluoranthene
Concen: 41.877 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:252 Resp: 775353

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.8	8.6	12.8

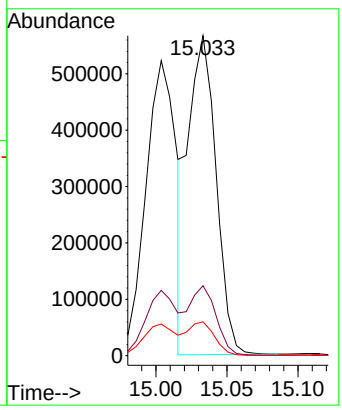




#89
Benzo(k)fluoranthene
Concen: 47.082 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:252 Resp: 77223

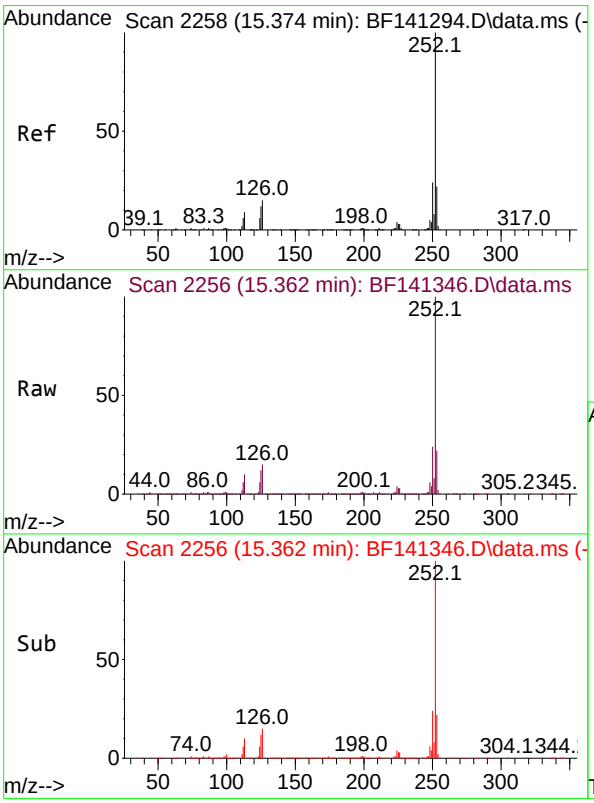
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
APPROVED

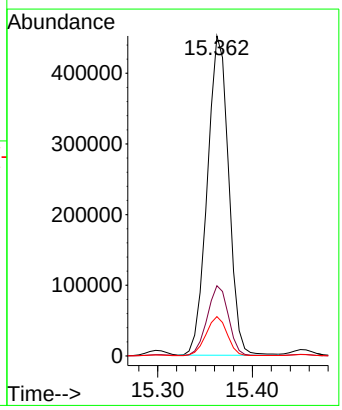
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

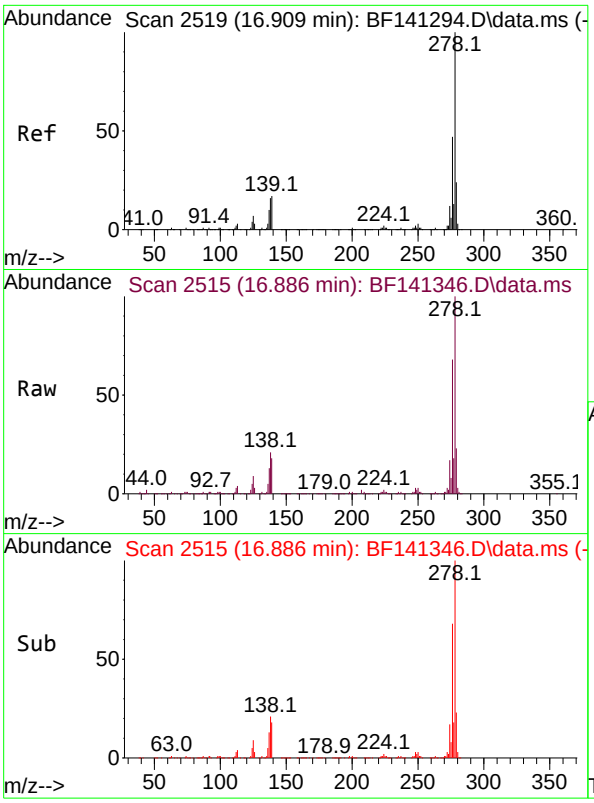


#90
Benzo(a)pyrene
Concen: 45.164 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:252 Resp: 706630

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	12.3	9.4	14.2

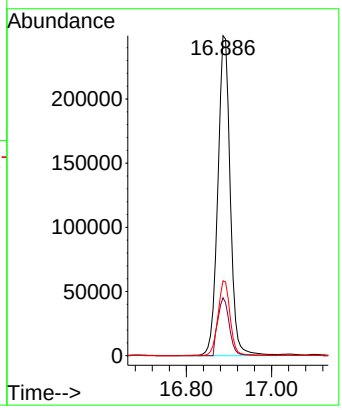




#91
Dibenzo(a,h)anthracene
Concen: 32.989 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:278 Resp: 50420

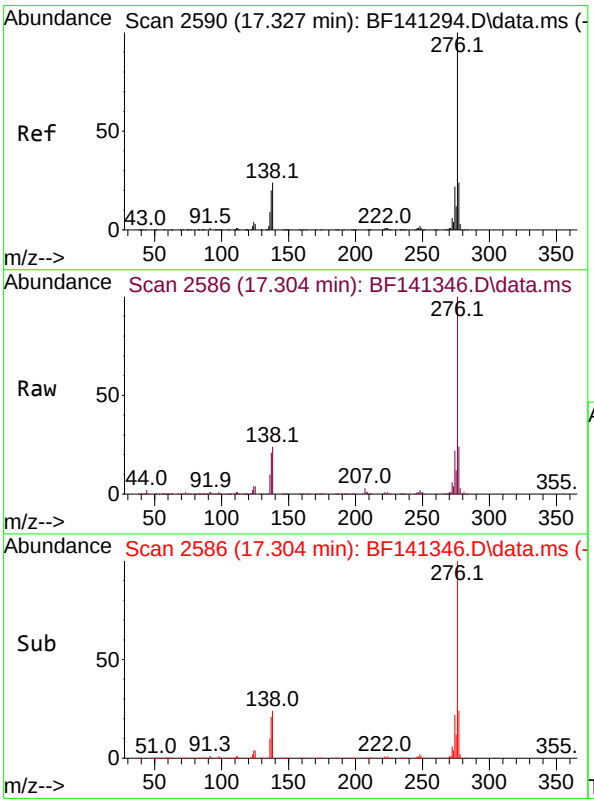
Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.9	20.9
279	23.4	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
357MSD

Manual Integrations
APPROVED

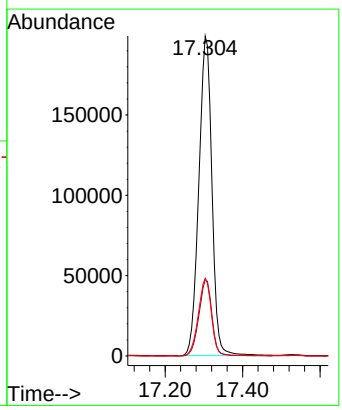
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 29.328 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:276 Resp: 466099

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	24.3	19.0	28.4



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Manual Integration Report

Sequence:	BF012925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF013125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141319.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:12 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	Benzoic acid	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MS	BF141345.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:10 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MS	BF141345.D	Caprolactam	Jagrut	2/3/2025 3:35:10 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MSD	BF141346.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:17 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MSD	BF141346.D	Acenaphthene	Jagrut	2/3/2025 3:35:17 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MSD	BF141346.D	Caprolactam	Jagrut	2/3/2025 3:35:17 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141398.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141398.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
Q1241-07	BF141433.D	Benzo(b)fluoranthene	yogesh	2/5/2025 9:09:39 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
Q1241-07	BF141433.D	Benzo(k)fluoranthene	yogesh	2/5/2025 9:09:39 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
Q1241-07	BF141433.D	Indeno(1,2,3-cd)pyrene	yogesh	2/5/2025 9:09:39 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141435.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141435.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166418BS	BF141441.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:03 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166418BS	BF141441.D	Acenaphthene	yogesh	2/6/2025 7:44:03 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166418BS	BF141441.D	Caprolactam	yogesh	2/6/2025 7:44:03 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141474.D	Acenaphthene	Jagrut	2/7/2025 3:49:22 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software
SSTDICC020	BF141475.D	Acenaphthene	Jagrut	2/7/2025 3:49:24 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141506.D	Acenaphthene	anahy	2/10/2025 12:38:30 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-03	BF141518.D	Benzo(b)fluoranthene	Rahul	2/10/2025 12:50:24 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-03	BF141518.D	Benzo(k)fluoranthene	Rahul	2/10/2025 12:50:24 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-11	BF141521.D	Benzo(b)fluoranthene	Rahul	2/10/2025 12:52:21 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-11	BF141521.D	Benzo(k)fluoranthene	Rahul	2/10/2025 12:52:21 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-11	BF141521.D	Bis(2-ethylhexyl)phthalate	Rahul	2/10/2025 12:52:21 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-19	BF141524.D	Benzo(b)fluoranthene	anahy	2/10/2025 12:53:35 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-19	BF141524.D	Benzo(k)fluoranthene	anahy	2/10/2025 12:53:35 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-15	BF141525.D	Benzo(b)fluoranthene	anahy	2/10/2025 12:52:10 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1241-15	BF141525.D	Benzo(k)fluoranthene	anahy	2/10/2025 12:52:10 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF021025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1241-03DL	BF141546.D	Benzo(b)fluoranthene	anahy	2/11/2025 12:19:52 PM	Jagrut	2/11/2025 6:20:33 PM	Peak Integrated by Software
Q1241-03DL	BF141546.D	Benzo(k)fluoranthene	anahy	2/11/2025 12:19:52 PM	Jagrut	2/11/2025 6:20:33 PM	Peak Integrated by Software
Q1241-15DL	BF141549.D	Benzo(b)fluoranthene	anahy	2/11/2025 12:26:47 PM	Jagrut	2/11/2025 6:20:40 PM	Peak Integrated by Software
Q1241-15DL	BF141549.D	Benzo(k)fluoranthene	anahy	2/11/2025 12:26:47 PM	Jagrut	2/11/2025 6:20:40 PM	Peak Integrated by Software
Q1241-15DL	BF141549.D	Dibenzo(a,h)anthracene	anahy	2/11/2025 12:26:47 PM	Jagrut	2/11/2025 6:20:40 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM				
SubDirectory	BF012925	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM				
SubDirectory	BF013125	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141318.D	31 Jan 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BF141319.D	31 Jan 2025 09:22	RC/JU	Ok,M
3	PB166258BL	BF141320.D	31 Jan 2025 09:49	RC/JU	Ok
4	Q1168-03	BF141321.D	31 Jan 2025 10:15	RC/JU	Ok,M
5	Q1168-03	BF141322.D	31 Jan 2025 10:42	RC/JU	Ok,M
6	Q1168-09	BF141323.D	31 Jan 2025 11:08	RC/JU	Ok,M
7	Q1168-09	BF141324.D	31 Jan 2025 11:35	RC/JU	Ok,M
8	PB166363BL	BF141325.D	31 Jan 2025 12:01	RC/JU	Ok
9	PB166363BS	BF141326.D	31 Jan 2025 12:28	RC/JU	Ok,M
10	PB166363BSD	BF141327.D	31 Jan 2025 12:54	RC/JU	Ok,M
11	Q1211-01	BF141328.D	31 Jan 2025 13:27	RC/JU	Ok
12	Q1211-02	BF141329.D	31 Jan 2025 13:53	RC/JU	Ok
13	Q1209-04	BF141330.D	31 Jan 2025 14:20	RC/JU	Ok
14	Q1209-08	BF141331.D	31 Jan 2025 14:46	RC/JU	Ok
15	Q1205-02	BF141332.D	31 Jan 2025 15:13	RC/JU	Ok
16	Q1205-01	BF141333.D	31 Jan 2025 15:39	RC/JU	Ok,M
17	SSTDCCC040	BF141334.D	31 Jan 2025 16:26	RC/JU	Ok,M
18	DFTPP	BF141335.D	31 Jan 2025 16:53	RC/JU	Ok
19	SSTDCCC040	BF141336.D	31 Jan 2025 17:19	RC/JU	Ok
20	PB166354BL	BF141337.D	31 Jan 2025 17:46	RC/JU	Ok
21	Q1218-02	BF141338.D	31 Jan 2025 18:18	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1218-02MS	BF141339.D	31 Jan 2025 18:44	RC/JU	Ok,M
23	Q1218-02MSD	BF141340.D	31 Jan 2025 19:11	RC/JU	Ok,M
24	Q1219-02	BF141341.D	31 Jan 2025 19:37	RC/JU	Ok,M
25	Q1221-02	BF141342.D	31 Jan 2025 20:04	RC/JU	Ok
26	Q1221-01	BF141343.D	31 Jan 2025 20:30	RC/JU	Ok
27	Q1239-10	BF141344.D	31 Jan 2025 20:56	RC/JU	Ok
28	Q1239-10MS	BF141345.D	31 Jan 2025 21:23	RC/JU	Ok,M
29	Q1239-10MSD	BF141346.D	31 Jan 2025 21:50	RC/JU	Ok,M
30	Q1205-02MS	BF141347.D	31 Jan 2025 22:16	RC/JU	Ok,M
31	Q1205-02MSD	BF141348.D	31 Jan 2025 22:43	RC/JU	Ok,M
32	Q1194-01	BF141349.D	31 Jan 2025 23:10	RC/JU	Ok
33	Q1194-02	BF141350.D	31 Jan 2025 23:37	RC/JU	Ok
34	Q1194-04	BF141351.D	01 Feb 2025 00:03	RC/JU	Ok
35	Q1194-04MS	BF141352.D	01 Feb 2025 00:30	RC/JU	Ok,M
36	Q1194-04MSD	BF141353.D	01 Feb 2025 00:57	RC/JU	Ok,M
37	Q1239-07	BF141354.D	01 Feb 2025 01:24	RC/JU	Ok,M
38	Q1239-04	BF141355.D	01 Feb 2025 01:51	RC/JU	Ok,M
39	Q1243-01	BF141356.D	01 Feb 2025 02:17	RC/JU	Ok
40	Q1220-01	BF141357.D	01 Feb 2025 02:44	RC/JU	Ok,M
41	Q1244-01	BF141358.D	01 Feb 2025 03:11	RC/JU	Ok,M
42	Q1239-01	BF141359.D	01 Feb 2025 03:37	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM				
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM				
SubDirectory	BF020425	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141397.D	04 Feb 2025 10:16	RC/JU	Ok
2	SSTDCCC040	BF141398.D	04 Feb 2025 10:42	RC/JU	Ok,M
3	PB166483BL	BF141399.D	04 Feb 2025 11:08	RC/JU	Ok
4	PB166483BS	BF141400.D	04 Feb 2025 11:35	RC/JU	Ok,M
5	PB166423TB	BF141401.D	04 Feb 2025 12:02	RC/JU	Ok
6	PB166465BS	BF141402.D	04 Feb 2025 12:28	RC/JU	Ok,M
7	PB166465BL	BF141403.D	04 Feb 2025 12:54	RC/JU	Ok
8	PB166360BL	BF141404.D	04 Feb 2025 13:21	RC/JU	Ok
9	PB166360BS	BF141405.D	04 Feb 2025 13:47	RC/JU	Ok,M
10	PB166356TB	BF141406.D	04 Feb 2025 14:13	RC/JU	Ok
11	PB166426BS	BF141407.D	04 Feb 2025 14:39	RC/JU	Ok,M
12	PB166294BL	BF141408.D	04 Feb 2025 15:06	RC/JU	Ok
13	DFTPP	BF141409.D	04 Feb 2025 15:32	RC/JU	Ok
14	SSTDCCC040	BF141410.D	04 Feb 2025 15:58	RC/JU	Ok,M
15	PB166525BL	BF141411.D	04 Feb 2025 16:24	RC/JU	Ok
16	Q1262-03	BF141412.D	04 Feb 2025 16:56	RC/JU	Ok
17	Q1239-02MS	BF141413.D	04 Feb 2025 17:22	RC/JU	Ok,M
18	Q1239-02MSD	BF141414.D	04 Feb 2025 17:49	RC/JU	Ok,M
19	Q1241-08	BF141415.D	04 Feb 2025 18:15	RC/JU	Ok
20	Q1241-12	BF141416.D	04 Feb 2025 18:41	RC/JU	Ok,M
21	Q1241-16	BF141417.D	04 Feb 2025 19:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1241-20	BF141418.D	04 Feb 2025 19:34	RC/JU	Ok
23	Q1242-04	BF141419.D	04 Feb 2025 20:00	RC/JU	Ok
24	Q1241-04	BF141420.D	04 Feb 2025 20:26	RC/JU	Ok
25	Q1216-08	BF141421.D	04 Feb 2025 20:52	RC/JU	Ok
26	Q1206-04	BF141422.D	04 Feb 2025 21:19	RC/JU	Ok
27	Q1206-08	BF141423.D	04 Feb 2025 21:45	RC/JU	Ok
28	Q1194-03	BF141424.D	04 Feb 2025 22:11	RC/JU	Ok,M
29	Q1262-01DL	BF141425.D	04 Feb 2025 22:38	RC/JU	Ok,M
30	Q1232-03DL	BF141426.D	04 Feb 2025 23:04	RC/JU	Ok,M
31	Q1280-01	BF141427.D	04 Feb 2025 23:30	RC/JU	Ok,M
32	Q1280-01MS	BF141428.D	04 Feb 2025 23:56	RC/JU	Ok,M
33	Q1280-01MSD	BF141429.D	05 Feb 2025 00:22	RC/JU	Ok,M
34	Q1276-01	BF141430.D	05 Feb 2025 00:48	RC/JU	Ok,M
35	Q1277-02	BF141431.D	05 Feb 2025 01:15	RC/JU	Ok
36	Q1281-01	BF141432.D	05 Feb 2025 01:41	RC/JU	Ok,M
37	Q1241-07	BF141433.D	05 Feb 2025 02:07	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM				
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM				
SubDirectory	BF020525	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141434.D	05 Feb 2025 09:36	RC/JU	Ok
2	SSTDCCC040	BF141435.D	05 Feb 2025 10:02	RC/JU	Ok,M
3	PB166264BL	BF141436.D	05 Feb 2025 10:28	RC/JU	Ok
4	PB166264BS	BF141437.D	05 Feb 2025 10:55	RC/JU	Ok,M
5	PB166211TB	BF141438.D	05 Feb 2025 11:21	RC/JU	Ok
6	PB166294BS	BF141439.D	05 Feb 2025 11:47	RC/JU	Ok,M
7	PB166418BL	BF141440.D	05 Feb 2025 12:13	RC/JU	Ok
8	PB166418BS	BF141441.D	05 Feb 2025 12:39	RC/JU	Ok,M
9	PB166339BS	BF141442.D	05 Feb 2025 13:05	RC/JU	Ok,M
10	PB166339BSD	BF141443.D	05 Feb 2025 13:31	RC/JU	Ok,M
11	PB166525BS	BF141444.D	05 Feb 2025 13:58	RC/JU	Ok,M
12	PB166354BS	BF141445.D	05 Feb 2025 14:24	RC/JU	Ok,M
13	DFTPP	BF141446.D	05 Feb 2025 14:50	RC/JU	Ok
14	SSTDCCC040	BF141447.D	05 Feb 2025 15:16	RC/JU	Ok,M
15	PB166318TB	BF141448.D	05 Feb 2025 15:43	RC/JU	Ok
16	Q1215-04	BF141449.D	05 Feb 2025 16:16	RC/JU	Ok
17	Q1215-08	BF141450.D	05 Feb 2025 16:42	RC/JU	Ok
18	Q1282-01	BF141451.D	05 Feb 2025 17:08	RC/JU	Ok
19	Q1207-04	BF141452.D	05 Feb 2025 17:35	RC/JU	Ok
20	Q1207-08	BF141453.D	05 Feb 2025 18:01	RC/JU	Ok
21	Q1207-20	BF141454.D	05 Feb 2025 18:27	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM				
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM				
SubDirectory	BF020525	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1207-12	BF141455.D	05 Feb 2025 18:54	RC/JU	Ok
23	Q1207-16	BF141456.D	05 Feb 2025 19:20	RC/JU	Ok
24	Q1280-02	BF141457.D	05 Feb 2025 19:46	RC/JU	Ok
25	Q1280-02MS	BF141458.D	05 Feb 2025 20:12	RC/JU	Ok,M
26	Q1280-02MSD	BF141459.D	05 Feb 2025 20:38	RC/JU	Ok,M
27	Q1207-19	BF141460.D	05 Feb 2025 21:05	RC/JU	Ok,M
28	Q1206-03	BF141461.D	05 Feb 2025 21:31	RC/JU	Dilution
29	Q1207-03	BF141462.D	05 Feb 2025 21:57	RC/JU	Ok,M
30	Q1207-11	BF141463.D	05 Feb 2025 22:23	RC/JU	Ok,M
31	Q1207-07	BF141464.D	05 Feb 2025 22:49	RC/JU	Ok,M
32	Q1207-15	BF141465.D	05 Feb 2025 23:15	RC/JU	Ok,M
33	Q1206-07	BF141466.D	05 Feb 2025 23:41	RC/JU	Ok,M
34	Q1284-01	BF141467.D	06 Feb 2025 00:07	RC/JU	Ok
35	Q1286-01	BF141468.D	06 Feb 2025 00:33	RC/JU	Ok
36	Q1288-04	BF141469.D	06 Feb 2025 00:59	RC/JU	Ok,M
37	Q1285-01	BF141470.D	06 Feb 2025 01:26	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM				
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM				
SubDirectory	BF020625	HP Acquire Method	BNA_F			HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141471.D	06 Feb 2025 10:41	RC/JU	Ok
2	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07	RC/JU	Ok
3	SSTDICC005	BF141473.D	06 Feb 2025 11:34	RC/JU	Ok
4	SSTDICC010	BF141474.D	06 Feb 2025 12:00	RC/JU	Ok,M
5	SSTDICC020	BF141475.D	06 Feb 2025 12:26	RC/JU	Ok,M
6	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	RC/JU	Ok
7	SSTDICC050	BF141477.D	06 Feb 2025 13:21	RC/JU	Ok
8	SSTDICC060	BF141478.D	06 Feb 2025 13:47	RC/JU	Ok
9	SSTDICC080	BF141479.D	06 Feb 2025 14:14	RC/JU	Ok
10	SSTDICV040	BF141480.D	06 Feb 2025 15:03	RC/JU	Ok
11	PB166563BL	BF141481.D	06 Feb 2025 15:43	RC/JU	Ok
12	PB166468BS	BF141482.D	06 Feb 2025 16:09	RC/JU	Ok,M
13	PB166468BSD	BF141483.D	06 Feb 2025 16:36	RC/JU	Ok,M
14	PB166468BL	BF141484.D	06 Feb 2025 17:02	RC/JU	Ok
15	Q1214-01RE	BF141485.D	06 Feb 2025 17:34	RC/JU	Confirms
16	Q1309-01	BF141486.D	06 Feb 2025 18:00	RC/JU	Ok
17	Q1309-05	BF141487.D	06 Feb 2025 18:27	RC/JU	Ok
18	Q1309-09	BF141488.D	06 Feb 2025 18:53	RC/JU	Ok
19	Q1309-13	BF141489.D	06 Feb 2025 19:19	RC/JU	Ok
20	Q1309-13MS	BF141490.D	06 Feb 2025 19:45	RC/JU	Ok,M
21	Q1309-13MSD	BF141491.D	06 Feb 2025 20:11	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM				
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM				
SubDirectory	BF020625	HP Acquire Method	BNA_F			HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1309-17	BF141492.D	06 Feb 2025 20:37	RC/JU	Ok
23	Q1309-21	BF141493.D	06 Feb 2025 21:03	RC/JU	Ok
24	Q1216-04	BF141494.D	06 Feb 2025 21:30	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM				
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM				
SubDirectory	BF020725	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141495.D	07 Feb 2025 09:28	RC/JU	Ok
2	SSTDCCC040	BF141496.D	07 Feb 2025 09:55	RC/JU	Ok
3	PB166588BL	BF141497.D	07 Feb 2025 10:21	RC/JU	Ok
4	PB166588BS	BF141498.D	07 Feb 2025 10:47	RC/JU	Ok,M
5	PB166567BL	BF141499.D	07 Feb 2025 11:13	RC/JU	Ok
6	PB166563BS	BF141500.D	07 Feb 2025 11:40	RC/JU	Ok,M
7	PB166567BS	BF141501.D	07 Feb 2025 12:06	RC/JU	Ok,M
8	PB166567BSD	BF141502.D	07 Feb 2025 12:32	RC/JU	Ok,M
9	PB166580BL	BF141503.D	07 Feb 2025 12:58	RC/JU	Ok
10	PB166580BS	BF141504.D	07 Feb 2025 13:25	RC/JU	Ok,M
11	DFTPP	BF141505.D	07 Feb 2025 14:07	RC/JU	Ok
12	SSTDCCC040	BF141506.D	07 Feb 2025 14:33	RC/JU	Ok,M
13	PB166528TB	BF141507.D	07 Feb 2025 15:00	RC/JU	Ok
14	Q1285-02	BF141508.D	07 Feb 2025 15:31	RC/JU	Ok
15	Q1304-01	BF141509.D	07 Feb 2025 15:58	RC/JU	Ok
16	Q1299-01	BF141510.D	07 Feb 2025 16:24	RC/JU	Ok
17	Q1299-05	BF141511.D	07 Feb 2025 16:50	RC/JU	Ok,M
18	Q1288-01	BF141512.D	07 Feb 2025 17:16	RC/JU	Dilution
19	Q1288-01MS	BF141513.D	07 Feb 2025 17:43	RC/JU	Ok,M
20	Q1288-01MSD	BF141514.D	07 Feb 2025 18:09	RC/JU	Ok,M
21	Q1215-07	BF141515.D	07 Feb 2025 18:35	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM		
SubDirectory	BF020725	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1216-07	BF141516.D	07 Feb 2025 19:02	RC/JU	Ok,M
23	Q1216-03	BF141517.D	07 Feb 2025 19:28	RC/JU	Ok,M
24	Q1241-03	BF141518.D	07 Feb 2025 19:54	RC/JU	Dilution
25	Q1232-15	BF141519.D	07 Feb 2025 20:21	RC/JU	Dilution
26	Q1216-15	BF141520.D	07 Feb 2025 20:47	RC/JU	Dilution
27	Q1241-11	BF141521.D	07 Feb 2025 21:13	RC/JU	Ok,M
28	Q1235-07	BF141522.D	07 Feb 2025 21:40	RC/JU	Ok,M
29	Q1232-07	BF141523.D	07 Feb 2025 22:07	RC/JU	Ok,M
30	Q1241-19	BF141524.D	07 Feb 2025 22:33	RC/JU	Ok,M
31	Q1241-15	BF141525.D	07 Feb 2025 23:00	RC/JU	Dilution
32	Q1242-03	BF141526.D	07 Feb 2025 23:27	RC/JU	Ok,M
33	Q1232-11	BF141527.D	07 Feb 2025 23:53	RC/JU	Ok,M
34	Q1232-19	BF141528.D	08 Feb 2025 00:20	RC/JU	Ok,M
35	Q1235-03	BF141529.D	08 Feb 2025 00:47	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM				
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM				
SubDirectory	BF021025	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141530.D	10 Feb 2025 11:08	RC/JU	Ok
2	SSTDCCC040	BF141531.D	10 Feb 2025 11:34	RC/JU	Ok
3	PB166610BL	BF141532.D	10 Feb 2025 12:00	RC/JU	Ok
4	PB166619BS	BF141533.D	10 Feb 2025 12:26	RC/JU	Ok,M
5	PB166619BSD	BF141534.D	10 Feb 2025 14:50	RC/JU	Ok,M
6	PB166619BL	BF141535.D	10 Feb 2025 15:17	RC/JU	Ok
7	Q1322-01	BF141536.D	10 Feb 2025 15:57	RC/JU	Ok
8	Q1299-04	BF141537.D	10 Feb 2025 16:23	RC/JU	Ok
9	Q1299-04MS	BF141538.D	10 Feb 2025 16:49	RC/JU	Ok,M
10	Q1299-04MSD	BF141539.D	10 Feb 2025 17:16	RC/JU	Ok,M
11	Q1299-08	BF141540.D	10 Feb 2025 17:42	RC/JU	Ok
12	Q1309-04	BF141541.D	10 Feb 2025 18:08	RC/JU	Ok
13	Q1344-01	BF141542.D	10 Feb 2025 18:34	RC/JU	Ok
14	Q1344-03	BF141543.D	10 Feb 2025 19:01	RC/JU	Ok
15	Q1288-01DL	BF141544.D	10 Feb 2025 19:27	RC/JU	Ok,M
16	Q1215-07DL	BF141545.D	10 Feb 2025 19:53	RC/JU	Ok,M
17	Q1241-03DL	BF141546.D	10 Feb 2025 20:19	RC/JU	Ok,M
18	Q1232-15DL	BF141547.D	10 Feb 2025 20:45	RC/JU	Ok,M
19	Q1216-15DL	BF141548.D	10 Feb 2025 21:12	RC/JU	Ok,M
20	Q1241-15DL	BF141549.D	10 Feb 2025 21:38	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141318.D	31 Jan 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141319.D	31 Jan 2025 09:22		RC/JU	Ok,M
3	PB166258BL	PB166258BL	BF141320.D	31 Jan 2025 09:49		RC/JU	Ok
4	Q1168-03	MDL-SOIL-03-QT1-202	BF141321.D	31 Jan 2025 10:15	MDL-SOIL-4PPM	RC/JU	Ok,M
5	Q1168-03	MDL-SOIL-03-QT1-202	BF141322.D	31 Jan 2025 10:42	MDL-SOIL-8PPM	RC/JU	Ok,M
6	Q1168-09	MDL-WATER-03-QT1-2	BF141323.D	31 Jan 2025 11:08	MDL-WATER-4PPM	RC/JU	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	BF141324.D	31 Jan 2025 11:35	MDL-WATER-03-8PPM	RC/JU	Ok,M
8	PB166363BL	PB166363BL	BF141325.D	31 Jan 2025 12:01		RC/JU	Ok
9	PB166363BS	PB166363BS	BF141326.D	31 Jan 2025 12:28		RC/JU	Ok,M
10	PB166363BSD	PB166363BSD	BF141327.D	31 Jan 2025 12:54		RC/JU	Ok,M
11	Q1211-01	TAPHHA-MW01-01282	BF141328.D	31 Jan 2025 13:27		RC/JU	Ok
12	Q1211-02	TAPIAL2-MW03-01282	BF141329.D	31 Jan 2025 13:53		RC/JU	Ok
13	Q1209-04	WC-4	BF141330.D	31 Jan 2025 14:20		RC/JU	Ok
14	Q1209-08	WC-5	BF141331.D	31 Jan 2025 14:46		RC/JU	Ok
15	Q1205-02	VNJ-236	BF141332.D	31 Jan 2025 15:13		RC/JU	Ok
16	Q1205-01	VNJ-236	BF141333.D	31 Jan 2025 15:39		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BF141334.D	31 Jan 2025 16:26		RC/JU	Ok,M
18	DFTPP	DFTPP	BF141335.D	31 Jan 2025 16:53		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BF141336.D	31 Jan 2025 17:19		RC/JU	Ok
20	PB166354BL	PB166354BL	BF141337.D	31 Jan 2025 17:46		RC/JU	Ok
21	Q1218-02	BELL-25-002	BF141338.D	31 Jan 2025 18:18		RC/JU	Ok,M
22	Q1218-02MS	BELL-25-002MS	BF141339.D	31 Jan 2025 18:44		RC/JU	Ok,M
23	Q1218-02MSD	BELL-25-002MSD	BF141340.D	31 Jan 2025 19:11		RC/JU	Ok,M
24	Q1219-02	LAW-25-0015	BF141341.D	31 Jan 2025 19:37		RC/JU	Ok,M
25	Q1221-02	CHESTNUT-CONCRE	BF141342.D	31 Jan 2025 20:04		RC/JU	Ok
26	Q1221-01	CHESTNUT-CONCRE	BF141343.D	31 Jan 2025 20:30		RC/JU	Ok
27	Q1239-10	357	BF141344.D	31 Jan 2025 20:56		RC/JU	Ok
28	Q1239-10MS	357MS	BF141345.D	31 Jan 2025 21:23		RC/JU	Ok,M
29	Q1239-10MSD	357MSD	BF141346.D	31 Jan 2025 21:50		RC/JU	Ok,M
30	Q1205-02MS	VNJ-236MS	BF141347.D	31 Jan 2025 22:16		RC/JU	Ok,M
31	Q1205-02MSD	VNJ-236MSD	BF141348.D	31 Jan 2025 22:43		RC/JU	Ok,M
32	Q1194-01	B-110-SB01	BF141349.D	31 Jan 2025 23:10		RC/JU	Ok
33	Q1194-02	B-110-SB02	BF141350.D	31 Jan 2025 23:37		RC/JU	Ok
34	Q1194-04	B-113-SB02	BF141351.D	01 Feb 2025 00:03		RC/JU	Ok
35	Q1194-04MS	B-113-SB02MS	BF141352.D	01 Feb 2025 00:30		RC/JU	Ok,M
36	Q1194-04MSD	B-113-SB02MSD	BF141353.D	01 Feb 2025 00:57		RC/JU	Ok,M
37	Q1239-07	RBR22266	BF141354.D	01 Feb 2025 01:24		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1239-04	348	BF141355.D	01 Feb 2025 01:51		RC/JU	Ok,M
39	Q1243-01	CL-01-01302025	BF141356.D	01 Feb 2025 02:17		RC/JU	Ok
40	Q1220-01	TR-06-01292025	BF141357.D	01 Feb 2025 02:44		RC/JU	Ok,M
41	Q1244-01	EO-02-01302025	BF141358.D	01 Feb 2025 03:11	Internal Standard Fail	RC/JU	Ok,M
42	Q1239-01	286	BF141359.D	01 Feb 2025 03:37		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141397.D	04 Feb 2025 10:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141398.D	04 Feb 2025 10:42		RC/JU	Ok,M
3	PB166483BL	PB166483BL	BF141399.D	04 Feb 2025 11:08		RC/JU	Ok
4	PB166483BS	PB166483BS	BF141400.D	04 Feb 2025 11:35		RC/JU	Ok,M
5	PB166423TB	PB166423TB	BF141401.D	04 Feb 2025 12:02		RC/JU	Ok
6	PB166465BS	PB166465BS	BF141402.D	04 Feb 2025 12:28		RC/JU	Ok,M
7	PB166465BL	PB166465BL	BF141403.D	04 Feb 2025 12:54		RC/JU	Ok
8	PB166360BL	PB166360BL	BF141404.D	04 Feb 2025 13:21		RC/JU	Ok
9	PB166360BS	PB166360BS	BF141405.D	04 Feb 2025 13:47		RC/JU	Ok,M
10	PB166356TB	PB166356TB	BF141406.D	04 Feb 2025 14:13		RC/JU	Ok
11	PB166426BS	PB166426BS	BF141407.D	04 Feb 2025 14:39		RC/JU	Ok,M
12	PB166294BL	PB166294BL	BF141408.D	04 Feb 2025 15:06		RC/JU	Ok
13	DFTPP	DFTPP	BF141409.D	04 Feb 2025 15:32		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141410.D	04 Feb 2025 15:58		RC/JU	Ok,M
15	PB166525BL	PB166525BL	BF141411.D	04 Feb 2025 16:24		RC/JU	Ok
16	Q1262-03	CONCRETE-PAD	BF141412.D	04 Feb 2025 16:56		RC/JU	Ok
17	Q1239-02MS	286MS	BF141413.D	04 Feb 2025 17:22		RC/JU	Ok,M
18	Q1239-02MSD	286MSD	BF141414.D	04 Feb 2025 17:49		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1241-08	JPP-5.3-013025	BF141415.D	04 Feb 2025 18:15		RC/JU	Ok
20	Q1241-12	JPP-5.2-013025	BF141416.D	04 Feb 2025 18:41		RC/JU	Ok,M
21	Q1241-16	JPP-5.4-013025	BF141417.D	04 Feb 2025 19:07		RC/JU	Ok
22	Q1241-20	JPP-51.4-013025	BF141418.D	04 Feb 2025 19:34		RC/JU	Ok
23	Q1242-04	JPP-6.2-013025	BF141419.D	04 Feb 2025 20:00		RC/JU	Ok
24	Q1241-04	JPP-3.5-013025	BF141420.D	04 Feb 2025 20:26		RC/JU	Ok
25	Q1216-08	JPP-21.1-012825	BF141421.D	04 Feb 2025 20:52		RC/JU	Ok
26	Q1206-04	JPP-20.1-012725	BF141422.D	04 Feb 2025 21:19		RC/JU	Ok
27	Q1206-08	JPP-16.3-012725	BF141423.D	04 Feb 2025 21:45		RC/JU	Ok
28	Q1194-03	B-113-SB01	BF141424.D	04 Feb 2025 22:11		RC/JU	Ok,M
29	Q1262-01DL	ETGI-371DL	BF141425.D	04 Feb 2025 22:38		RC/JU	Ok,M
30	Q1232-03DL	JPP-46.2-012925DL	BF141426.D	04 Feb 2025 23:04		RC/JU	Ok,M
31	Q1280-01	72-11984	BF141427.D	04 Feb 2025 23:30		RC/JU	Ok,M
32	Q1280-01MS	72-11984MS	BF141428.D	04 Feb 2025 23:56		RC/JU	Ok,M
33	Q1280-01MSD	72-11984MSD	BF141429.D	05 Feb 2025 00:22		RC/JU	Ok,M
34	Q1276-01	TR-05-020325	BF141430.D	05 Feb 2025 00:48		RC/JU	Ok,M
35	Q1277-02	RT 3249	BF141431.D	05 Feb 2025 01:15		RC/JU	Ok
36	Q1281-01	OR-02--2-03-2025	BF141432.D	05 Feb 2025 01:41		RC/JU	Ok,M
37	Q1241-07	JPP-5.3-013025	BF141433.D	05 Feb 2025 02:07		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141434.D	05 Feb 2025 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141435.D	05 Feb 2025 10:02		RC/JU	Ok,M
3	PB166264BL	PB166264BL	BF141436.D	05 Feb 2025 10:28		RC/JU	Ok
4	PB166264BS	PB166264BS	BF141437.D	05 Feb 2025 10:55		RC/JU	Ok,M
5	PB166211TB	PB166211TB	BF141438.D	05 Feb 2025 11:21		RC/JU	Ok
6	PB166294BS	PB166294BS	BF141439.D	05 Feb 2025 11:47		RC/JU	Ok,M
7	PB166418BL	PB166418BL	BF141440.D	05 Feb 2025 12:13		RC/JU	Ok
8	PB166418BS	PB166418BS	BF141441.D	05 Feb 2025 12:39		RC/JU	Ok,M
9	PB166339BS	PB166339BS	BF141442.D	05 Feb 2025 13:05		RC/JU	Ok,M
10	PB166339BSD	PB166339BSD	BF141443.D	05 Feb 2025 13:31		RC/JU	Ok,M
11	PB166525BS	PB166525BS	BF141444.D	05 Feb 2025 13:58		RC/JU	Ok,M
12	PB166354BS	PB166354BS	BF141445.D	05 Feb 2025 14:24		RC/JU	Ok,M
13	DFTPP	DFTPP	BF141446.D	05 Feb 2025 14:50		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141447.D	05 Feb 2025 15:16		RC/JU	Ok,M
15	PB166318TB	PB166318TB	BF141448.D	05 Feb 2025 15:43		RC/JU	Ok
16	Q1215-04	JPP-29.1-012825	BF141449.D	05 Feb 2025 16:16		RC/JU	Ok
17	Q1215-08	JPP-29.2-012825	BF141450.D	05 Feb 2025 16:42		RC/JU	Ok
18	Q1282-01	SW-WTS-02	BF141451.D	05 Feb 2025 17:08		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1207-04	JPP-2.1-012725	BF141452.D	05 Feb 2025 17:35		RC/JU	Ok
20	Q1207-08	JPP-5.1-012725	BF141453.D	05 Feb 2025 18:01		RC/JU	Ok
21	Q1207-20	JPP-20.2-012725	BF141454.D	05 Feb 2025 18:27		RC/JU	Ok
22	Q1207-12	JPP-4.5-012725	BF141455.D	05 Feb 2025 18:54		RC/JU	Ok
23	Q1207-16	JPP-16.2-012725	BF141456.D	05 Feb 2025 19:20		RC/JU	Ok
24	Q1280-02	72-11984	BF141457.D	05 Feb 2025 19:46		RC/JU	Ok
25	Q1280-02MS	72-11984MS	BF141458.D	05 Feb 2025 20:12		RC/JU	Ok,M
26	Q1280-02MSD	72-11984MSD	BF141459.D	05 Feb 2025 20:38		RC/JU	Ok,M
27	Q1207-19	JPP-20.2-012725	BF141460.D	05 Feb 2025 21:05		RC/JU	Ok,M
28	Q1206-03	JPP-20.1-012725	BF141461.D	05 Feb 2025 21:31	Need 2X Dilution	RC/JU	Dilution
29	Q1207-03	JPP-2.1-012725	BF141462.D	05 Feb 2025 21:57		RC/JU	Ok,M
30	Q1207-11	JPP-4.5-012725	BF141463.D	05 Feb 2025 22:23		RC/JU	Ok,M
31	Q1207-07	JPP-5.1-012725	BF141464.D	05 Feb 2025 22:49		RC/JU	Ok,M
32	Q1207-15	JPP-16.2-012725	BF141465.D	05 Feb 2025 23:15		RC/JU	Ok,M
33	Q1206-07	JPP-16.3-012725	BF141466.D	05 Feb 2025 23:41		RC/JU	Ok,M
34	Q1284-01	SU-03-2-4-2025	BF141467.D	06 Feb 2025 00:07		RC/JU	Ok
35	Q1286-01	NB-07-020425	BF141468.D	06 Feb 2025 00:33	Internal Standard Fail	RC/JU	Ok
36	Q1288-04	HR-04-020425	BF141469.D	06 Feb 2025 00:59		RC/JU	Ok,M
37	Q1285-01	72-11977	BF141470.D	06 Feb 2025 01:26	Need Further 10X Dilution.	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM				
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM				
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625		

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141471.D	06 Feb 2025 10:41		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141473.D	06 Feb 2025 11:34	Compound #32,41,54 and #65 removed from 5PPM	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141474.D	06 Feb 2025 12:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141475.D	06 Feb 2025 12:26		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141477.D	06 Feb 2025 13:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141478.D	06 Feb 2025 13:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141479.D	06 Feb 2025 14:14	Compound #9 removed from 80ppm	RC/JU	Ok
10	SSTDICV040	ICVBF020625	BF141480.D	06 Feb 2025 15:03		RC/JU	Ok
11	PB166563BL	PB166563BL	BF141481.D	06 Feb 2025 15:43		RC/JU	Ok
12	PB166468BS	PB166468BS	BF141482.D	06 Feb 2025 16:09		RC/JU	Ok,M
13	PB166468BSD	PB166468BSD	BF141483.D	06 Feb 2025 16:36		RC/JU	Ok,M
14	PB166468BL	PB166468BL	BF141484.D	06 Feb 2025 17:02		RC/JU	Ok
15	Q1214-01RE	PARAMUS-CONDENS/	BF141485.D	06 Feb 2025 17:34	Surrogate Fail	RC/JU	Confirms
16	Q1309-01	WC-2	BF141486.D	06 Feb 2025 18:00		RC/JU	Ok
17	Q1309-05	WC-3	BF141487.D	06 Feb 2025 18:27		RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1309-09	WC-4	BF141488.D	06 Feb 2025 18:53		RC/JU	Ok
19	Q1309-13	WC-5	BF141489.D	06 Feb 2025 19:19		RC/JU	Ok
20	Q1309-13MS	WC-5MS	BF141490.D	06 Feb 2025 19:45		RC/JU	Ok,M
21	Q1309-13MSD	WC-5MSD	BF141491.D	06 Feb 2025 20:11		RC/JU	Ok,M
22	Q1309-17	WC-6	BF141492.D	06 Feb 2025 20:37		RC/JU	Ok
23	Q1309-21	WC-8	BF141493.D	06 Feb 2025 21:03		RC/JU	Ok
24	Q1216-04	JPP-18.1-012825	BF141494.D	06 Feb 2025 21:30		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM		
SubDirectory	BF020725	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141495.D	07 Feb 2025 09:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141496.D	07 Feb 2025 09:55		RC/JU	Ok
3	PB166588BL	PB166588BL	BF141497.D	07 Feb 2025 10:21		RC/JU	Ok
4	PB166588BS	PB166588BS	BF141498.D	07 Feb 2025 10:47		RC/JU	Ok,M
5	PB166567BL	PB166567BL	BF141499.D	07 Feb 2025 11:13		RC/JU	Ok
6	PB166563BS	PB166563BS	BF141500.D	07 Feb 2025 11:40		RC/JU	Ok,M
7	PB166567BS	PB166567BS	BF141501.D	07 Feb 2025 12:06		RC/JU	Ok,M
8	PB166567BSD	PB166567BSD	BF141502.D	07 Feb 2025 12:32		RC/JU	Ok,M
9	PB166580BL	PB166580BL	BF141503.D	07 Feb 2025 12:58		RC/JU	Ok
10	PB166580BS	PB166580BS	BF141504.D	07 Feb 2025 13:25		RC/JU	Ok,M
11	DFTPP	DFTPP	BF141505.D	07 Feb 2025 14:07		RC/JU	Ok
12	SSTDCCC040	SSTDCCC040	BF141506.D	07 Feb 2025 14:33		RC/JU	Ok,M
13	PB166528TB	PB166528TB	BF141507.D	07 Feb 2025 15:00		RC/JU	Ok
14	Q1285-02	72-11977	BF141508.D	07 Feb 2025 15:31		RC/JU	Ok
15	Q1304-01	RB21140	BF141509.D	07 Feb 2025 15:58	Internal Standard Fail	RC/JU	Ok
16	Q1299-01	WC-1	BF141510.D	07 Feb 2025 16:24		RC/JU	Ok
17	Q1299-05	WC-2	BF141511.D	07 Feb 2025 16:50		RC/JU	Ok,M
18	Q1288-01	HR-01-020425	BF141512.D	07 Feb 2025 17:16	Need 2X Dilution	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM		
SubDirectory	BF020725	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1288-01MS	HR-01-020425MS	BF141513.D	07 Feb 2025 17:43		RC/JU	Ok,M
20	Q1288-01MSD	HR-01-020425MSD	BF141514.D	07 Feb 2025 18:09		RC/JU	Ok,M
21	Q1215-07	JPP-29.2-012825	BF141515.D	07 Feb 2025 18:35	Need 2X Dilution	RC/JU	Dilution
22	Q1216-07	JPP-21.1-012825	BF141516.D	07 Feb 2025 19:02		RC/JU	Ok,M
23	Q1216-03	JPP-18.1-012825	BF141517.D	07 Feb 2025 19:28		RC/JU	Ok,M
24	Q1241-03	JPP-3.5-013025	BF141518.D	07 Feb 2025 19:54	Need 5X Dilution	RC/JU	Dilution
25	Q1232-15	JPP-42.2-012925	BF141519.D	07 Feb 2025 20:21	Need 5X Dilution	RC/JU	Dilution
26	Q1216-15	JPP-26.1-012825	BF141520.D	07 Feb 2025 20:47	Internal Standard Fail, Need 5X Dilution	RC/JU	Dilution
27	Q1241-11	JPP-5.2-013025	BF141521.D	07 Feb 2025 21:13	Surrogate Fail	RC/JU	Ok,M
28	Q1235-07	JPP-16.1-012925	BF141522.D	07 Feb 2025 21:40		RC/JU	Ok,M
29	Q1232-07	JPP-46.1-012925	BF141523.D	07 Feb 2025 22:07		RC/JU	Ok,M
30	Q1241-19	JPP-51.4-013025	BF141524.D	07 Feb 2025 22:33		RC/JU	Ok,M
31	Q1241-15	JPP-5.4-013025	BF141525.D	07 Feb 2025 23:00	Need further 5X Dilution	RC/JU	Dilution
32	Q1242-03	JPP-6.2-013025	BF141526.D	07 Feb 2025 23:27	Surrogate Fail	RC/JU	Ok,M
33	Q1232-11	JPP-42.1-012925	BF141527.D	07 Feb 2025 23:53		RC/JU	Ok,M
34	Q1232-19	JPP-51.1-012925	BF141528.D	08 Feb 2025 00:20		RC/JU	Ok,M
35	Q1235-03	JPP-51.2-012925	BF141529.D	08 Feb 2025 00:47	Surrogate Fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM		
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM		
SubDirectory	BF021025	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141530.D	10 Feb 2025 11:08		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141531.D	10 Feb 2025 11:34		RC/JU	Ok
3	PB166610BL	PB166610BL	BF141532.D	10 Feb 2025 12:00		RC/JU	Ok
4	PB166619BS	PB166619BS	BF141533.D	10 Feb 2025 12:26		RC/JU	Ok,M
5	PB166619BSD	PB166619BSD	BF141534.D	10 Feb 2025 14:50		RC/JU	Ok,M
6	PB166619BL	PB166619BL	BF141535.D	10 Feb 2025 15:17		RC/JU	Ok
7	Q1322-01	MANHOLE	BF141536.D	10 Feb 2025 15:57		RC/JU	Ok
8	Q1299-04	WC-1	BF141537.D	10 Feb 2025 16:23		RC/JU	Ok
9	Q1299-04MS	WC-1MS	BF141538.D	10 Feb 2025 16:49		RC/JU	Ok,M
10	Q1299-04MSD	WC-1MSD	BF141539.D	10 Feb 2025 17:16		RC/JU	Ok,M
11	Q1299-08	WC-2	BF141540.D	10 Feb 2025 17:42		RC/JU	Ok
12	Q1309-04	WC-2	BF141541.D	10 Feb 2025 18:08		RC/JU	Ok
13	Q1344-01	SOIL-1	BF141542.D	10 Feb 2025 18:34		RC/JU	Ok
14	Q1344-03	SOIL-2	BF141543.D	10 Feb 2025 19:01		RC/JU	Ok
15	Q1288-01DL	HR-01-020425DL	BF141544.D	10 Feb 2025 19:27		RC/JU	Ok,M
16	Q1215-07DL	JPP-29.2-012825DL	BF141545.D	10 Feb 2025 19:53		RC/JU	Ok,M
17	Q1241-03DL	JPP-3.5-013025DL	BF141546.D	10 Feb 2025 20:19		RC/JU	Ok,M
18	Q1232-15DL	JPP-42.2-012925DL	BF141547.D	10 Feb 2025 20:45		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021025

Review By	Rahul	Review On	2/11/2025 4:19:14 PM		
Supervise By	Jagrut	Supervise On	2/11/2025 6:20:58 PM		
SubDirectory	BF021025	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1216-15DL	JPP-26.1-012825DL	BF141548.D	10 Feb 2025 21:12		RC/JU	Ok,M
20	Q1241-15DL	JPP-5.4-013025DL	BF141549.D	10 Feb 2025 21:38		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1236-01	WASTE	17	1.14	8.55	9.69	8.12	81.6	
Q1236-02	VOC	18	1.13	8.71	9.84	8.3	82.3	
Q1236-03	1	19	1.17	8.50	9.67	8.2	82.7	
Q1236-04	2	20	1.17	8.60	9.77	8.2	81.7	
Q1236-05	3	21	1.15	8.84	9.99	8.35	81.4	
Q1236-06	4	22	1.16	8.53	9.69	8.24	83.0	
Q1236-07	5	23	1.15	8.82	9.97	8.48	83.1	
Q1241-01	JPP-3.5-013025	1	1.15	8.58	9.73	8.41	84.6	
Q1241-03	JPP-3.5-013025	2	1.12	8.76	9.88	8.3	82.0	
Q1241-05	JPP-5.3-013025	3	1.15	8.43	9.58	8.68	89.3	
Q1241-07	JPP-5.3-013025	4	1.11	8.77	9.88	8.81	87.8	
Q1241-09	JPP-5.2-013025	5	1.15	8.59	9.74	8.65	87.3	
Q1241-11	JPP-5.2-013025	6	1.12	8.41	9.53	8.58	88.7	
Q1241-13	JPP-5.4-013025	7	1.16	8.66	9.82	8.69	87.0	
Q1241-15	JPP-5.4-013025	8	1.18	8.45	9.63	8.5	86.6	
Q1241-17	JPP-51.4-013025	9	1.14	8.55	9.69	9.12	93.3	
Q1241-19	JPP-51.4-013025	10	1.16	8.51	9.67	9.09	93.2	
Q1242-01	JPP-6.2-013025	11	1.15	8.80	9.95	8.32	81.5	
Q1242-03	JPP-6.2-013025	12	1.13	8.60	9.73	8.11	81.2	
Q1243-01	CL-01-01302025	13	1.16	8.40	9.56	9.12	94.8	
Q1243-02	CL-01-01302025-E2	14	1.13	8.70	9.83	9.36	94.6	
Q1244-01	EO-02-01302025	15	1.18	8.71	9.89	9.36	93.9	
Q1244-02	EO-02-01302025-E2	16	1.12	8.80	9.92	9.42	94.3	
Q1254-01	OK-02-01312025	24	1.16	8.40	9.56	8.48	87.1	
Q1254-02	OK-02-01312025-E2	25	1.15	8.83	9.98	9.6	95.7	
Q1257-01	013025	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1258-01	112224A	43	1.00	1.00	2.00	2.00	100.0	debris
Q1259-01	12825	44	1.14	8.70	9.84	8.7	86.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1260-01	12925-A	45	1.00	1.00	2.00	2.00	100.0	debris
Q1260-02	12925-BC	46	1.16	8.42	9.58	9.2	95.5	
Q1261-01	CHRT-20430	47	1.14	8.43	9.57	5.86	56.0	
Q1261-02	CHRT-20430-E2	48	1.12	8.77	9.89	5.93	54.8	
Q1262-01	ETGI-371	49	1.15	8.70	9.85	8.64	86.1	
Q1262-02	ETGI-371-E2	50	1.16	8.82	9.98	8.78	86.4	
Q1262-03	CONCRETE-PAD	51	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-04	CONCRETE-PAD-E2	52	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1262-05	3762	53	1.00	1.00	2.00	2.00	100.0	debris
Q1263-01	KMA9027-1-1	54	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-02	KMA9027-1-2	55	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-03	BC274653-1-1	56	1.00	1.00	2.00	2.00	100.0	pilc
Q1263-04	BC274653-1-2	57	1.00	1.00	2.00	2.00	100.0	pilc
Q1264-01	AUD-1606	26	1.18	8.62	9.8	9.63	98.0	
Q1264-02	AUD-25-0008	27	1.11	8.71	9.82	7.77	76.5	
Q1265-01	AUD-25-0006	28	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-01	TRE-25-0003	29	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-02	TRE-25-0009	30	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1267-03	TRE-25-0011	31	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1268-05	SVOC-GPC-BLANK	32	1.00	1.00	2.00	2.00	100.0	
Q1268-06	PEST-GPC-BLANK	33	1.00	1.00	2.00	2.00	100.0	
Q1268-07	PEST-GPC-BLANK-SPIKE	34	1.00	1.00	2.00	2.00	100.0	
Q1268-08	PCB-GPC-BLANK	35	1.00	1.00	2.00	2.00	100.0	
Q1268-09	PCB-GPC-BLANK-SPIKE	36	1.00	1.00	2.00	2.00	100.0	
Q1268-10	SVOC-GPC2-BLANK	37	1.00	1.00	2.00	2.00	100.0	
Q1268-11	PEST-GPC2-BLANK	38	1.00	1.00	2.00	2.00	100.0	
Q1268-12	PEST-GPC2-BLANK-SPIKE	39	1.00	1.00	2.00	2.00	100.0	
Q1268-13	PCB-GPC2-BLANK	40	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:40
Out Date: 02/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134497

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1268-14	PCB-GPC2-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1269-01	VNJ-231	58	1.17	8.81	9.98	9.00	88.9	
Q1269-02	VNJ-231-E2	59	1.12	8.86	9.98	9.1	90.1	
Q1270-01	BC247799-1-1	60	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-02	BC247799-1-2	61	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-03	BC274768-1-1	62	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-04	BC274768-1-2	63	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-05	BC274768-2-1	64	1.00	1.00	2.00	2.00	100.0	oilc
Q1270-06	BC274768-2-2	65	1.00	1.00	2.00	2.00	100.0	oilc
Q1271-01	RBR200030	66	1.12	8.74	9.86	8.87	88.7	
Q1271-02	RBR200030-E2	67	1.17	8.53	9.7	9.02	92.0	
Q1271-03	3189-3196	68	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

R134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1236-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1236-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-01	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	SCIA01	E11	01/30/2025	Chemtech -SO
Q1241-03	JPP-3.5-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-05	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-07	JPP-5.3-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-09	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-11	JPP-5.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-13	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-15	JPP-5.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-17	JPP-51.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1241-19	JPP-51.4-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-01	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1242-03	JPP-6.2-013025	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/30/2025	Chemtech -SO
Q1243-01	CL-01-01302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO
Q1243-02	CL-01-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/30/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JD (DC)

Raw Sample Relinquished by: RJ (CEAT-Lab)

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ (CEAT-Lab)

Raw Sample Relinquished by: JD (DC)

WORKLIST(Hardcopy Internal Chain)

134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1244-01	EO-02-01302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1244-02	EO-02-01302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N51	01/30/2025	Chemtech -SO
Q1254-01	OK-02-01312025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1254-02	OK-02-01312025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/31/2025	Chemtech -SO
Q1257-01	013025	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1258-01	112224A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1259-01	12825	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1260-01	12925-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1260-02	12925-BC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1261-01	CHRT-20430	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1261-02	CHRT-20430-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-01	ETGI-371	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-02	ETGI-371-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-03	CONCRETE-PAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-04	CONCRETE-PAD-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1262-05	3762	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1263-01	KMA9027-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-02	KMA9027-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-03	BC274653-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1263-04	BC274653-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N11	01/31/2025	Chemtech -SO
Q1264-01	AUD-1606	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: SD (ed C)

Raw Sample Relinquished by: RJ (EXT-Lab)

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ (EXT-Lab)

Raw Sample Relinquished by: SD (ed C)

WORKLIST(Hardcopy Internal Chain)

VB134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1264-02	AUD-25-0008	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/31/2025	Chemtech -SO
Q1265-01	AUD-25-0006	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-01	TRE-25-0003	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-02	TRE-25-0009	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1267-03	TRE-25-0011	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/31/2025	Chemtech -SO
Q1268-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1268-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	01/31/2025	Chemtech -SO
Q1269-02	VNJ-231-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-01	BC247799-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	01/31/2025	Chemtech -SO
Q1270-02	BC247799-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-03	BC274768-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-04	BC274768-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JA WDC

Raw Sample Relinquished by: RJ CETT-Lab

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ CETT-Lab

Raw Sample Relinquished by: JA WDC

WORKLIST(Hardcopy Internal Chain)

IR-134497

WorkList Name : %1-013125 **WorkList ID :** 187328 **Department :** Wet-Chemistry **Date :** 01-31-2025 07:56:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1270-05	BC274768-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1270-06	BC274768-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-01	RBR200030	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	01/31/2025	Chemtech -SO
Q1271-02	RBR200030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO
Q1271-03	3189-3196	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	01/31/2025	Chemtech -SO

Date/Time 01/31/25 16:10

Raw Sample Received by: JD WDC

Raw Sample Relinquished by: RJ CEXT-lab

Date/Time 01/31/25 17:50

Raw Sample Received by: RJ CEXT-lab

Raw Sample Relinquished by: JD WDC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166418

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 01/31/2025

Extraction Start Time : 10:20

Extraction End Date : 01/31/2025

Extraction End Time : 13:20

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2578
Baked Na2SO4	N/A	EP2580
Methylene Chloride	N/A	E3874
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.,

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/31/25	RP (Ext lab)	RC/Sivac
13:25	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166418

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166418BL	SBLK418	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U4-1
PB166418BS	SLCS418	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q1232-03	JPP-46.2-012925	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	C		3
Q1232-07	JPP-46.1-012925	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	C		4
Q1232-11	JPP-42.1-012925	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	C		5
Q1232-15	JPP-42.2-012925	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	C		6
Q1232-19	JPP-51.1-012925	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	C		U2-1
Q1235-03	JPP-51.2-012925	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	C		2
Q1235-07	JPP-16.1-012925	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	C		3
Q1239-01	286	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	C		4
Q1239-04	348	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	C		5
Q1239-07	RBR22266	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	C		6
Q1239-10	357	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	C		U5-1
Q1239-10MS	357MS	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	C		2
Q1239-10MS D	357MSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	C		3
Q1241-03	JPP-3.5-013025	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	C		4
Q1241-07	JPP-5.3-013025	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	C		5
Q1241-11	JPP-5.2-013025	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	C		6
Q1241-15	JPP-5.4-013025	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	C		U6-1
Q1241-19	JPP-51.4-013025	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	C		2
Q1242-03	JPP-6.2-013025	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	C		3
Q1243-01	CL-01-01302025	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	C		4
Q1244-01	EO-02-01302025	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	C		5

* **Extracts relinguished on the same date as received.**

1/31/25

1661/25
10:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1244 **WorkList ID :** 187333 **Department :** Extraction **Date :** 01-31-2025 08:18:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1232-03	JPP-46.2-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1232-07	JPP-46.1-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1232-11	JPP-42.1-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1232-15	JPP-42.2-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1232-19	JPP-51.1-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1235-03	JPP-51.2-012925	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/29/2025	8270E
Q1235-07	JPP-16.1-012925	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/29/2025	8270E
Q1239-01	286	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/30/2025	8270E
Q1239-04	348	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/30/2025	8270E
Q1239-07	RBR22266	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/30/2025	8270E
Q1239-10	357	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/30/2025	8270E
Q1241-03	JPP-3.5-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1241-07	JPP-5.3-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1241-11	JPP-5.2-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1241-15	JPP-5.4-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1241-19	JPP-51.4-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1242-03	JPP-6.2-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1243-01	CL-01-01302025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N41	01/30/2025	8270E
Q1244-01	EO-02-01302025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N51	01/30/2025	8270E

Date/Time 01/31/25 10:15
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: CP SM

Date/Time 01/31/25 10:35
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1241

Test : SVOC-TCL BNA -20

Prepbatch ID : PB166418,

Sequence ID/Qc Batch ID: BF013125,BF020425,BF020525,BF020725,BF021025,

Standard ID :
EP2578,EP2580,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3815,E3828,E3846,E3848,E3871,E3874,S10103,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11087,S11093,S11099,S11103,S11143,S11160,S11161,S11487,S11494,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12079,S12113,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12275,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12650,S12651,S12790,S12791,S12963,S12964,S12965,S12966,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2578	01/06/2025	06/18/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 01/06/2025

FROM 8000.00000ml of E3846 + 8000.00000ml of E3848 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6672	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.05000ml of S12114 + 0.20000ml of S11093 + 0.20000ml of S11494 + 0.20000ml of S11495 + 0.20000ml of S12276 + 0.26700ml of S10103 + 0.40000ml of S11103 + 0.40000ml of S12275 + 0.45000ml of S12113 + 0.50000ml of S11085 + 0.50000ml of S11086 + 0.50000ml of S12079 + 0.50000ml of S12790 + 0.80000ml of S11160 + 1.00000ml of S11099 + 3.83300ml of E3828 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6673	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.20000ml of E3828 + 0.80000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6674	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.40000ml of E3828 + 0.60000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6675	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6676	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6677	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.80000ml of E3828 + 0.20000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6678	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.90000ml of E3828 + 0.10000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6679	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.95000ml of E3828 + 0.05000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6680	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6679 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel 01/16/2025

FROM 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6720	01/29/2025	04/30/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/06/2025

FROM 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12478 + 0.50000ml of S11781 + 0.50000ml of S12470 + 0.60000ml of S11785 + 0.90000ml of S12518 + 0.90000ml of S12966 + 1.30000ml of S11782 + 1.30000ml of S11783 + 1.30000ml of S11784 + 1.30000ml of S12143 + 1.30000ml of S12144 + 1.30000ml of S12145 + 1.30000ml of S12146 + 1.30000ml of S12471 + 1.30000ml of S12472 + 1.30000ml of S12473 + 1.30000ml of S12474 + 1.30000ml of S12475 + 1.30000ml of S12476 + 1.30000ml of S12477 + 1.30000ml of S12519 + 1.30000ml of S12520 + 1.30000ml of S12521 + 1.30000ml of S12522 + 1.30000ml of S12523 + 1.30000ml of S12524 + 1.30000ml of S12525 + 1.30000ml of S12963 + 1.30000ml of S12964 + 1.30000ml of S12965 + 163.00000ml of E3846 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	06/18/2025	12/18/2024 / Rajesh	12/09/2024 / Rajesh	E3848

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11085

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	05/12/2025	11/12/2024 / Jagrut	03/06/2023 / Christian	S11160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	06/26/2025	12/26/2024 / Jagrut	11/21/2023 / Rahul	S11781

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11782

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11783

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11784

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	04/24/2025	10/24/2024 / Jagrut	01/31/2024 / Rahul	S12079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12144

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	03/11/2025	09/11/2024 / Rahul	05/24/2024 / Rahul	S12275

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/26/2025	11/26/2024 / Jagrut	07/23/2024 / RAHUL	S12470

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12471

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12472

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12473

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12474

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12475

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12477

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/03/2025	01/03/2025 / Jagrut	07/23/2024 / RAHUL	S12518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12519

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12520

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12523

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12524

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	08/03/2025	02/03/2025 / anahy	09/20/2024 / anahy	S12650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	08/07/2025	02/07/2025 / anahy	09/20/2024 / anahy	S12651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12790

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12963

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
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S11084
to
S11088

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Certified By: _____
Jacob Mulloy
Chemist

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

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S11093

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Certified By: _____
Shane Overcash
Chemist

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

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Certified By: _____
Shane Overcash
Chemist

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

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Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 02/07/23 by CG

~~S11088~~ S11096 to S11099

Manufacturer's Quality System
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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

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Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

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Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

S. Hunter

Certified By: _____

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 03/18/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

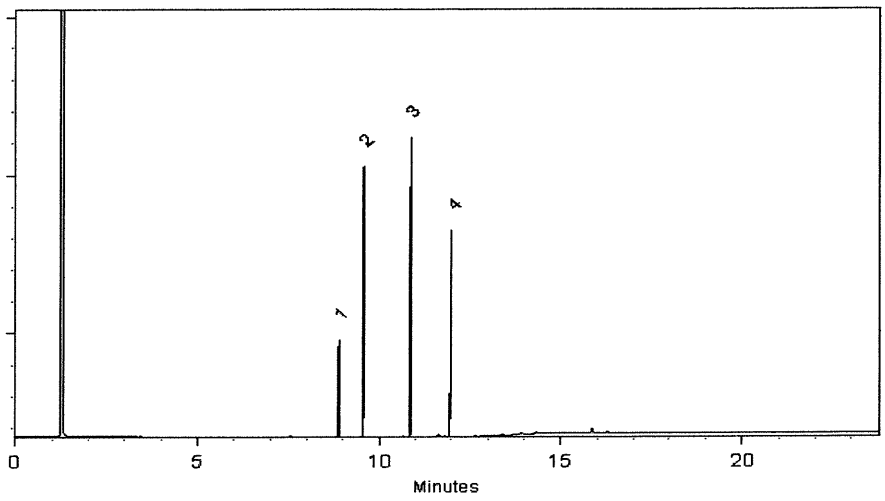
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22
S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100	µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622	µg/mL	Unstressed
	Purity 99%		+/- 905.6020	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

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0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

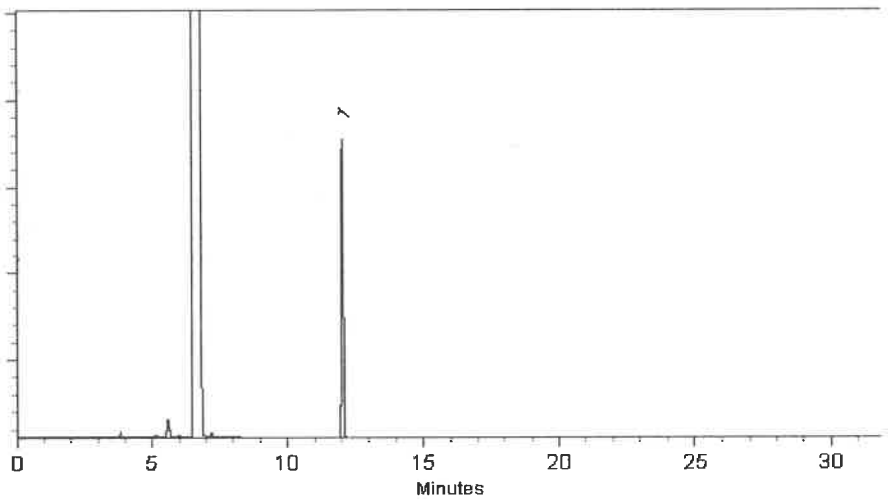
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

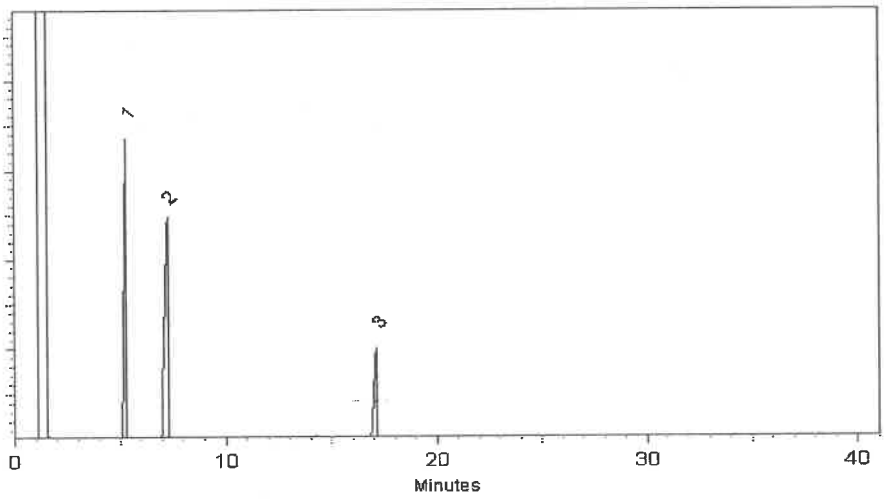
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Testing Laboratory
Certificate #3222.02

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

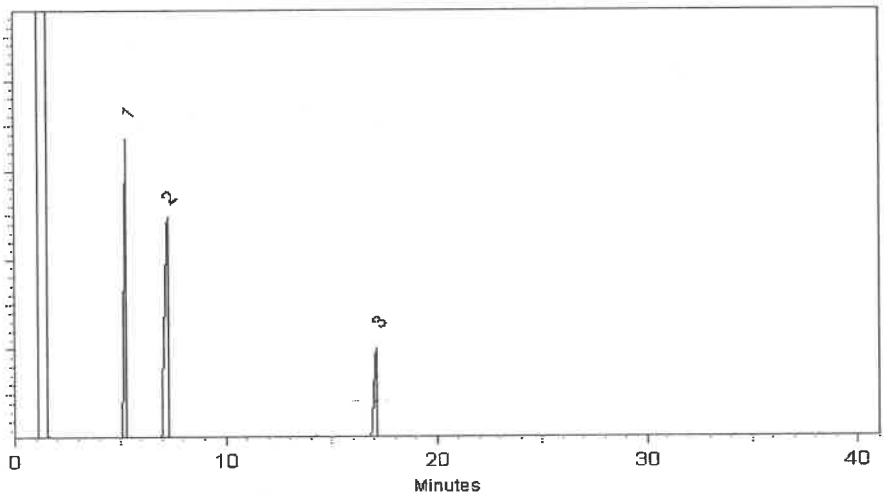
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

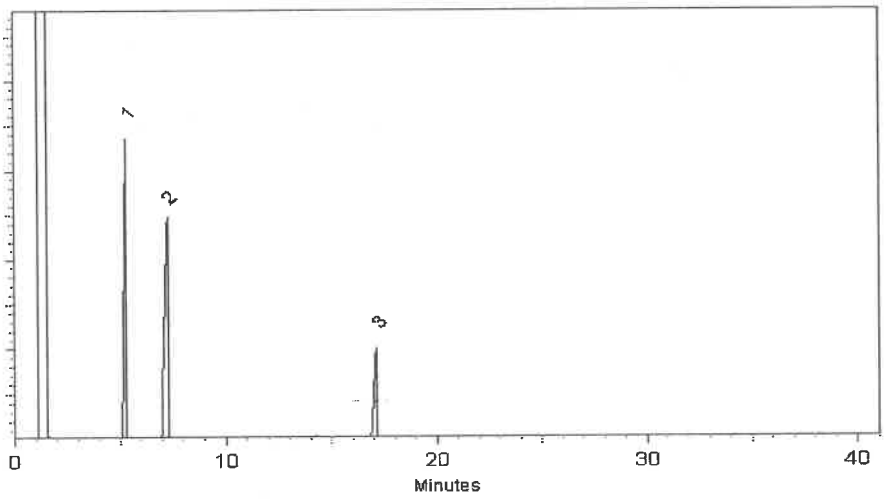
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

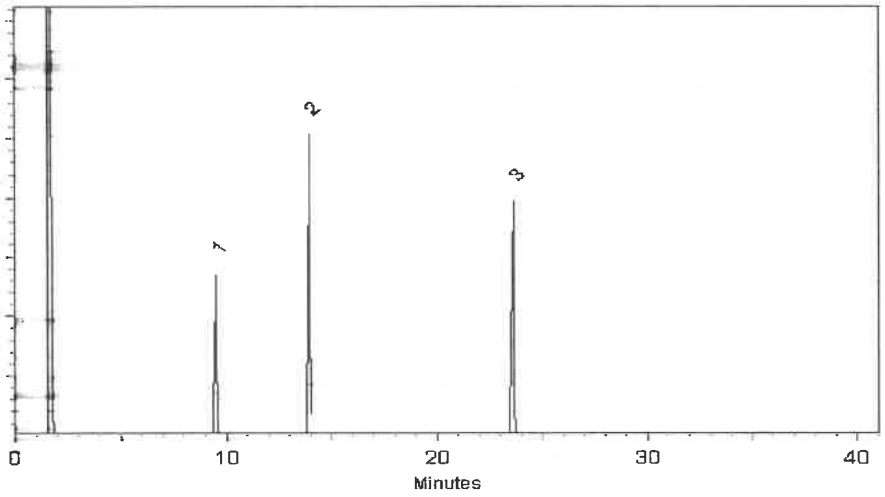
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

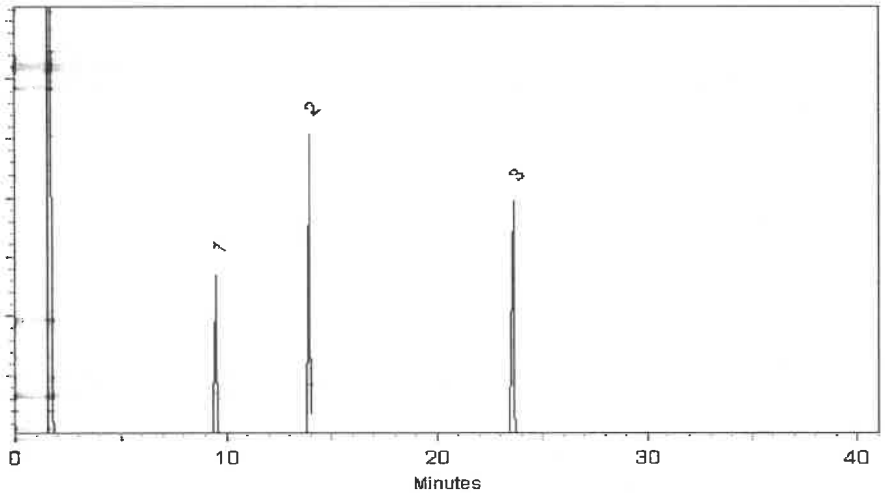
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

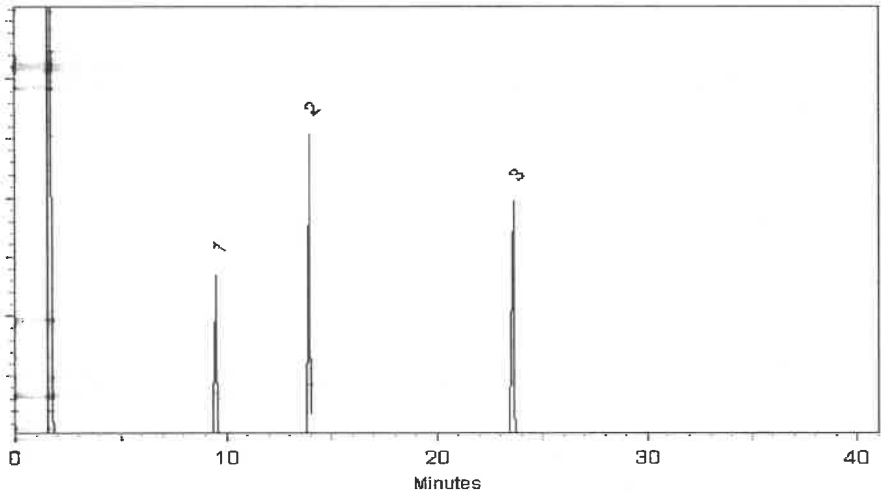
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

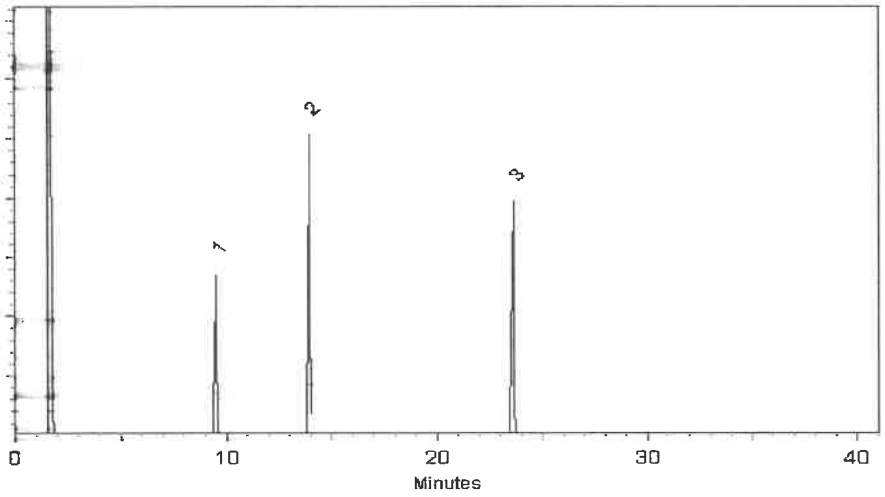
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

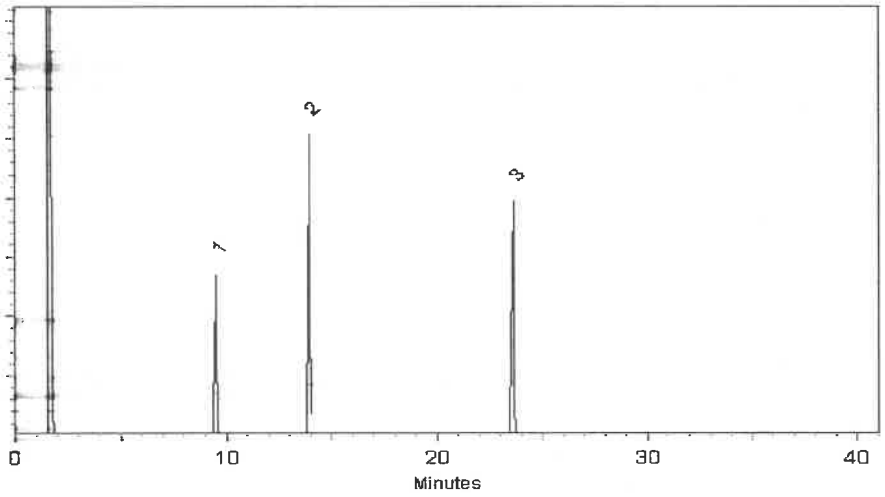
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

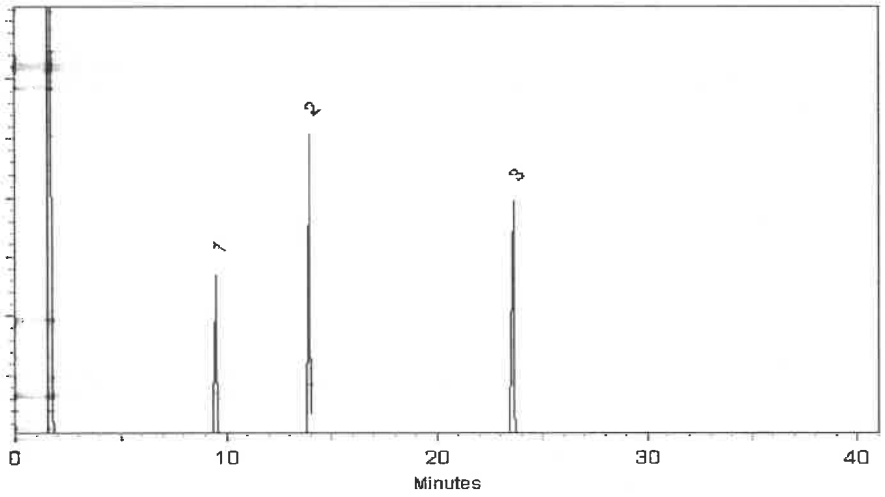
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

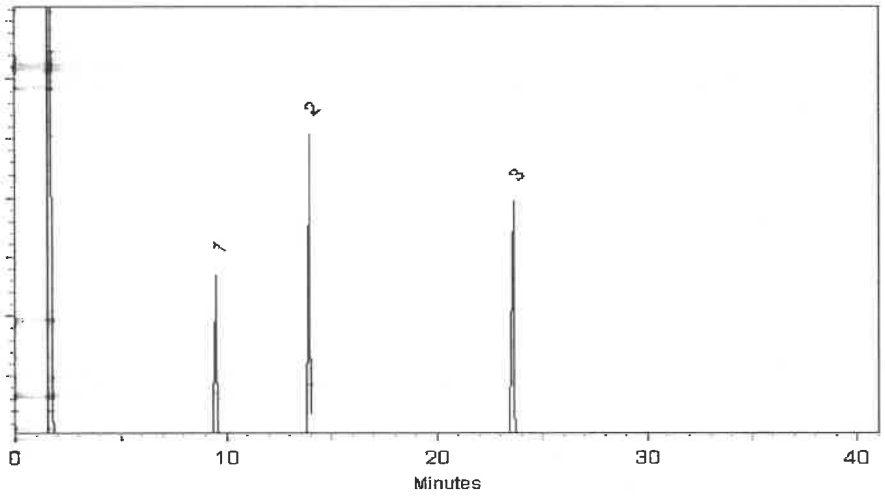
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3848

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

12/9-1/24

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

511649 ↓ 511658 Y.P. 11/13/23

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

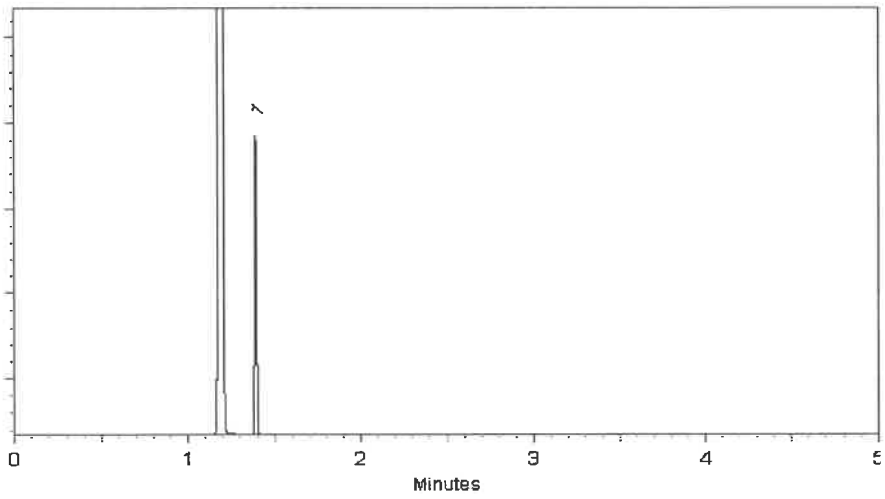
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Purity values are rounded to the nearest whole number.

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

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hydrogen-constant flow 1.8 mL/min.

Temp. Program:
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@ 9.6°C/min. (hold 2.86 min.)

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Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
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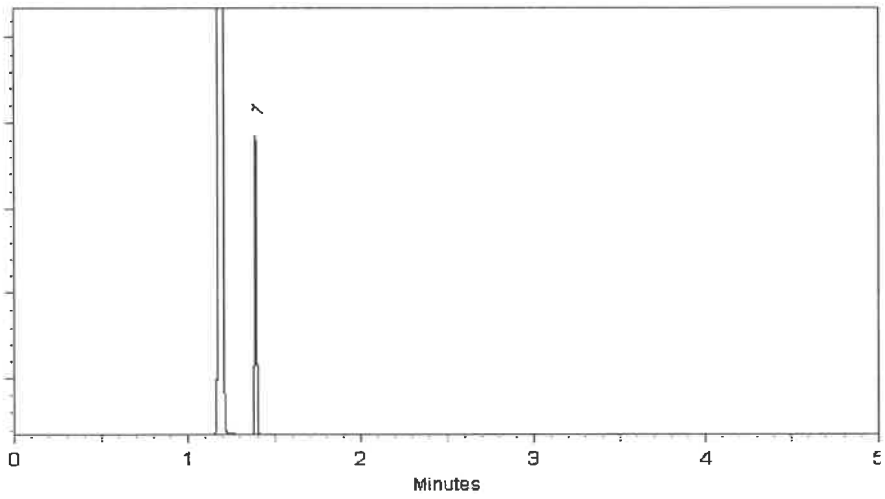

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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
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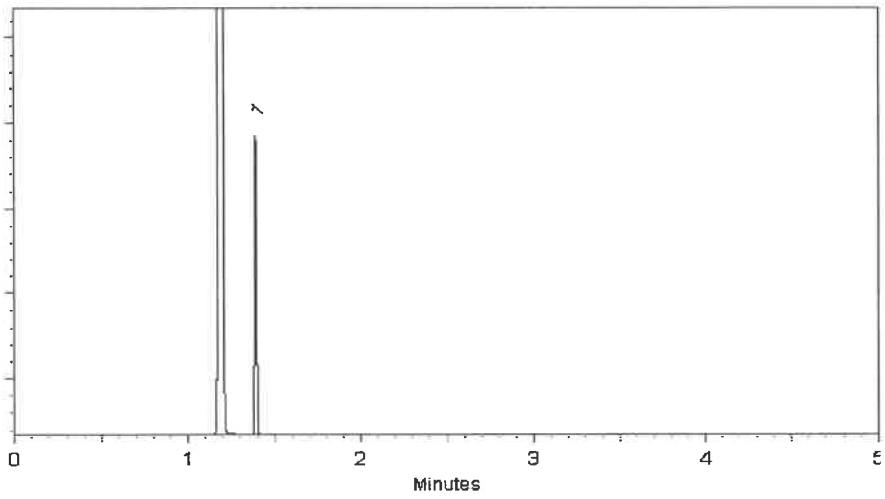

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Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Container Size : 2 mL **Pkg Amt:** > 1 mL

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Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

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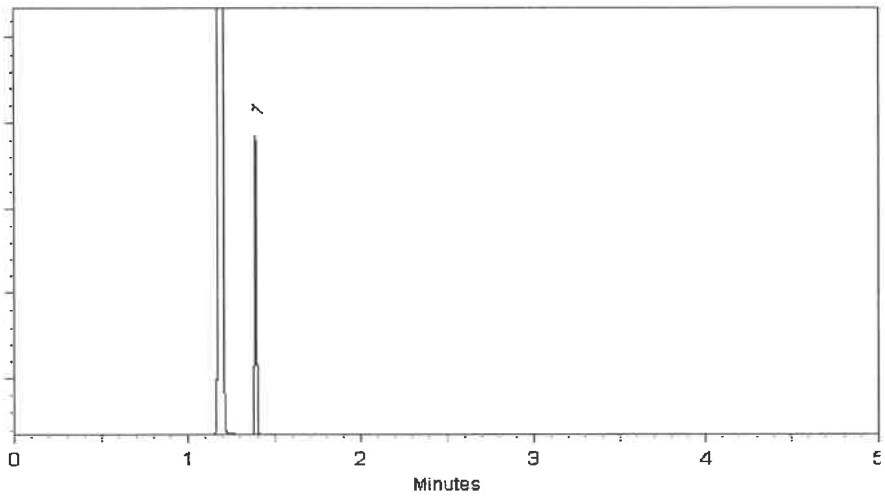

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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S11749 ↓ S11794 RC 11/30/23

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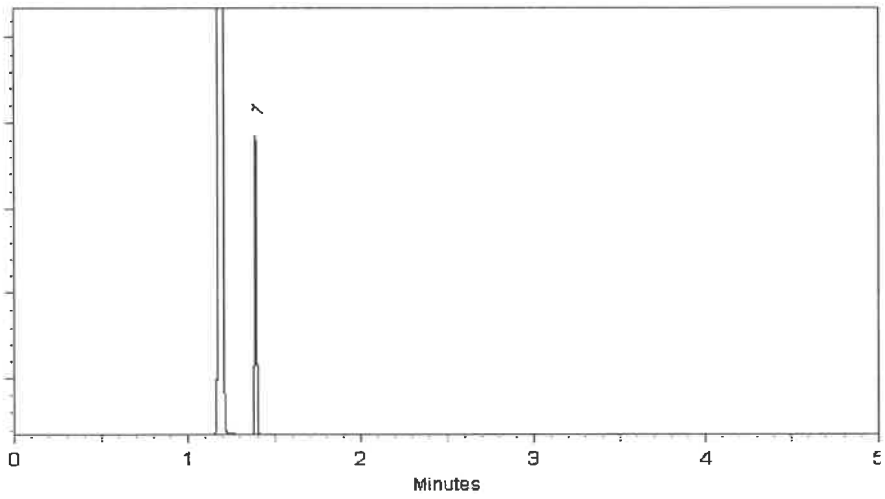

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Manufacturer's Quality System
Audited & Registered
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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

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4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
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10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

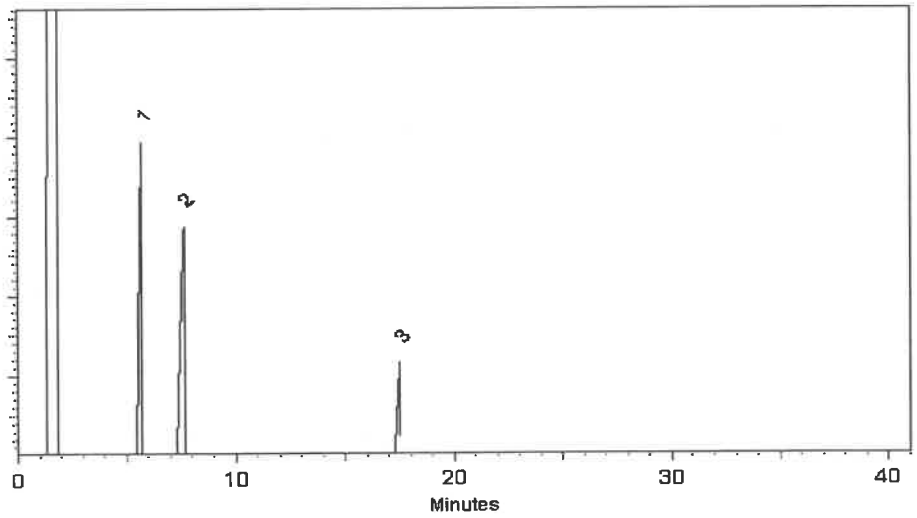
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

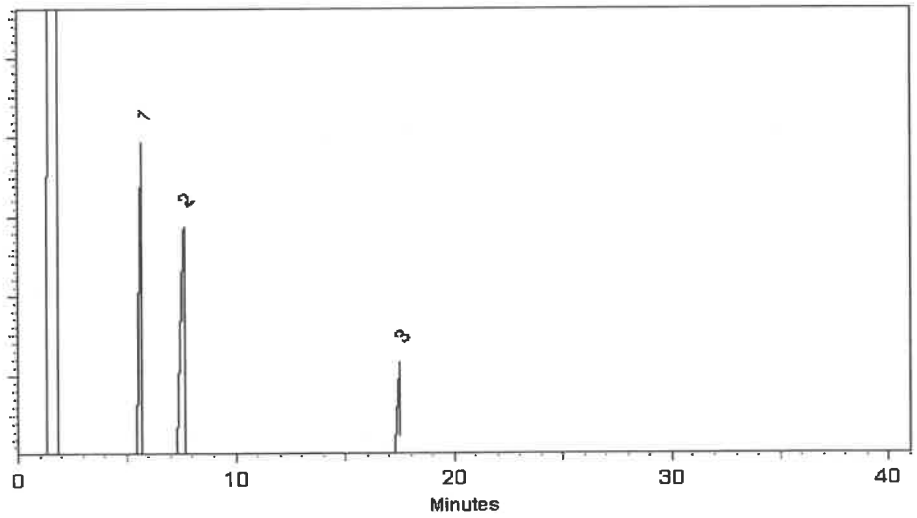
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

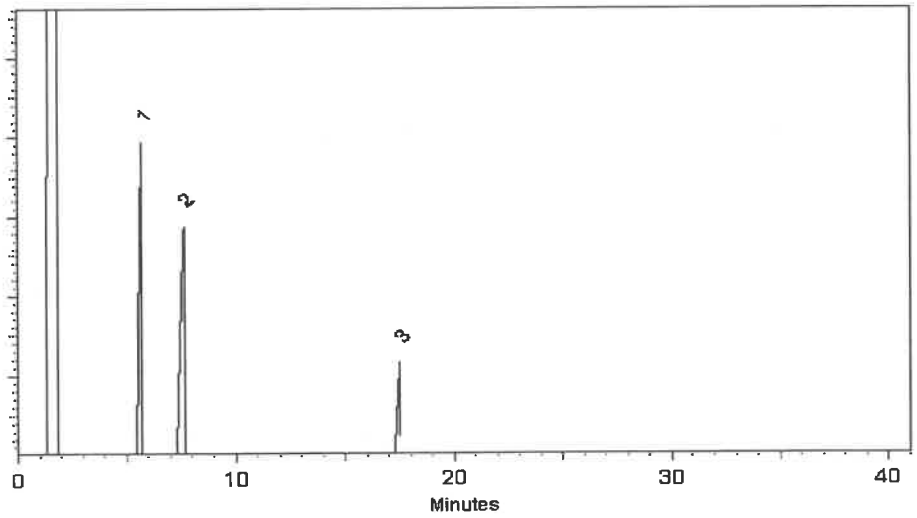
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

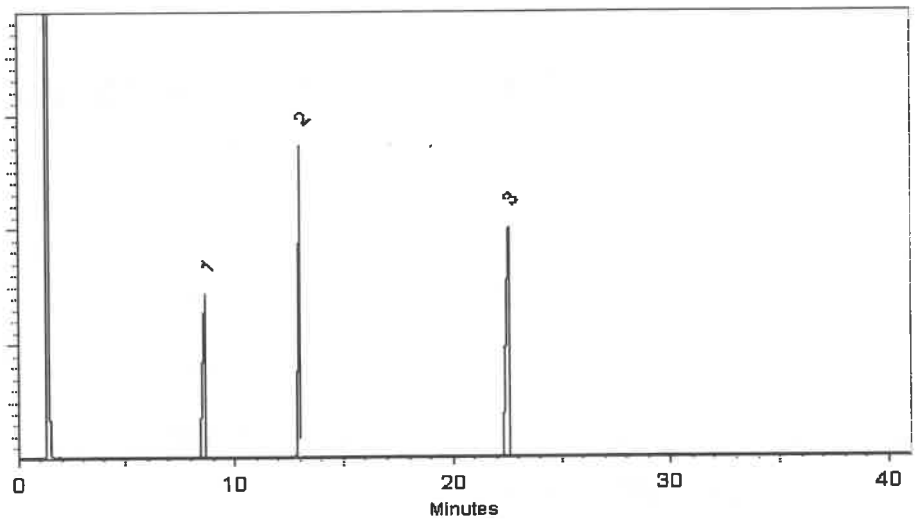
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

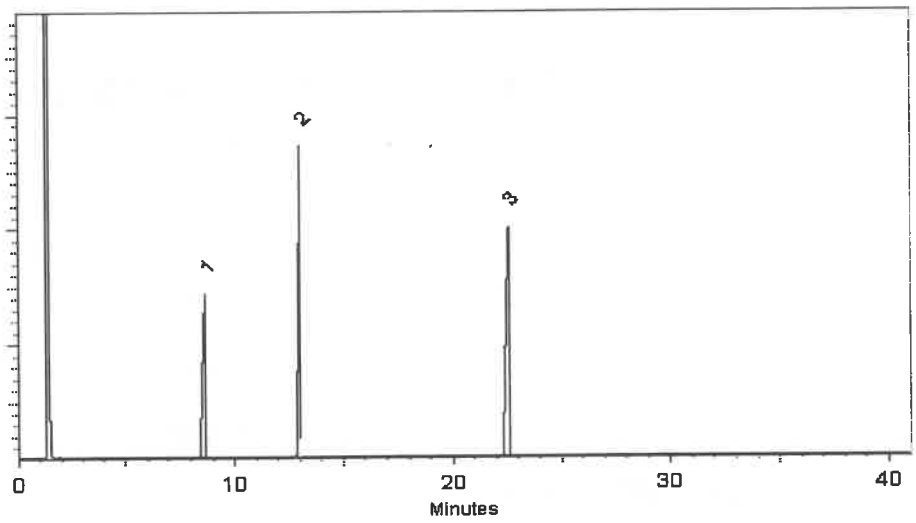
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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CPI INTERNATIONAL

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

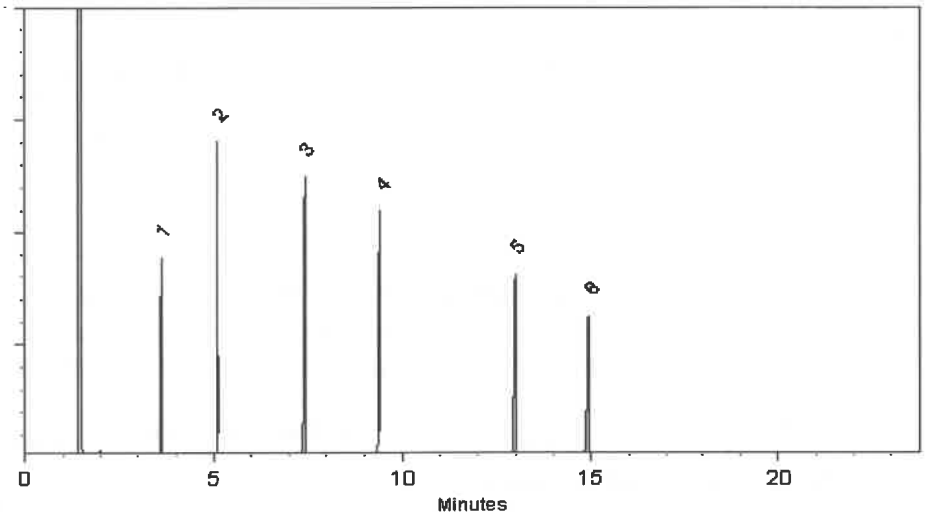
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

ISO/IEC 17025 Accredited
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Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ → ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Santa Rosa, CA 95403

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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ → ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

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2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

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3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
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7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
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12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. / QUOTE NO.: Q1241
COC Number: 2041692

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY: ZIP:
ATTENTION: Rutu Manani
PHONE: 609-409-4564 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR BMCR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Rutu Manani
e-mail: Rmanani@Ru2eng.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same as company address PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 10 days DAYS*
HARDCOPY (DATA PACKAGE): Standard 10 days DAYS*
EDD: Standard 10 days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☒ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 TCL VOCs + TICs, MTBE, TBA
2 TCLP VOCs
3 TPH GRO-DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides, PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	JPP-3.5-013025	Soil		G	1/30/25	8:11	3	X	X	X	RA	X					
2.	JPP-3.5-013025	Soil	C		1/30/25	8:20	8			X	X	X	X	X	X	X	
3.	JPP-5.3-013025	Soil		G	1/30/25	8:52	3	X	X	X							
4.	JPP-5.3-013025	Soil	C		1/30/25	9:00	8			X	X	X	X	X	X	X	
5.	JPP-5.2-013025	Soil		G	1/30/25	9:46	3	X	X	X							
6.	JPP-5.2-013025	Soil	C		1/30/25	9:54	8			X	X	X	X	X	X	X	
7.	JPP-5.4-013025	Soil		G	1/30/25	10:43	3	X	X	X							
8.	JPP-5.4-013025	Soil	C		1/30/25	10:51	8			X	X	X	X	X	X	X	
9.	JPP-5.4-013025	Soil		G	1/30/25	11:48	3	X	X	X							
10.	JPP-5.4-013025	Soil	C		1/30/25	11:56	8			X	X	X	X	X	X	X	

PRESERVATIVES: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RA	1-30-25 1453	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.1 °C
Comments: Preserve extra Sample Jar if additional analysis is Required.
1 Cooler #

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1241 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 2:58:00 PM
Project Name : NYCDDC SANTWOBR Bı
Receive DateTime : 1/30/2025 2:53:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1241-01	JPP-3.5-013025	Solid	01/30/2025	08:11					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-05	JPP-5.3-013025	Solid	01/30/2025	08:52					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-09	JPP-5.2-013025	Solid	01/30/2025	09:46					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-13	JPP-5.4-013025	Solid	01/30/2025	10:43					
					VOCMS Group1		8260D		10 Bus. Days
Q1241-17	JPP-51.4-013025	Solid	01/30/2025	11:48					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By : CL
Date / Time : 1-30-25 1550

Received By : JC
Date / Time : 1/30/25 1580

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1241 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/30/2025 2:58:00 PM
Project Name : NYCDDC SANTWOBR B1
Receive DateTime : 1/30/2025 2:53:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1241-01	JPP-3.5-013025	Solid	01/30/2025	08:11					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-05	JPP-5.3-013025	Solid	01/30/2025	08:52					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-09	JPP-5.2-013025	Solid	01/30/2025	09:46					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-13	JPP-5.4-013025	Solid	01/30/2025	10:43					
					Gasoline Range Organics		8015D		10 Bus. Days
Q1241-17	JPP-51.4-013025	Solid	01/30/2025	11:48					
					Gasoline Range Organics		8015D		10 Bus. Days

Relinguished By : cl
Date / Time : 1-30-25 1550

Received By : JC
Date / Time : 1/30/25 1550

Storage Area : VOA Refridgerator Room