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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q1812

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1812

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q1812-01	TB01-041525
Q1812-02	RINSE-EB-TANK-041525
Q1812-03	RINSE-EB-PUMP-041525

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: 4/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Chemtech Project # Q1812
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
3 Water samples were received on 04/15/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Mercury, Metals ICP-RCRA, Metals ICP-TAL, METALS RCRA, METALS-TAL, SVOC-TCL BNA -20, TPH GC and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for RINSE-EB-TANK-041525 [Phenol-d6 - 14%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .

The Blank Spike for {PB167625BS} with File ID: BP024339.D met requirements for all samples except for 3,3-Dichlorobenzidine[63%], 4-Chloroaniline[31%]-These compounds did not meet the NJDKQP criteria but met the in-house criteria and For Hexachlorocyclopentadiene[190%]-This compound did not meet the NJDKQP criteria and in-house criteria. But associated samples have not positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate for {PB167625BSD} with File ID: BP024340.D met requirements for all samples except for 2,4-Dimethylphenol[132%], 3,3-Dichlorobenzidine[65%], 4-Chloroaniline[34%]-These compounds did not meet the NJDKQP criteria but met the in-house criteria and for Hexachlorocyclopentadiene[190%]-This compound did not meet the NJDKQP criteria

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and in-house criteria But associated samples have not positive hit for these compounds therefore no corrective action was taken.
.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration File ID BP024320.D met the requirements except for Benzaldehyde . But associated samples have not positive hit for this compound therefore no corrective action was taken.
The Tuning criteria met requirements.

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

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

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

CHEMTECH PROJECT NUMBER: Q1812 MATRIX: Water

METHOD: 8270E/3510

		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 BP024320.D met the requirements except for Benzaldehyde . But associated samples have not positive hit for this compound therefore no corrective action was taken.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
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 RINSE-EB-TANK-041525 [Phenol-d6 - 14%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.			

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

(CONTINUED)

		NA	NO	YES
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 Blank Spike for {PB167625BS} with File ID: BP024339.D met requirements for all samples except for 3,3-Dichlorobenzidine[63%], 4-Chloroaniline[31%]-These compounds did not meet the NJDKQP criteria but met the in-house criteria and For Hexachlorocyclopentadiene[190%]-This compound did not meet the NJDKQP criteria and in-house criteria. But associated samples have not positive hit for these compounds therefore no corrective action was taken.			
	The Blank Spike Duplicate for {PB167625BSD} with File ID: BP024340.D met requirements for all samples except for 2,4-Dimethylphenol[132%], 3,3-Dichlorobenzidine[65%], 4-Chloroaniline[34%]-These compounds did not meet the NJDKQP criteria but met the in-house criteria and for Hexachlorocyclopentadiene[190%]-This compound did not meet the NJDKQP criteria and in-house criteria But associated samples have not positive hit for these compounds therefore no corrective action was taken.			
	.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	
	Comments: The Internal Standards Areas met the acceptable requirements.			
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:

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1812

	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:** 04/30/2025

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LAB CHRONICLE

OrderID:	Q1812	**OrderDate:**	4/15/2025 4:26:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1812-02	**RINSE-EB-TANK-041525**	**Water**			**04/15/25**			**04/15/25**
			SVOC-TCL BNA -20	8270E		04/17/25	04/17/25	
Q1812-03	**RINSE-EB-PUMP-041525**	**Water**			**04/15/25**			**04/15/25**
			SVOC-TCL BNA -20	8270E		04/17/25	04/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1812

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**RINSE-EB-TANK-041525**							
Q1812-02	RINSE-EB-TANK-04152 WATER	1,1-Dimethyl-3-chloropropanol	*	68.600	J	0	0	ug/L
Q1812-02	RINSE-EB-TANK-04152 WATER	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	3.800	J	0	0	ug/L
Q1812-02	RINSE-EB-TANK-04152 WATER	2-Butene, 1-chloro-3-methyl-	*	31.500	J	0	0	ug/L
Q1812-02	RINSE-EB-TANK-04152 WATER	2-Pentanone, 4-hydroxy-4-methyl	*	4.800	AB	0	0	ug/L
Q1812-02	RINSE-EB-TANK-04152 WATER	3-(Chloromethyl)-5-isobutyl-1,2,4	*	12.000	J	0	0	ug/L
Q1812-02	RINSE-EB-TANK-04152 WATER	Butane, 2,3-dichloro-2-methyl-	*	9.900	J	0	0	ug/L
Q1812-02	RINSE-EB-TANK-04152 WATER	Ethanol, 2-butoxy-	*	40.000	J	0	0	ug/L
Q1812-02	RINSE-EB-TANK-04152 WATER	unknown4.969	*	3.800	J	0	0	ug/L
Q1812-02	RINSE-EB-TANK-04152 WATER	unknown7.269	*	23.000	J	0	0	ug/L
		Total Tics :		**197.40**				
		Total Concentration:		**197.40**				
Client ID :	**RINSE-EB-PUMP-041525**							
Q1812-03	RINSE-EB-PUMP-04152 WATER	Diethylphthalate		17.000		0.69	5	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Di-n-butylphthalate		3.900	J	1.2	5	ug/L
		Total Svoc :		**20.90**				
Q1812-03	RINSE-EB-PUMP-04152 WATER	1-Hexanol, 2-ethyl-	*	8.300	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Heptadecane, 9-octyl-	*	6.300	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Hexadecane, 1-iodo-	*	7.500	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Hexanedioic acid, bis(2-ethylhexy	*	4.200	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Hexanoic acid, 2-ethyl-	*	8.700	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	n-Decanoic acid	*	4.300	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	n-Hexadecanoic acid	*	4.800	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Octadecanoic acid	*	200.000	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Octadecanoic acid, 2-(2-hydroxye	*	4.800	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Pentadecane, 8-hexyl-	*	6.900	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Pentadecanoic acid	*	7.700	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Tetracosane	*	10.300	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Tetradecanoic acid	*	5.200	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	Tridecanoic acid	*	8.700	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	unknown17.416	*	9.200	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	unknown17.810	*	4.000	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	unknown18.098	*	81.700	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	unknown19.136	*	18.000	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	unknown19.369	*	17.300	J	0	0	ug/L
Q1812-03	RINSE-EB-PUMP-04152 WATER	unknown19.427	*	200.000	J	0	0	ug/L
		Total Tics :		**617.90**				

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Hit Summary Sheet
SW-846

SDG No.: Q1812

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
		Total Concentration:	**638.80**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1812

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167625BL	PB167625BL	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	131	88		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.4	94		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.4	92		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	141	94		15 (44)	110 (137)
		Terphenyl-d14	100	96.6	97		30 (48)	130 (125)
PB167625BS	PB167625BS	2-Fluorophenol	150	131	87		15 (10)	110 (139)
		Phenol-d6	150	121	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	84.3	84		30 (49)	130 (133)
		2-Fluorobiphenyl	100	84.9	85		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	126	84		15 (44)	110 (137)
		Terphenyl-d14	100	89.5	89		30 (48)	130 (125)
PB167625BSD	PB167625BSD	2-Fluorophenol	150	135	90		15 (10)	110 (139)
		Phenol-d6	150	122	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	86.7	87		30 (49)	130 (133)
		2-Fluorobiphenyl	100	85.7	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	87.2	87		30 (48)	130 (125)
Q1812-02	RINSE-EB-TANK-041525	2-Fluorophenol	150	55.2	37		15 (10)	110 (139)
		Phenol-d6	150	21.3	14	*	15 (10)	110 (134)
		Nitrobenzene-d5	100	98.2	98		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.4	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	110	73		15 (44)	110 (137)
		Terphenyl-d14	100	89.8	90		30 (48)	130 (125)
Q1812-03	RINSE-EB-PUMP-041525	2-Fluorophenol	150	92.8	62		15 (10)	110 (139)
		Phenol-d6	150	55.3	37		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.1	99		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.3	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	161	108		15 (44)	110 (137)
		Terphenyl-d14	100	89.6	90		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1812

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BP024339.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167625BS	Benzaldehyde	50	35.9	ug/L	72				20 (10)	160 (162)	
	Phenol	50	45.3	ug/L	91				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	43.0	ug/L	86				70 (62)	130 (103)	
	2-Chlorophenol	50	45.9	ug/L	92				70 (70)	130 (117)	
	2-Methylphenol	50	47.3	ug/L	95				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	44.3	ug/L	89				70 (65)	130 (100)	
	Acetophenone	50	42.7	ug/L	85				70 (60)	130 (104)	
	3+4-Methylphenols	50	45.6	ug/L	91				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	41.2	ug/L	82				70 (57)	130 (107)	
	Hexachloroethane	50	45.7	ug/L	91				20 (76)	160 (118)	
	Nitrobenzene	50	43.7	ug/L	87				70 (58)	130 (106)	
	Isophorone	50	44.9	ug/L	90				70 (61)	130 (102)	
	2-Nitrophenol	50	46.4	ug/L	93				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	63.8	ug/L	128				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	43.3	ug/L	87				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	46.0	ug/L	92				70 (66)	130 (115)	
	Naphthalene	50	41.6	ug/L	83				70 (64)	130 (107)	
	4-Chloroaniline	50	15.6	ug/L	31		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	45.4	ug/L	91				70 (69)	130 (101)	
	Caprolactam	50	40.0	ug/L	80				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	43.0	ug/L	86				70 (65)	130 (114)	
	2-Methylnaphthalene	50	37.7	ug/L	75				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	190	ug/L	190		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	48.0	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	47.0	ug/L	94				70 (70)	130 (106)	
	1,1-Biphenyl	50	43.8	ug/L	88				70 (72)	130 (98)	
	2-Chloronaphthalene	50	45.1	ug/L	90				70 (59)	130 (106)	
	2-Nitroaniline	50	46.8	ug/L	94				70 (73)	130 (114)	
	Dimethylphthalate	50	41.9	ug/L	84				70 (64)	130 (103)	
	Acenaphthylene	50	47.5	ug/L	95				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	44.2	ug/L	88				70 (64)	130 (110)	
	3-Nitroaniline	50	38.3	ug/L	77				70 (28)	130 (100)	
	Acenaphthene	50	42.5	ug/L	85				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	93.4	ug/L	93				20 (36)	160 (166)	
	4-Nitrophenol	100	88.6	ug/L	89				20 (45)	160 (147)	
	Dibenzofuran	50	41.1	ug/L	82				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	44.8	ug/L	90				70 (60)	130 (115)	
	Diethylphthalate	50	41.5	ug/L	83				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	43.0	ug/L	86				70 (61)	130 (104)	
	Fluorene	50	42.8	ug/L	86				70 (64)	130 (107)	
	4-Nitroaniline	50	43.5	ug/L	87				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	47.0	ug/L	94				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	47.4	ug/L	95				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	48.1	ug/L	96				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1812

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BP024339.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167625BS	Hexachlorobenzene	50	48.7	ug/L	97				70 (73)	130 (106)	
	Atrazine	50	62.9	ug/L	126				70 (76)	130 (120)	
	Pentachlorophenol	100	94.3	ug/L	94				20 (47)	160 (114)	
	Phenanthrene	50	45.1	ug/L	90				70 (62)	130 (109)	
	Anthracene	50	48.1	ug/L	96				70 (65)	130 (110)	
	Carbazole	50	45.2	ug/L	90				70 (62)	130 (106)	
	Di-n-butylphthalate	50	45.7	ug/L	91				70 (64)	130 (106)	
	Fluoranthene	50	42.7	ug/L	85				70 (64)	130 (110)	
	Pyrene	50	45.4	ug/L	91				70 (71)	130 (103)	
	Butylbenzylphthalate	50	48.8	ug/L	98				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	31.4	ug/L	63		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	46.5	ug/L	93				70 (62)	130 (107)	
	Chrysene	50	46.1	ug/L	92				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	49.6	ug/L	99				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	52.1	ug/L	104				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	43.1	ug/L	86				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	45.2	ug/L	90				70 (77)	130 (105)	
	Benzo(a)pyrene	50	49.2	ug/L	98				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	48.3	ug/L	97				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	47.7	ug/L	95				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	45.8	ug/L	92				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	45.7	ug/L	91				70 (72)	130 (101)	
	1,4-Dioxane	50	35.8	ug/L	72				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	43.5	ug/L	87				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1812

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BP024340.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167625BSD	Benzaldehyde	50	36.5	ug/L	73	2			20 (10)	160 (162)	20 (20)
	Phenol	50	45.8	ug/L	92	1			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	43.0	ug/L	86	0			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	46.2	ug/L	92	1			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	47.7	ug/L	95	1			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	43.5	ug/L	87	2			70 (65)	130 (100)	20 (20)
	Acetophenone	50	43.8	ug/L	88	3			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	45.7	ug/L	91	0			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	40.6	ug/L	81	1			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	46.0	ug/L	92	1			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.2	ug/L	90	3			70 (58)	130 (106)	20 (20)
	Isophorone	50	45.9	ug/L	92	2			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	47.1	ug/L	94	1			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	65.9	ug/L	132	3	*		70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	42.8	ug/L	86	1			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	47.2	ug/L	94	3			70 (66)	130 (115)	20 (20)
	Naphthalene	50	42.6	ug/L	85	2			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	17.2	ug/L	34	10	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	46.3	ug/L	93	2			70 (69)	130 (101)	20 (20)
	Caprolactam	50	43.6	ug/L	87	9			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	44.5	ug/L	89	3			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	38.5	ug/L	77	2			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	190	ug/L	190	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	48.5	ug/L	97	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	48.6	ug/L	97	3			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	44.0	ug/L	88	0			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	45.7	ug/L	91	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	49.2	ug/L	98	5			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	43.8	ug/L	88	4			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	48.5	ug/L	97	2			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	46.1	ug/L	92	4			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	39.1	ug/L	78	2			70 (28)	130 (100)	20 (20)
	Acenaphthene	50	43.3	ug/L	87	2			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	99.7	ug/L	100	7			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	98.6	ug/L	99	11			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	42.4	ug/L	85	3			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	48.2	ug/L	96	7			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	42.1	ug/L	84	1			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	43.8	ug/L	88	2			70 (61)	130 (104)	20 (20)
	Fluorene	50	44.6	ug/L	89	4			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	46.6	ug/L	93	7			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	48.1	ug/L	96	2			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	47.5	ug/L	95	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	46.4	ug/L	93	4			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1812

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BP024340.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167625BSD	Hexachlorobenzene	50	47.5	ug/L	95	2			70 (73)	130 (106)	20 (20)
	Atrazine	50	64.9	ug/L	130	3			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	96.5	ug/L	97	2			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	45.9	ug/L	92	2			70 (62)	130 (109)	20 (20)
	Anthracene	50	49.1	ug/L	98	2			70 (65)	130 (110)	20 (20)
	Carbazole	50	47.2	ug/L	94	4			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	45.6	ug/L	91	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.5	ug/L	89	4			70 (64)	130 (110)	20 (20)
	Pyrene	50	45.4	ug/L	91	0			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	47.7	ug/L	95	2			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	32.3	ug/L	65	3	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.3	ug/L	95	2			70 (62)	130 (107)	20 (20)
	Chrysene	50	46.1	ug/L	92	0			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	46.6	ug/L	93	6			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	50.8	ug/L	102	3			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	43.9	ug/L	88	2			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	45.5	ug/L	91	1			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	50.0	ug/L	100	2			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	50.3	ug/L	101	4			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	49.8	ug/L	100	4			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	47.9	ug/L	96	4			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	45.9	ug/L	92	0			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	39.4	ug/L	79	10			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	45.8	ug/L	92	5			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167625BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1812 SAS No.: Q1812 SDG NO.: Q1812

Lab File ID: BP024338.D Lab Sample ID: PB167625BL

Instrument ID: BNA_P Date Extracted: 04/17/2025

Matrix: (soil/water) Water Date Analyzed: 04/18/2025

Level: (low/med) LOW Time Analyzed: 11:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167625BS	PB167625BS	BP024339.D	04/18/2025
PB167625BSD	PB167625BSD	BP024340.D	04/18/2025
RINSE-EB-PUMP-041525	Q1812-03	BP024341.D	04/18/2025
RINSE-EB-TANK-041525	Q1812-02	BP024330.D	04/17/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q1812 SDG NO.: Q1812

Lab File ID: BP024274.D DFTPP Injection Date: 04/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (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	BP024275.D	04/14/2025	11:06
SSTDICC005	SSTDICC005	BP024276.D	04/14/2025	11:47
SSTDICC010	SSTDICC010	BP024277.D	04/14/2025	12:27
SSTDICC020	SSTDICC020	BP024278.D	04/14/2025	13:08
SSTDICCC040	SSTDICCC040	BP024279.D	04/14/2025	13:49
SSTDICC050	SSTDICC050	BP024280.D	04/14/2025	15:10
SSTDICC060	SSTDICC060	BP024281.D	04/14/2025	16:32
SSTDICC080	SSTDICC080	BP024282.D	04/14/2025	17:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q1812 SDG NO.: Q1812

Lab File ID: BP024319.D DFTPP Injection Date: 04/17/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.6
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	33.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.5
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	30.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	17.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (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
SSTDCCC040	SSTDCCC040	BP024320.D	04/17/2025	10:30
RINSE-EB-TANK-041525	Q1812-02	BP024330.D	04/17/2025	17:23

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q1812 SDG NO.: Q1812

Lab File ID: BP024336.D DFTPP Injection Date: 04/18/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.7
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	35.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.5
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	30.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	16
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (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	BP024337.D	04/18/2025	11:13
PB167625BL	PB167625BL	BP024338.D	04/18/2025	11:54
PB167625BS	PB167625BS	BP024339.D	04/18/2025	12:35
PB167625BSD	PB167625BSD	BP024340.D	04/18/2025	13:15
RINSE-EB-PUMP-041525	Q1812-03	BP024341.D	04/18/2025	14:00

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1812 SAS No.: Q1812 SDG NO.: Q1812

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/17/2025

Lab File ID: BP024320.D Time Analyzed: 10:30

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	303712	7.728	1329210	10.50	880817	14.36
	UPPER LIMIT	607424	8.228	2658420	10.998	1761630	14.857
	LOWER LIMIT	151856	7.228	664605	9.998	440409	13.857
	EPA SAMPLE NO.						
01	RINSE-EB-TANK-041525	219008	7.72	845872	10.50	472895	14.35

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.: Q1812 SAS No.: Q1812 SDG NO.: Q1812

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/17/2025

Lab File ID: BP024320.D Time Analyzed: 10:30

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1702910	17.157	1526870	21.609	1367820	24.962
	UPPER LIMIT	3405820	17.657	3053740	22.109	2735640	25.462
	LOWER LIMIT	851455	16.657	763435	21.109	683910	24.462
	EPA SAMPLE NO.						
01	RINSE-EB-TANK-041525	873718	17.15	1001240	21.60	1187980	24.94

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.: Q1812 SAS No.: Q1812 SDG NO.: Q1812

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/18/2025

Lab File ID: BP024337.D Time Analyzed: 11:13

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	209558	7.722	846848	10.50	515328	14.35
	UPPER LIMIT	419116	8.222	1693700	10.998	1030660	14.851
	LOWER LIMIT	104779	7.222	423424	9.998	257664	13.851
	EPA SAMPLE NO.						
01	PB167625BL	245010	7.73	973174	10.50	589955	14.36
02	PB167625BS	270101	7.73	1100500	10.50	654722	14.35
03	PB167625BSD	220196	7.72	880701	10.50	530682	14.35
04	RINSE-EB-PUMP-041525	245628	7.72	957873	10.49	592191	14.35

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.: Q1812 SAS No.: Q1812 SDG NO.: Q1812

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/18/2025

Lab File ID: BP024337.D Time Analyzed: 11:13

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1022760	17.145	1136570	21.592	1339840	24.933
	UPPER LIMIT	2045520	17.645	2273140	22.092	2679680	25.433
	LOWER LIMIT	511380	16.645	568285	21.092	669920	24.433
	EPA SAMPLE NO.						
01	PB167625BL	1105810	17.16	1122370	21.61	1307380	24.95
02	PB167625BS	1166740	17.15	1153640	21.59	1393020	24.94
03	PB167625BSD	995933	17.15	1041090	21.60	1268640	24.95
04	RINSE-EB-PUMP-041525	1115830	17.15	1285890	21.58	1540700	24.92

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.

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/15/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/15/25
Client Sample ID:	RINSE-EB-TANK-041525	SDG No.:	Q1812
Lab Sample ID:	Q1812-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	910 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024330.D	1	04/17/25 10:40	04/17/25 17:23	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.30	U	4.30	11.0	ug/L
108-95-2	Phenol	1.00	U	1.00	5.50	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.89	U	0.89	5.50	ug/L
95-57-8	2-Chlorophenol	0.64	U	0.64	5.50	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.50	ug/L
98-86-2	Acetophenone	0.81	U	0.81	5.50	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	11.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.70	ug/L
67-72-1	Hexachloroethane	0.71	U	0.71	5.50	ug/L
98-95-3	Nitrobenzene	0.84	U	0.84	5.50	ug/L
78-59-1	Isophorone	0.82	U	0.82	5.50	ug/L
88-75-5	2-Nitrophenol	1.90	U	1.90	5.50	ug/L
105-67-9	2,4-Dimethylphenol	2.00	UQ	2.00	5.50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.75	U	0.75	5.50	ug/L
120-83-2	2,4-Dichlorophenol	0.57	U	0.57	5.50	ug/L
91-20-3	Naphthalene	0.55	U	0.55	5.50	ug/L
106-47-8	4-Chloroaniline	0.92	UQ	0.92	5.50	ug/L
87-68-3	Hexachlorobutadiene	0.59	U	0.59	5.50	ug/L
105-60-2	Caprolactam	1.20	U	1.20	11.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.65	U	0.65	5.50	ug/L
91-57-6	2-Methylnaphthalene	0.62	U	0.62	5.50	ug/L
77-47-4	Hexachlorocyclopentadiene	4.00	UQ	4.00	11.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.56	U	0.56	5.50	ug/L
95-95-4	2,4,5-Trichlorophenol	0.68	U	0.68	5.50	ug/L
92-52-4	1,1-Biphenyl	0.58	U	0.58	5.50	ug/L
91-58-7	2-Chloronaphthalene	0.67	U	0.67	5.50	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.50	ug/L
131-11-3	Dimethylphthalate	0.67	U	0.67	5.50	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/15/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/15/25
Client Sample ID:	RINSE-EB-TANK-041525	SDG No.:	Q1812
Lab Sample ID:	Q1812-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	910 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024330.D	1	04/17/25 10:40	04/17/25 17:23	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.82	U	0.82	5.50	ug/L
606-20-2	2,6-Dinitrotoluene	1.00	U	1.00	5.50	ug/L
99-09-2	3-Nitroaniline	1.20	U	1.20	5.50	ug/L
83-32-9	Acenaphthene	0.60	U	0.60	5.50	ug/L
51-28-5	2,4-Dinitrophenol	6.60	U	6.60	11.0	ug/L
100-02-7	4-Nitrophenol	2.60	U	2.60	11.0	ug/L
132-64-9	Dibenzofuran	0.67	U	0.67	5.50	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.50	ug/L
84-66-2	Diethylphthalate	0.76	U	0.76	5.50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.75	U	0.75	5.50	ug/L
86-73-7	Fluorene	0.69	U	0.69	5.50	ug/L
100-01-6	4-Nitroaniline	1.60	U	1.60	5.50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.20	U	3.20	11.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.64	U	0.64	5.50	ug/L
101-55-3	4-Bromophenyl-phenylether	0.44	U	0.44	5.50	ug/L
118-74-1	Hexachlorobenzene	0.57	U	0.57	5.50	ug/L
1912-24-9	Atrazine	1.10	U	1.10	5.50	ug/L
87-86-5	Pentachlorophenol	1.70	U	1.70	11.0	ug/L
85-01-8	Phenanthrene	0.55	U	0.55	5.50	ug/L
120-12-7	Anthracene	0.67	U	0.67	5.50	ug/L
86-74-8	Carbazole	0.79	U	0.79	5.50	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.50	ug/L
206-44-0	Fluoranthene	0.90	U	0.90	5.50	ug/L
129-00-0	Pyrene	0.55	U	0.55	5.50	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.50	ug/L
91-94-1	3,3-Dichlorobenzidine	1.00	UQ	1.00	11.0	ug/L
56-55-3	Benzo(a)anthracene	0.49	U	0.49	5.50	ug/L
218-01-9	Chrysene	0.48	U	0.48	5.50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.80	U	1.80	5.50	ug/L
117-84-0	Di-n-octyl phthalate	2.60	U	2.60	11.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.54	U	0.54	5.50	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/15/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/15/25
Client Sample ID:	RINSE-EB-TANK-041525	SDG No.:	Q1812
Lab Sample ID:	Q1812-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	910 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024330.D	1	04/17/25 10:40	04/17/25 17:23	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.53	U	0.53	5.50	ug/L
50-32-8	Benzo(a)pyrene	0.60	U	0.60	5.50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.65	U	0.65	5.50	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.74	U	0.74	5.50	ug/L
191-24-2	Benzo(g,h,i)perylene	0.76	U	0.76	5.50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.57	U	0.57	5.50	ug/L
123-91-1	1,4-Dioxane	1.10	U	1.10	5.50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.50	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	55.2		15 (10) - 110 (139)	37%	SPK: 150
13127-88-3	Phenol-d6	21.3	*	15 (10) - 110 (134)	14%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.2		30 (49) - 130 (133)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.4		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		15 (44) - 110 (137)	73%	SPK: 150
1718-51-0	Terphenyl-d14	89.8		30 (48) - 130 (125)	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	219000	7.722			
1146-65-2	Naphthalene-d8	846000	10.498			
15067-26-2	Acenaphthene-d10	473000	14.351			
1517-22-2	Phenanthrene-d10	874000	17.151			
1719-03-5	Chrysene-d12	1000000	21.598			
1520-96-3	Perylene-d12	1190000	24.939			
TENTATIVE IDENTIFIED COMPOUNDS						
000503-60-6	2-Butene, 1-chloro-3-methyl-	31.5	J		3.16	ug/L
001985-88-2	1,1-Dimethyl-3-chloropropanol	68.6	J		4.47	ug/L
000507-45-9	Butane, 2,3-dichloro-2-methyl-	9.90	J		4.76	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.80	AB		4.89	ug/L
	unknown4.969	3.80	J		4.97	ug/L
000111-76-2	Ethanol, 2-butoxy-	40.0	J		5.84	ug/L
	unknown7.269	23.0	J		7.27	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/15/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/15/25
Client Sample ID:	RINSE-EB-TANK-041525	SDG No.:	Q1812
Lab Sample ID:	Q1812-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	910 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024330.D	1	04/17/25 10:40	04/17/25 17:23	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
189130-85-6	3-(Chloromethyl)-5-isobutyl-1,2,4-	12.0	J		10.4	ug/L
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	3.80	J		13.3	ug/L

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_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Time: Apr 17 18:03:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

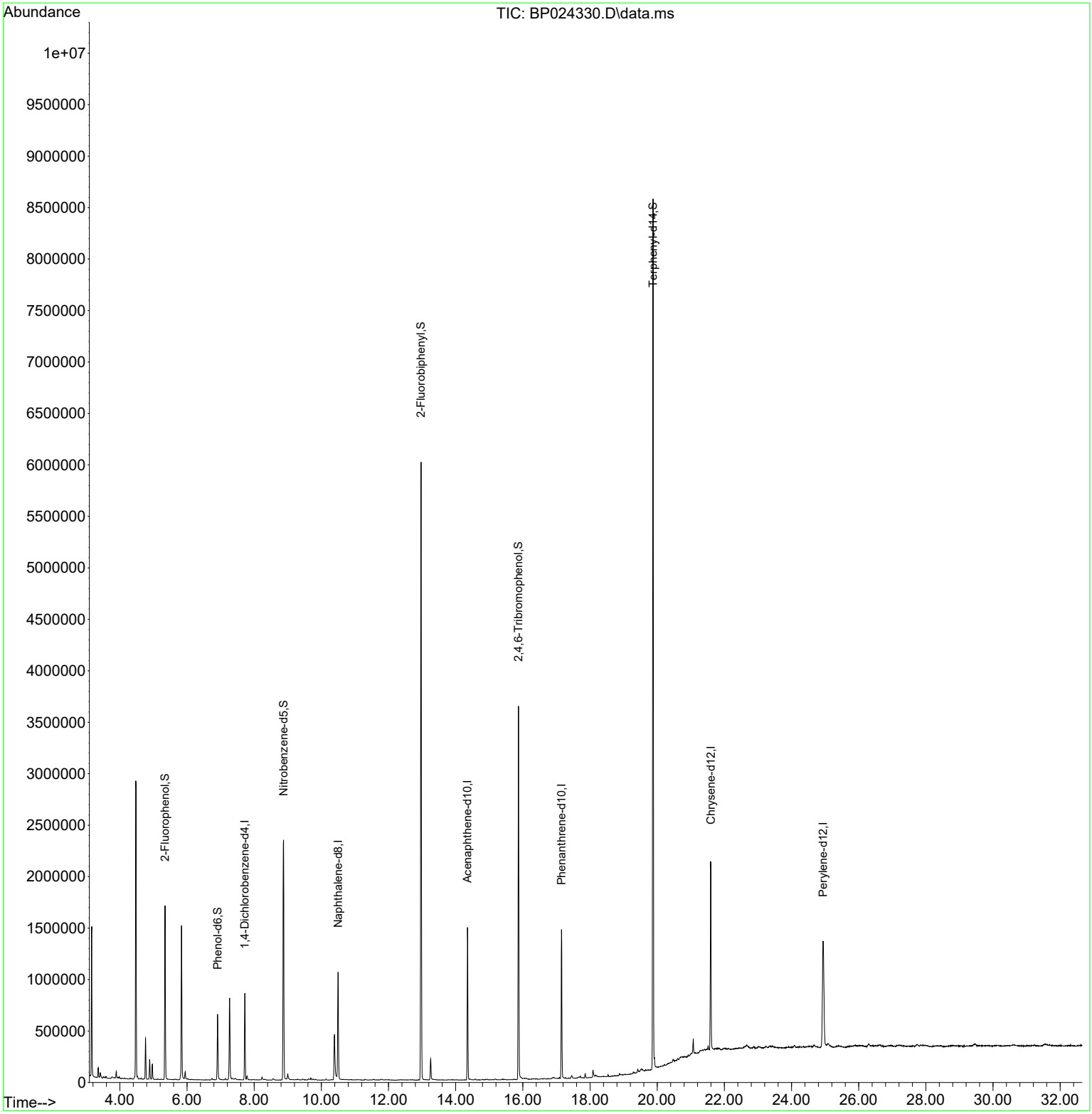
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	219008	20.000	ng	0.00
21) Naphthalene-d8	10.498	136	845872	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	472895	20.000	ng	-0.02
64) Phenanthrene-d10	17.151	188	873718	20.000	ng	-0.03
76) Chrysene-d12	21.598	240	1001236	20.000	ng	-0.02
86) Perylene-d12	24.939	264	1187976	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	731336	55.214	ng	0.00
7) Phenol-d6	6.910	99	385741	21.268	ng	0.00
23) Nitrobenzene-d5	8.875	82	1456010	98.151	ng	0.00
42) 2,4,6-Tribromophenol	15.869	330	717031	109.592	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	3008090	97.394	ng	-0.01
79) Terphenyl-d14	19.874	244	4459717	89.781	ng	-0.05
Target Compounds						Qvalue

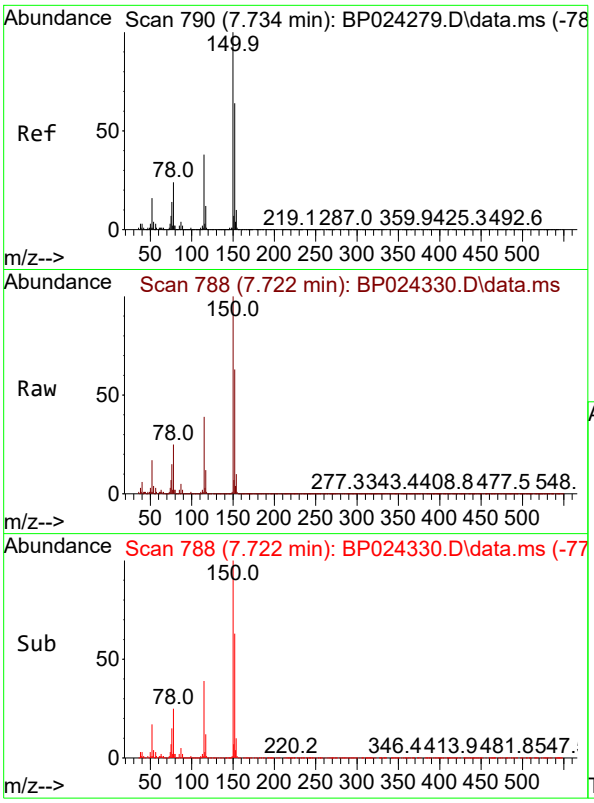
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Time: Apr 17 18:03:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



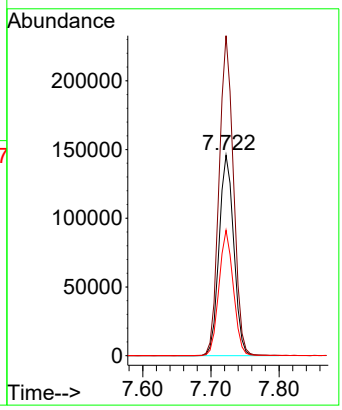


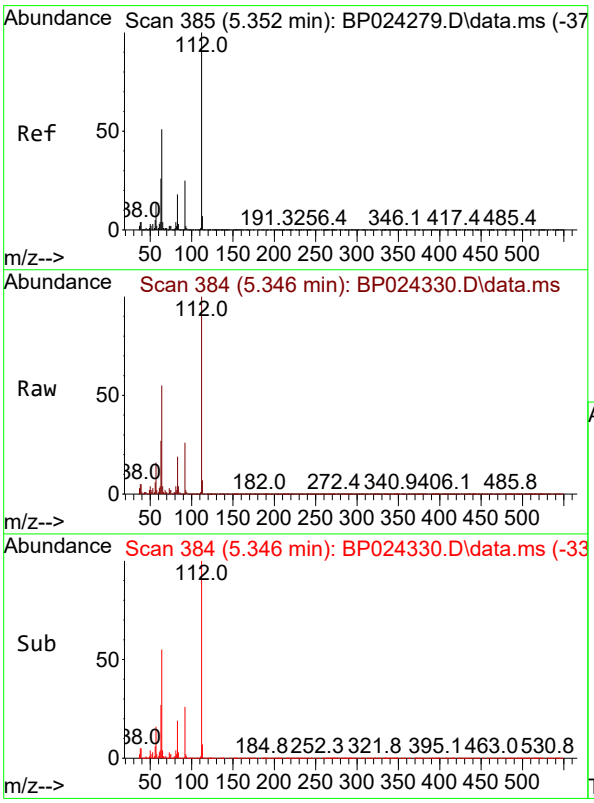
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Tgt Ion:152 Resp: 219008

Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.9	187.3
115	62.5	47.7	71.5

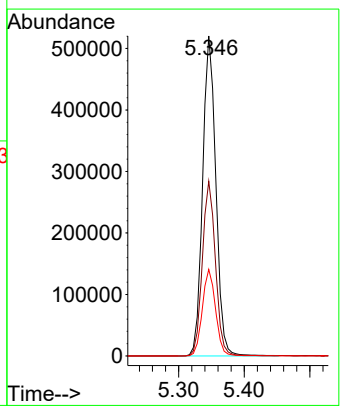


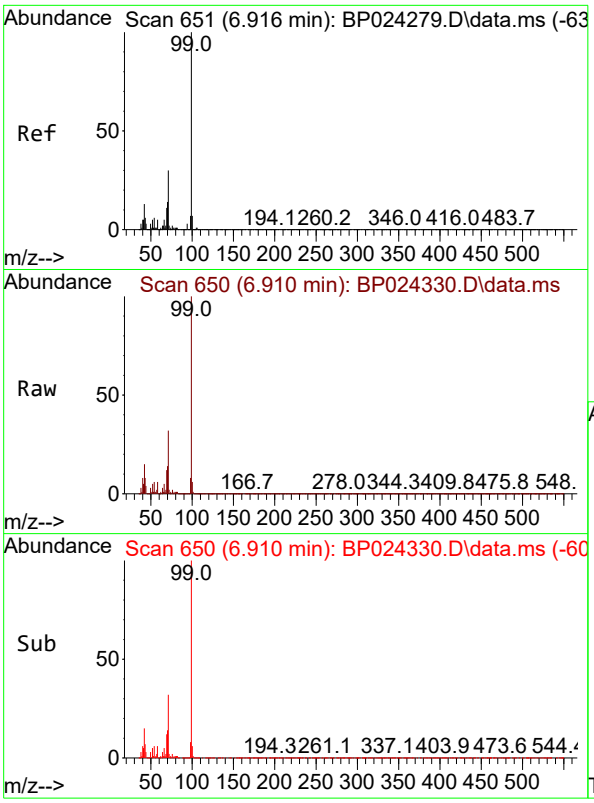


#5
2-Fluorophenol
Concen: 55.214 ng
RT: 5.346 min Scan# 384
Delta R.T. -0.006 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Tgt Ion:112 Resp: 731336

Ion	Ratio	Lower	Upper
112	100		
64	54.6	41.1	61.7
63	27.0	20.6	30.8



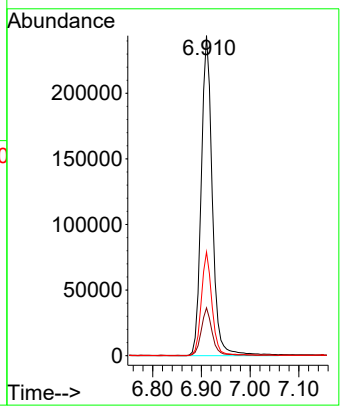


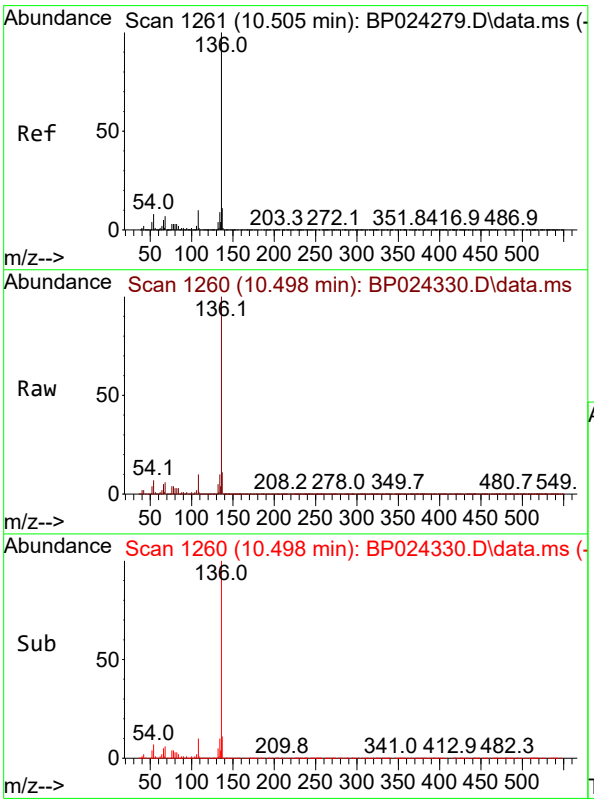
#7
Phenol-d6
Concen: 21.268 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Tgt Ion: 99 Resp: 385741

Ion	Ratio	Lower	Upper
99	100		
42	14.9	10.6	16.0
71	32.4	23.7	35.5

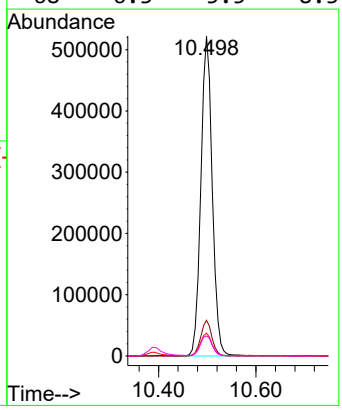


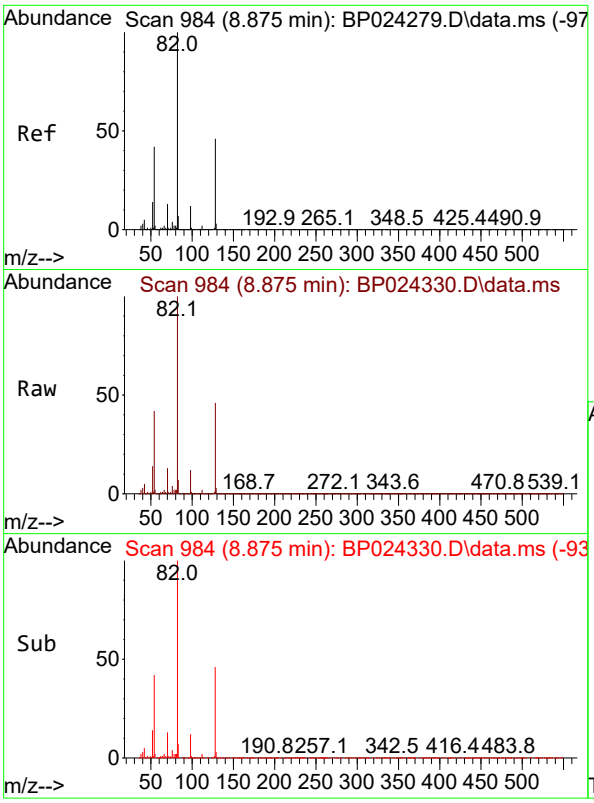


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Tgt Ion:136 Resp: 845872

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.1	6.0	9.0
68	6.3	5.5	8.3



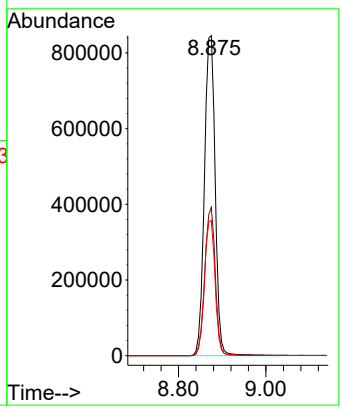


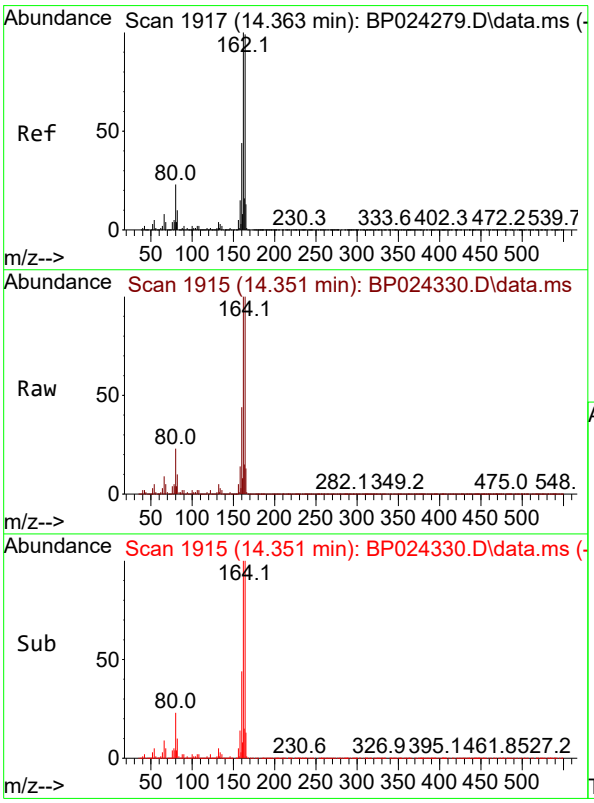
#23
Nitrobenzene-d5
Concen: 98.151 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Tgt Ion: 82 Resp: 1456010

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.5	54.7
54	42.3	33.4	50.2

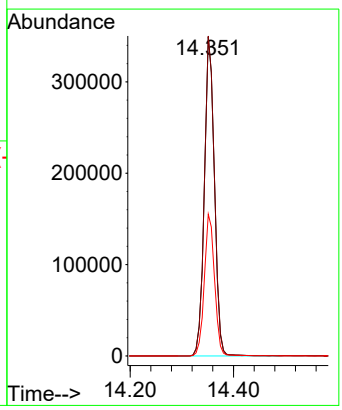


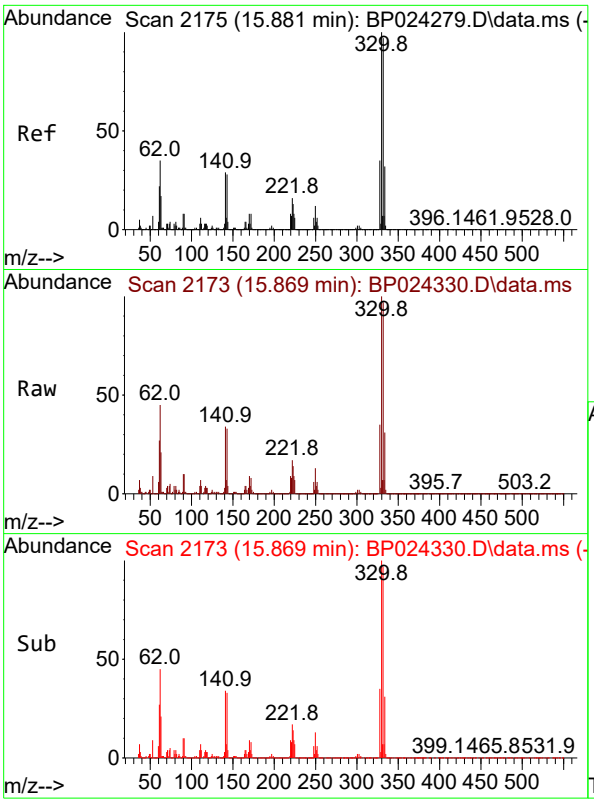


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.018 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Tgt Ion:164 Resp: 472895

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	44.4	35.3	52.9



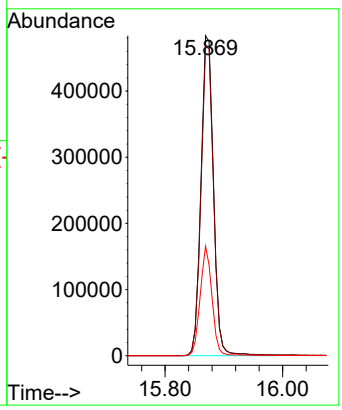


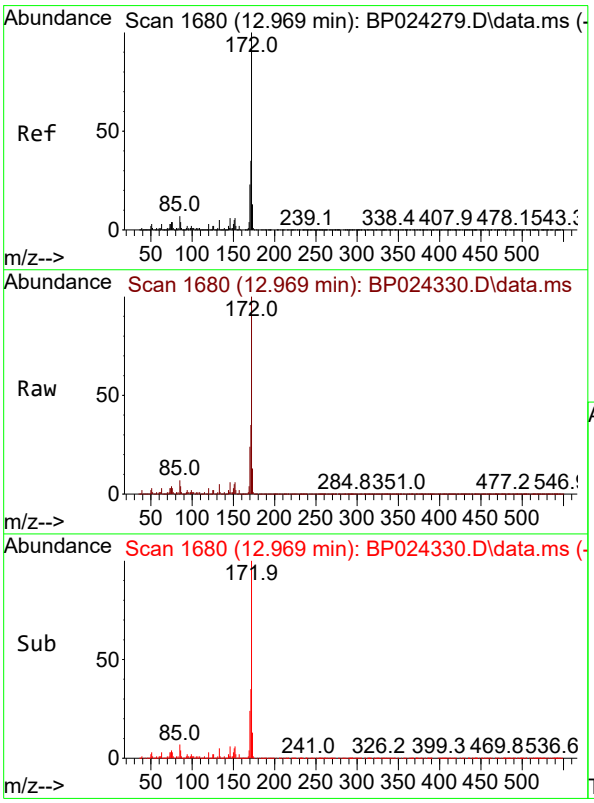
#42
2,4,6-Tribromophenol
Concen: 109.592 ng
RT: 15.869 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Tgt Ion:330 Resp: 717031

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	32.4	24.7	37.1

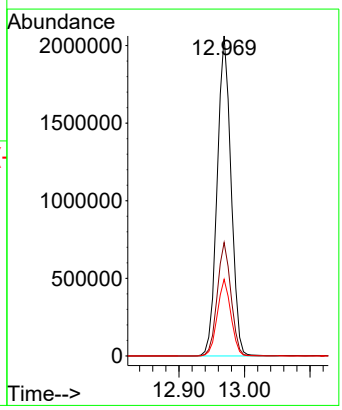


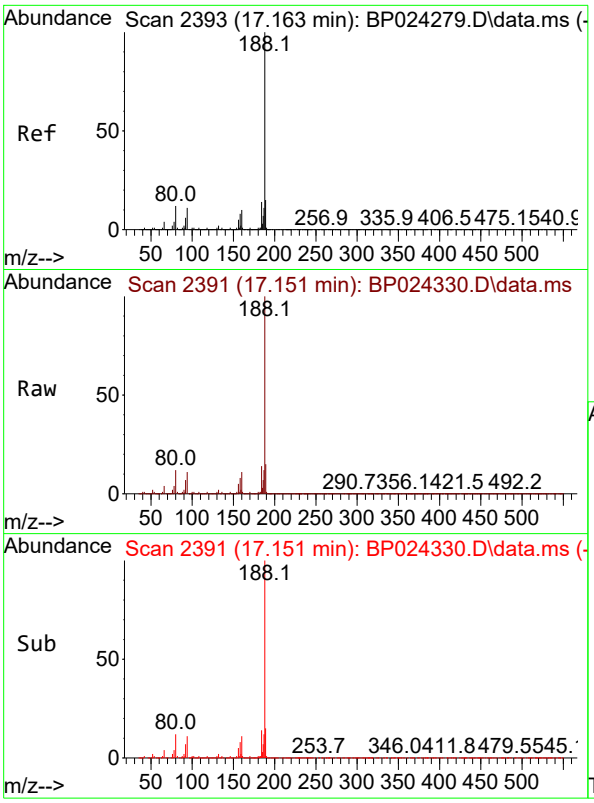


#45
2-Fluorobiphenyl
Concen: 97.394 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Tgt Ion:172 Resp: 3008090

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.9	18.6	27.8



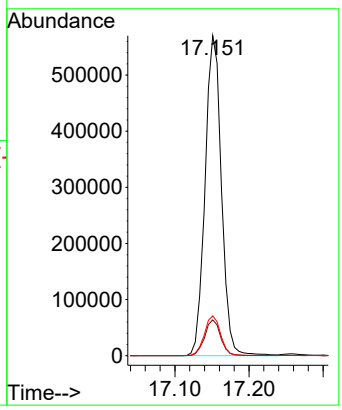


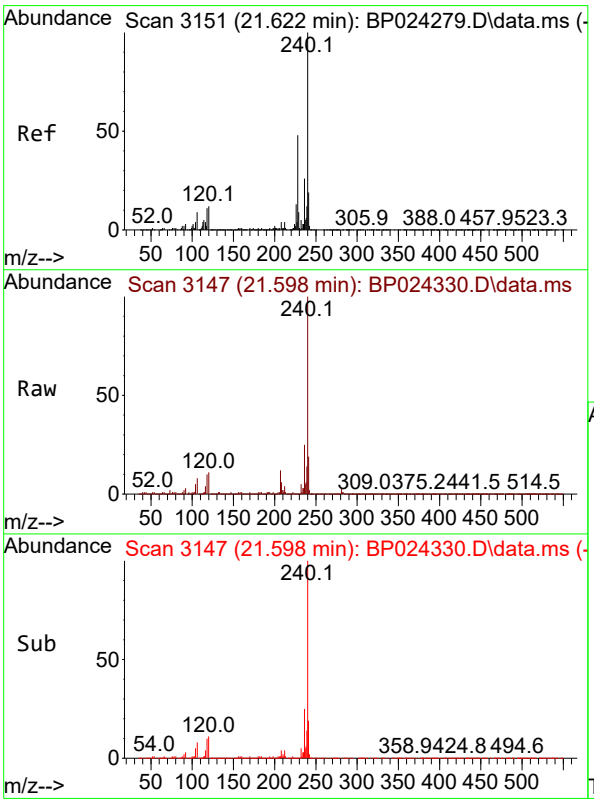
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Tgt Ion:188 Resp: 873718

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.6	13.0
80	12.5	9.8	14.6

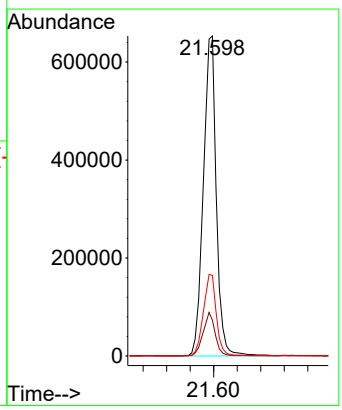


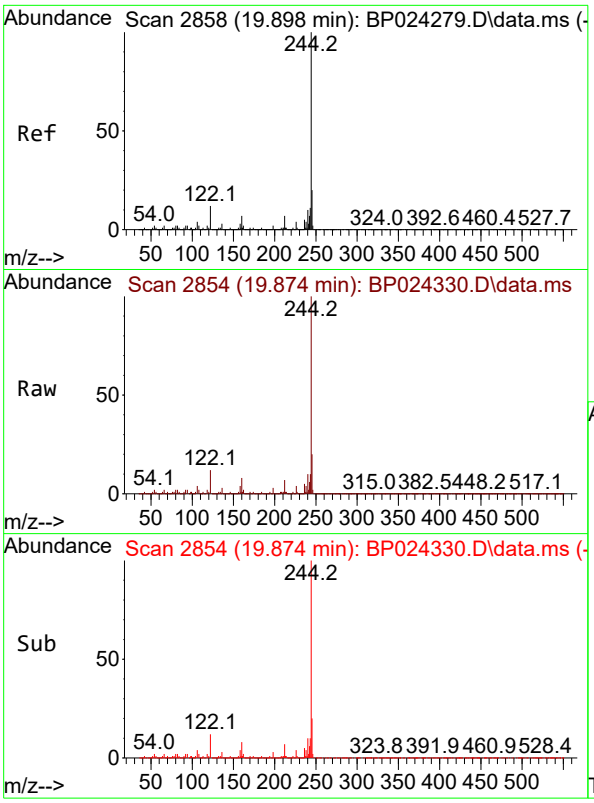


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.598 min Scan# 3147
Delta R.T. -0.024 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Tgt Ion:240 Resp: 1001236

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.8	14.8
236	25.2	20.9	31.3



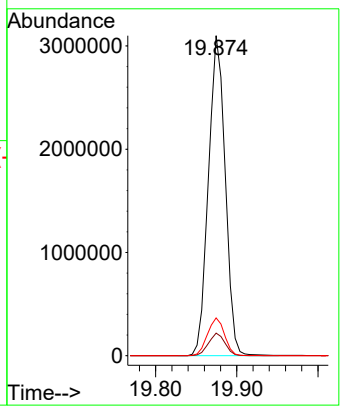


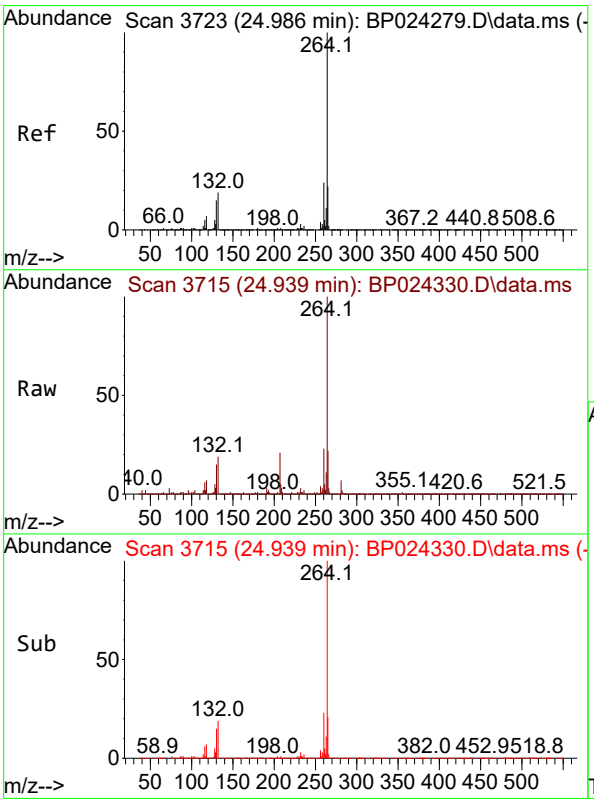
#79
Terphenyl-d14
Concen: 89.781 ng
RT: 19.874 min Scan# 2
Delta R.T. -0.047 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Tgt Ion:244 Resp: 4459717

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.0

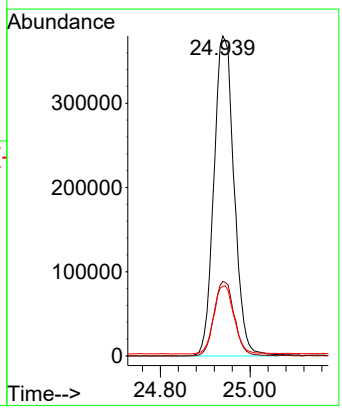




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.939 min Scan# 3715
Delta R.T. -0.047 min
Lab File: BP024330.D
Acq: 17 Apr 2025 17:23

Tgt Ion:264 Resp: 1187976

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.8	17.8	26.6



Sample Results: **BP024330.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

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_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024330.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.164	8	13	25	rVB	1460588	1790075	14.68%	3.057%
2	4.475	231	236	243	rVB	2875965	3905898	32.03%	6.670%
3	4.764	280	285	298	rVB	395298	564270	4.63%	0.964%
4	4.887	301	306	314	rVV	193239	274903	2.25%	0.469%
5	4.969	314	320	329	rVB	147848	215423	1.77%	0.368%
6	5.346	377	384	394	rBV	1688742	2356237	19.32%	4.024%
7	5.840	454	468	480	rBV	1498229	2276925	18.67%	3.888%
8	6.910	640	650	660	rBV	637710	1001930	8.22%	1.711%
9	7.269	700	711	720	rBV	795794	1307086	10.72%	2.232%
10	7.722	780	788	795	rBV	841194	1250926	10.26%	2.136%
11	8.875	976	984	995	rBV	2331243	3995812	32.76%	6.824%
12	10.393	1235	1242	1253	rBV	442062	946713	7.76%	1.617%
13	10.498	1253	1260	1275	rVB	1042943	1737808	14.25%	2.968%
14	12.969	1672	1680	1694	rBV	6003600	8743801	71.70%	14.932%
15	13.257	1722	1729	1739	rBV	204295	347672	2.85%	0.594%
16	14.351	1908	1915	1923	rBV	1482223	2020948	16.57%	3.451%
17	15.869	2166	2173	2193	rBV	3629364	5236157	42.93%	8.942%
18	17.151	2384	2391	2405	rBV2	1448596	2235333	18.33%	3.817%
19	18.086	2546	2550	2560	rBV2	66639	137785	1.13%	0.235%
20	19.874	2848	2854	2860	rBV	8452740	12195682	100.00%	20.827%
21	21.074	3054	3058	3064	rVB2	140428	179905	1.48%	0.307%
22	21.592	3140	3146	3159	rBV	1830684	2783773	22.83%	4.754%
23	24.939	3707	3715	3728	rVB2	1007608	3052412	25.03%	5.213%

Sum of corrected areas: 58557474

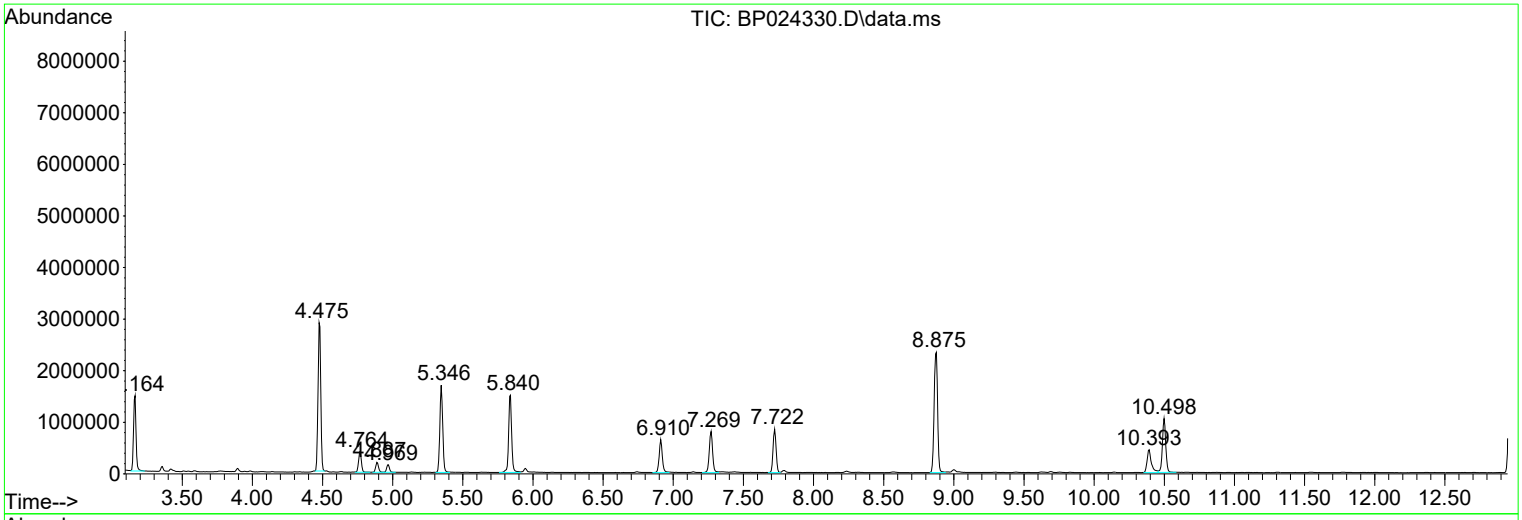
Sample Results: **BP024330.D**

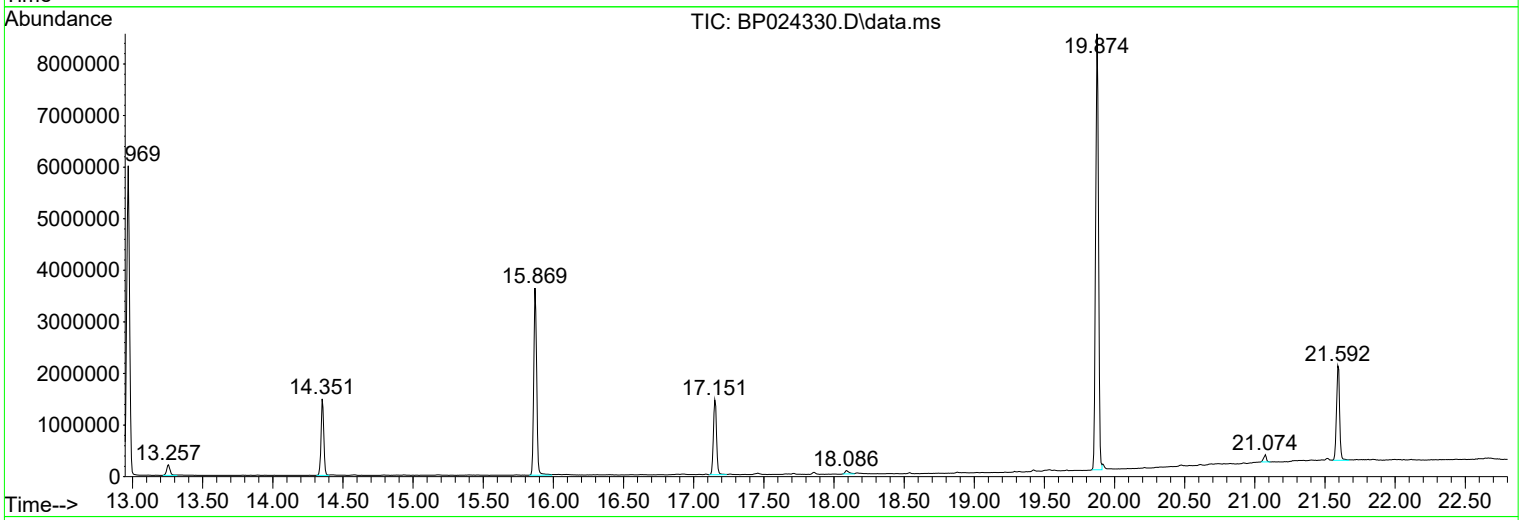
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

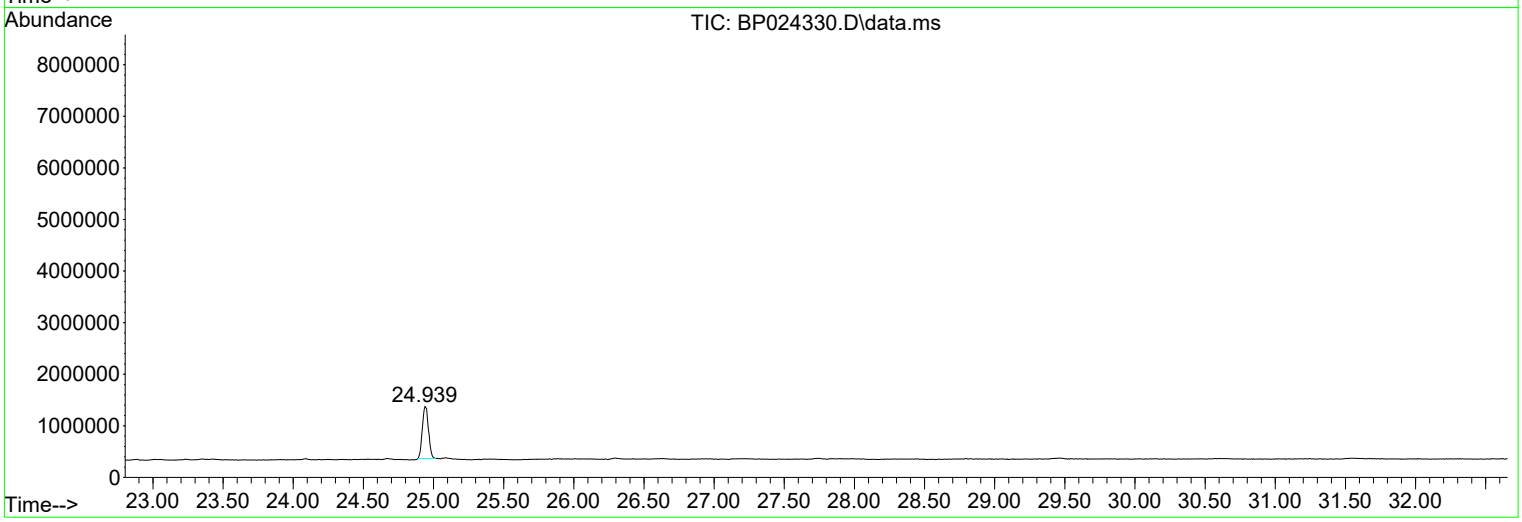
Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

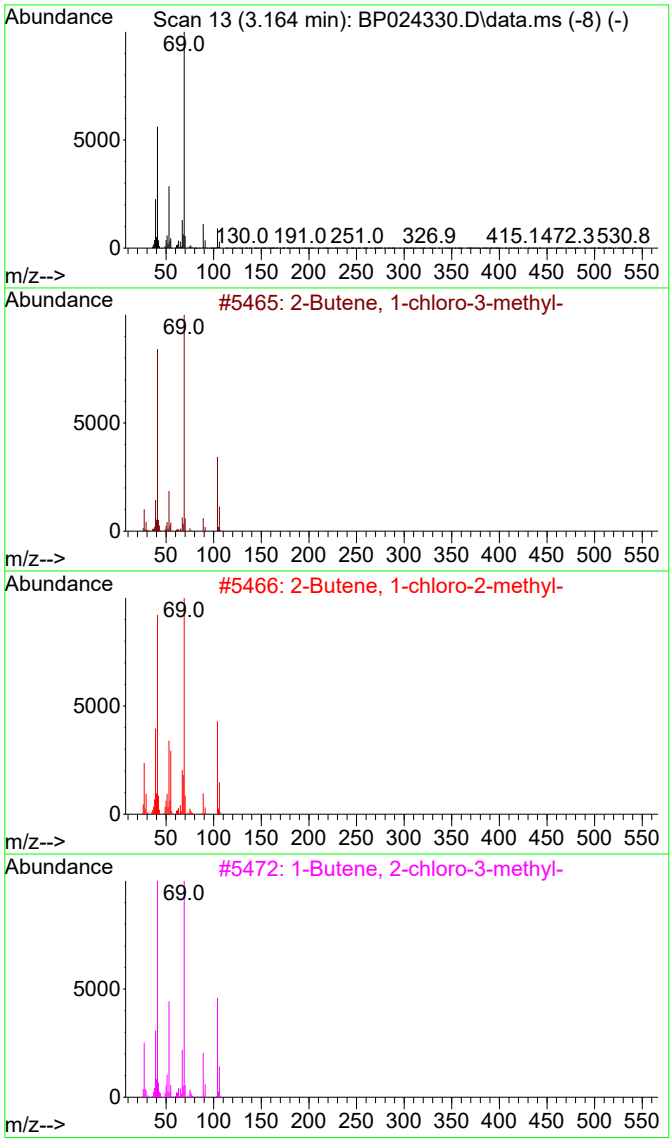
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

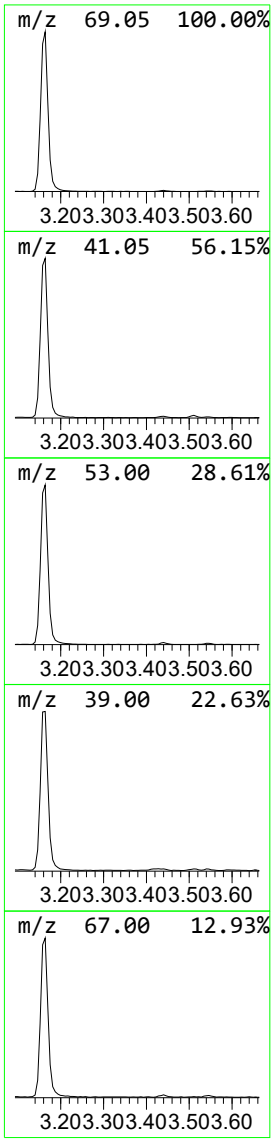
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Butene, 1-chloro-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.164	28.62 ng	1790080	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-chloro-3-methyl-	104	C5H9Cl	000503-60-6	72
2	2-Butene, 1-chloro-2-methyl-	104	C5H9Cl	013417-43-1	50
3	1-Butene, 2-chloro-3-methyl-	104	C5H9Cl	017773-64-7	50
4	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	014617-88-0	43
5	Trifluoroacetyl-lavandulol	250	C12H17F3O2	028673-24-7	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

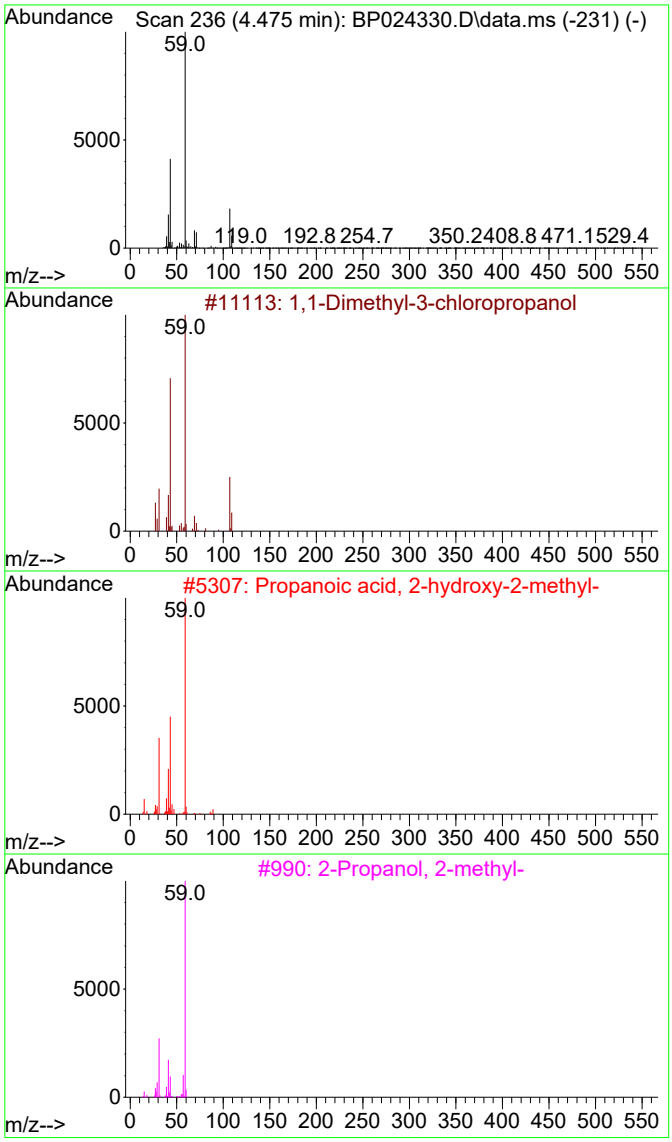
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TIC Integration Parameters: LSCINT.P

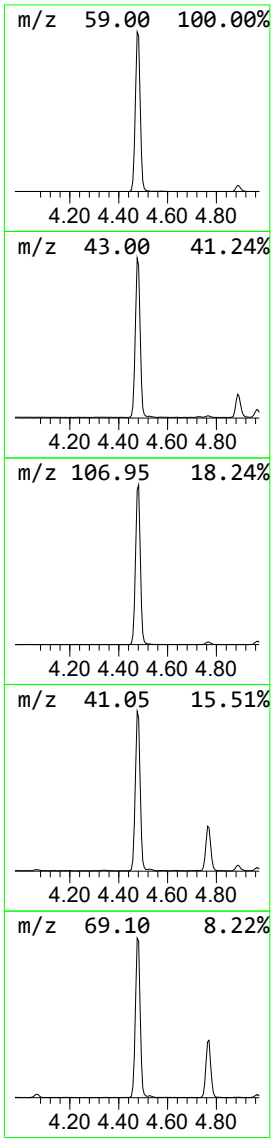
****

Peak Number 2 1,1-Dimethyl-3-chloropropanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.475	62.45 ng	3905900	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dimethyl-3-chloropropanol	122	C5H11ClO	001985-88-2	83
2	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	45
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	40
4	Propanoic acid, 2-hydroxy-2-meth...	118	C5H10O3	002110-78-3	38
5	4-Methyl-2-pentanol, methyl ether	116	C7H16O	1000333-93-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

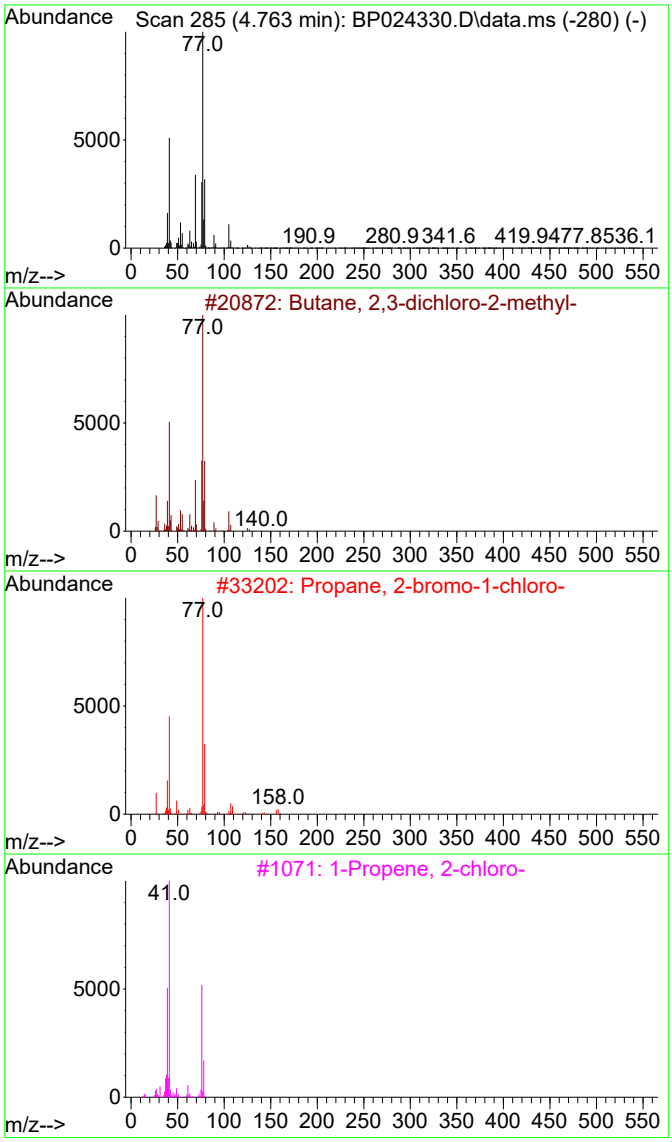
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

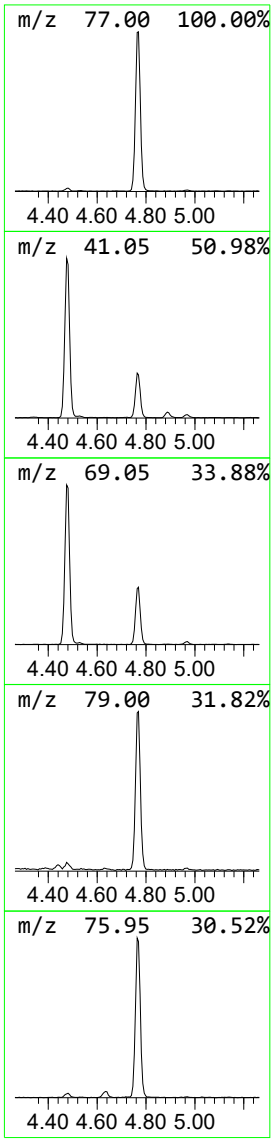
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Butane, 2,3-dichloro-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.763	9.02 ng	564270	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dichloro-2-methyl-	140	C5H10Cl2	000507-45-9	90
2	Propane, 2-bromo-1-chloro-	156	C3H6BrCl	003017-95-6	50
3	1-Propene, 2-chloro-	76	C3H5Cl	000557-98-2	10
4	trans-1-Chloropropene	76	C3H5Cl	016136-85-9	9
5	Allyl chloride	76	C3H5Cl	000107-05-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

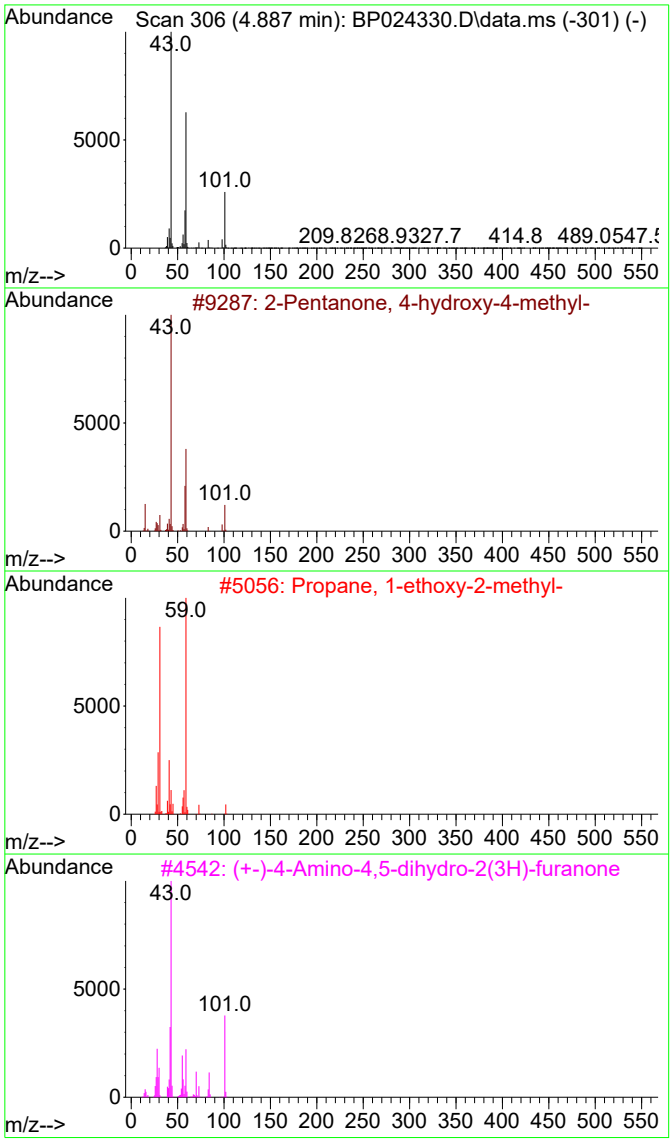
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

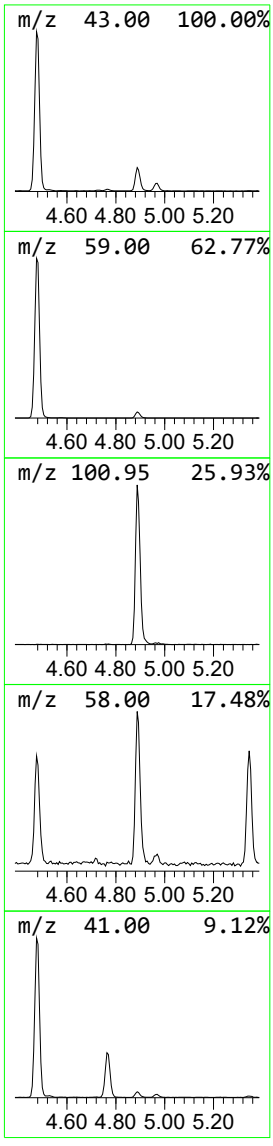
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	4.40 ng	274903	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	35
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	32
4	DL-Lactamide, N,N-dimethyl-, met...	131	C6H13NO2	1000452-57-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

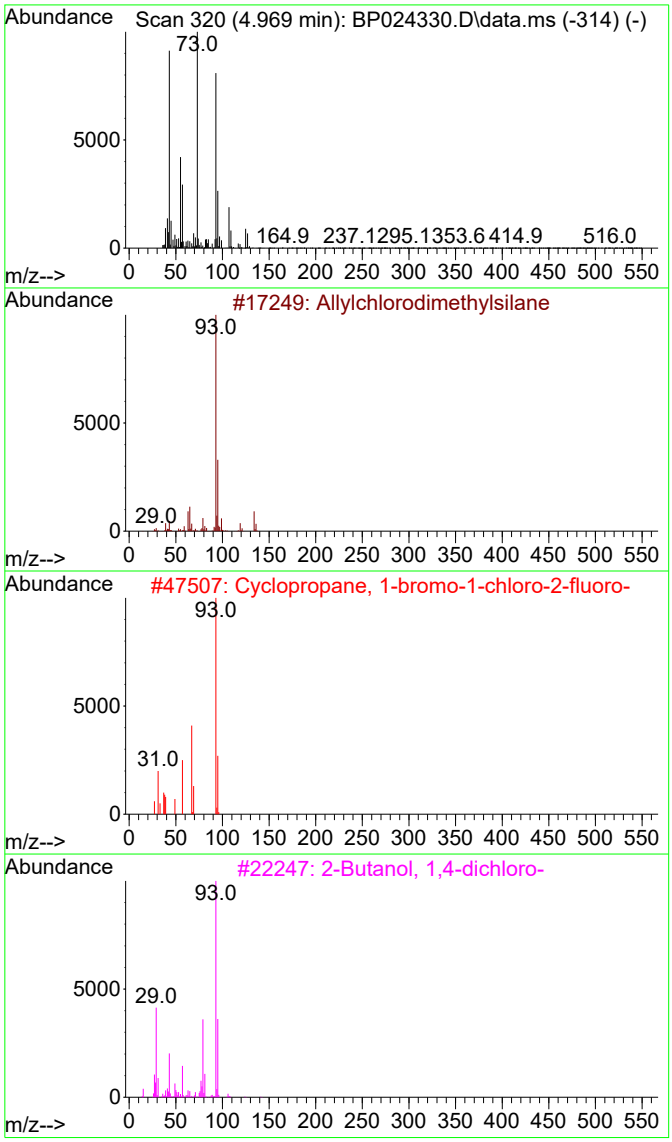
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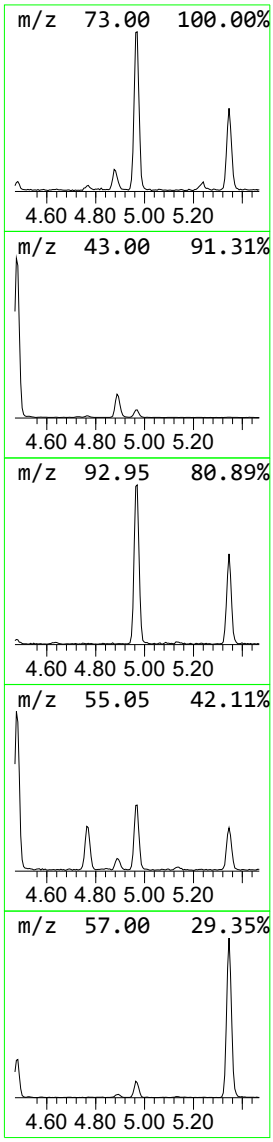
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Peak Number 5 unknown4.969 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.969	3.44 ng	215423	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allylchlorodimethylsilane	134	C5H11ClSi	004028-23-3	47
2	Cyclopropane, 1-bromo-1-chloro-2...	172	C3H3BrClF	024071-59-8	40
3	2-Butanol, 1,4-dichloro-	142	C4H8Cl2O	002419-74-1	33
4	2-Carene, 4-acetyl-	178	C12H18O	1000163-28-1	23
5	.alpha.-Phellandrene	136	C10H16	000099-83-2	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

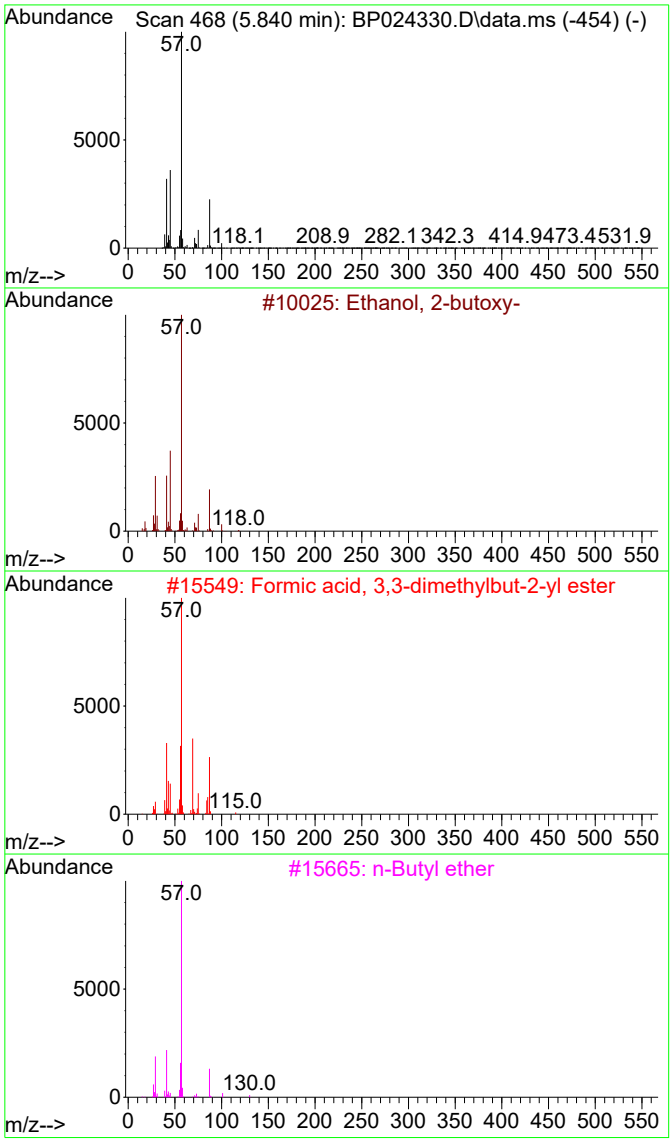
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TIC Integration Parameters: LSCINT.P

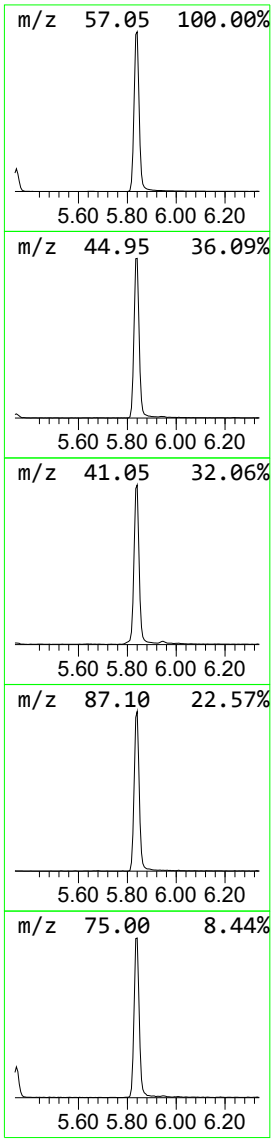
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Peak Number 6 Ethanol, 2-butoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.840	36.40 ng	2276930	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	78
2	Formic acid, 3,3-dimethylbut-2-y...	130	C7H14O2	1000368-20-5	50
3	n-Butyl ether	130	C8H18O	000142-96-1	43
4	Propane, 1-(chloromethoxy)-2-met...	122	C5H11ClO	034180-11-5	43
5	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

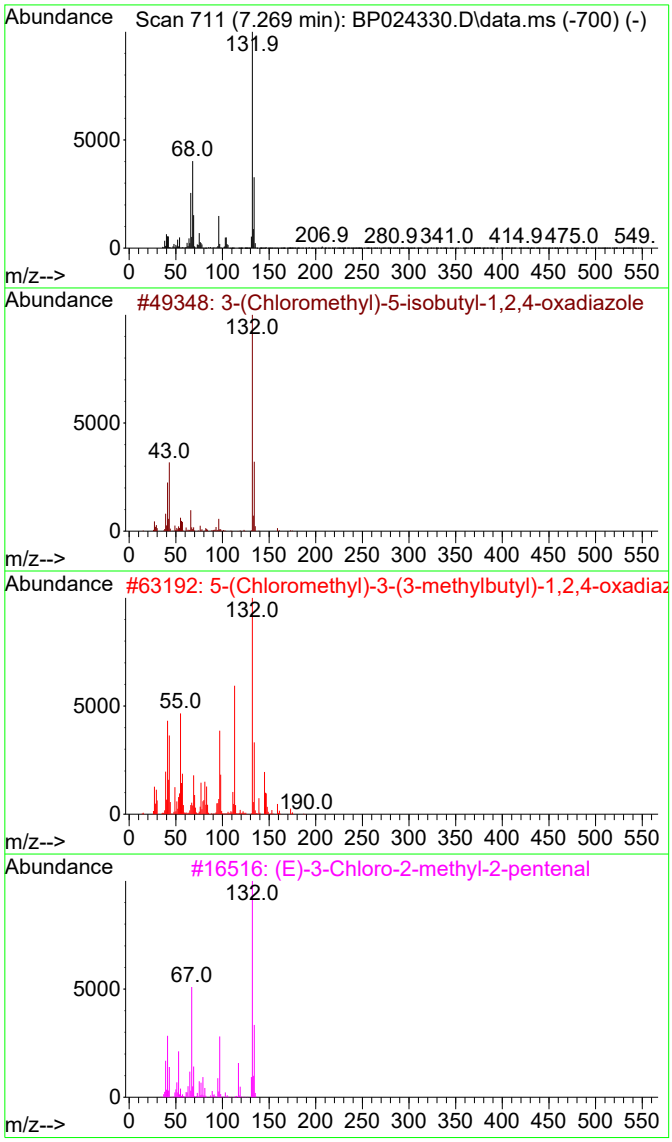
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TIC Integration Parameters: LSCINT.P

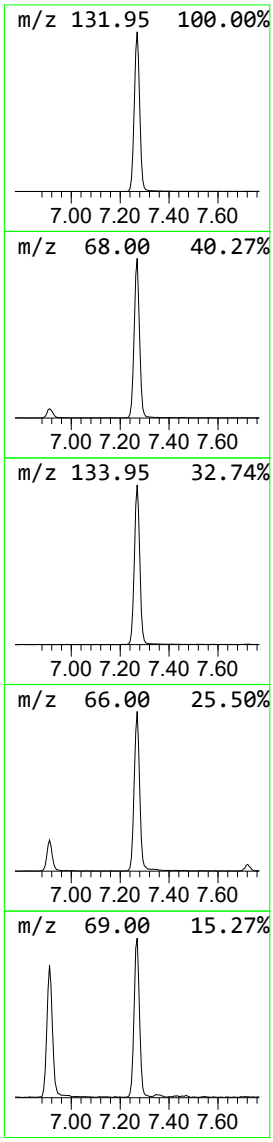
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Peak Number 7 unknown7.269 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.269	20.90 ng	1307090	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(Chloromethyl)-5-isobutyl-1,2,...	174	C7H11ClN2O	189130-85-6	25
2	5-(Chloromethyl)-3-(3-methylbuty...	188	C8H13ClN2O	1209200-59-8	17
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	1-Phenyl-1,2,3,4-tetrahydroisoqu...	209	C15H15N	022990-19-8	12
5	3H-Benzo[4,5]imidazo[1,2-c]oxazo...	218	C12H14N2O2	1000316-99-9	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

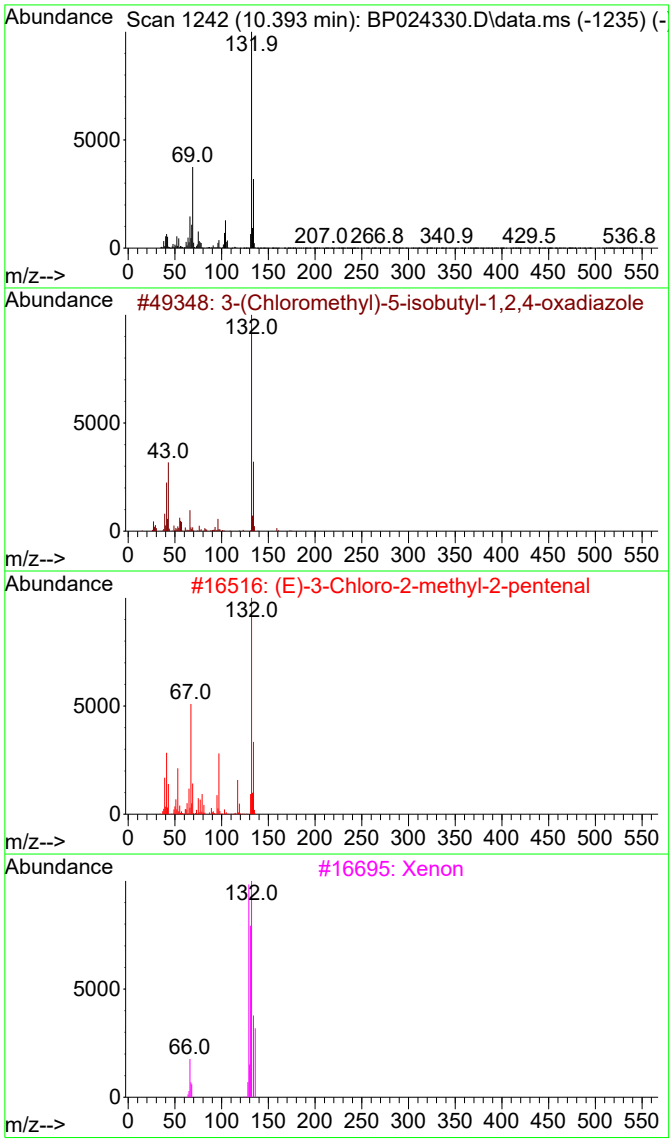
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

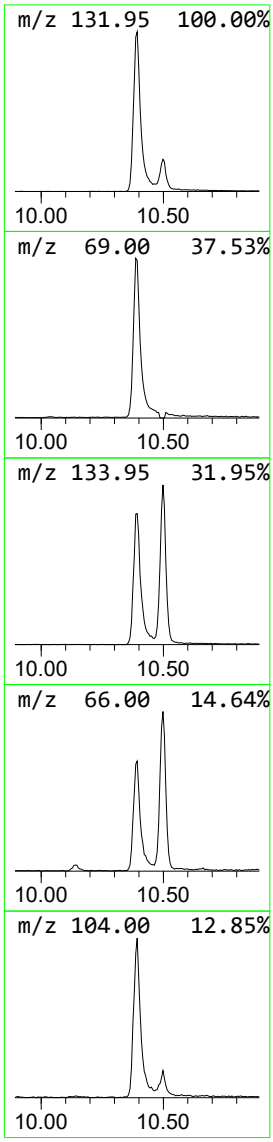
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 3-(Chloromethyl)-5-isobutyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.393	10.90 ng	946713	Naphthalene-d8	10.499

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(Chloromethyl)-5-isobutyl-1,2,...	174	C7H11ClN2O	189130-85-6	59
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	59
3	Xenon	132	Xe	007440-63-3	53
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	53
5	5-Methylimidazo[1,2-a]pyridine	132	C8H8N2	000933-69-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

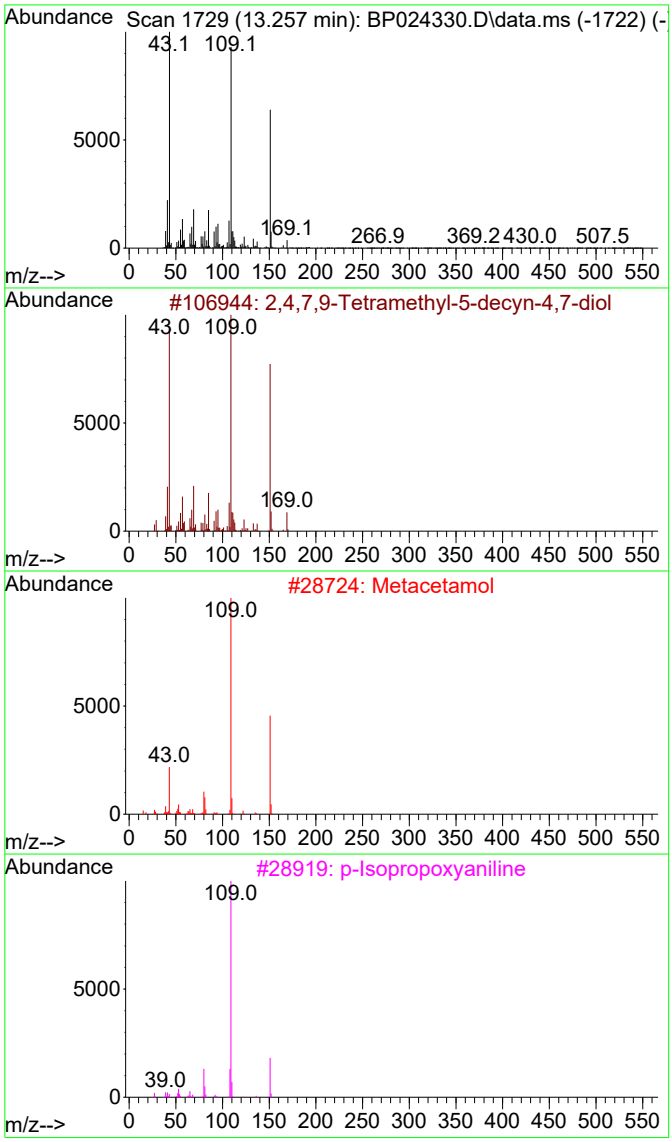
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

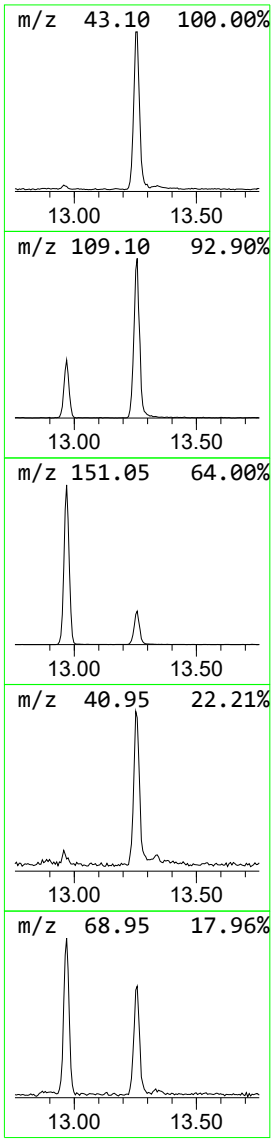
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Peak Number 9 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	3.44 ng	347672	Acenaphthene-d10	14.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	58
3	p-Isopropoxyaniline	151	C9H13NO	007664-66-6	53
4	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	43
5	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024330.D
Acq On : 17 Apr 2025 17:23
Operator : RC/JU
Sample : Q1812-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-TANK-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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-Butene, 1-chl...	3.164	28.6	ng	1790080	1	7.722	1250930	20.0
1,1-Dimethyl-3-...	4.475	62.5	ng	3905900	1	7.722	1250930	20.0
Butane, 2,3-dic...	4.763	9.0	ng	564270	1	7.722	1250930	20.0
2-Pentanone, 4-...	4.887	4.4	ng	274903	1	7.722	1250930	20.0
unknown4.969	4.969	3.4	ng	215423	1	7.722	1250930	20.0
Ethanol, 2-butoxy-	5.840	36.4	ng	2276930	1	7.722	1250930	20.0
unknown7.269	7.269	20.9	ng	1307090	1	7.722	1250930	20.0
3-(Chloromethyl...	10.393	10.9	ng	946713	2	10.499	1737810	20.0
2,4,7,9-Tetrame...	13.257	3.4	ng	347672	3	14.351	2020950	20.0

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/15/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/15/25
Client Sample ID:	RINSE-EB-PUMP-041525	SDG No.:	Q1812
Lab Sample ID:	Q1812-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024341.D	1	04/17/25 10:40	04/18/25 14:00	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	UQ	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	UQ	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/15/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/15/25
Client Sample ID:	RINSE-EB-PUMP-041525	SDG No.:	Q1812
Lab Sample ID:	Q1812-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024341.D	1	04/17/25 10:40	04/18/25 14:00	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	17.0		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	3.90	J	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/15/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/15/25
Client Sample ID:	RINSE-EB-PUMP-041525	SDG No.:	Q1812
Lab Sample ID:	Q1812-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024341.D	1	04/17/25 10:40	04/18/25 14:00	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	92.8		15 (10) - 110 (139)	62%	SPK: 150
13127-88-3	Phenol-d6	55.3		15 (10) - 110 (134)	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.1		30 (49) - 130 (133)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.3		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	89.6		30 (48) - 130 (125)	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	246000	7.722			
1146-65-2	Naphthalene-d8	958000	10.493			
15067-26-2	Acenaphthene-d10	592000	14.345			
1517-22-2	Phenanthrene-d10	1120000	17.145			
1719-03-5	Chrysene-d12	1290000	21.58			
1520-96-3	Perylene-d12	1540000	24.921			
TENTATIVE IDENTIFIED COMPOUNDS						
000104-76-7	1-Hexanol, 2-ethyl-	8.30	J		7.80	ug/L
000149-57-5	Hexanoic acid, 2-ethyl-	8.70	J		9.04	ug/L
000057-10-3	n-Hexadecanoic acid	4.80	J		14.3	ug/L
000057-11-4	Octadecanoic acid	200	J		16.2	ug/L
001002-84-2	Pentadecanoic acid	7.70	J		16.5	ug/L
000638-53-9	Tridecanoic acid	8.70	J		16.6	ug/L
000106-11-6	Octadecanoic acid, 2-(2-hydroxyeth	4.80	J		16.7	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/15/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/15/25
Client Sample ID:	RINSE-EB-PUMP-041525	SDG No.:	Q1812
Lab Sample ID:	Q1812-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024341.D	1	04/17/25 10:40	04/18/25 14:00	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000544-63-8	Tetradecanoic acid	5.20	J		17.1	ug/L
	unknown17.416	9.20	J		17.4	ug/L
	unknown17.810	4.00	J		17.8	ug/L
000334-48-5	n-Decanoic acid	4.30	J		17.9	ug/L
	unknown18.098	81.7	J		18.1	ug/L
	unknown19.136	18.0	J		19.3	ug/L
	unknown19.369	17.3	J		19.4	ug/L
	unknown19.427	200	J		19.4	ug/L
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	4.20	J		20.7	ug/L
013475-75-7	Pentadecane, 8-hexyl-	6.90	J		22.5	ug/L
000646-31-1	Tetracosane	10.3	J		23.2	ug/L
000544-77-4	Hexadecane, 1-iodo-	7.50	J		24.1	ug/L
007225-64-1	Heptadecane, 9-octyl-	6.30	J		25.1	ug/L

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_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

Quant Time: Apr 18 14:22:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	245628	20.000	ng	0.00
21) Naphthalene-d8	10.493	136	957873	20.000	ng	0.00
39) Acenaphthene-d10	14.345	164	592191	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	1115828	20.000	ng	0.00
76) Chrysene-d12	21.580	240	1285893	20.000	ng	-0.01
86) Perylene-d12	24.921	264	1540695	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1379134	92.837	ng	0.00
7) Phenol-d6	6.905	99	1123998	55.257	ng	0.00
23) Nitrobenzene-d5	8.869	82	1665306	99.134	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	1322870	161.458	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	3646071	94.269	ng	0.00
79) Terphenyl-d14	19.863	244	5719044	89.646	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.793	122	32879m	2.763	ng	
60) Diethylphthalate	15.175	149	755467	17.023	ng	99
74) Di-n-butylphthalate	18.151	149	277110	3.880	ng	100

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

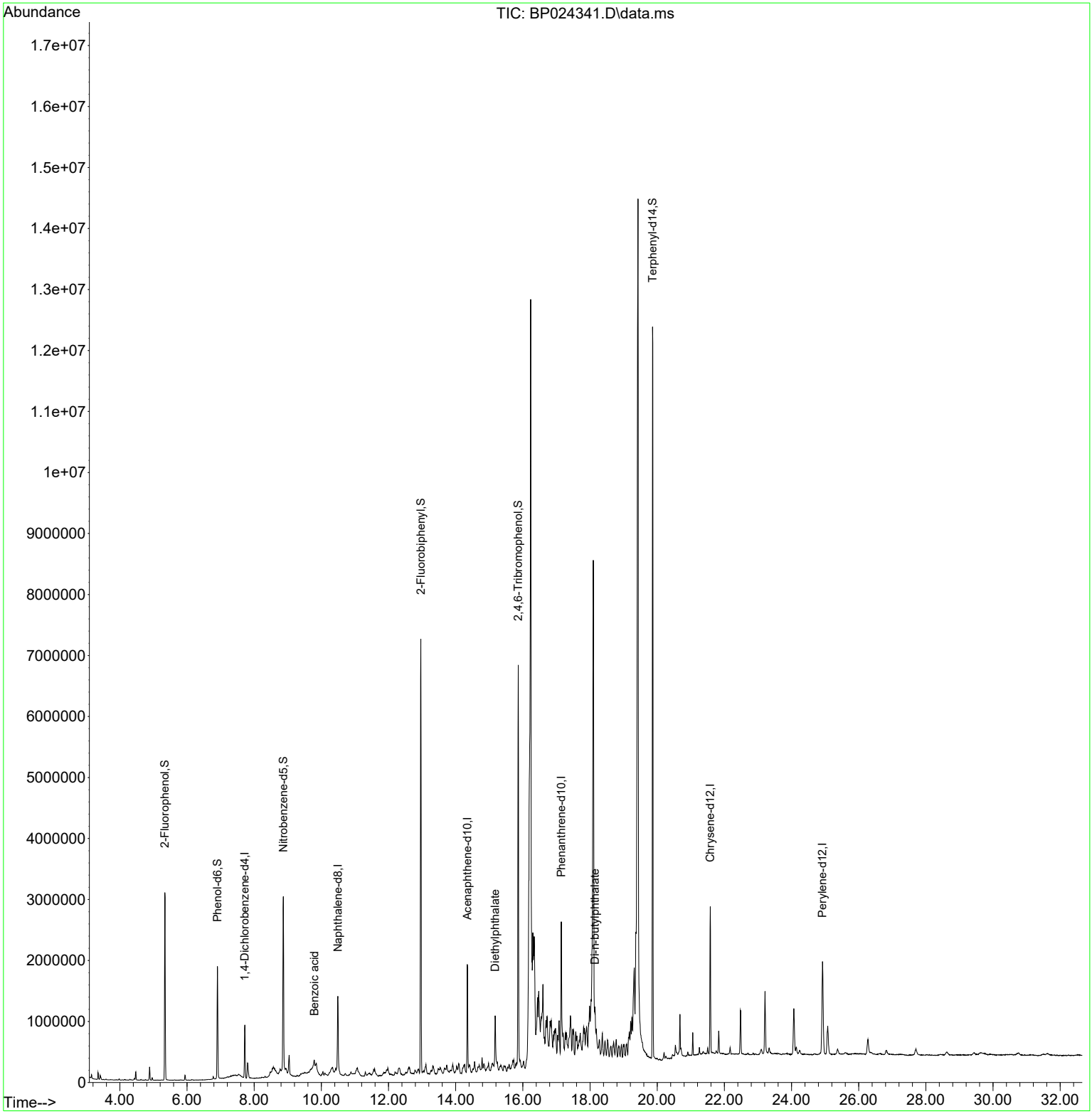
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Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

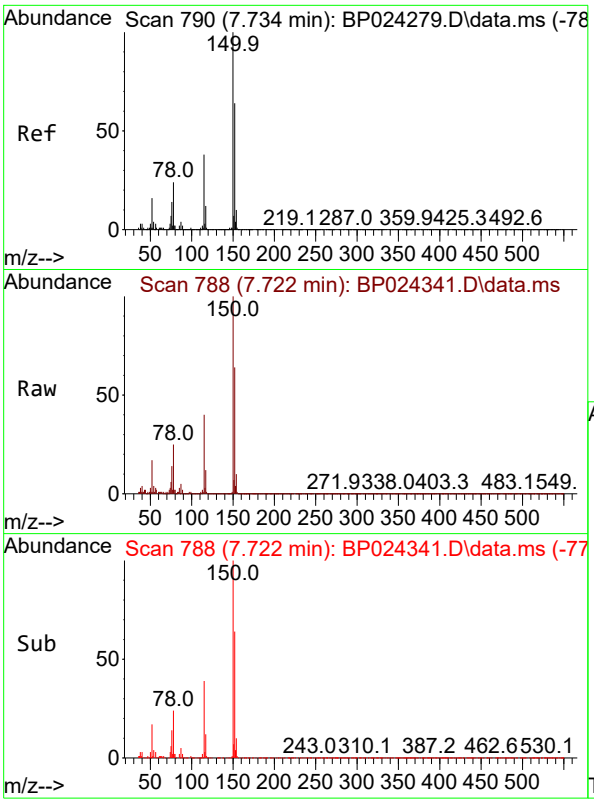
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

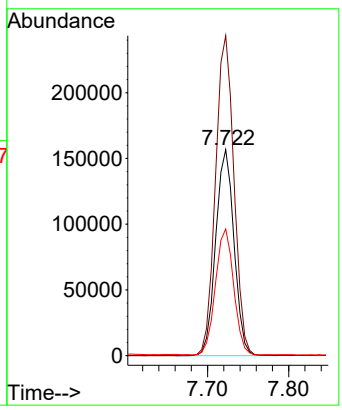




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:152 Resp: 24562

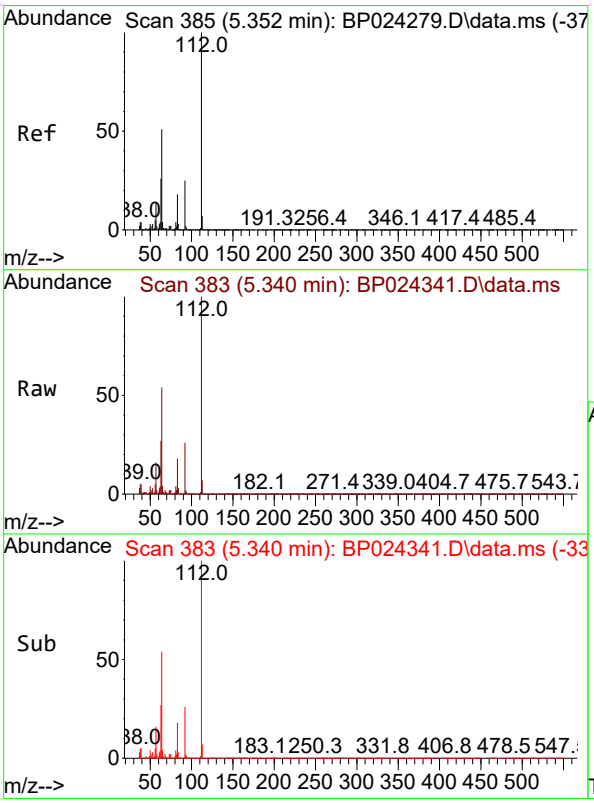
Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.9	187.3
115	61.5	47.7	71.5



Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Manual Integrations APPROVED

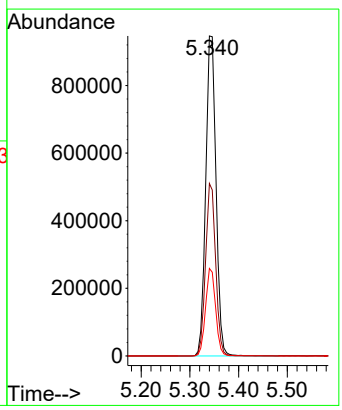
Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

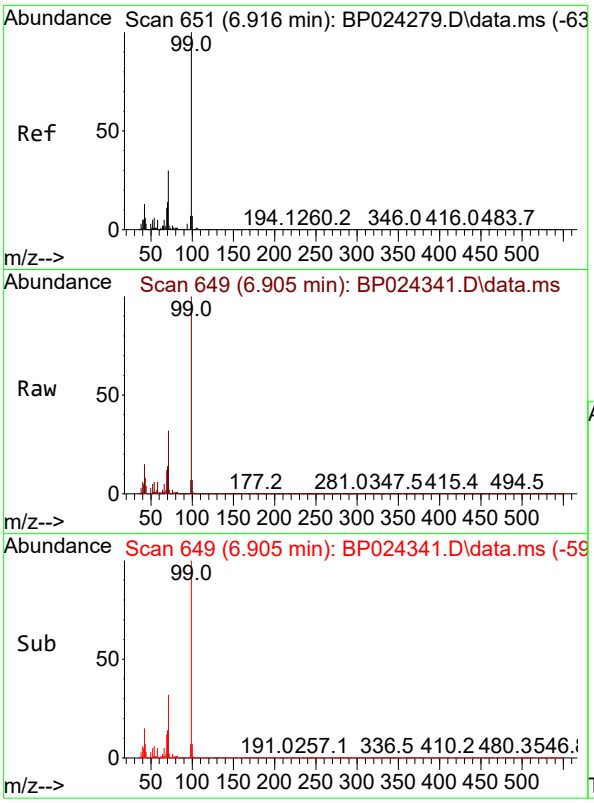


#5
2-Fluorophenol
Concen: 92.837 ng
RT: 5.340 min Scan# 383
Delta R.T. -0.006 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:112 Resp: 1379134

Ion	Ratio	Lower	Upper
112	100		
64	53.9	41.1	61.7
63	27.4	20.6	30.8

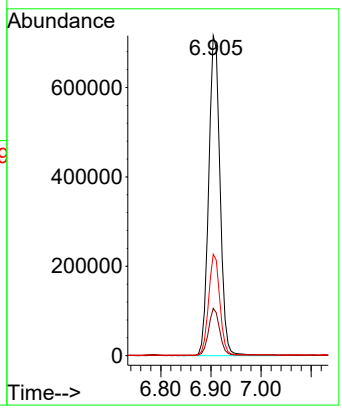




#7
Phenol-d6
Concen: 55.257 ng
RT: 6.905 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

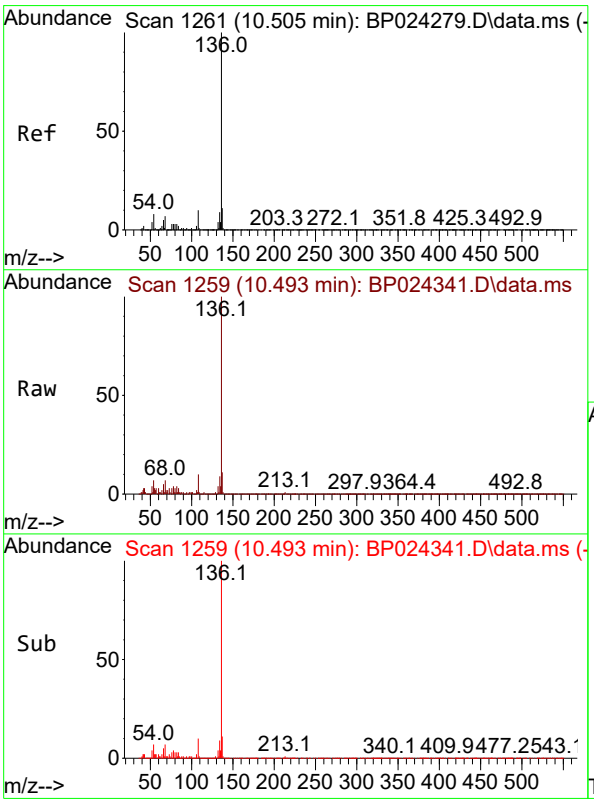
Tgt Ion: 99 Resp: 112399

Ion	Ratio	Lower	Upper
99	100		
42	14.8	10.6	16.0
71	31.7	23.7	35.5



Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

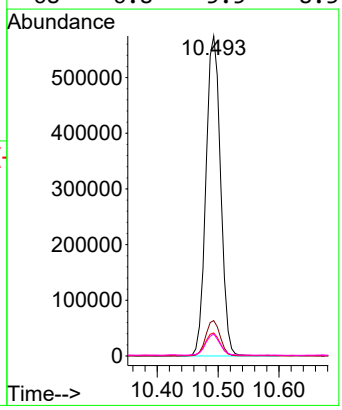
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

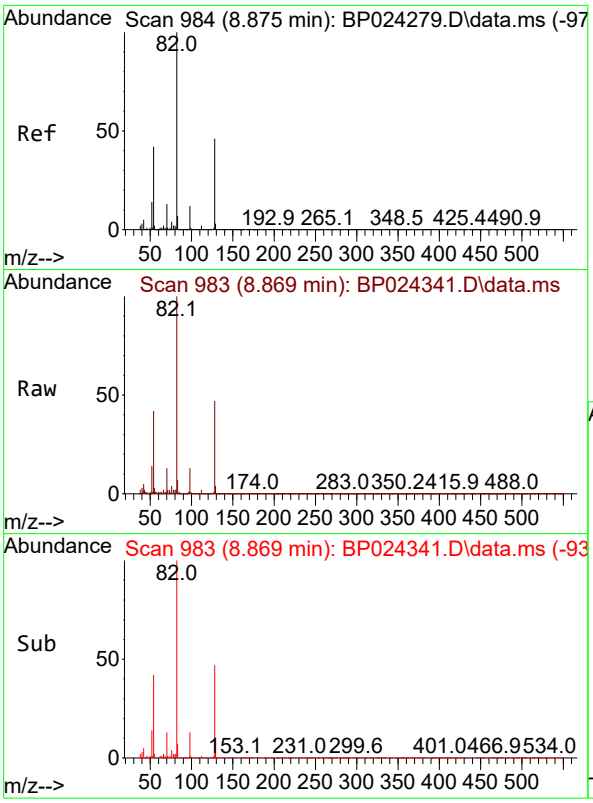


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.493 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:136 Resp: 957873

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.2	6.0	9.0
68	6.8	5.5	8.3

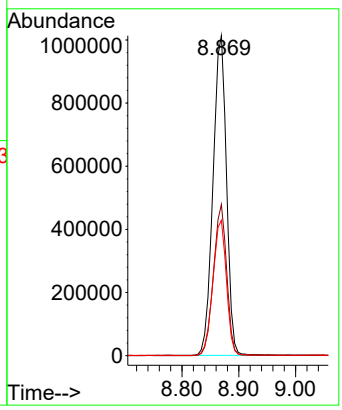




#23
Nitrobenzene-d5
Concen: 99.134 ng
RT: 8.869 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion: 82 Resp: 166530

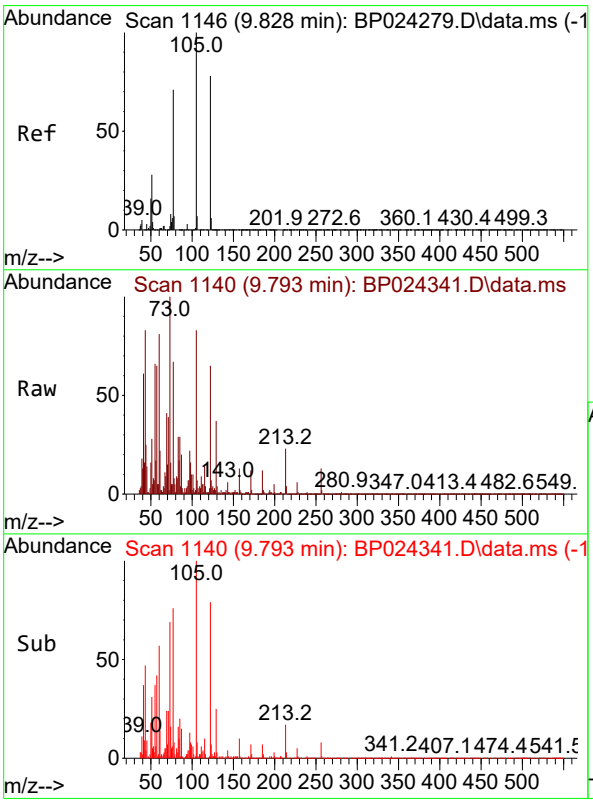
Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.5	54.7
54	42.3	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Manual Integrations APPROVED

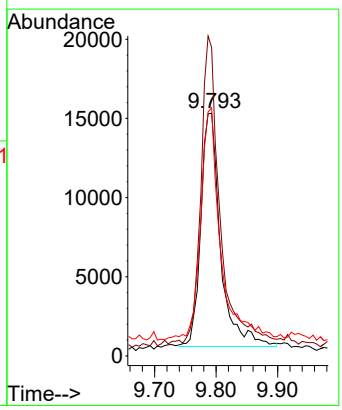
Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

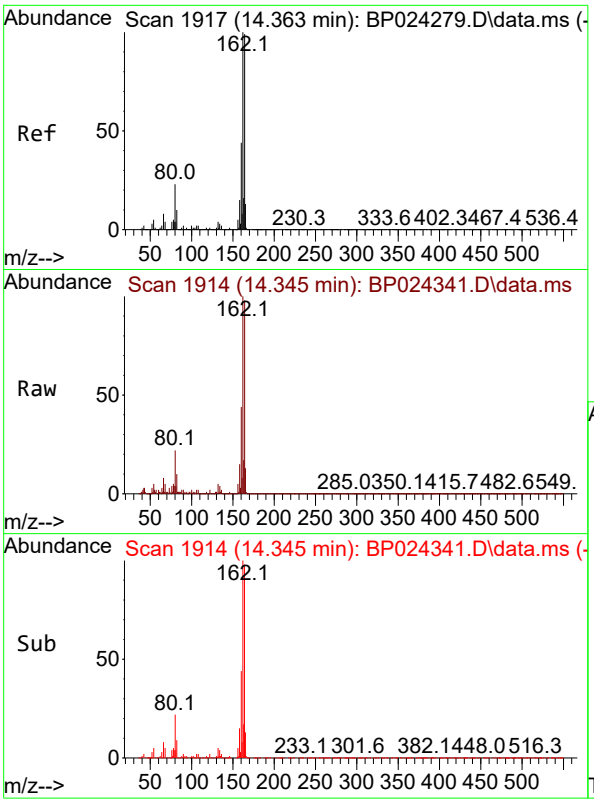


#32
Benzoic acid
Concen: 2.763 ng m
RT: 9.793 min Scan# 1140
Delta R.T. -0.029 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:122 Resp: 32879

Ion	Ratio	Lower	Upper
122	100		
105	127.0	104.8	144.8
77	102.2	69.2	109.2

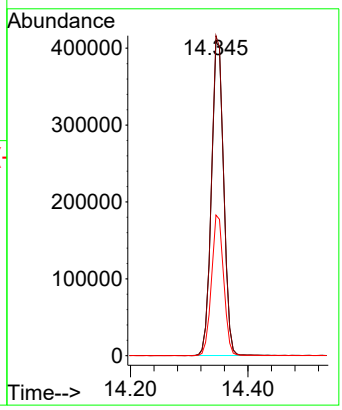




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

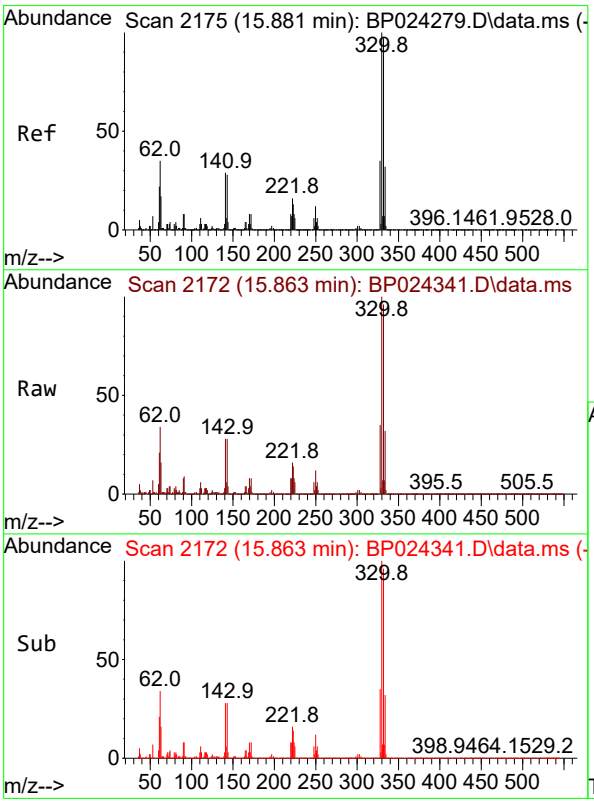
Tgt Ion:164 Resp: 59219

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	44.7	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

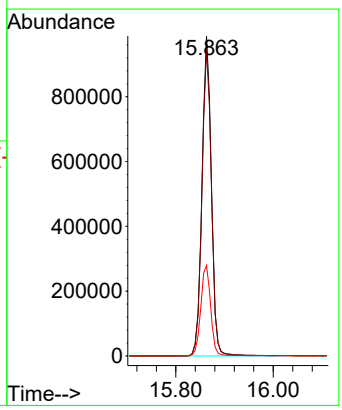
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

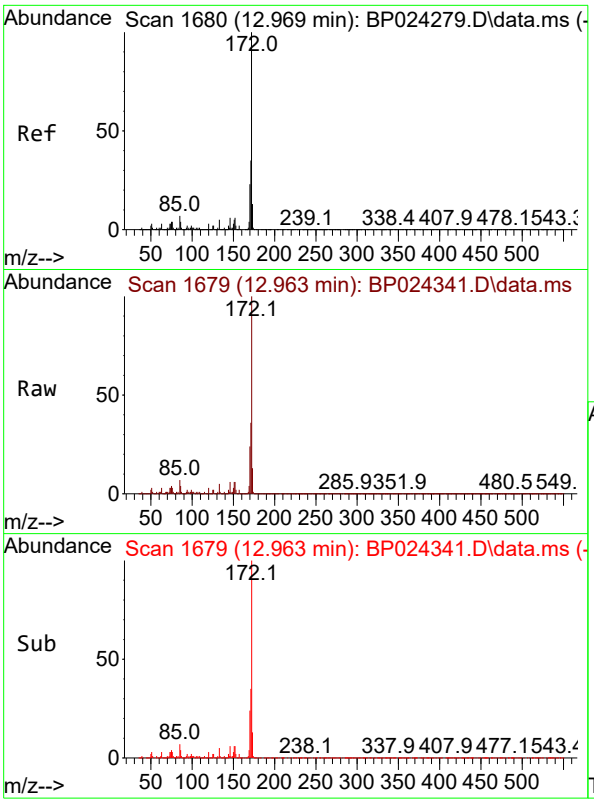


#42
2,4,6-Tribromophenol
Concen: 161.458 ng
RT: 15.863 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:330 Resp: 1322870

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	29.7	24.7	37.1

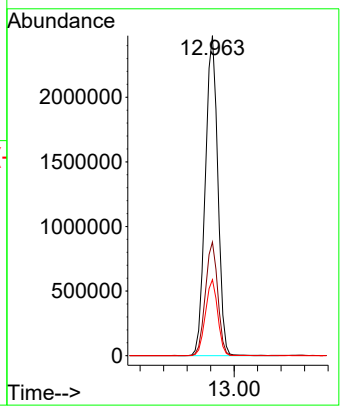




#45
2-Fluorobiphenyl
Concen: 94.269 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:172 Resp: 364607

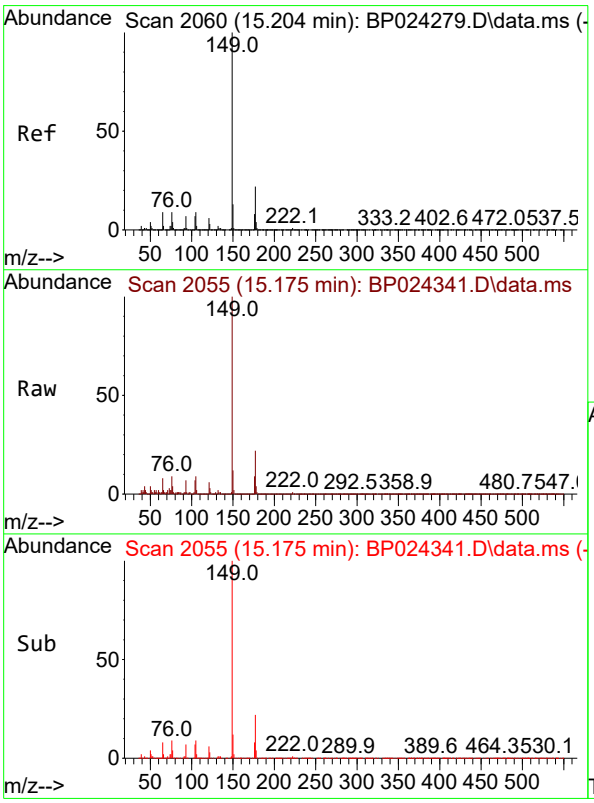
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.7	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Manual Integrations APPROVED

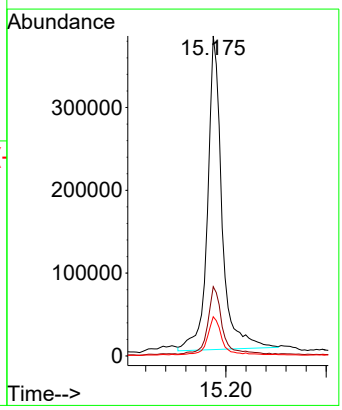
Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

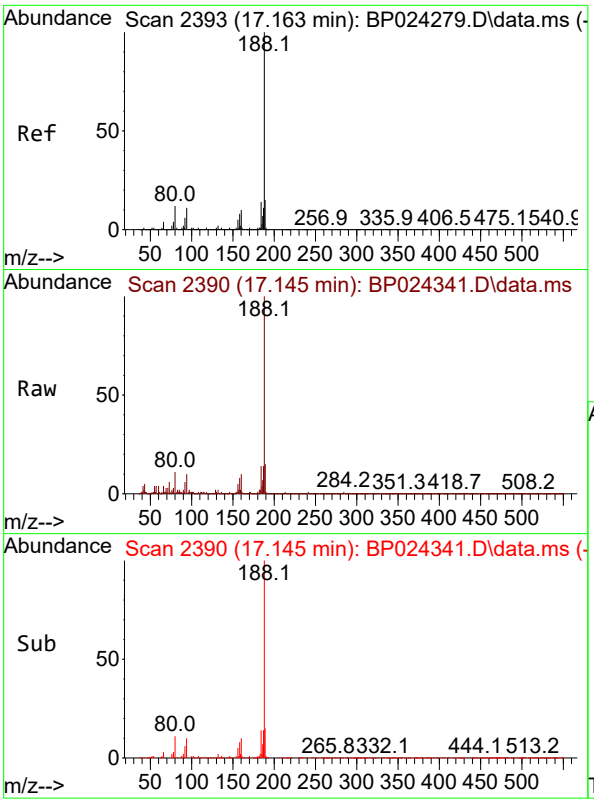


#60
Diethylphthalate
Concen: 17.023 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:149 Resp: 755467

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.4	26.2
150	12.2	10.1	15.1

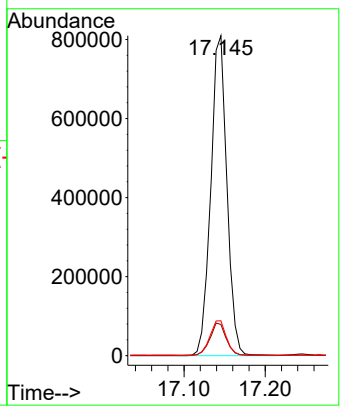




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:188 Resp: 111582

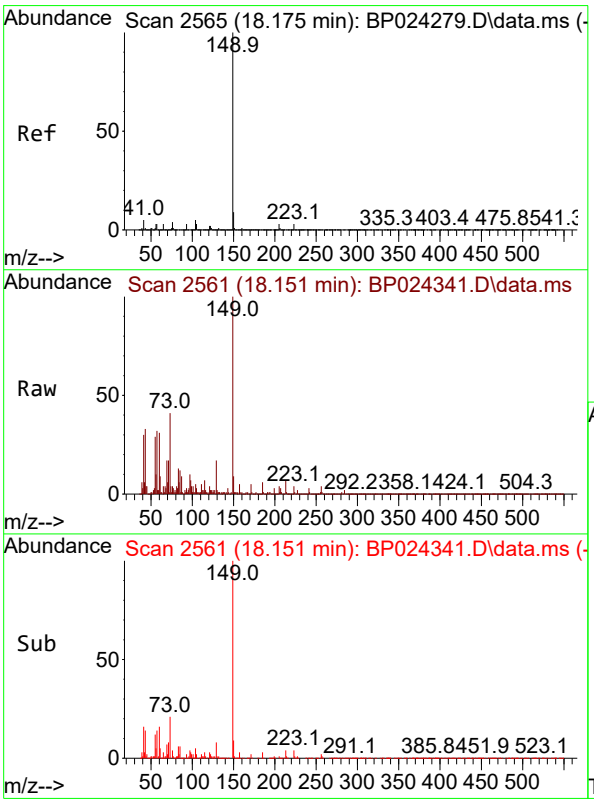
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.6	13.0
80	10.9	9.8	14.6



Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Manual Integrations APPROVED

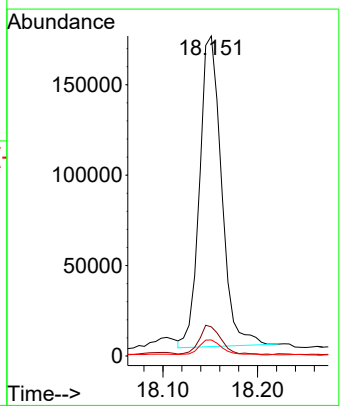
Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

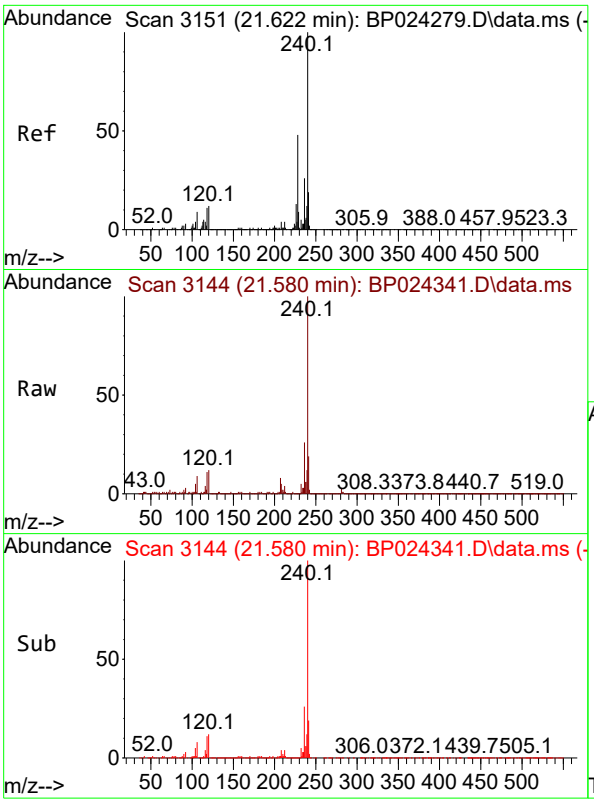


#74
Di-n-butylphthalate
Concen: 3.880 ng
RT: 18.151 min Scan# 2561
Delta R.T. -0.006 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:149 Resp: 277110

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.0	3.9	5.9

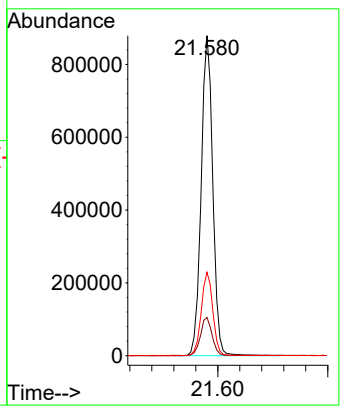




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:240 Resp: 128589

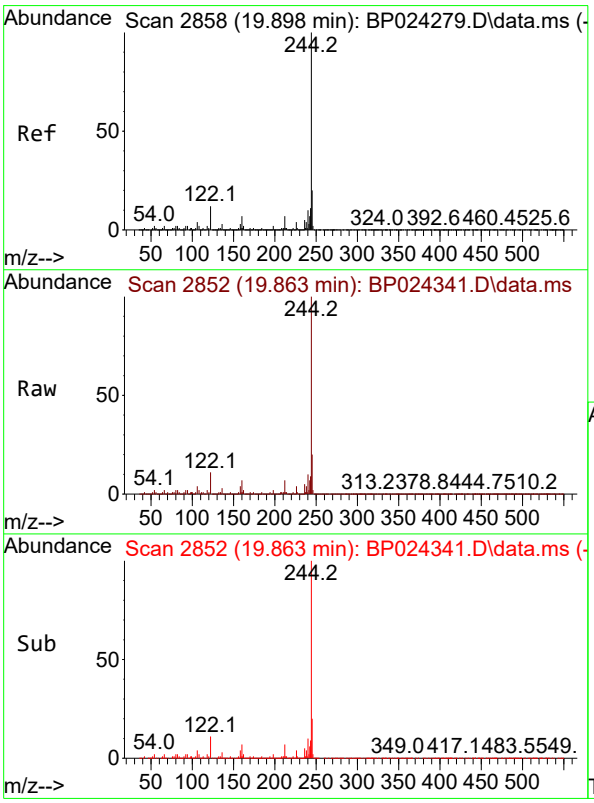
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.8	14.8
236	26.1	20.9	31.3



Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Manual Integrations
APPROVED

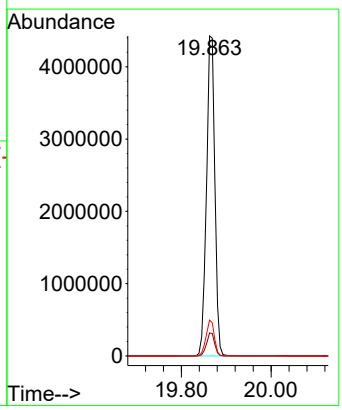
Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

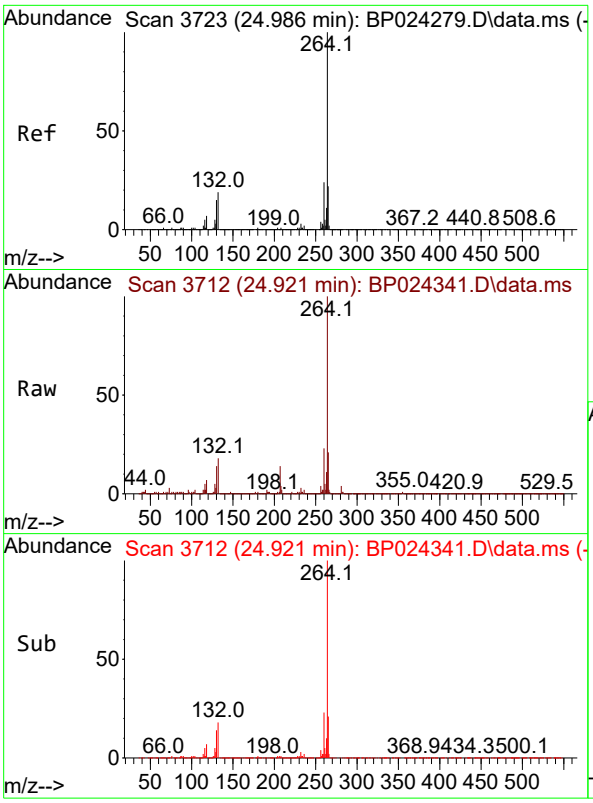


#79
Terphenyl-d14
Concen: 89.646 ng
RT: 19.863 min Scan# 2852
Delta R.T. -0.012 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:244 Resp: 5719044

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.2	9.4	14.0

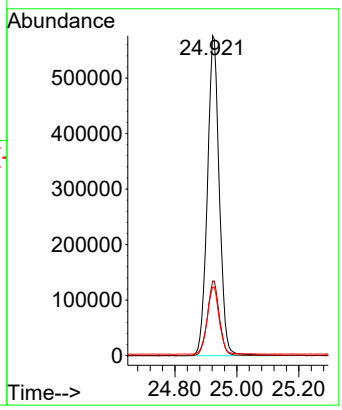




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.921 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024341.D
Acq: 18 Apr 2025 14:00

Tgt Ion:264 Resp: 154069

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.4	17.8	26.6



Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/21/2025
Supervised By :Sohil Jodhani 04/23/2025

Sample Results: **BP024341.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

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_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024341.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.340	377	383	395	rBV	3074303	4422919	11.93%	2.323%
2	6.905	641	649	660	rBV	1842020	2940521	7.93%	1.544%
3	7.722	782	788	795	rVB	875398	1405193	3.79%	0.738%
4	7.805	795	802	812	rBV2	249474	583152	1.57%	0.306%
5	8.869	975	983	992	rBV	2835654	4694210	12.66%	2.465%
6	9.040	1005	1012	1019	rVB	319735	607811	1.64%	0.319%
7	10.493	1253	1259	1273	rVB	1282141	2492099	6.72%	1.309%
8	12.316	1561	1569	1580	rVB8	112110	437927	1.18%	0.230%
9	12.963	1672	1679	1685	rBV	7120356	10436134	28.14%	5.480%
10	13.116	1697	1705	1714	rVB	154766	435904	1.18%	0.229%
11	13.322	1737	1740	1753	rVB2	138012	386650	1.04%	0.203%
12	14.093	1867	1871	1879	rVB5	162860	381679	1.03%	0.200%
13	14.257	1886	1899	1909	rBV4	145321	637716	1.72%	0.335%
14	14.345	1909	1914	1920	rBV	1773065	2672822	7.21%	1.404%
15	15.098	2037	2042	2049	rVV7	118804	402765	1.09%	0.212%
16	15.175	2049	2055	2073	rVB	895070	2057934	5.55%	1.081%
17	15.863	2166	2172	2179	rBV	6536588	8846408	23.86%	4.646%
18	16.234	2209	2235	2243	rBV	12582942	37083917	100.00%	19.474%
19	16.298	2243	2246	2248	rVV	621884	674530	1.82%	0.354%
20	16.439	2266	2270	2272	rBV2	380651	497954	1.34%	0.261%
21	16.475	2272	2276	2284	rVB2	670387	1463545	3.95%	0.769%
22	16.598	2294	2297	2307	rVB	970882	1635419	4.41%	0.859%
23	16.687	2309	2312	2314	rBV2	333279	398198	1.07%	0.209%
24	16.722	2315	2318	2326	rVB2	492542	902215	2.43%	0.474%
25	16.810	2329	2333	2337	rBV3	340690	674337	1.82%	0.354%
26	17.045	2368	2373	2375	rBV2	289909	531716	1.43%	0.279%
27	17.081	2375	2379	2384	rVB	538262	983684	2.65%	0.517%
28	17.145	2384	2390	2398	rBV	2158397	3781784	10.20%	1.986%
29	17.269	2406	2411	2413	rBV3	277359	465669	1.26%	0.245%
30	17.416	2425	2436	2443	rVB4	568667	1734893	4.68%	0.911%
31	17.486	2444	2448	2449	rBV	334938	412420	1.11%	0.217%
32	17.575	2458	2463	2466	rBV2	379992	666786	1.80%	0.350%
33	17.810	2496	2503	2506	rBV3	348677	753061	2.03%	0.395%
34	17.898	2511	2518	2524	rVB3	322550	809207	2.18%	0.425%
35	17.957	2524	2528	2529	rBV	387159	453057	1.22%	0.238%
36	17.986	2530	2533	2536	rVV2	341274	464935	1.25%	0.244%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

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_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.033	2537	2541	2542	rVV	381478	506998	1.37%	0.266%
38	18.098	2542	2552	2559	rVB	7423223	15453862	41.67%	8.115%
39	18.369	2594	2598	2605	rVB	363781	646333	1.74%	0.339%
40	18.445	2607	2611	2618	rVV3	245148	520898	1.40%	0.274%
41	18.522	2619	2624	2632	rVB4	276703	652990	1.76%	0.343%
42	18.704	2648	2655	2661	rBV2	220982	575722	1.55%	0.302%
43	18.781	2662	2668	2674	rVB2	287394	622585	1.68%	0.327%
44	19.145	2726	2730	2732	rBV2	275783	408868	1.10%	0.215%
45	19.210	2738	2741	2744	rBV3	299994	397387	1.07%	0.209%
46	19.245	2744	2747	2751	rVV4	377784	667863	1.80%	0.351%
47	19.316	2751	2759	2763	rVV	1219751	3396634	9.16%	1.784%
48	19.369	2763	2768	2769	rVV2	1834442	3039905	8.20%	1.596%
49	19.428	2769	2778	2813	rVB	13989285	34909329	94.14%	18.332%
50	19.863	2847	2852	2859	rBV	11976991	15367515	41.44%	8.070%
51	20.680	2987	2991	2995	rBV	588171	733179	1.98%	0.385%
52	21.057	3052	3055	3060	rVB	368228	440385	1.19%	0.231%
53	21.580	3138	3144	3151	rBV2	2411434	3514404	9.48%	1.846%
54	21.833	3183	3187	3196	rVB	371040	556548	1.50%	0.292%
55	22.480	3292	3297	3305	rVB	717252	1212995	3.27%	0.637%
56	23.210	3415	3421	3433	rVB	1005416	1809364	4.88%	0.950%
57	24.068	3561	3567	3575	rBV	698168	1505243	4.06%	0.790%
58	24.921	3704	3712	3726	rVB	1516049	3991995	10.76%	2.096%
59	25.080	3732	3739	3753	rVB	458642	1265712	3.41%	0.665%

Sum of corrected areas: 190425885

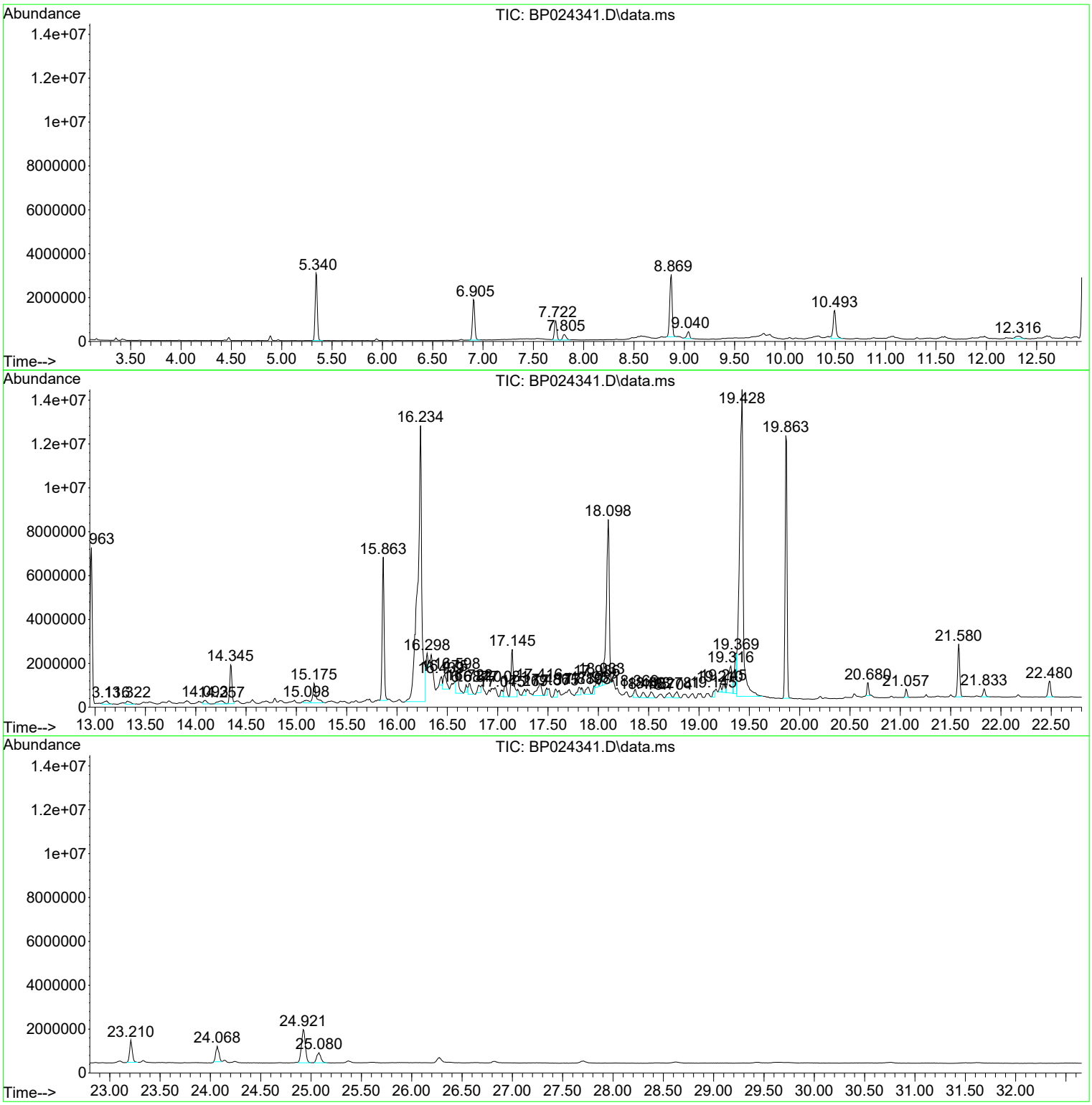
Sample Results: **BP024341.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

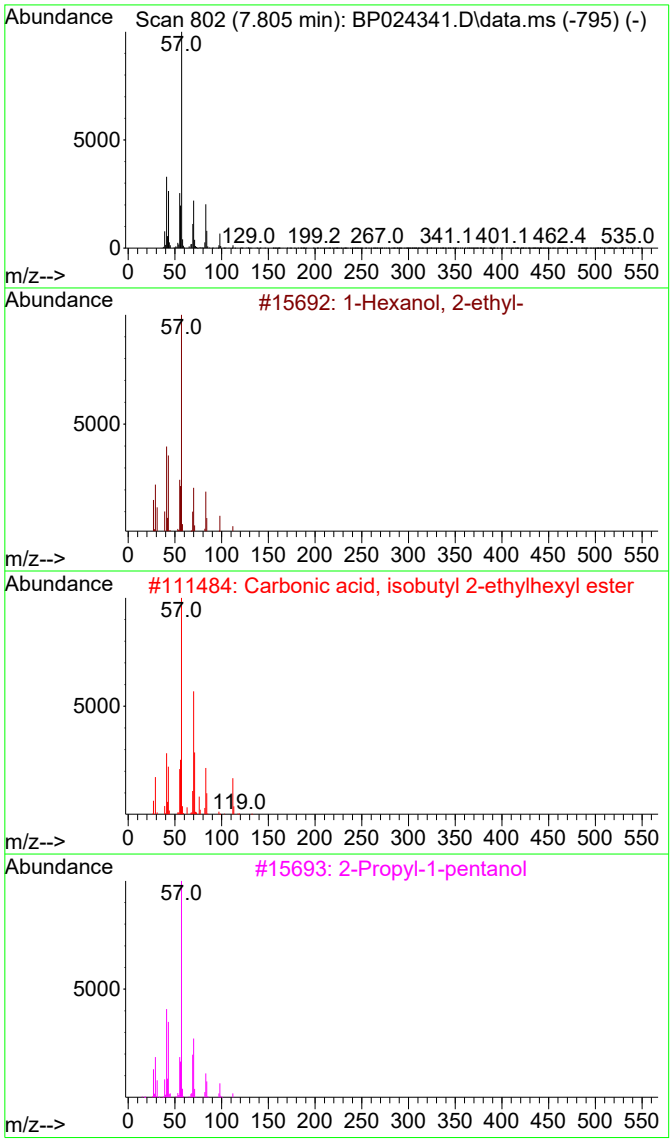
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TIC Integration Parameters: LSCINT.P

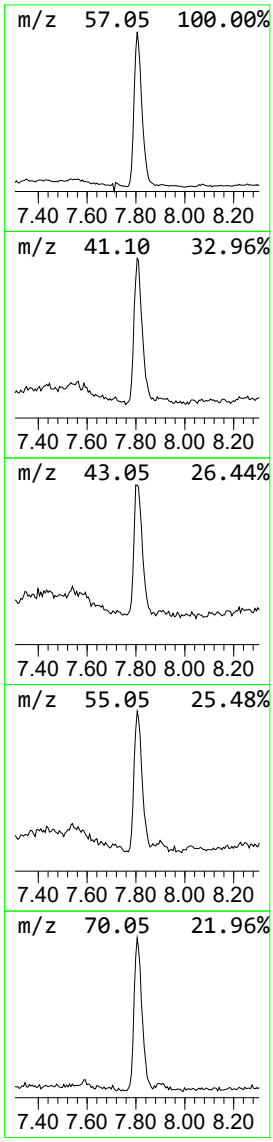
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Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.805	8.30 ng	583152	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000383-13-3	53
3	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
4	2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	50
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

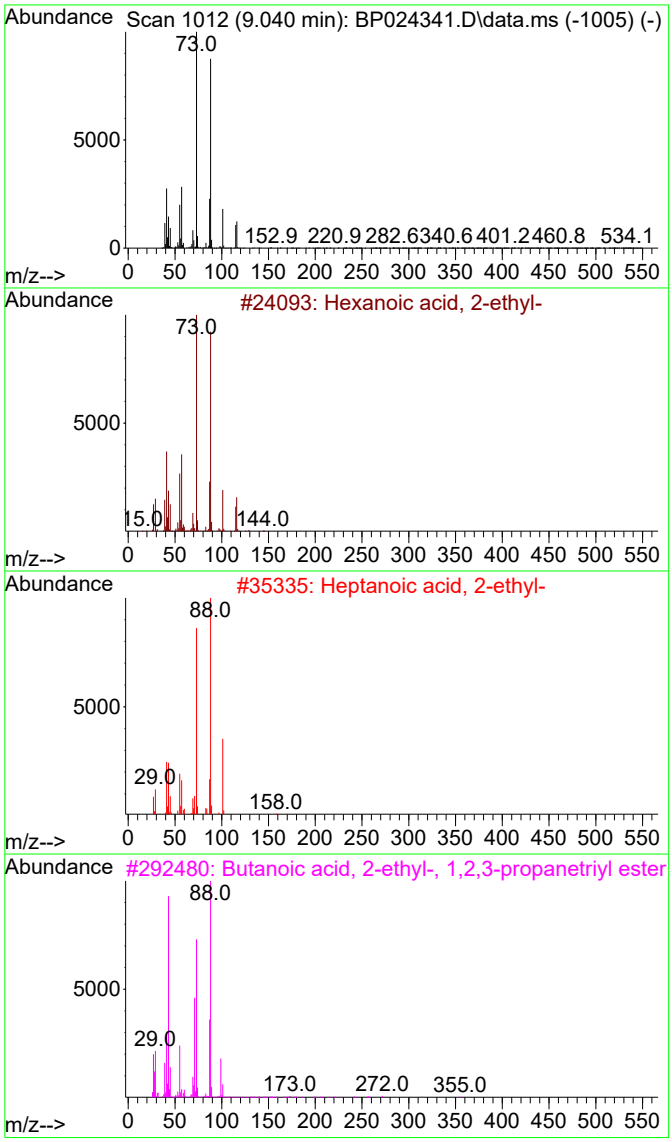
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TIC Integration Parameters: LSCINT.P

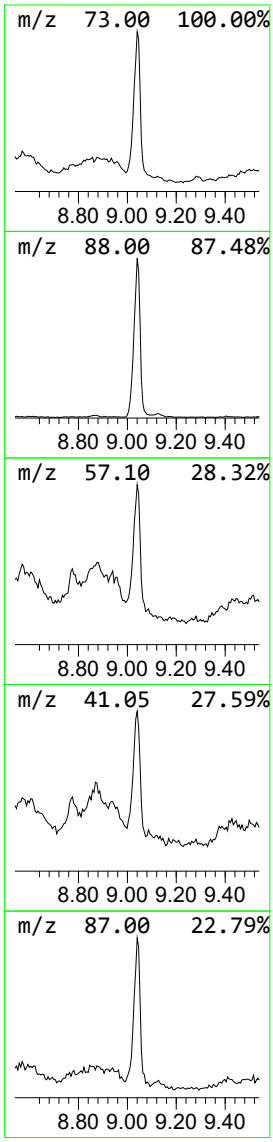
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Peak Number 2 Hexanoic acid, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.040	8.65 ng	607811	1,4-Dichlorobenzene-d4	7.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	59
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	53
4	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	50
5	Iminodiacetic acid	133	C4H7NO4	000142-73-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

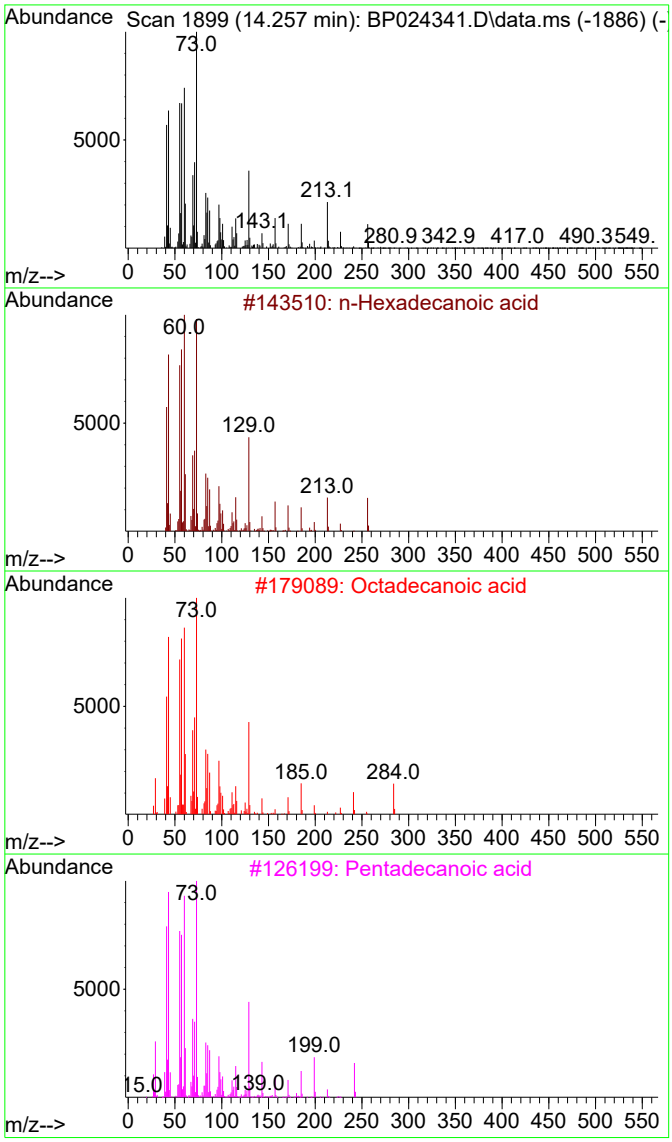
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TIC Integration Parameters: LSCINT.P

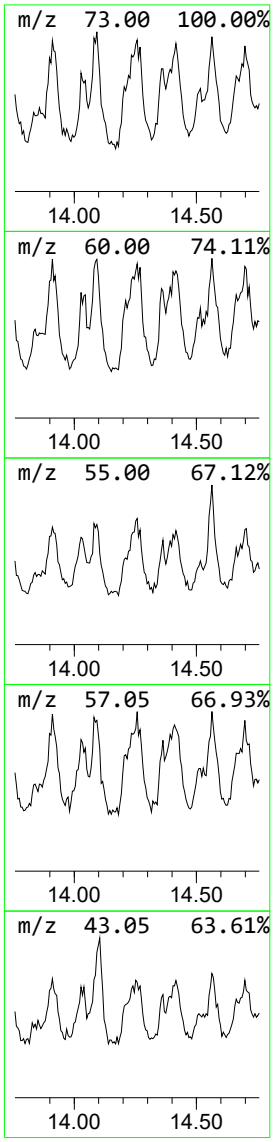
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	4.77 ng	637716	Acenaphthene-d10	14.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

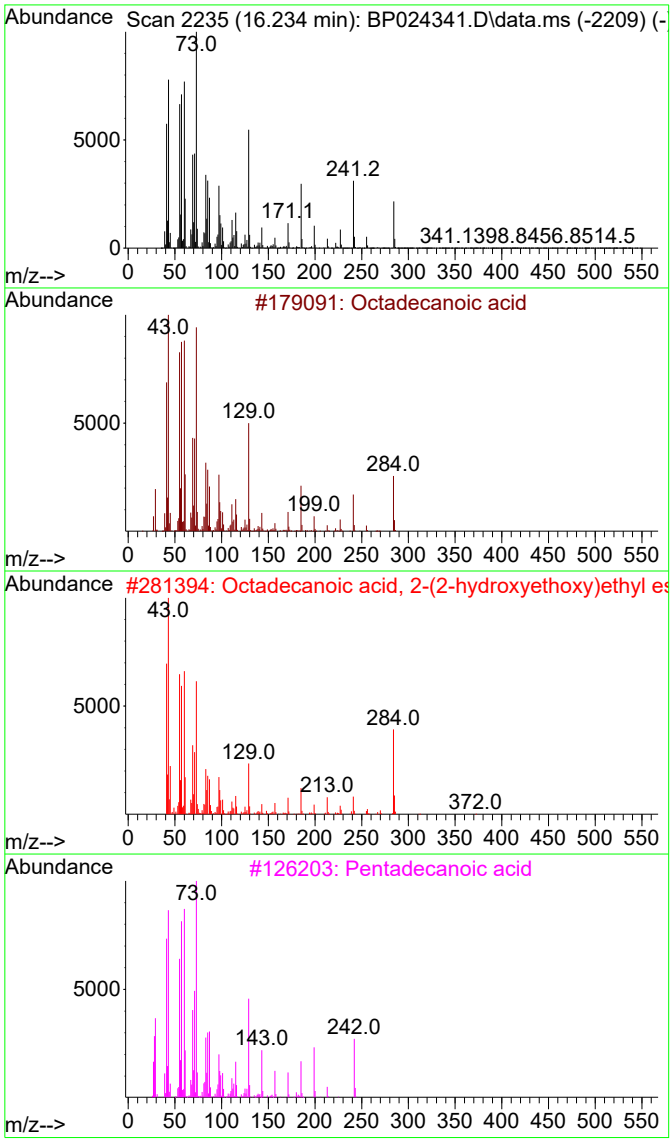
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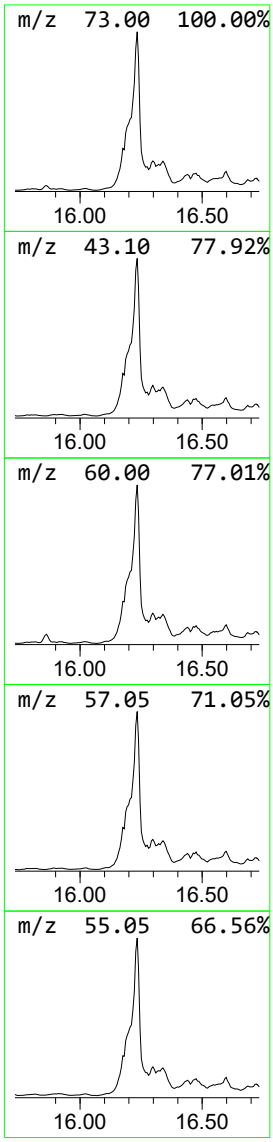
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Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.234	196.12 ng	37083900	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

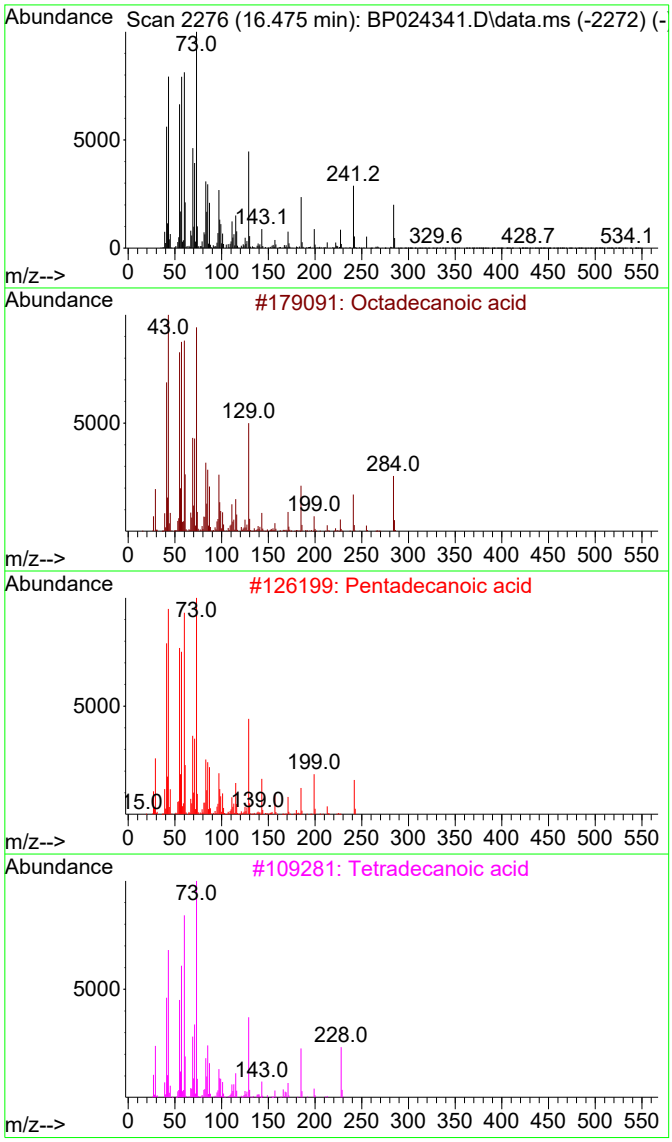
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TIC Integration Parameters: LSCINT.P

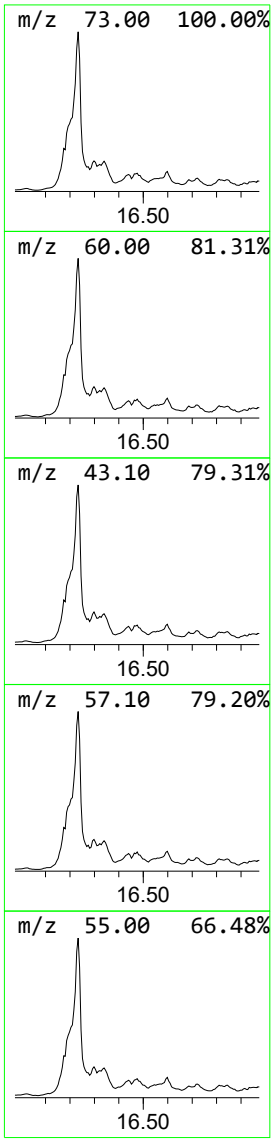
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Peak Number 5 Pentadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.475	7.74 ng	1463550	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

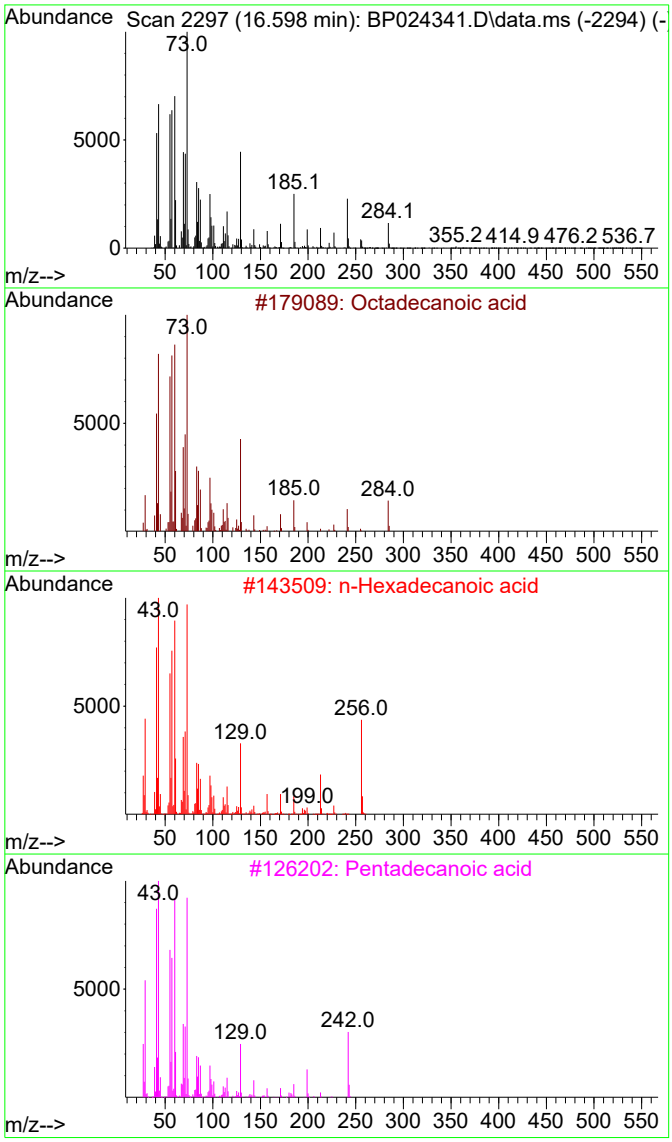
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

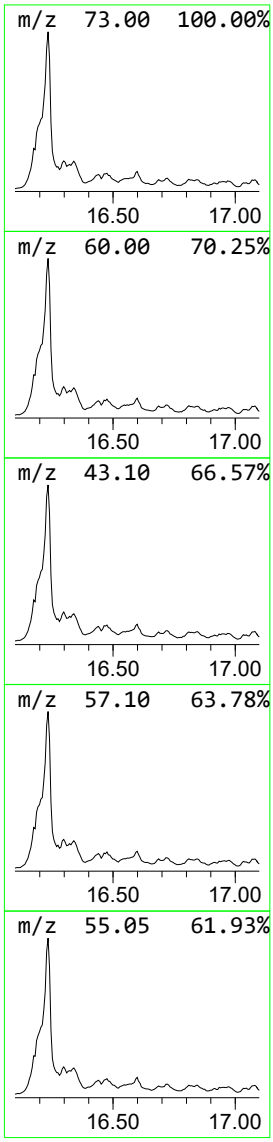
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Peak Number 6 Tridecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.598	8.65 ng	1635420	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

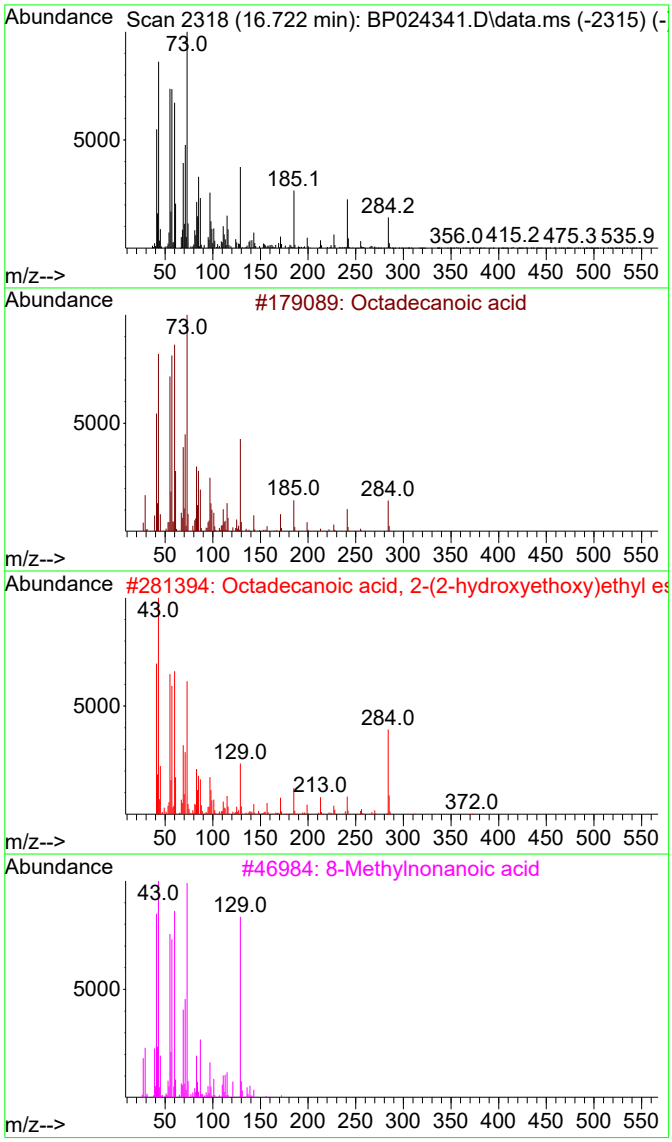
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

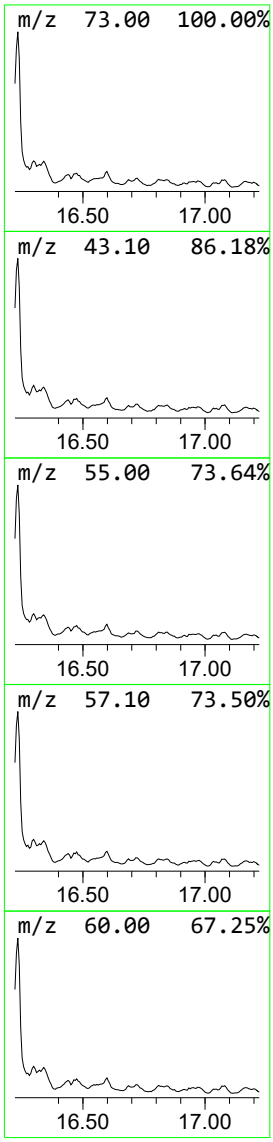
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Octadecanoic acid, 2-(2-hyd... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.722	4.77 ng	902215	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64
3	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55
4	n-Decanoic acid	172	C10H20O2	000334-48-5	53
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

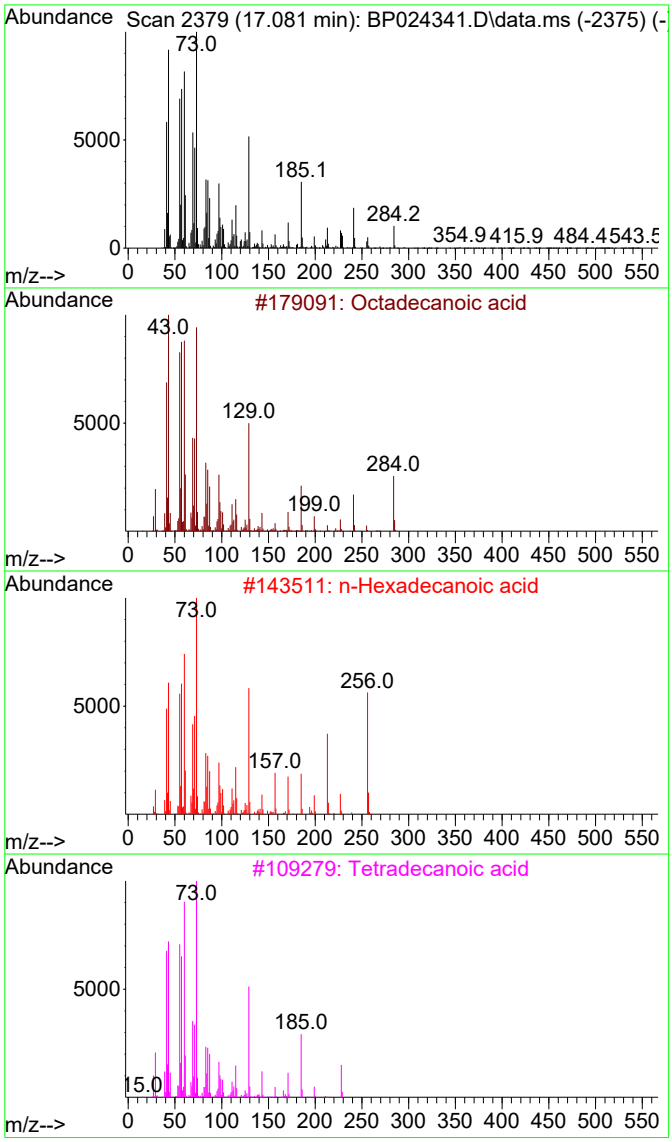
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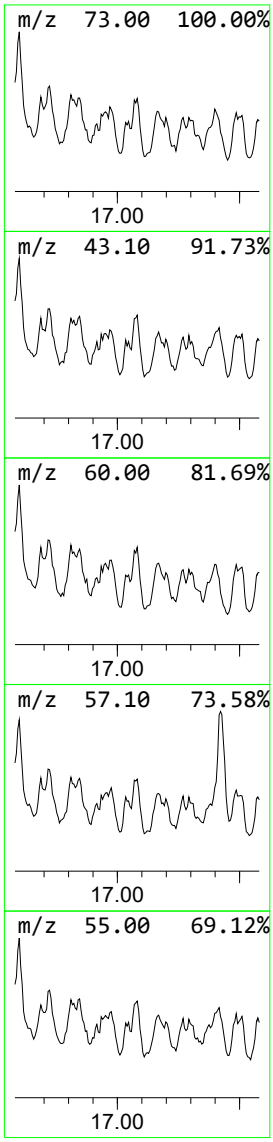
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Peak Number 8 Tetradecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.081	5.20 ng	983684	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

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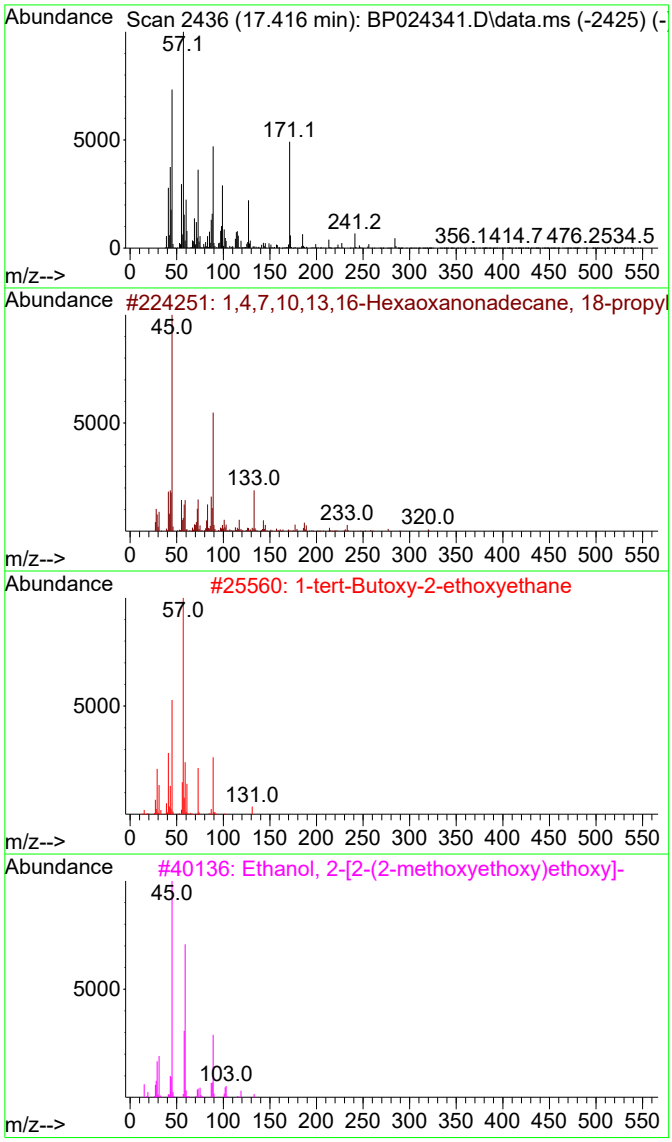
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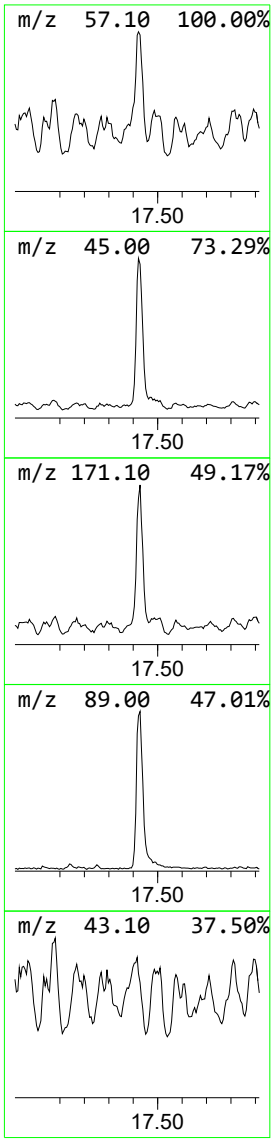
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Peak Number 9 unknown17.416 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.416	9.18 ng	1734890	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,7,10,13,16-Hexaoxanonadecane...	320	C16H32O6	1000163-65-3	38
2	1-tert-Butoxy-2-ethoxyethane	146	C8H18O2	051422-54-9	37
3	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	35
4	1,3,3-Trimethoxybutane	148	C7H16O3	006607-66-5	35
5	1H-Pyrimidine-2,4-dione, 1-(1-et...	202	C8H11FN2O3	1010310-13-3	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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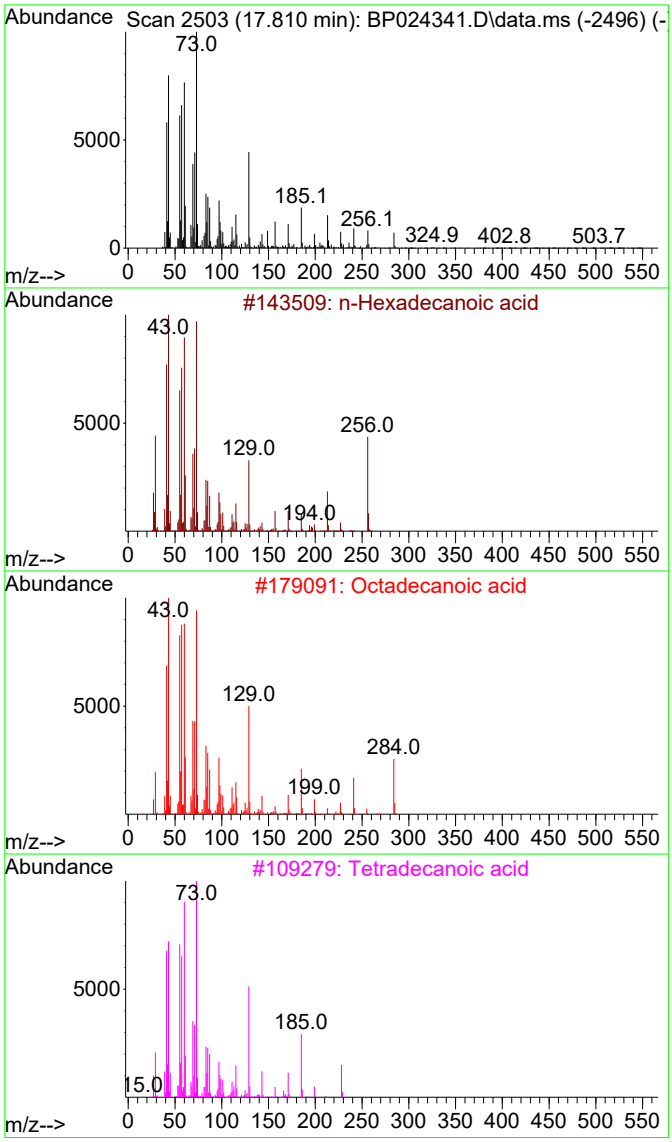
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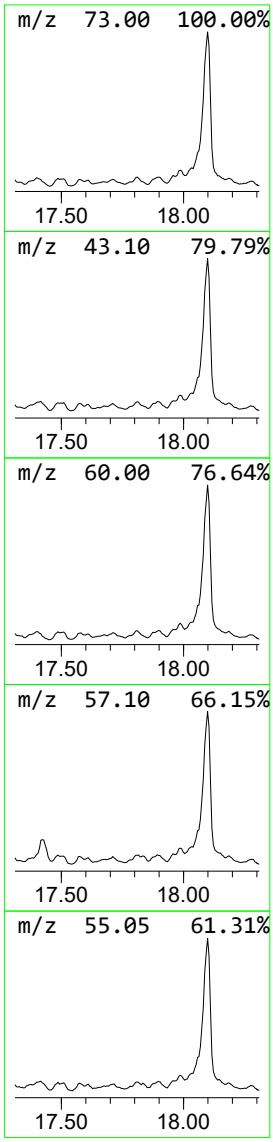
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Peak Number 10 unknown17.810 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.810	3.98 ng	753061	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
5	Tridecanoic acid	214	C13H26O2	000638-53-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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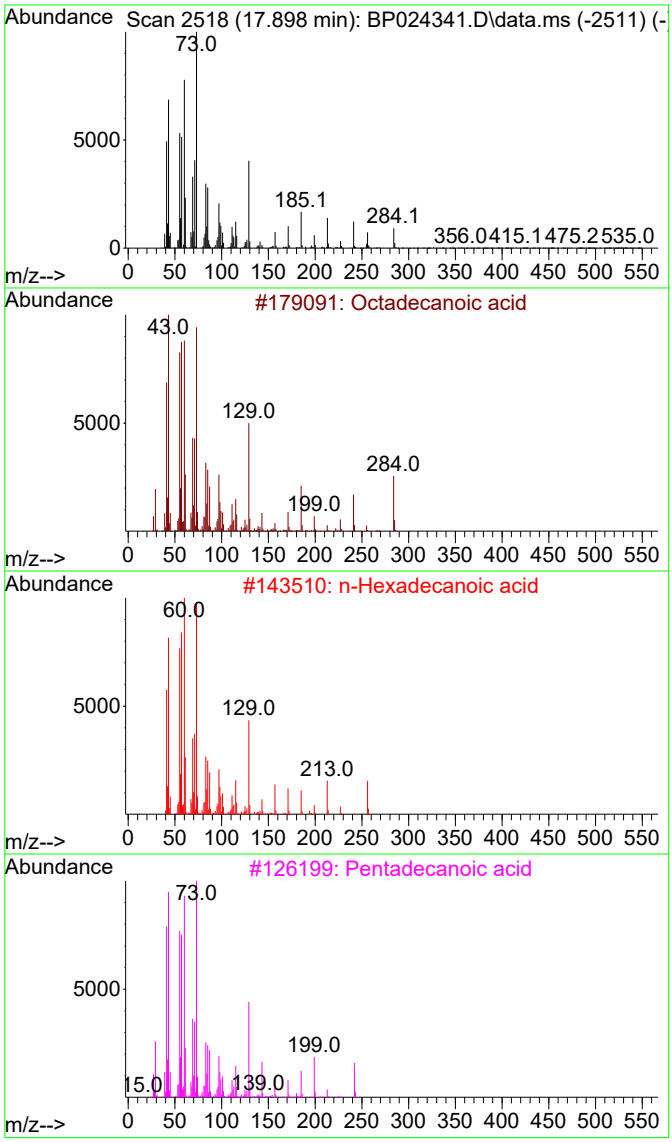
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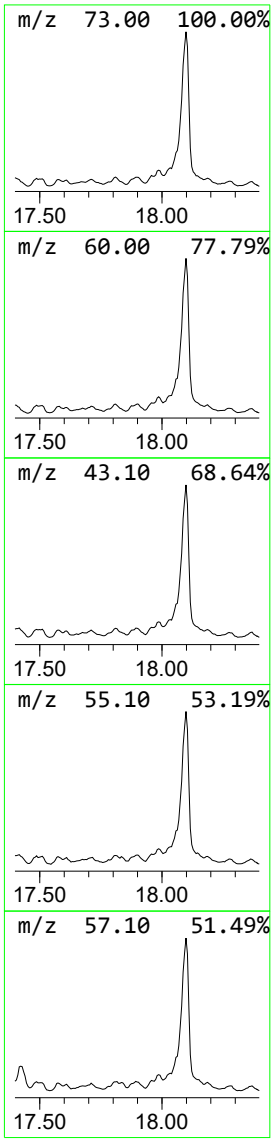
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Peak Number 11 n-Decanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	4.28 ng	809207	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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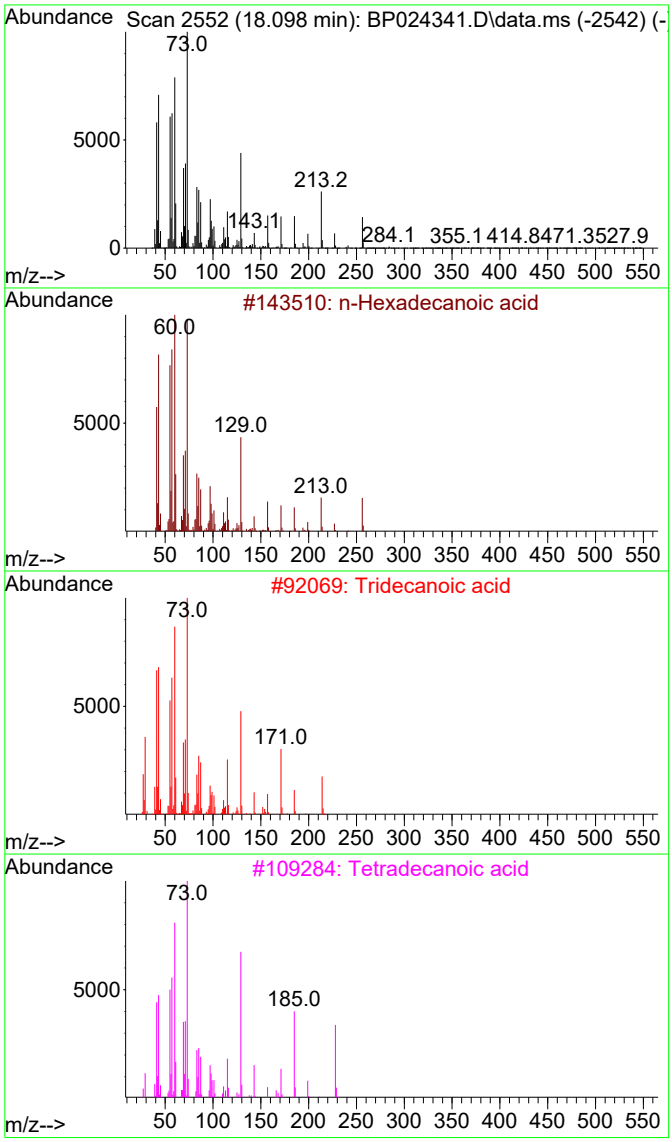
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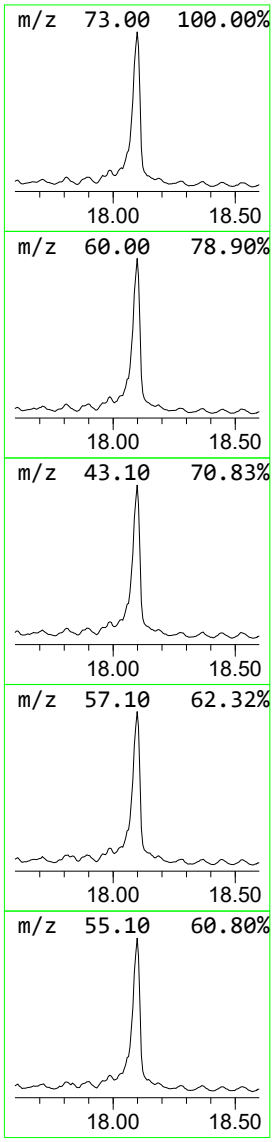
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Peak Number 12 unknown18.098 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	81.73 ng	15453900	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	93
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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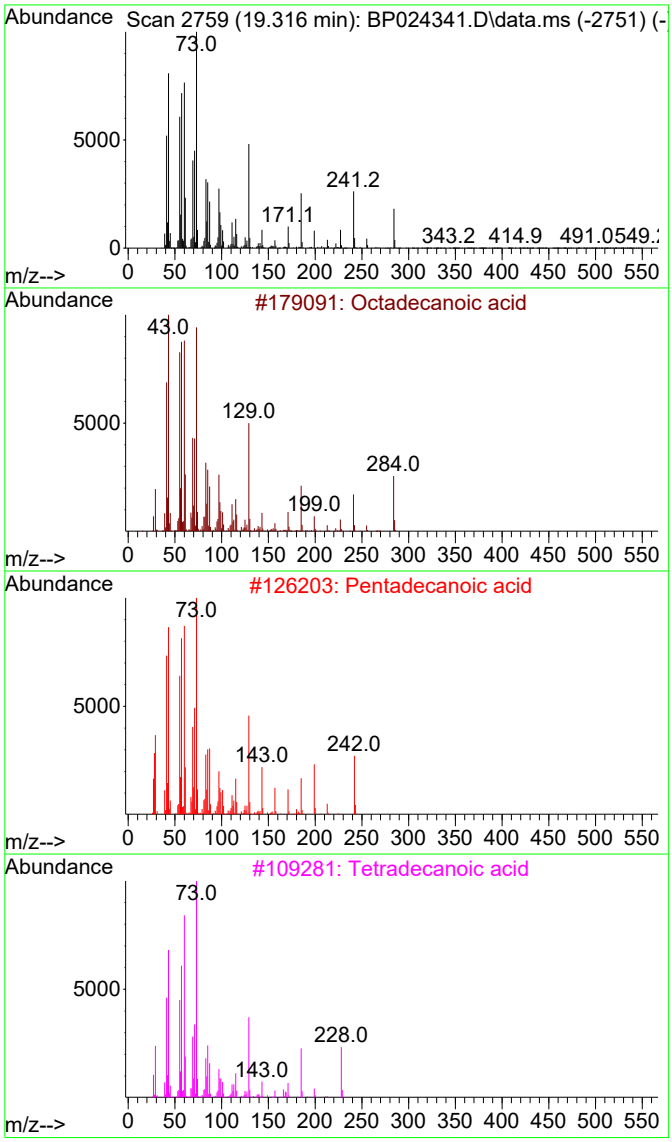
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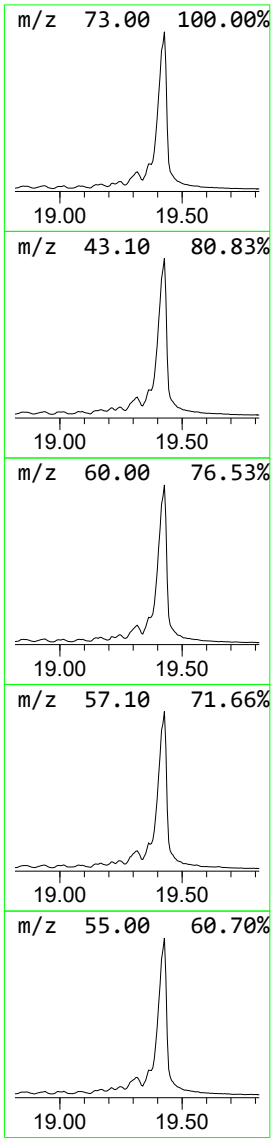
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Peak Number 13 unknown19.136 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.316	17.96 ng	3396630	Phenanthrene-d10	17.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

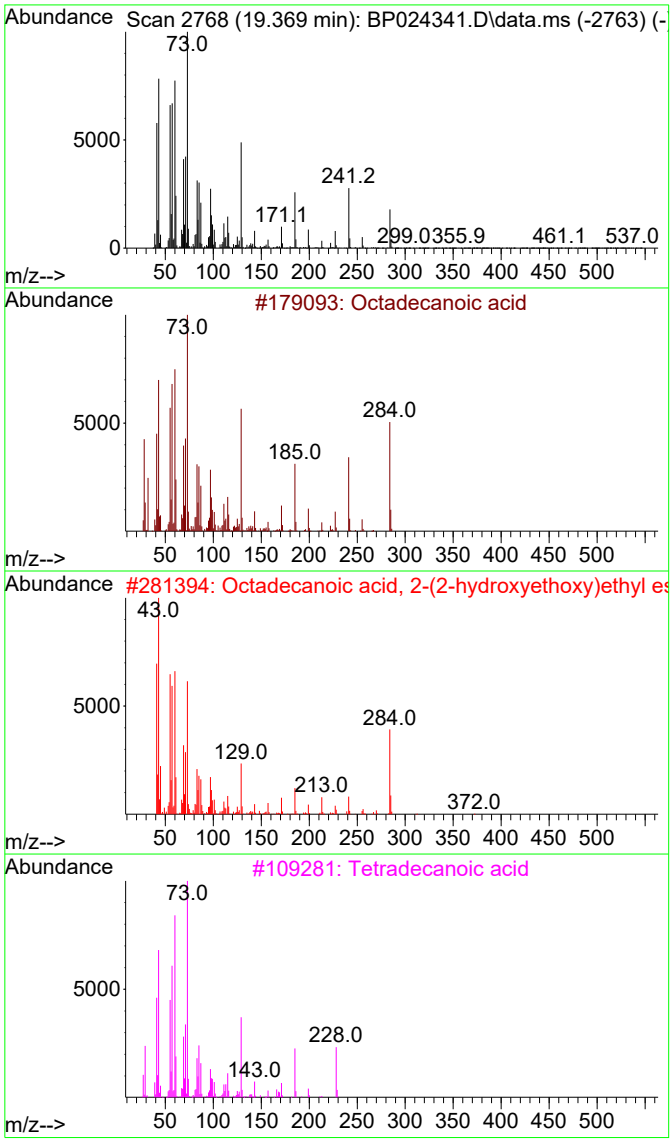
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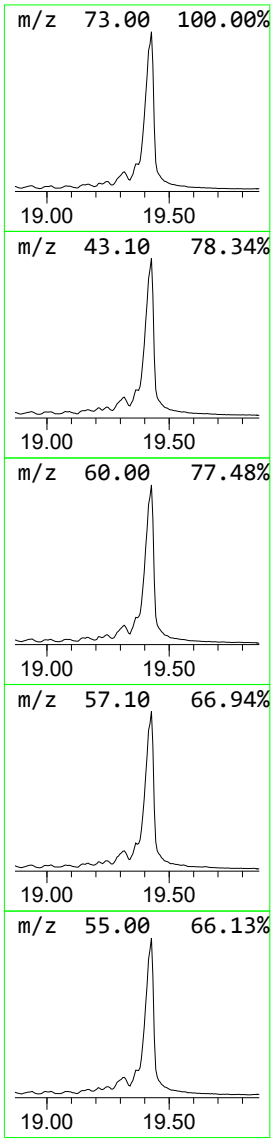
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Peak Number 14 unknown19.369 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.369	17.30 ng	3039910	Chrysene-d12	21.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
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Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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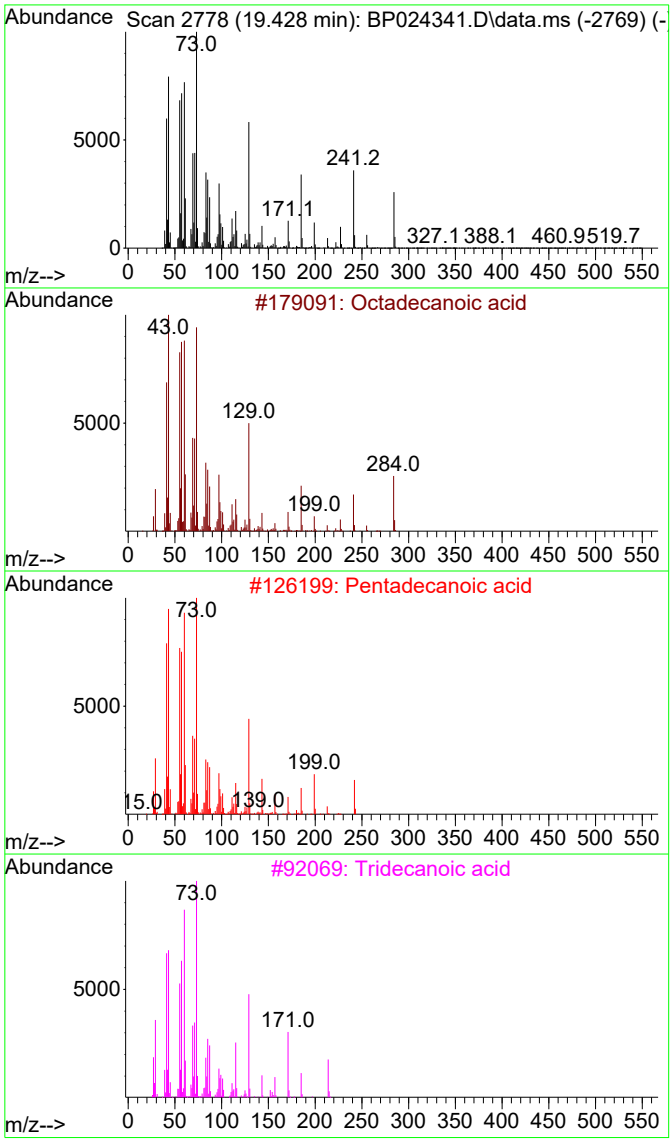
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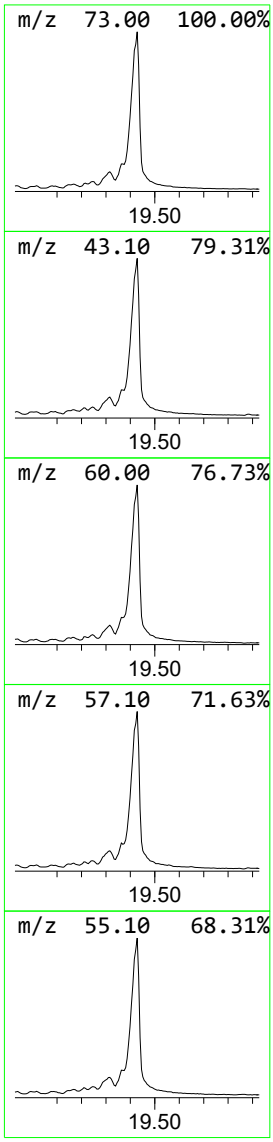
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Peak Number 15 unknown19.427 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.427	198.66 ng	34909300	Chrysene-d12	21.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :
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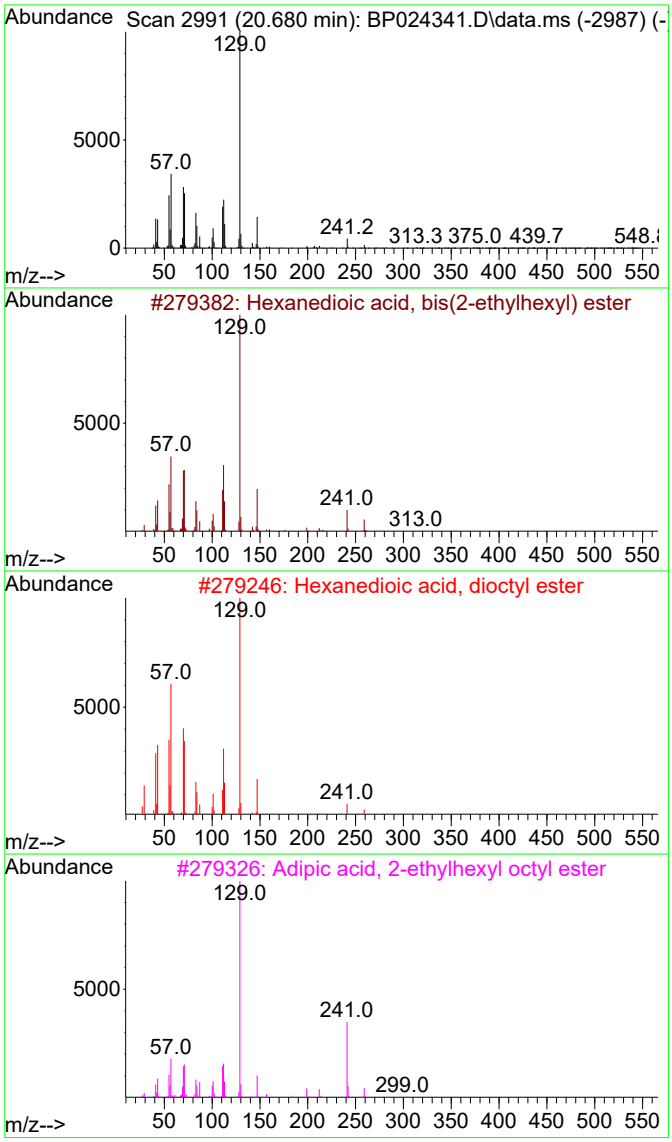
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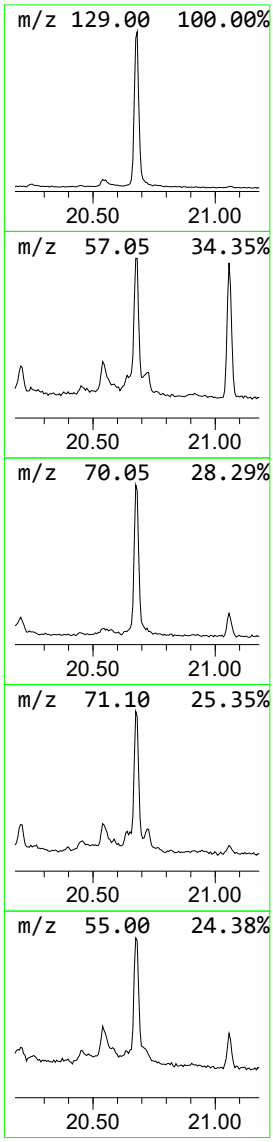
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****
Peak Number 16 Hexanedioic acid, bis(2-eth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.680	4.17 ng	733179	Chrysene-d12	21.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
2	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	90
3	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	83
4	Adipic acid, 2-ethylhexyl isobut...	314	C18H34O4	1010324-48-0	59
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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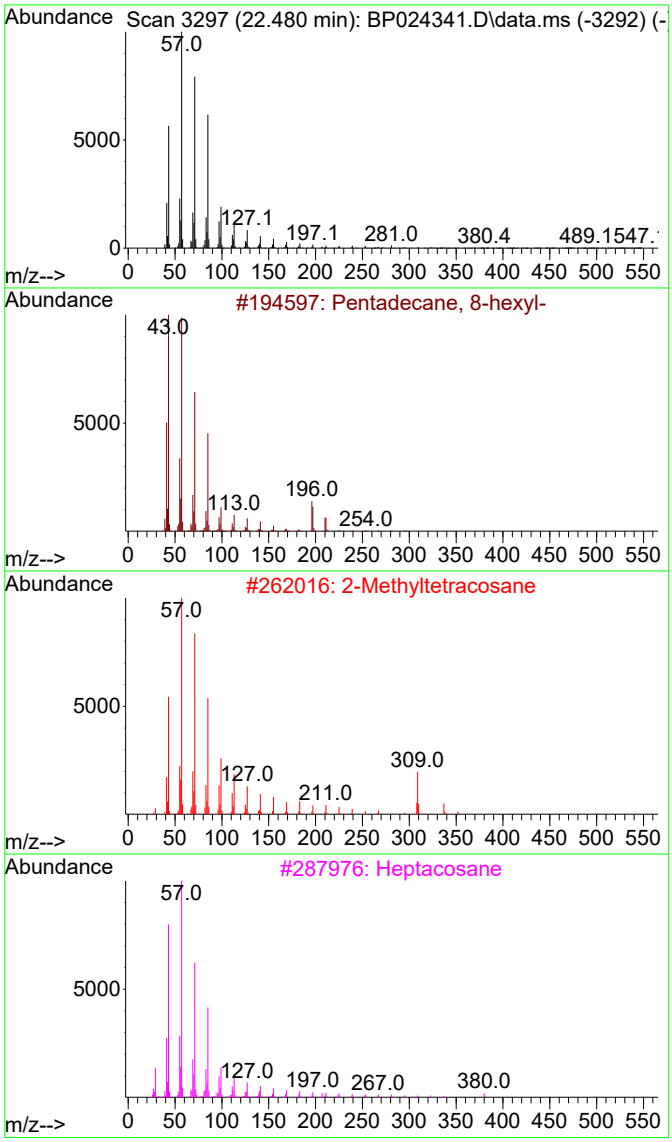
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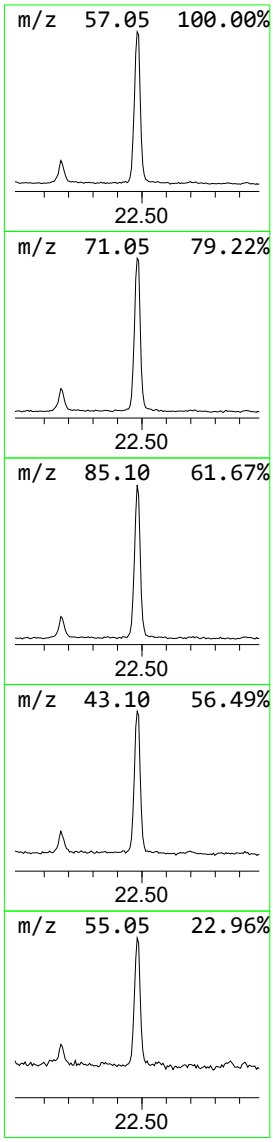
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Peak Number 17 Pentadecane, 8-hexyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.480	6.90 ng	1213000	Chrysene-d12	21.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
2	2-Methyltetracosane	352	C25H52	001560-78-7	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Heneicosane	296	C21H44	000629-94-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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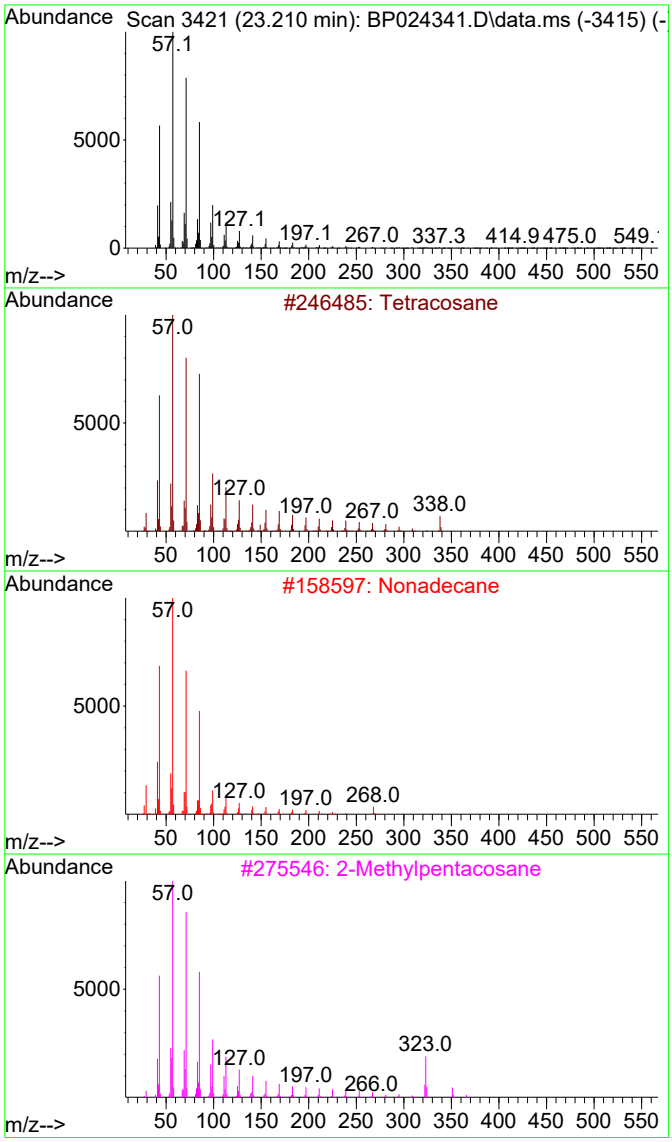
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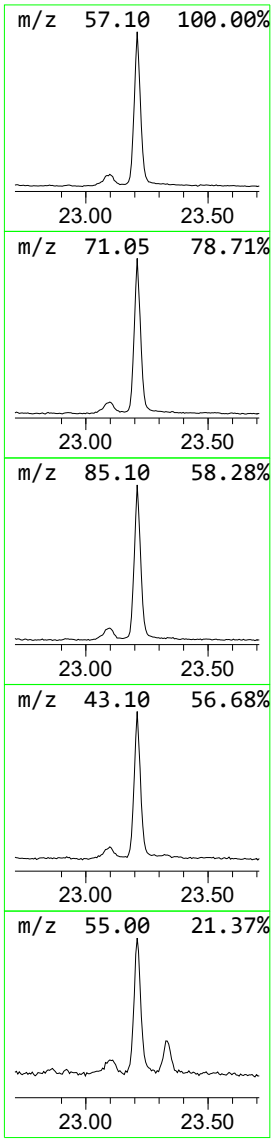
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Peak Number 18 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.210	10.30 ng	1809360	Chrysene-d12	21.580

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	95
2	Nonadecane	268	C19H40	000629-92-5	94
3	2-Methylpentacosane	366	C26H54	000629-87-8	93
4	Eicosane, 9-octyl-	394	C28H58	013475-77-9	93
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

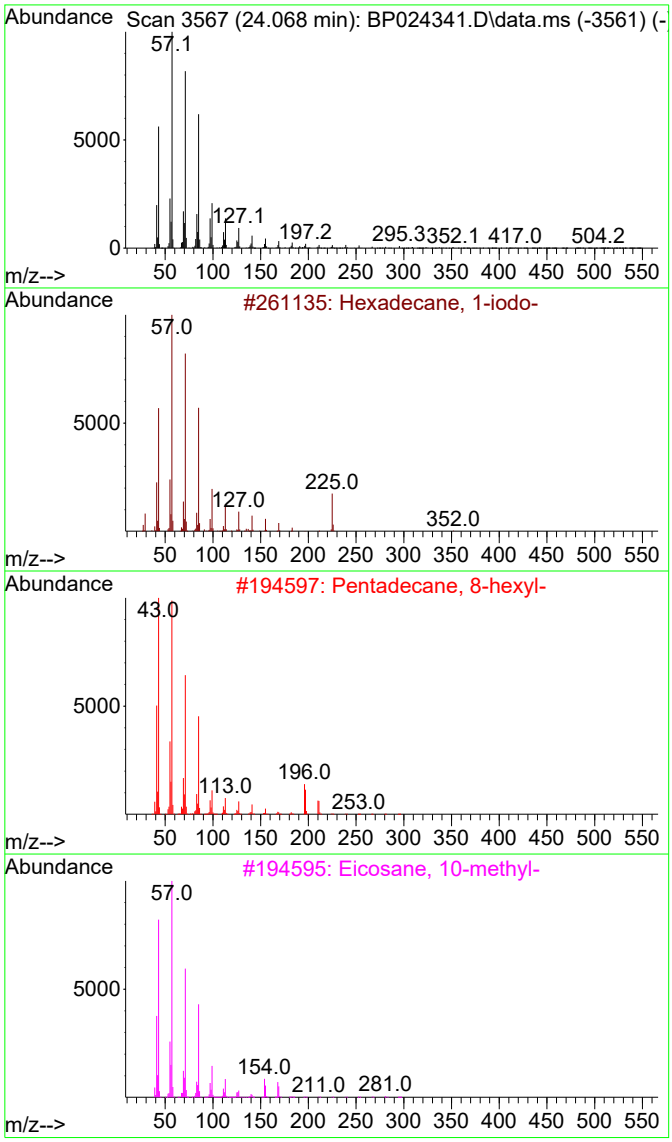
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

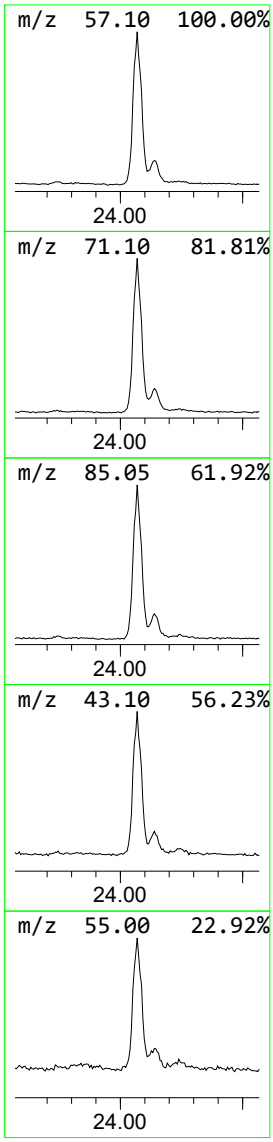
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Peak Number 19 Hexadecane, 1-iodo- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.069	7.54 ng	1505240	Perylene-d12	24.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	96
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
4	Triacontane	422	C30H62	000638-68-6	91
5	Heneicosane	296	C21H44	000629-94-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

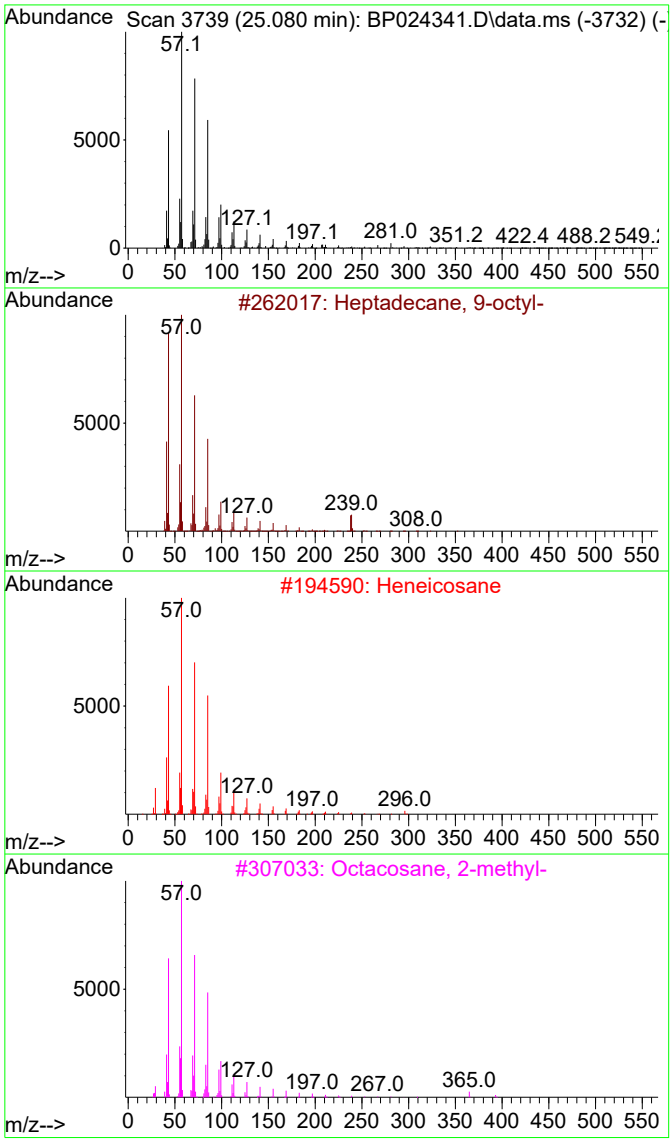
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

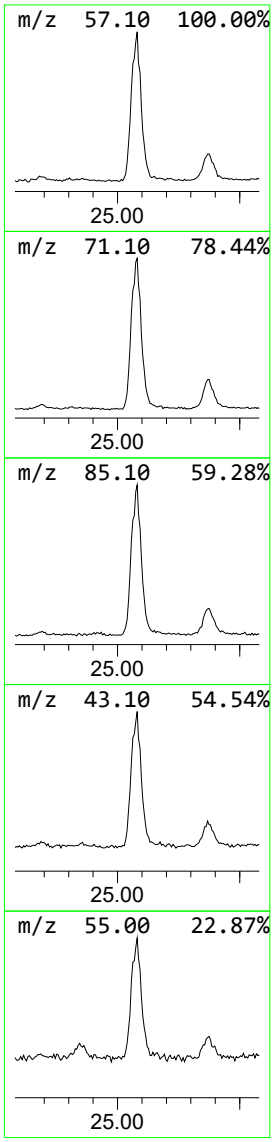
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Peak Number 20 Heptadecane, 9-octyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.080	6.34 ng	1265710	Perylene-d12	24.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Hexacosane, 1-iodo-	492	C26H53I	1000406-32-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024341.D
Acq On : 18 Apr 2025 14:00
Operator : RC/JU
Sample : Q1812-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RINSE-EB-PUMP-041525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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
1-Hexanol, 2-et...	7.805	8.3	ng	583152	1	7.722	1405190	20.0
Hexanoic acid, ...	9.040	8.7	ng	607811	1	7.722	1405190	20.0
n-Hexadecanoic ...	14.257	4.8	ng	637716	3	14.345	2672820	20.0
Octadecanoic acid	16.234	196.1	ng	37083900	4	17.145	3781780	20.0
Pentadecanoic acid	16.475	7.7	ng	1463550	4	17.145	3781780	20.0
Tridecanoic acid	16.598	8.7	ng	1635420	4	17.145	3781780	20.0
Octadecanoic ac...	16.722	4.8	ng	902215	4	17.145	3781780	20.0
Tetradecanoic acid	17.081	5.2	ng	983684	4	17.145	3781780	20.0
unknown17.416	17.416	9.2	ng	1734890	4	17.145	3781780	20.0
unknown17.810	17.810	4.0	ng	753061	4	17.145	3781780	20.0
n-Decanoic acid	17.898	4.3	ng	809207	4	17.145	3781780	20.0
unknown18.098	18.098	81.7	ng	15453900	4	17.145	3781780	20.0
unknown19.136	19.316	18.0	ng	3396630	4	17.145	3781780	20.0
unknown19.369	19.369	17.3	ng	3039910	5	21.580	3514400	20.0
unknown19.427	19.427	198.7	ng	34909300	5	21.580	3514400	20.0
Hexanedioic aci...	20.680	4.2	ng	733179	5	21.580	3514400	20.0
Pentadecane, 8-...	22.480	6.9	ng	1213000	5	21.580	3514400	20.0
Tetracosane	23.210	10.3	ng	1809360	5	21.580	3514400	20.0
Hexadecane, 1-i...	24.069	7.5	ng	1505240	6	24.921	3992000	20.0
Heptadecane, 9-...	25.080	6.3	ng	1265710	6	24.921	3992000	20.0

CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP0242
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)		Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)		n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5)	S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)		Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7)	S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)		2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)		Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10)	C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)		bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)		1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13)	C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)		1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)		Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)		2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)		2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)		Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19)	P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)		3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23)	S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)		Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)		Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26)	C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)		2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)		bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29)	C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)		1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)		Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)		Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)		4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34)	C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)		Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36)	C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)		2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)		1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33
41)	P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92
42)	S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29
43)	C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51
44)		2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62
45)	S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08
46)		1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07
47)		2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60
48)		2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98
49)		Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11
50)		Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22
51)		2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58
52)	C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35
53)		3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25
54)	P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22
55)		Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84
56)	P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90
57)		2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82
58)		Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40
59)		2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57
60)		Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16
61)		4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95
62)		4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99
63)		Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50
66)	c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71
67)		4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11
68)		Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67
69)		Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57
70)	C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35
71)		Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27
72)		Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85
73)		Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78
74)		Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30
75)	C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39
78)		Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38
79)	S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42
80)		Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25
81)		Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08
82)		3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30
83)		Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88
84)		Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09
85)	c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.304	1.407	1.444	1.401	1.445	1.466	1.388	5.77
88)		Benzo(b)fluora...	1.130	1.174	1.217	1.258	1.196	1.205	1.212	1.199	3.30
89)		Benzo(k)fluora...	1.088	1.131	1.217	1.212	1.154	1.166	1.138	1.158	3.94
90)	C	Benzo(a)pyrene	0.939	0.971	1.057	1.091	1.053	1.070	1.058	1.034	5.44
91)		Dibenzo(a,h)an...	1.046	1.089	1.172	1.203	1.169	1.186	1.202	1.152	5.28
92)		Benzo(g,h,i)pe...	1.073	1.110	1.198	1.218	1.180	1.209	1.224	1.173	4.99

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

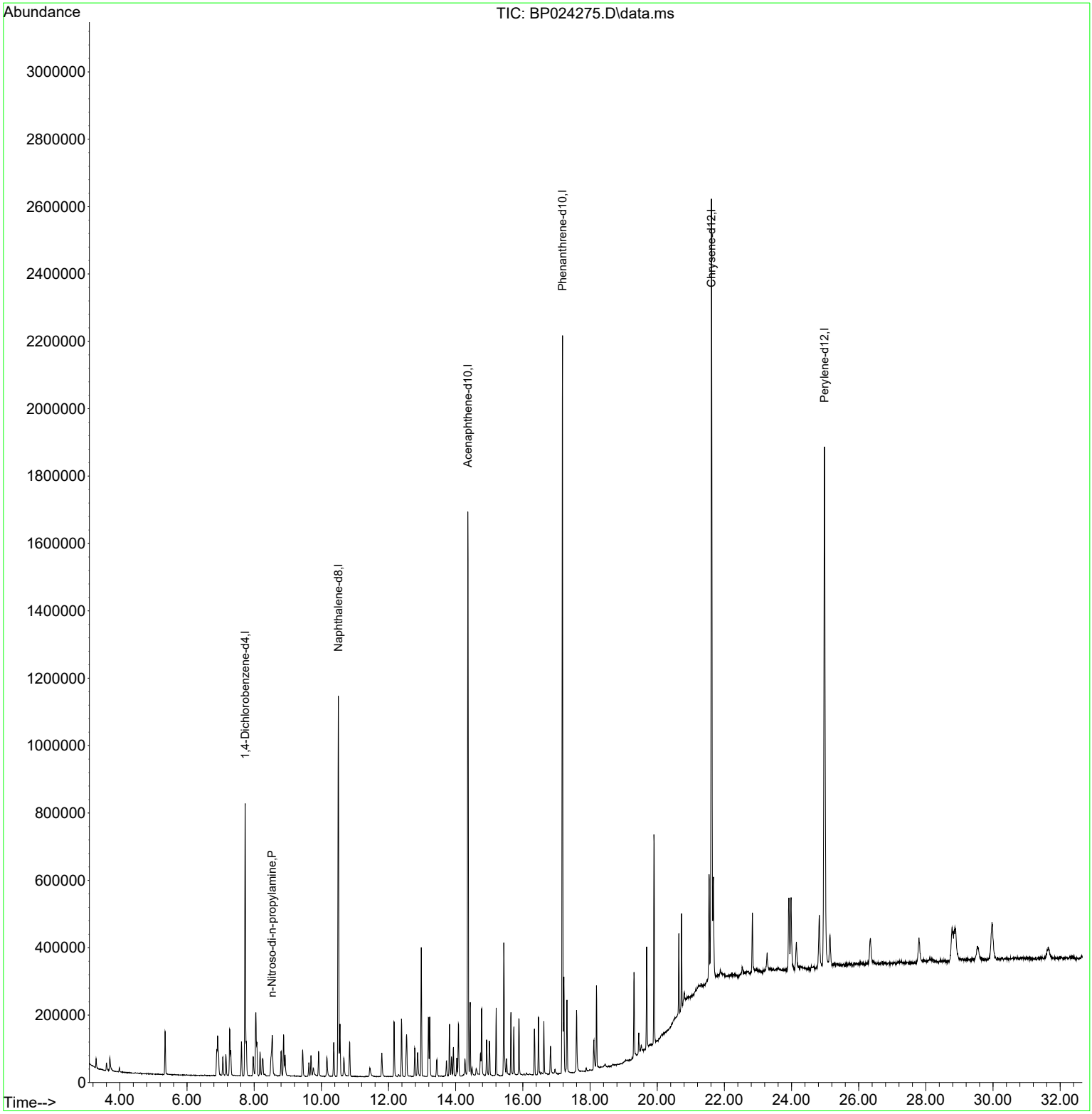
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	229109	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	962244	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	614109	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1238206	20.000	ng	0.02
76) Chrysene-d12	21.616	240	1367665	20.000	ng	0.00
86) Perylene-d12	24.980	264	1473609	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...	8.528	70	26959	2.285	ng	96

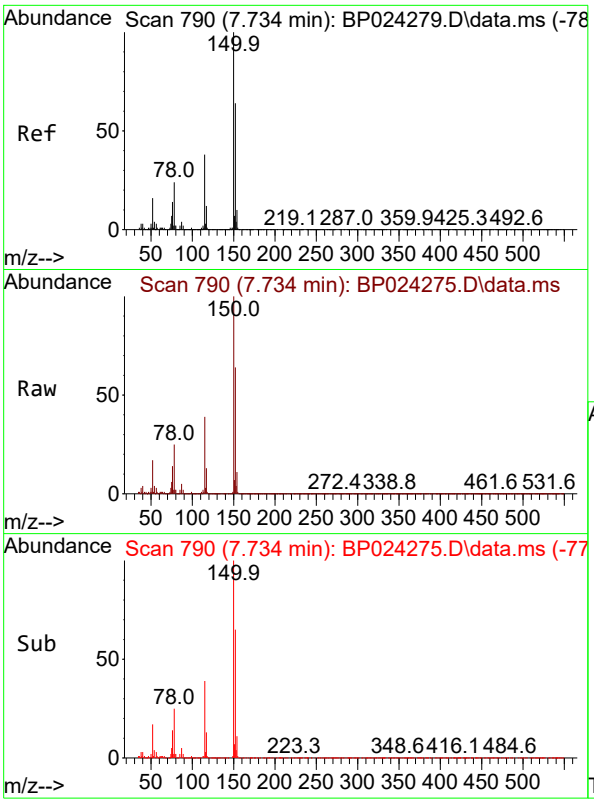
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



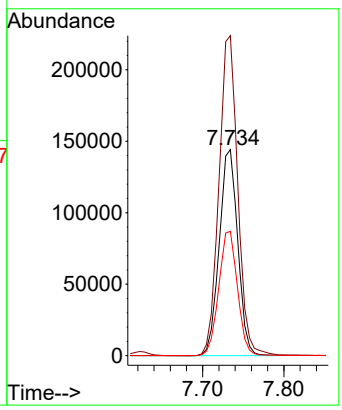


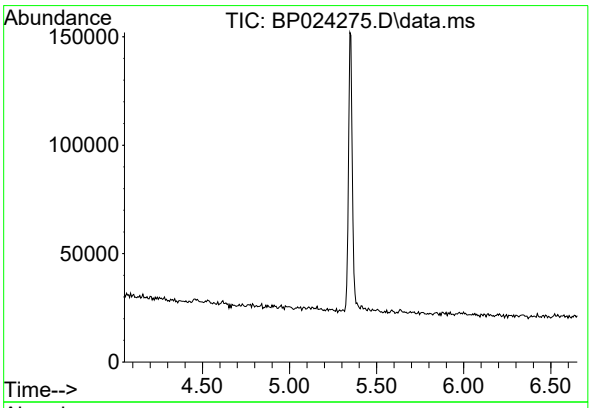
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 229109

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.9	187.3
115	60.4	47.7	71.5



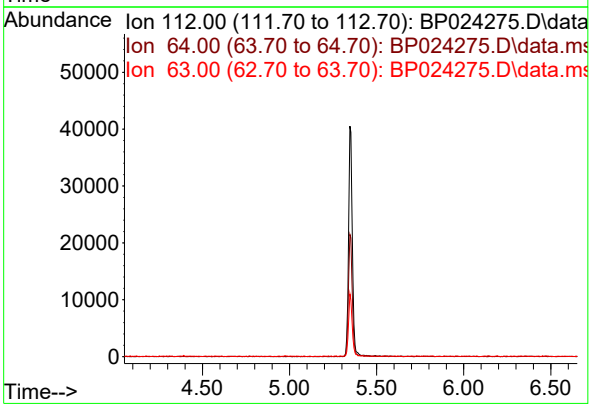


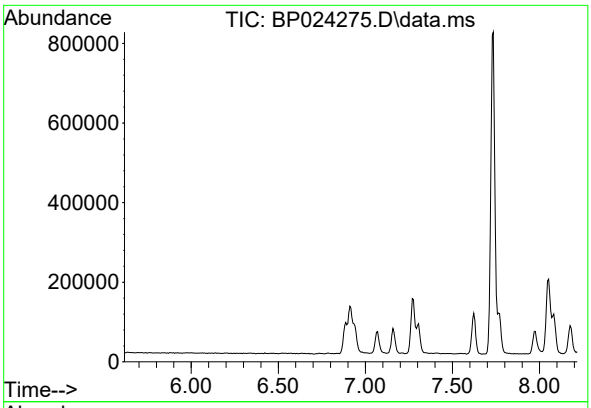
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.35 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.4
63	25.7





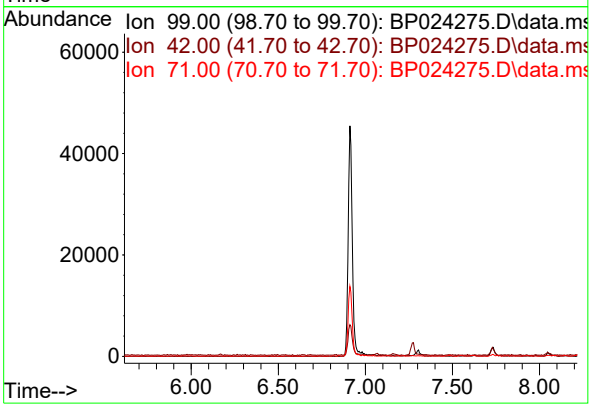
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.92 min

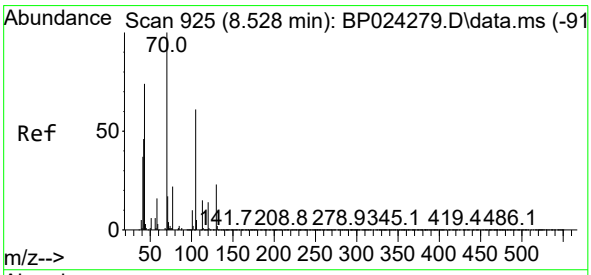
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

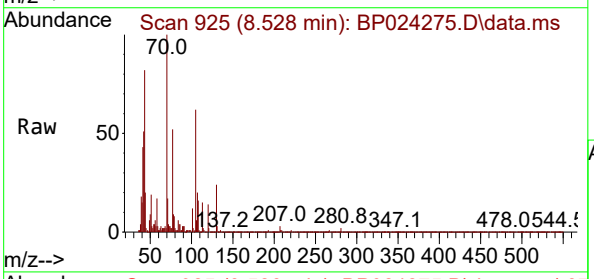
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

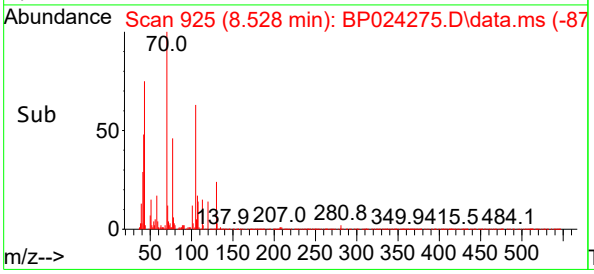
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	13.3
71	29.6





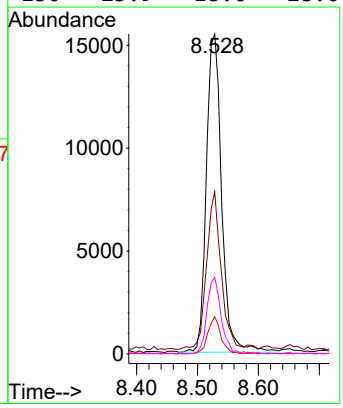


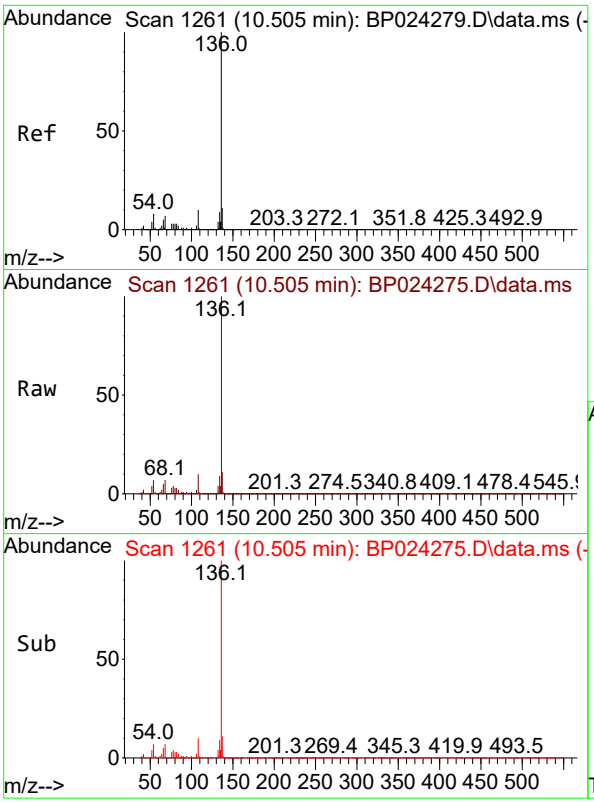


#19
n-Nitroso-di-n-propylamine
Concen: 2.285 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 70 Resp: 26959

Ion	Ratio	Lower	Upper
70	100		
42	50.7	37.3	55.9
101	11.7	8.2	12.4
130	23.9	18.6	28.0



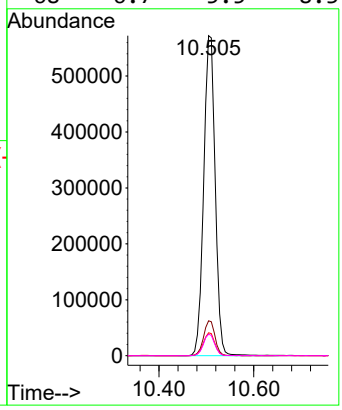


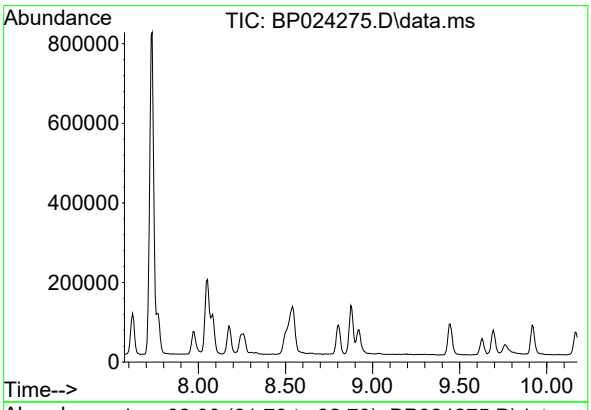
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 962244

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.2	6.0	9.0
68	6.7	5.5	8.3



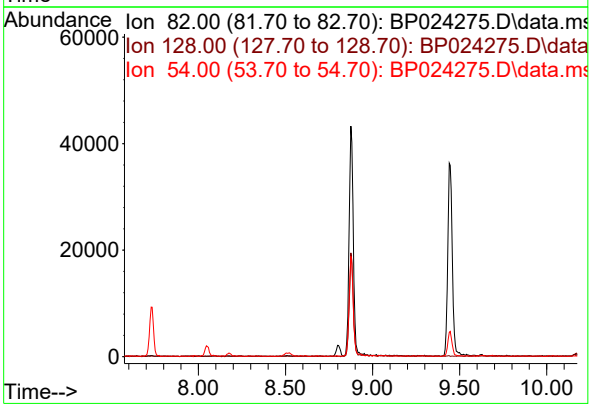


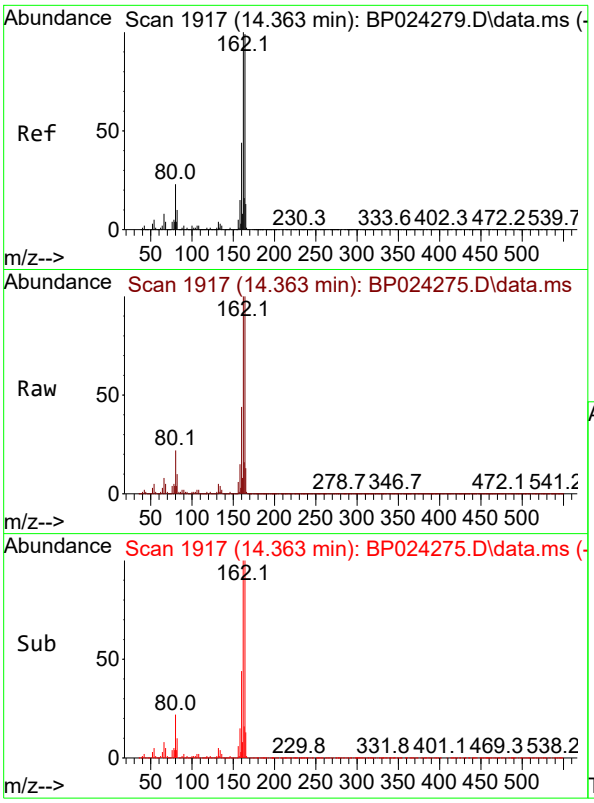
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.88 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.6
54	41.8



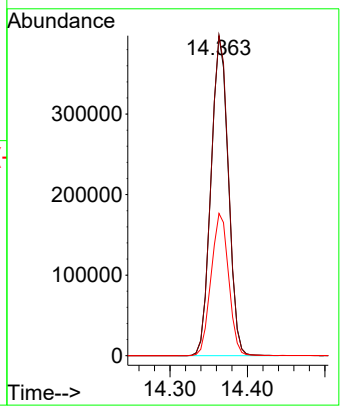


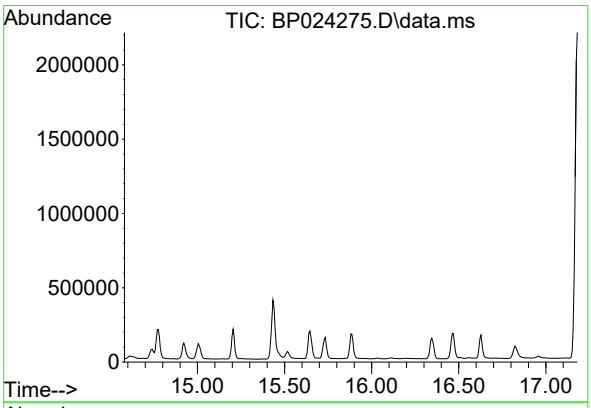
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 614109

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.5	35.3	52.9



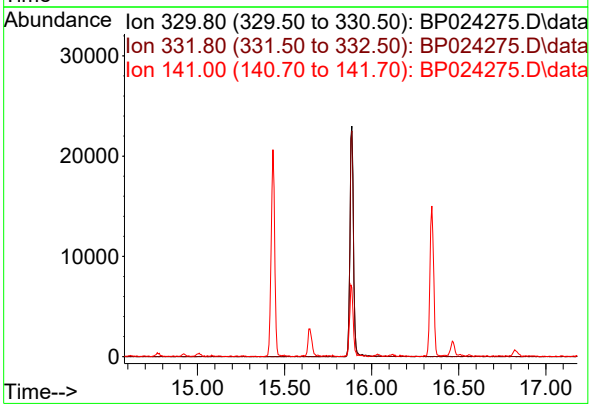


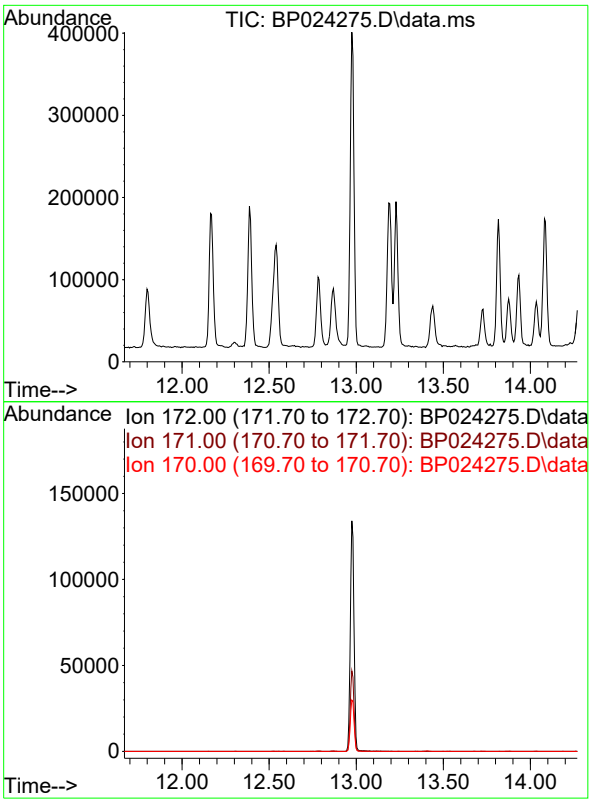
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.88 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.4
141	30.9





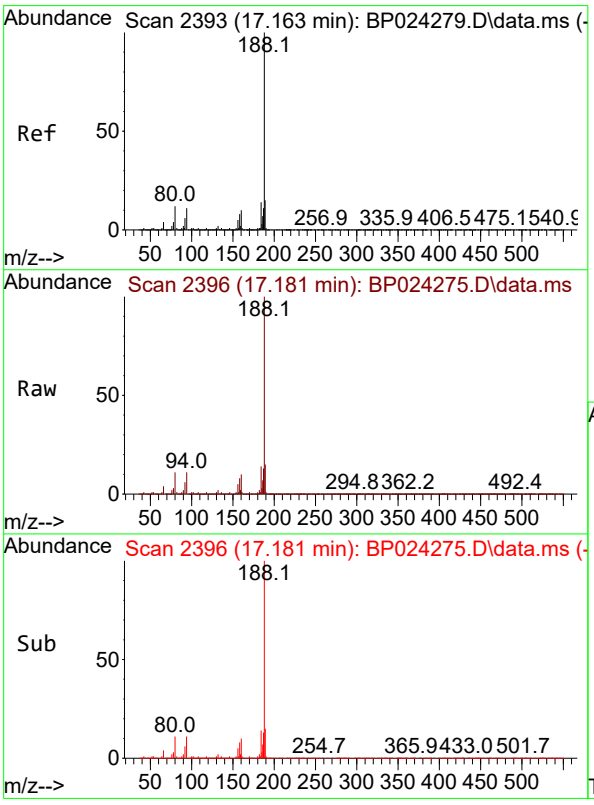
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.97 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

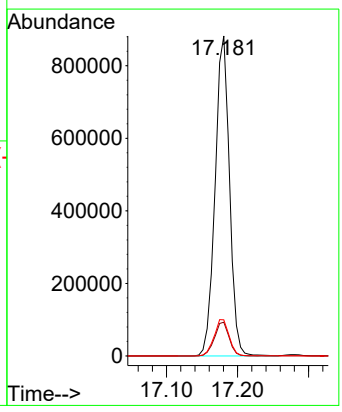
Sig	Exp Ratio
172	100
171	35.2
170	23.2

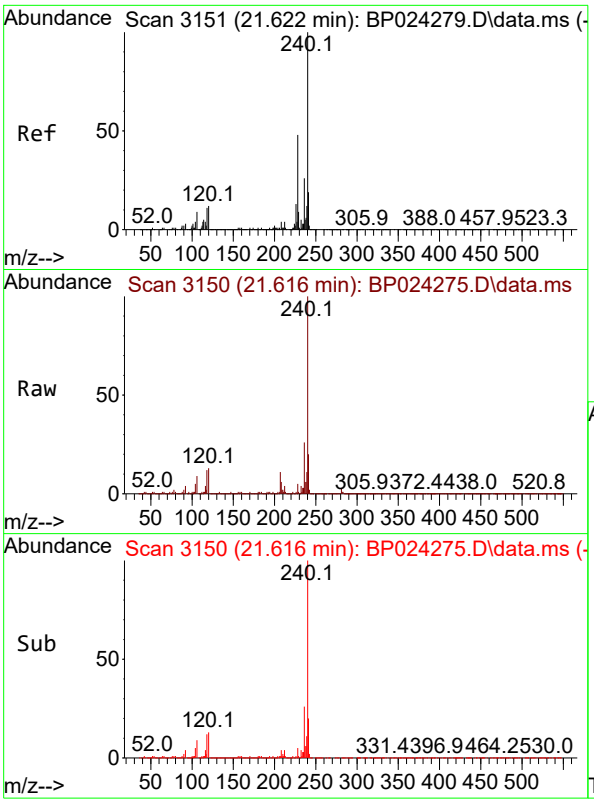


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion:188 Resp: 1238206

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.3	9.8	14.6



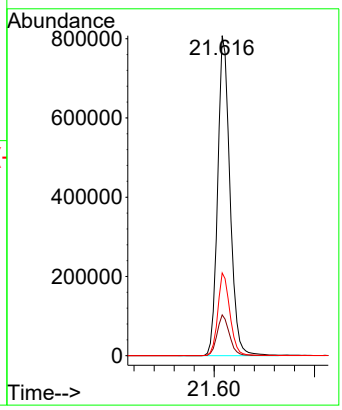


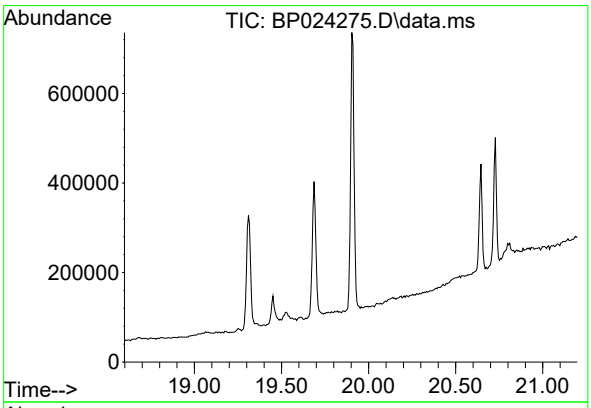
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1367665

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.9	20.9	31.3



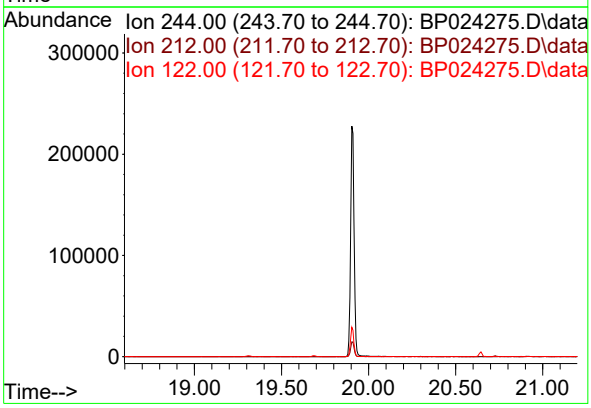


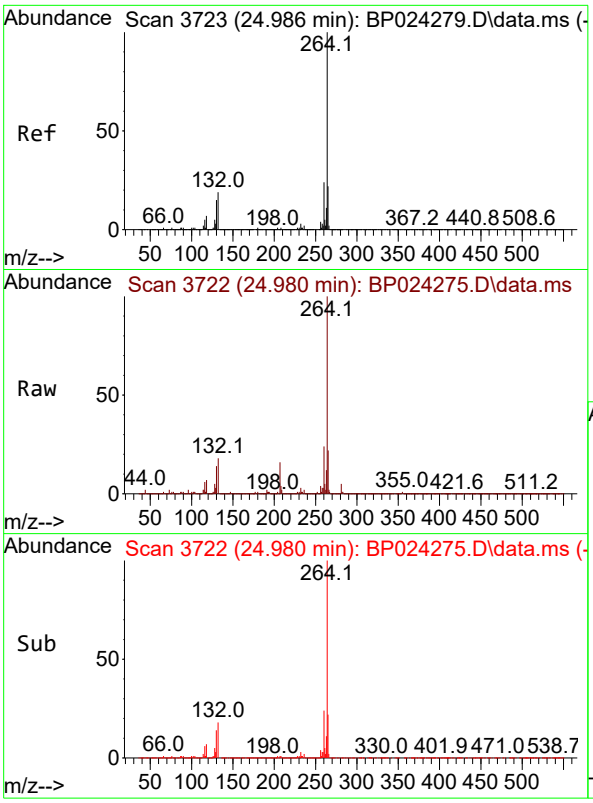
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.90 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.7



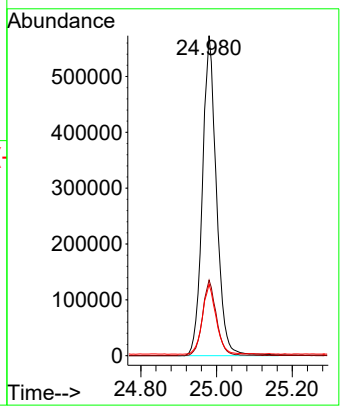


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1473609

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.3	17.8	26.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	223010	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	946483	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	609743	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1234074	20.000	ng		0.00
76) Chrysene-d12	21.610	240	1401979	20.000	ng		-0.01
86) Perylene-d12	24.968	264	1519057	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	125173	9.263	ng		0.00
7) Phenol-d6	6.916	99	163122	8.824	ng		0.00
23) Nitrobenzene-d5	8.875	82	152286	9.160	ng		0.00
42) 2,4,6-Tribromophenol	15.875	330	71560	8.571	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	406060	10.111	ng		0.00
79) Terphenyl-d14	19.886	244	677812	9.638	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	30738	5.328	ng		100
3) Pyridine	3.699	79	70539	4.697	ng		97
4) n-Nitrosodimethylamine	3.599	42	23634	4.720	ng	#	90
6) Aniline	7.069	93	80239	4.808	ng		99
8) 2-Chlorophenol	7.305	128	70239	4.651	ng		98
9) Benzaldehyde	6.887	77	52595m	5.493	ng		
10) Phenol	6.940	94	82245	4.431	ng		97
11) bis(2-Chloroethyl)ether	7.163	93	71228	4.749	ng		97
12) 1,3-Dichlorobenzene	7.622	146	81600	4.987	ng		98
13) 1,4-Dichlorobenzene	7.769	146	83408	5.027	ng		99
14) 1,2-Dichlorobenzene	8.081	146	82066	5.115	ng		98
15) Benzyl Alcohol	7.975	79	47777	4.032	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.258	45	80975	4.962	ng		97
17) 2-Methylphenol	8.175	107	51039	4.267	ng		99
18) Hexachloroethane	8.805	117	29643	4.950	ng		99
19) n-Nitroso-di-n-propyla...	8.528	70	56212	4.896	ng		96
20) 3+4-Methylphenols	8.505	107	68264	4.120	ng		99
22) Acetophenone	8.546	105	111159	4.725	ng		99
24) Nitrobenzene	8.922	77	77593	4.709	ng		96
25) Isophorone	9.446	82	136090	4.534	ng		99
26) 2-Nitrophenol	9.628	139	30712	3.882	ng		99
27) 2,4-Dimethylphenol	9.693	122	42510	4.239	ng		94
28) bis(2-Chloroethoxy)met...	9.922	93	97512	4.774	ng		98
29) 2,4-Dichlorophenol	10.169	162	57301	4.193	ng		97
30) 1,2,4-Trichlorobenzene	10.369	180	72789	4.923	ng		98
31) Naphthalene	10.557	128	246999	4.930	ng		99
33) 4-Chloroaniline	10.669	127	77667	4.437	ng		98
34) Hexachlorobutadiene	10.846	225	42723	4.926	ng		99
35) Caprolactam	11.446	113	20082	4.002	ng		94
36) 4-Chloro-3-methylphenol	11.804	107	67116	4.214	ng		100
37) 2-Methylnaphthalene	12.169	142	165617	4.770	ng		99
38) 1-Methylnaphthalene	12.399	142	165656	4.870	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	79501	4.744	ng		100
41) Hexachlorocyclopentadiene	12.528	237	24696	4.198	ng		96
43) 2,4,6-Trichlorophenol	12.787	196	45925	4.165	ng		95
44) 2,4,5-Trichlorophenol	12.863	196	50675	4.147	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

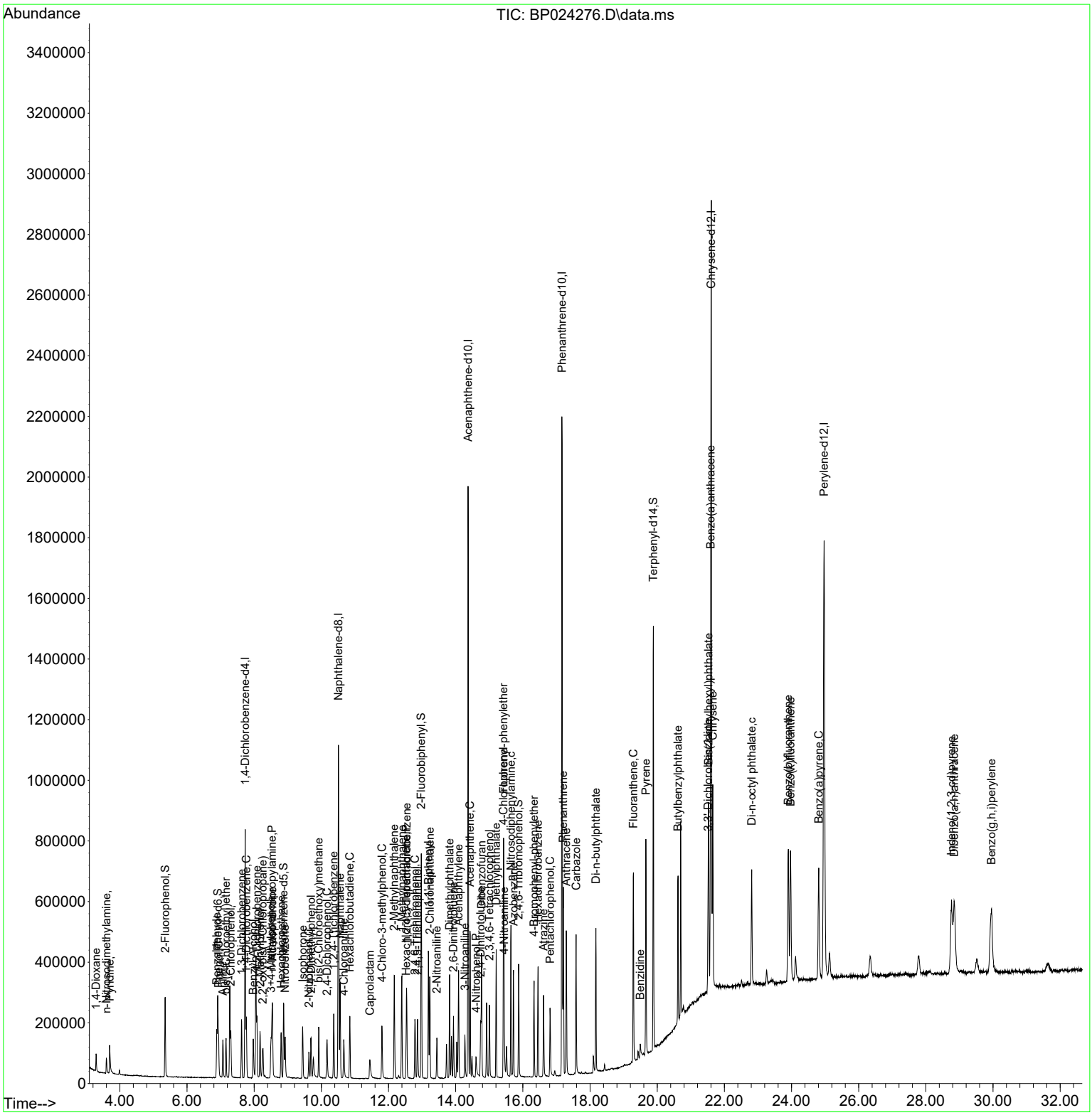
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	13.187	154	221653	4.922	ng		99
47)	2-Chloronaphthalene	13.234	162	162099	4.824	ng		99
48)	2-Nitroaniline	13.440	65	38152	4.111	ng		90
49)	Acenaphthylene	14.087	152	244566	4.637	ng		99
50)	Dimethylphthalate	13.822	163	217848	4.897	ng		100
51)	2,6-Dinitrotoluene	13.934	165	40182	4.287	ng		94
52)	Acenaphthene	14.428	154	165694	4.940	ng		97
53)	3-Nitroaniline	14.275	138	38178	3.926	ng	#	94
55)	Dibenzofuran	14.769	168	274506	4.991	ng		99
56)	4-Nitrophenol	14.610	139	29033	3.473	ng		98
57)	2,4-Dinitrotoluene	14.745	165	50843	4.013	ng		97
58)	Fluorene	15.428	166	209763	4.939	ng		97
59)	2,3,4,6-Tetrachlorophenol	15.004	232	49911	4.415	ng		98
60)	Diethylphthalate	15.204	149	221119	4.830	ng		99
61)	4-Chlorophenyl-phenyle...	15.422	204	101636	4.928	ng		99
62)	4-Nitroaniline	15.445	138	40139	3.893	ng		96
63)	Azobenzene	15.722	77	193402	4.586	ng		99
66)	n-Nitrosodiphenylamine	15.645	169	174867	4.726	ng		99
67)	4-Bromophenyl-phenylether	16.334	248	62558	4.647	ng		97
68)	Hexachlorobenzene	16.451	284	76267	4.766	ng		96
69)	Atrazine	16.616	200	54439	5.803	ng		98
70)	Pentachlorophenol	16.810	266	44119	4.015	ng		98
71)	Phenanthrene	17.204	178	338611	5.005	ng		100
72)	Anthracene	17.292	178	307065	4.716	ng		99
73)	Carbazole	17.586	167	298495	4.711	ng		100
74)	Di-n-butylphthalate	18.175	149	354008	4.484	ng		100
75)	Fluoranthene	19.292	202	397601	4.951	ng		99
77)	Benzidine	19.498	184	50615m	2.925	ng		
78)	Pyrene	19.663	202	417746	4.657	ng		99
80)	Butylbenzylphthalate	20.622	149	152196	4.024	ng		99
81)	Benzo(a)anthracene	21.592	228	418745	4.791	ng		100
82)	3,3'-Dichlorobenzidine	21.516	252	121047	3.994	ng		99
83)	Chrysene	21.657	228	413570	4.937	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.533	149	223960	4.021	ng		98
85)	Di-n-octyl phthalate	22.816	149	331185	3.712	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.762	276	475578	4.552	ng	#	92
88)	Benzo(b)fluoranthene	23.904	252	429214	4.723	ng		99
89)	Benzo(k)fluoranthene	23.968	252	413302	4.686	ng		99
90)	Benzo(a)pyrene	24.810	252	356658	4.559	ng		98
91)	Dibenzo(a,h)anthracene	28.845	278	397247	4.571	ng		100
92)	Benzo(g,h,i)perylene	29.951	276	407522	4.607	ng		99

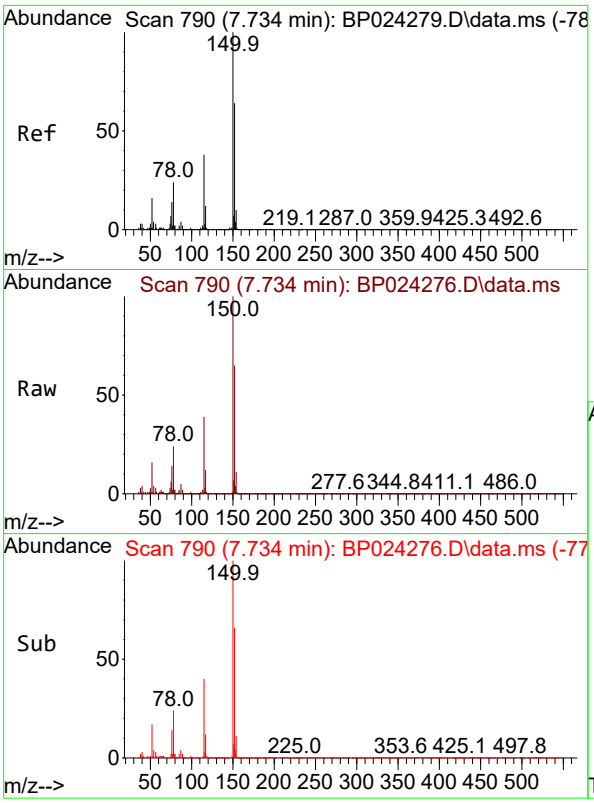
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



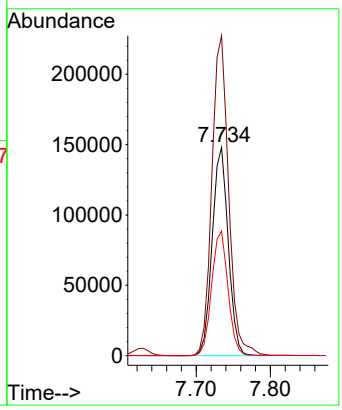


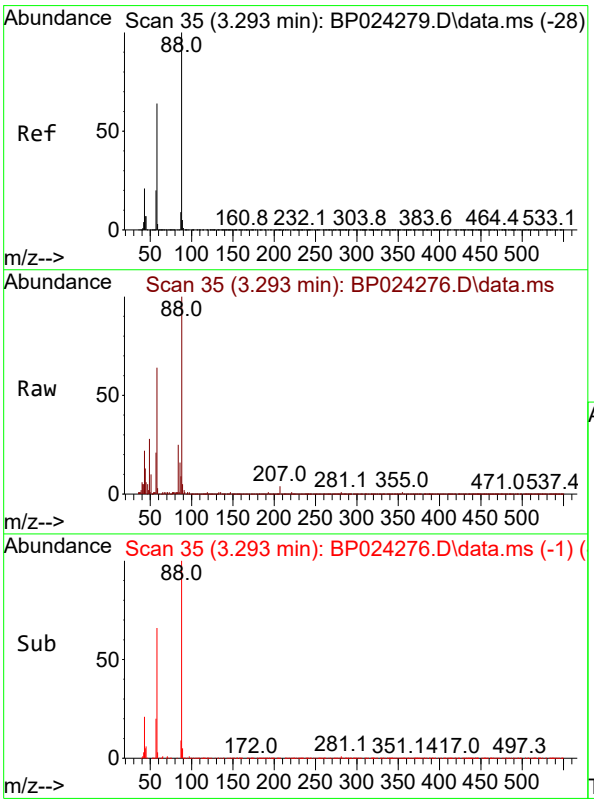
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 223010

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.9	187.3
115	59.8	47.7	71.5

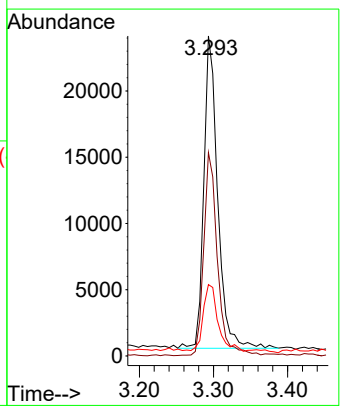


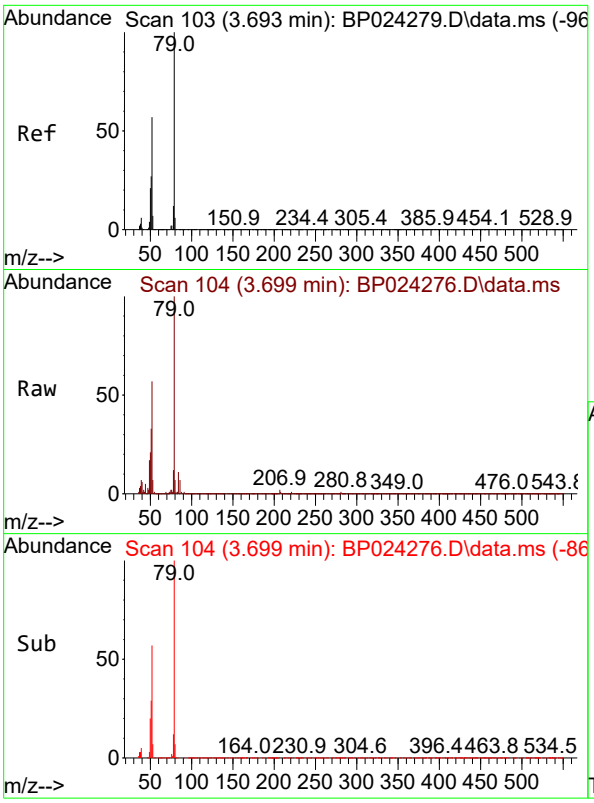


#2
1,4-Dioxane
Concen: 5.328 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 88 Resp: 30738

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	22.3	17.1	25.7



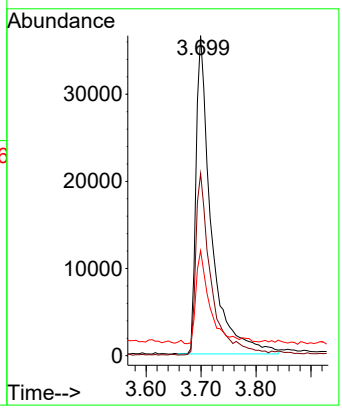


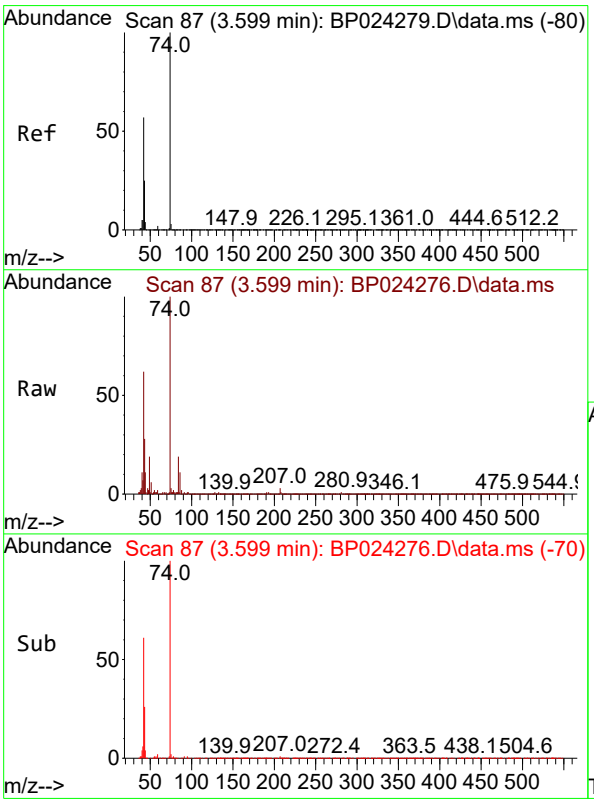
#3
Pyridine
Concen: 4.697 ng
RT: 3.699 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 70539

Ion	Ratio	Lower	Upper
79	100		
52	56.9	45.4	68.2
51	32.8	22.6	33.8

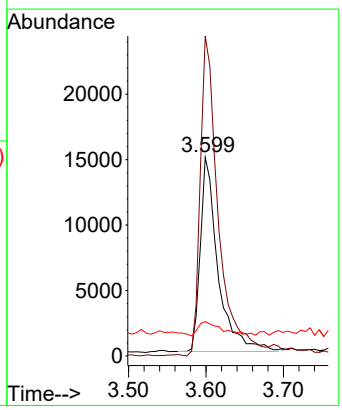


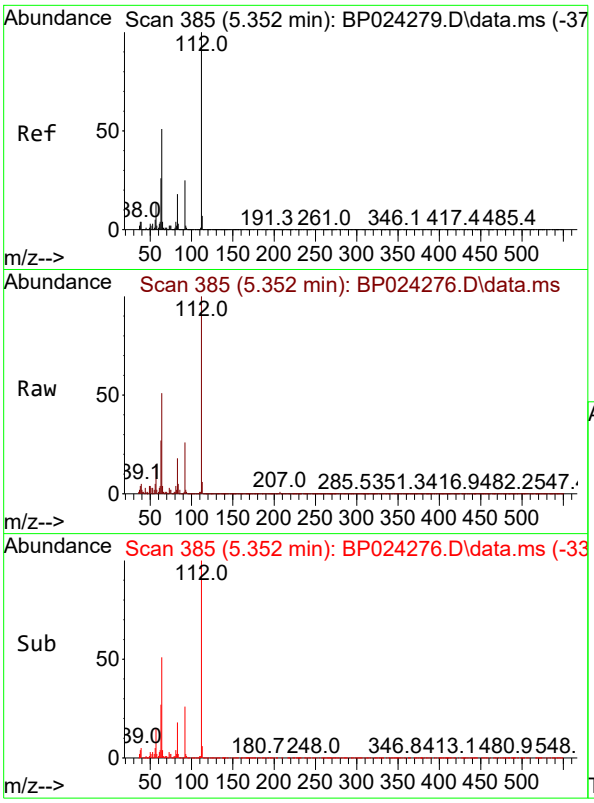


#4
n-Nitrosodimethylamine
Concen: 4.720 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 42 Resp: 23634

Ion	Ratio	Lower	Upper
42	100		
74	161.0	139.5	209.3
44	17.2	5.8	8.8#



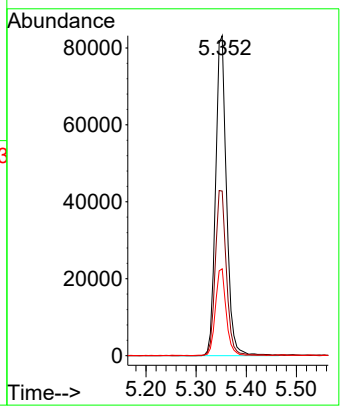


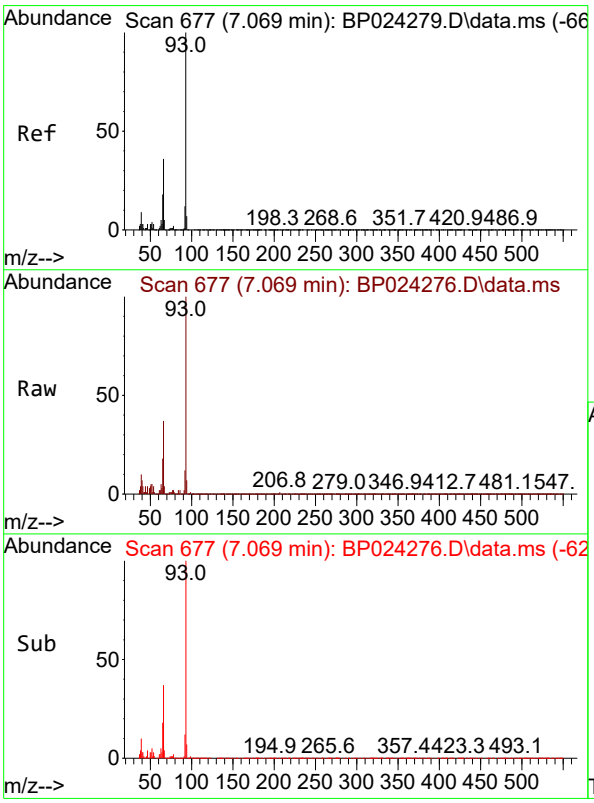
#5
2-Fluorophenol
Concen: 9.263 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 125173

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	27.1	20.6	30.8

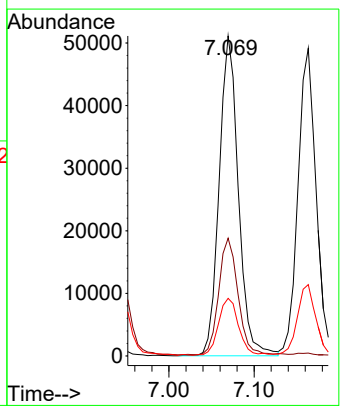


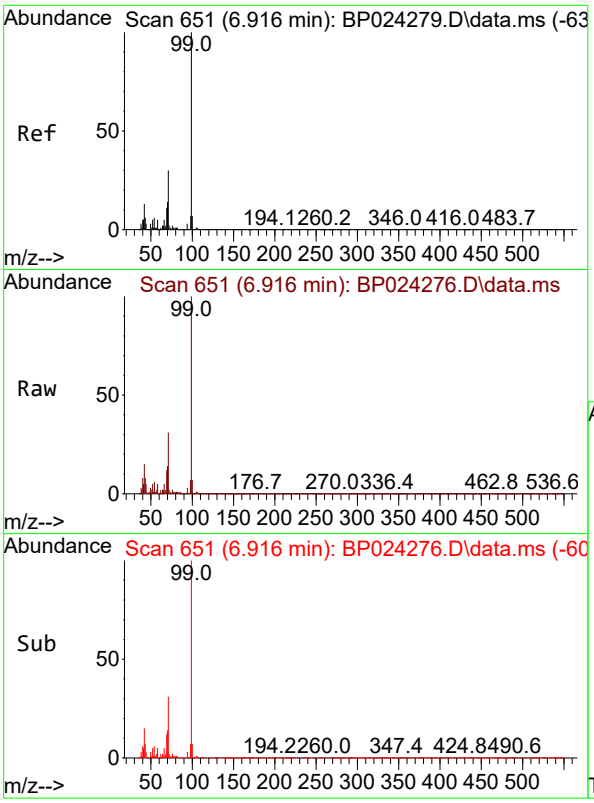


#6
Aniline
Concen: 4.808 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 80239

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.0	14.7	22.1



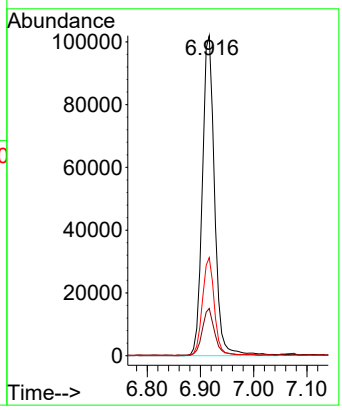


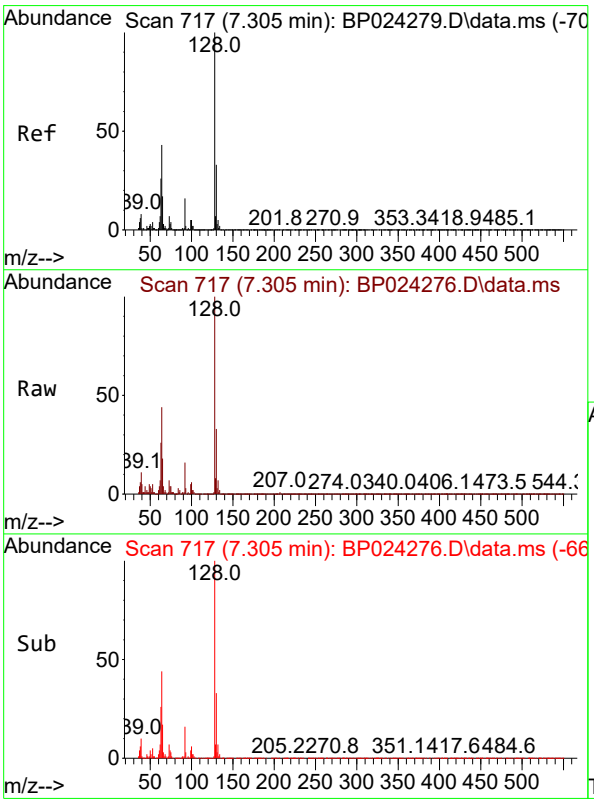
#7
Phenol-d6
Concen: 8.824 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 163122

Ion	Ratio	Lower	Upper
99	100		
42	14.7	10.6	16.0
71	30.7	23.7	35.5

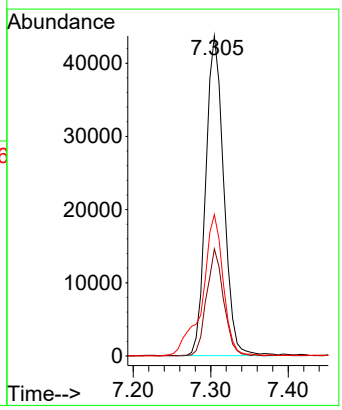


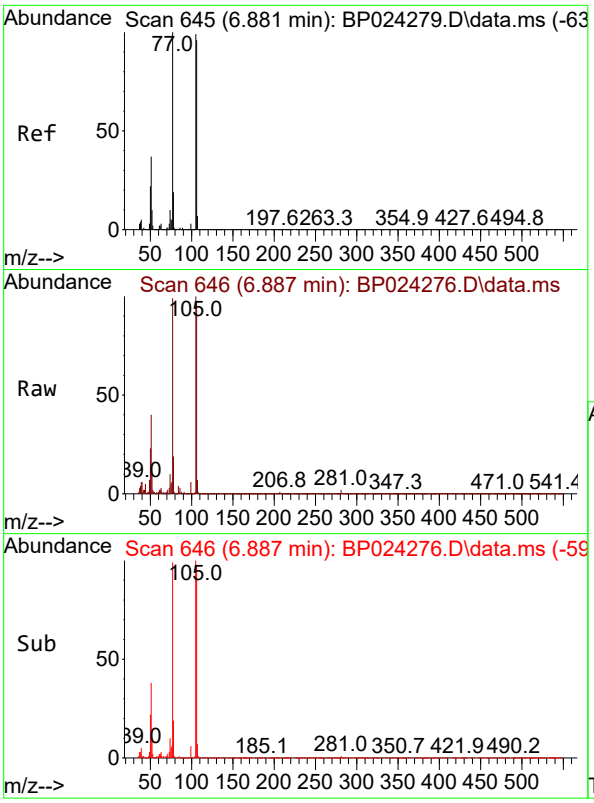


#8
2-Chlorophenol
Concen: 4.651 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:128 Resp: 70239

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.9	52.9
64	44.2	22.7	62.7



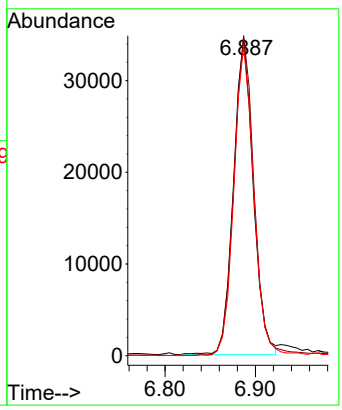


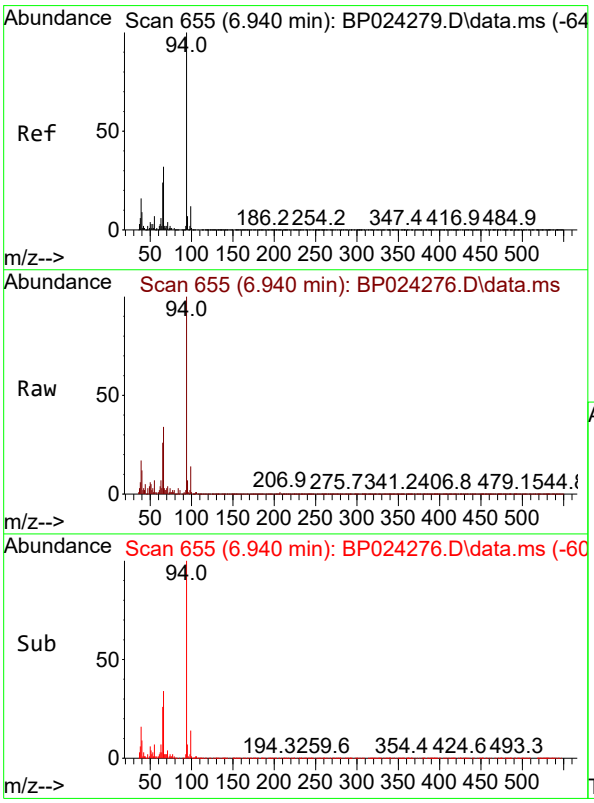
#9
Benzaldehyde
Concen: 5.493 ng m
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 52595

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.2	119.2
106	97.4	76.2	116.2

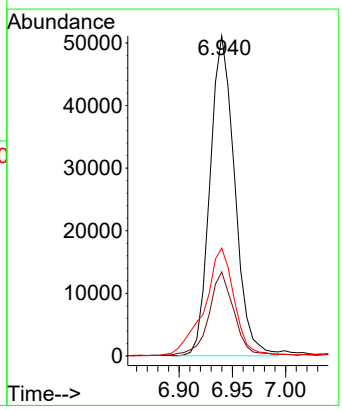


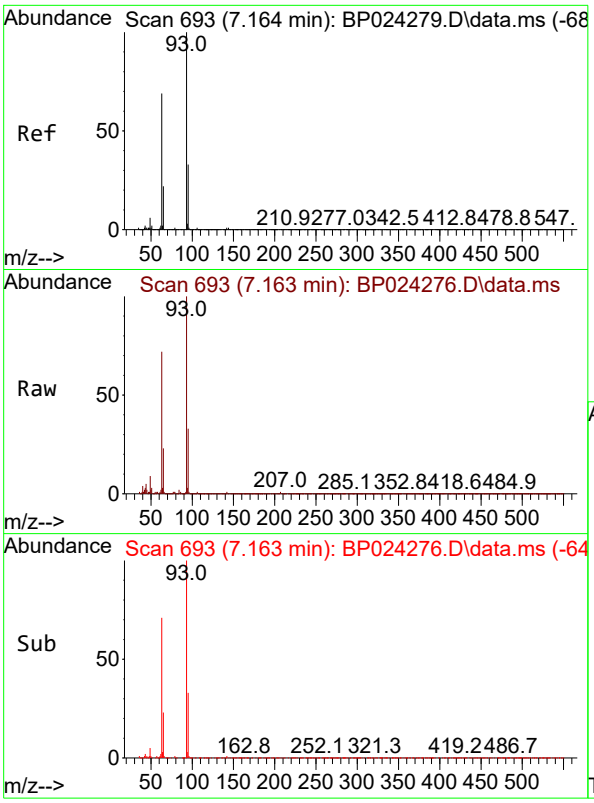


#10
Phenol
Concen: 4.431 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 94 Resp: 82245

Ion	Ratio	Lower	Upper
94	100		
65	26.3	4.5	44.5
66	33.7	12.4	52.4



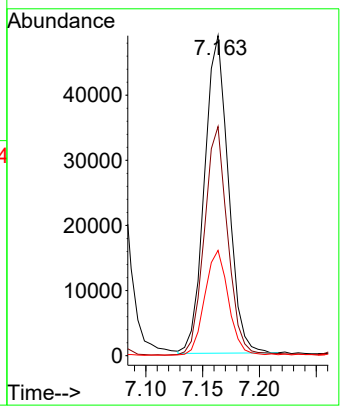


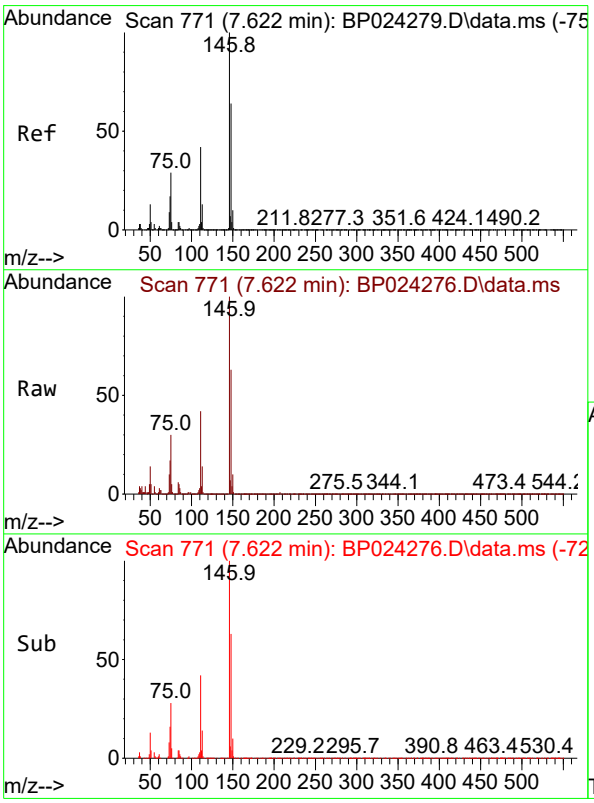
#11
bis(2-Chloroethyl)ether
Concen: 4.749 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 71228

Ion	Ratio	Lower	Upper
93	100		
63	71.6	48.6	88.6
95	32.9	12.3	52.3

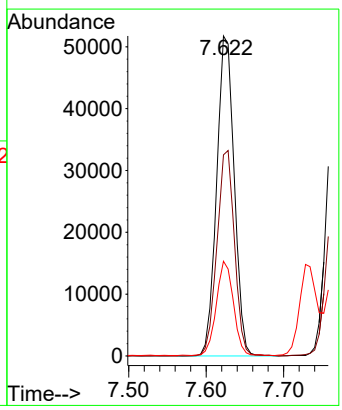


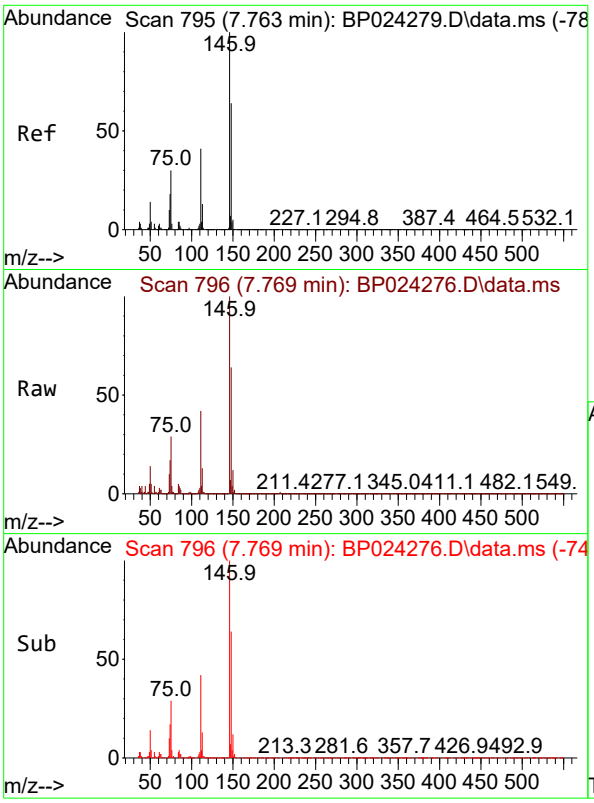


#12
1,3-Dichlorobenzene
Concen: 4.987 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 81600

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.4	77.0
75	29.6	22.9	34.3



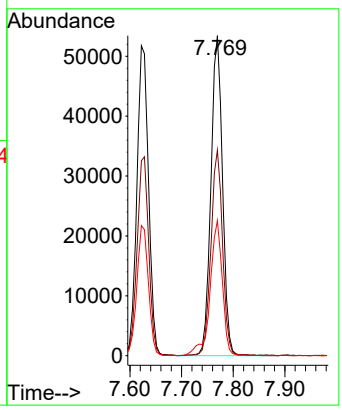


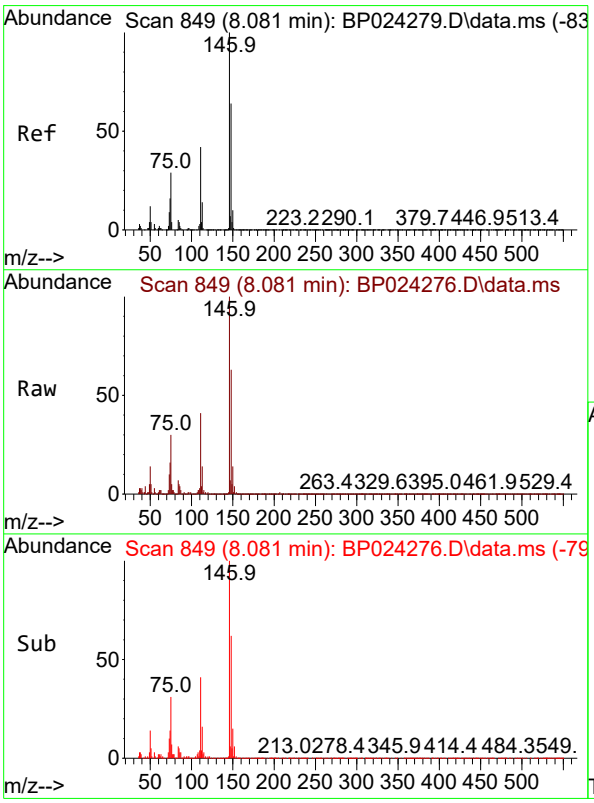
#13
1,4-Dichlorobenzene
Concen: 5.027 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 83408

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	42.2	32.6	48.8

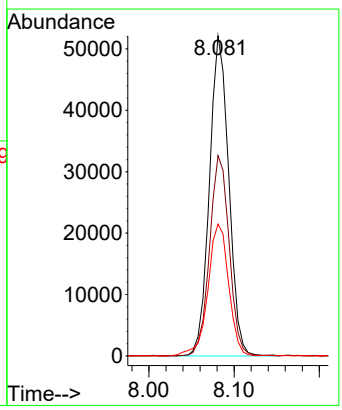


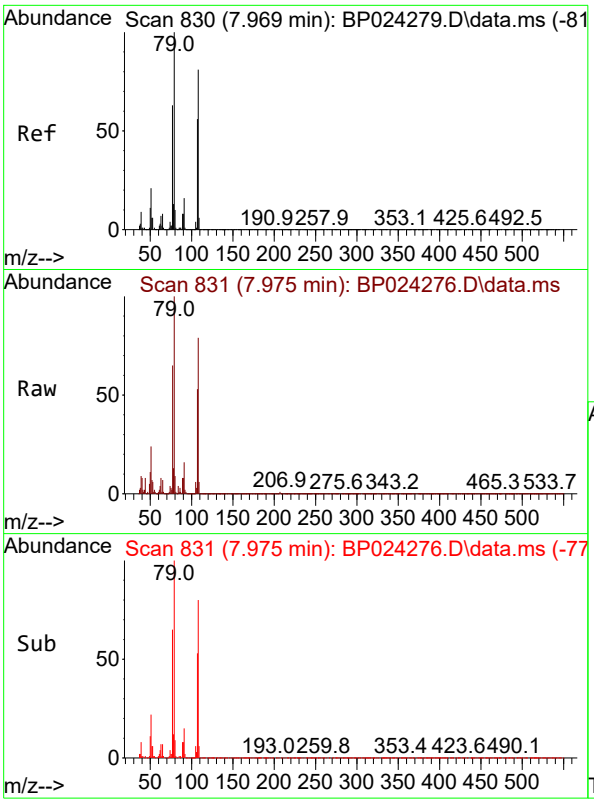


#14
1,2-Dichlorobenzene
Concen: 5.115 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 82066

Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.4
111	41.2	33.8	50.8



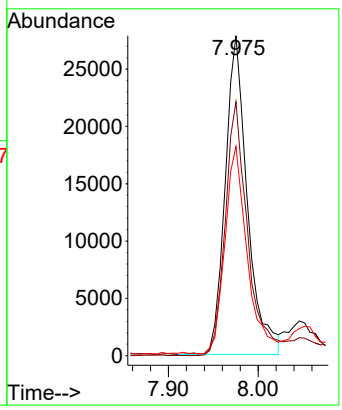


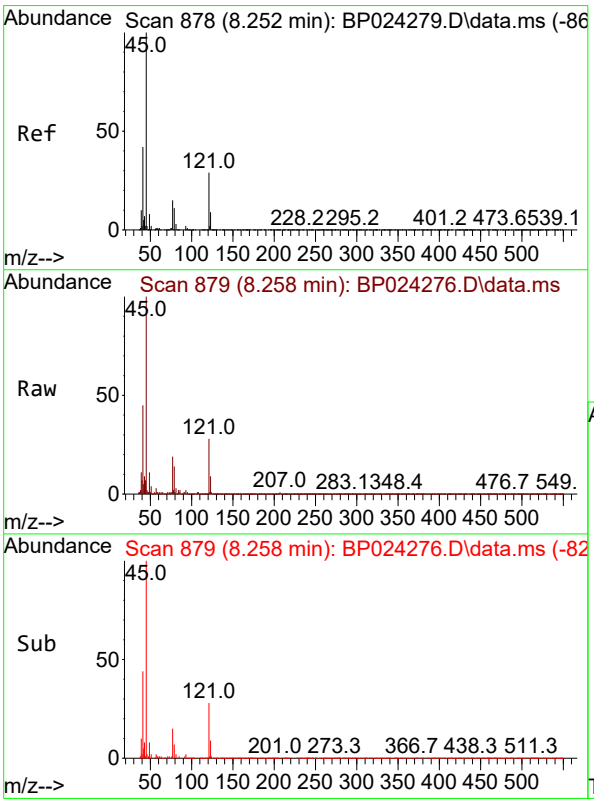
#15
Benzyl Alcohol
Concen: 4.032 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 47777

Ion	Ratio	Lower	Upper
79	100		
108	79.4	65.1	97.7
77	65.4	50.7	76.1

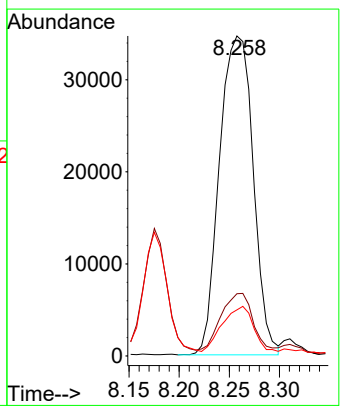


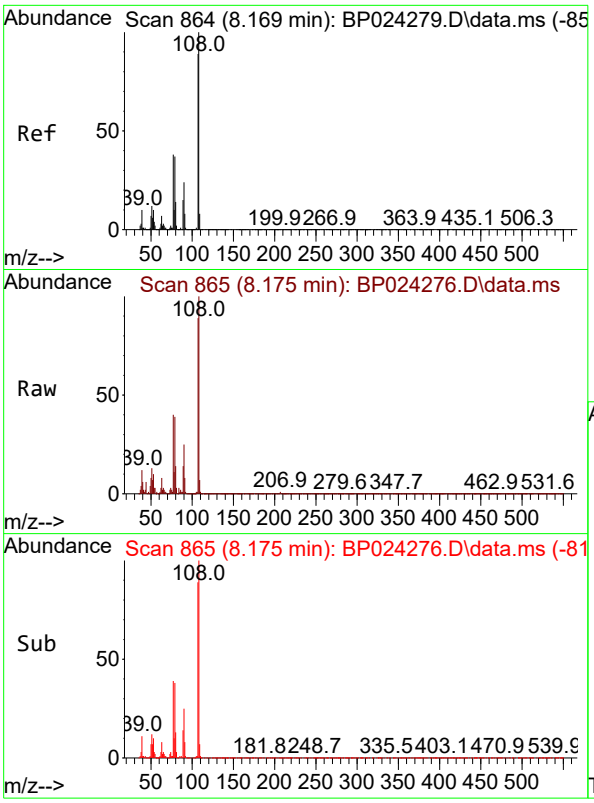


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.962 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 45 Resp: 80975

Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	37.7
79	14.4	0.0	33.5



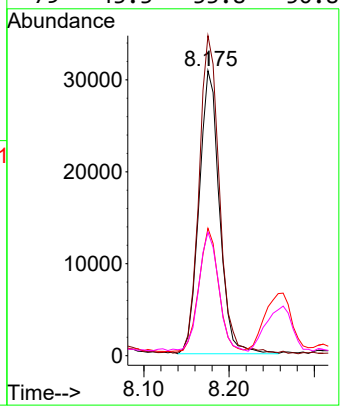


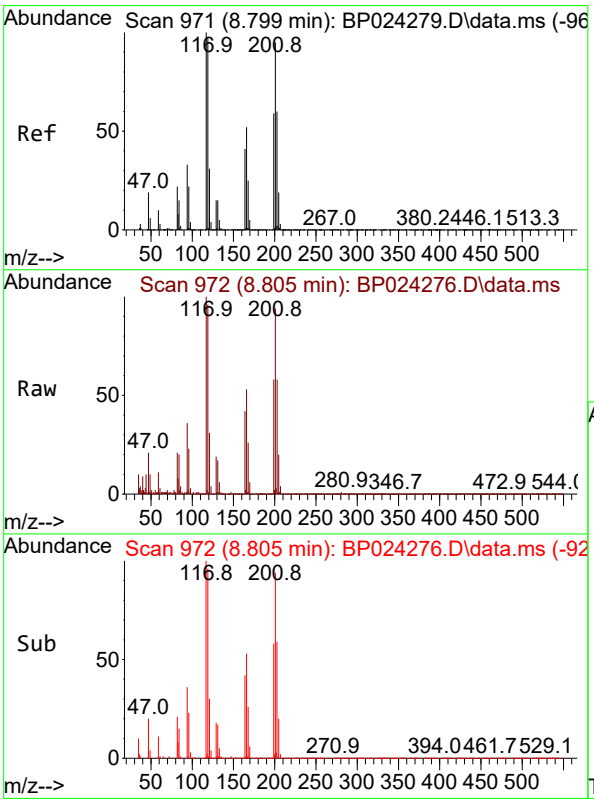
#17
2-Methylphenol
Concen: 4.267 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 51039

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.8	134.6
77	44.7	34.2	51.4
79	43.3	33.8	50.8

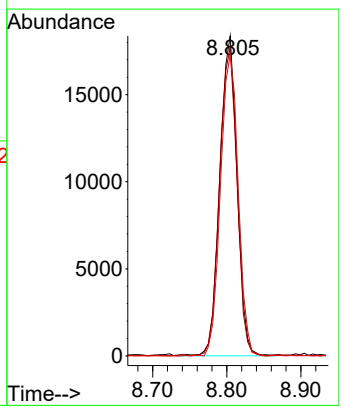


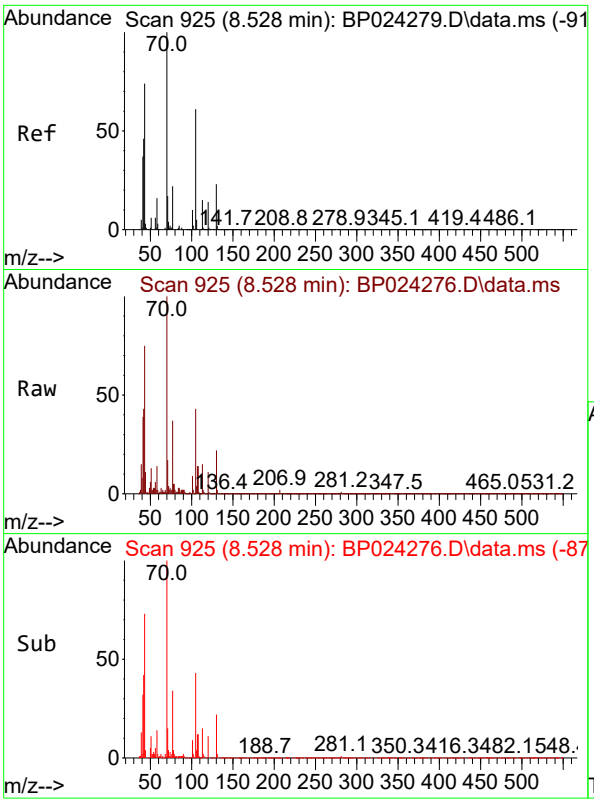


#18
Hexachloroethane
Concen: 4.950 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:117 Resp: 29643

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.6
201	96.8	75.9	113.9



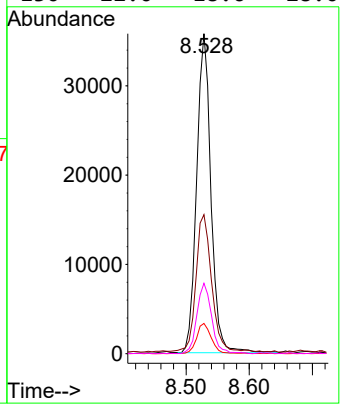


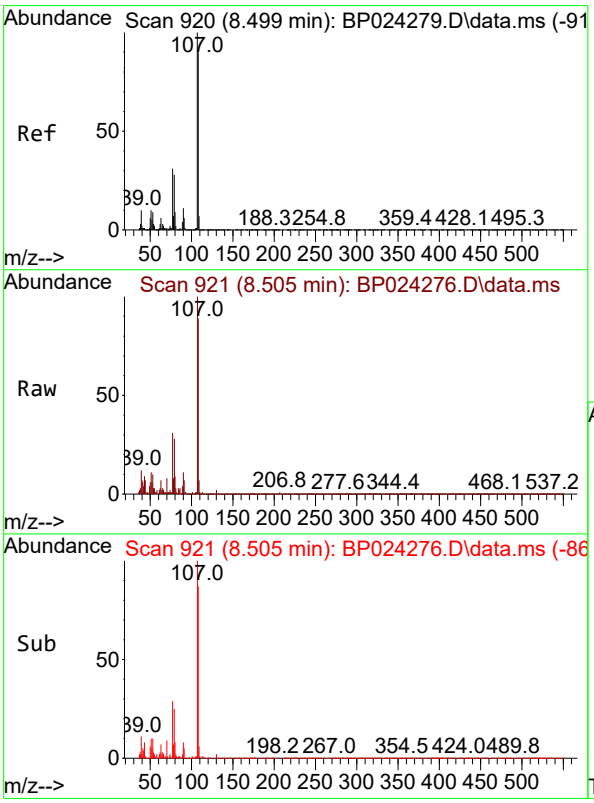
#19
n-Nitroso-di-n-propylamine
Concen: 4.896 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 56212

Ion	Ratio	Lower	Upper
70	100		
42	43.5	37.3	55.9
101	9.4	8.2	12.4
130	22.0	18.6	28.0

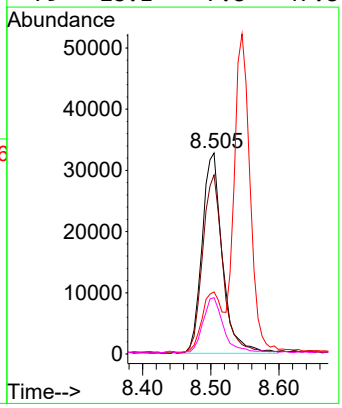


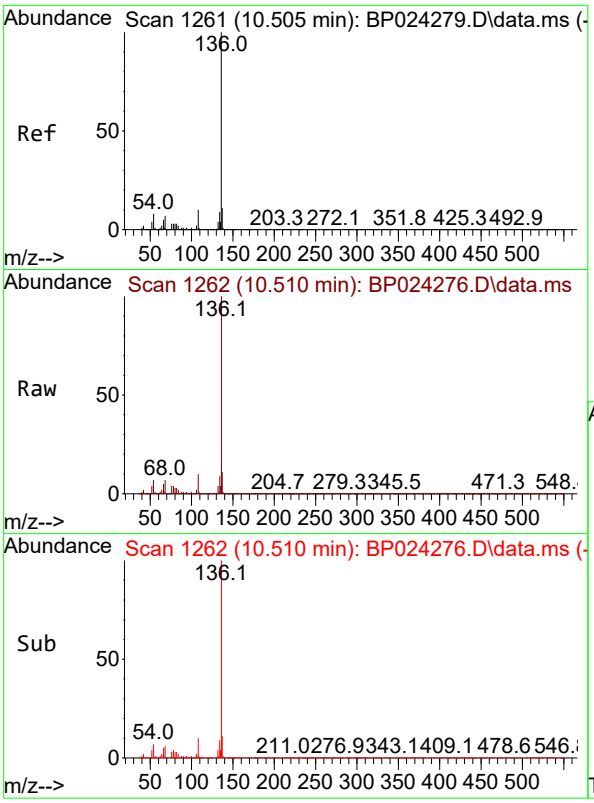


#20
3+4-Methylphenols
Concen: 4.120 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:107 Resp: 68264

Ion	Ratio	Lower	Upper
107	100		
108	89.1	69.8	109.8
77	30.9	11.5	51.5
79	28.1	7.8	47.8



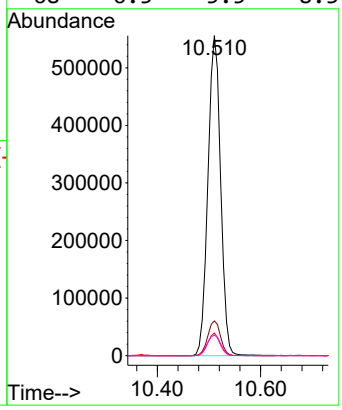


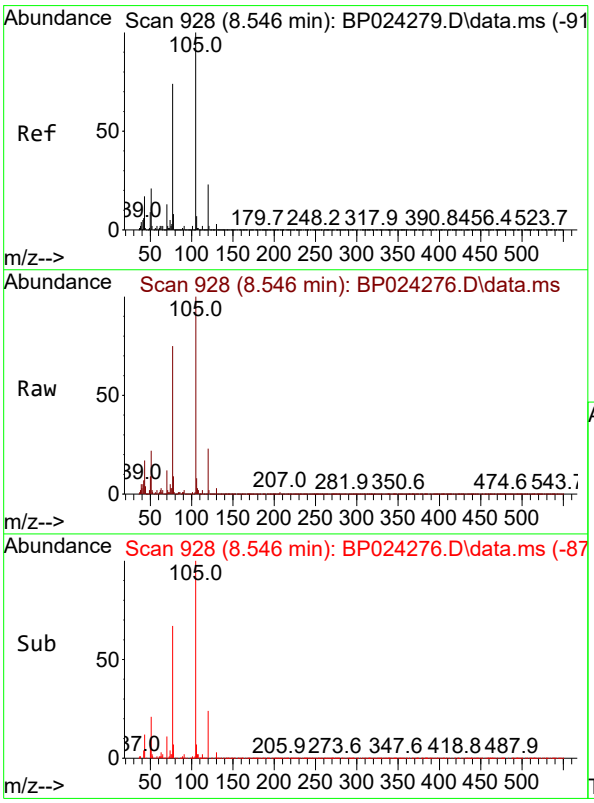
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 946483

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.1	6.0	9.0
68	6.5	5.5	8.3

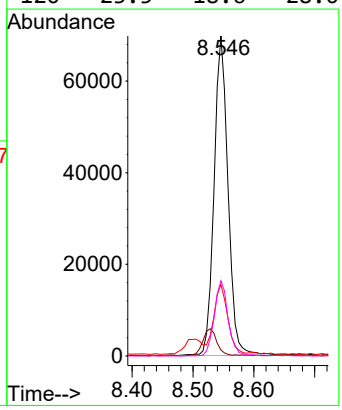


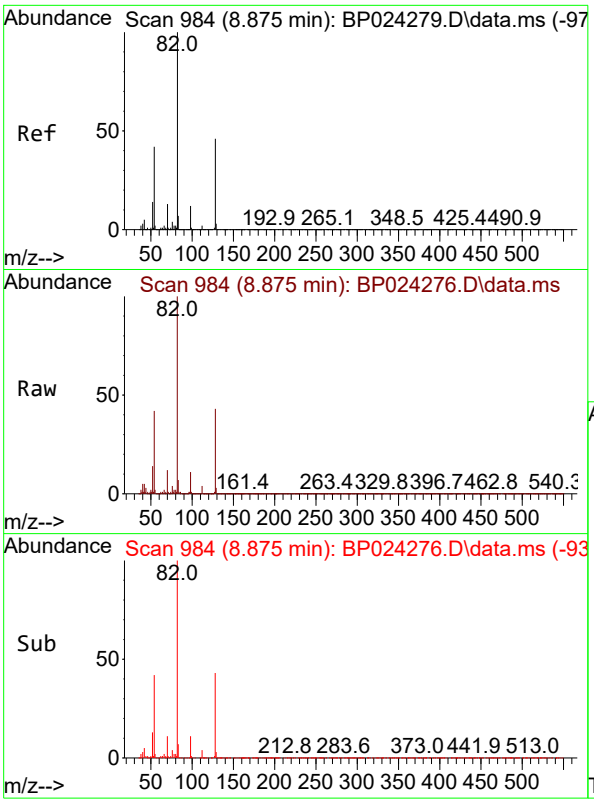


#22
Acetophenone
Concen: 4.725 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:105 Resp: 111159

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	22.3	16.9	25.3
120	23.5	18.6	28.0



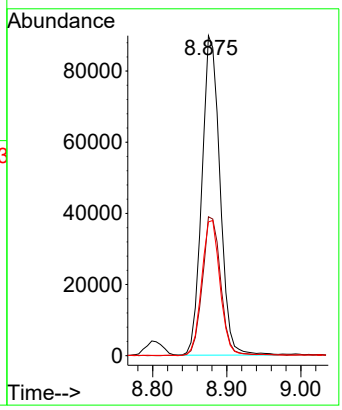


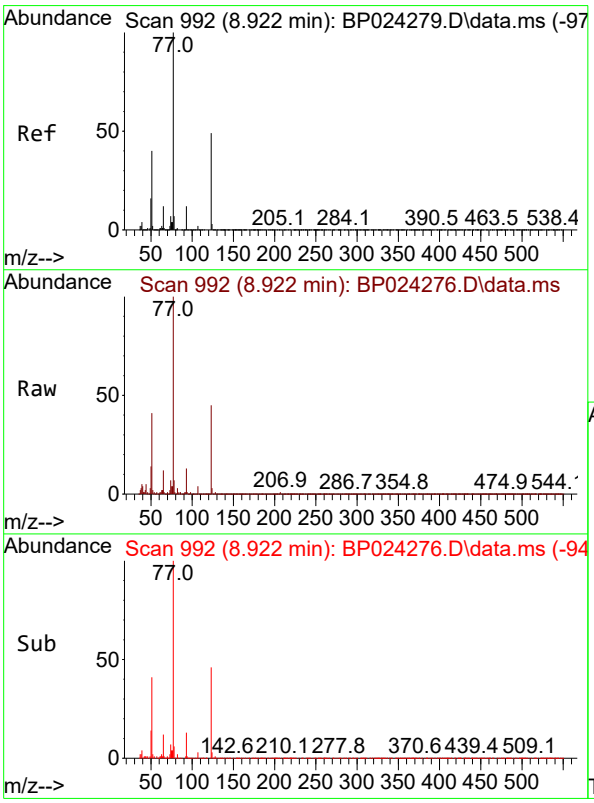
#23
Nitrobenzene-d5
Concen: 9.160 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 152286

Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.5	54.7
54	41.8	33.4	50.2

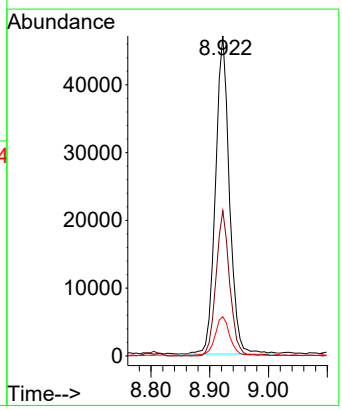


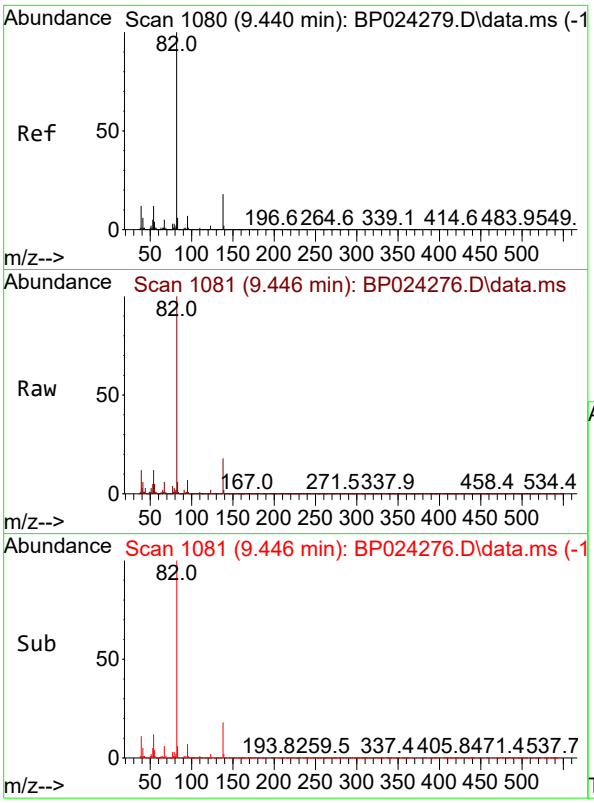


#24
Nitrobenzene
Concen: 4.709 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 77 Resp: 77593

Ion	Ratio	Lower	Upper
77	100		
123	45.4	39.2	58.8
65	12.3	9.8	14.6



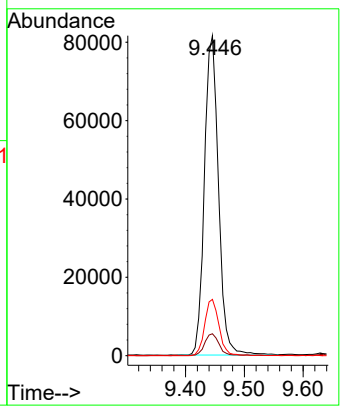


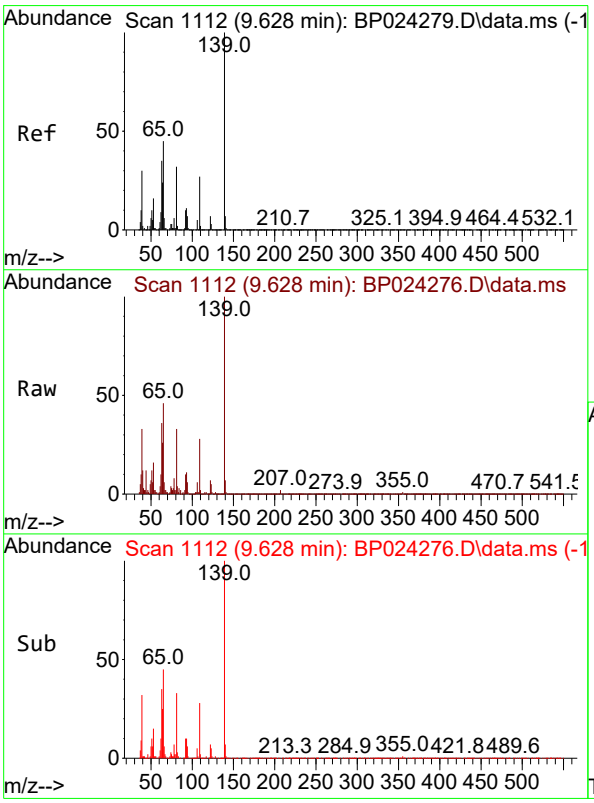
#25
Isophorone
Concen: 4.534 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 136090

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.6	14.4	21.6

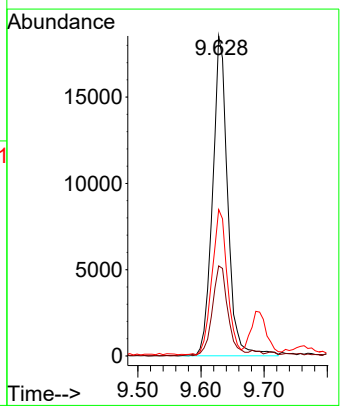


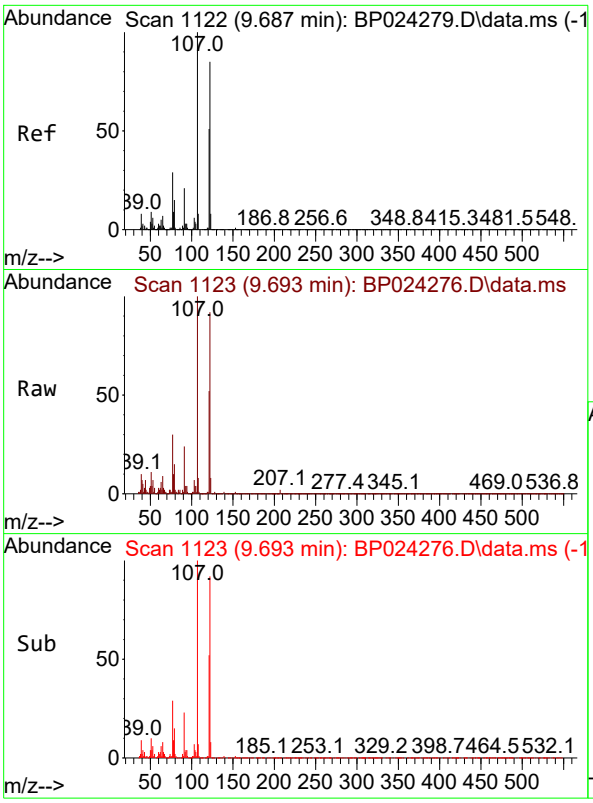


#26
2-Nitrophenol
Concen: 3.882 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 30712

Ion	Ratio	Lower	Upper
139	100		
109	28.1	21.8	32.6
65	45.7	36.2	54.2



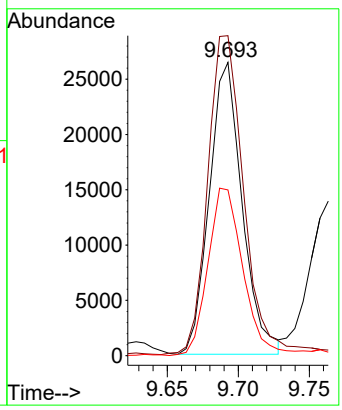


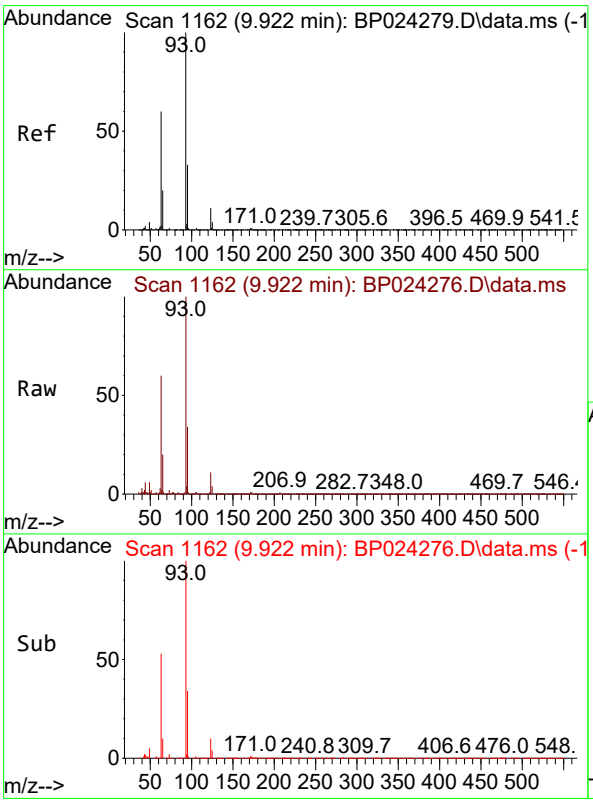
#27
2,4-Dimethylphenol
Concen: 4.239 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 42510

Ion	Ratio	Lower	Upper
122	100		
107	109.1	93.7	140.5
121	56.5	48.2	72.2

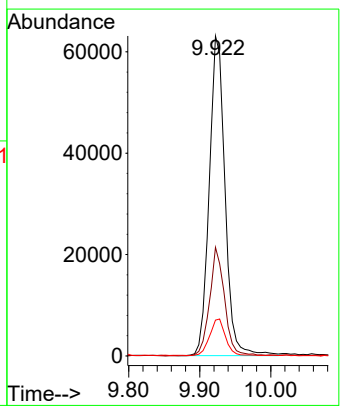


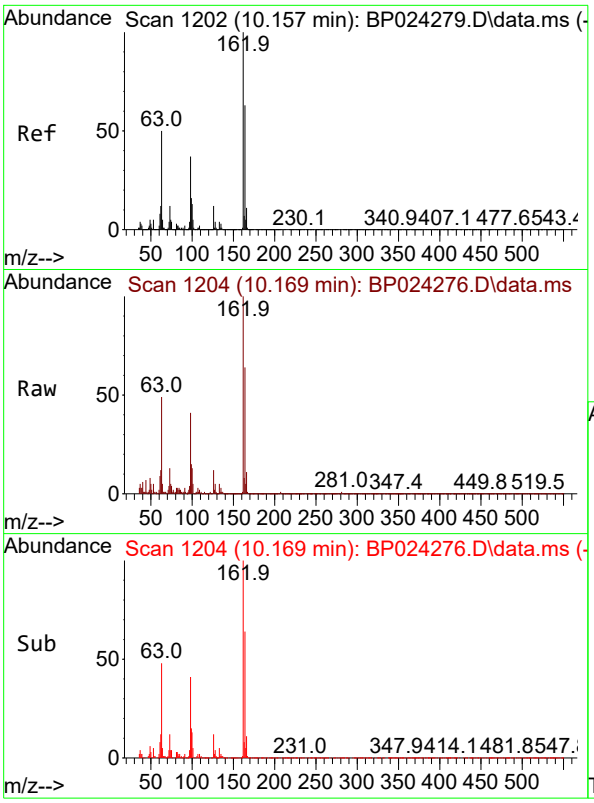


#28
bis(2-Chloroethoxy)methane
Concen: 4.774 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 97512

Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.0	39.0
123	11.2	9.1	13.7



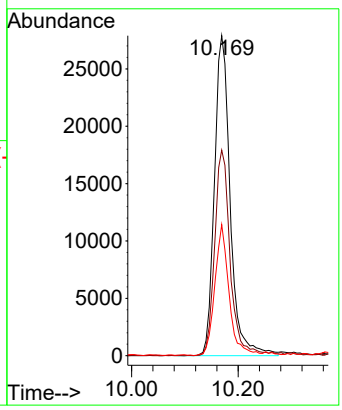


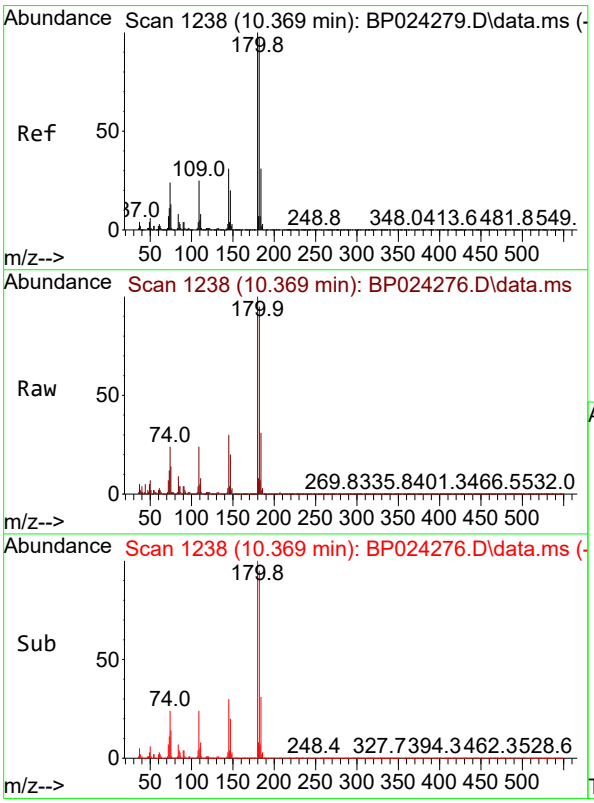
#29
2,4-Dichlorophenol
Concen: 4.193 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 57301

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.3	83.3
98	41.0	16.6	56.6

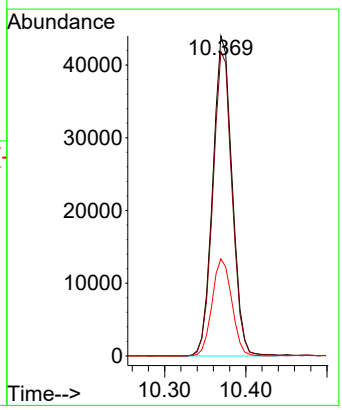


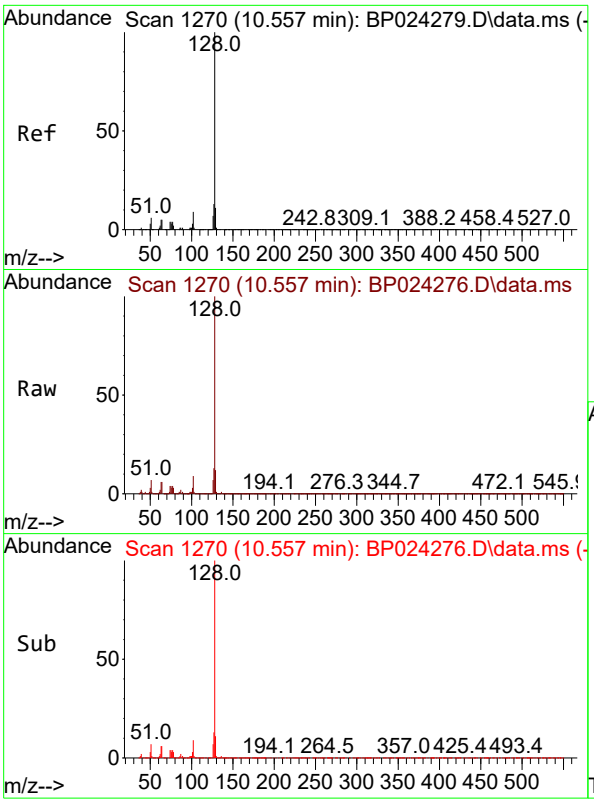


#30
1,2,4-Trichlorobenzene
Concen: 4.923 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:180 Resp: 72789

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.3	115.9
145	30.3	25.1	37.7



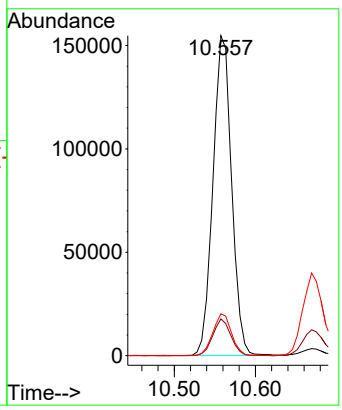


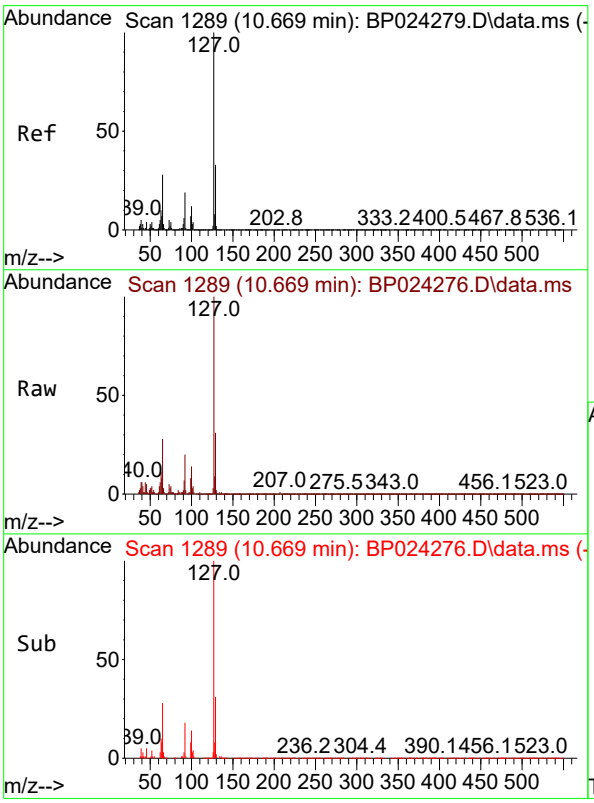
#31
Naphthalene
Concen: 4.930 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 246999

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.1	10.3	15.5

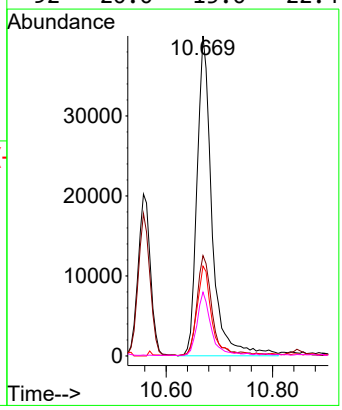


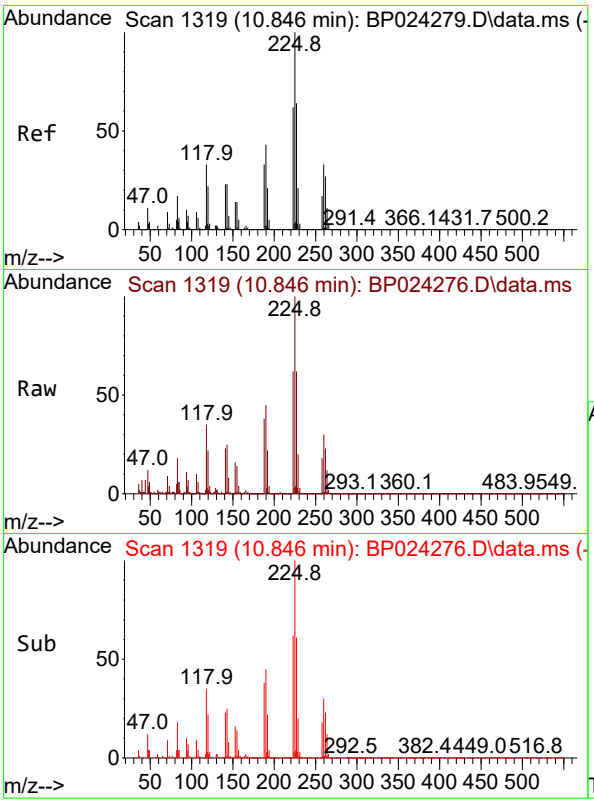


#33
4-Chloroaniline
Concen: 4.437 ng
RT: 10.669 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:127 Resp: 77667

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.1	39.1
65	28.1	22.1	33.1
92	20.0	15.0	22.4



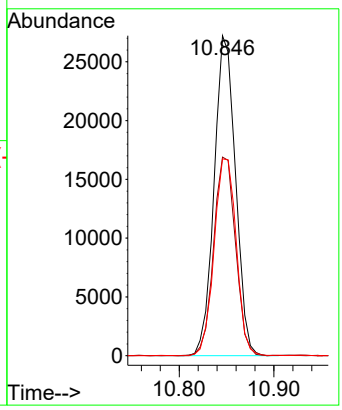


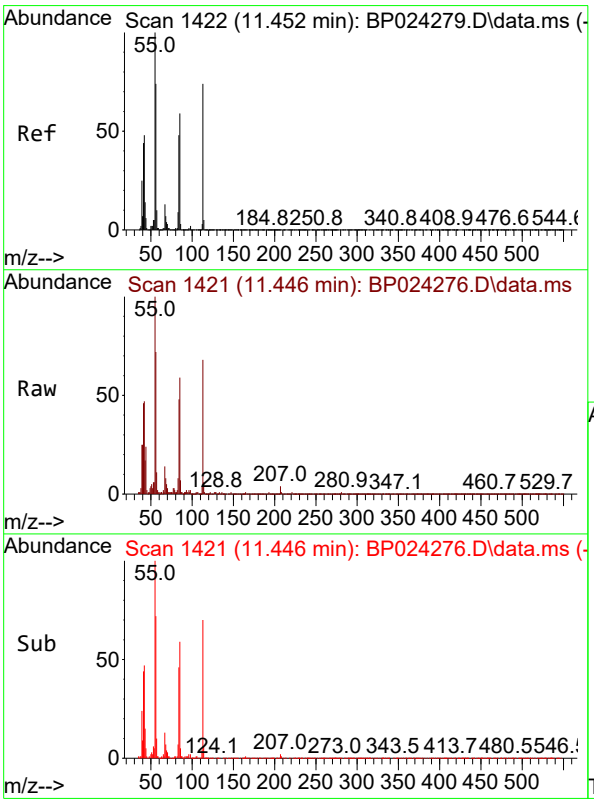
#34
Hexachlorobutadiene
Concen: 4.926 ng
RT: 10.846 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 42723

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.5	74.3
227	61.5	50.9	76.3

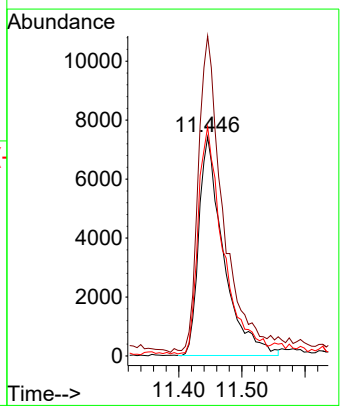


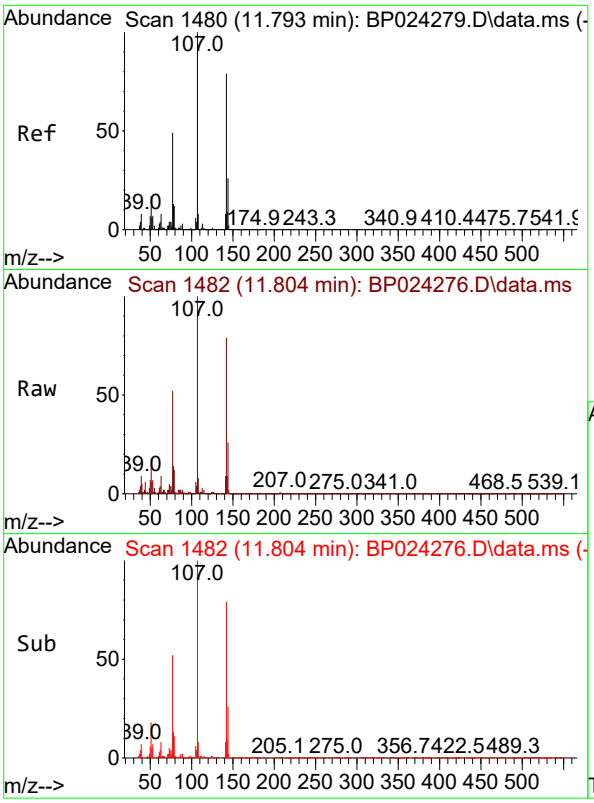


#35
Caprolactam
Concen: 4.002 ng
RT: 11.446 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:113 Resp: 20082

Ion	Ratio	Lower	Upper
113	100		
55	146.2	115.9	155.9
56	104.7	81.1	121.1



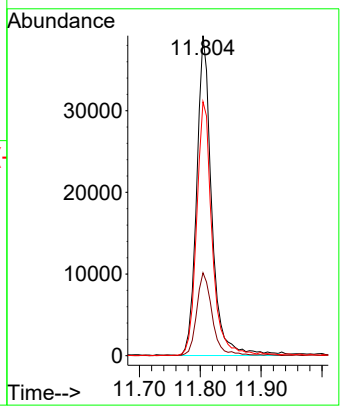


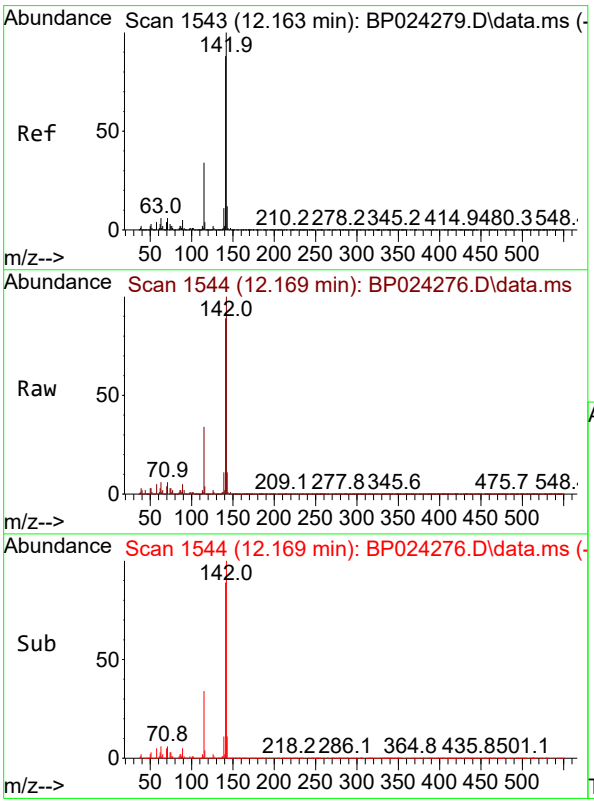
#36
4-Chloro-3-methylphenol
Concen: 4.214 ng
RT: 11.804 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 67116

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	79.3	63.4	95.2

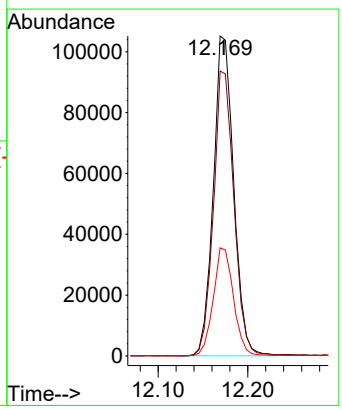


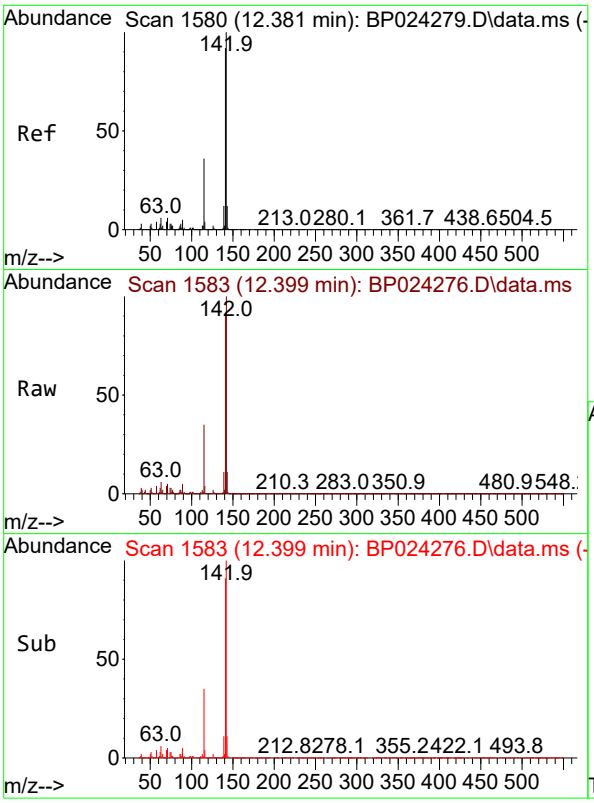


#37
2-Methylnaphthalene
Concen: 4.770 ng
RT: 12.169 min Scan# 1544
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:142 Resp: 165617

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	33.8	26.9	40.3



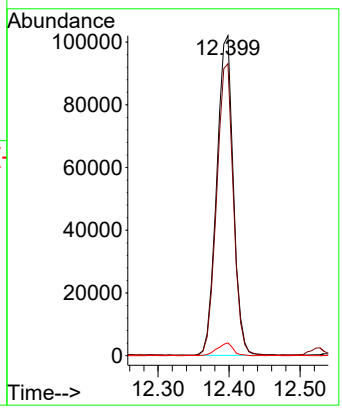


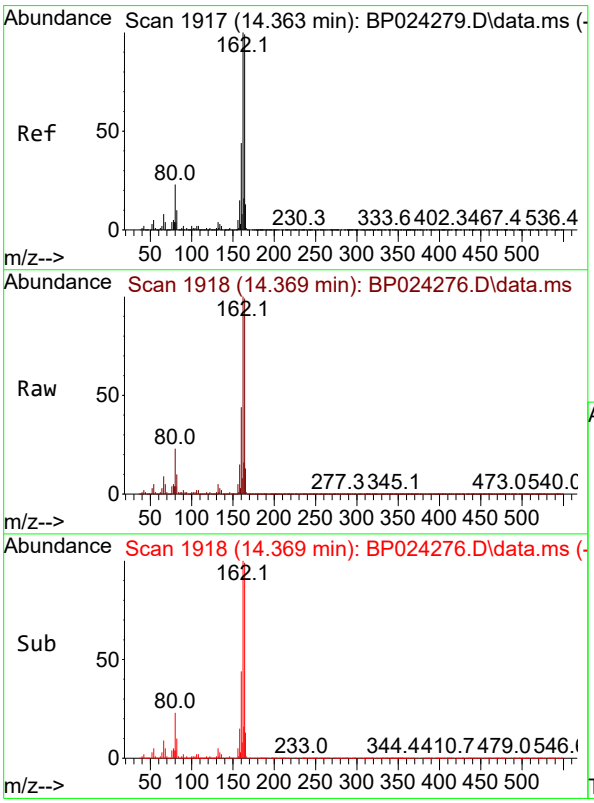
#38
1-Methylnaphthalene
Concen: 4.870 ng
RT: 12.399 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 165656

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.6	110.4
116	4.0	3.0	4.6

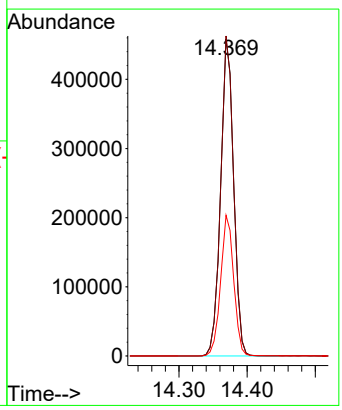


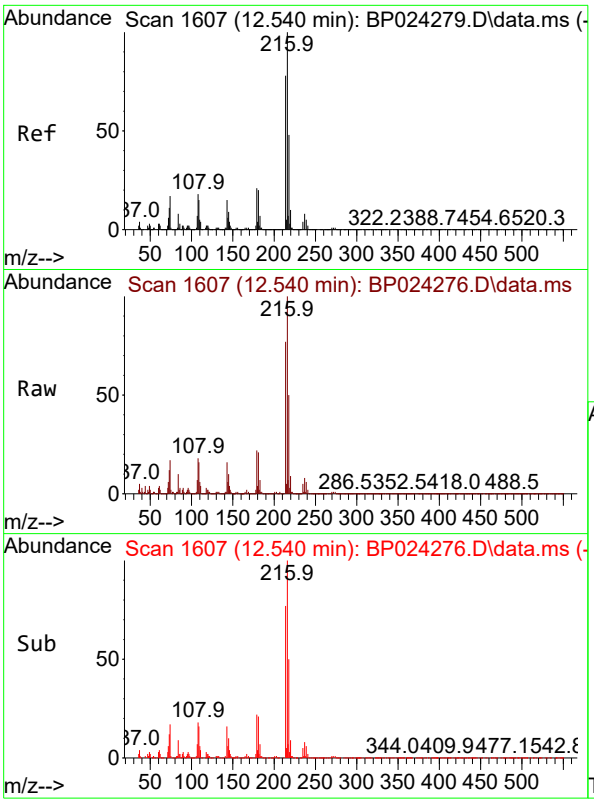


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:164 Resp: 609743

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.4	35.3	52.9



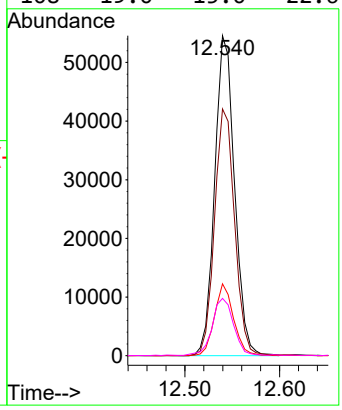


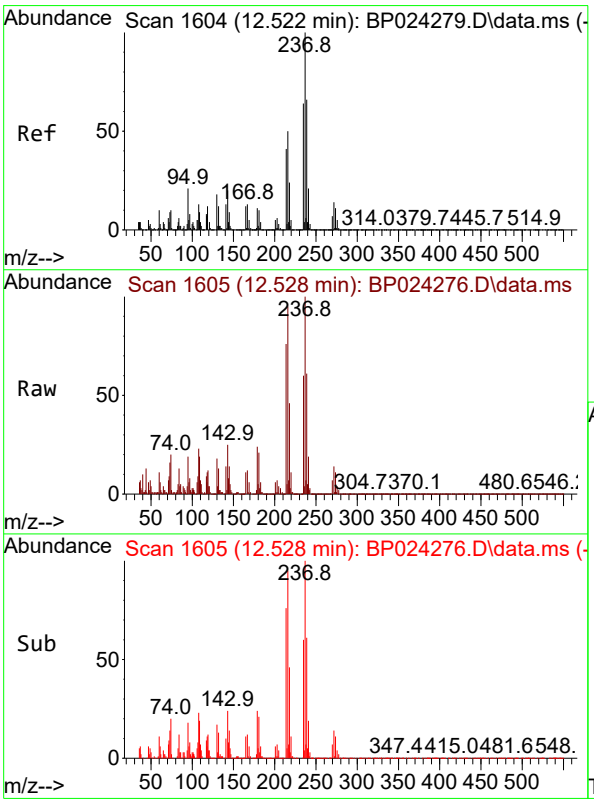
#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.744 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 79501

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.6	93.8
179	21.7	17.2	25.8
108	19.0	15.0	22.6

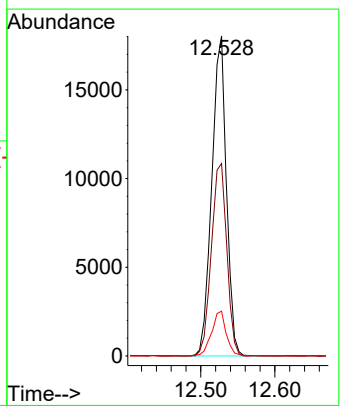


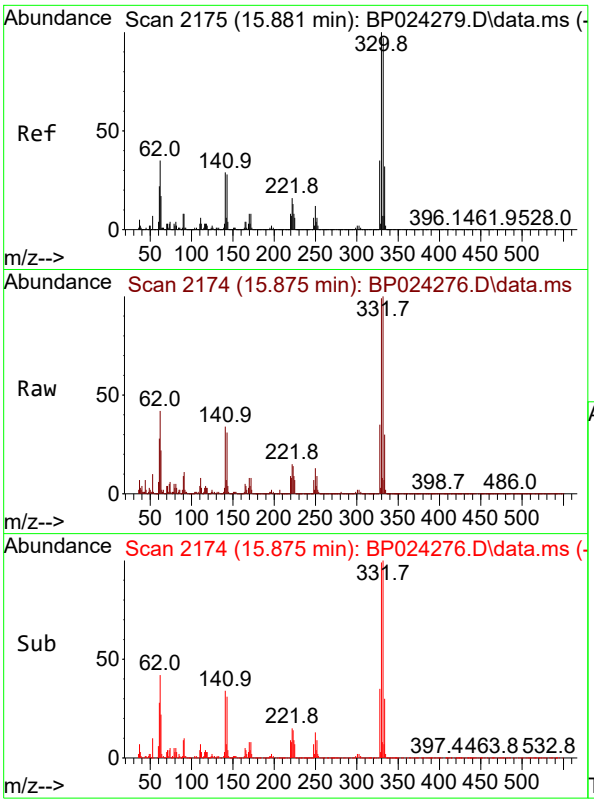


#41
Hexachlorocyclopentadiene
Concen: 4.198 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:237 Resp: 24696

Ion	Ratio	Lower	Upper
237	100		
235	60.2	43.9	83.9
272	14.0	0.0	33.6



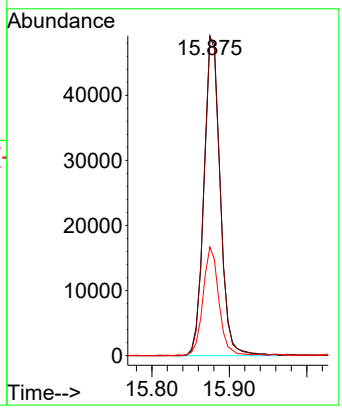


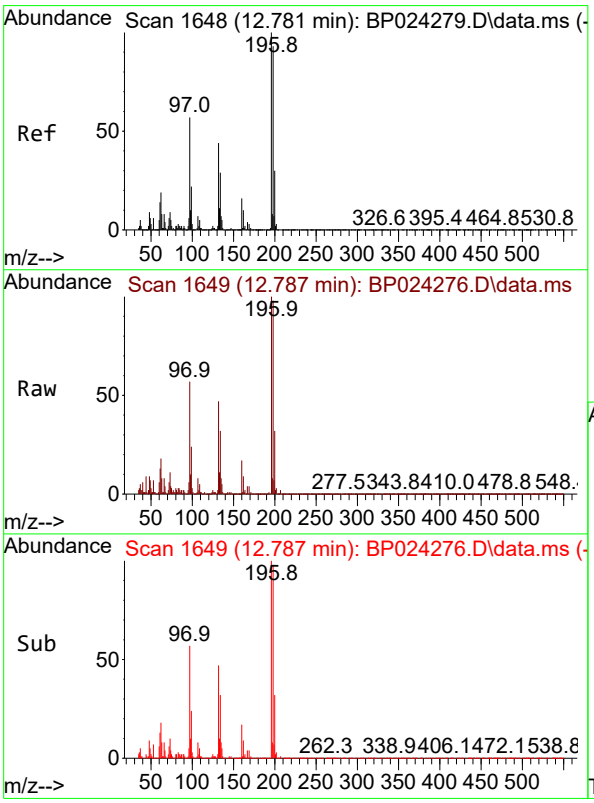
#42
2,4,6-Tribromophenol
Concen: 8.571 ng
RT: 15.875 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 71560

Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.1	115.7
141	33.2	24.7	37.1

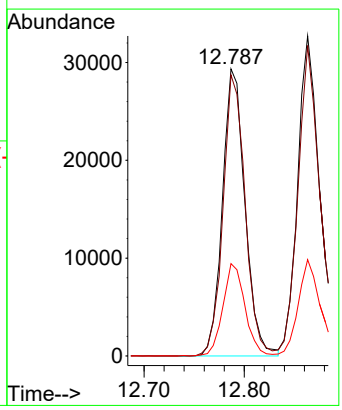


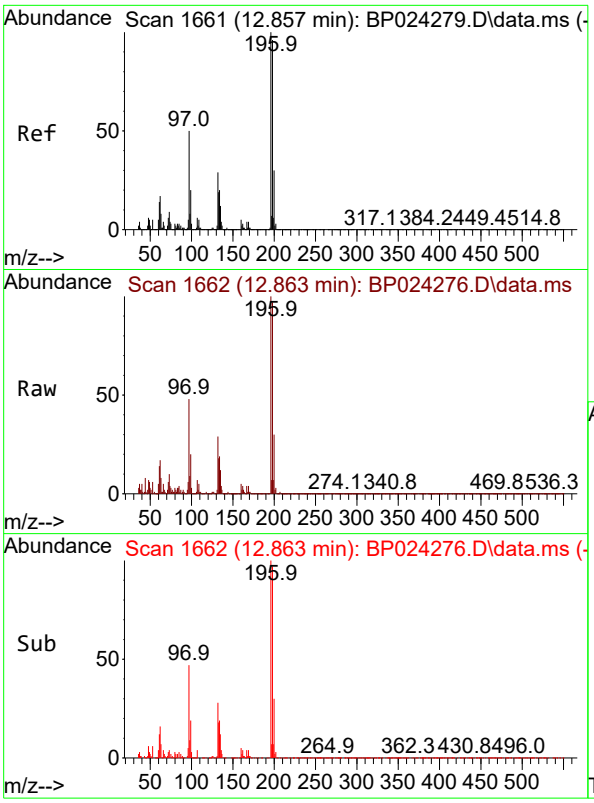


#43
2,4,6-Trichlorophenol
Concen: 4.165 ng
RT: 12.787 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:196 Resp: 45925

Ion	Ratio	Lower	Upper
196	100		
198	97.9	74.3	111.5
200	32.2	24.0	36.0



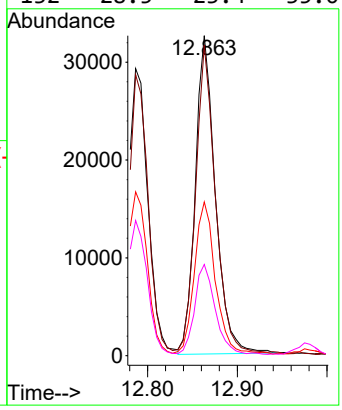


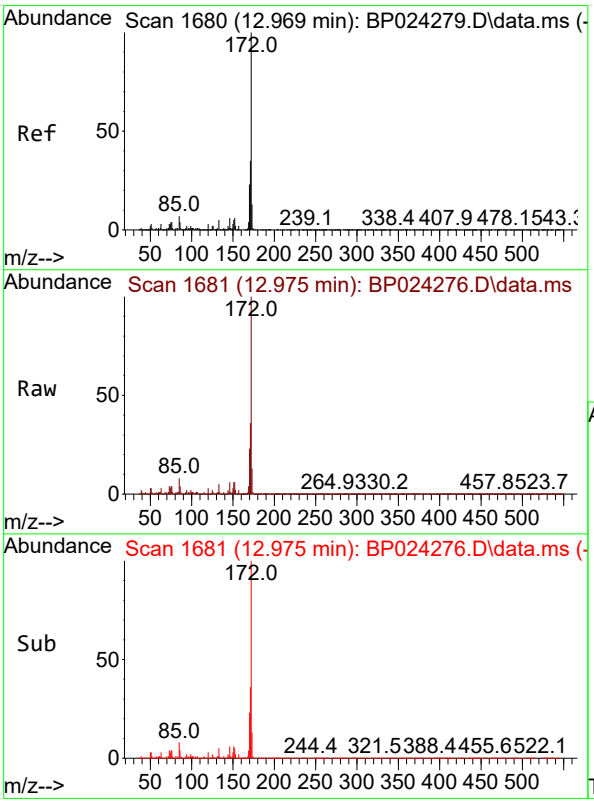
#44
2,4,5-Trichlorophenol
Concen: 4.147 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 50675

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	48.1	40.4	60.6
132	28.5	23.4	35.0

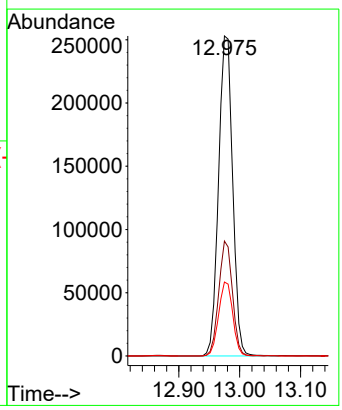


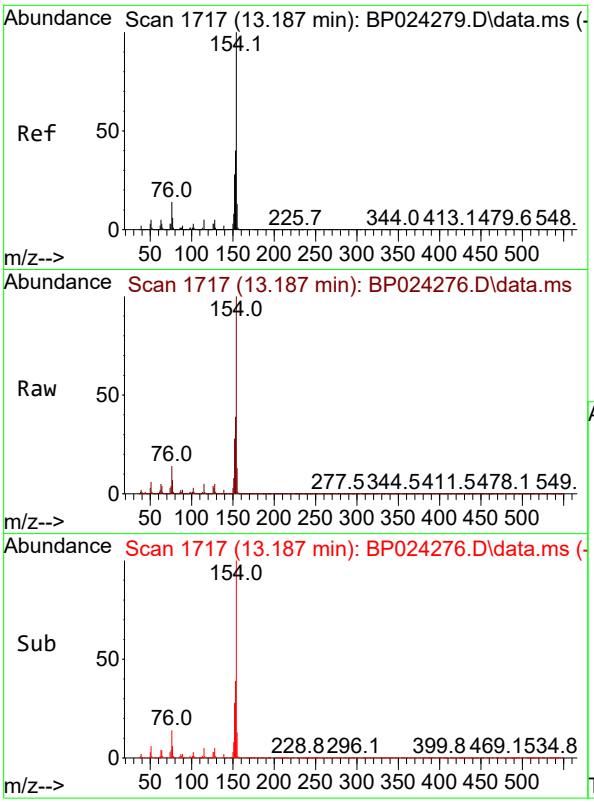


#45
2-Fluorobiphenyl
Concen: 10.111 ng
RT: 12.975 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:172 Resp: 406060

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	23.1	18.6	27.8



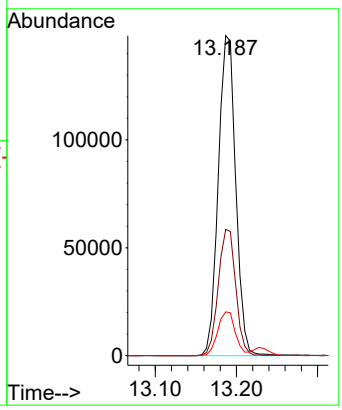


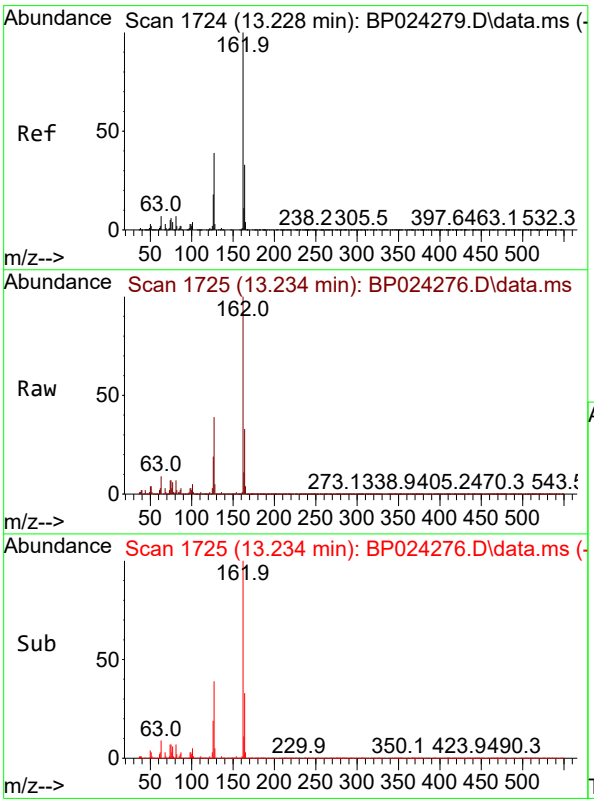
#46
1,1'-Biphenyl
Concen: 4.922 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 221653

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.3	60.3
76	13.7	0.0	33.5

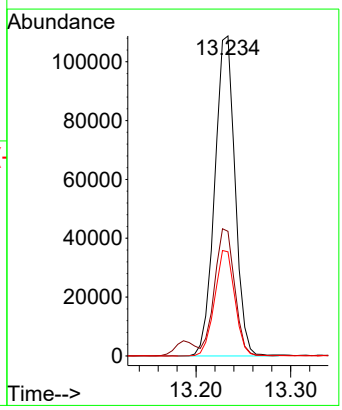


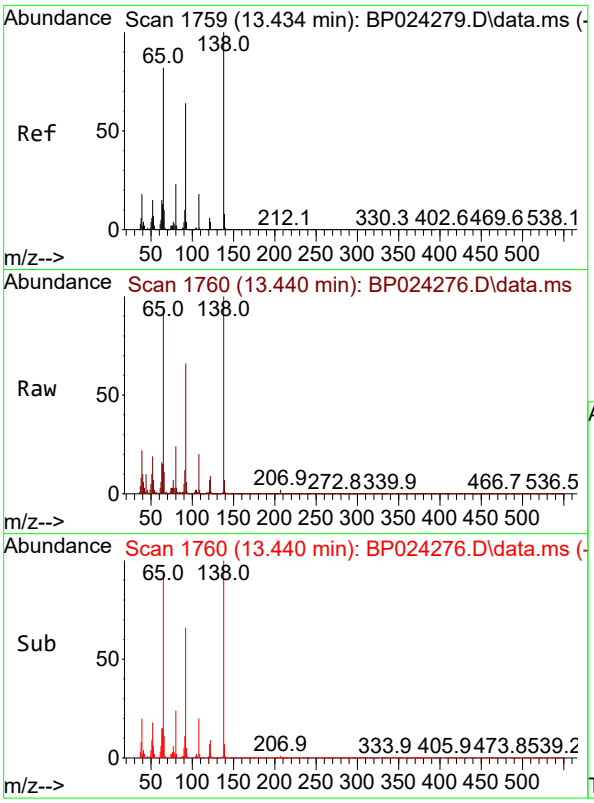


#47
2-Chloronaphthalene
Concen: 4.824 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:162 Resp: 162099

Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.9	47.9
164	32.5	26.2	39.4



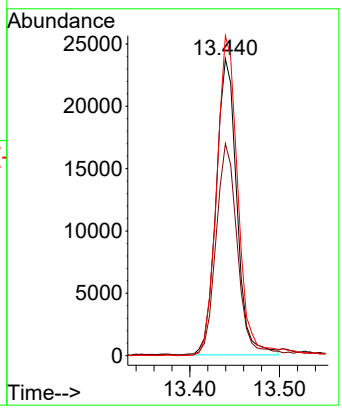


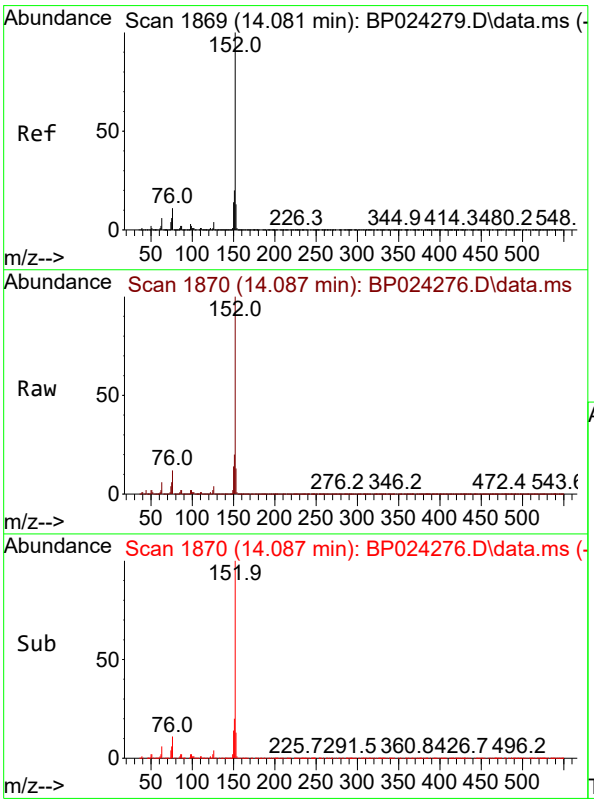
#48
2-Nitroaniline
Concen: 4.111 ng
RT: 13.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 38152

Ion	Ratio	Lower	Upper
65	100		
92	71.5	62.3	93.5
138	107.8	97.2	145.8

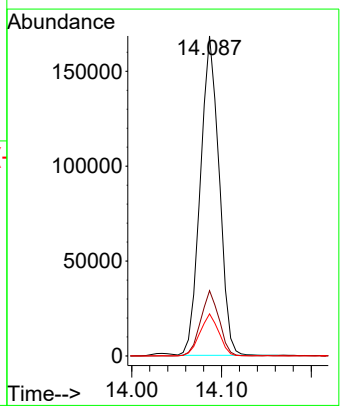


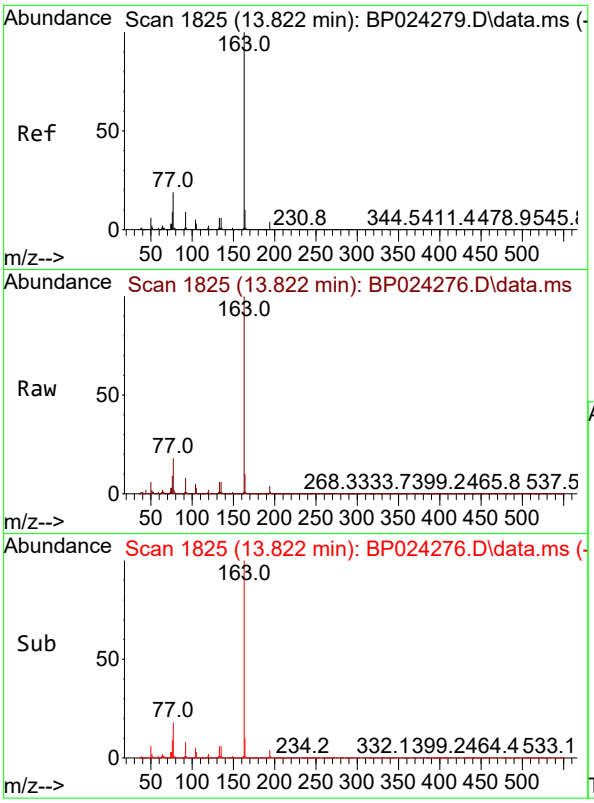


#49
Acenaphthylene
Concen: 4.637 ng
RT: 14.087 min Scan# 1870
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:152 Resp: 244566

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.2	10.6	15.8



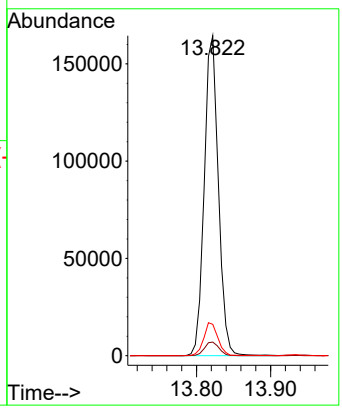


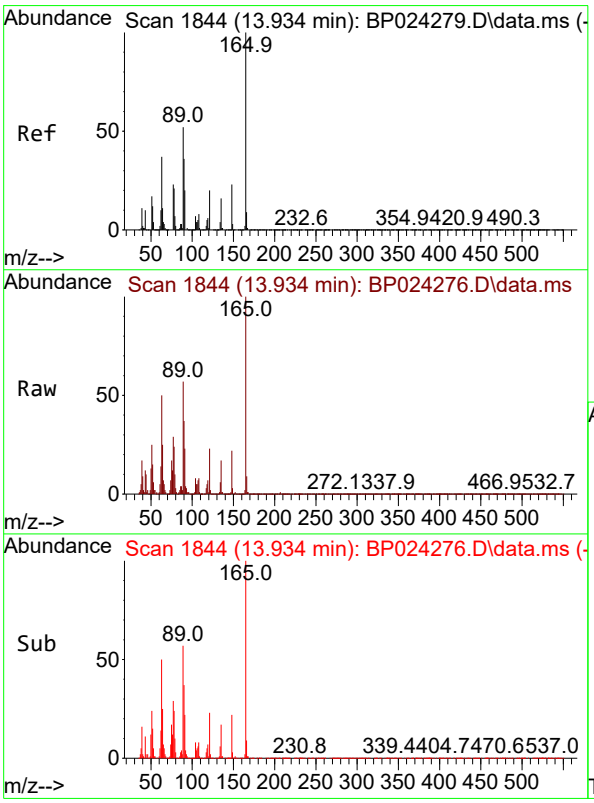
#50
Dimethylphthalate
Concen: 4.897 ng
RT: 13.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 217848

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.8	8.0	12.0

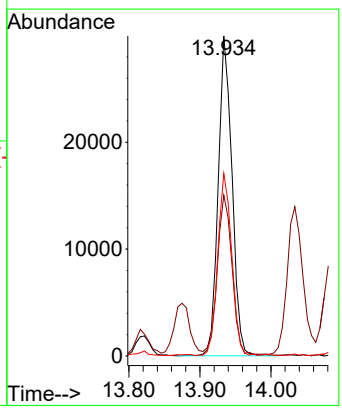


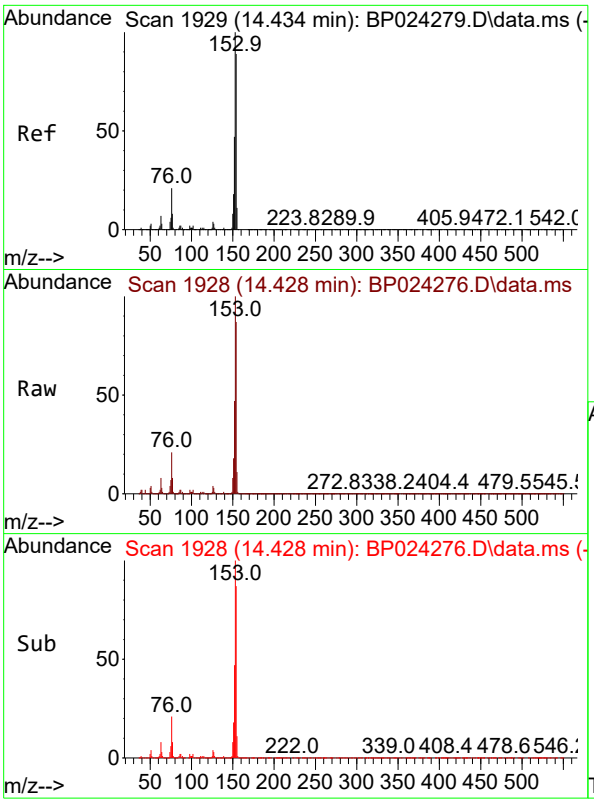


#51
2,6-Dinitrotoluene
Concen: 4.287 ng
RT: 13.934 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:165 Resp: 40182

Ion	Ratio	Lower	Upper
165	100		
63	50.3	38.0	57.0
89	57.0	41.7	62.5



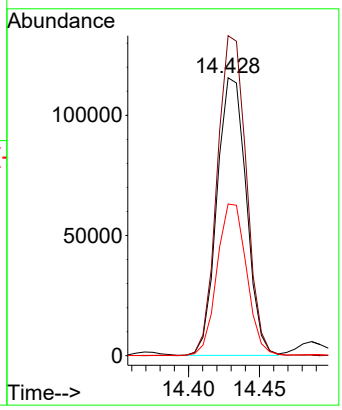


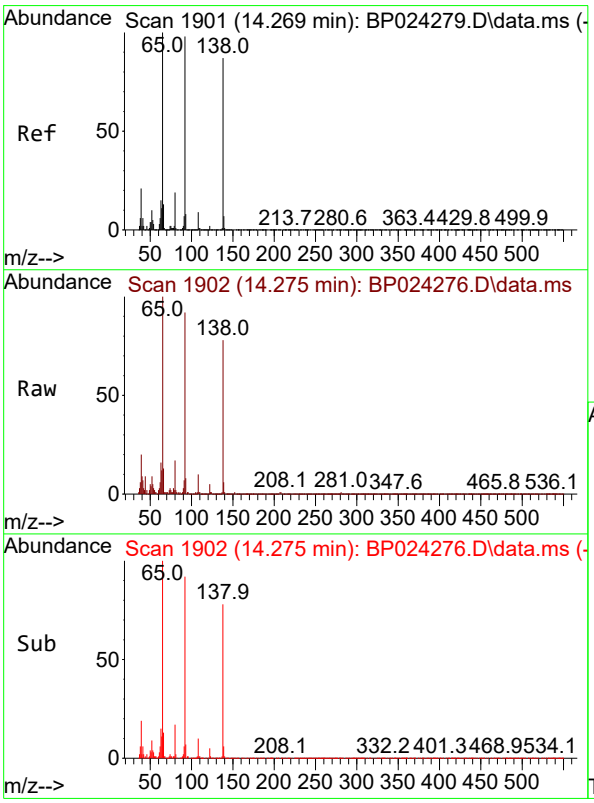
#52
Acenaphthene
Concen: 4.940 ng
RT: 14.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 165694

Ion	Ratio	Lower	Upper
154	100		
153	115.2	89.8	134.6
152	54.6	42.6	63.8

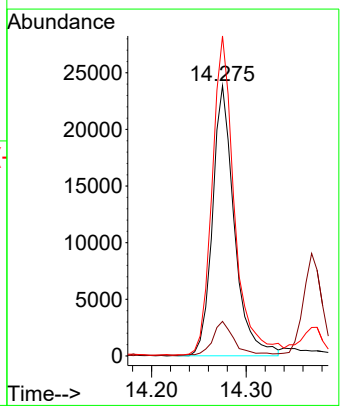


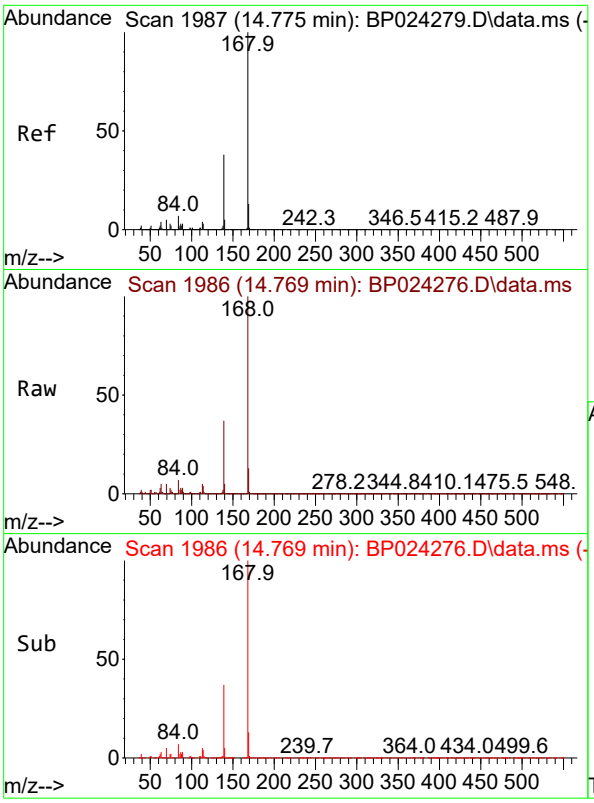


#53
3-Nitroaniline
Concen: 3.926 ng
RT: 14.275 min Scan# 1902
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 38178

Ion	Ratio	Lower	Upper
138	100		
108	12.8	8.3	12.5#
92	118.4	89.8	134.8



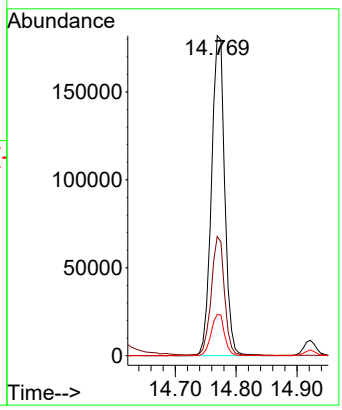


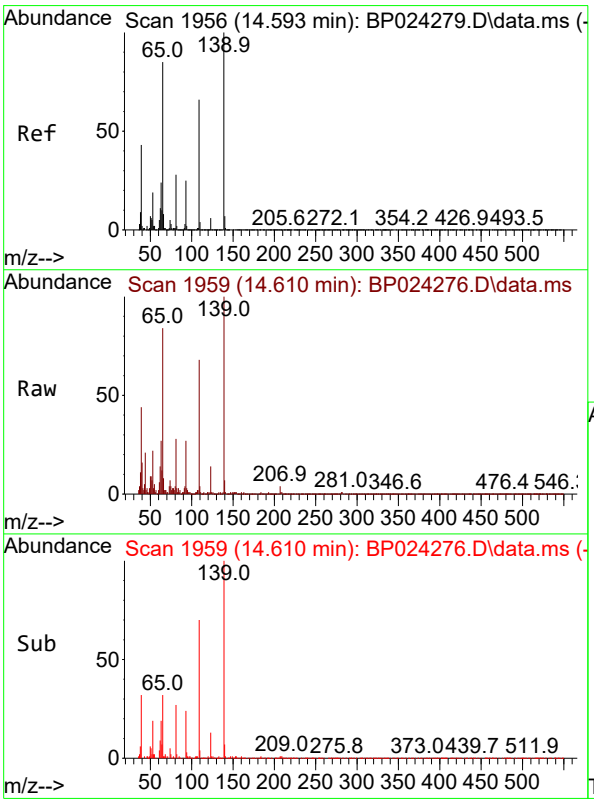
#55
Dibenzofuran
Concen: 4.991 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 274506

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	12.9	10.6	16.0

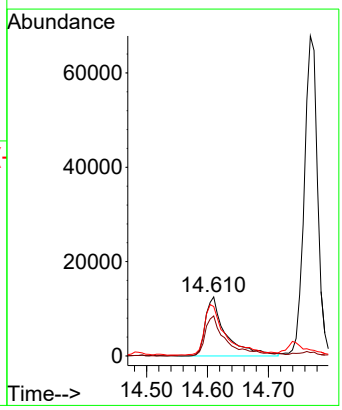


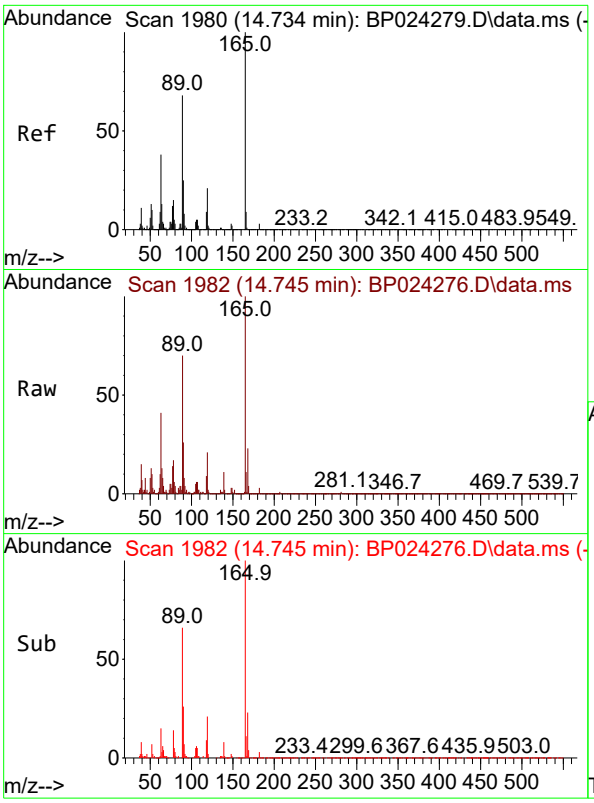


#56
4-Nitrophenol
Concen: 3.473 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 29033

Ion	Ratio	Lower	Upper
139	100		
109	67.8	46.1	86.1
65	83.9	65.0	105.0



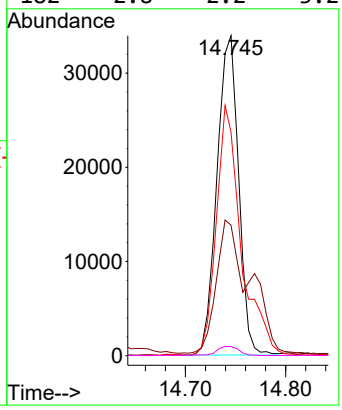


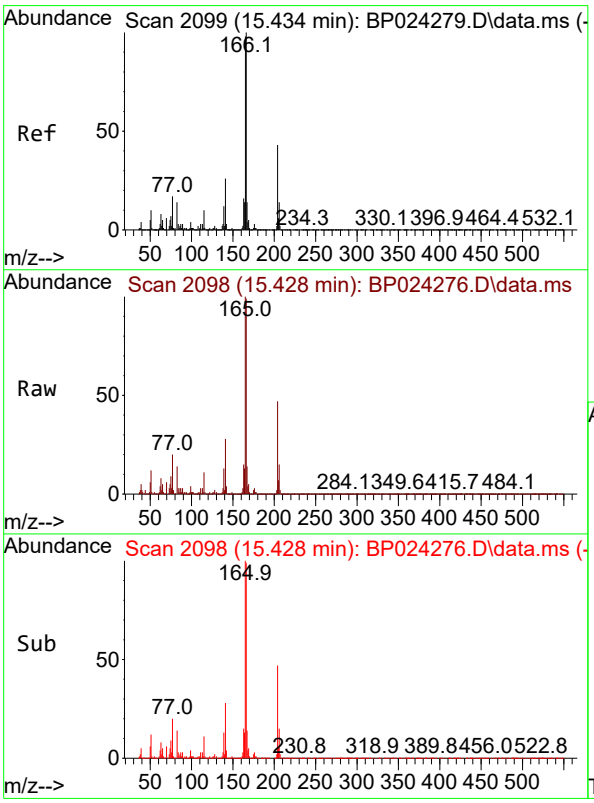
#57
2,4-Dinitrotoluene
Concen: 4.013 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 50843

Ion	Ratio	Lower	Upper
165	100		
63	40.8	30.4	45.6
89	69.9	54.6	82.0
182	2.8	2.2	3.2

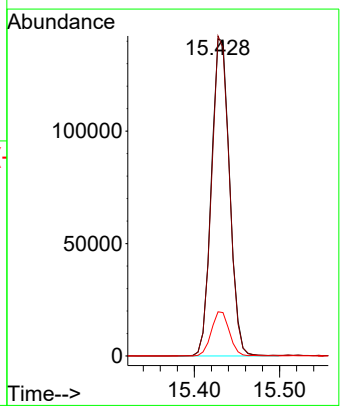


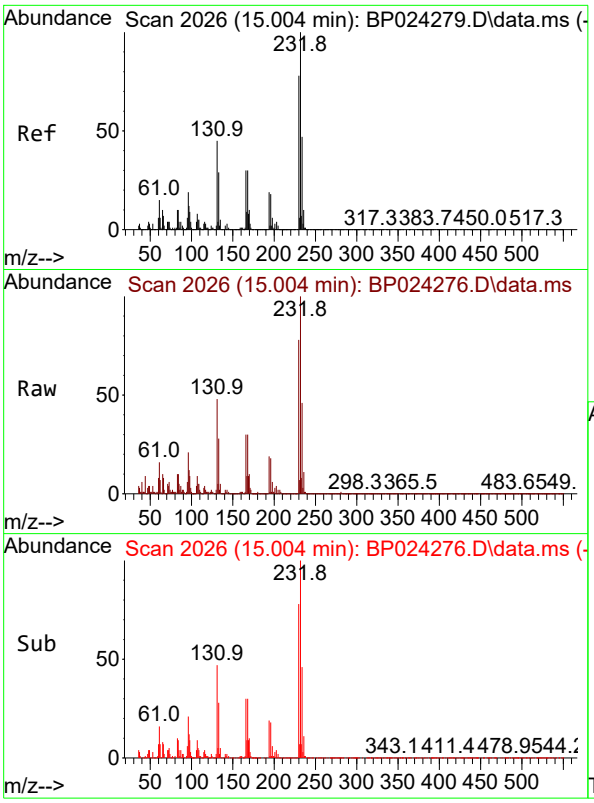


#58
Fluorene
Concen: 4.939 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:166 Resp: 209763

Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.1	117.1
167	13.9	10.9	16.3



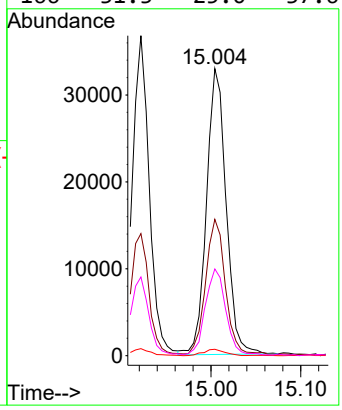


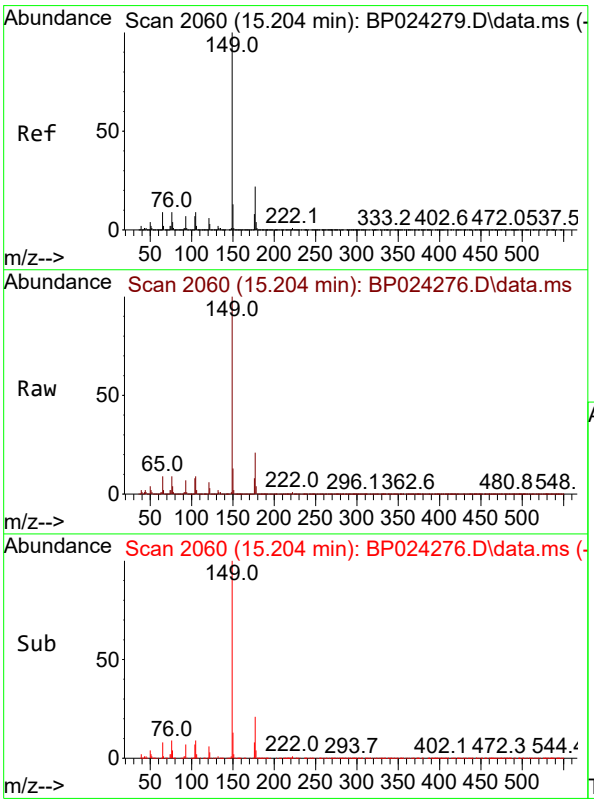
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.415 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 49911

Ion	Ratio	Lower	Upper
232	100		
131	48.4	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

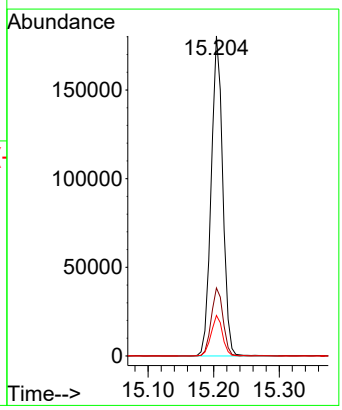


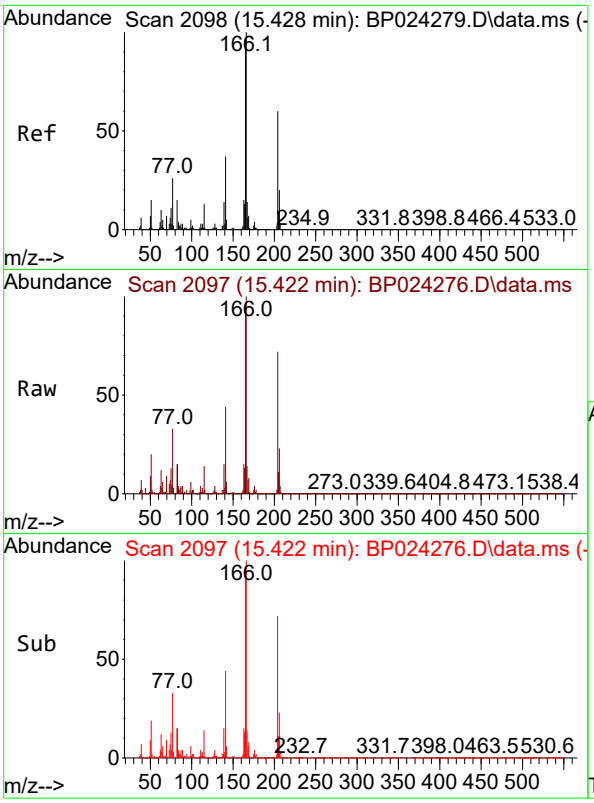


#60
Diethylphthalate
Concen: 4.830 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 221119

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.7	10.1	15.1



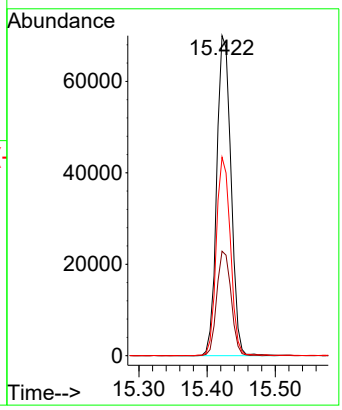


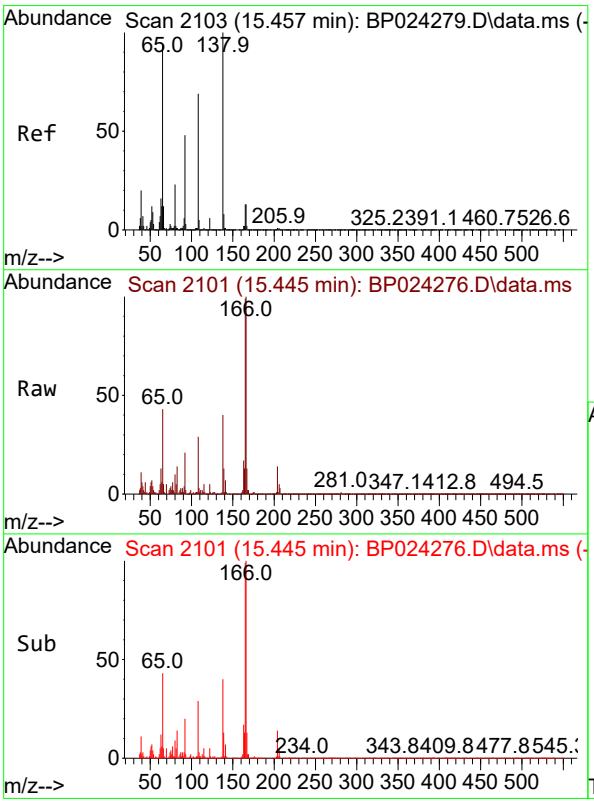
#61
4-Chlorophenyl-phenylether
Concen: 4.928 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 101636

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.0	49.4	74.0

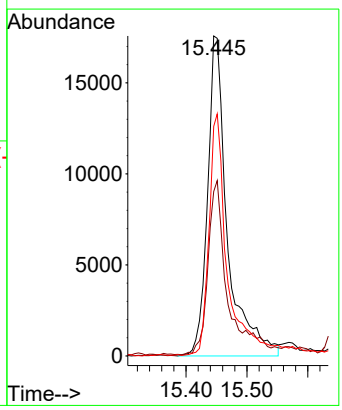


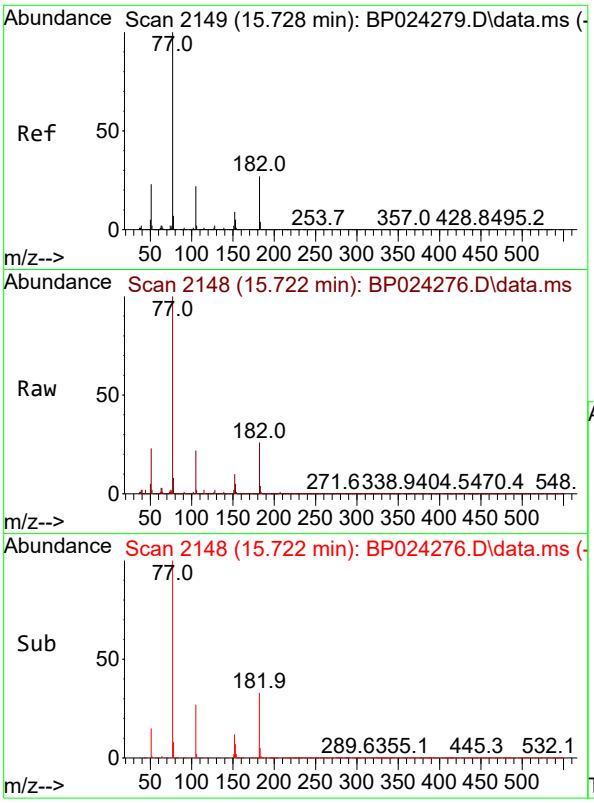


#62
4-Nitroaniline
Concen: 3.893 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 40139

Ion	Ratio	Lower	Upper
138	100		
92	51.4	27.8	67.8
108	71.8	48.9	88.9



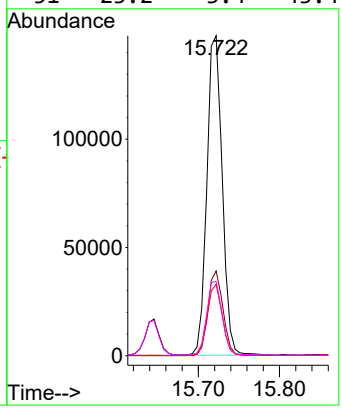


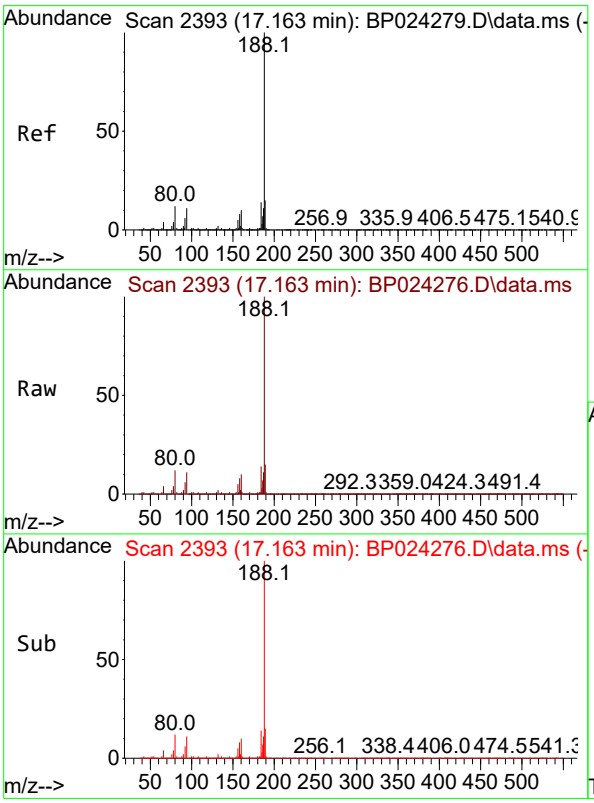
#63
Azobenzene
Concen: 4.586 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 193402

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.3	47.3
105	22.3	2.3	42.3
51	23.2	3.4	43.4

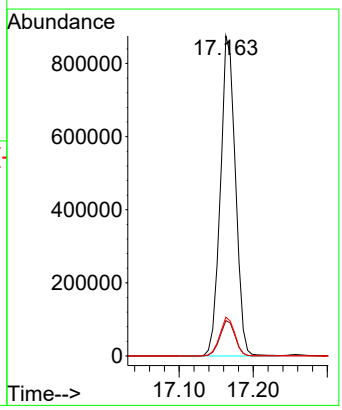


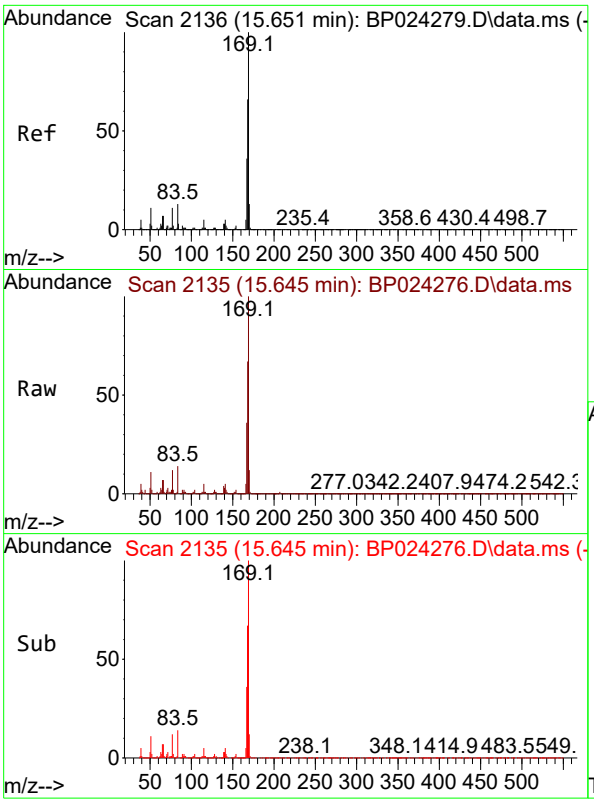


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:188 Resp: 1234074

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.6	13.0
80	12.1	9.8	14.6



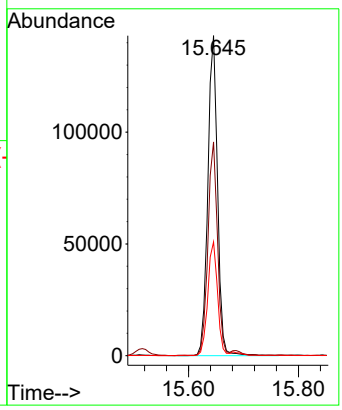


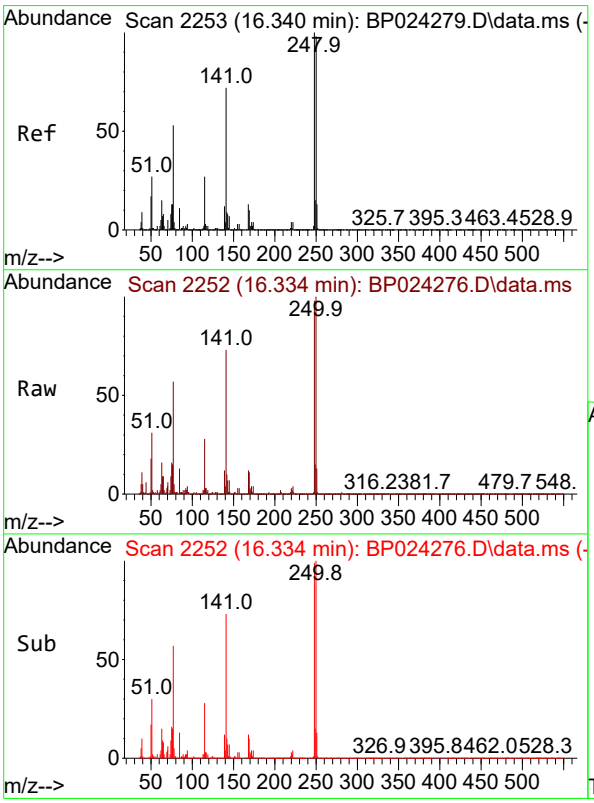
#66
n-Nitrosodiphenylamine
Concen: 4.726 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 174867

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	35.6	28.9	43.3

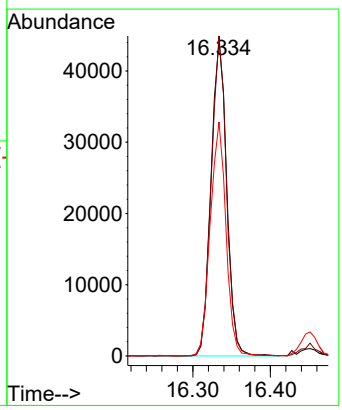


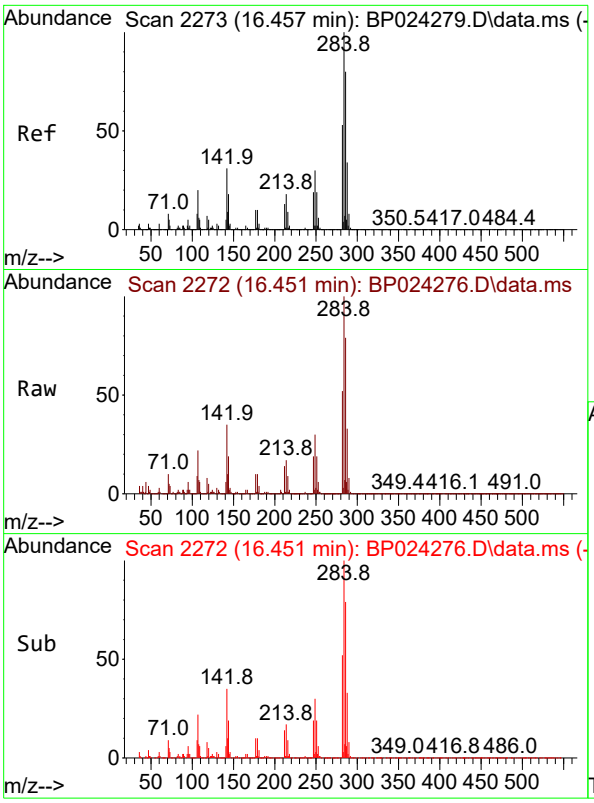


#67
4-Bromophenyl-phenylether
Concen: 4.647 ng
RT: 16.334 min Scan# 2252
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:248 Resp: 62558

Ion	Ratio	Lower	Upper
248	100		
250	101.6	78.2	117.4
141	74.2	57.7	86.5



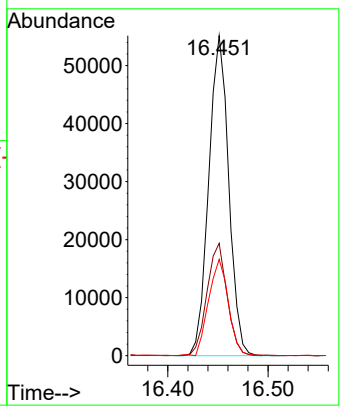


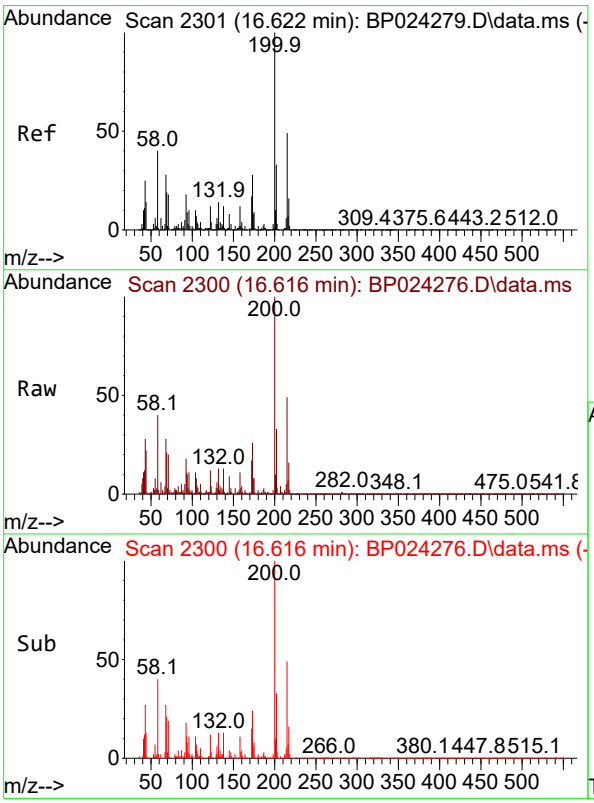
#68
Hexachlorobenzene
Concen: 4.766 ng
RT: 16.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 76267

Ion	Ratio	Lower	Upper
284	100		
142	35.1	24.6	37.0
249	30.1	23.8	35.6

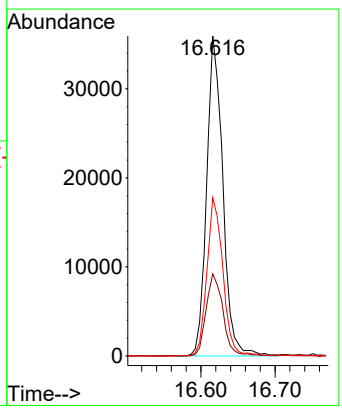


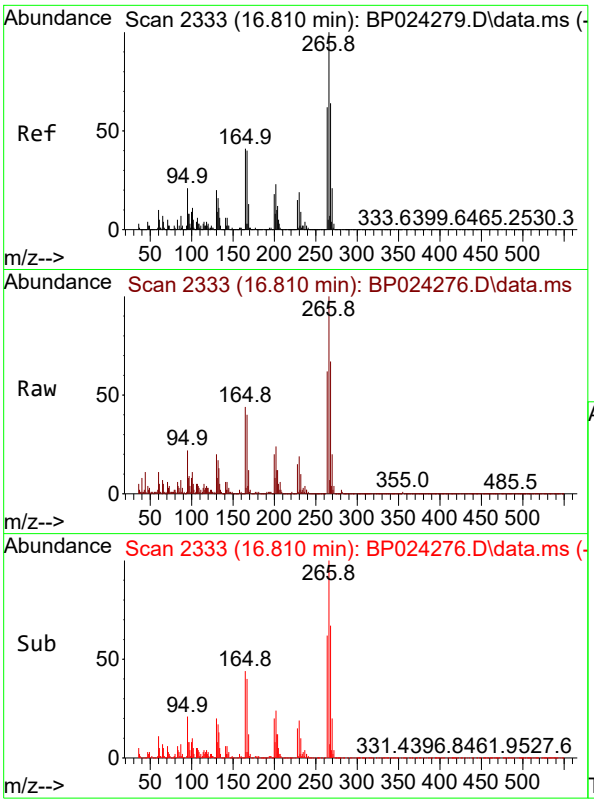


#69
Atrazine
Concen: 5.803 ng
RT: 16.616 min Scan# 2300
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:200 Resp: 54439

Ion	Ratio	Lower	Upper
200	100		
173	25.6	7.5	47.5
215	49.4	28.8	68.8



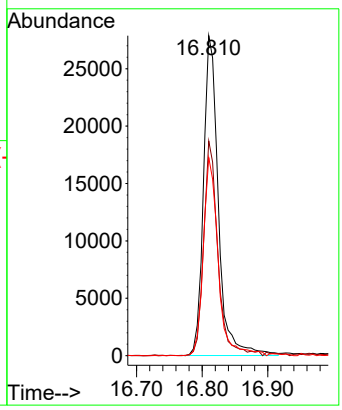


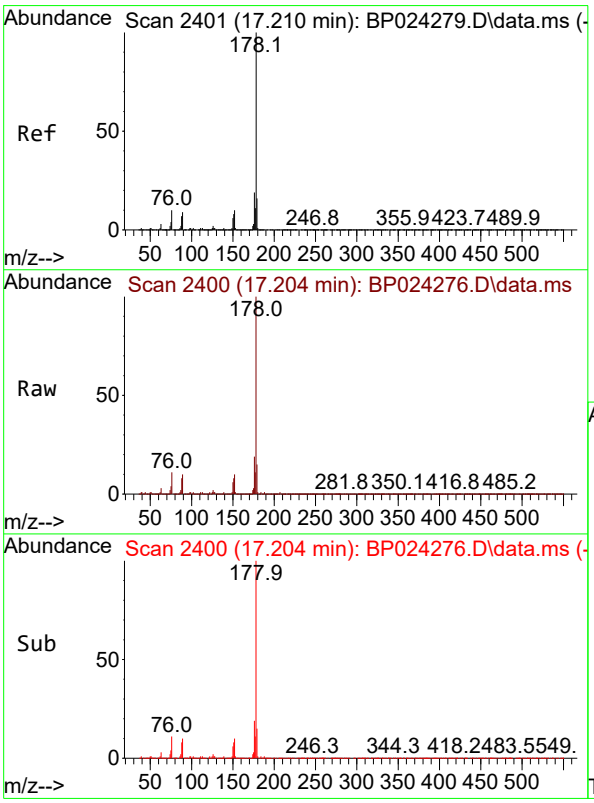
#70
Pentachlorophenol
Concen: 4.015 ng
RT: 16.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 44119

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	61.9	49.8	74.6

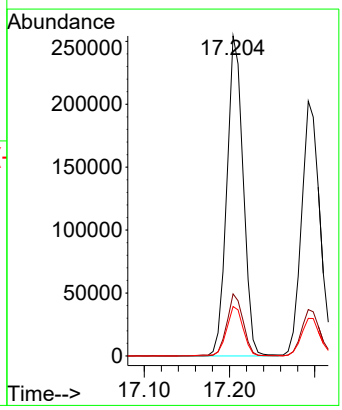


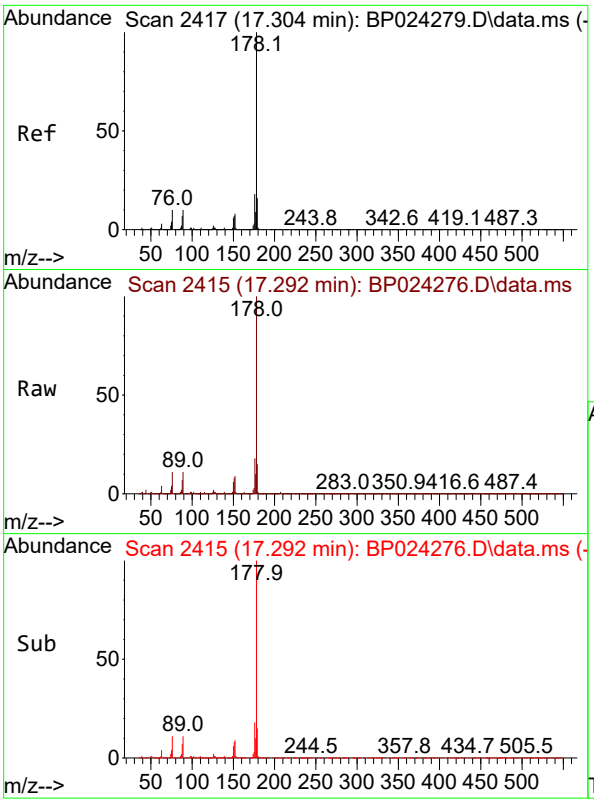


#71
Phenanthrene
Concen: 5.005 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:178 Resp: 338611

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7



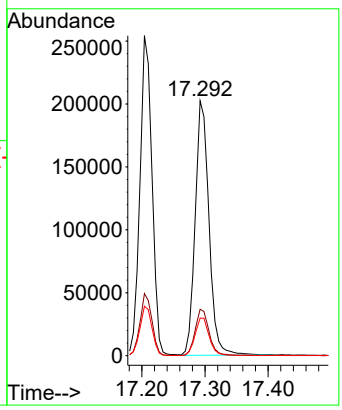


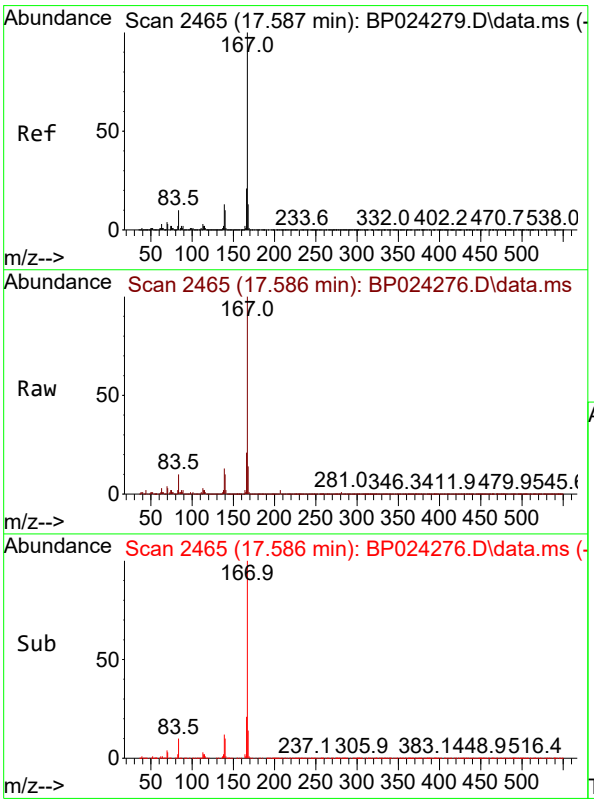
#72
Anthracene
Concen: 4.716 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 307065

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	14.8	12.4	18.6

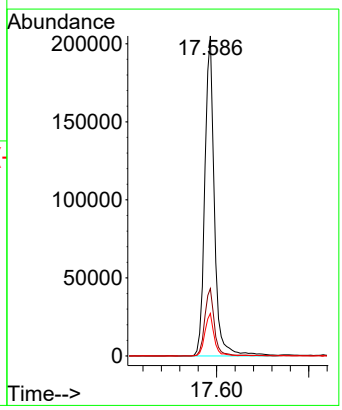


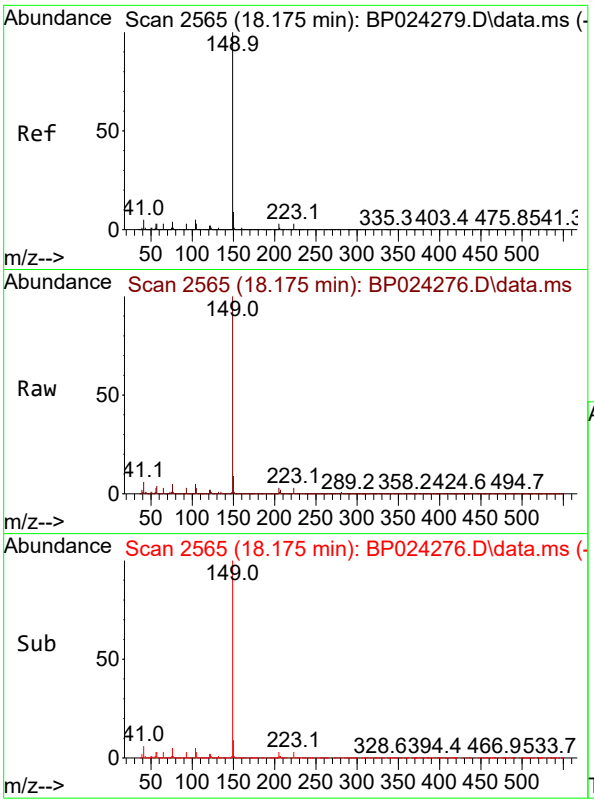


#73
Carbazole
Concen: 4.711 ng
RT: 17.586 min Scan# 2465
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:167 Resp: 298495

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	13.3	10.6	16.0



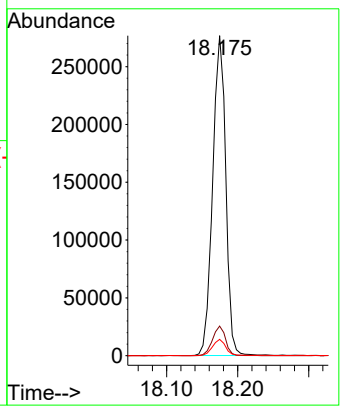


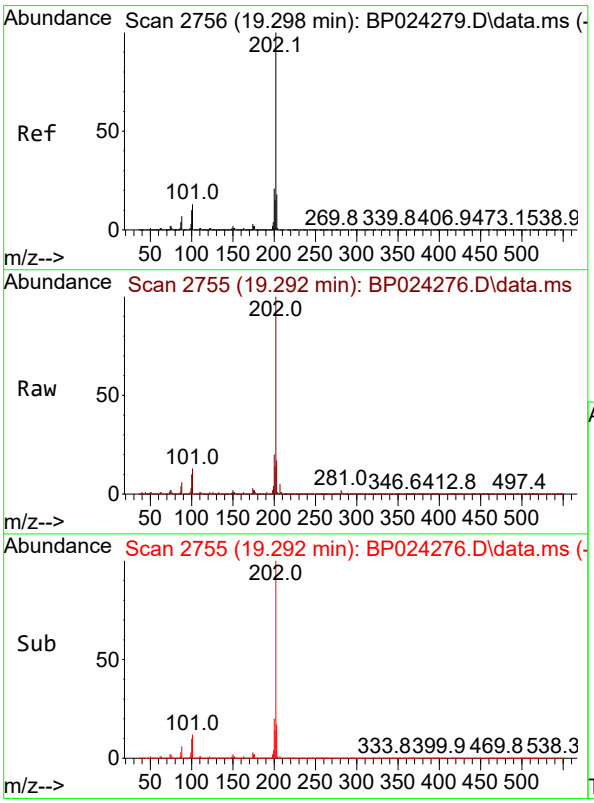
#74
Di-n-butylphthalate
Concen: 4.484 ng
RT: 18.175 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 354008

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.1	3.9	5.9

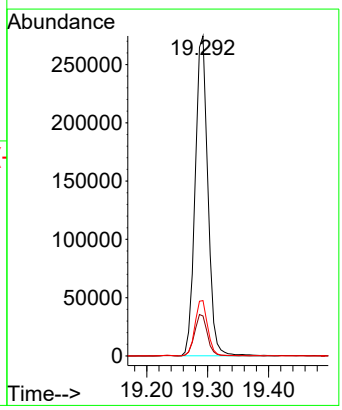


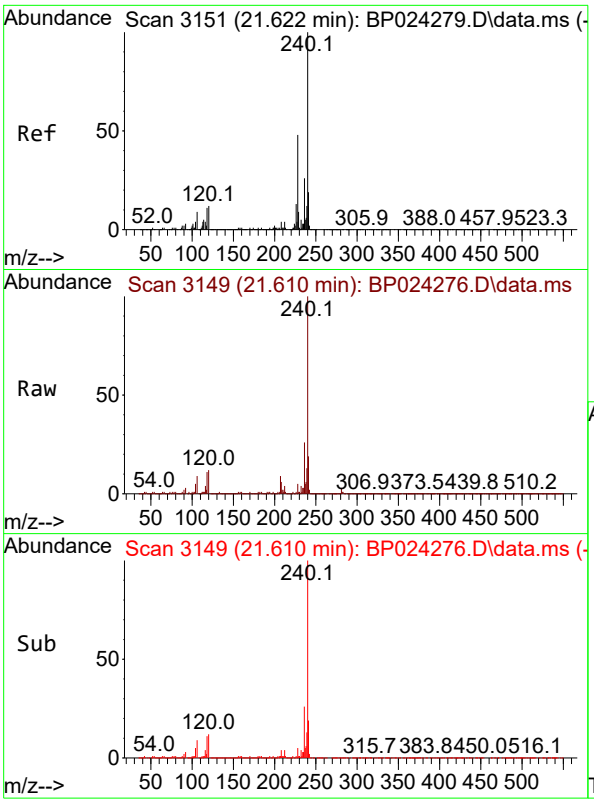


#75
Fluoranthene
Concen: 4.951 ng
RT: 19.292 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:202 Resp: 397601

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.3	0.0	37.7



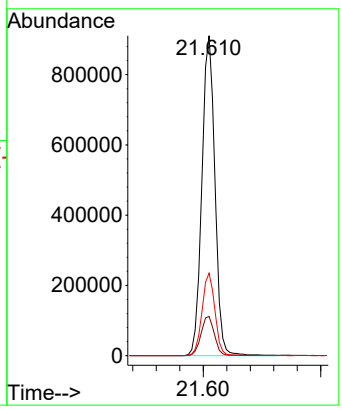


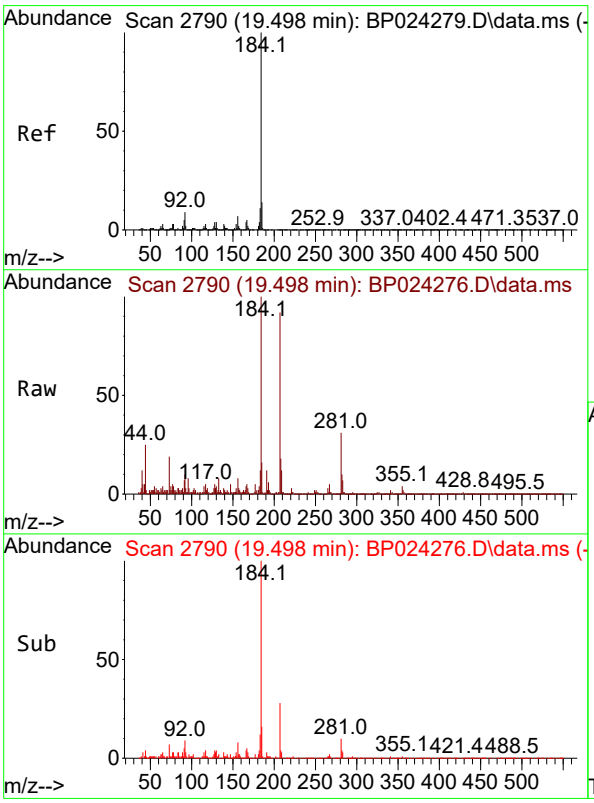
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 1401979

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.8	14.8
236	25.8	20.9	31.3

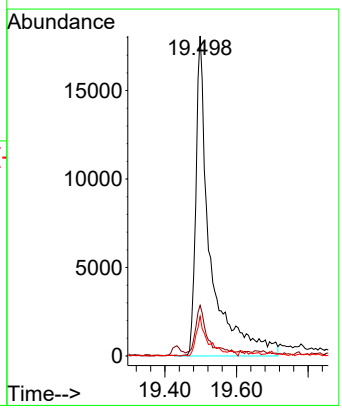


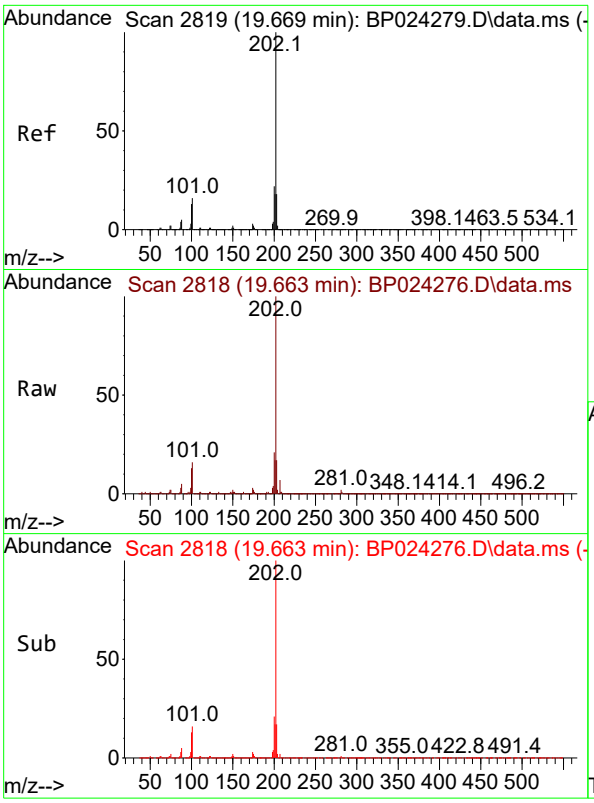


#77
Benzidine
Concen: 2.925 ng m
RT: 19.498 min Scan# 2790
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:184 Resp: 50615

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.6	17.4
183	12.4	9.2	13.8



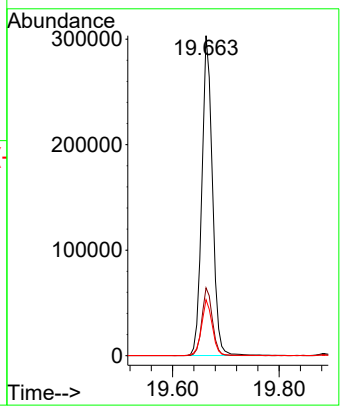


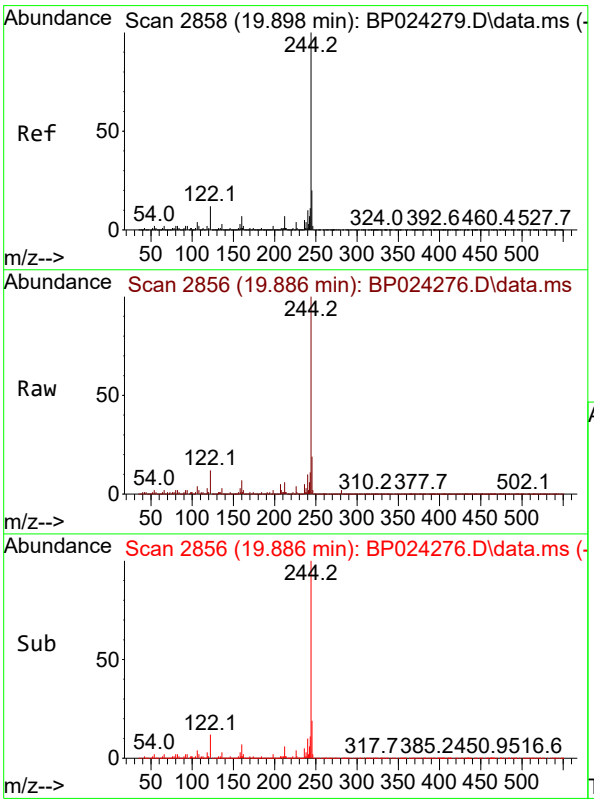
#78
Pyrene
Concen: 4.657 ng
RT: 19.663 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 417746

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.5	14.4	21.6

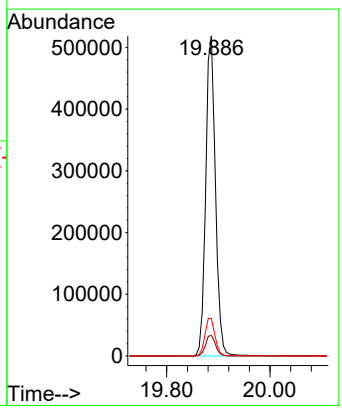


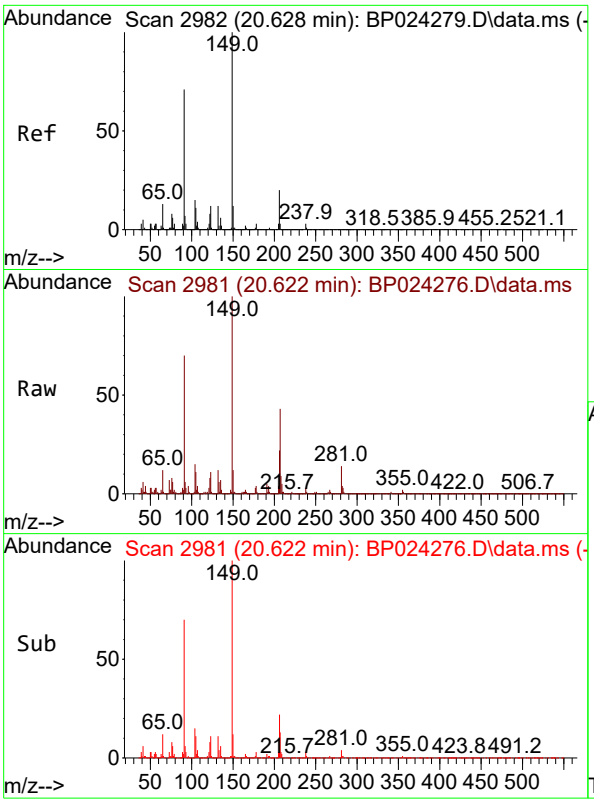


#79
Terphenyl-d14
Concen: 9.638 ng
RT: 19.886 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:244 Resp: 677812

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.7	9.4	14.0



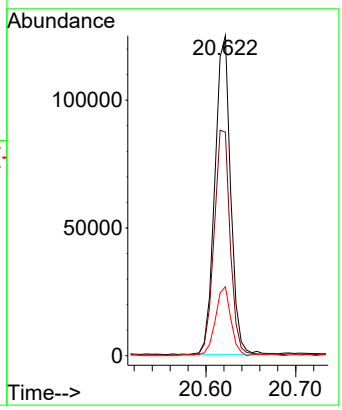


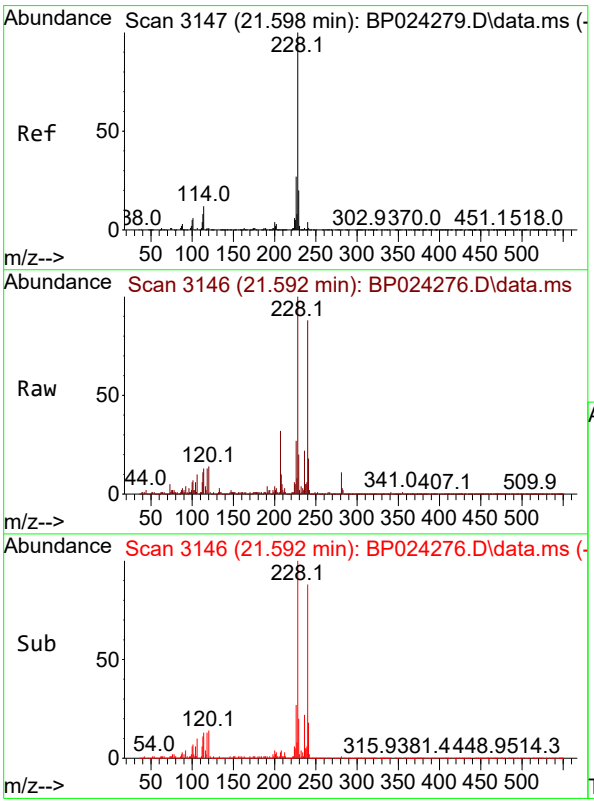
#80
Butylbenzylphthalate
Concen: 4.024 ng
RT: 20.622 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 152196

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	21.6	16.3	24.5

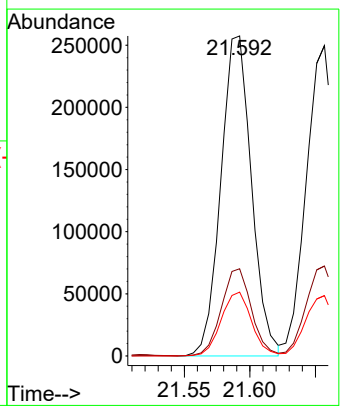


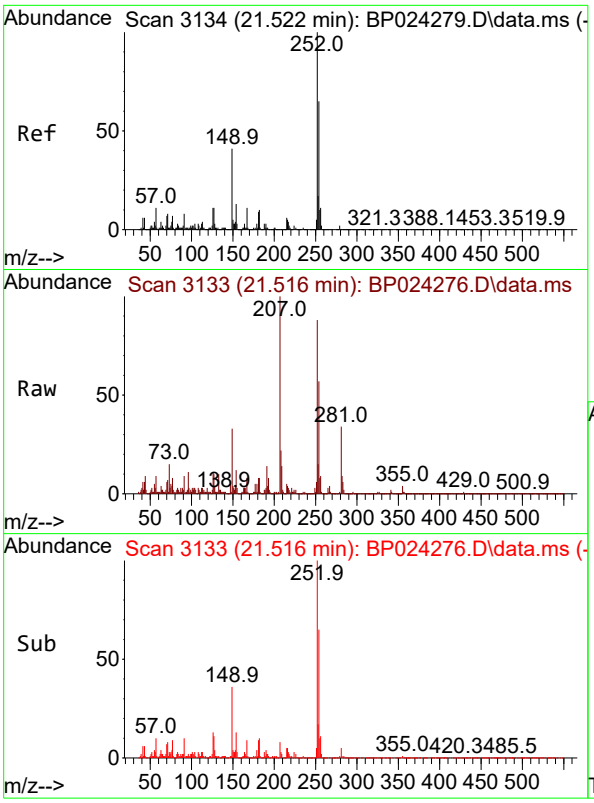


#81
Benzo(a)anthracene
Concen: 4.791 ng
RT: 21.592 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:228 Resp: 418745

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.9	23.9



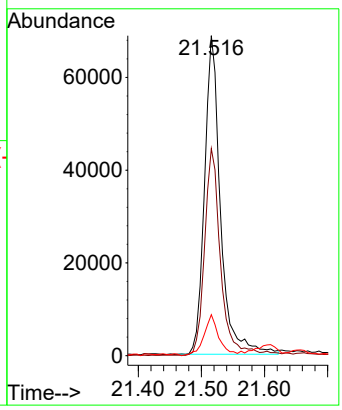


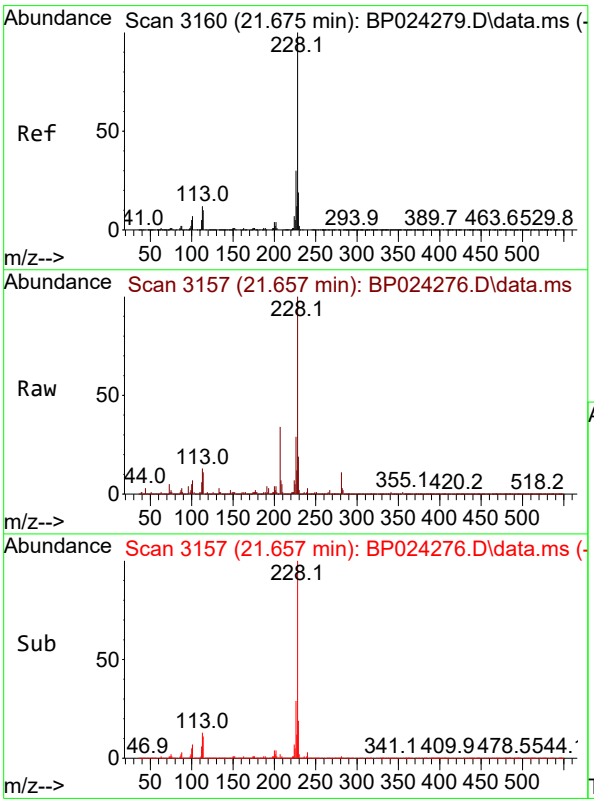
#82
3,3'-Dichlorobenzidine
Concen: 3.994 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 121047

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	12.8	8.8	13.2

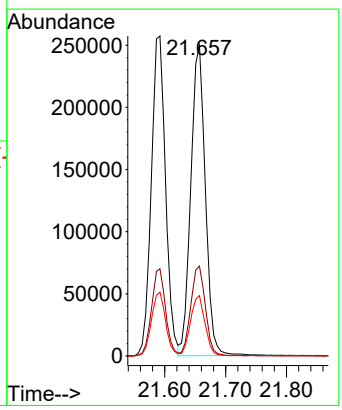


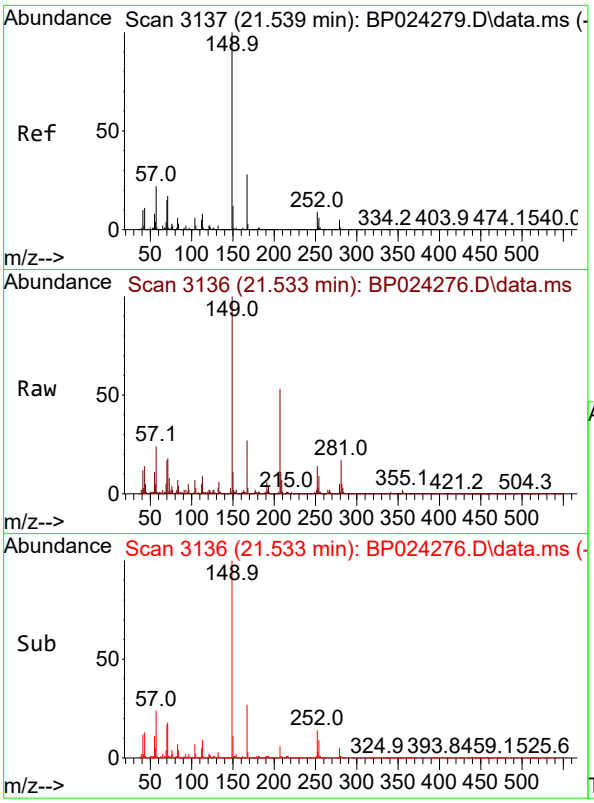


#83
Chrysene
Concen: 4.937 ng
RT: 21.657 min Scan# 3157
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:228 Resp: 413570

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	19.4	15.6	23.4



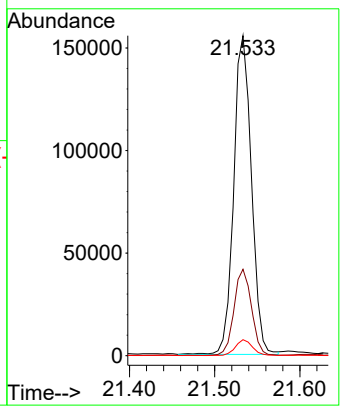


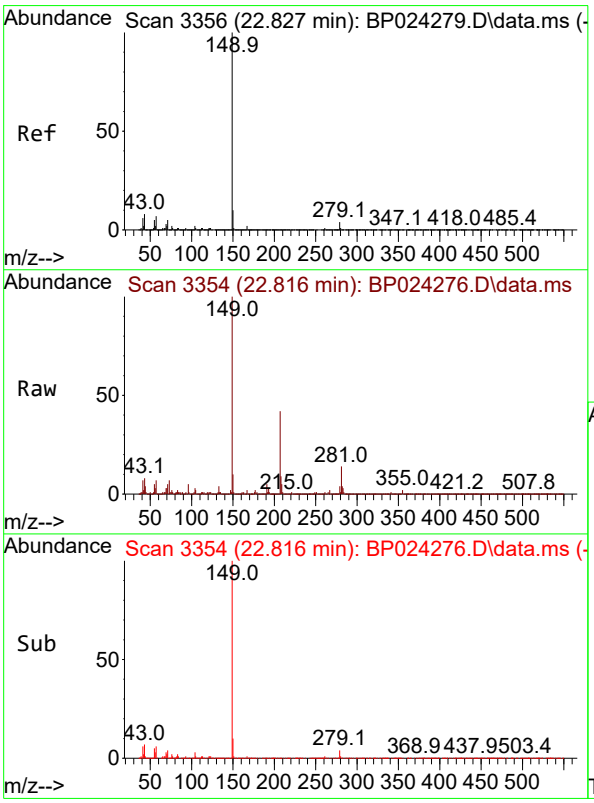
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.021 ng
RT: 21.533 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 223960

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.4	33.6
279	5.0	4.0	6.0

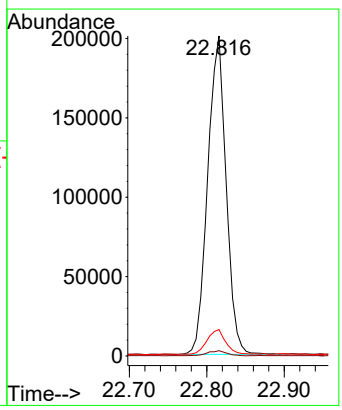


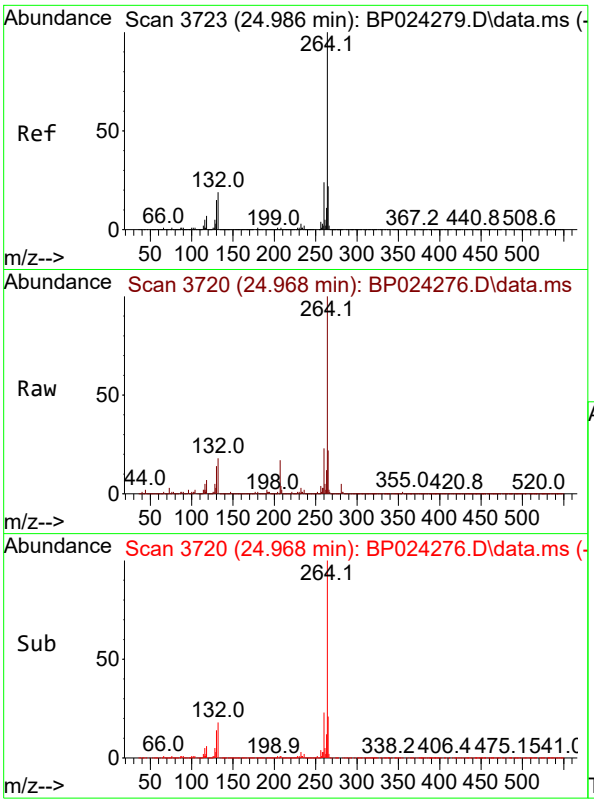


#85
Di-n-octyl phthalate
Concen: 3.712 ng
RT: 22.816 min Scan# 3354
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 331185

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0



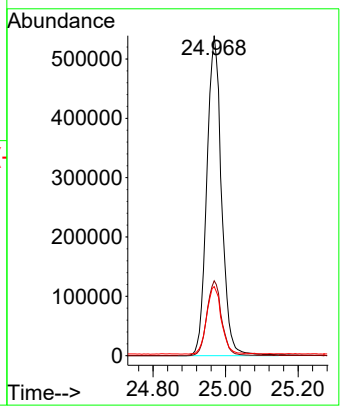


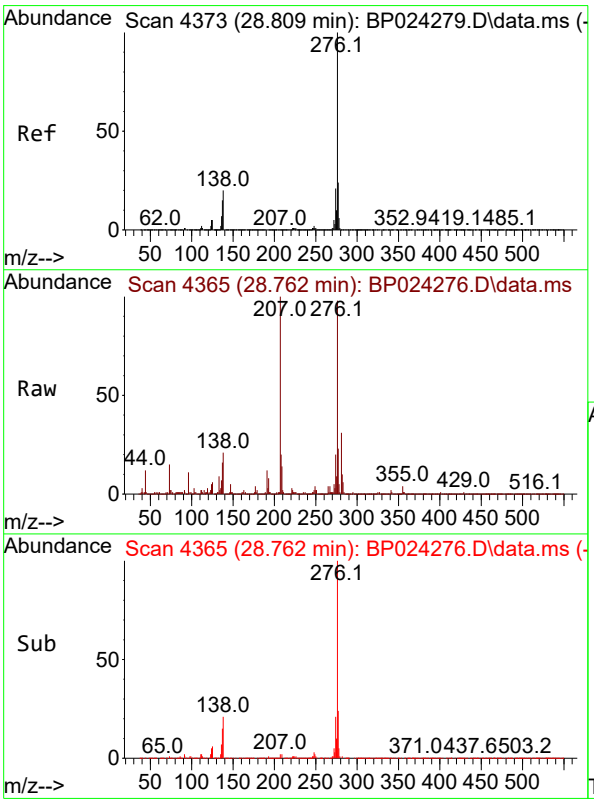
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.968 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 1519057

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.6	17.8	26.6

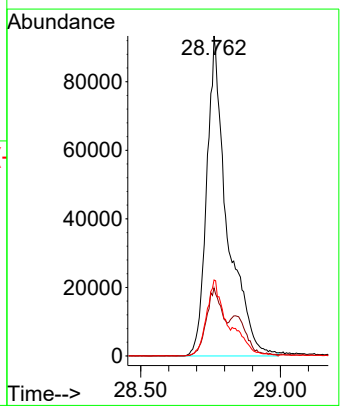


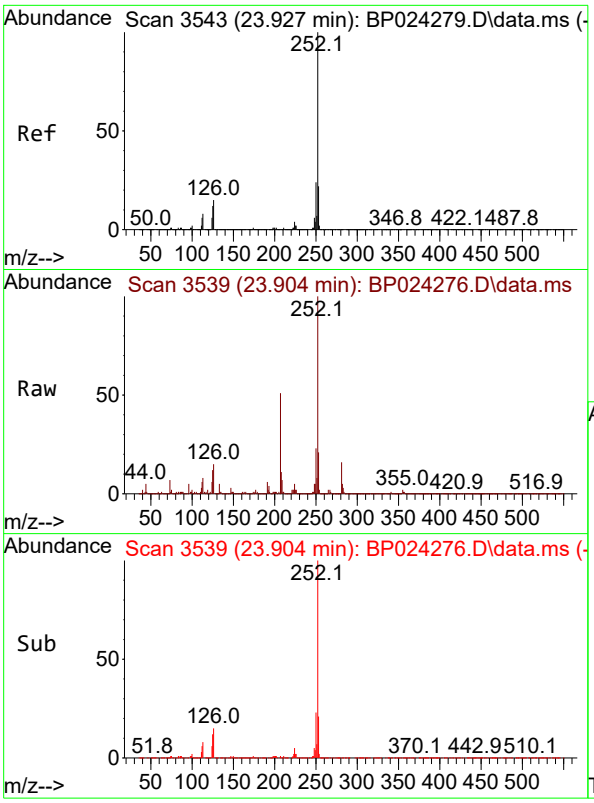


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.552 ng
RT: 28.762 min Scan# 4365
Delta R.T. -0.047 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:276 Resp: 475578

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	19.3	20.2	30.2#



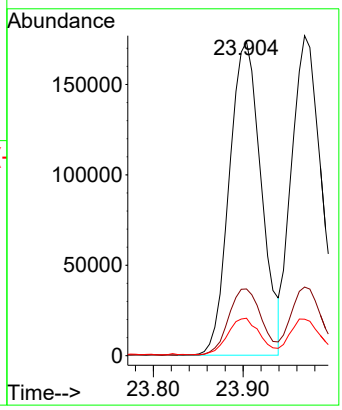


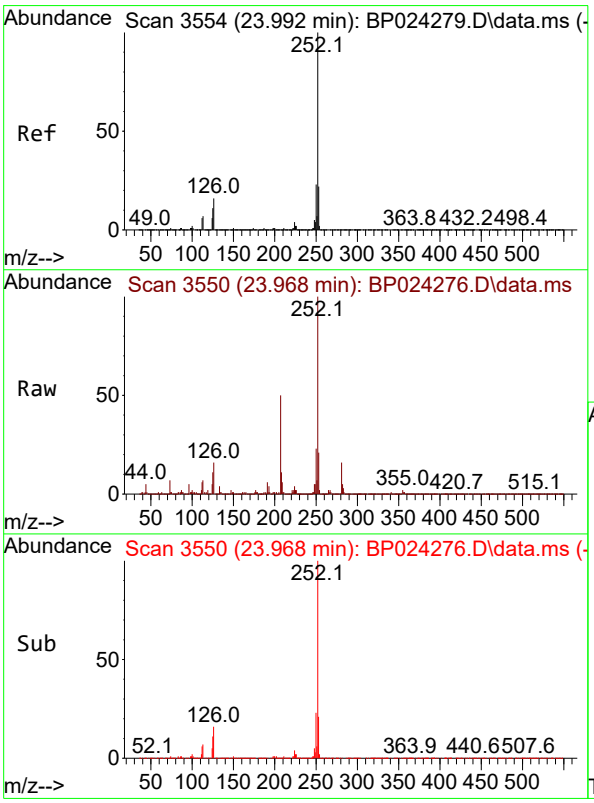
#88
Benzo(b)fluoranthene
Concen: 4.723 ng
RT: 23.904 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 429214

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	11.9	9.4	14.0

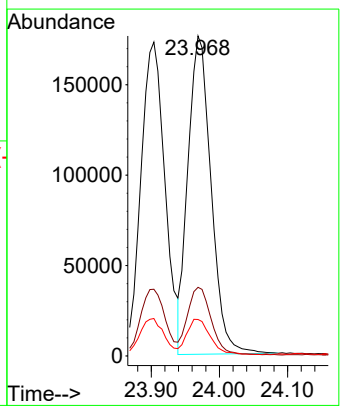


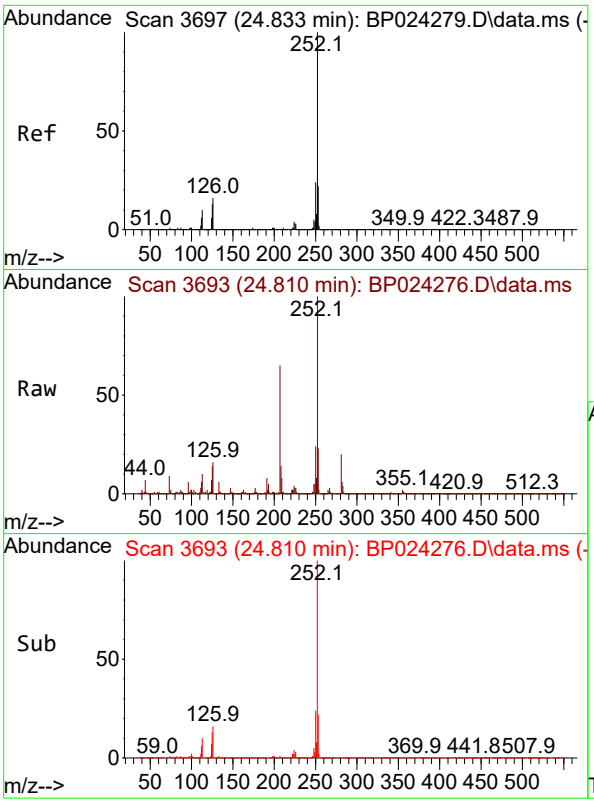


#89
Benzo(k)fluoranthene
Concen: 4.686 ng
RT: 23.968 min Scan# 3550
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:252 Resp: 413302

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.4	9.1	13.7



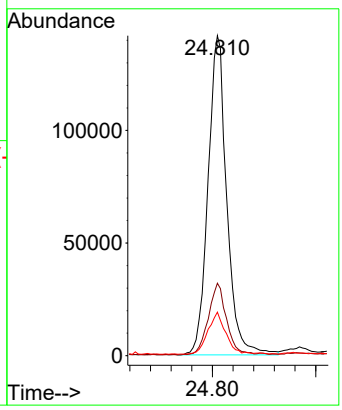


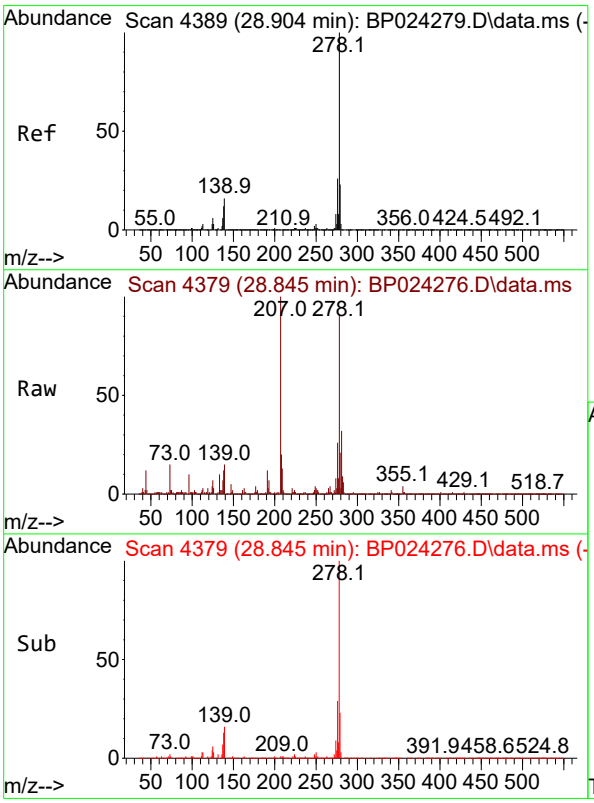
#90
Benzo(a)pyrene
Concen: 4.559 ng
RT: 24.810 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 356658

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	13.6	10.1	15.1

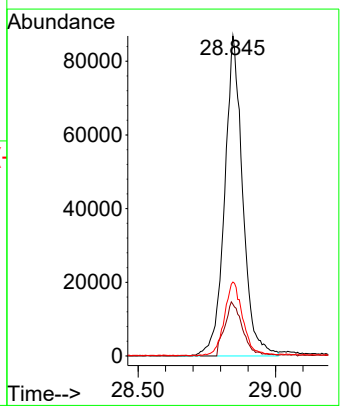


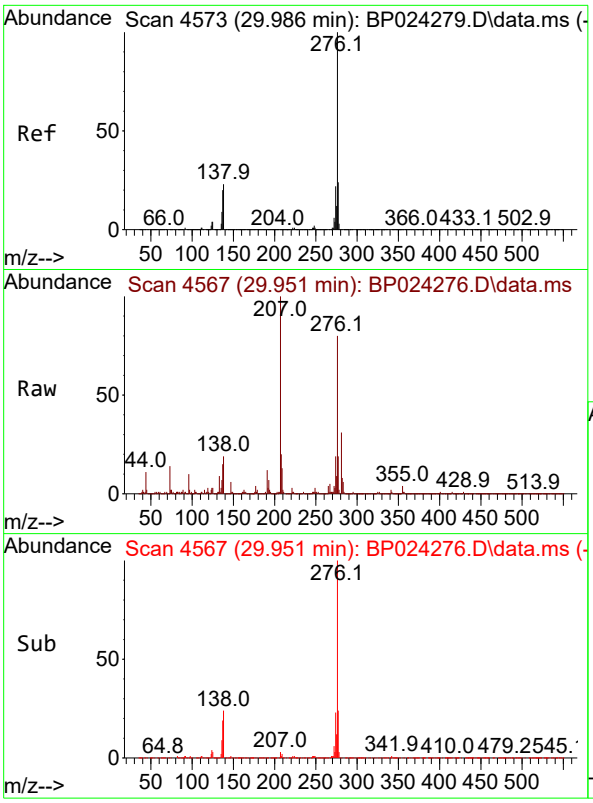


#91
Dibenzo(a,h)anthracene
Concen: 4.571 ng
RT: 28.845 min Scan# 4379
Delta R.T. -0.059 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:278 Resp: 397247

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	23.1	18.5	27.7



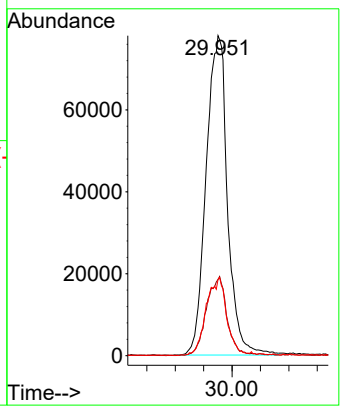


#92
Benzo(g,h,i)perylene
Concen: 4.607 ng
RT: 29.951 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 407522

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	23.8	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	237860	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1022895	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	658652	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1310701	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1408913	20.000	ng		0.00
86) Perylene-d12	24.980	264	1508235	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	272237	18.889	ng		0.00
7) Phenol-d6	6.910	99	369199	18.725	ng		0.00
23) Nitrobenzene-d5	8.881	82	345094	19.207	ng		0.00
42) 2,4,6-Tribromophenol	15.886	330	168790	18.715	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	878366	20.247	ng		0.00
79) Terphenyl-d14	19.892	244	1405643	19.888	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	61433	9.984	ng		98
3) Pyridine	3.693	79	152243	9.506	ng		99
4) n-Nitrosodimethylamine	3.599	42	52702	9.868	ng	#	98
6) Aniline	7.069	93	176840	9.935	ng		99
8) 2-Chlorophenol	7.305	128	154194	9.573	ng		100
9) Benzaldehyde	6.887	77	111093m	10.879	ng		
10) Phenol	6.940	94	186113	9.401	ng		97
11) bis(2-Chloroethyl)ether	7.157	93	156684	9.794	ng		98
12) 1,3-Dichlorobenzene	7.622	146	176712	10.126	ng		97
13) 1,4-Dichlorobenzene	7.769	146	177067	10.006	ng		99
14) 1,2-Dichlorobenzene	8.081	146	171376	10.016	ng		99
15) Benzyl Alcohol	7.969	79	111176	8.797	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.252	45	177896	10.221	ng		98
17) 2-Methylphenol	8.175	107	119161	9.340	ng		98
18) Hexachloroethane	8.804	117	63912	10.007	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	119861	9.787	ng		100
20) 3+4-Methylphenols	8.499	107	162332	9.187	ng		99
22) Acetophenone	8.546	105	248823	9.787	ng		99
24) Nitrobenzene	8.922	77	170770	9.590	ng		98
25) Isophorone	9.446	82	307272	9.473	ng		99
26) 2-Nitrophenol	9.628	139	73320	8.575	ng		96
27) 2,4-Dimethylphenol	9.693	122	99186	9.152	ng		97
28) bis(2-Chloroethoxy)met...	9.922	93	217866	9.869	ng		99
29) 2,4-Dichlorophenol	10.163	162	136816	9.263	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	155965	9.760	ng		100
31) Naphthalene	10.557	128	538892	9.953	ng		99
32) Benzoic acid	9.781	122	94803m	8.095	ng		
33) 4-Chloroaniline	10.669	127	178451	9.433	ng		99
34) Hexachlorobutadiene	10.845	225	92662	9.885	ng		99
35) Caprolactam	11.440	113	47014	8.670	ng		98
36) 4-Chloro-3-methylphenol	11.798	107	158563	9.213	ng		99
37) 2-Methylnaphthalene	12.169	142	368122	9.810	ng		98
38) 1-Methylnaphthalene	12.387	142	365139	9.933	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	177188	9.789	ng		100
41) Hexachlorocyclopentadiene	12.516	237	60914	9.586	ng		96
43) 2,4,6-Trichlorophenol	12.781	196	110203	9.253	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

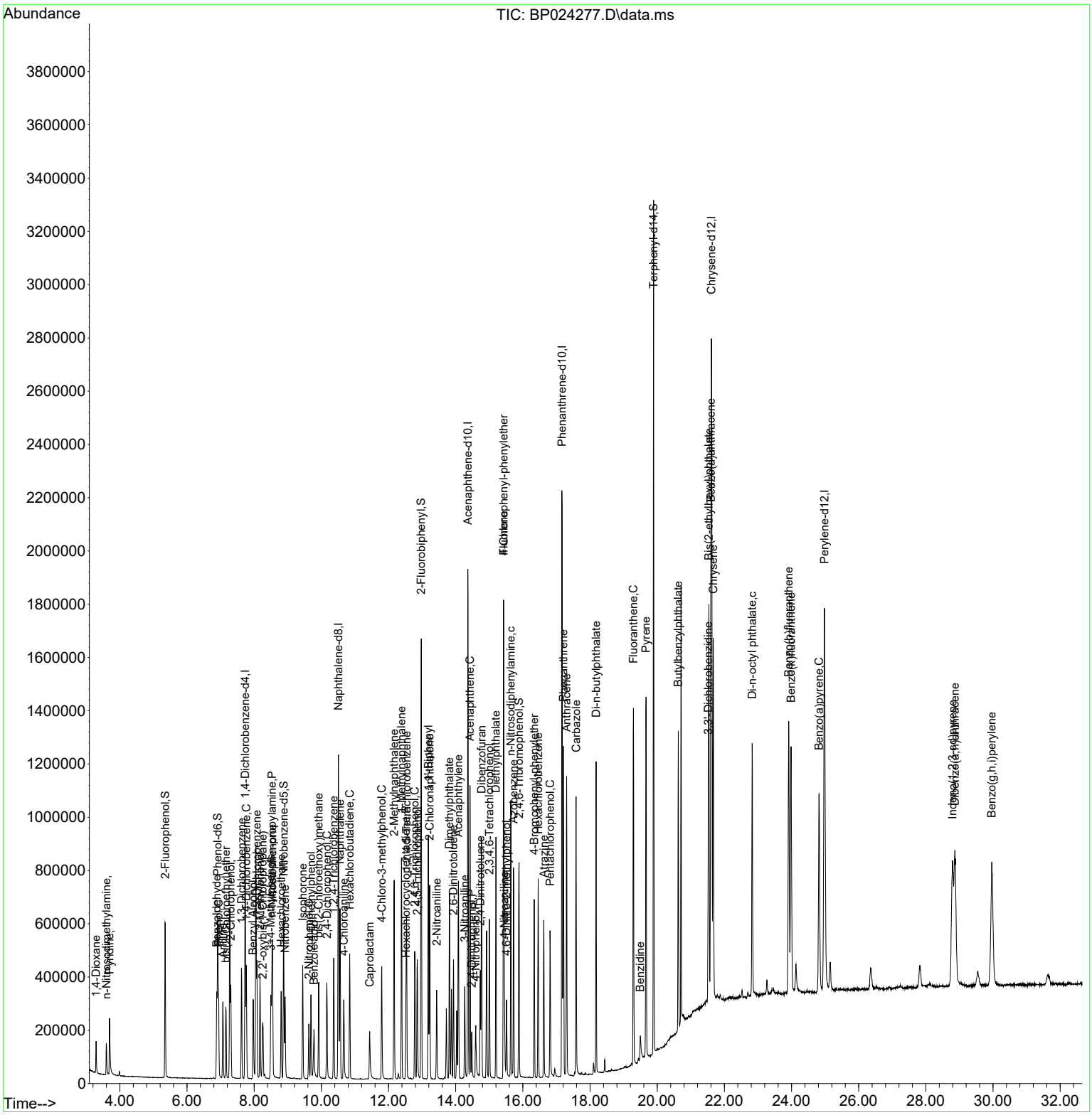
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	122104	9.251	ng		98
46) 1,1'-Biphenyl	13.187	154	490325	10.080	ng		100
47) 2-Chloronaphthalene	13.228	162	362419	9.985	ng		98
48) 2-Nitroaniline	13.434	65	88889	8.866	ng		95
49) Acenaphthylene	14.081	152	553215	9.711	ng		100
50) Dimethylphthalate	13.816	163	466314	9.704	ng		99
51) 2,6-Dinitrotoluene	13.934	165	95596	9.442	ng		96
52) Acenaphthene	14.428	154	357828	9.877	ng		99
53) 3-Nitroaniline	14.269	138	95237	9.067	ng		97
54) 2,4-Dinitrophenol	14.481	184	41132	7.588	ng		97
55) Dibenzofuran	14.769	168	594953	10.013	ng		99
56) 4-Nitrophenol	14.598	139	75995	8.416	ng		95
57) 2,4-Dinitrotoluene	14.734	165	121276	8.862	ng	#	95
58) Fluorene	15.428	166	459952	10.026	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	115645	9.470	ng		100
60) Diethylphthalate	15.198	149	488847	9.884	ng		100
61) 4-Chlorophenyl-phenyle...	15.428	204	222437	9.985	ng		97
62) 4-Nitroaniline	15.451	138	98638	8.857	ng		93
63) Azobenzene	15.722	77	455459	9.999	ng		96
65) 4,6-Dinitro-2-methylph...	15.516	198	62421	8.151	ng		96
66) n-Nitrosodiphenylamine	15.639	169	383558	9.759	ng		99
67) 4-Bromophenyl-phenylether	16.339	248	138724	9.703	ng		97
68) Hexachlorobenzene	16.457	284	161944	9.528	ng		98
69) Atrazine	16.628	200	109503	10.990	ng		98
70) Pentachlorophenol	16.810	266	101318	8.682	ng		96
71) Phenanthrene	17.210	178	711407	9.900	ng		99
72) Anthracene	17.304	178	666269	9.635	ng		100
73) Carbazole	17.586	167	654205	9.721	ng		99
74) Di-n-butylphthalate	18.180	149	806280	9.616	ng		99
75) Fluoranthene	19.292	202	835153	9.791	ng		98
77) Benzidine	19.498	184	99659	5.730	ng		99
78) Pyrene	19.669	202	870767	9.659	ng		99
80) Butylbenzylphthalate	20.627	149	343670	9.043	ng		99
81) Benzo(a)anthracene	21.598	228	854983	9.734	ng		98
82) 3,3'-Dichlorobenzidine	21.521	252	269772	8.857	ng		98
83) Chrysene	21.668	228	832263	9.887	ng		100
84) Bis(2-ethylhexyl)phtha...	21.539	149	517894	9.253	ng		99
85) Di-n-octyl phthalate	22.827	149	769654	8.584	ng		99
87) Indeno(1,2,3-cd)pyrene	28.792	276	983323	9.480	ng		99
88) Benzo(b)fluoranthene	23.915	252	885212	9.810	ng		99
89) Benzo(k)fluoranthene	23.986	252	852606	9.735	ng		99
90) Benzo(a)pyrene	24.815	252	732209	9.426	ng		99
91) Dibenzo(a,h)anthracene	28.862	278	821160	9.517	ng		99
92) Benzo(g,h,i)perylene	29.962	276	836993	9.530	ng		99

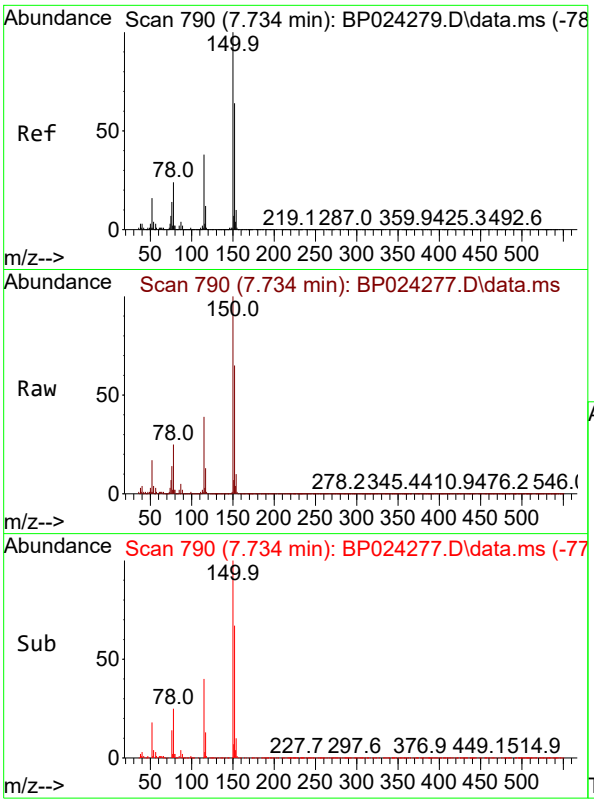
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



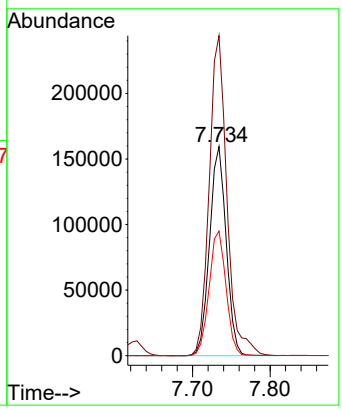


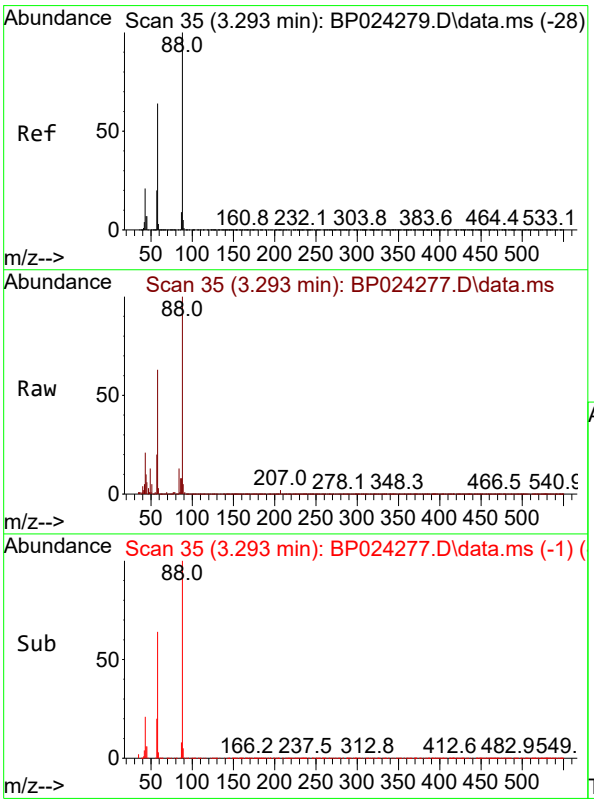
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 237860

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.9	187.3
115	59.6	47.7	71.5

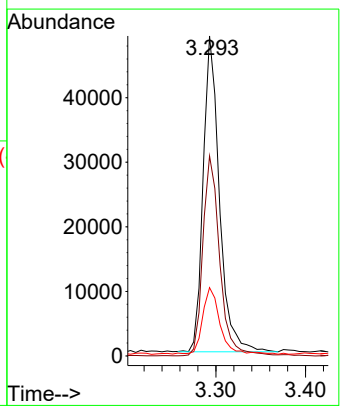


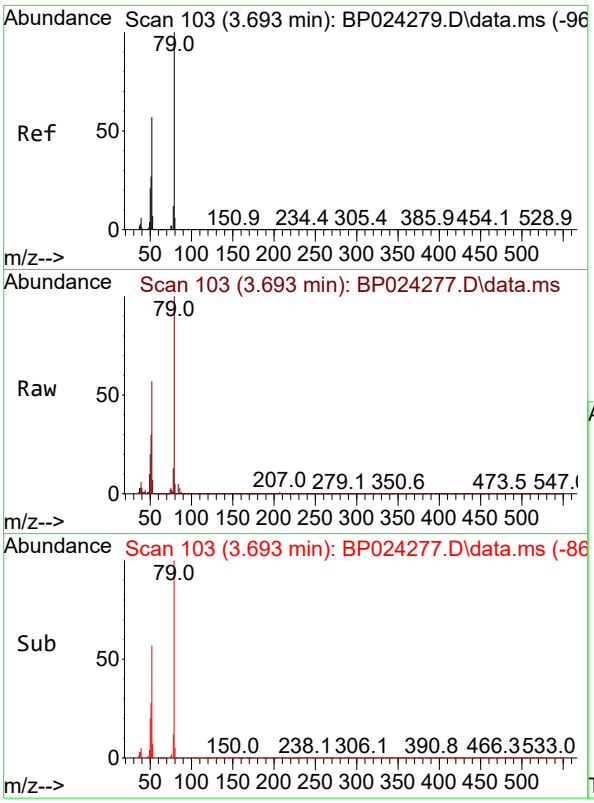


#2
1,4-Dioxane
Concen: 9.984 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 88 Resp: 61433

Ion	Ratio	Lower	Upper
88	100		
58	65.6	51.4	77.2
43	22.9	17.1	25.7



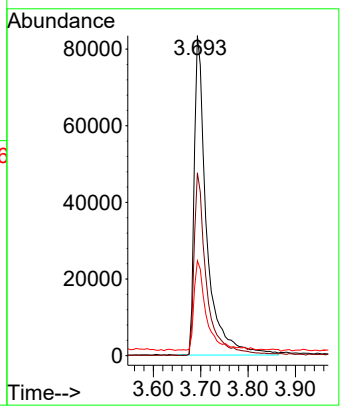


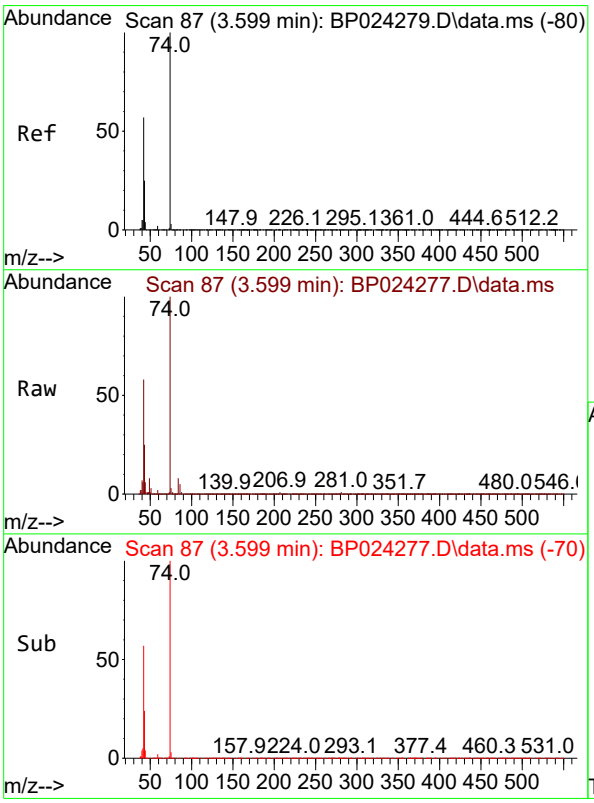
#3
Pyridine
Concen: 9.506 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 152243

Ion	Ratio	Lower	Upper
79	100		
52	57.2	45.4	68.2
51	29.7	22.6	33.8

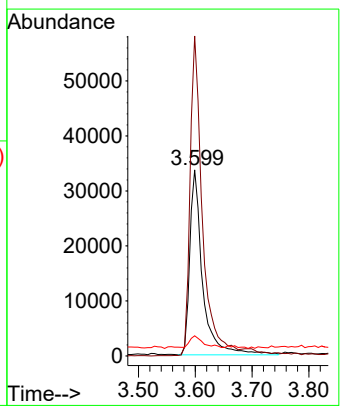


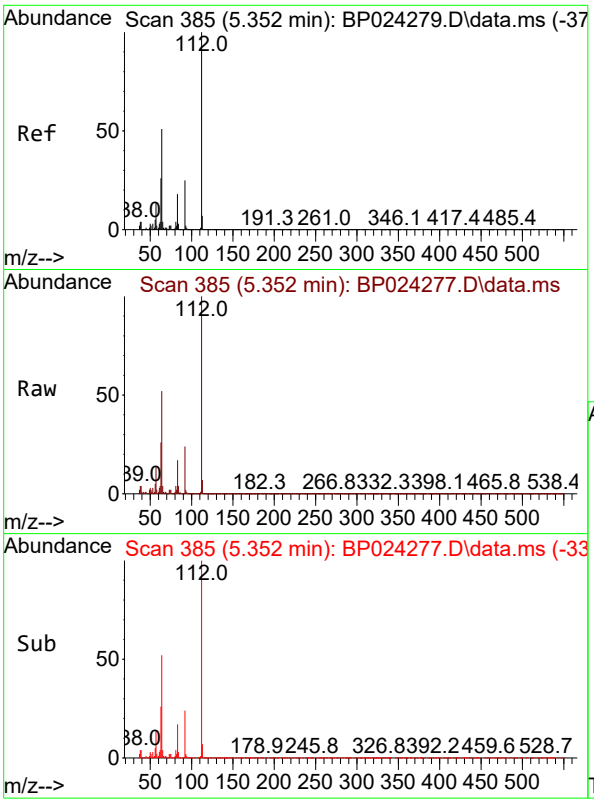


#4
n-Nitrosodimethylamine
Concen: 9.868 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 42 Resp: 52702

Ion	Ratio	Lower	Upper
42	100		
74	172.0	139.5	209.3
44	10.8	5.8	8.8#



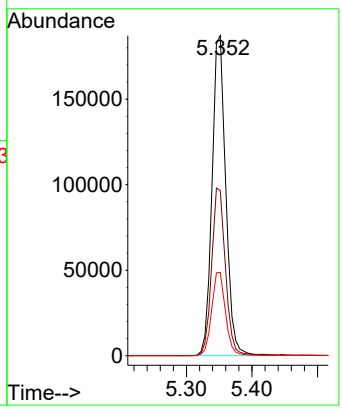


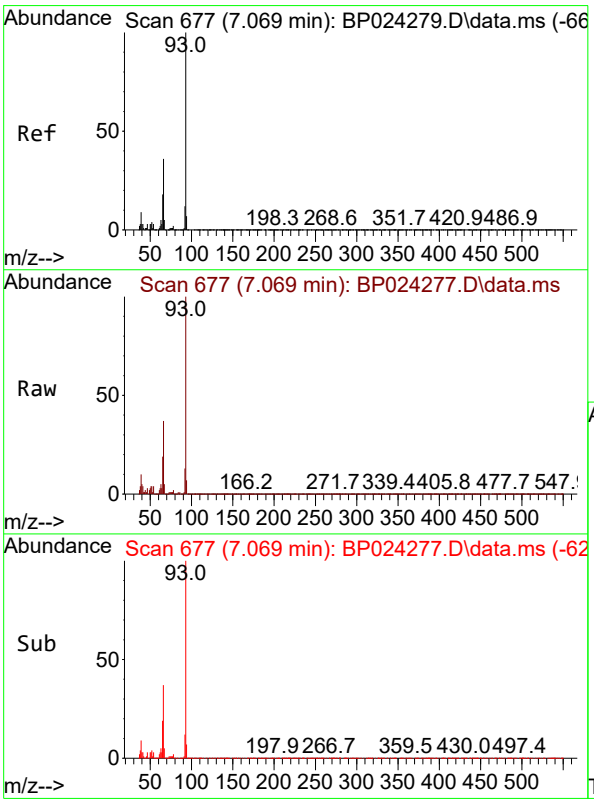
#5
2-Fluorophenol
Concen: 18.889 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 272237

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

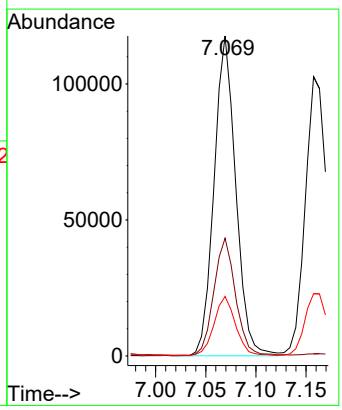


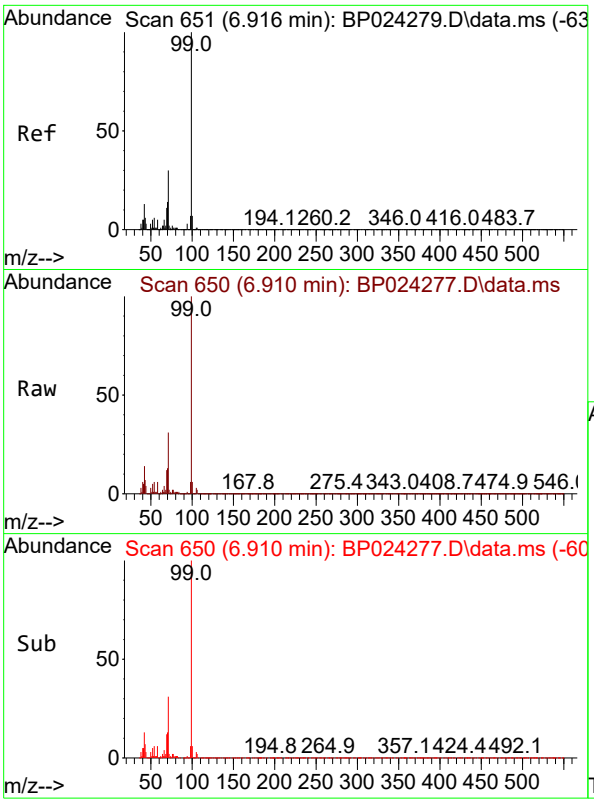


#6
Aniline
Concen: 9.935 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 176840

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.6	14.7	22.1



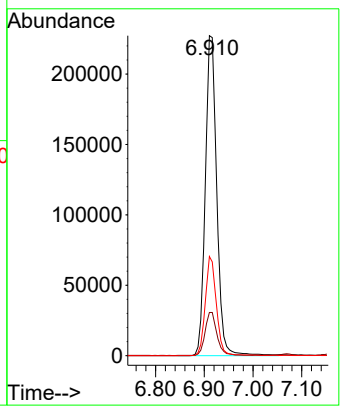


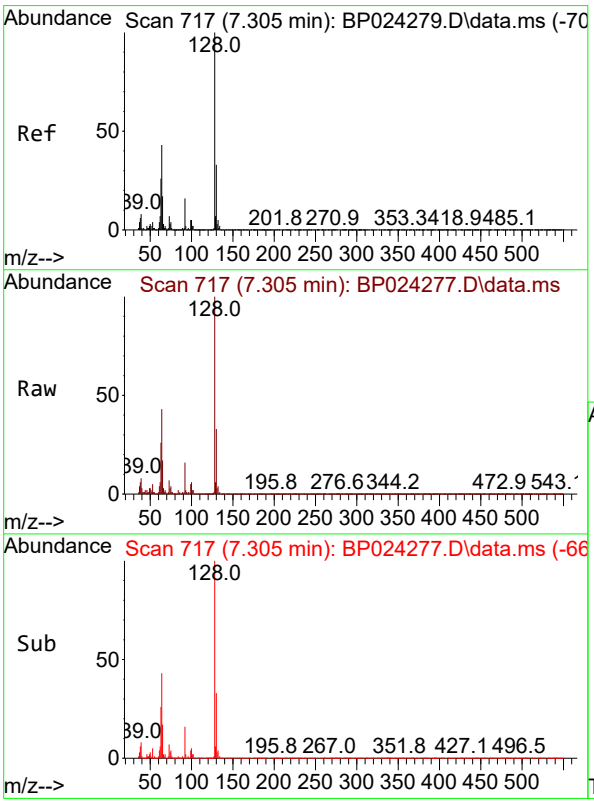
#7
Phenol-d6
Concen: 18.725 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 369199

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	31.0	23.7	35.5

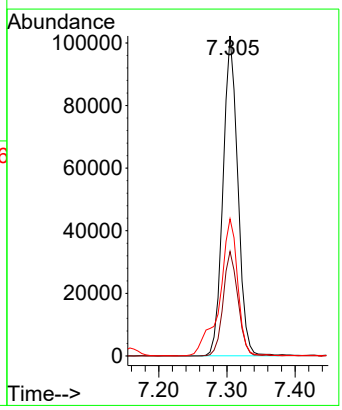


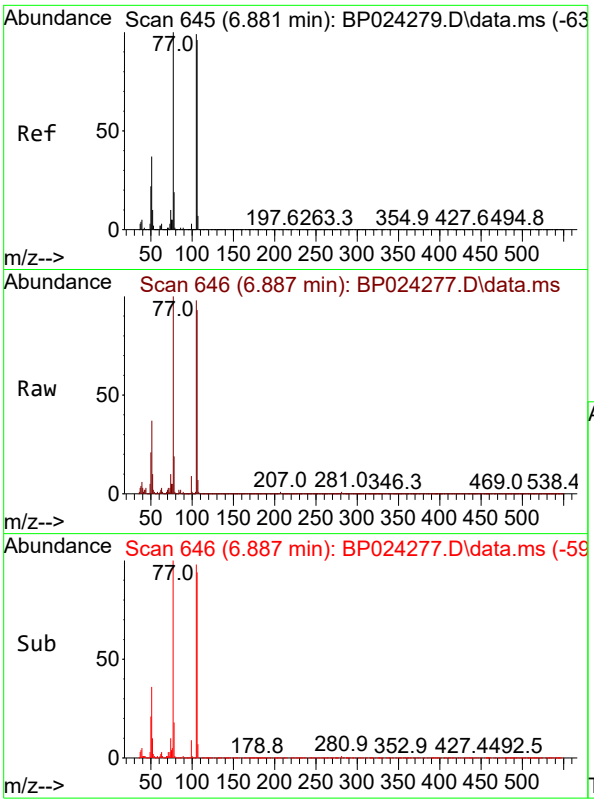


#8
2-Chlorophenol
Concen: 9.573 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:128 Resp: 154194

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	42.8	22.7	62.7



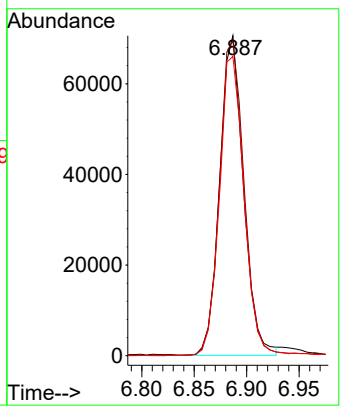


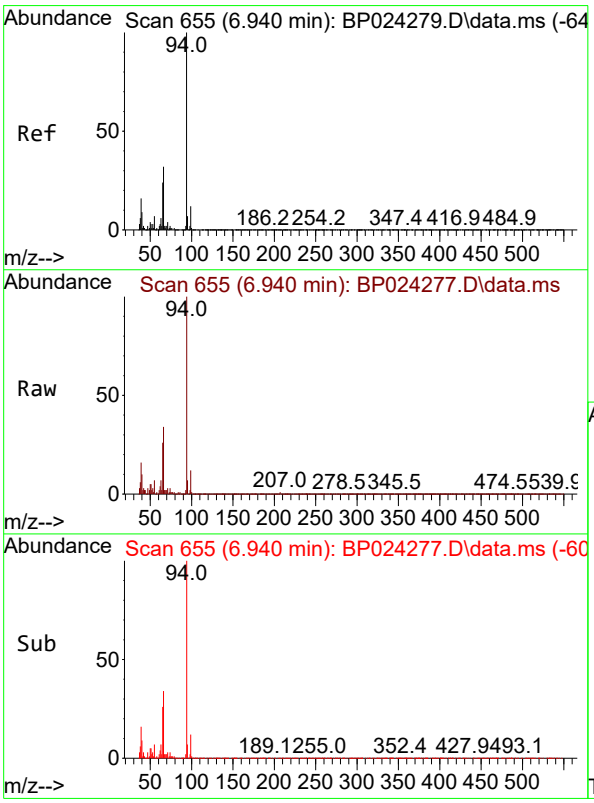
#9
Benzaldehyde
Concen: 10.879 ng m
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 111093

Ion	Ratio	Lower	Upper
77	100		
105	98.4	79.2	119.2
106	93.5	76.2	116.2

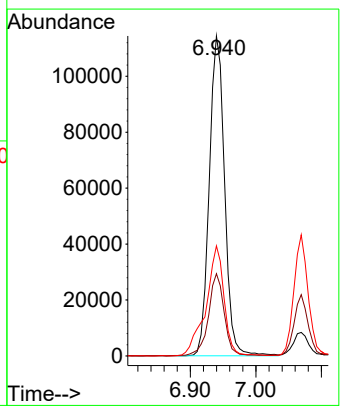


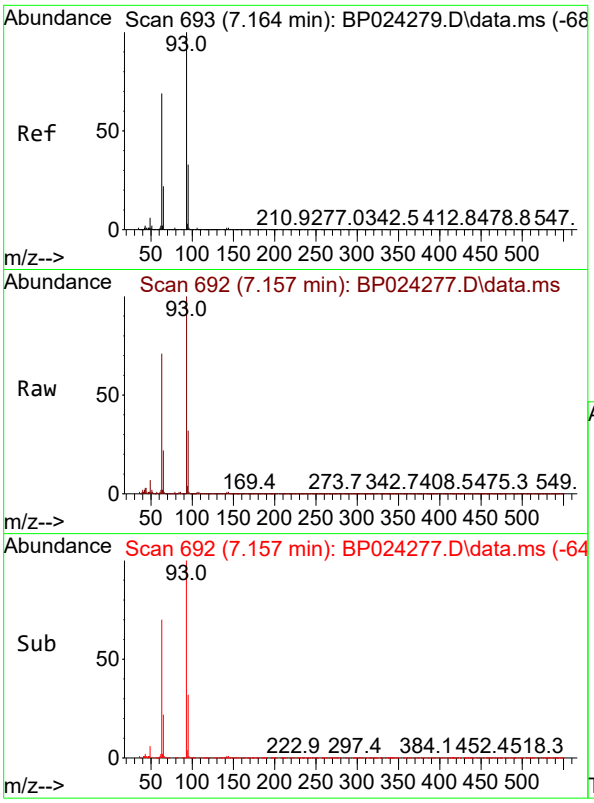


#10
Phenol
Concen: 9.401 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 94 Resp: 186113

Ion	Ratio	Lower	Upper
94	100		
65	25.7	4.5	44.5
66	34.4	12.4	52.4



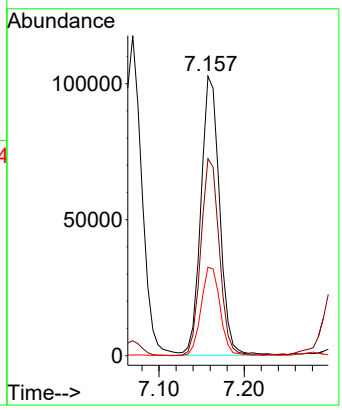


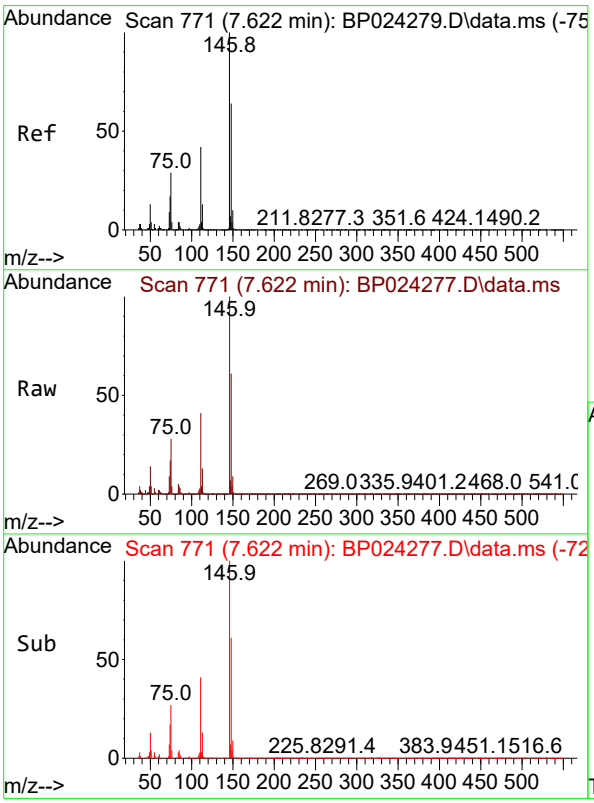
#11
bis(2-Chloroethyl)ether
Concen: 9.794 ng
RT: 7.157 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 156684

Ion	Ratio	Lower	Upper
93	100		
63	70.5	48.6	88.6
95	31.6	12.3	52.3

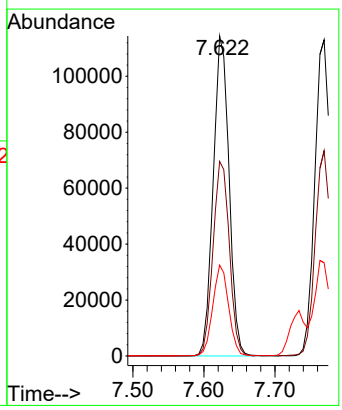


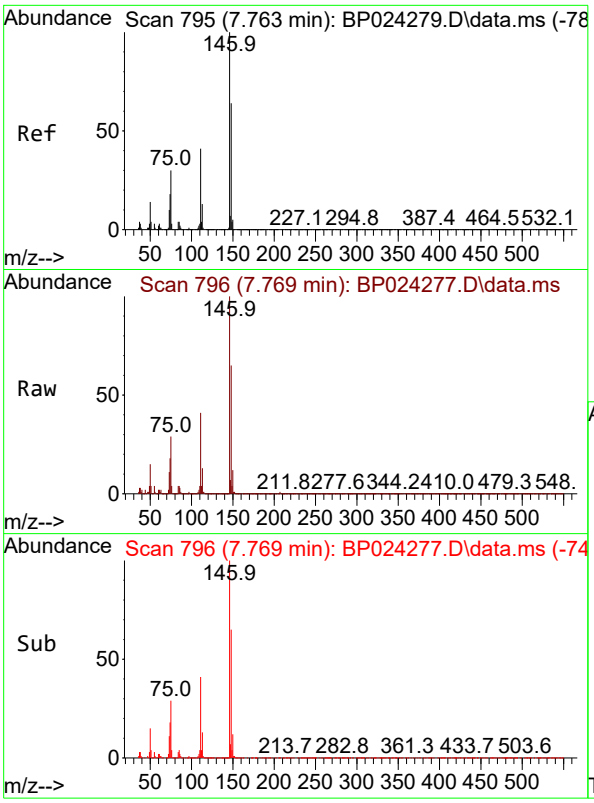


#12
1,3-Dichlorobenzene
Concen: 10.126 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 176712

Ion	Ratio	Lower	Upper
146	100		
148	60.8	51.4	77.0
75	28.4	22.9	34.3



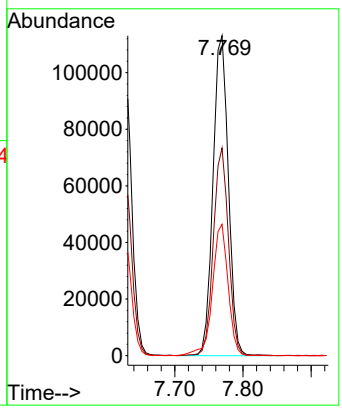


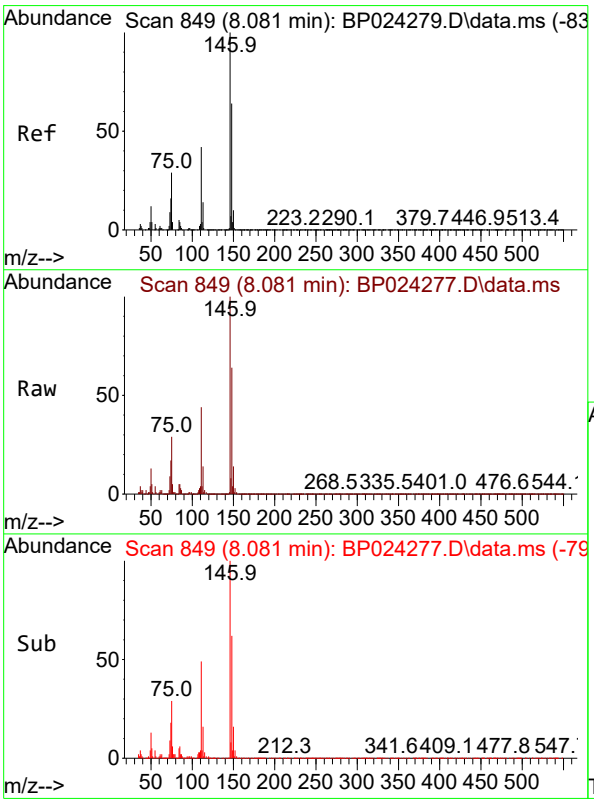
#13
1,4-Dichlorobenzene
Concen: 10.006 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 177067

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.1	76.7
111	41.1	32.6	48.8

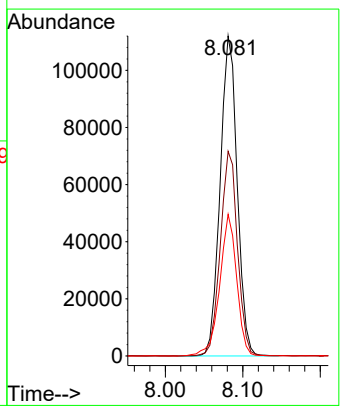


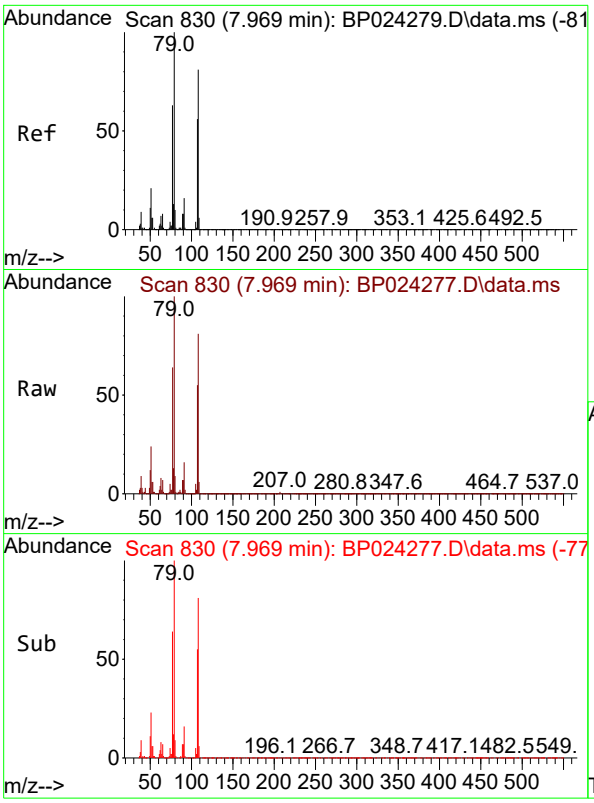


#14
1,2-Dichlorobenzene
Concen: 10.016 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 171376

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
111	44.3	33.8	50.8



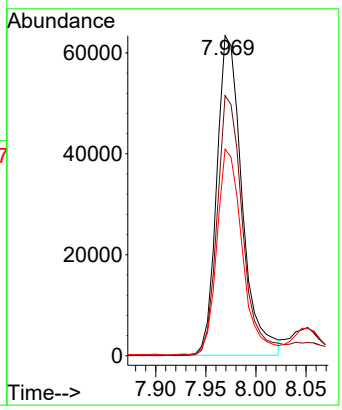


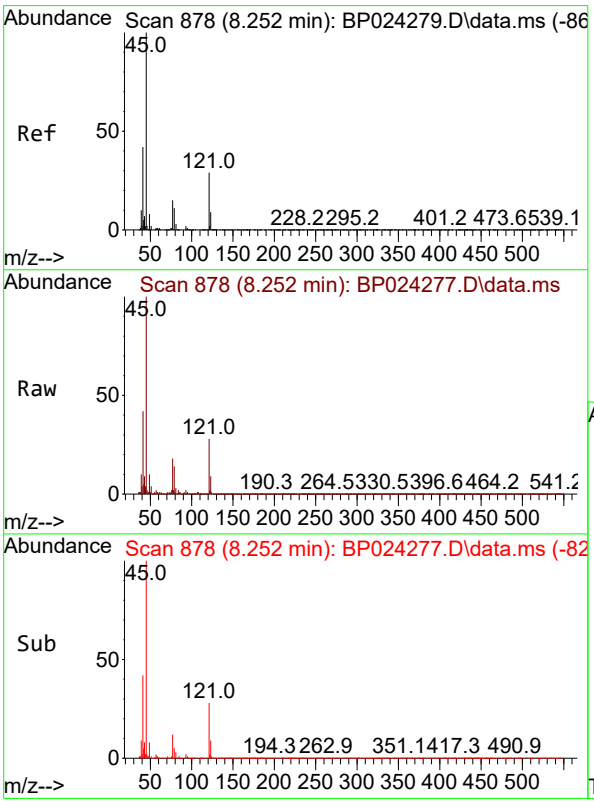
#15
Benzyl Alcohol
Concen: 8.797 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 111176

Ion	Ratio	Lower	Upper
79	100		
108	81.3	65.1	97.7
77	64.5	50.7	76.1

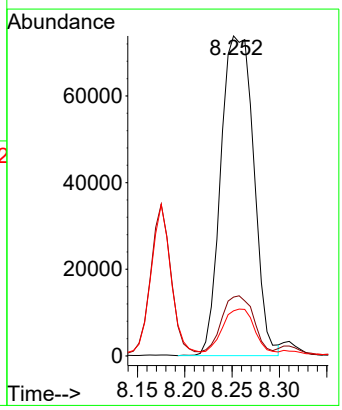


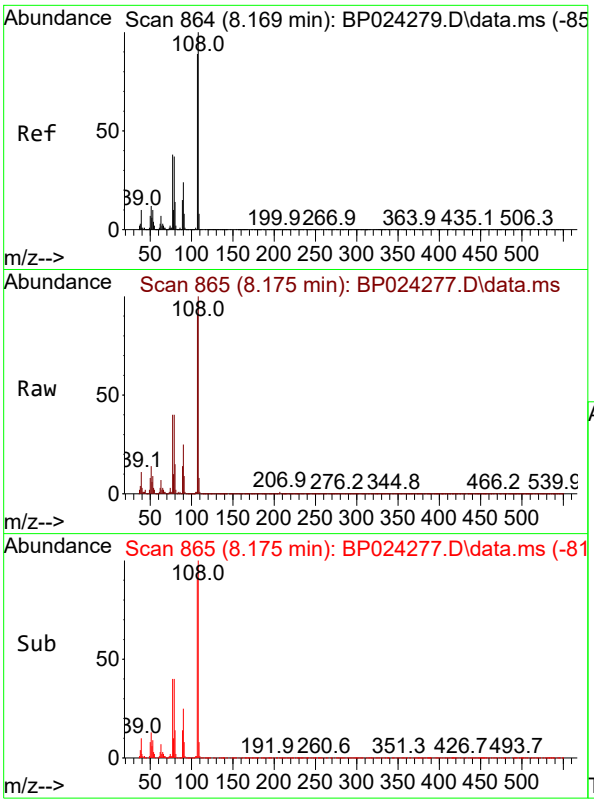


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.221 ng
RT: 8.252 min Scan# 878
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 45 Resp: 177896

Ion	Ratio	Lower	Upper
45	100		
77	18.4	0.0	37.7
79	14.1	0.0	33.5



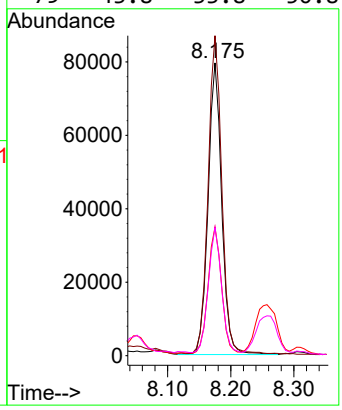


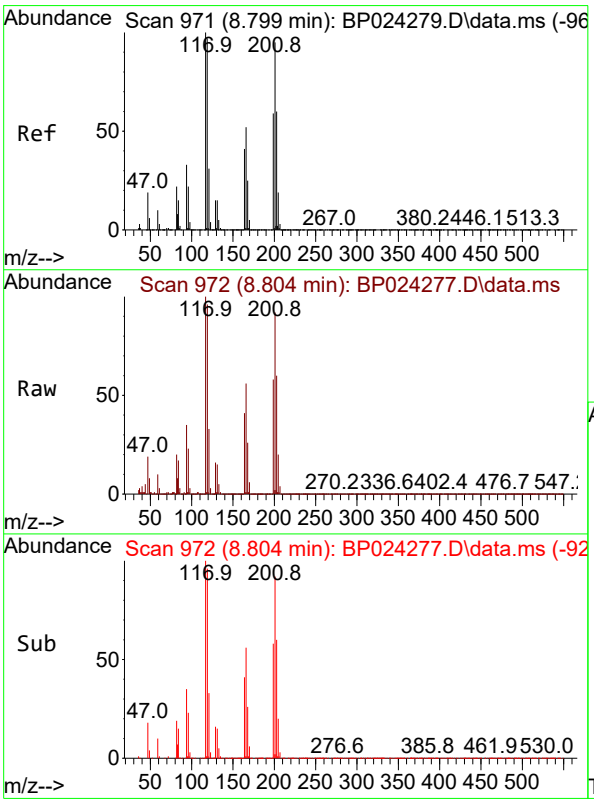
#17
2-Methylphenol
Concen: 9.340 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 119161

Ion	Ratio	Lower	Upper
107	100		
108	109.3	89.8	134.6
77	43.9	34.2	51.4
79	43.8	33.8	50.8

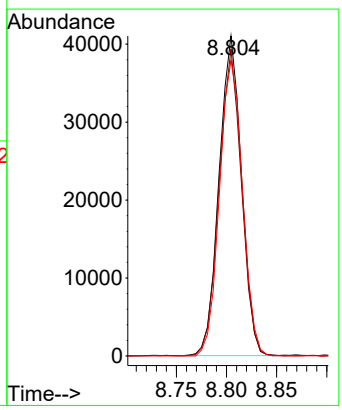


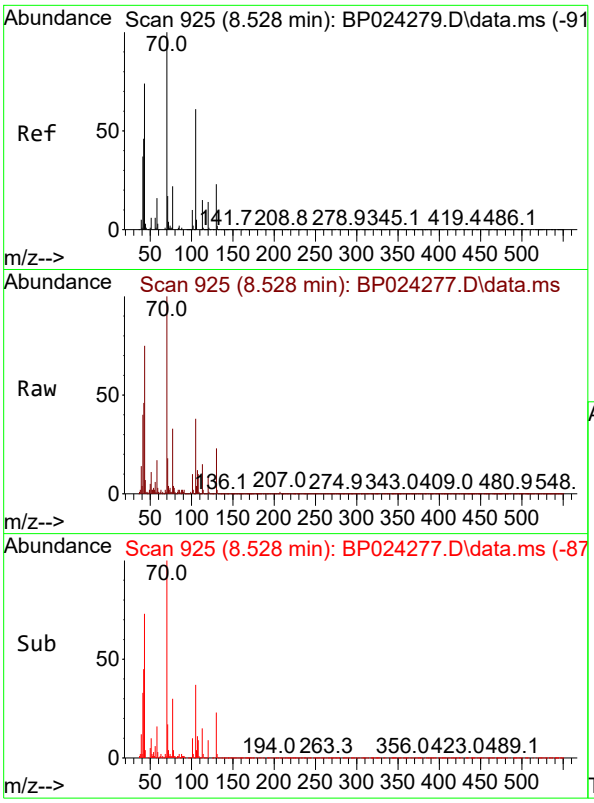


#18
Hexachloroethane
Concen: 10.007 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:117 Resp: 63912

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.6
201	92.4	75.9	113.9



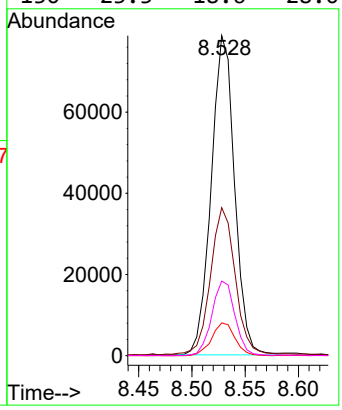


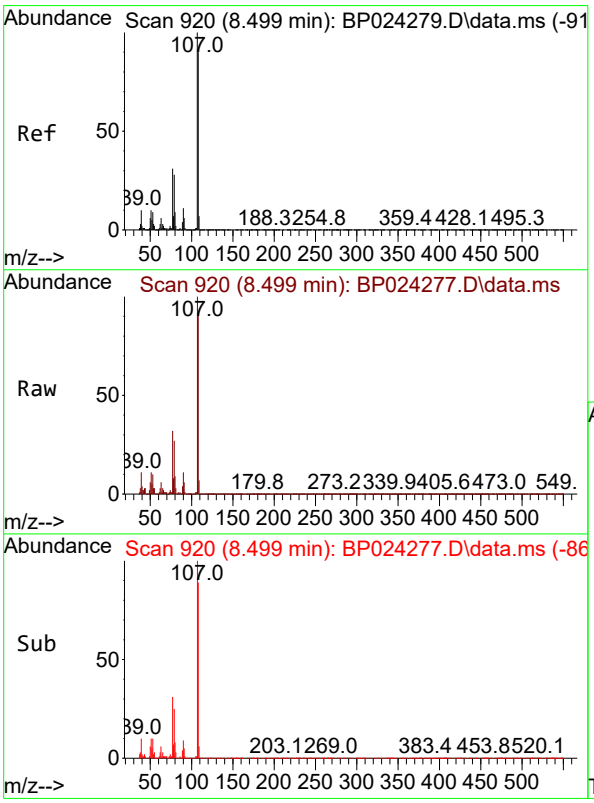
#19
n-Nitroso-di-n-propylamine
Concen: 9.787 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 119861

Ion	Ratio	Lower	Upper
70	100		
42	46.2	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

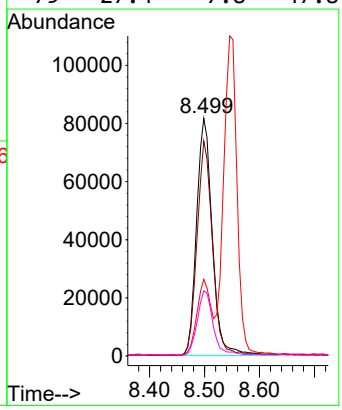


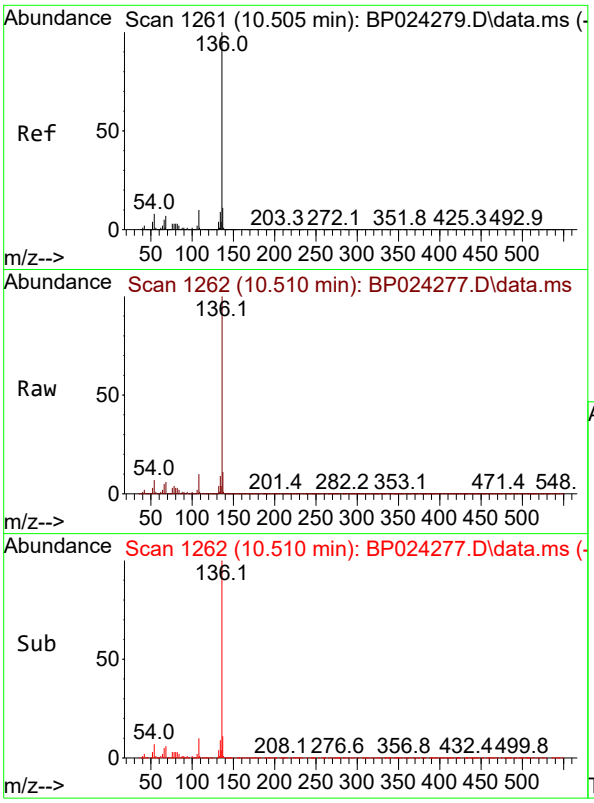


#20
3+4-Methylphenols
Concen: 9.187 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 162332

Ion	Ratio	Lower	Upper
107	100		
108	90.5	69.8	109.8
77	32.3	11.5	51.5
79	27.4	7.8	47.8



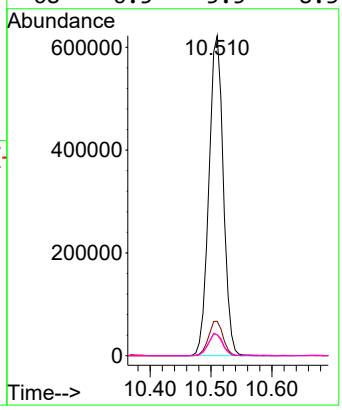


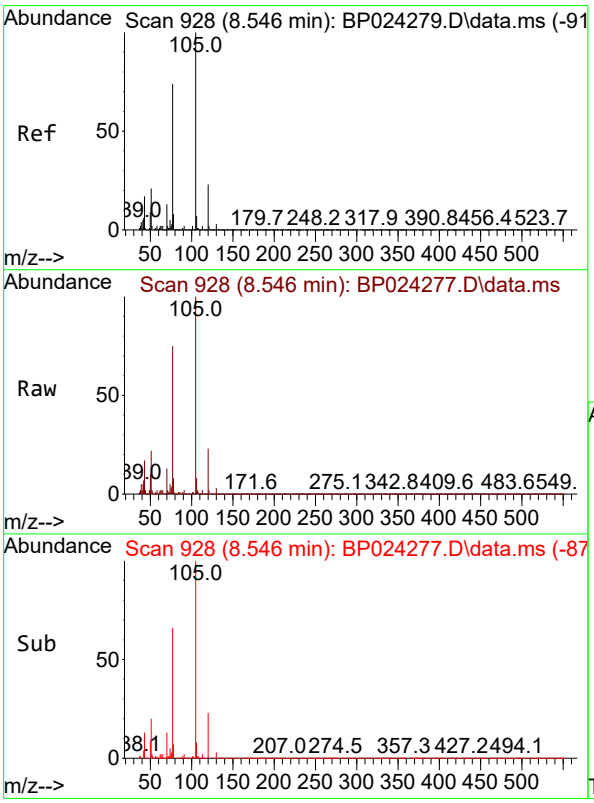
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1022895

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.6	6.0	9.0
68	6.5	5.5	8.3

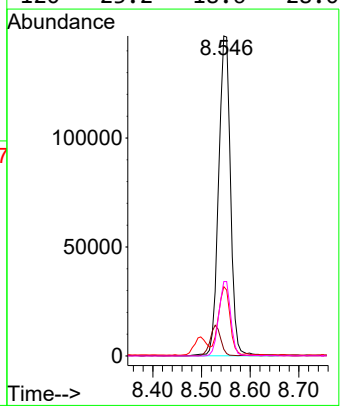


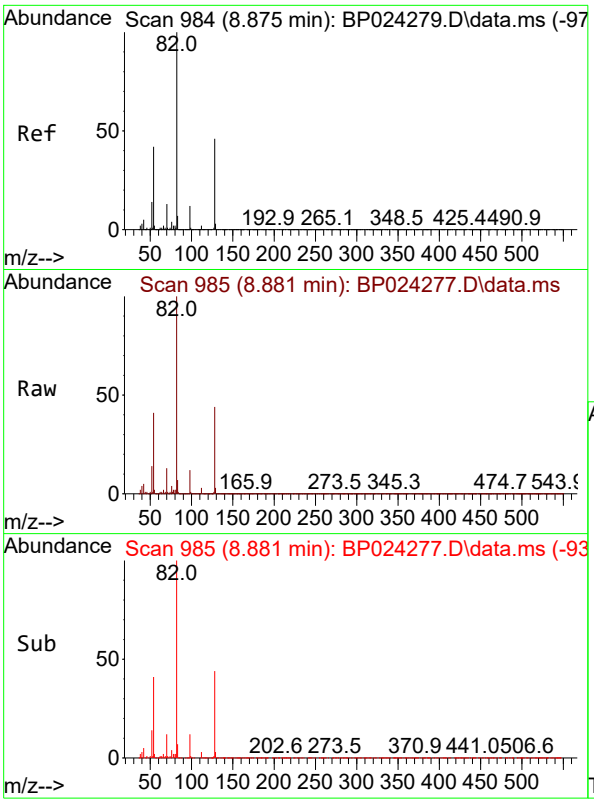


#22
Acetophenone
Concen: 9.787 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:105 Resp: 248823

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.7	16.9	25.3
120	23.2	18.6	28.0



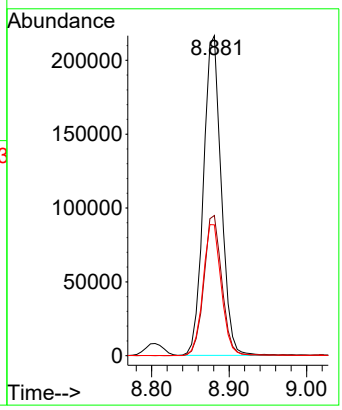


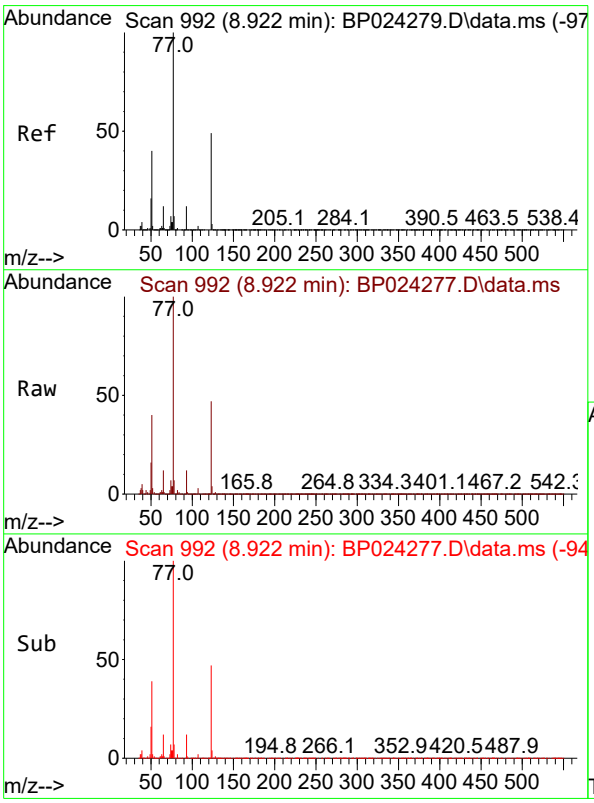
#23
Nitrobenzene-d5
Concen: 19.207 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 345094

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.5	54.7
54	40.9	33.4	50.2

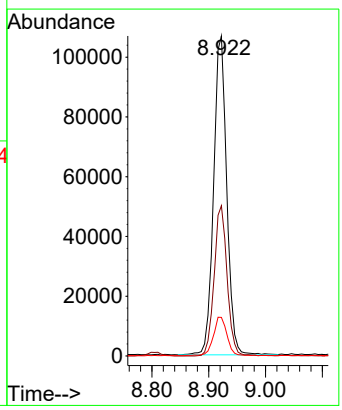


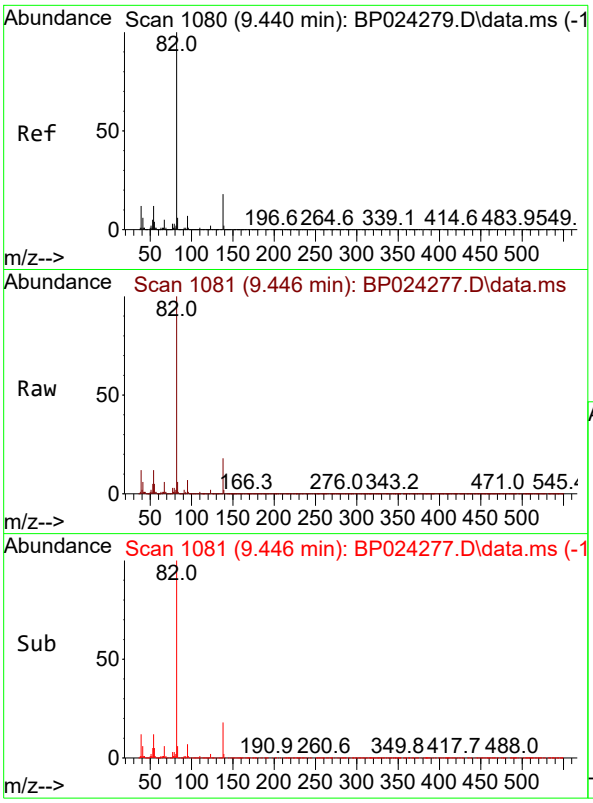


#24
Nitrobenzene
Concen: 9.590 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 77 Resp: 170770

Ion	Ratio	Lower	Upper
77	100		
123	47.0	39.2	58.8
65	12.1	9.8	14.6



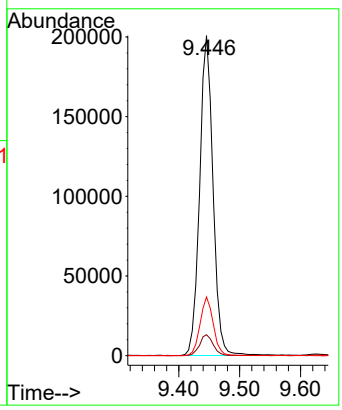


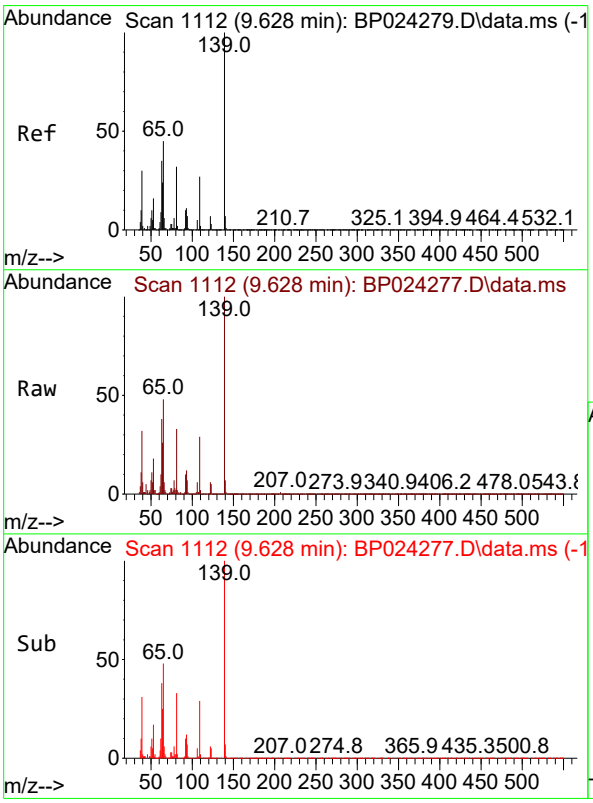
#25
Isophorone
Concen: 9.473 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 307272

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.3	14.4	21.6

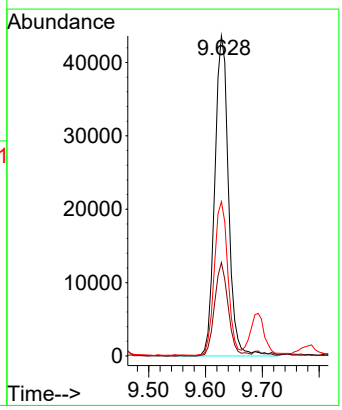


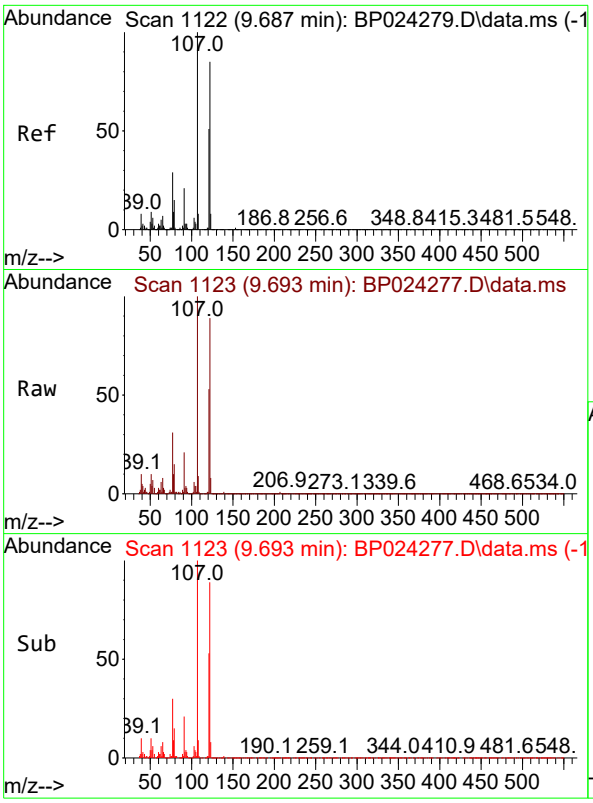


#26
2-Nitrophenol
Concen: 8.575 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 73320

Ion	Ratio	Lower	Upper
139	100		
109	29.2	21.8	32.6
65	48.2	36.2	54.2



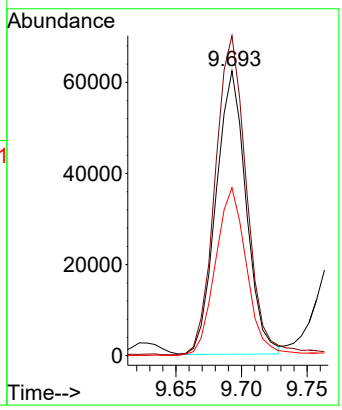


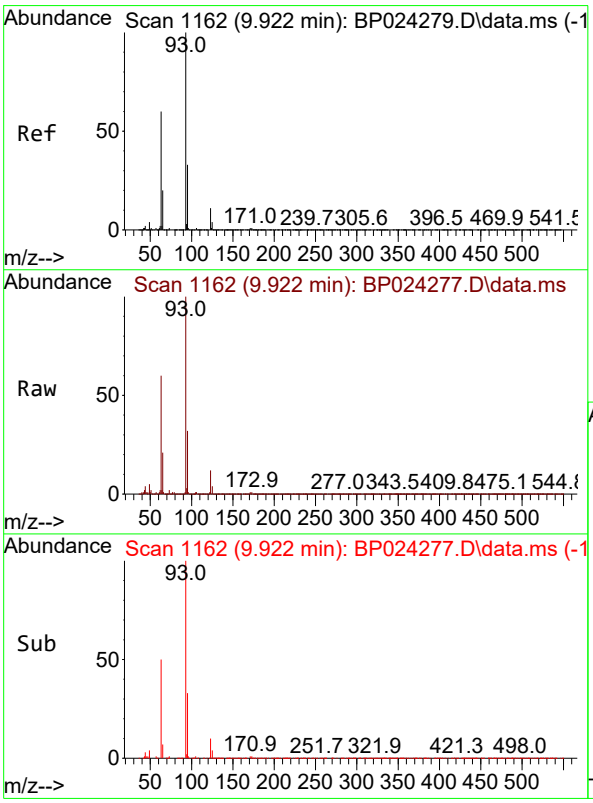
#27
2,4-Dimethylphenol
Concen: 9.152 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 99186

Ion	Ratio	Lower	Upper
122	100		
107	112.4	93.7	140.5
121	59.0	48.2	72.2

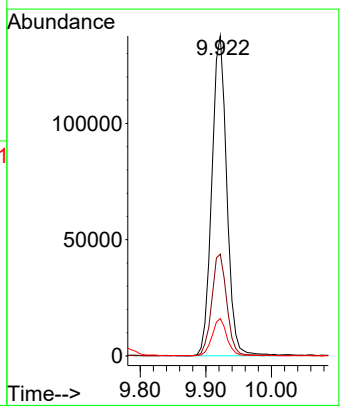


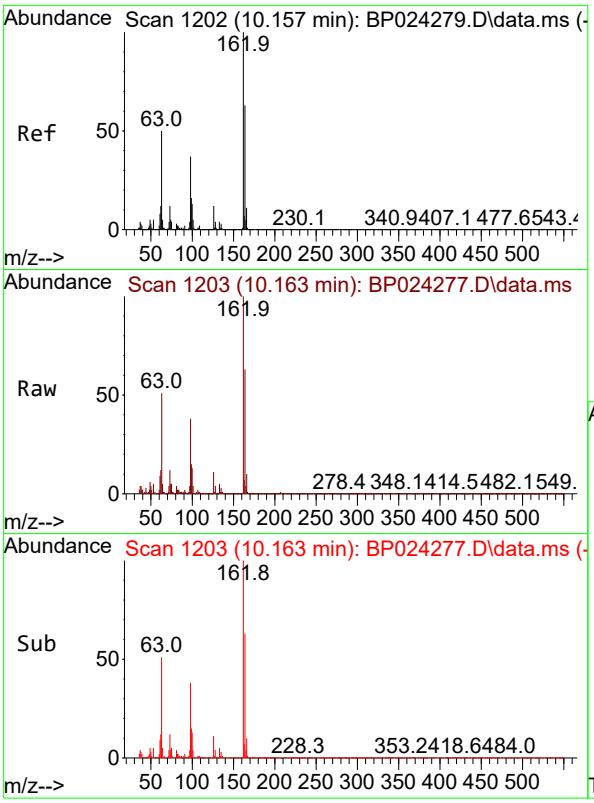


#28
bis(2-Chloroethoxy)methane
Concen: 9.869 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 217866

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.0	39.0
123	11.7	9.1	13.7



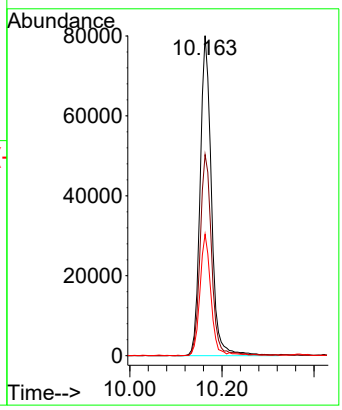


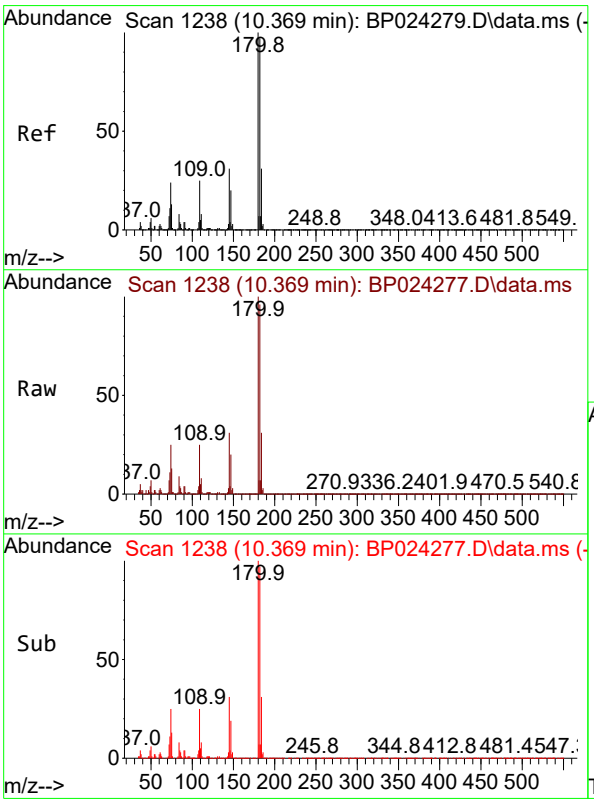
#29
2,4-Dichlorophenol
Concen: 9.263 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 136816

Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.3	83.3
98	37.9	16.6	56.6

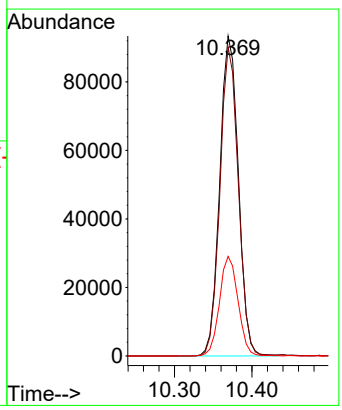


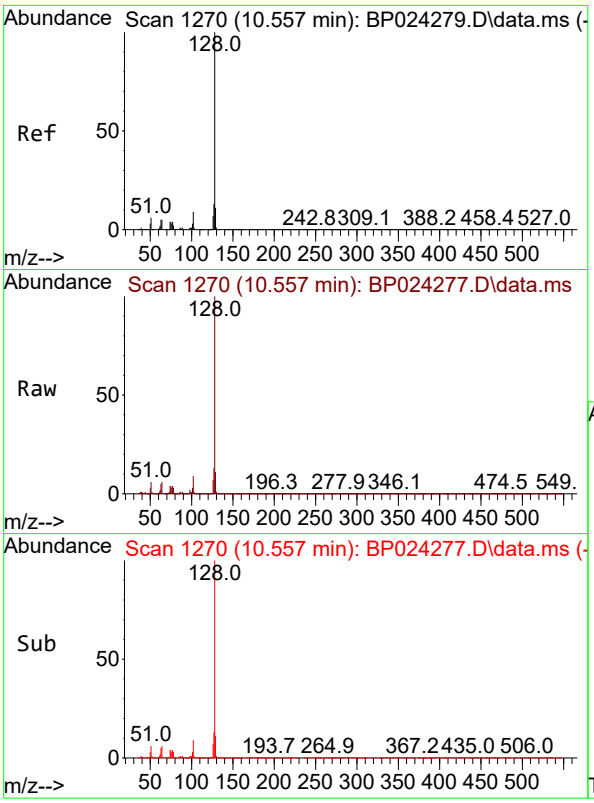


#30
1,2,4-Trichlorobenzene
Concen: 9.760 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:180 Resp: 155965

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	31.1	25.1	37.7



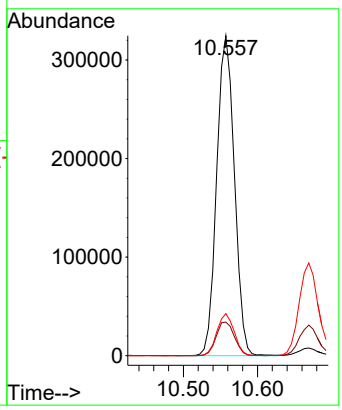


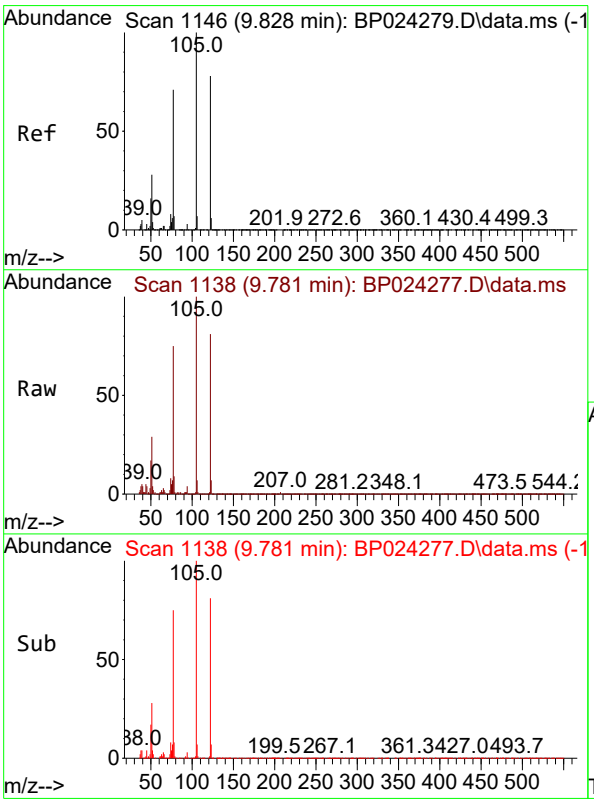
#31
Naphthalene
Concen: 9.953 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 538892

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	13.1	10.3	15.5

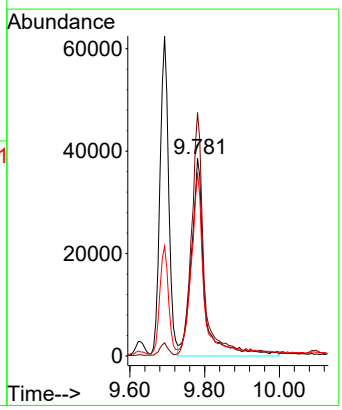


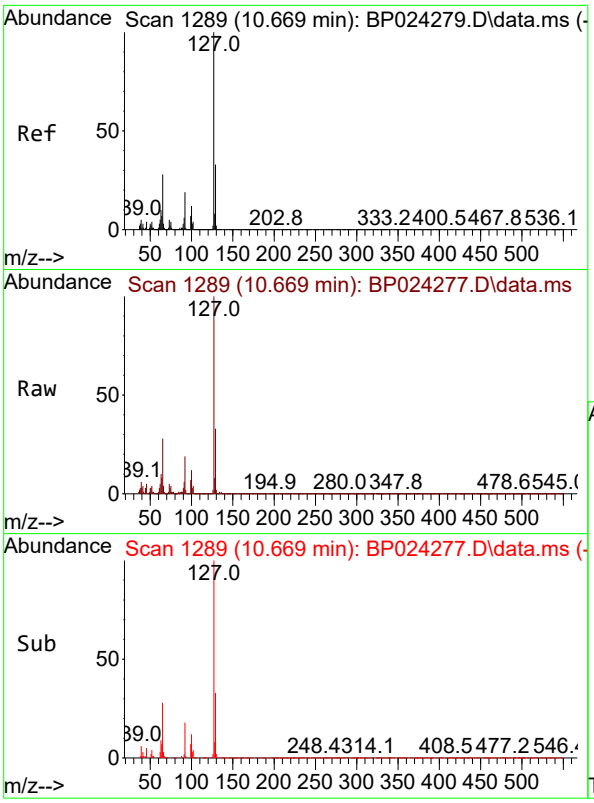


#32
Benzoic acid
Concen: 8.095 ng m
RT: 9.781 min Scan# 1138
Delta R.T. -0.047 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:122 Resp: 94803

Ion	Ratio	Lower	Upper
122	100		
105	123.3	104.8	144.8
77	92.9	69.2	109.2



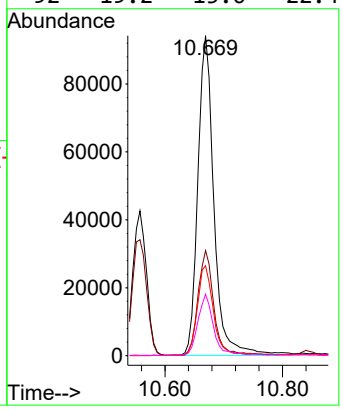


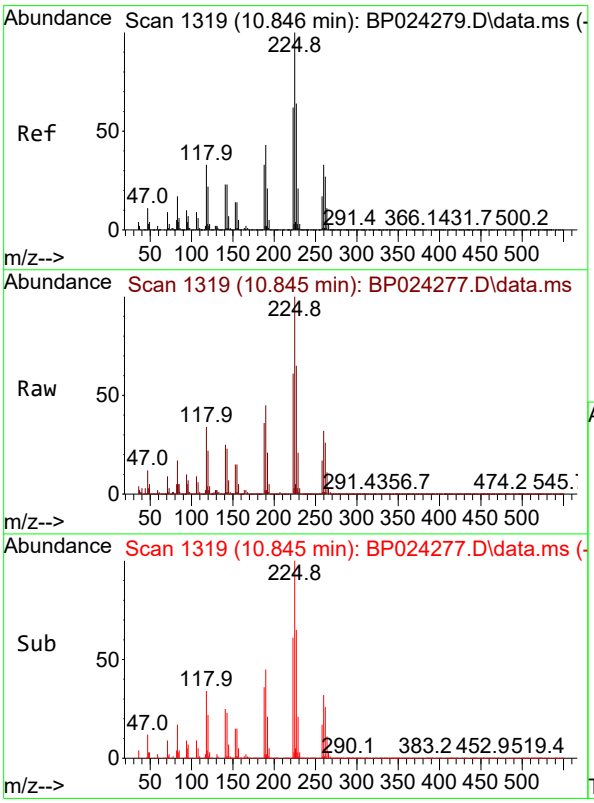
#33
4-Chloroaniline
Concen: 9.433 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 178451

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.1	22.1	33.1
92	19.2	15.0	22.4

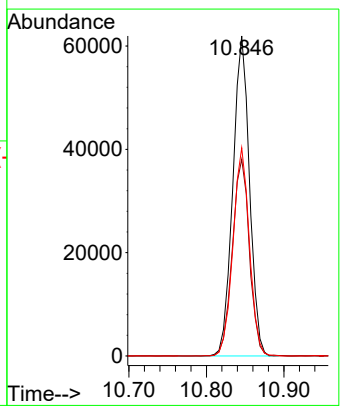


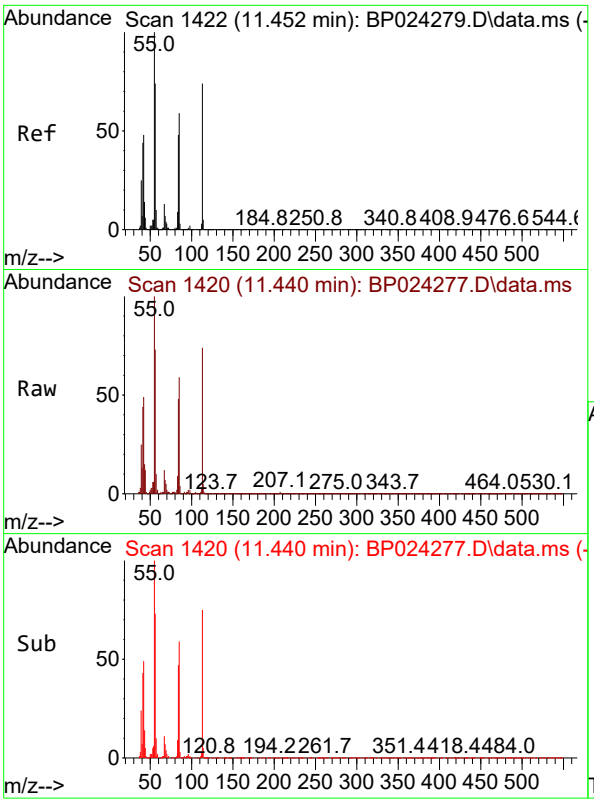


#34
Hexachlorobutadiene
Concen: 9.885 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:225 Resp: 92662

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.5	74.3
227	65.0	50.9	76.3



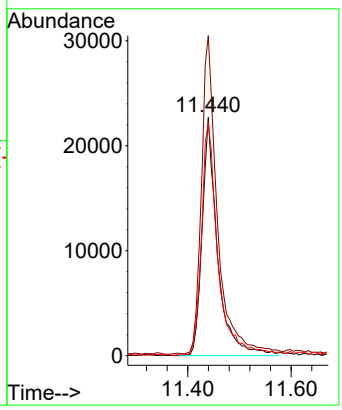


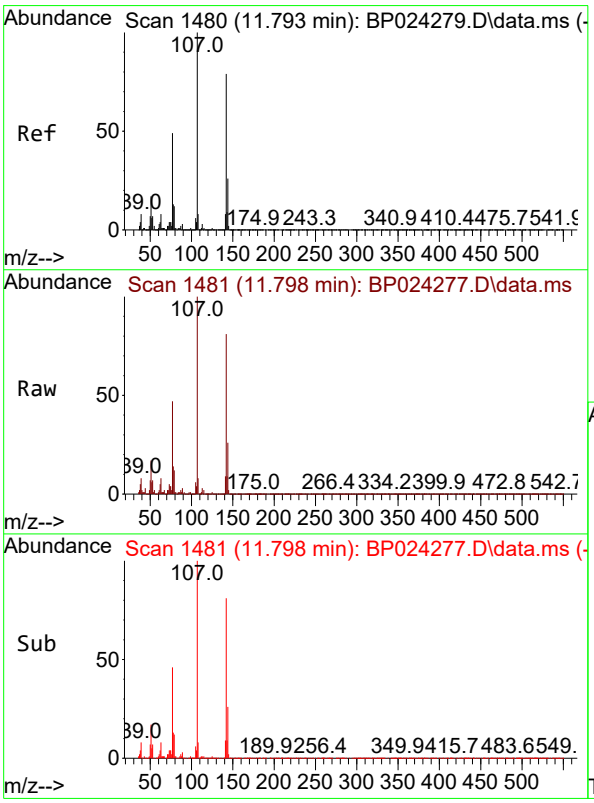
#35
Caprolactam
Concen: 8.670 ng
RT: 11.440 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 47014

Ion	Ratio	Lower	Upper
113	100		
55	134.3	115.9	155.9
56	97.4	81.1	121.1

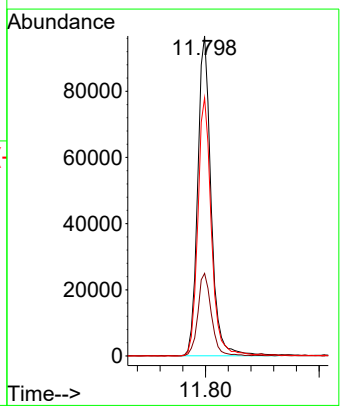


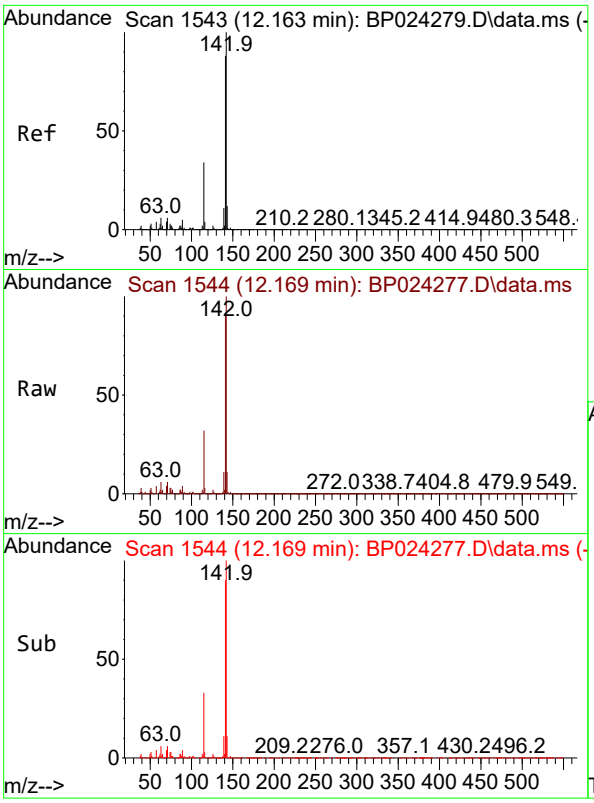


#36
4-Chloro-3-methylphenol
Concen: 9.213 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 158563

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	80.6	63.4	95.2



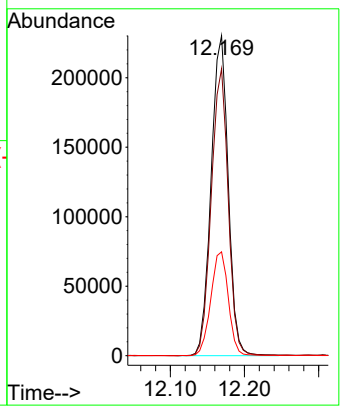


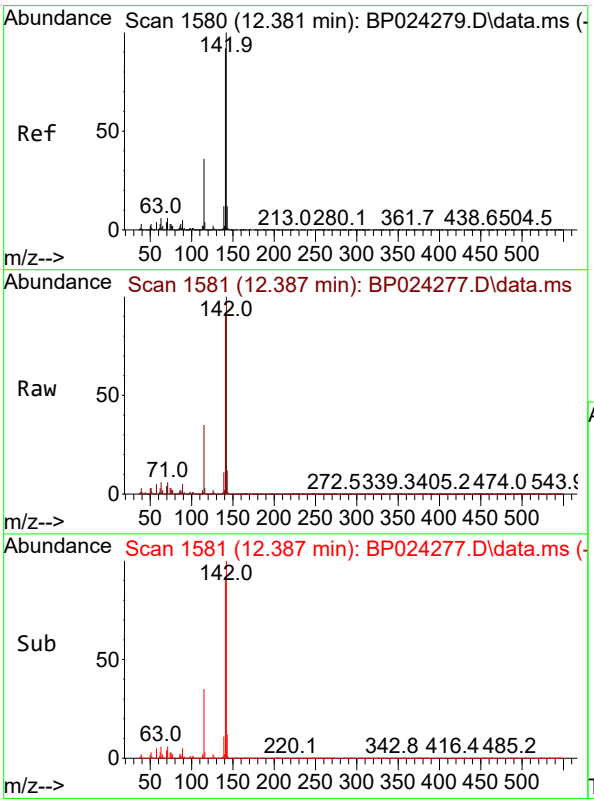
#37
2-Methylnaphthalene
Concen: 9.810 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 368122

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	32.5	26.9	40.3

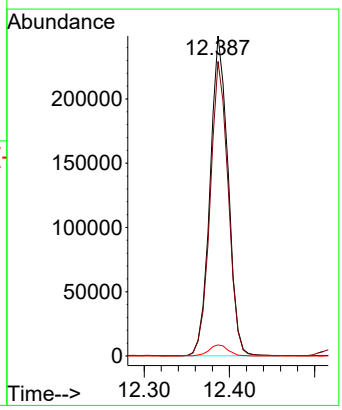


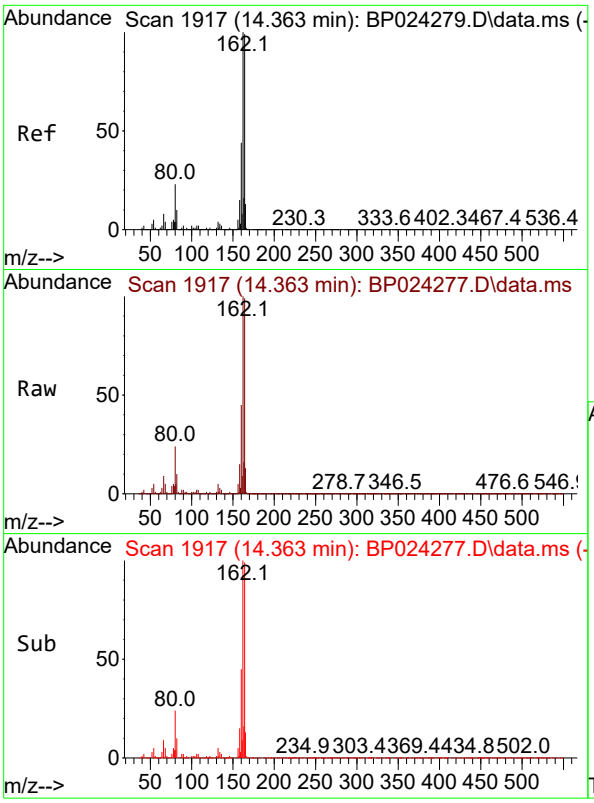


#38
1-Methylnaphthalene
Concen: 9.933 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:142 Resp: 365139

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4
116	3.5	3.0	4.6



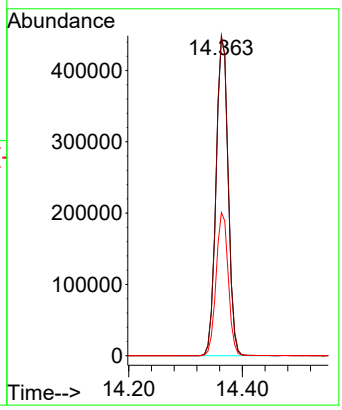


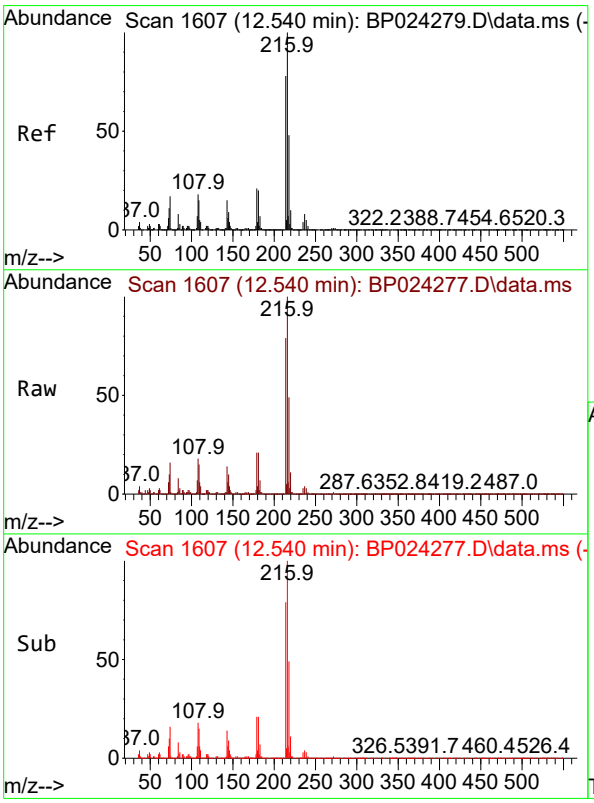
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 658652

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.0	35.3	52.9

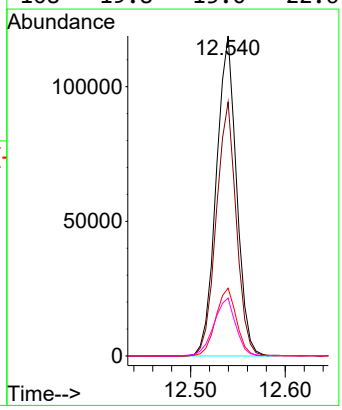


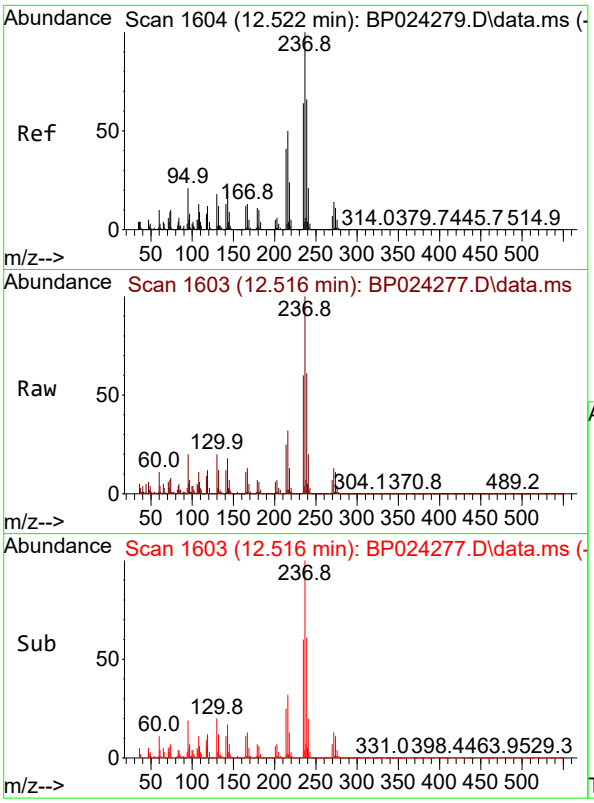


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.789 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:216 Resp: 177188

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	93.8
179	21.5	17.2	25.8
108	19.8	15.0	22.6



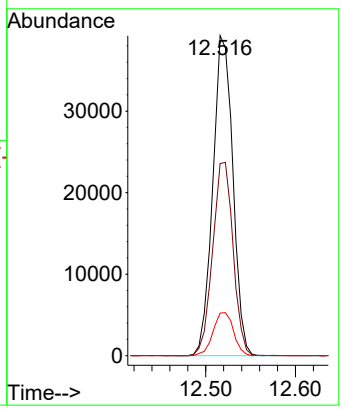


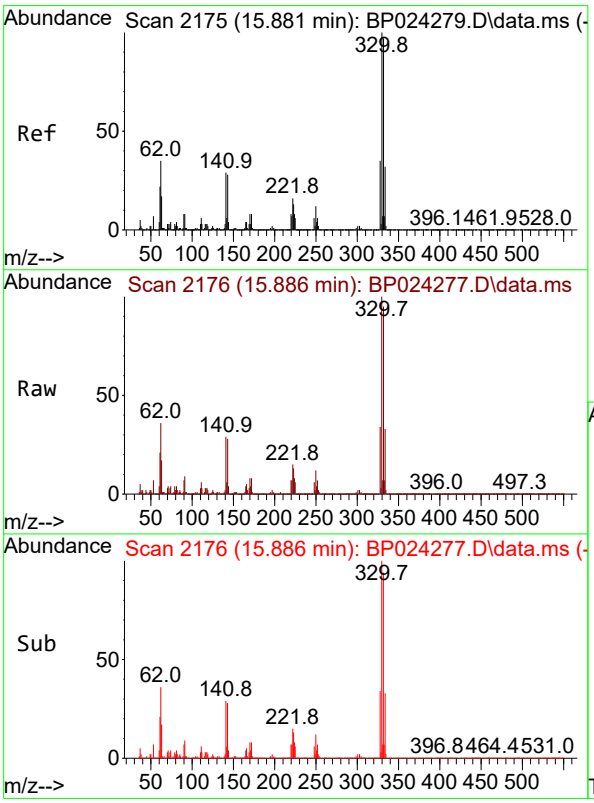
#41
Hexachlorocyclopentadiene
Concen: 9.586 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 60914

Ion	Ratio	Lower	Upper
237	100		
235	60.0	43.9	83.9
272	13.3	0.0	33.6

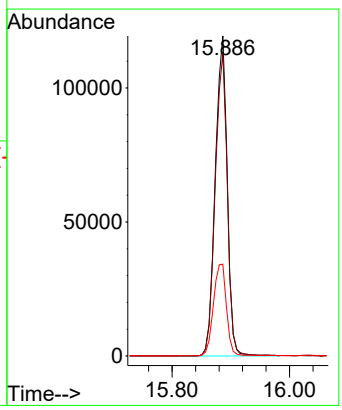


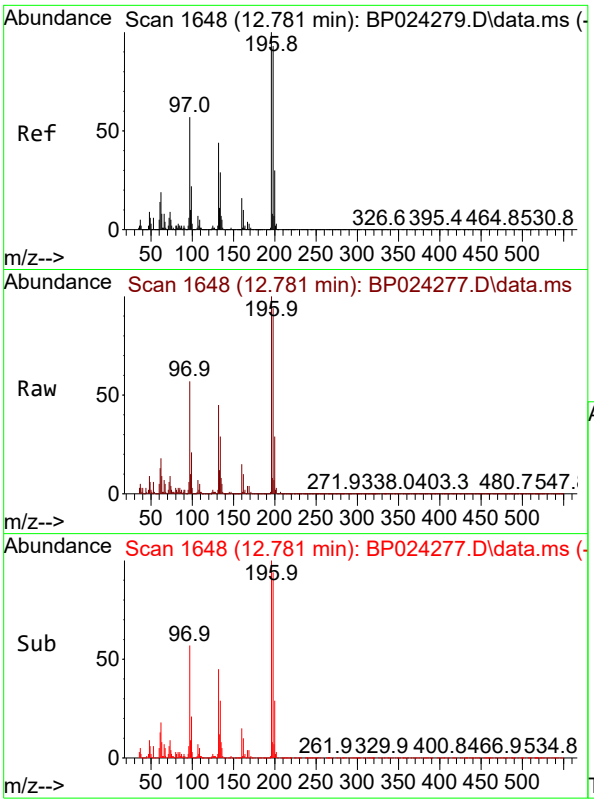


#42
2,4,6-Tribromophenol
Concen: 18.715 ng
RT: 15.886 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:330 Resp: 168790

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	31.2	24.7	37.1



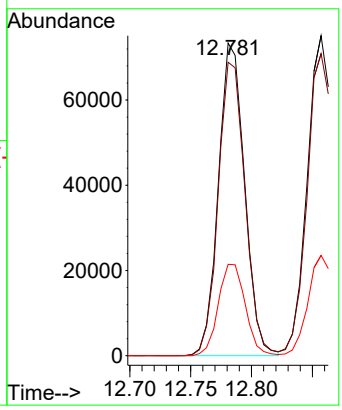


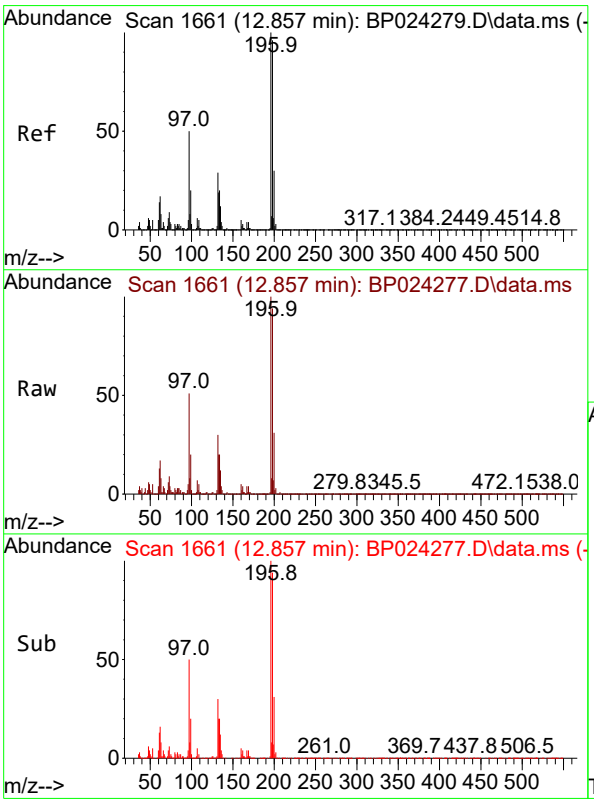
#43
2,4,6-Trichlorophenol
Concen: 9.253 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 110203

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.3	111.5
200	29.3	24.0	36.0

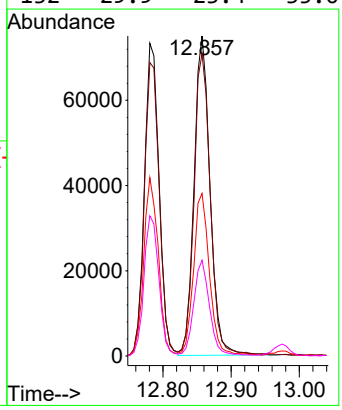


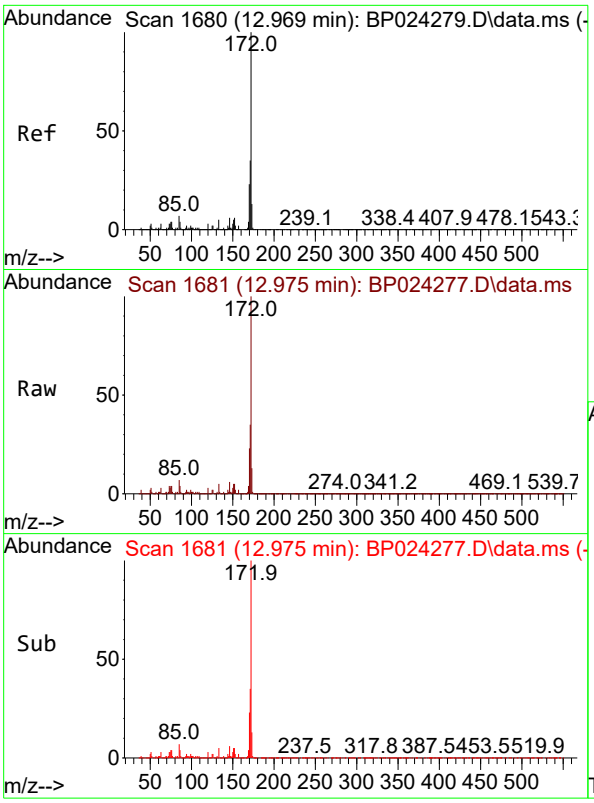


#44
2,4,5-Trichlorophenol
Concen: 9.251 ng
RT: 12.857 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:196 Resp: 122104

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.3	115.9
97	50.8	40.4	60.6
132	29.9	23.4	35.0



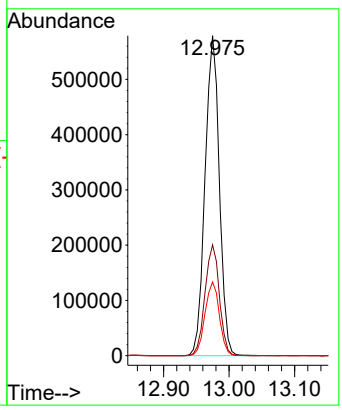


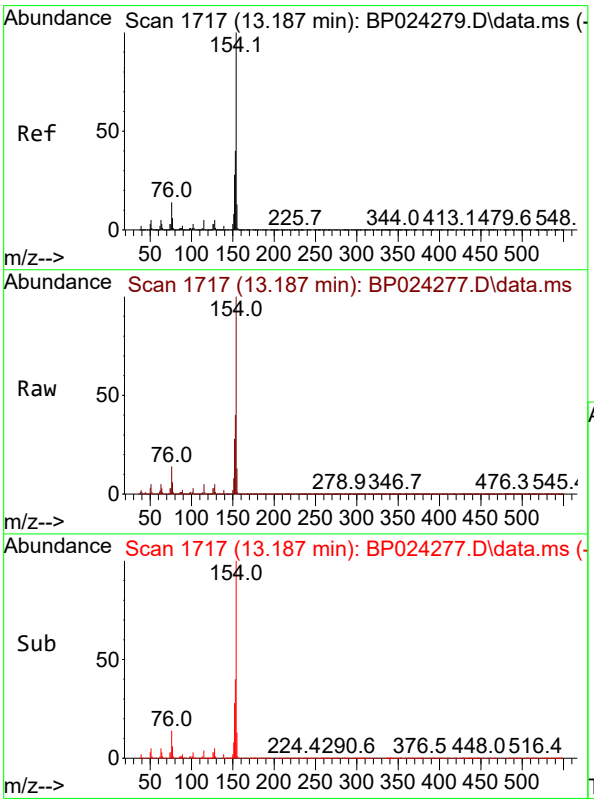
#45
2-Fluorobiphenyl
Concen: 20.247 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 878366

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	23.0	18.6	27.8

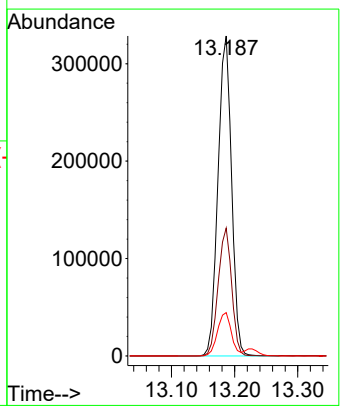


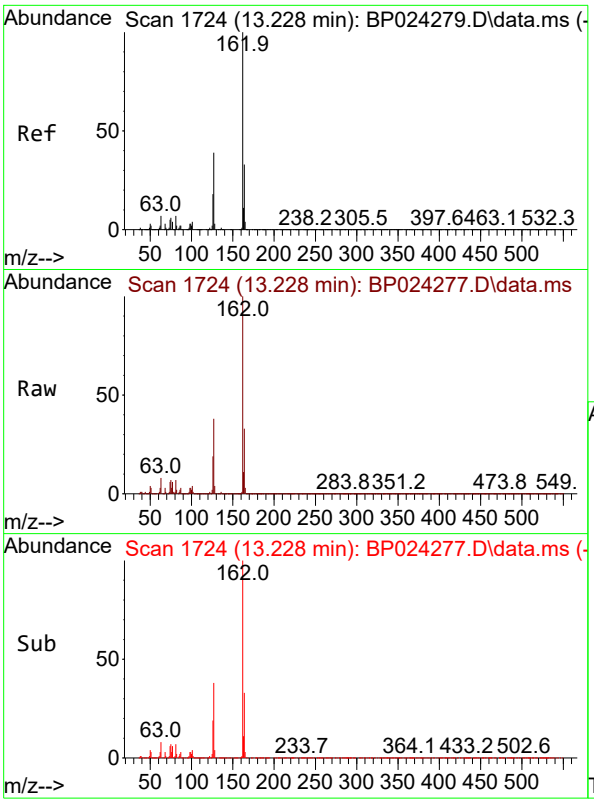


#46
1,1'-Biphenyl
Concen: 10.080 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 490325

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.6	0.0	33.5



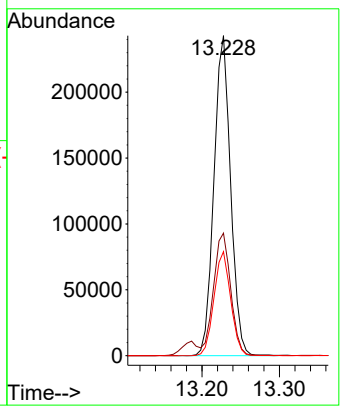


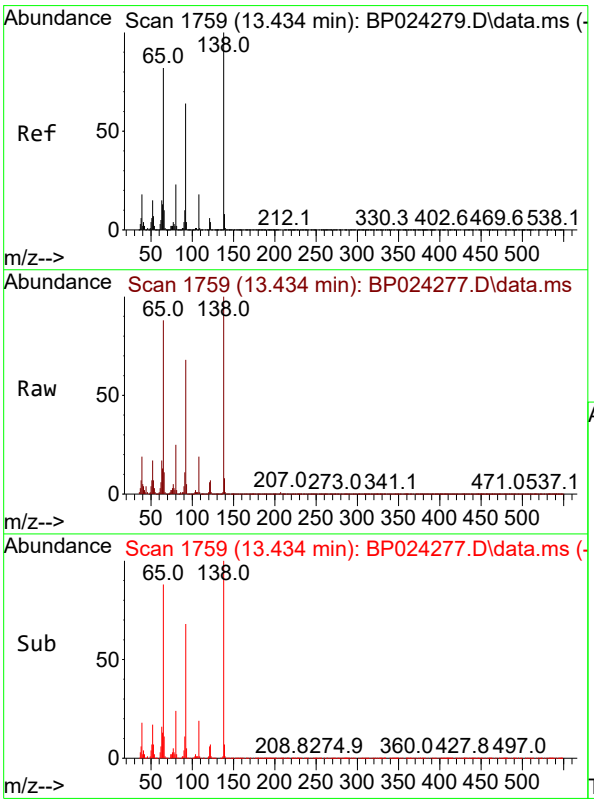
#47
2-Chloronaphthalene
Concen: 9.985 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 362419

Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.9	47.9
164	32.5	26.2	39.4

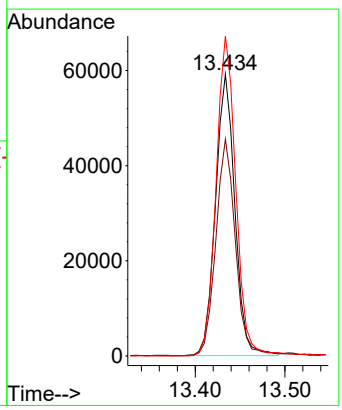


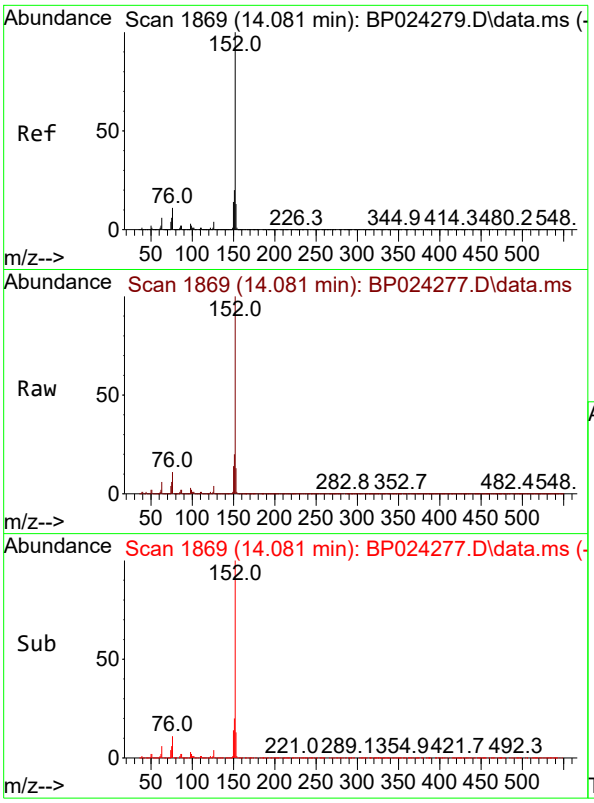


#48
2-Nitroaniline
Concen: 8.866 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 65 Resp: 88889

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	113.7	97.2	145.8



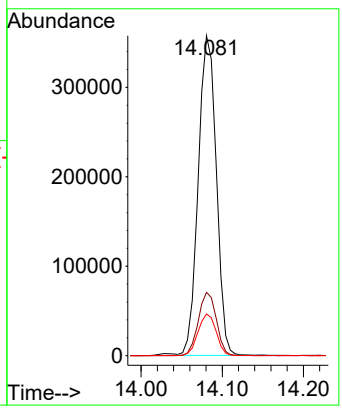


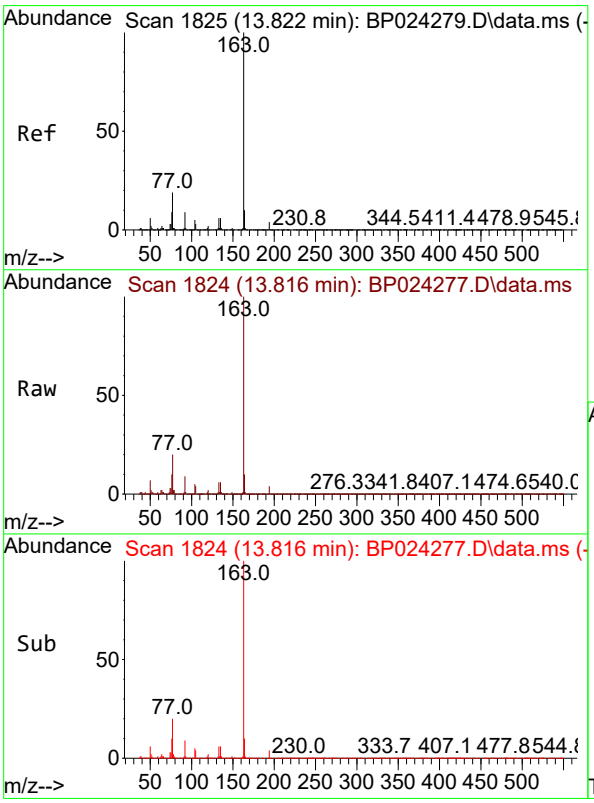
#49
Acenaphthylene
Concen: 9.711 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 553215

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	15.8

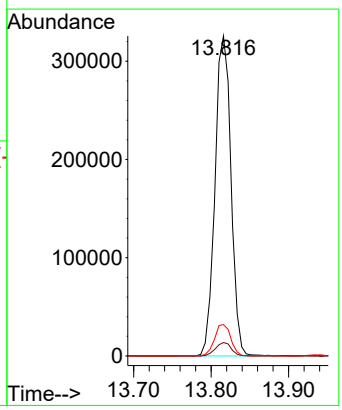


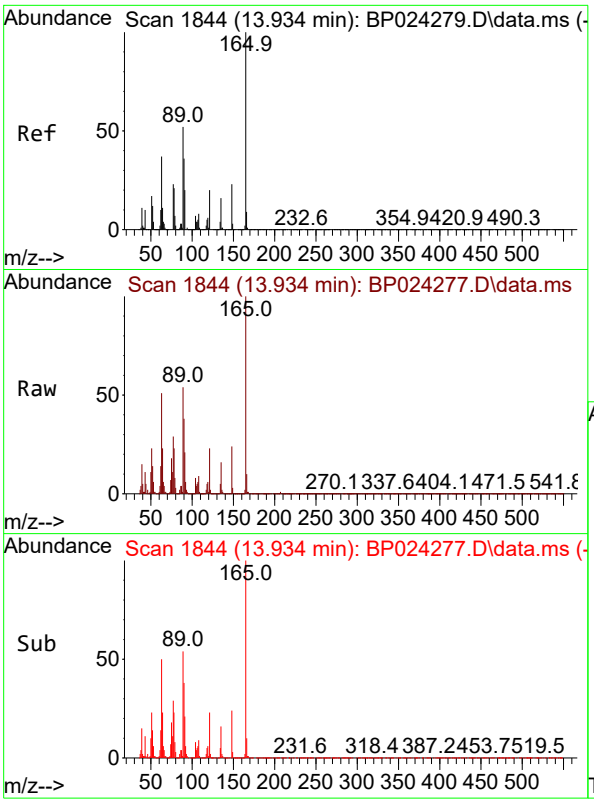


#50
Dimethylphthalate
Concen: 9.704 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:163 Resp: 466314

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.8	8.0	12.0



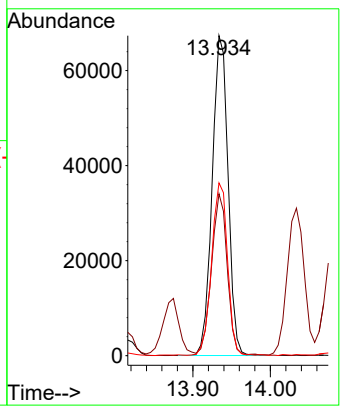


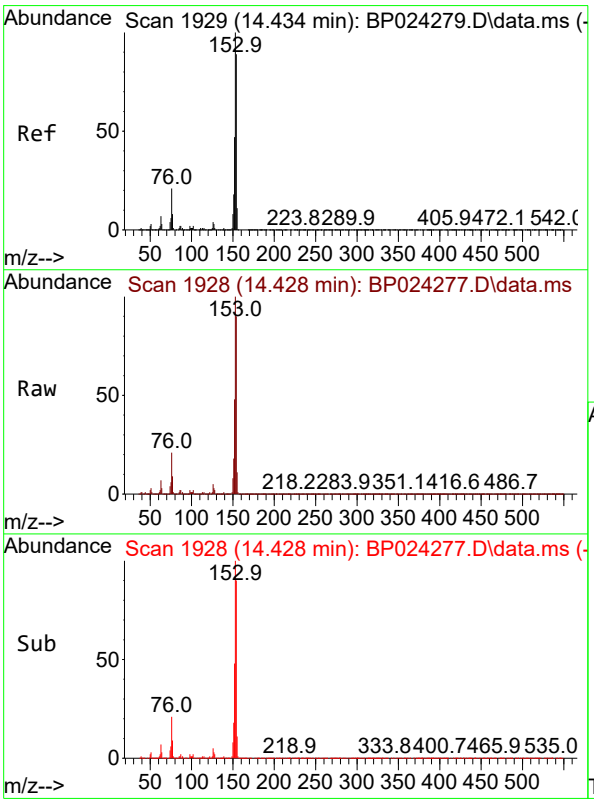
#51
2,6-Dinitrotoluene
Concen: 9.442 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 95596

Ion	Ratio	Lower	Upper
165	100		
63	50.6	38.0	57.0
89	54.0	41.7	62.5

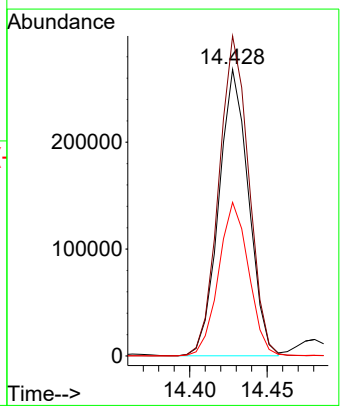


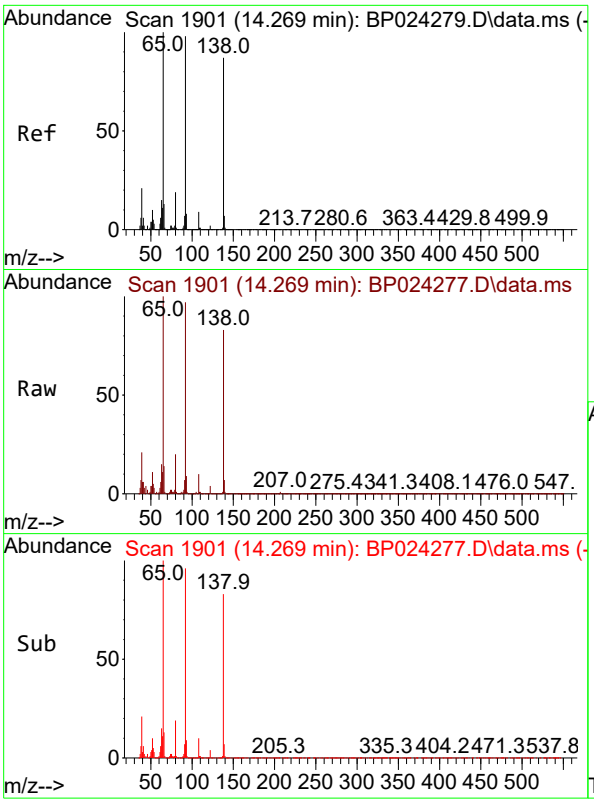


#52
Acenaphthene
Concen: 9.877 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 357828

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.8	134.6
152	53.6	42.6	63.8



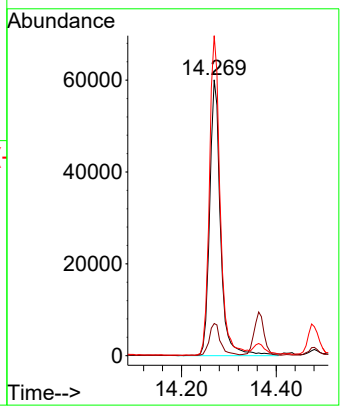


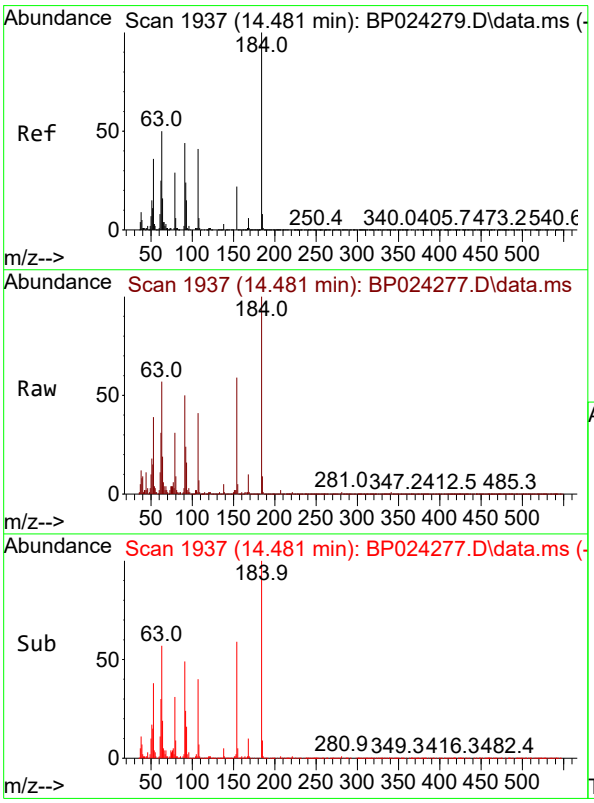
#53
3-Nitroaniline
Concen: 9.067 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 95237

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.3	12.5
92	116.0	89.8	134.8

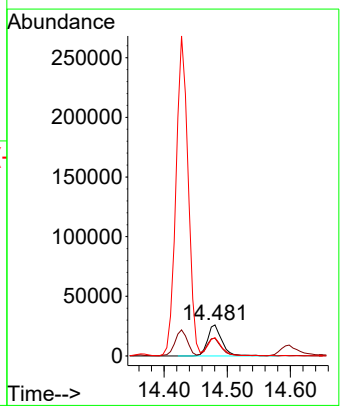


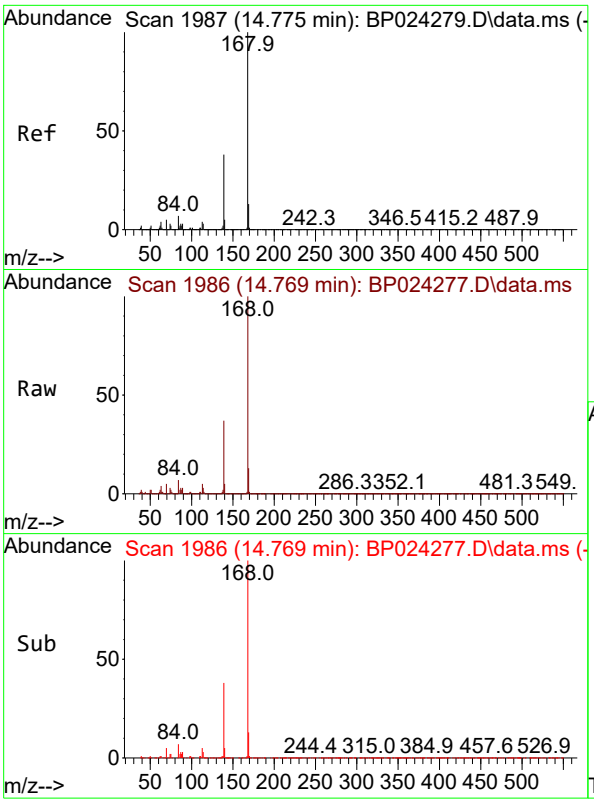


#54
2,4-Dinitrophenol
Concen: 7.588 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:184 Resp: 41132

Ion	Ratio	Lower	Upper
184	100		
63	57.2	42.6	64.0
154	58.9	47.2	70.8



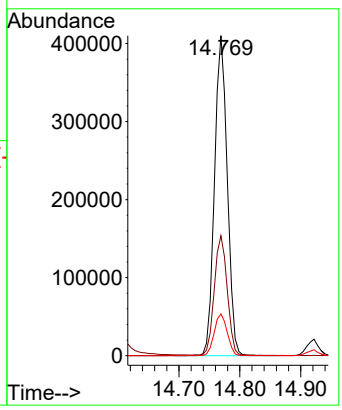


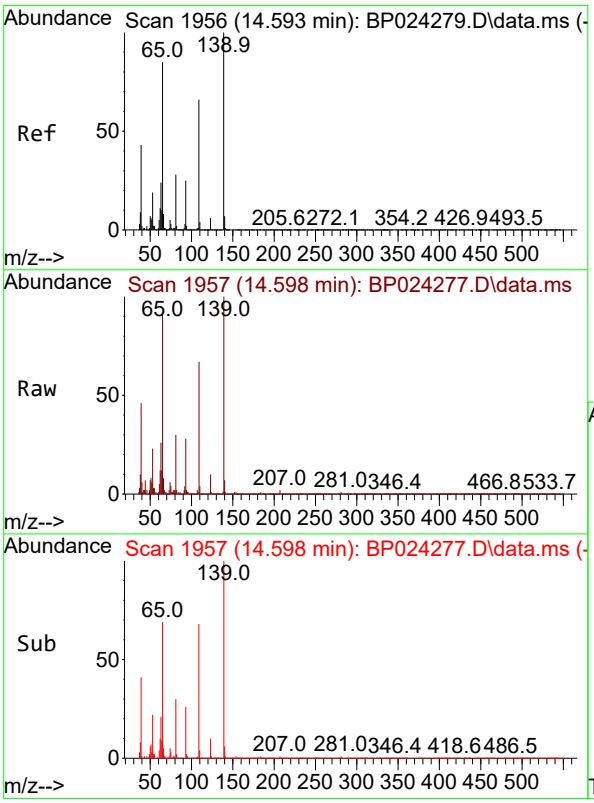
#55
Dibenzofuran
Concen: 10.013 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 594953

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.3	45.5
169	13.1	10.6	16.0

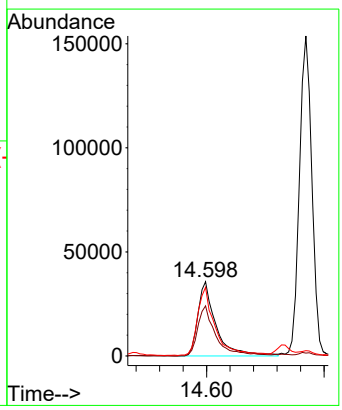


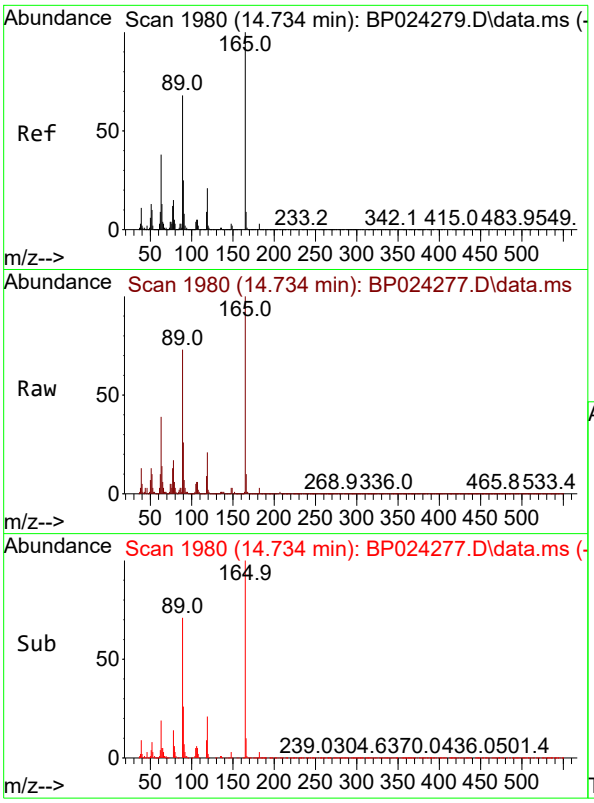


#56
4-Nitrophenol
Concen: 8.416 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 75995

Ion	Ratio	Lower	Upper
139	100		
109	67.3	46.1	86.1
65	92.4	65.0	105.0



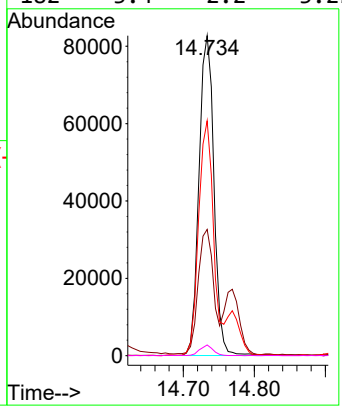


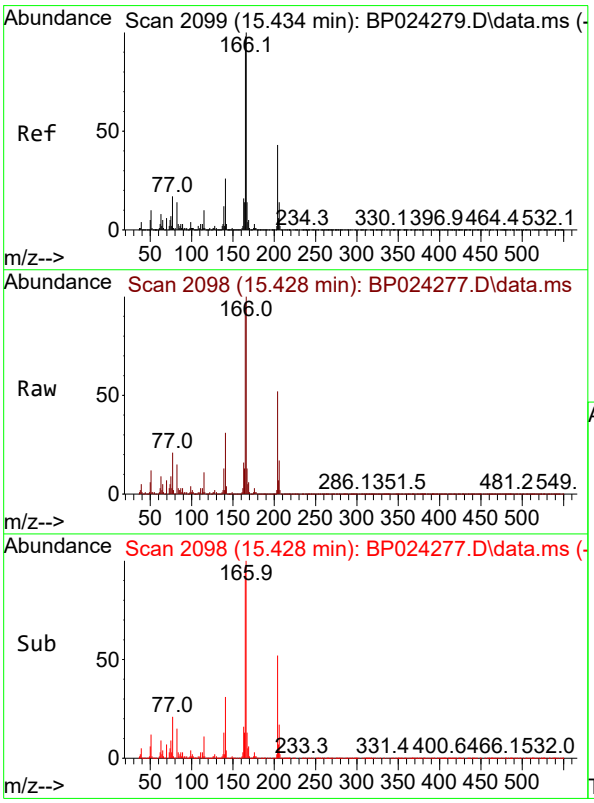
#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 121276

Ion	Ratio	Lower	Upper
165	100		
63	39.5	30.4	45.6
89	73.4	54.6	82.0
182	3.4	2.2	3.2#

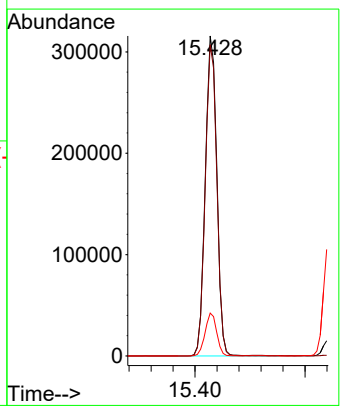


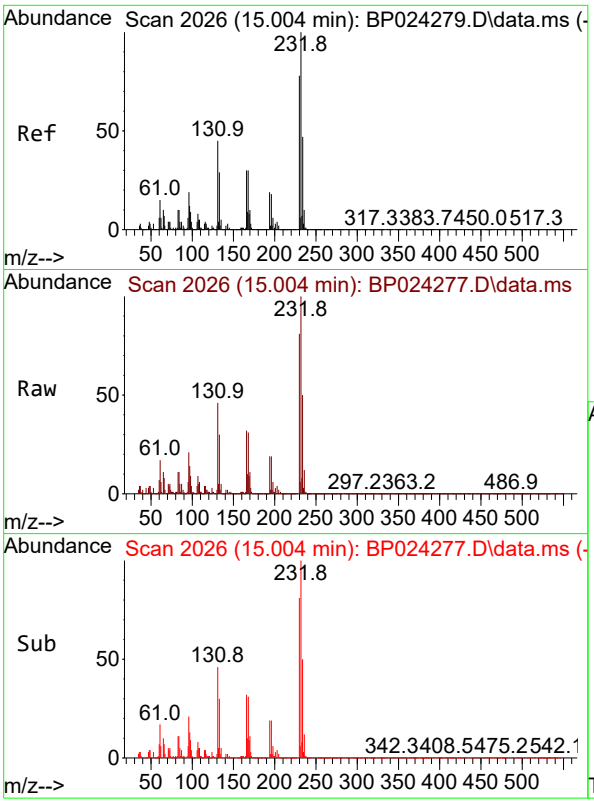


#58
Fluorene
Concen: 10.026 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:166 Resp: 459952

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



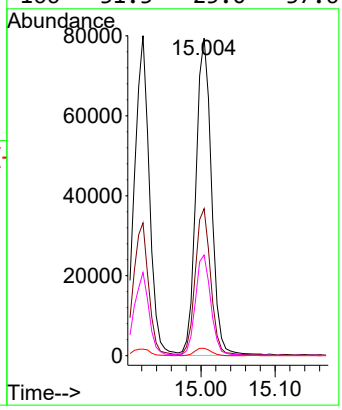


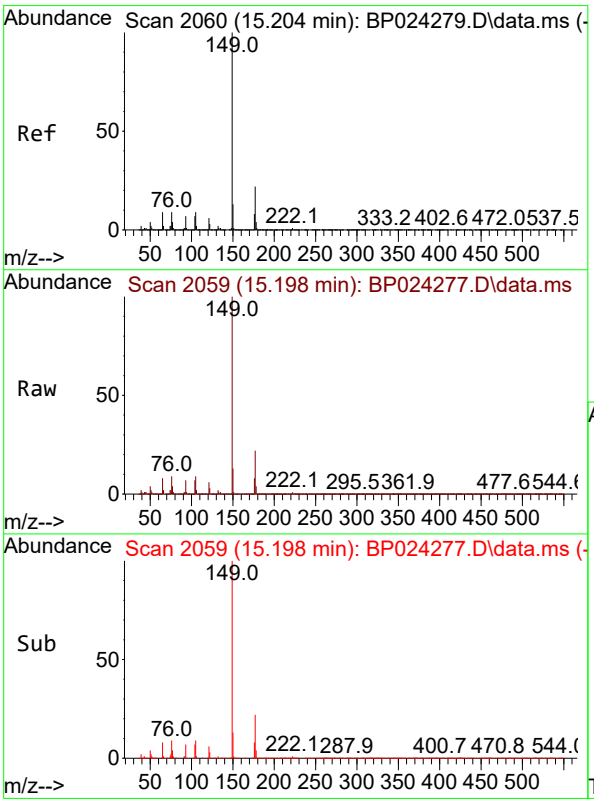
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.470 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 115645

Ion	Ratio	Lower	Upper
232	100		
131	45.6	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

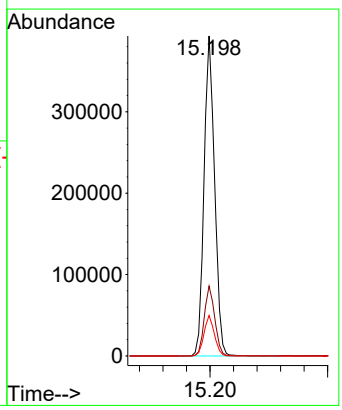


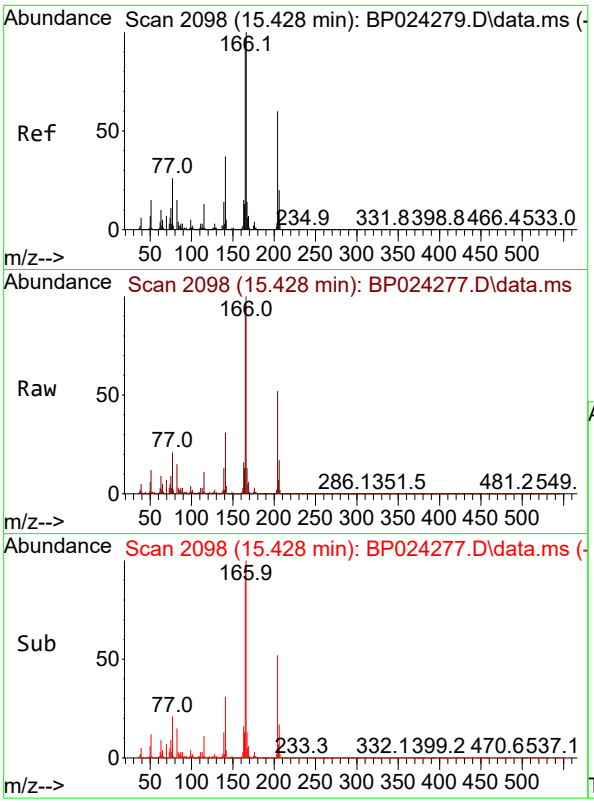


#60
Diethylphthalate
Concen: 9.884 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 488847

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.6	10.1	15.1



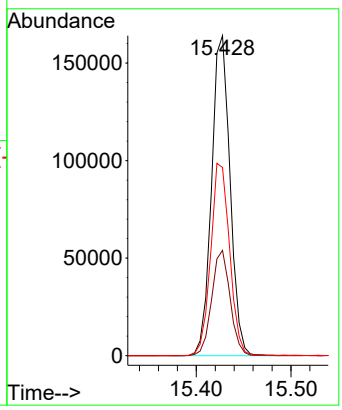


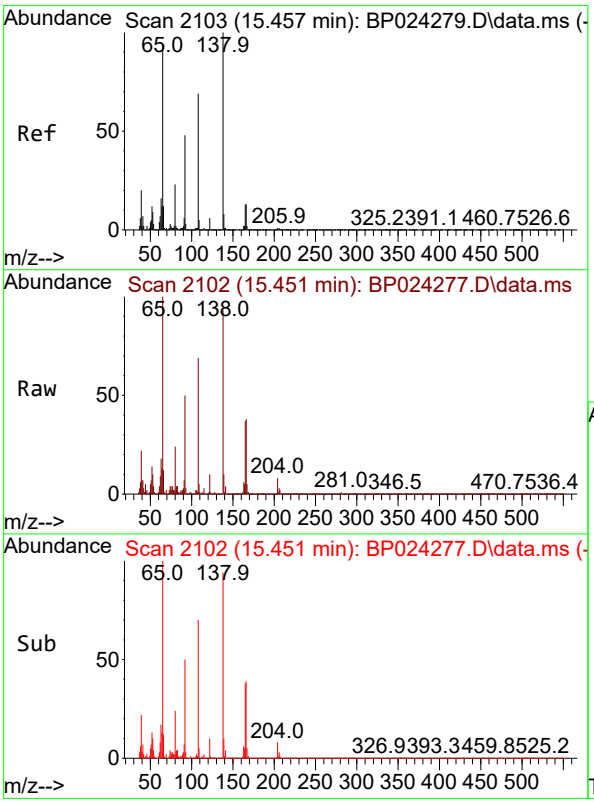
#61
4-Chlorophenyl-phenylether
Concen: 9.985 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 222437

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	58.8	49.4	74.0

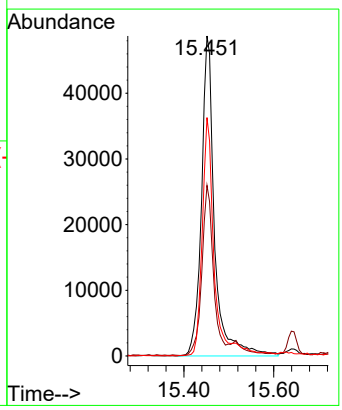


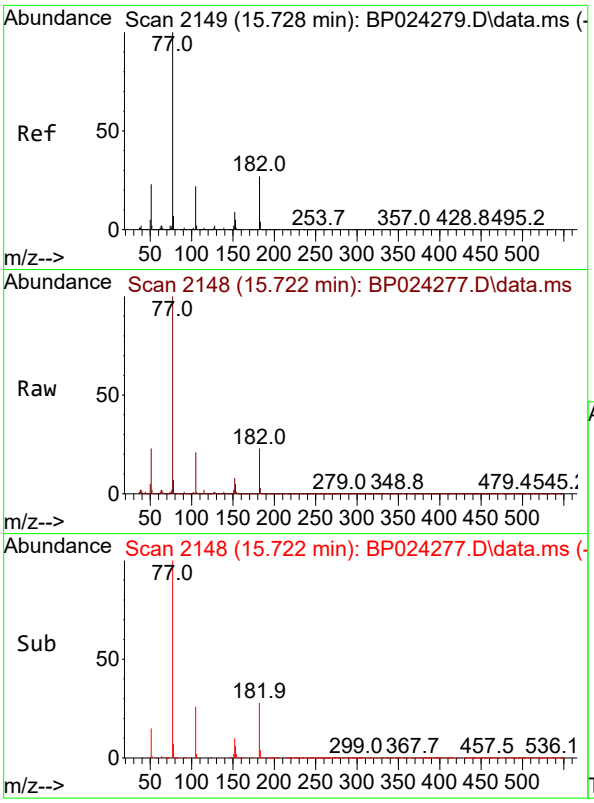


#62
4-Nitroaniline
Concen: 8.857 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:138 Resp: 98638

Ion	Ratio	Lower	Upper
138	100		
92	53.3	27.8	67.8
108	74.5	48.9	88.9



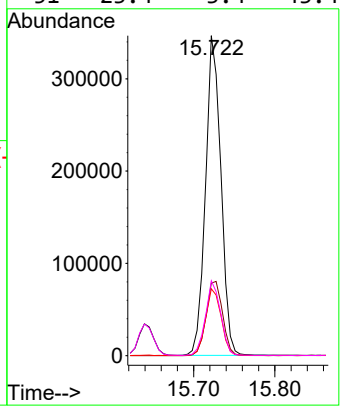


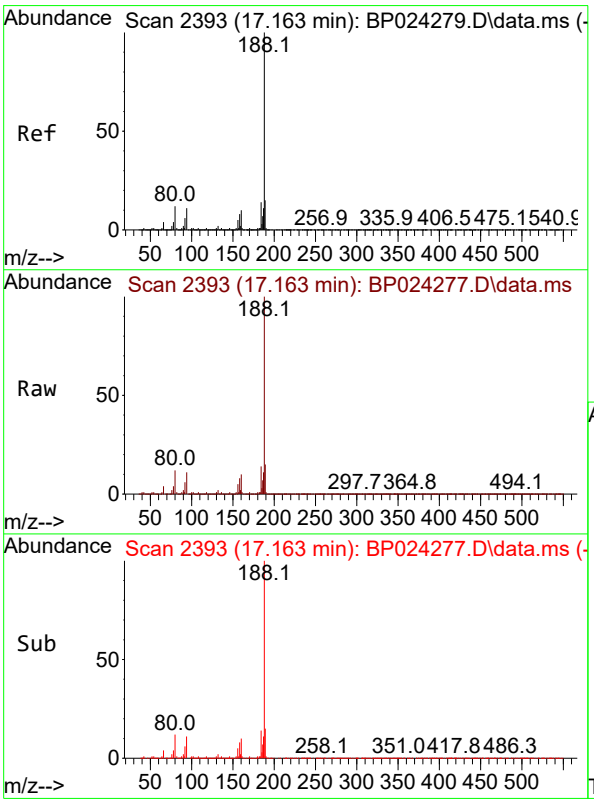
#63
Azobenzene
Concen: 9.999 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 455459

Ion	Ratio	Lower	Upper
77	100		
182	22.7	7.3	47.3
105	20.9	2.3	42.3
51	23.4	3.4	43.4

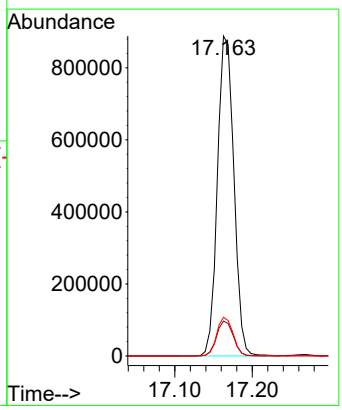


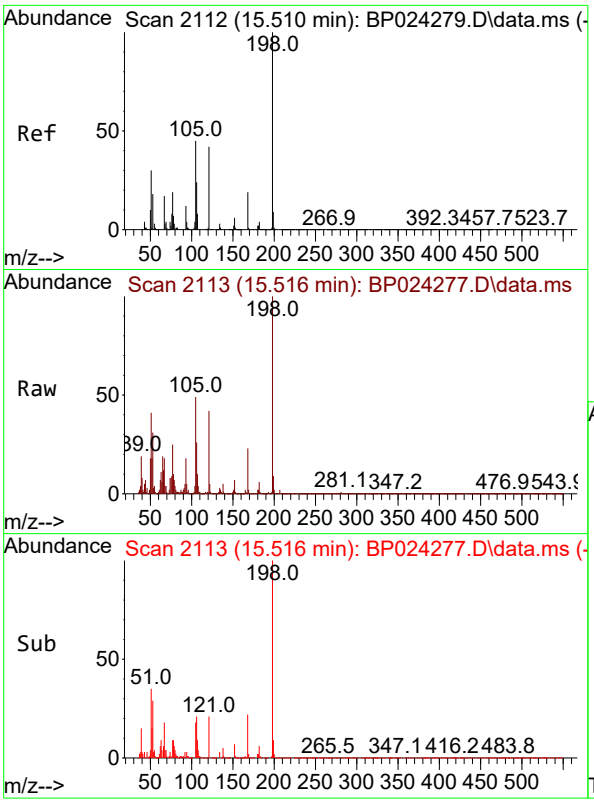


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:188 Resp: 1310701

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.1	9.8	14.6



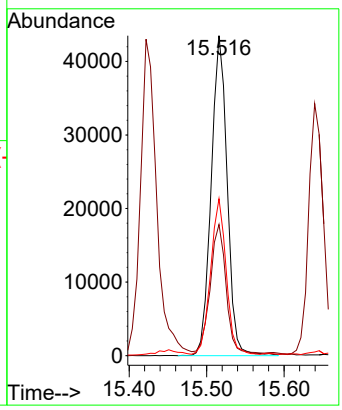


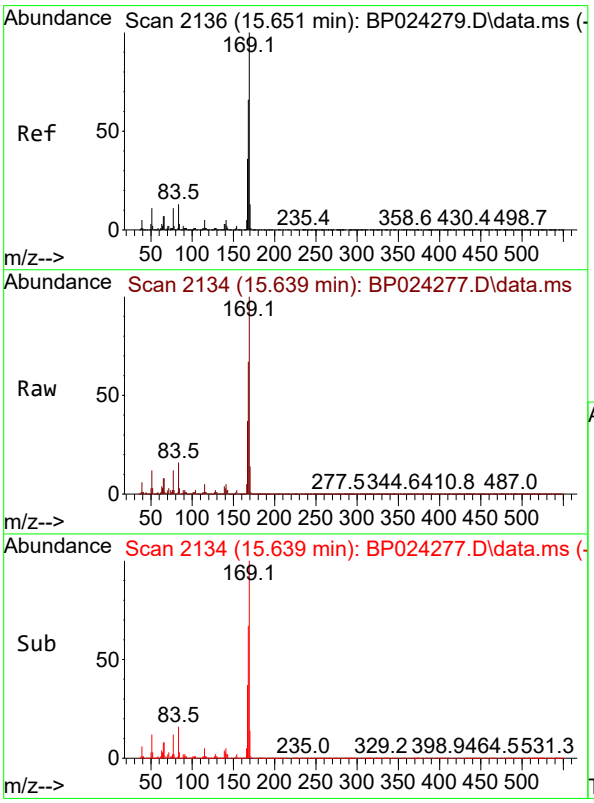
#65
4,6-Dinitro-2-methylphenol
Concen: 8.151 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 62421

Ion	Ratio	Lower	Upper
198	100		
51	41.0	18.4	58.4
105	49.0	26.5	66.5

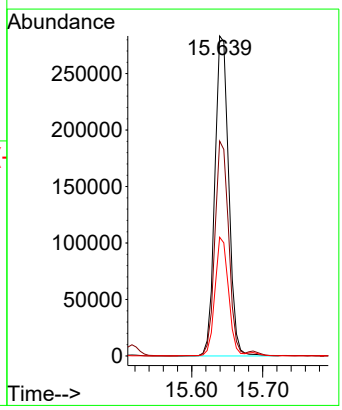


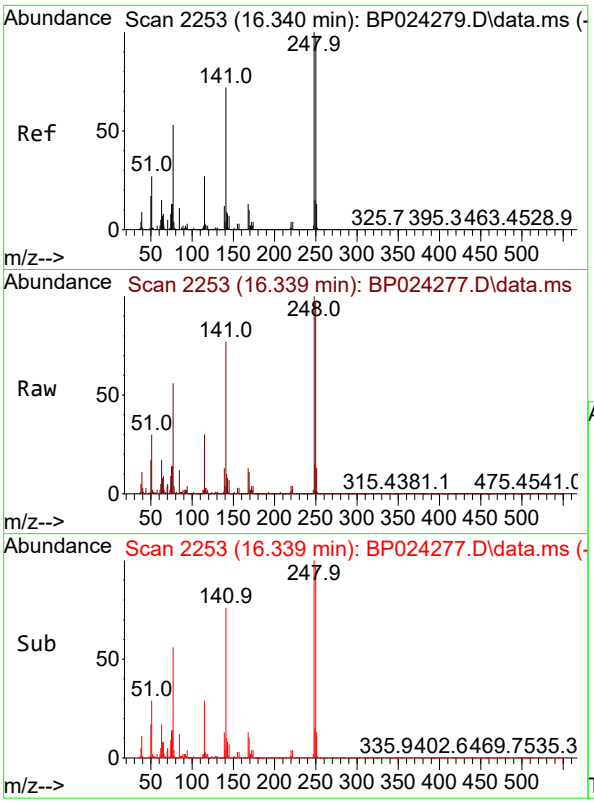


#66
n-Nitrosodiphenylamine
Concen: 9.759 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:169 Resp: 383558

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.0	79.4
167	37.1	28.9	43.3



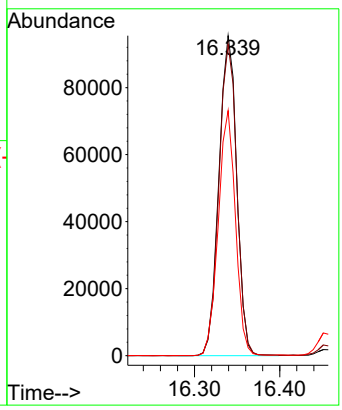


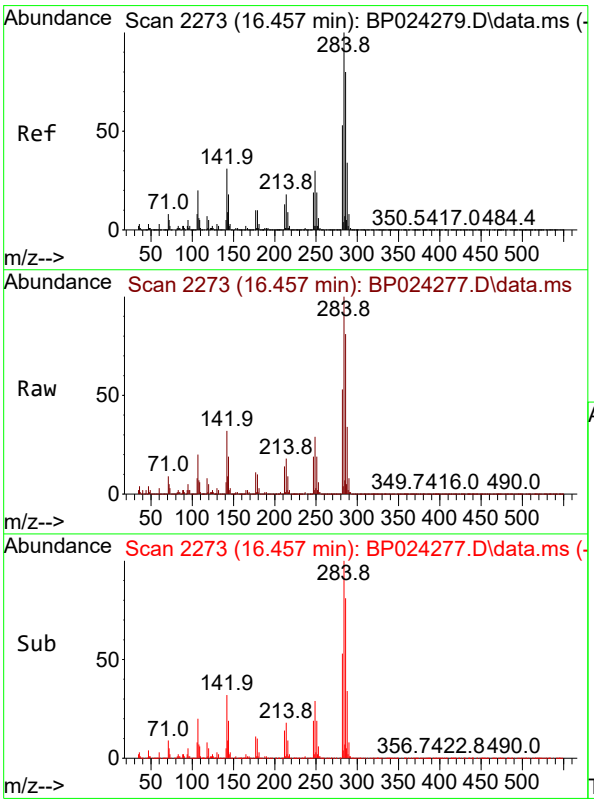
#67
4-Bromophenyl-phenylether
Concen: 9.703 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 138724

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.4
141	76.6	57.7	86.5

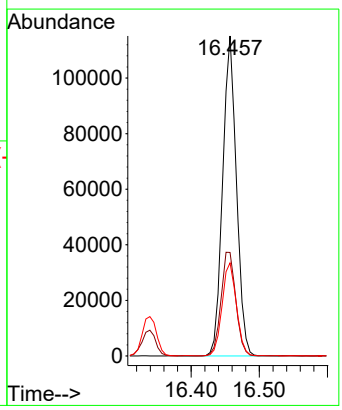


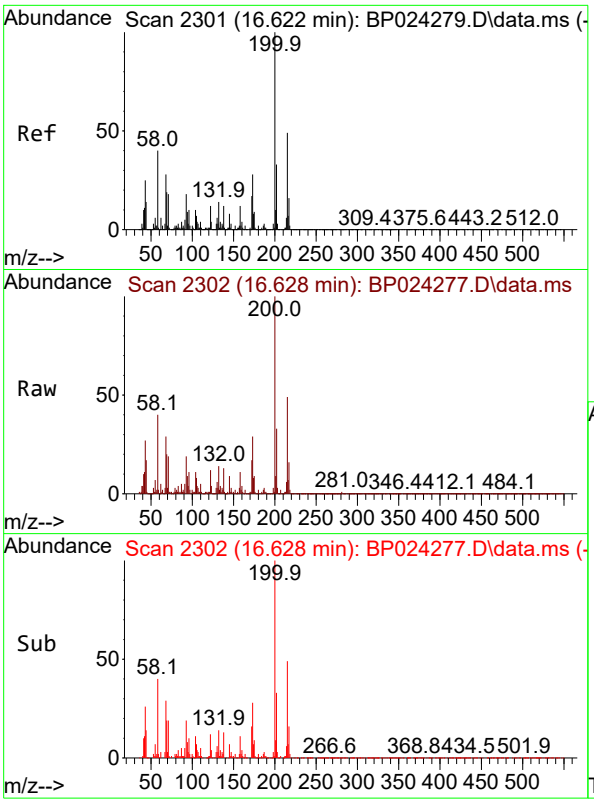


#68
Hexachlorobenzene
Concen: 9.528 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:284 Resp: 161944

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.1	23.8	35.6



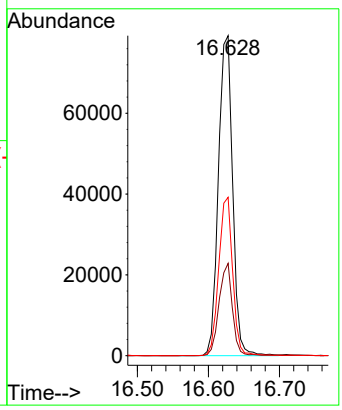


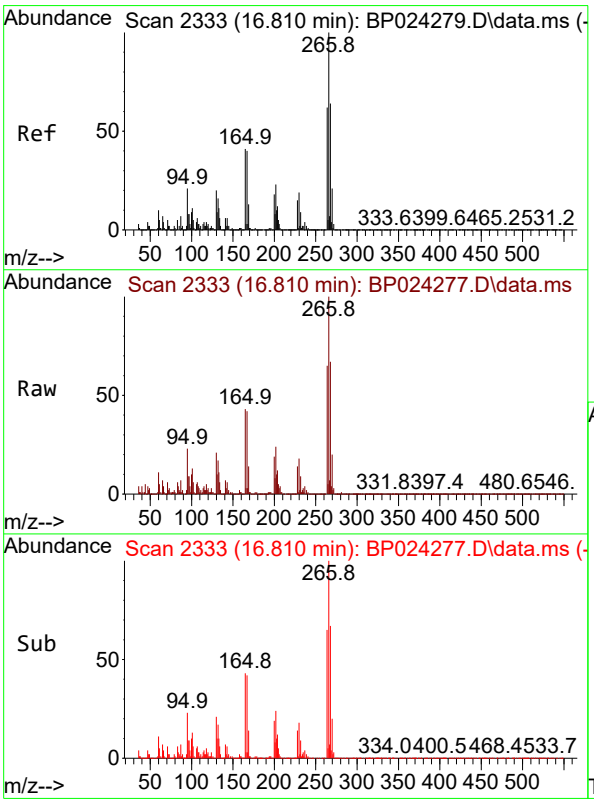
#69
Atrazine
Concen: 10.990 ng
RT: 16.628 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 109503

Ion	Ratio	Lower	Upper
200	100		
173	28.8	7.5	47.5
215	49.5	28.8	68.8

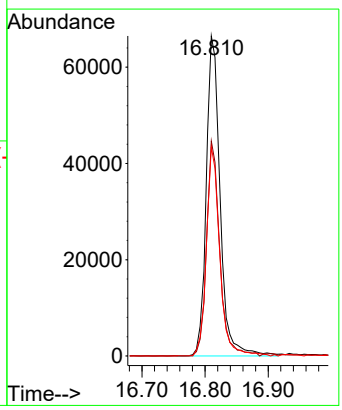


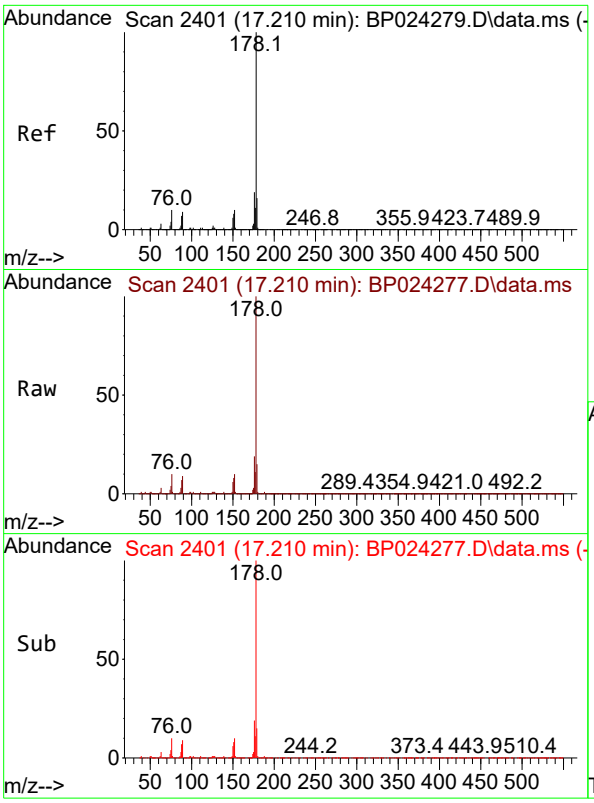


#70
Pentachlorophenol
Concen: 8.682 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:266 Resp: 101318

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	65.3	49.8	74.6



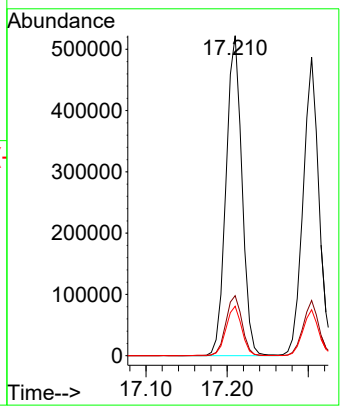


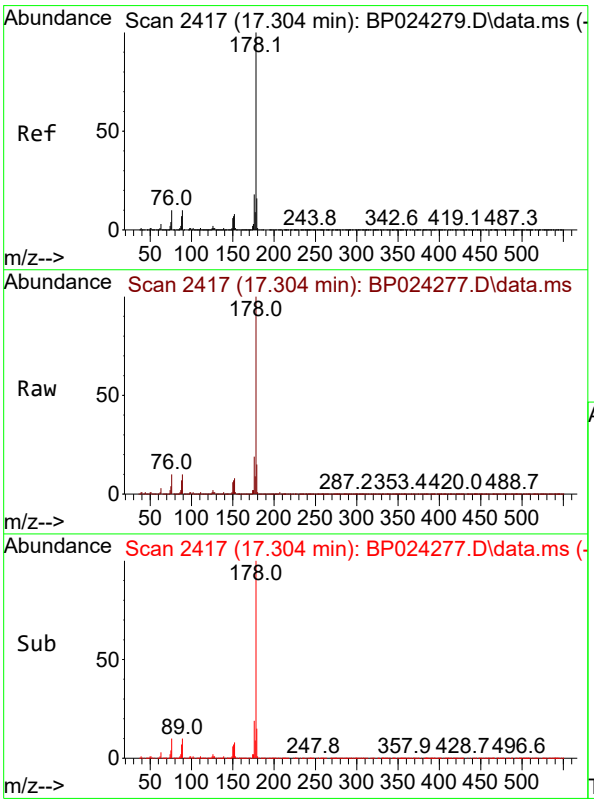
#71
Phenanthrene
Concen: 9.900 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 711407

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.5	18.7

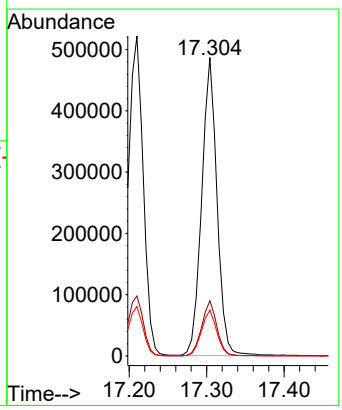


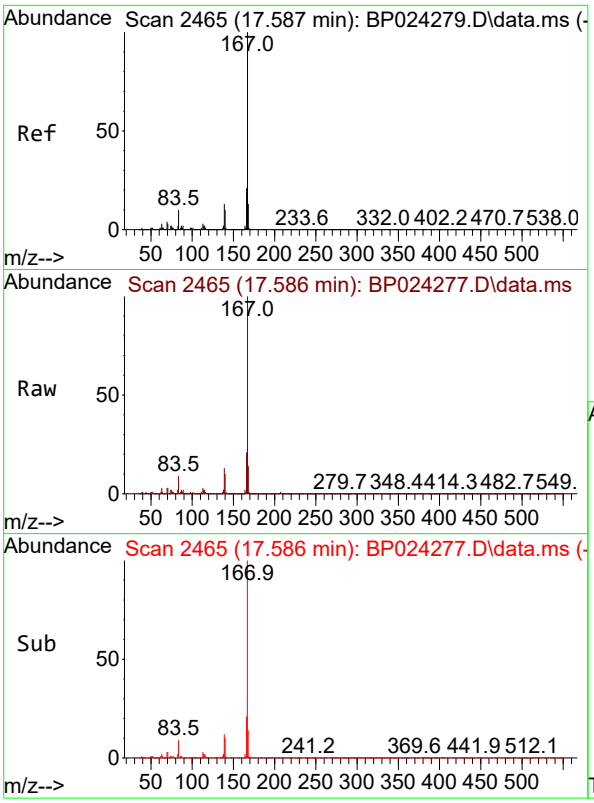


#72
Anthracene
Concen: 9.635 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:178 Resp: 666269

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.4	18.6



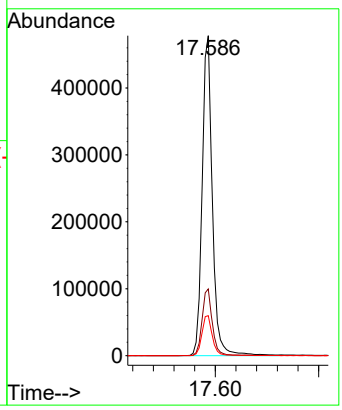


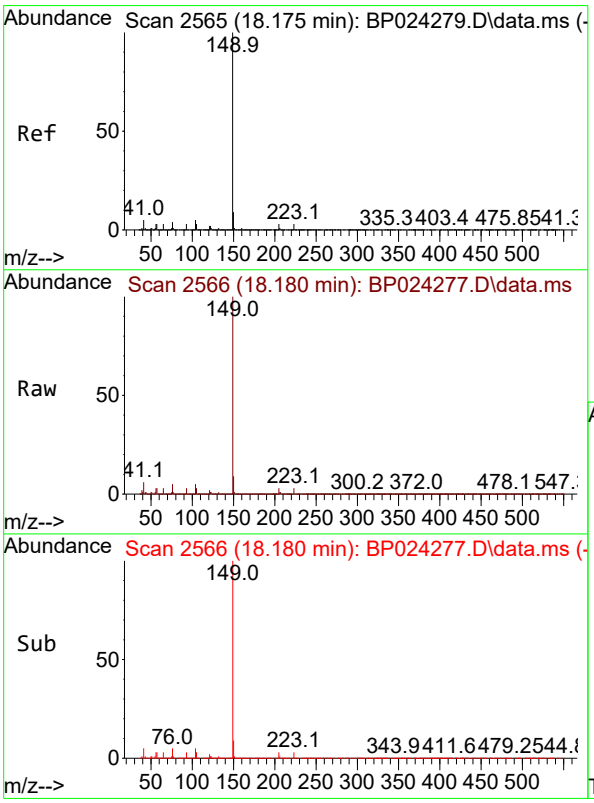
#73
Carbazole
Concen: 9.721 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 654205

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.1	25.7
139	12.5	10.6	16.0

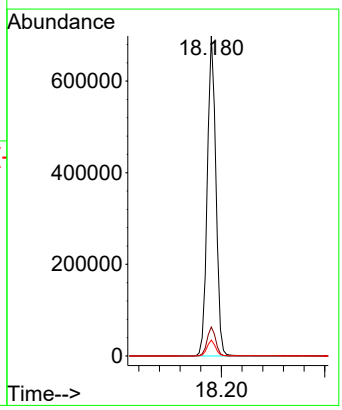


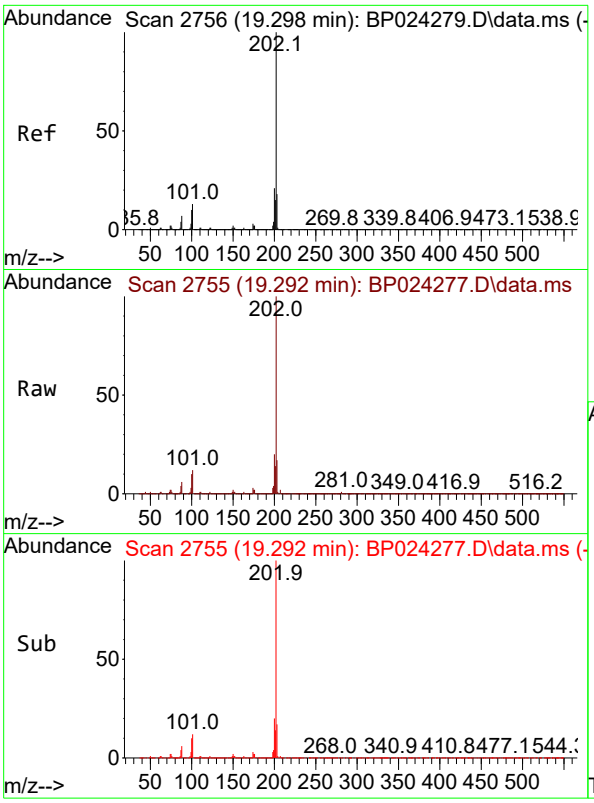


#74
Di-n-butylphthalate
Concen: 9.616 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 806280

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.9	3.9	5.9



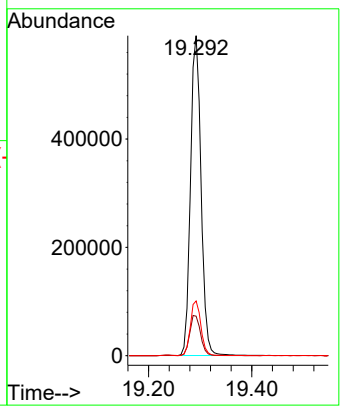


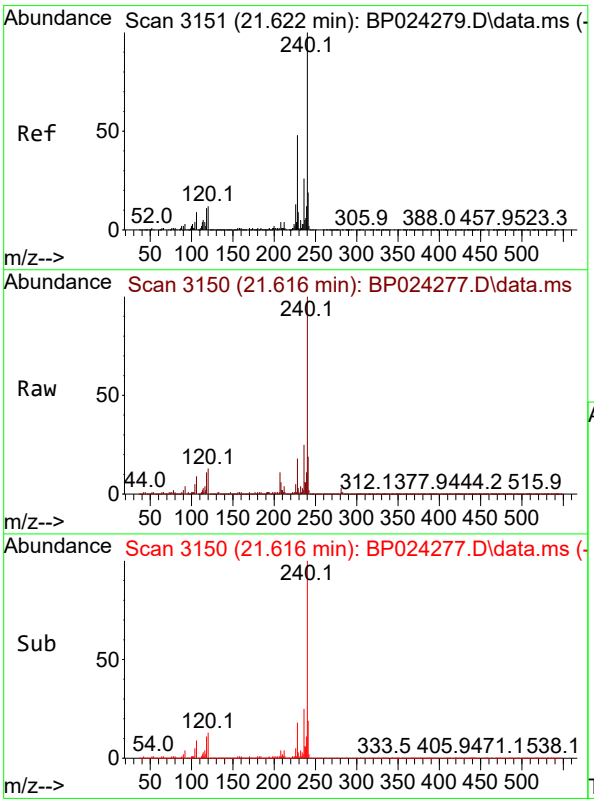
#75
Fluoranthene
Concen: 9.791 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 835153

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.1	0.0	37.7

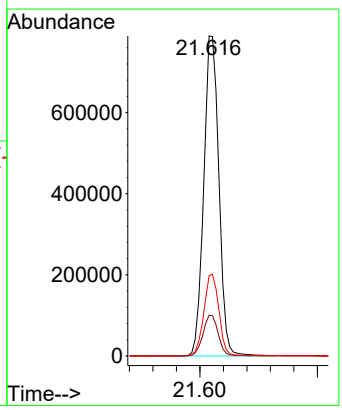


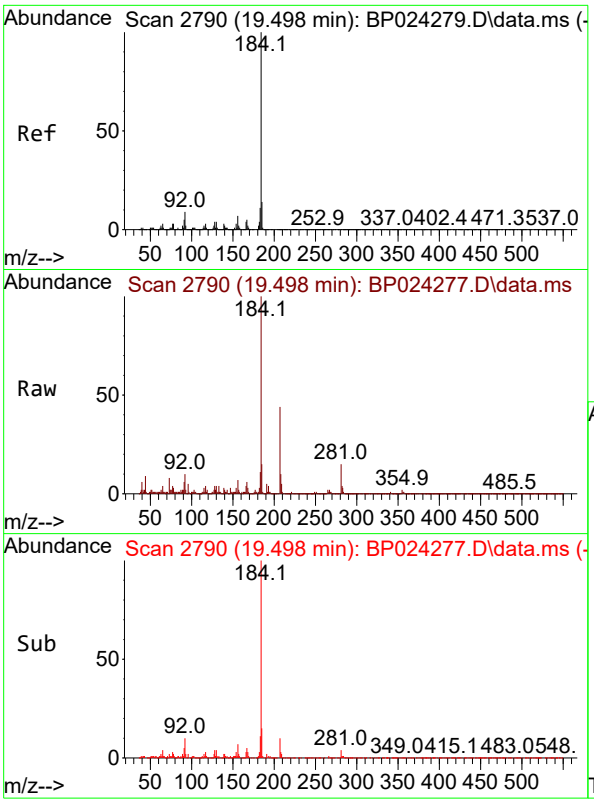


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:240 Resp: 1408913

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.0	20.9	31.3



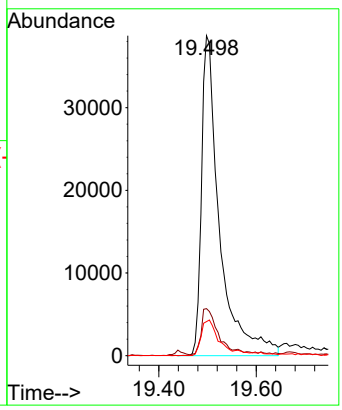


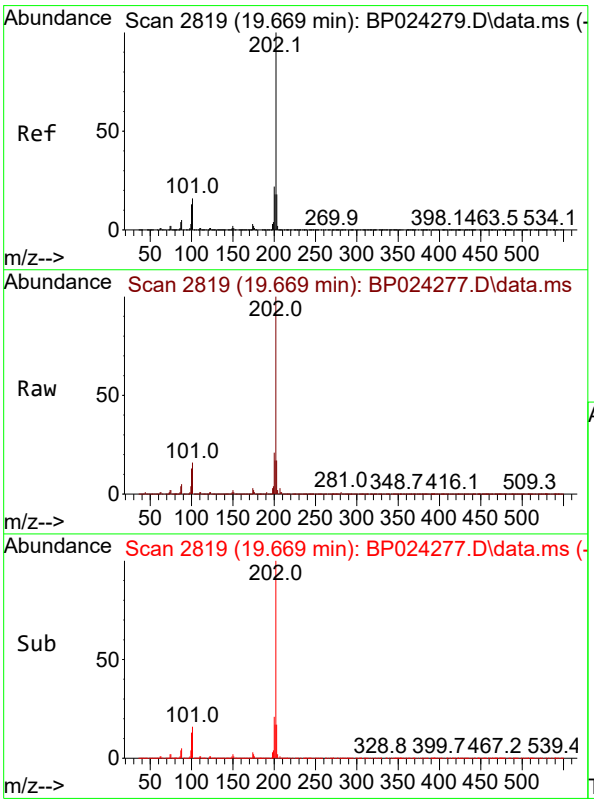
#77
Benzidine
Concen: 5.730 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 99659

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.6	17.4
183	10.6	9.2	13.8

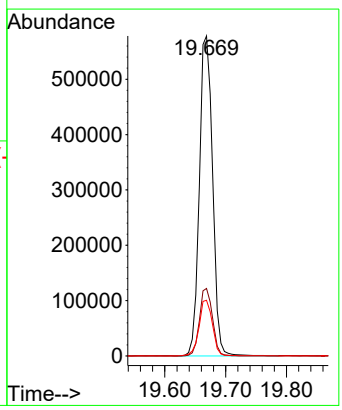


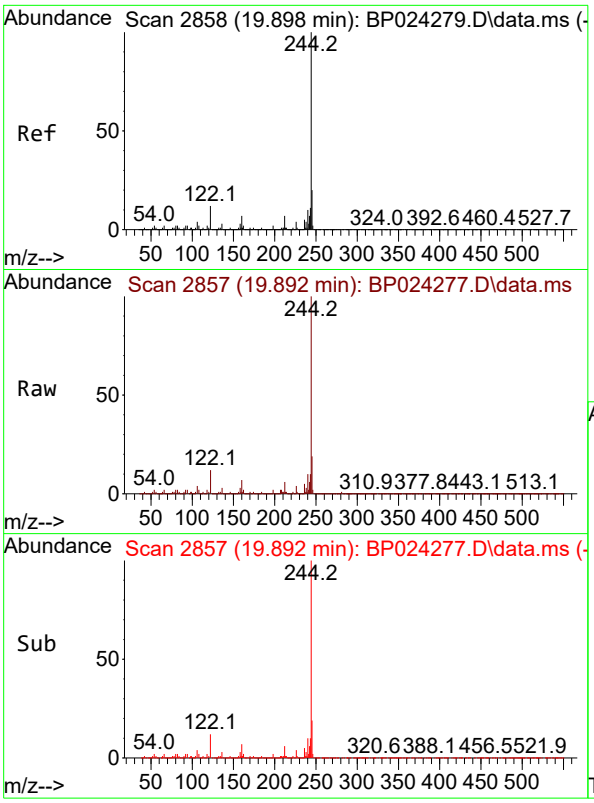


#78
Pyrene
Concen: 9.659 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:202 Resp: 870767

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.4	14.4	21.6



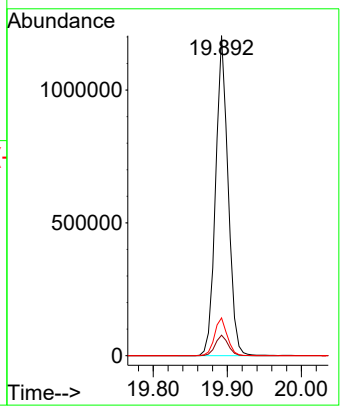


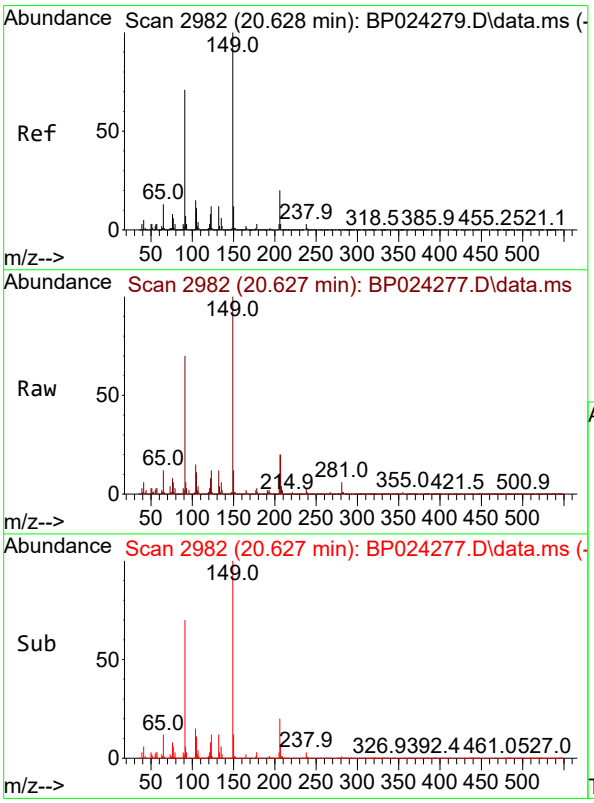
#79
Terphenyl-d14
Concen: 19.888 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1405643

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.8	9.4	14.0

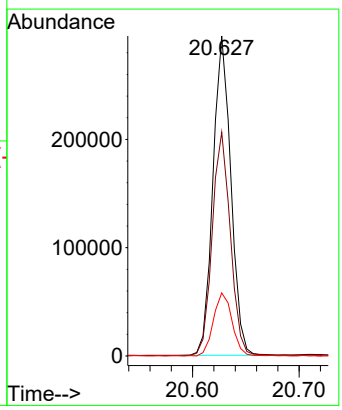


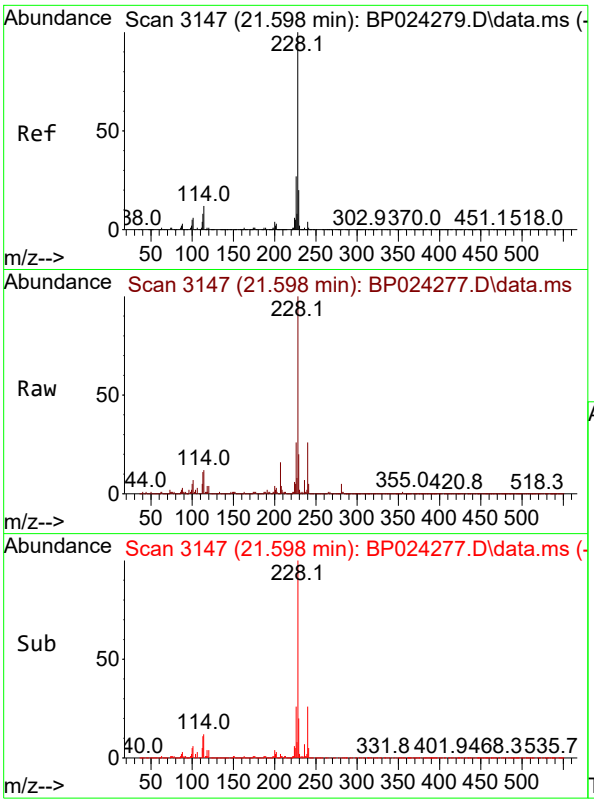


#80
Butylbenzylphthalate
Concen: 9.043 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 343670

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	19.7	16.3	24.5



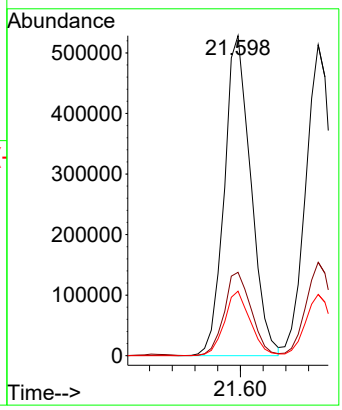


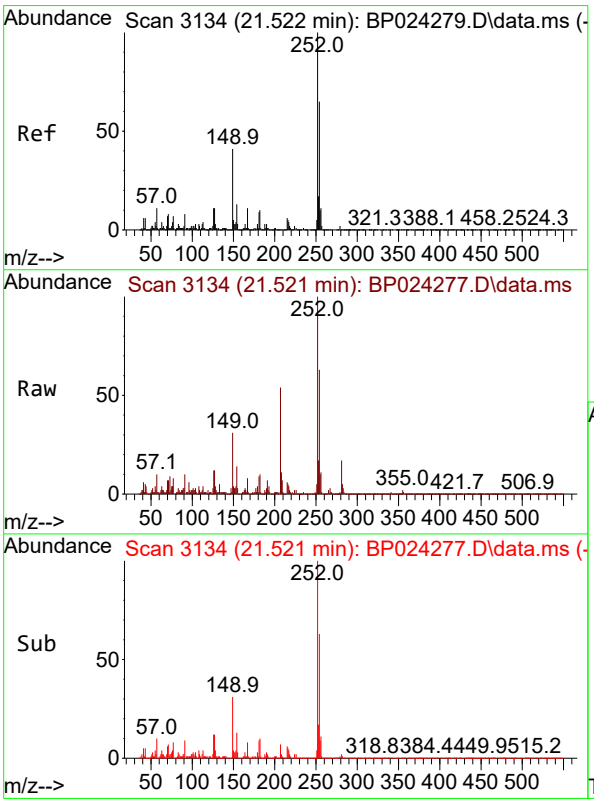
#81
Benzo(a)anthracene
Concen: 9.734 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 854983

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.8
229	20.2	15.9	23.9

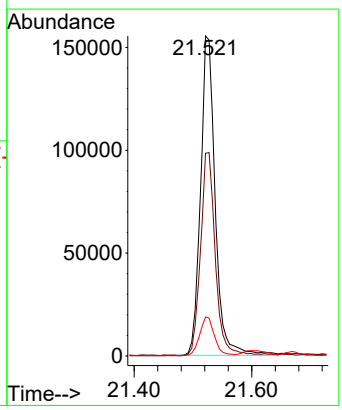


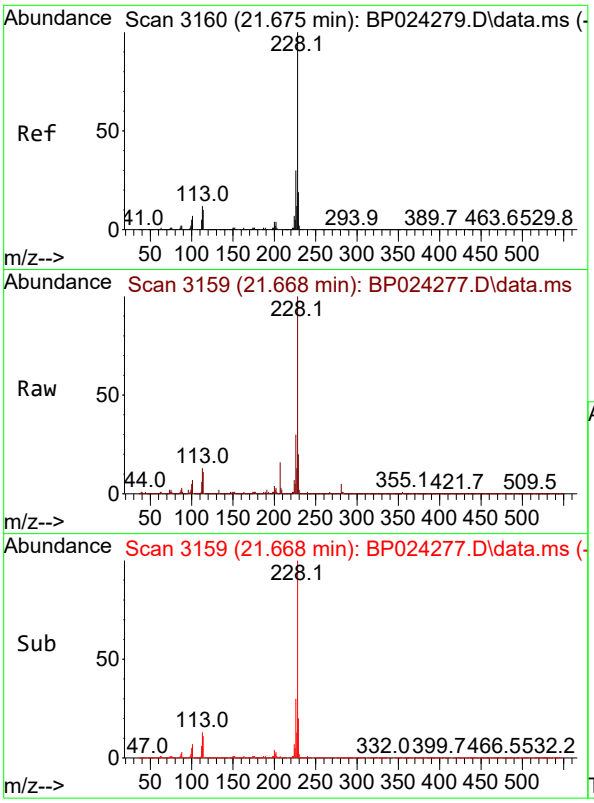


#82
3,3'-Dichlorobenzidine
Concen: 8.857 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 269772

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.7	77.5
126	12.2	8.8	13.2



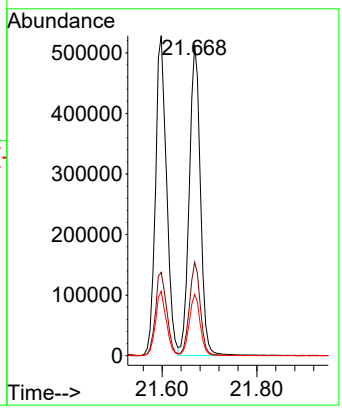


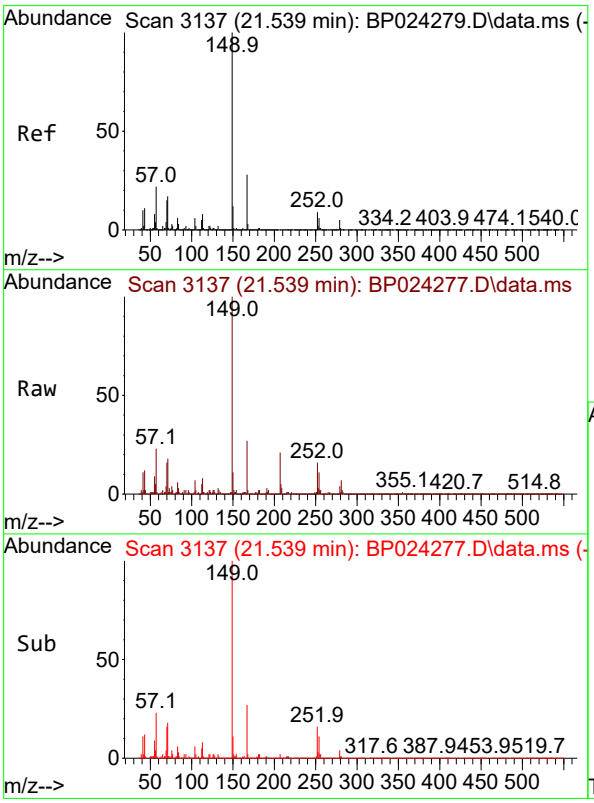
#83
Chrysene
Concen: 9.887 ng
RT: 21.668 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 832263

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	19.7	15.6	23.4

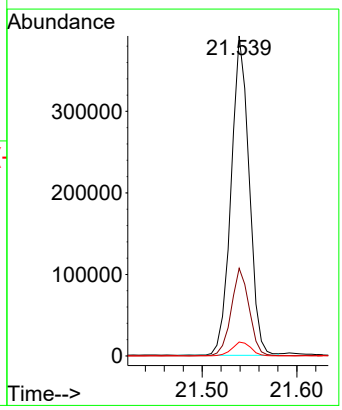


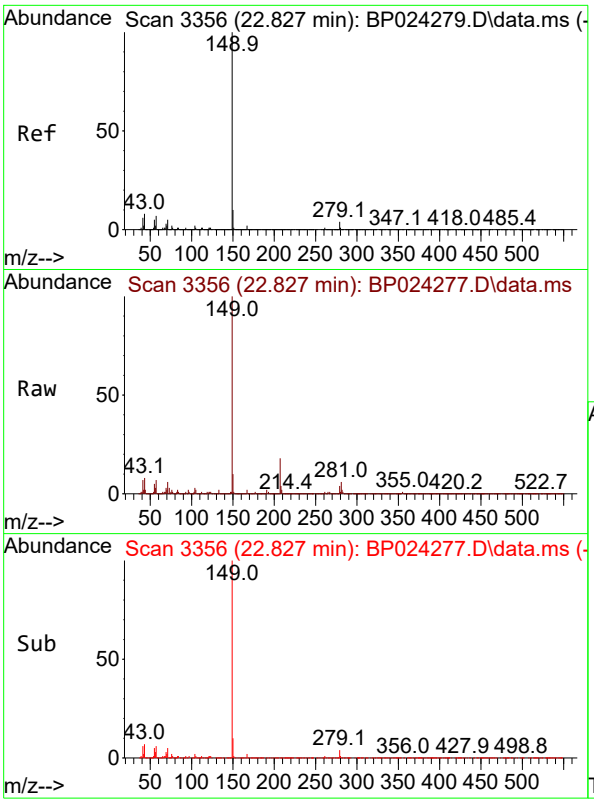


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.253 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 517894

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.4	33.6
279	4.4	4.0	6.0



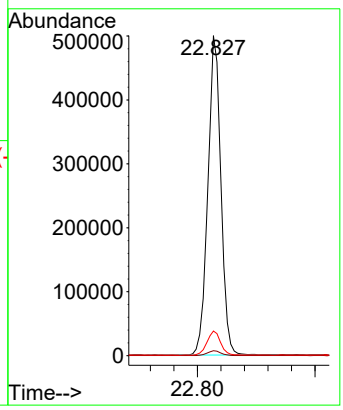


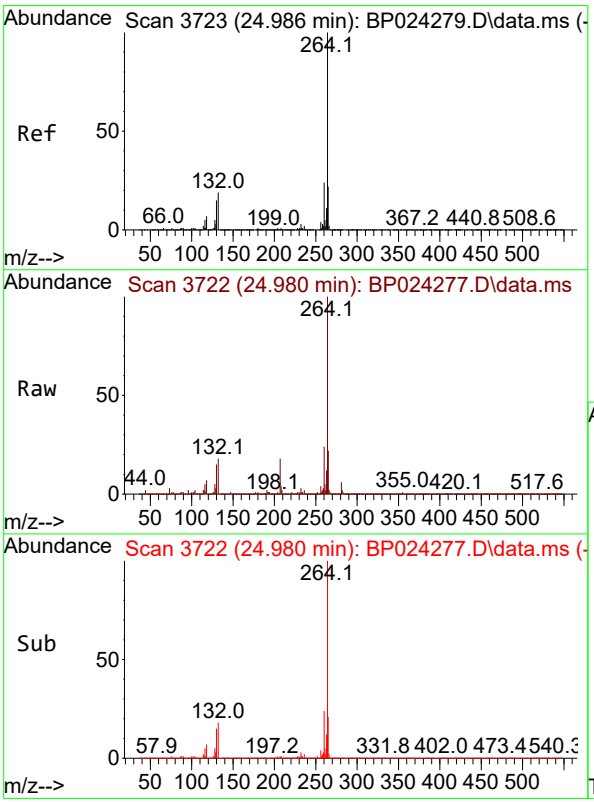
#85
Di-n-octyl phthalate
Concen: 8.584 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 769654

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0

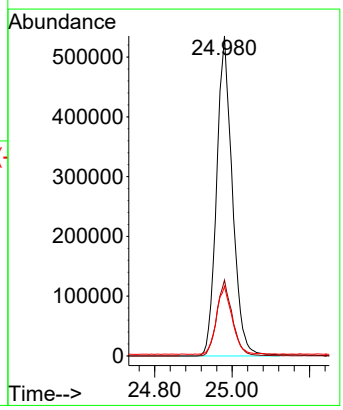


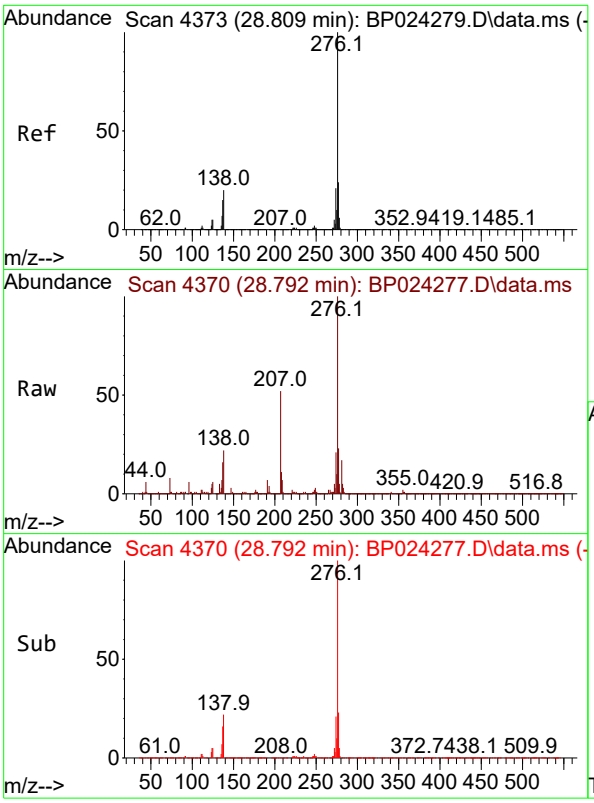


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:264 Resp: 1508235

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.8	26.6



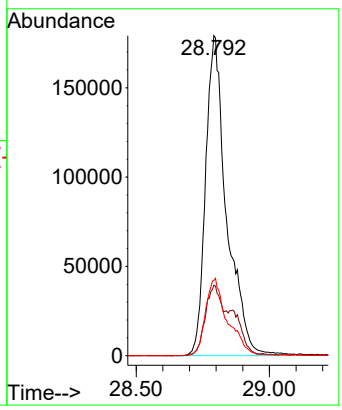


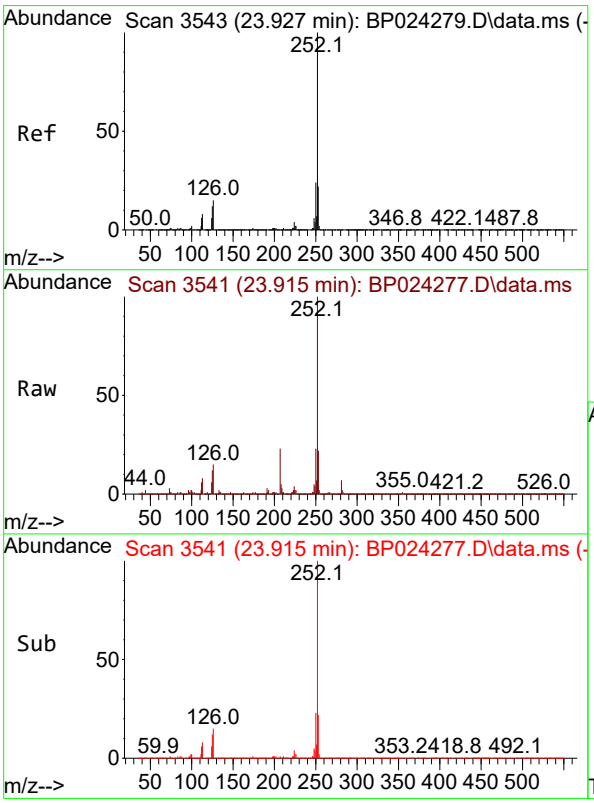
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.480 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 983323

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.5	21.7
277	25.4	20.2	30.2

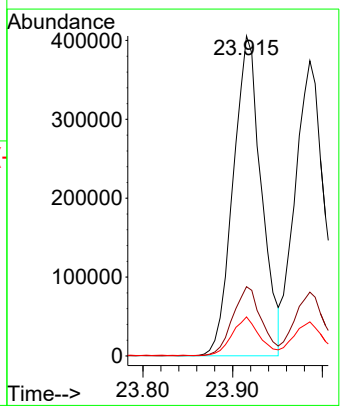


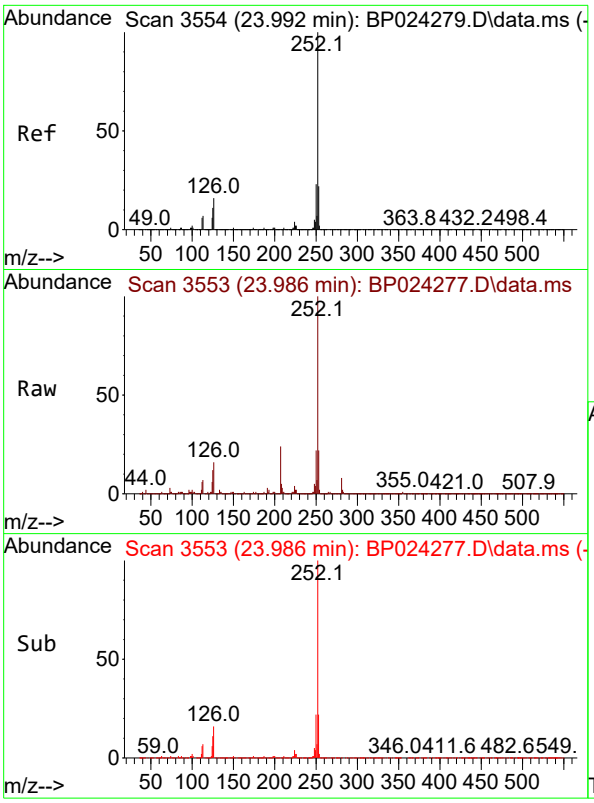


#88
Benzo(b)fluoranthene
Concen: 9.810 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 885212

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	12.2	9.4	14.0



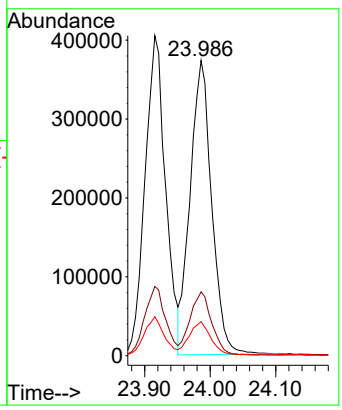


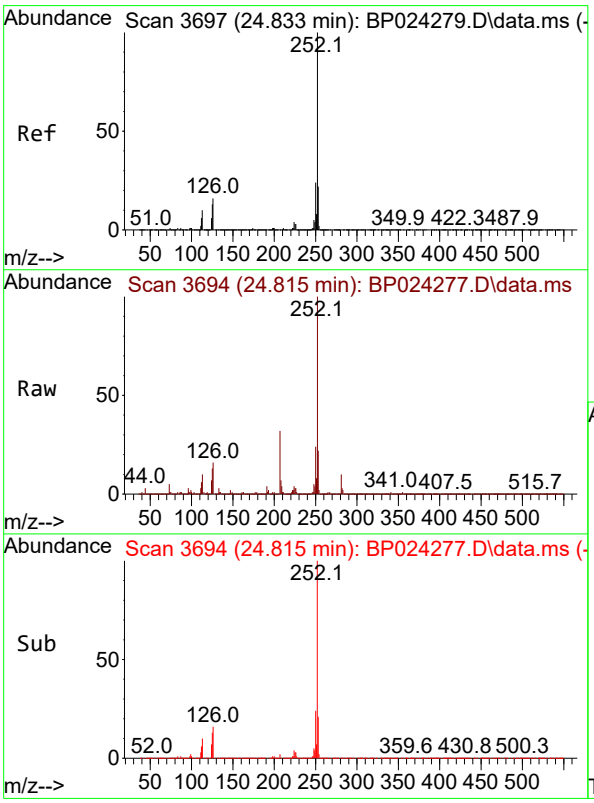
#89
Benzo(k)fluoranthene
Concen: 9.735 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 852606

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	9.1	13.7

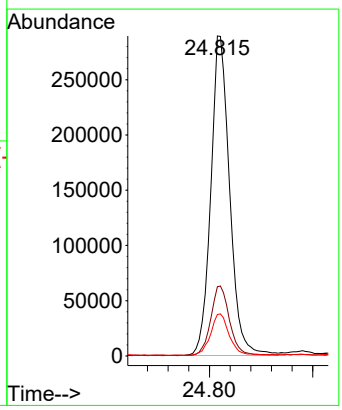


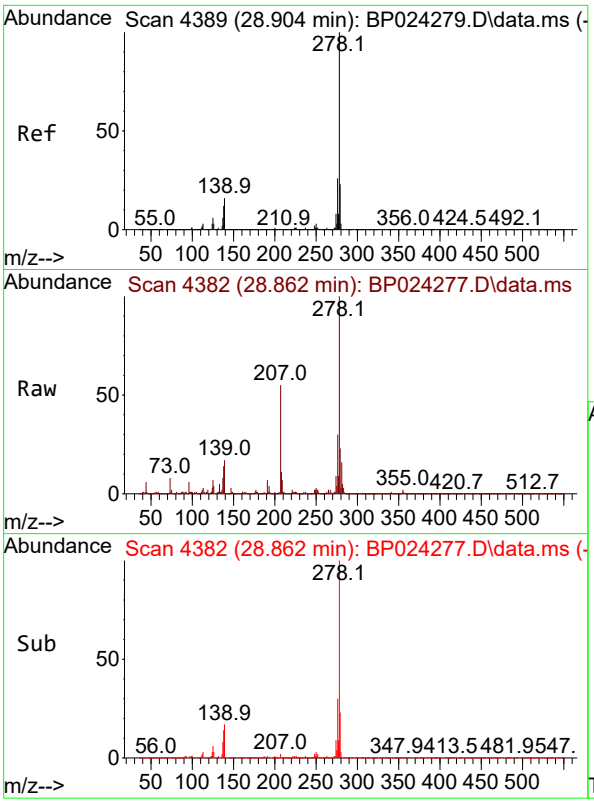


#90
Benzo(a)pyrene
Concen: 9.426 ng
RT: 24.815 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 732209

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	13.0	10.1	15.1



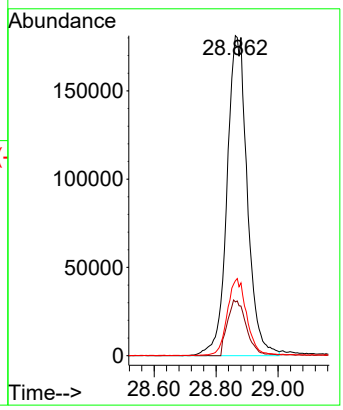


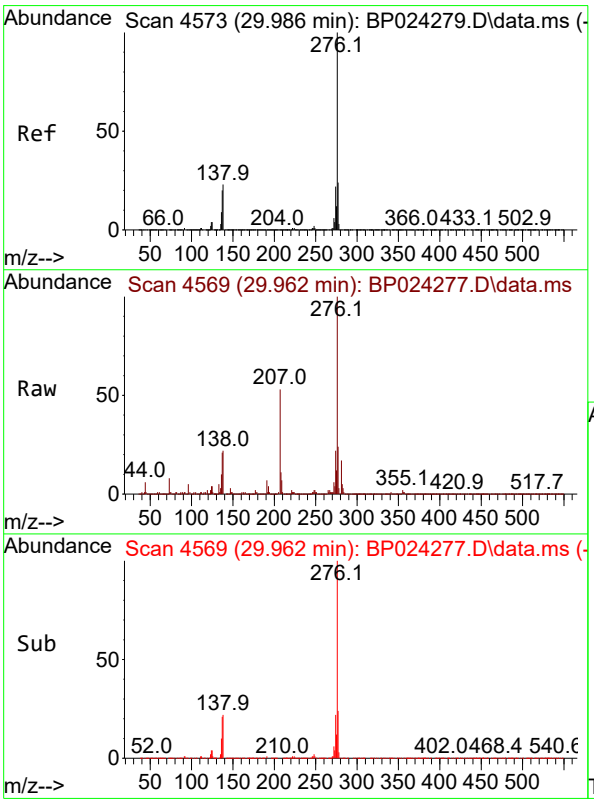
#91
Dibenzo(a,h)anthracene
Concen: 9.517 ng
RT: 28.862 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 821160

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	23.4	18.5	27.7

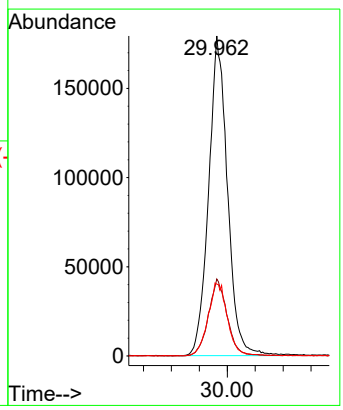




#92
Benzo(g,h,i)perylene
Concen: 9.530 ng
RT: 29.962 min Scan# 4569
Delta R.T. -0.024 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:276 Resp: 836993

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.5	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	251998	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1081087	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	688775	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1378480	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1415765	20.000	ng	0.00
86) Perylene-d12	24.986	264	1549781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	636245	41.668	ng	0.00
7) Phenol-d6	6.911	99	866004	41.458	ng	0.00
23) Nitrobenzene-d5	8.875	82	794485	41.839	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	383088	40.617	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	1871534	41.254	ng	0.00
79) Terphenyl-d14	19.898	244	2987245	42.062	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	139222	21.358	ng	99
3) Pyridine	3.693	79	358370	21.120	ng	99
4) n-Nitrosodimethylamine	3.599	42	118077	20.869	ng	98
6) Aniline	7.069	93	412168	21.857	ng	99
8) 2-Chlorophenol	7.305	128	355815	20.852	ng	99
9) Benzaldehyde	6.881	77	237371	21.940	ng	100
10) Phenol	6.940	94	433531	20.670	ng	98
11) bis(2-Chloroethyl)ether	7.164	93	352530	20.800	ng	100
12) 1,3-Dichlorobenzene	7.622	146	386470	20.903	ng	100
13) 1,4-Dichlorobenzene	7.763	146	390483	20.828	ng	100
14) 1,2-Dichlorobenzene	8.081	146	378518	20.880	ng	99
15) Benzyl Alcohol	7.969	79	278608	20.809	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.258	45	382308	20.734	ng	99
17) 2-Methylphenol	8.175	107	283057	20.942	ng	99
18) Hexachloroethane	8.805	117	140558	20.773	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	274118	21.127	ng	100
20) 3+4-Methylphenols	8.499	107	393131	20.999	ng	99
22) Acetophenone	8.546	105	563994	20.991	ng	99
24) Nitrobenzene	8.916	77	390911	20.770	ng	98
25) Isophorone	9.446	82	705771	20.588	ng	98
26) 2-Nitrophenol	9.628	139	185740	20.553	ng	99
27) 2,4-Dimethylphenol	9.687	122	236436	20.643	ng	98
28) bis(2-Chloroethoxy)met...	9.916	93	480036	20.575	ng	100
29) 2,4-Dichlorophenol	10.163	162	320579	20.536	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	343641	20.348	ng	99
31) Naphthalene	10.557	128	1179848	20.618	ng	100
32) Benzoic acid	9.805	122	244213m	19.731	ng	
33) 4-Chloroaniline	10.669	127	420086	21.010	ng	100
34) Hexachlorobutadiene	10.846	225	200785	20.267	ng	99
35) Caprolactam	11.446	113	119912	20.922	ng	98
36) 4-Chloro-3-methylphenol	11.799	107	377768	20.767	ng	99
37) 2-Methylnaphthalene	12.169	142	816314	20.583	ng	100
38) 1-Methylnaphthalene	12.387	142	796550	20.503	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	391241	20.669	ng	100
41) Hexachlorocyclopentadiene	12.522	237	135654	20.414	ng	97
43) 2,4,6-Trichlorophenol	12.787	196	254189	20.410	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

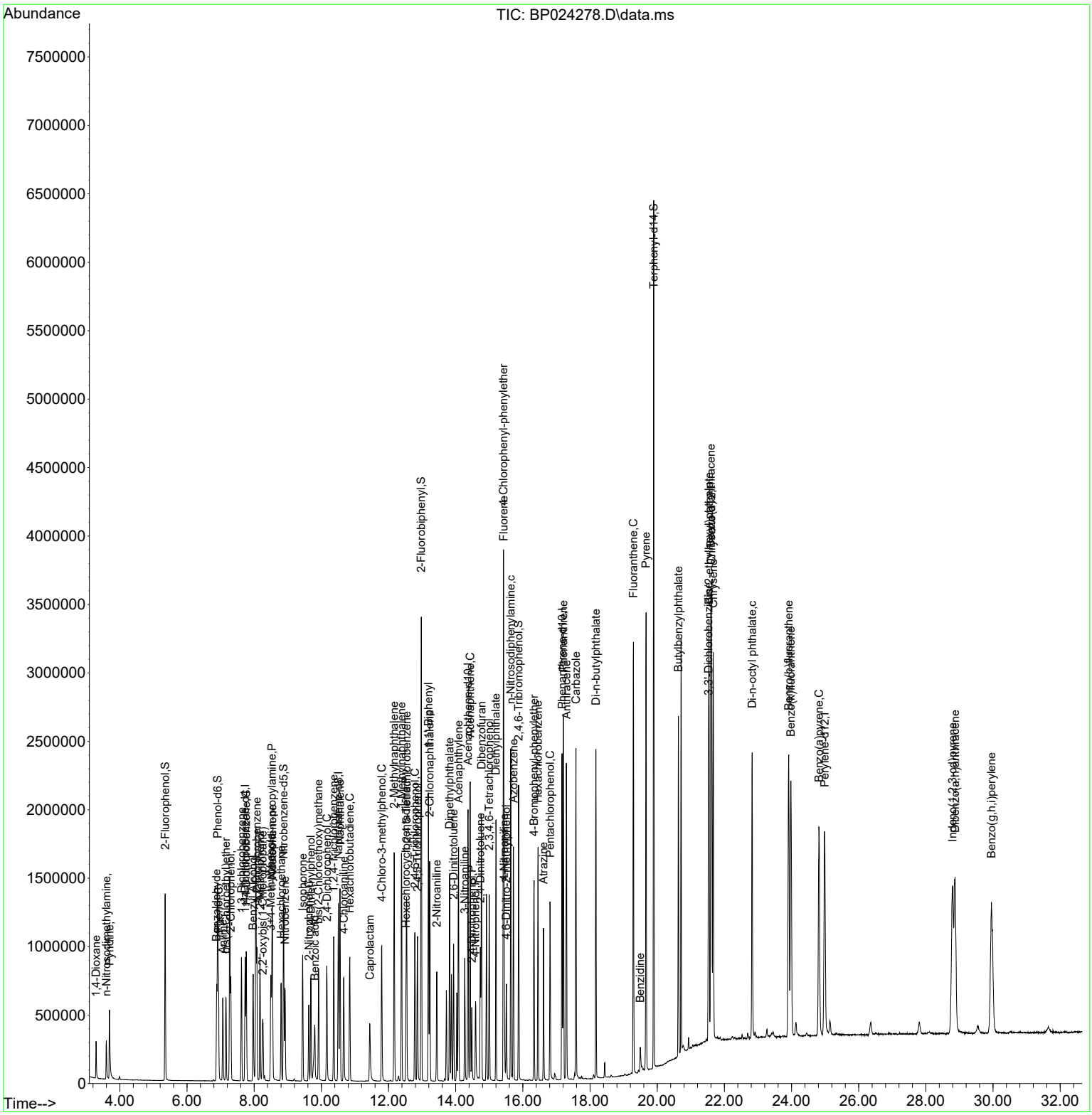
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	281887	20.424	ng	99
46) 1,1'-Biphenyl	13.187	154	1052618	20.694	ng	100
47) 2-Chloronaphthalene	13.228	162	782040	20.603	ng	99
48) 2-Nitroaniline	13.440	65	218194	20.811	ng	99
49) Acenaphthylene	14.087	152	1234728	20.726	ng	99
50) Dimethylphthalate	13.822	163	1029599	20.489	ng	100
51) 2,6-Dinitrotoluene	13.940	165	219492	20.731	ng	98
52) Acenaphthene	14.434	154	785789	20.741	ng	99
53) 3-Nitroaniline	14.269	138	233006	21.212	ng	99
54) 2,4-Dinitrophenol	14.481	184	112157	19.785	ng	94
55) Dibenzofuran	14.769	168	1288363	20.735	ng	99
56) 4-Nitrophenol	14.593	139	199315	21.109	ng	99
57) 2,4-Dinitrotoluene	14.734	165	302332	21.126	ng	98
58) Fluorene	15.428	166	1001515	20.876	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	262077	20.523	ng	99
60) Diethylphthalate	15.198	149	1052183	20.344	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	481631	20.675	ng	98
62) 4-Nitroaniline	15.445	138	243257	20.888	ng	96
63) Azobenzene	15.722	77	995912	20.907	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	162501	20.176	ng	98
66) n-Nitrosodiphenylamine	15.640	169	849476	20.552	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	302601	20.125	ng	99
68) Hexachlorobenzene	16.451	284	358889	20.077	ng	100
69) Atrazine	16.616	200	184151	17.573	ng	98
70) Pentachlorophenol	16.810	266	241815	19.702	ng	98
71) Phenanthrene	17.210	178	1540112	20.378	ng	100
72) Anthracene	17.298	178	1494006	20.543	ng	99
73) Carbazole	17.581	167	1461729	20.653	ng	100
74) Di-n-butylphthalate	18.175	149	1727074	19.585	ng	100
75) Fluoranthene	19.292	202	1813662	20.218	ng	99
77) Benzidine	19.498	184	154964	8.867	ng	99
78) Pyrene	19.669	202	1904884	21.028	ng	99
80) Butylbenzylphthalate	20.633	149	772776	20.235	ng	96
81) Benzo(a)anthracene	21.598	228	1829798	20.732	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	610749	19.956	ng	99
83) Chrysene	21.669	228	1739548	20.565	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	1103263	19.616	ng	99
85) Di-n-octyl phthalate	22.827	149	1730436	19.207	ng	100
87) Indeno(1,2,3-cd)pyrene	28.792	276	2180177	20.454	ng	99
88) Benzo(b)fluoranthene	23.916	252	1885654	20.337	ng	99
89) Benzo(k)fluoranthene	23.980	252	1885747	20.955	ng	99
90) Benzo(a)pyrene	24.816	252	1637648	20.518	ng	98
91) Dibenzo(a,h)anthracene	28.868	278	1815743	20.480	ng	98
92) Benzo(g,h,i)perylene	29.951	276	1856380	20.571	ng	99

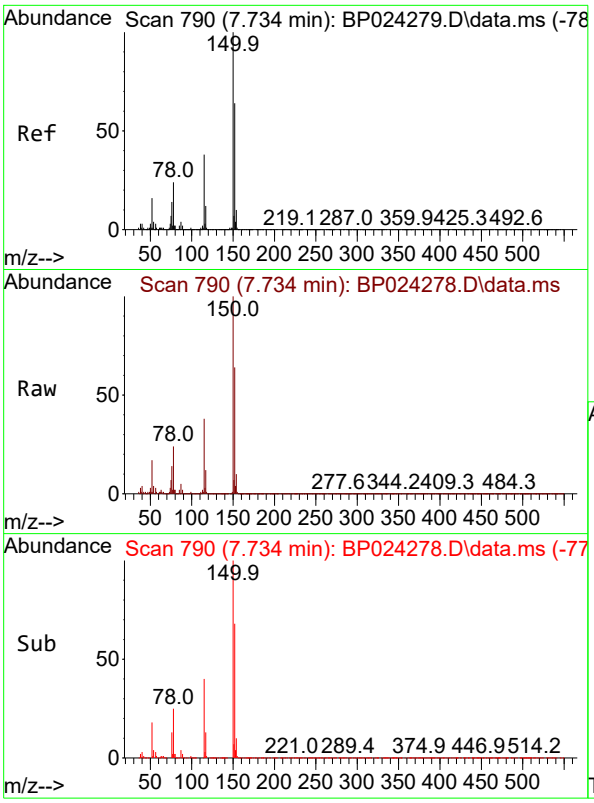
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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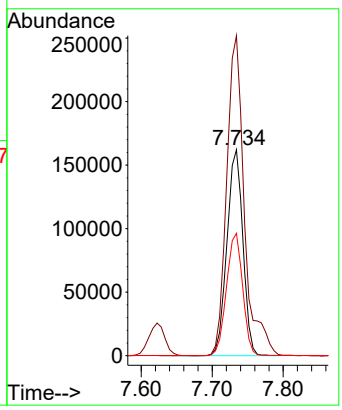


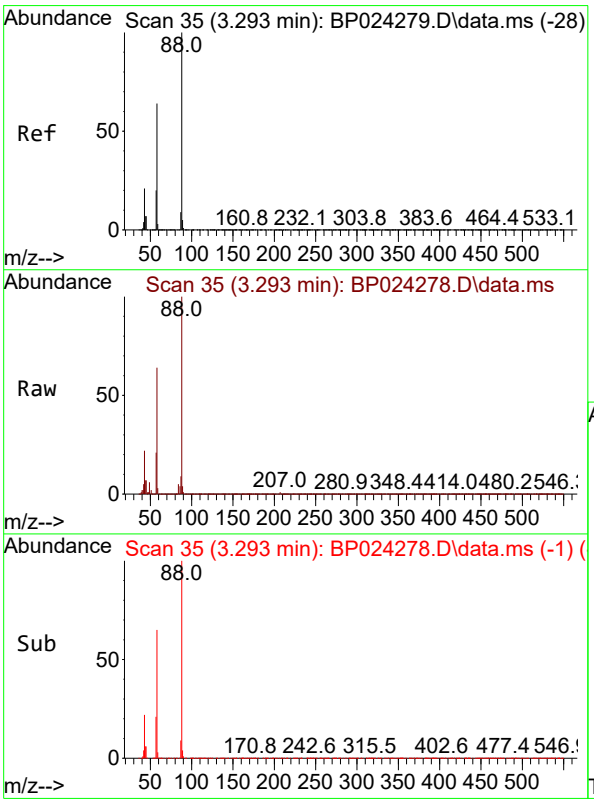
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 251998

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	59.4	47.7	71.5

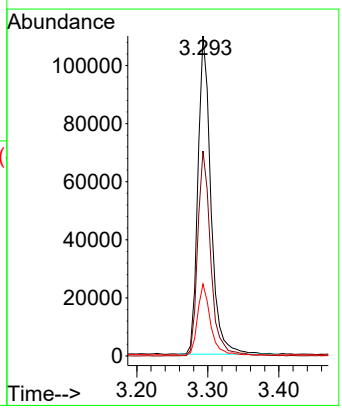


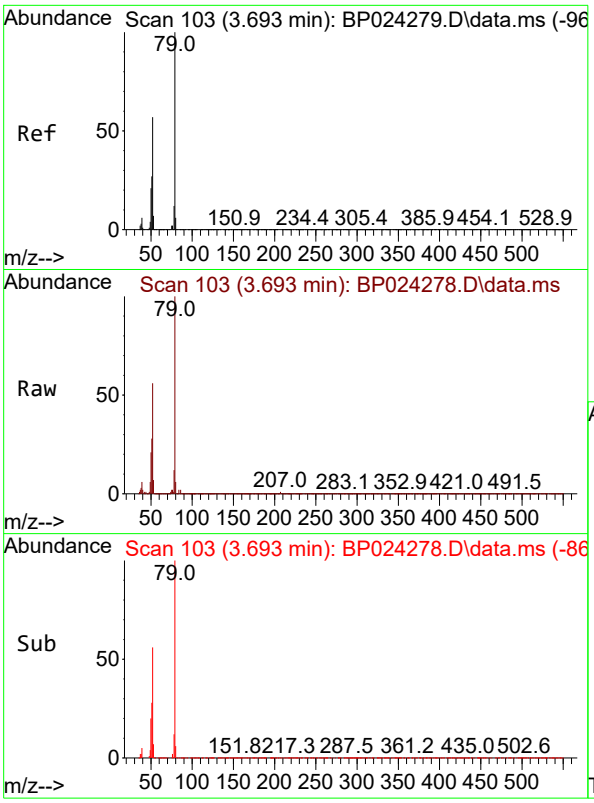


#2
1,4-Dioxane
Concen: 21.358 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 88 Resp: 139222

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	22.2	17.1	25.7



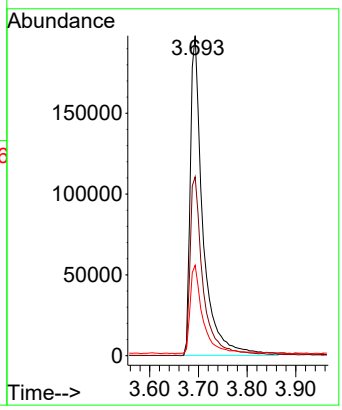


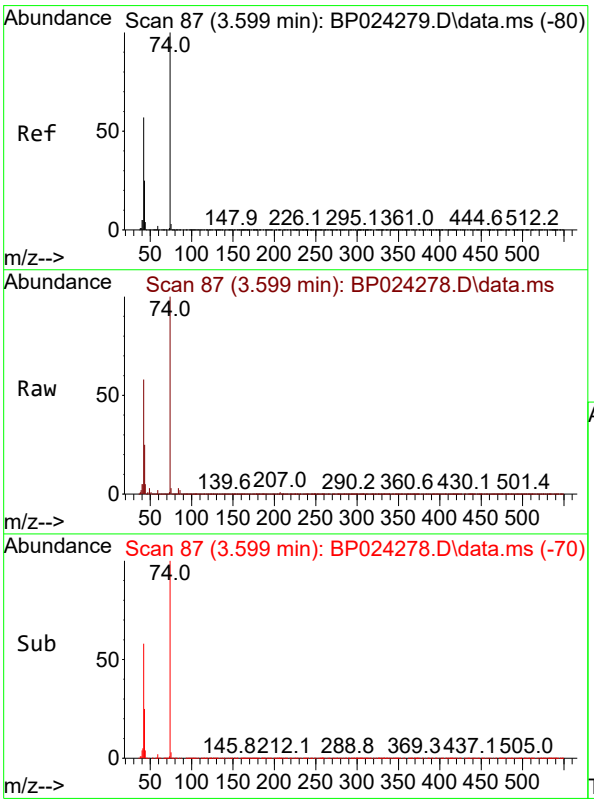
#3
Pyridine
Concen: 21.120 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 358370

Ion	Ratio	Lower	Upper
79	100		
52	55.9	45.4	68.2
51	28.3	22.6	33.8

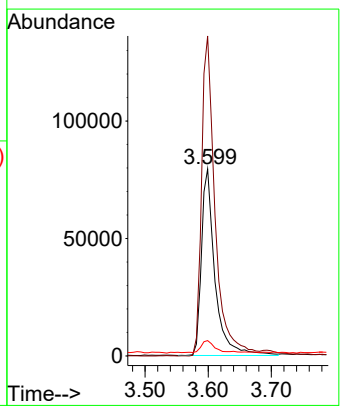


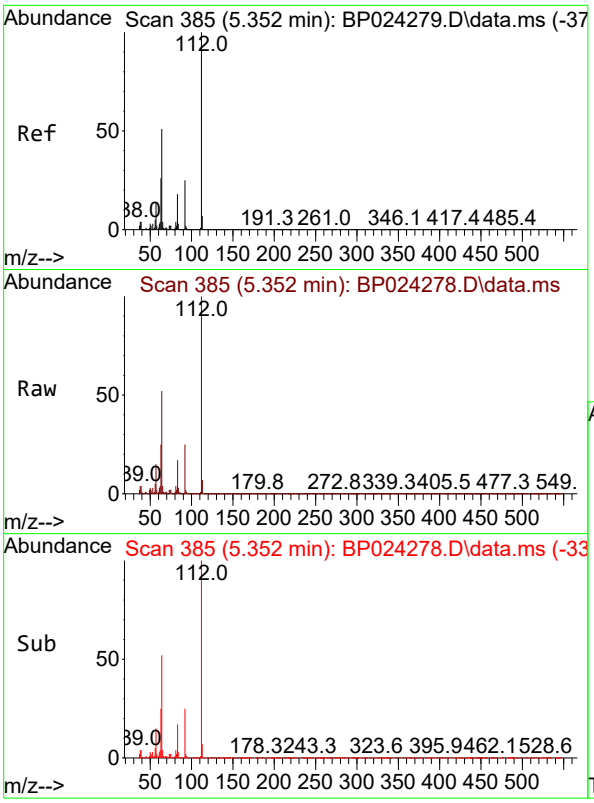


#4
n-Nitrosodimethylamine
Concen: 20.869 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 42 Resp: 118077

Ion	Ratio	Lower	Upper
42	100		
74	171.1	139.5	209.3
44	8.3	5.8	8.8



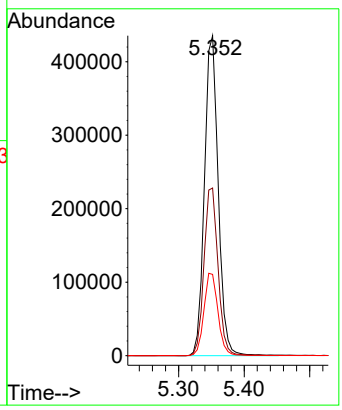


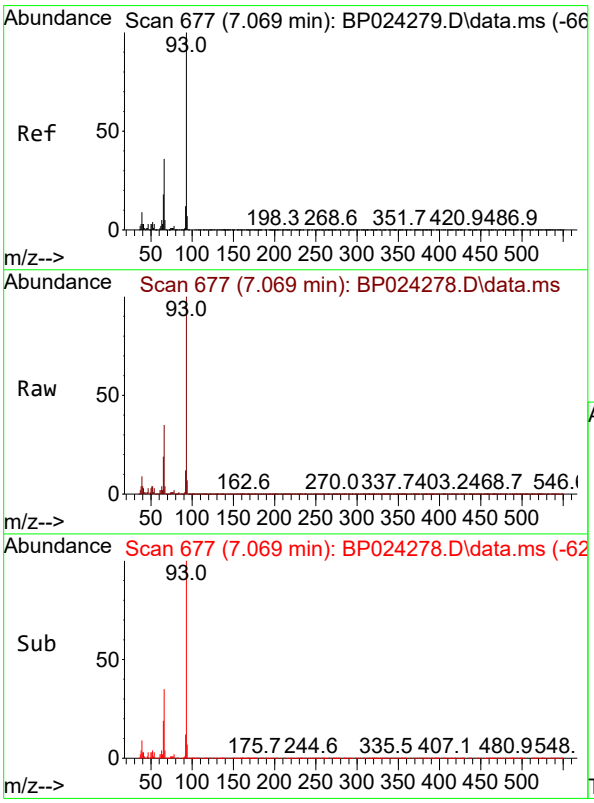
#5
2-Fluorophenol
Concen: 41.668 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 636245

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.1	61.7
63	25.4	20.6	30.8

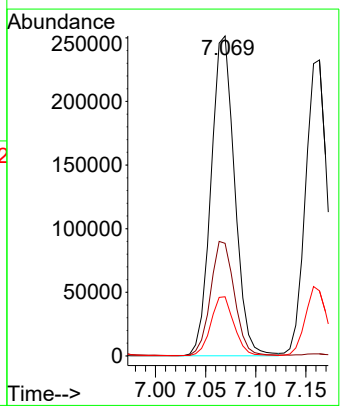


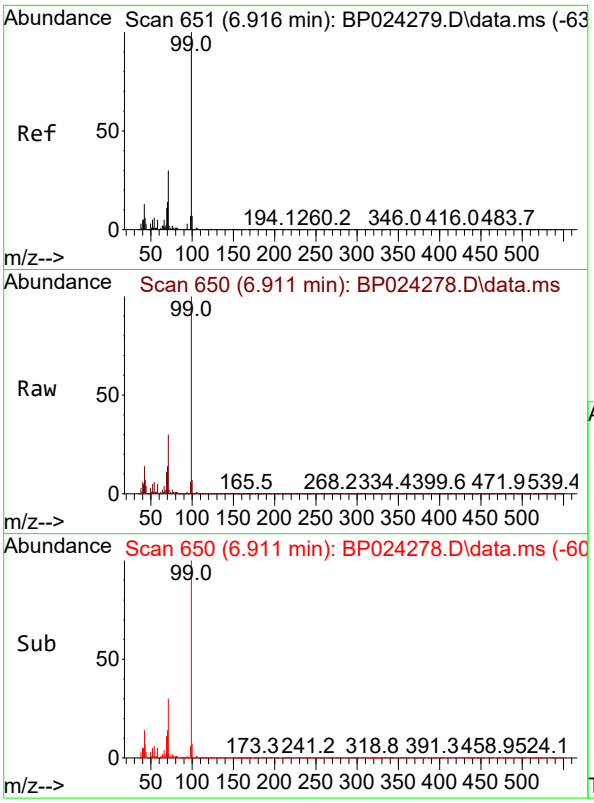


#6
Aniline
Concen: 21.857 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 412168

Ion	Ratio	Lower	Upper
93	100		
66	35.2	29.1	43.7
65	18.5	14.7	22.1



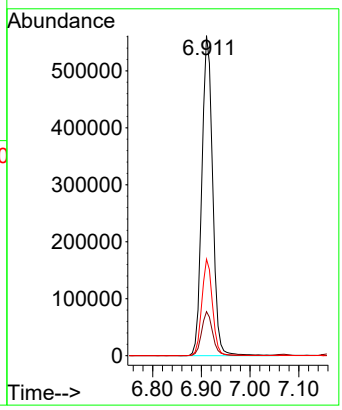


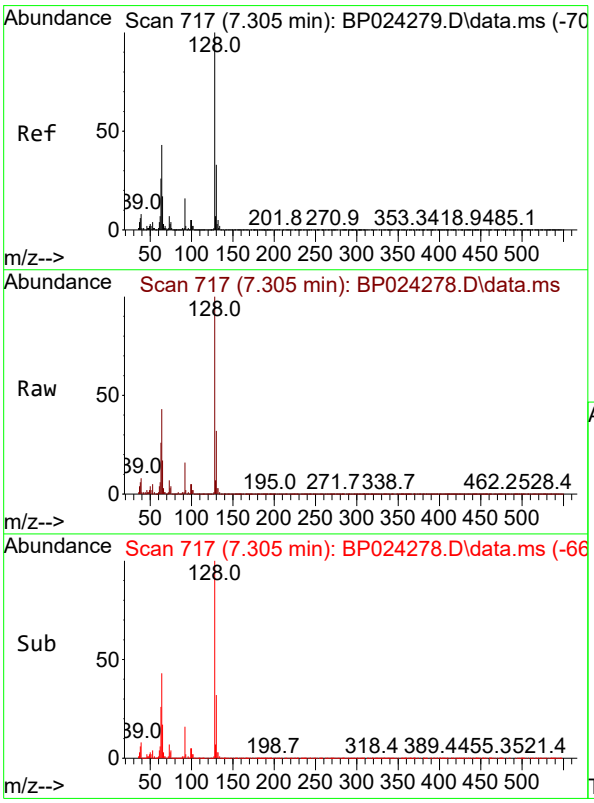
#7
Phenol-d6
Concen: 41.458 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 866004

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.2	23.7	35.5

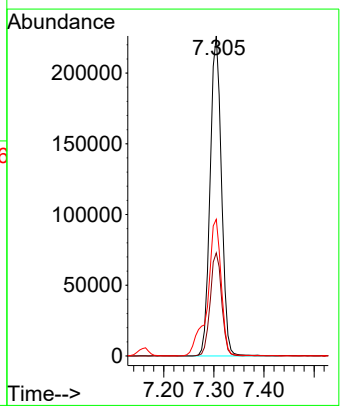


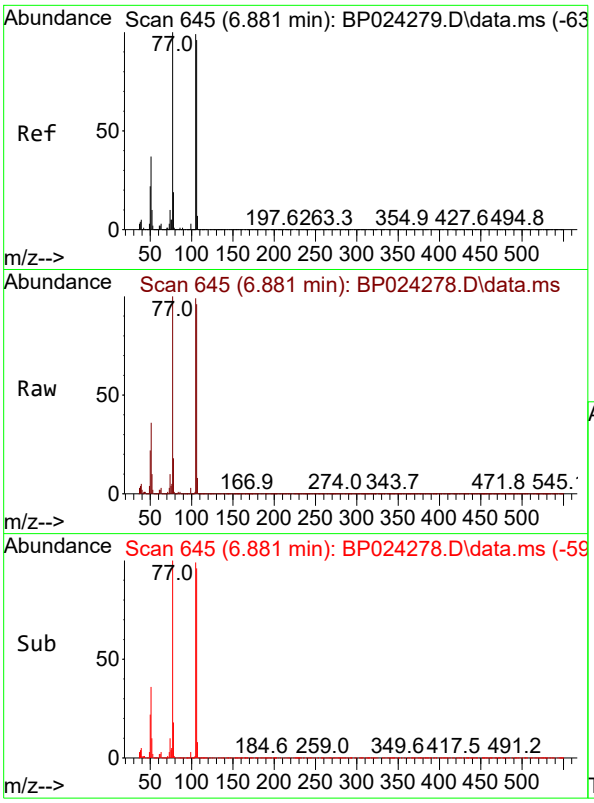


#8
2-Chlorophenol
Concen: 20.852 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:128 Resp: 355815

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	42.7	22.7	62.7



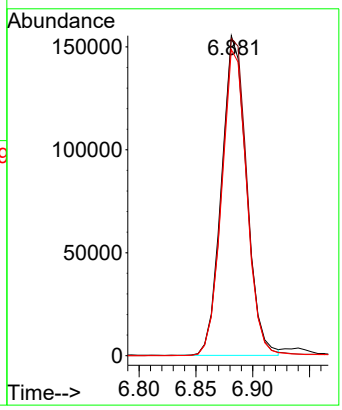


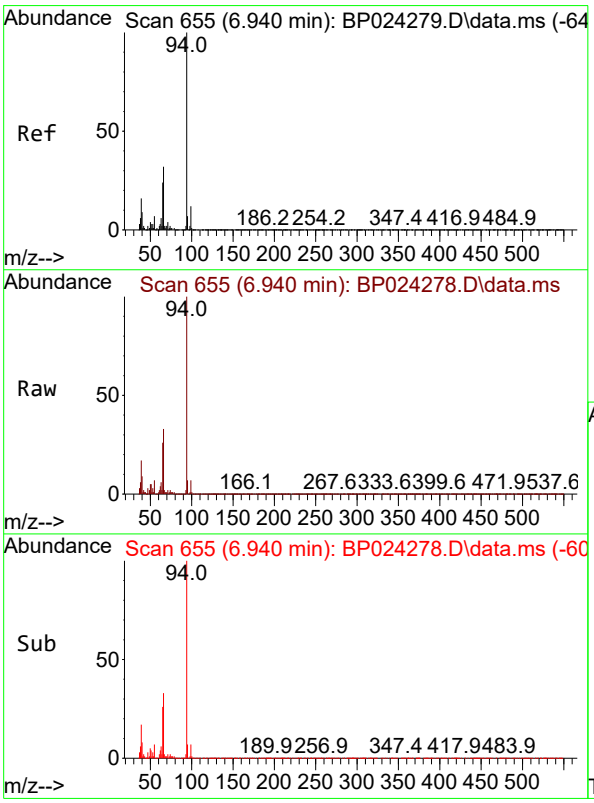
#9
Benzaldehyde
Concen: 21.940 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 237371

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.2	119.2
106	95.6	76.2	116.2

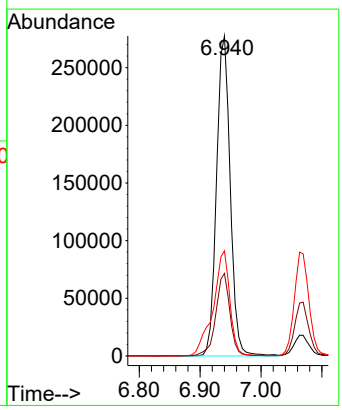


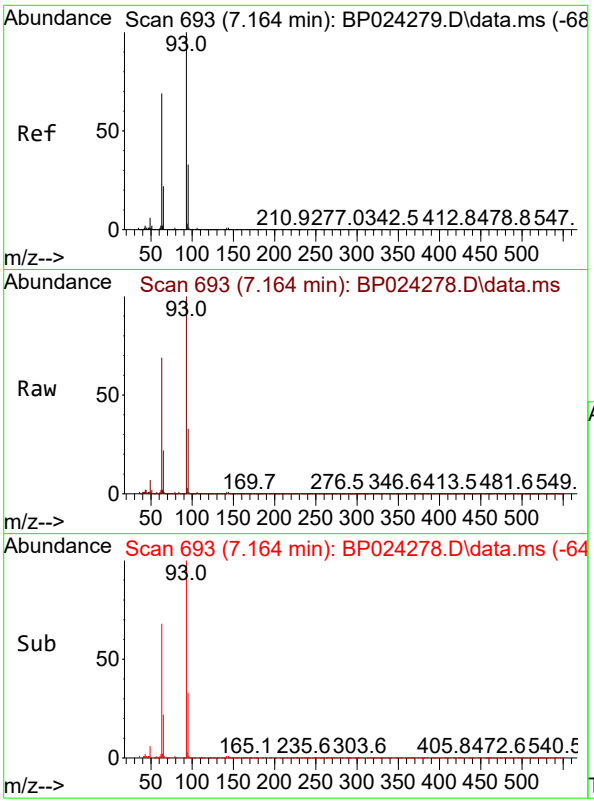


#10
Phenol
Concen: 20.670 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 94 Resp: 433531

Ion	Ratio	Lower	Upper
94	100		
65	25.8	4.5	44.5
66	32.8	12.4	52.4



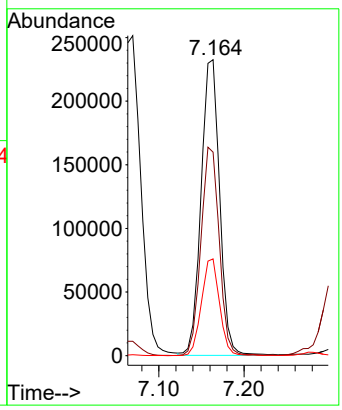


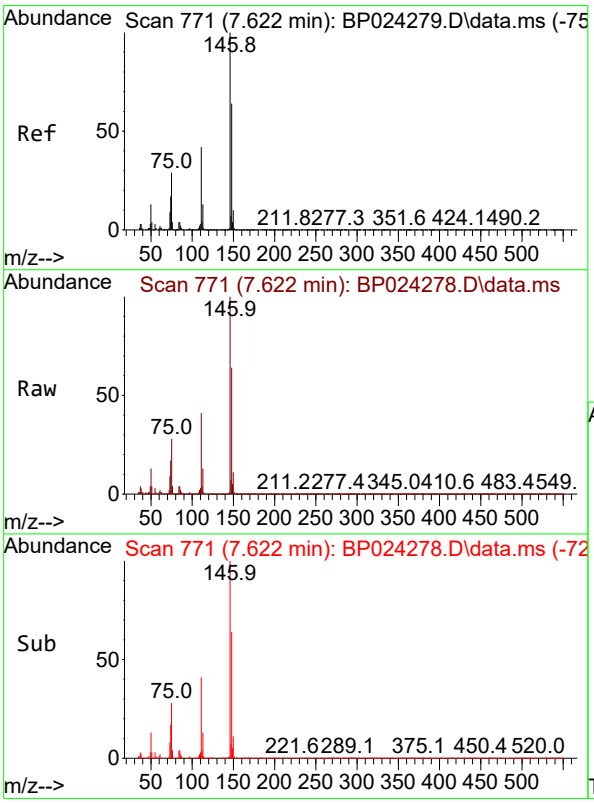
#11
bis(2-Chloroethyl)ether
Concen: 20.800 ng
RT: 7.164 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 352530

Ion	Ratio	Lower	Upper
93	100		
63	68.7	48.6	88.6
95	32.7	12.3	52.3

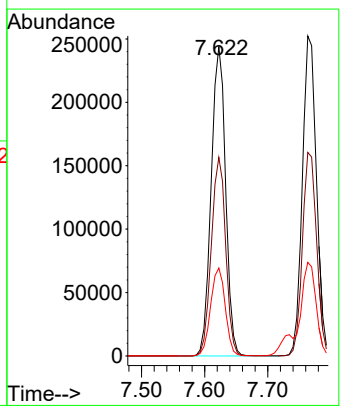


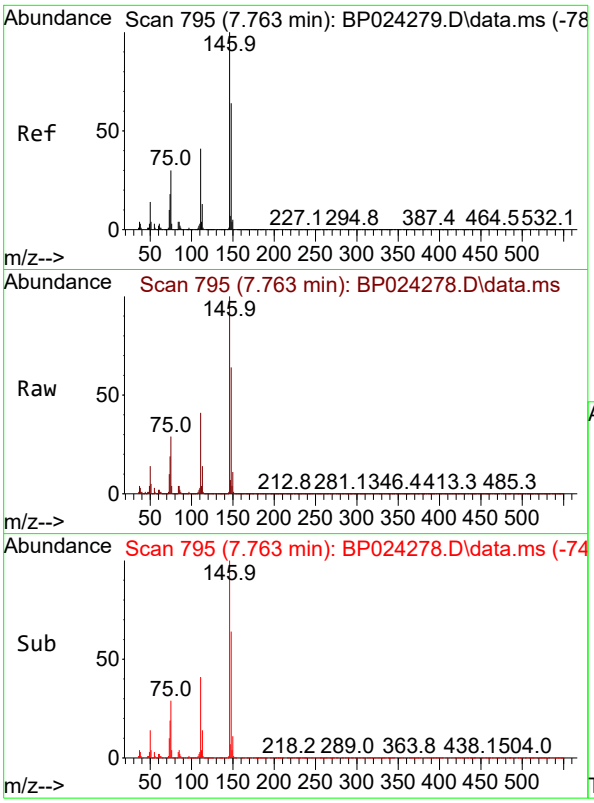


#12
1,3-Dichlorobenzene
Concen: 20.903 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 386470

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.4	22.9	34.3



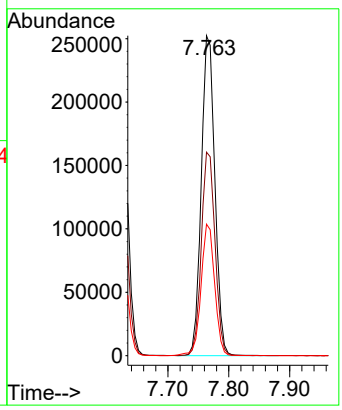


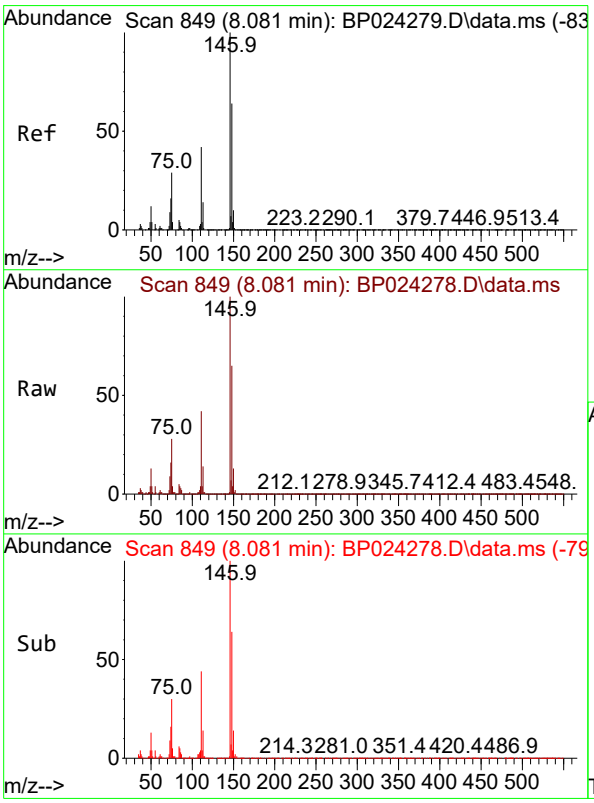
#13
1,4-Dichlorobenzene
Concen: 20.828 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 390483

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.1	76.7
111	41.1	32.6	48.8

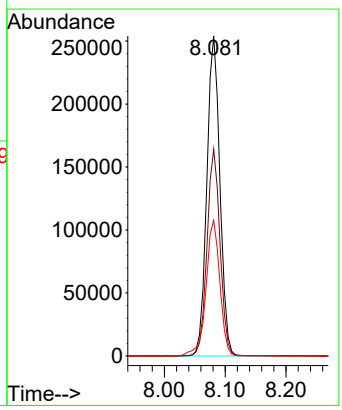


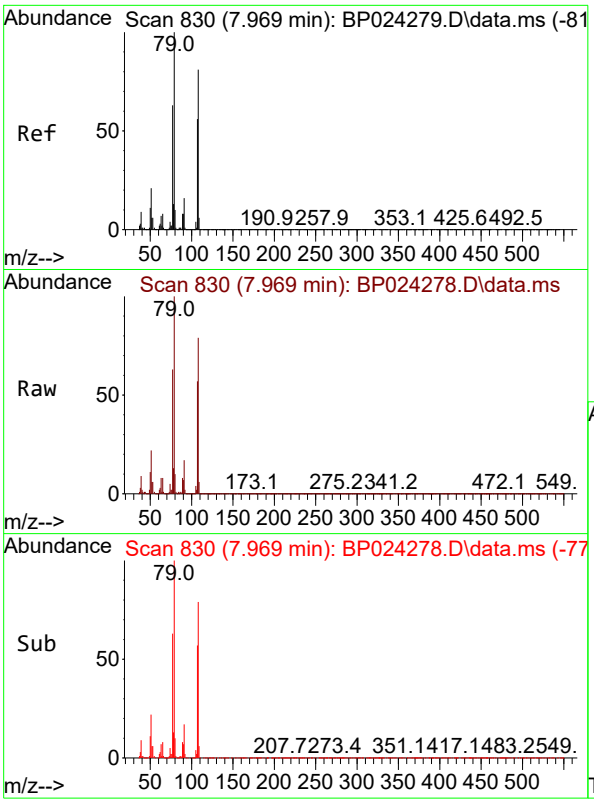


#14
1,2-Dichlorobenzene
Concen: 20.880 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 378518

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
111	42.3	33.8	50.8



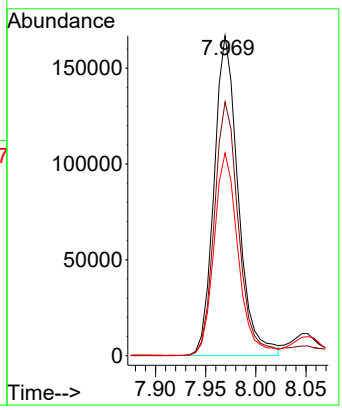


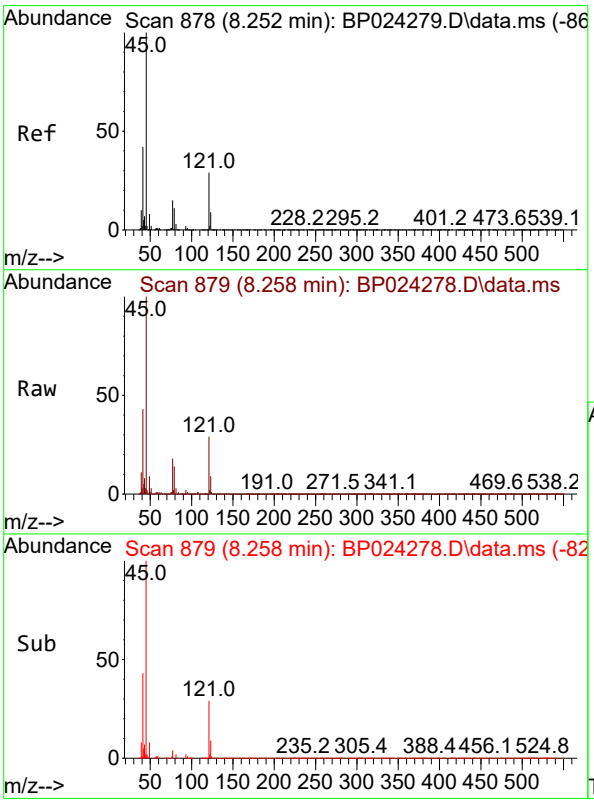
#15
Benzyl Alcohol
Concen: 20.809 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 278608

Ion	Ratio	Lower	Upper
79	100		
108	79.3	65.1	97.7
77	63.4	50.7	76.1

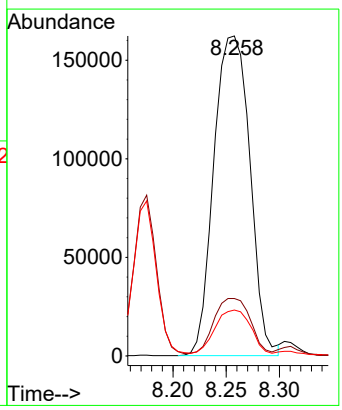


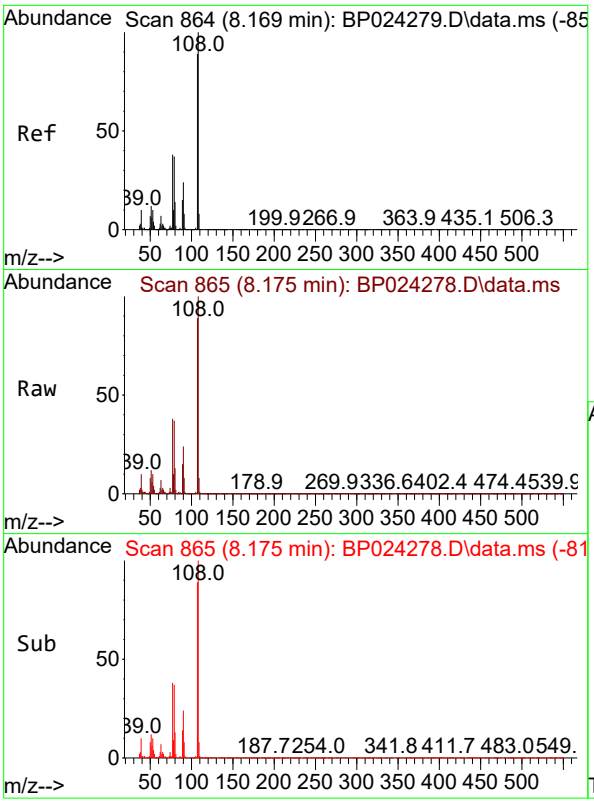


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.734 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 45 Resp: 382308

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	37.7
79	14.4	0.0	33.5



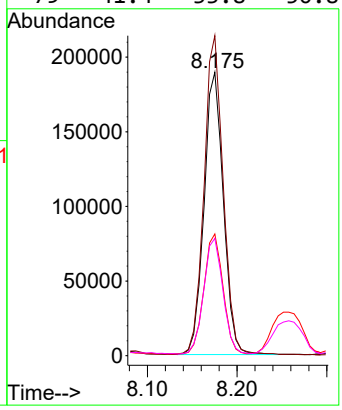


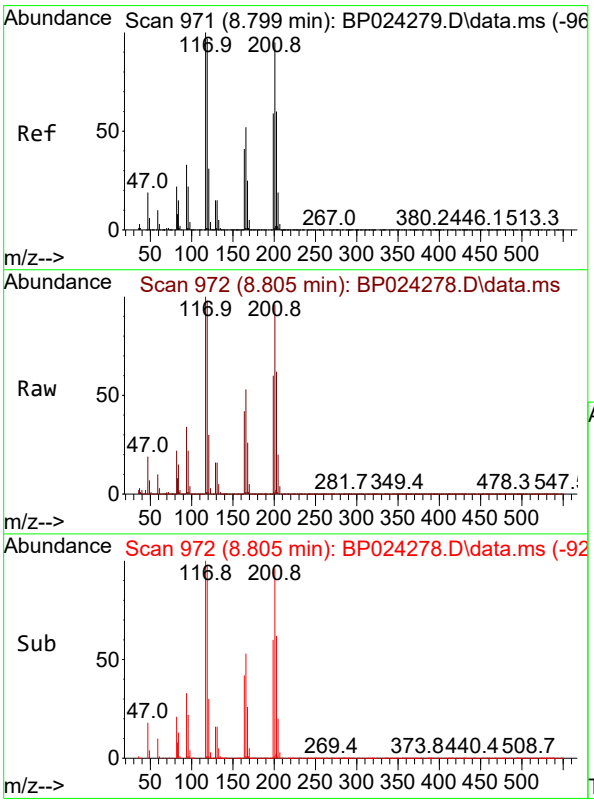
#17
2-Methylphenol
Concen: 20.942 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 283057

Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.8	134.6
77	43.0	34.2	51.4
79	41.4	33.8	50.8

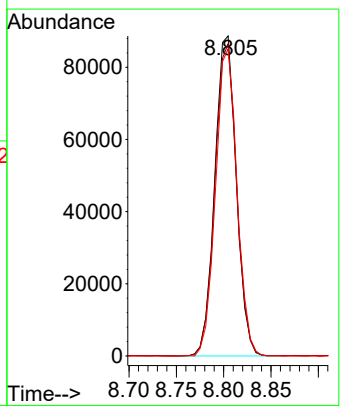


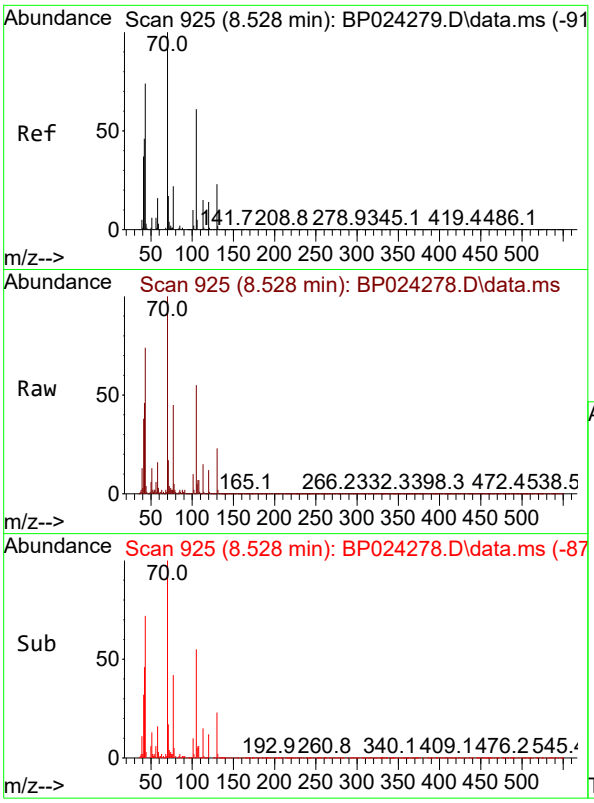


#18
Hexachloroethane
Concen: 20.773 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:117 Resp: 140558

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.6
201	96.0	75.9	113.9



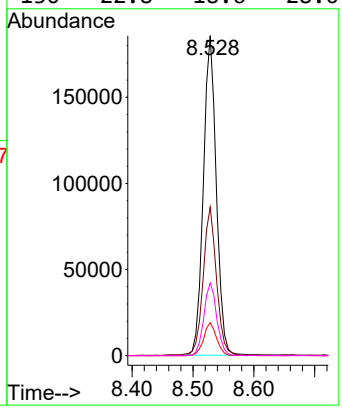


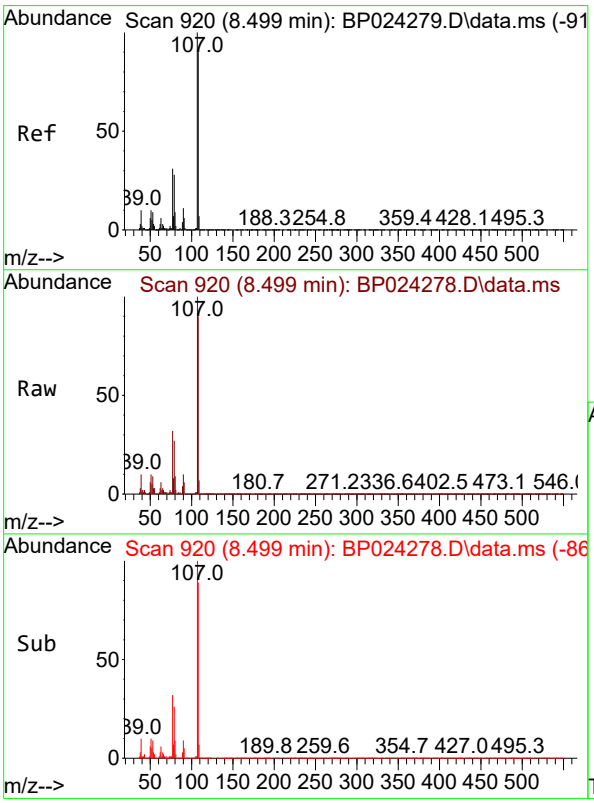
#19
n-Nitroso-di-n-propylamine
Concen: 21.127 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 274118

Ion	Ratio	Lower	Upper
70	100		
42	46.5	37.3	55.9
101	10.3	8.2	12.4
130	22.8	18.6	28.0

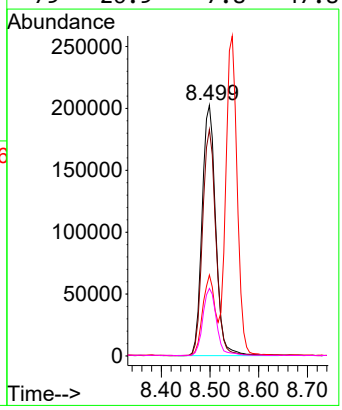


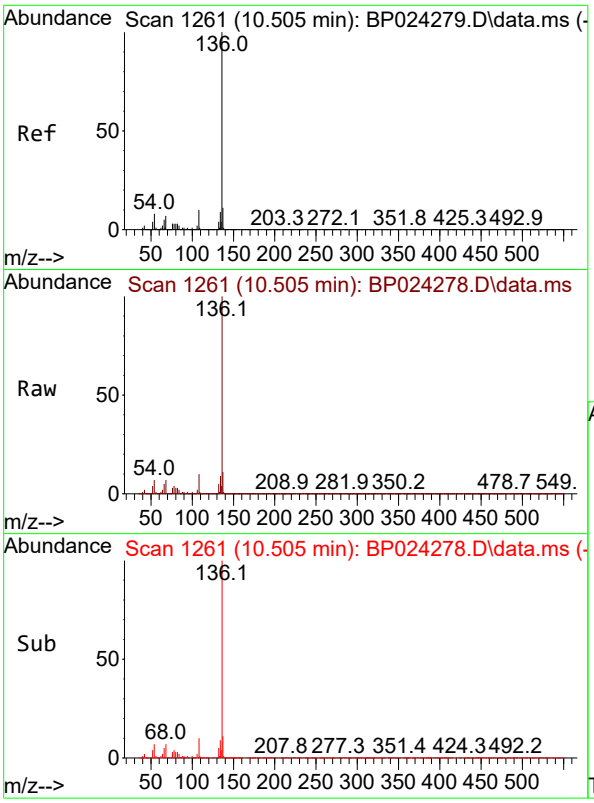


#20
3+4-Methylphenols
Concen: 20.999 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 393131

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.8	109.8
77	32.3	11.5	51.5
79	26.9	7.8	47.8



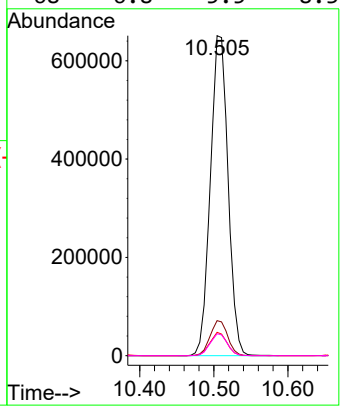


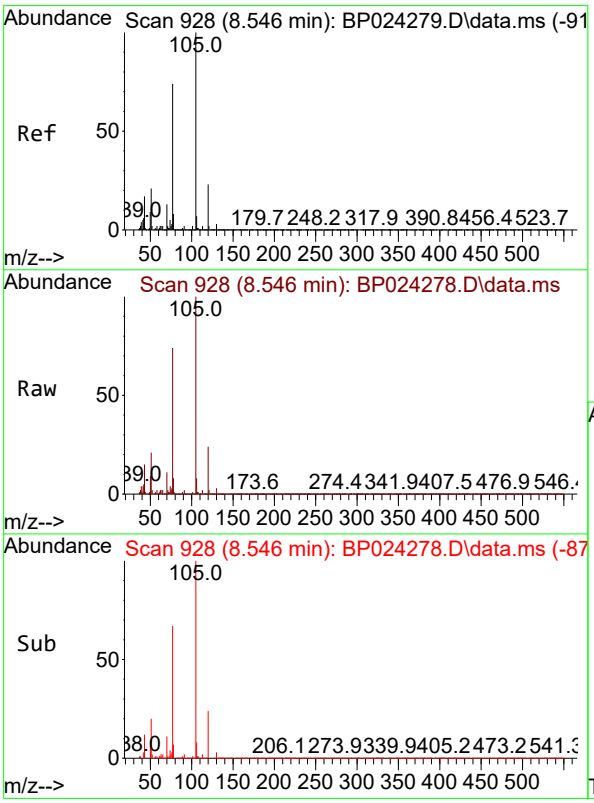
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1081087

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.3	6.0	9.0
68	6.8	5.5	8.3

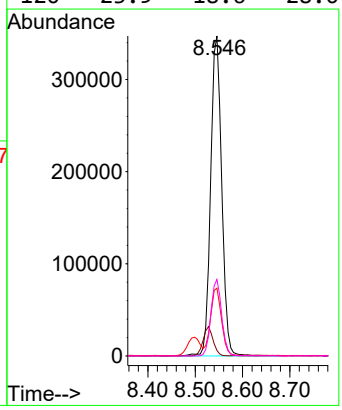


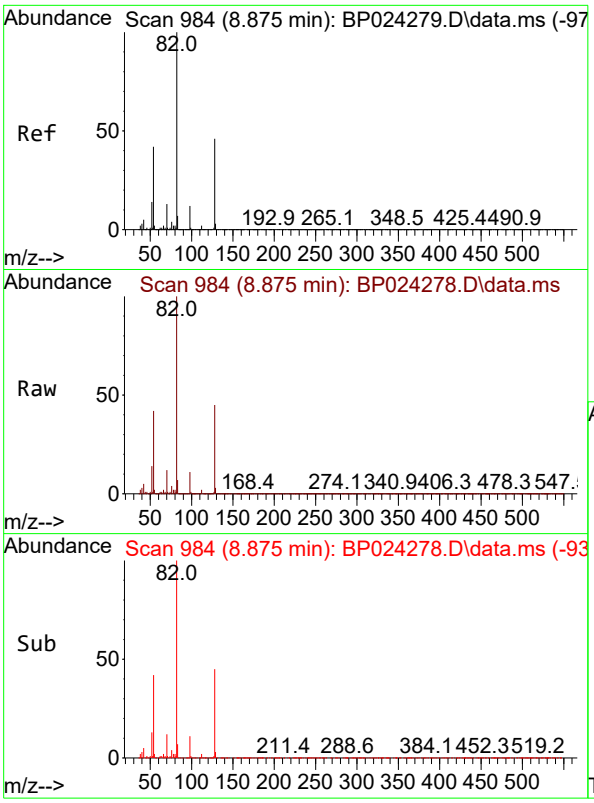


#22
Acetophenone
Concen: 20.991 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:105 Resp: 563994

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.7	2.5
51	21.2	16.9	25.3
120	23.9	18.6	28.0



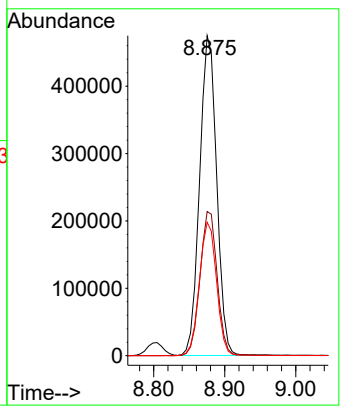


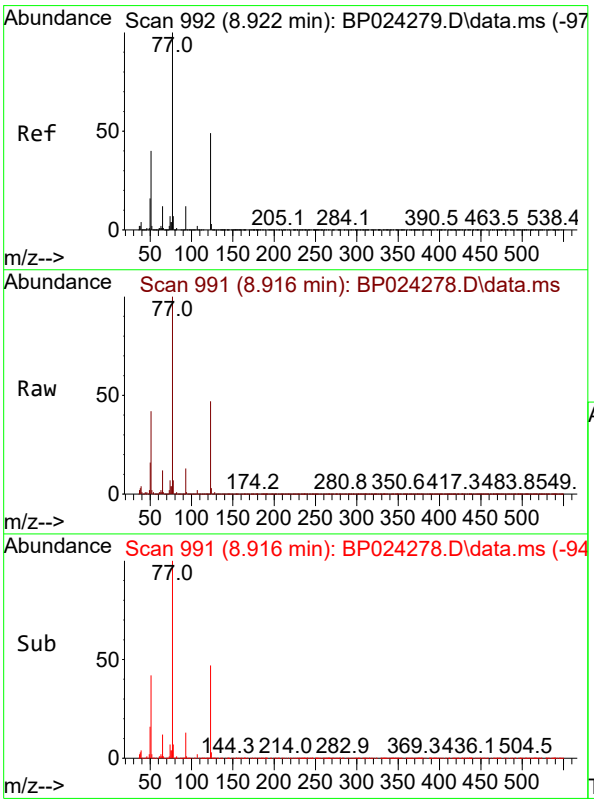
#23
Nitrobenzene-d5
Concen: 41.839 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 794485

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.5	54.7
54	41.7	33.4	50.2

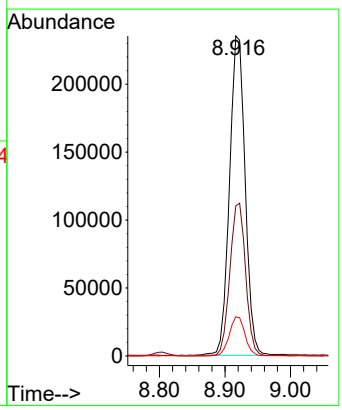


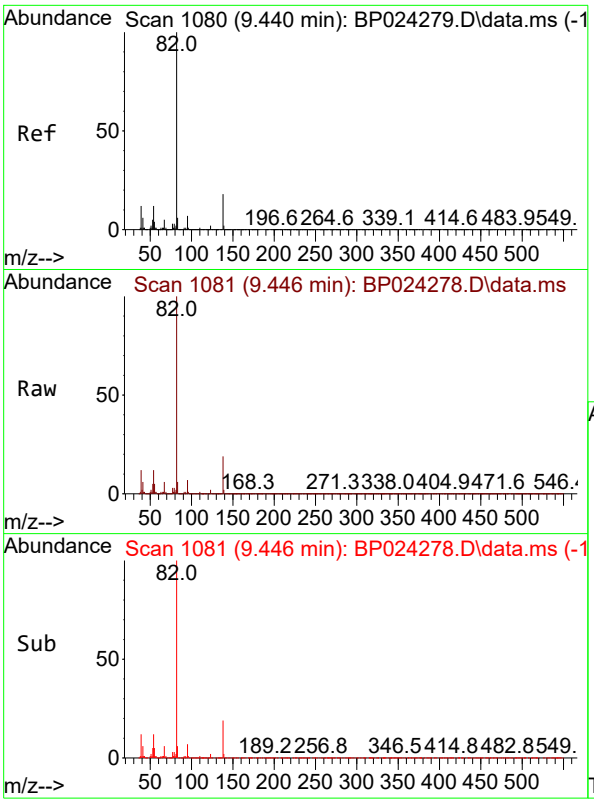


#24
Nitrobenzene
Concen: 20.770 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 77 Resp: 390911

Ion	Ratio	Lower	Upper
77	100		
123	46.9	39.2	58.8
65	12.3	9.8	14.6



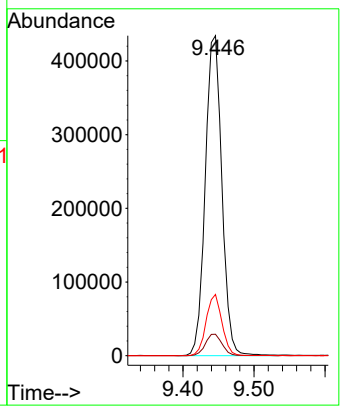


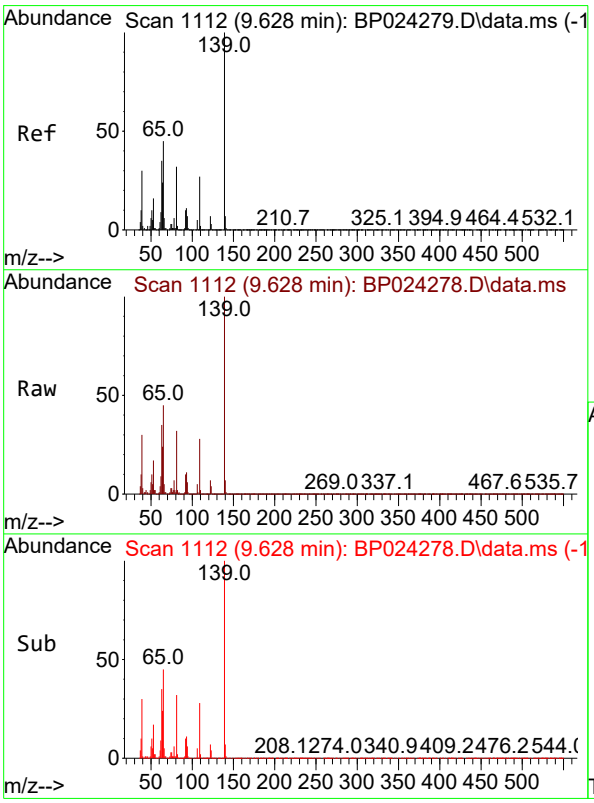
#25
Isophorone
Concen: 20.588 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 705771

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.2	14.4	21.6

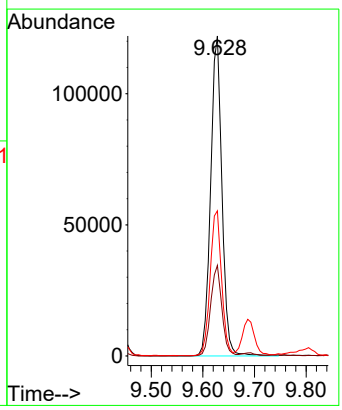


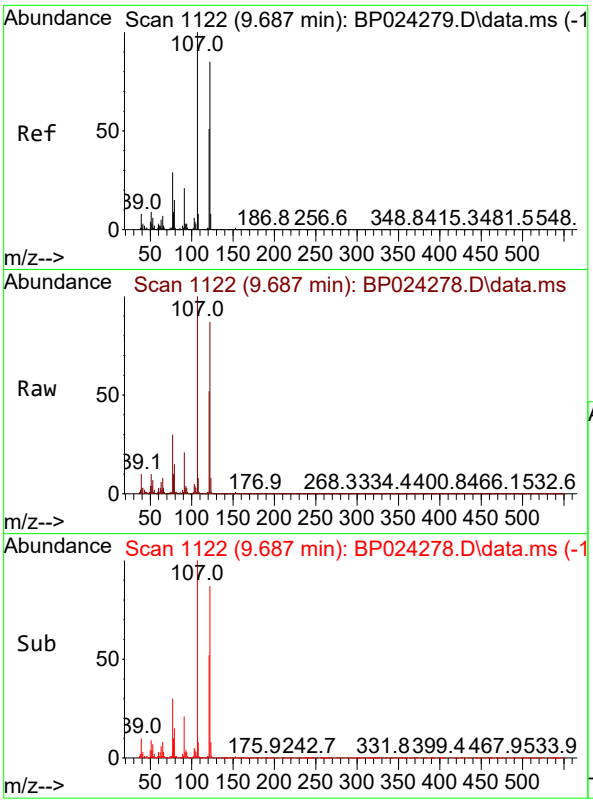


#26
2-Nitrophenol
Concen: 20.553 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 185740

Ion	Ratio	Lower	Upper
139	100		
109	28.3	21.8	32.6
65	45.4	36.2	54.2



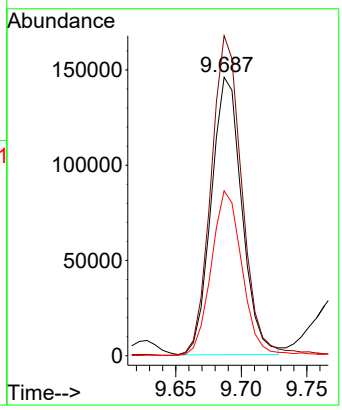


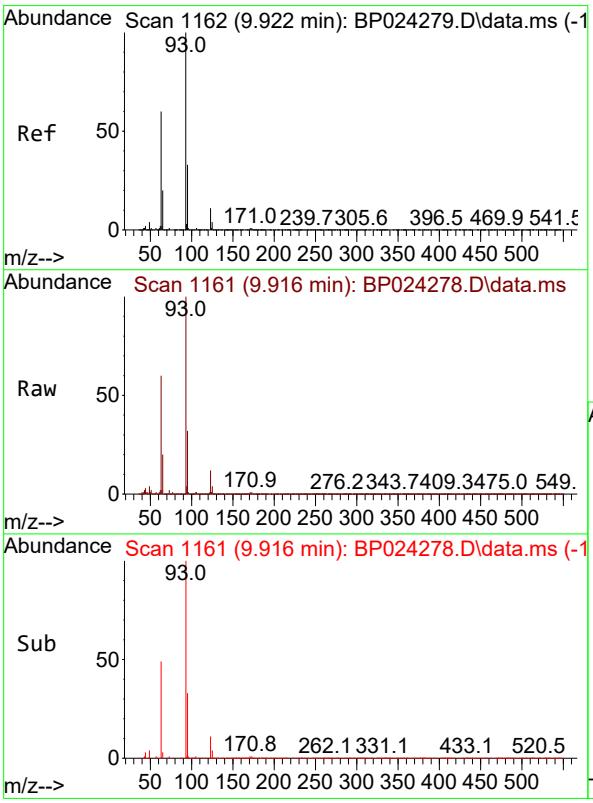
#27
2,4-Dimethylphenol
Concen: 20.643 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 236436

Ion	Ratio	Lower	Upper
122	100		
107	114.9	93.7	140.5
121	59.2	48.2	72.2

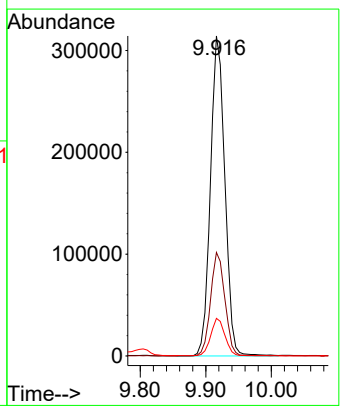


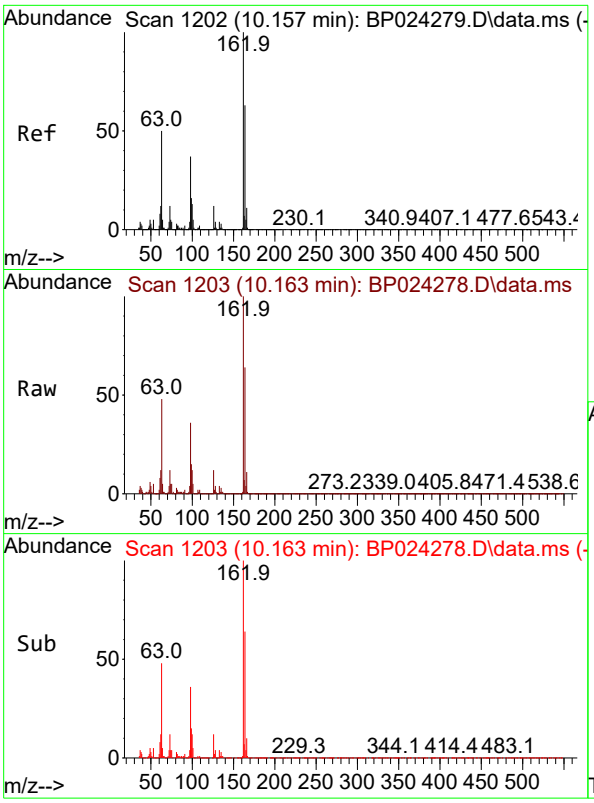


#28
bis(2-Chloroethoxy)methane
Concen: 20.575 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 480036

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.8	9.1	13.7



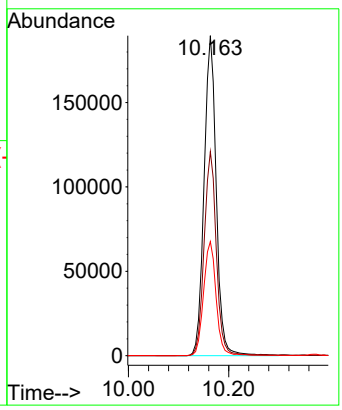


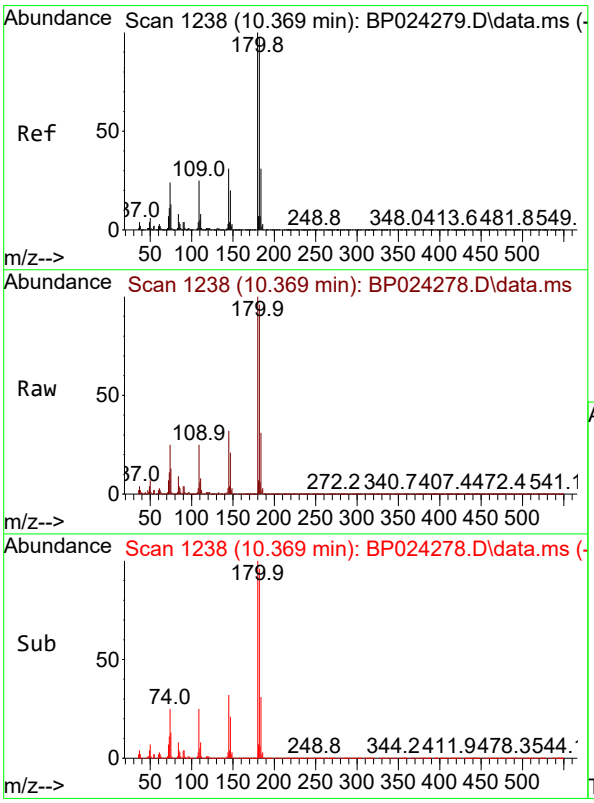
#29
2,4-Dichlorophenol
Concen: 20.536 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 320579

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	35.6	16.6	56.6

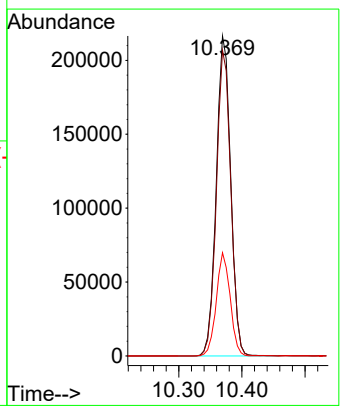


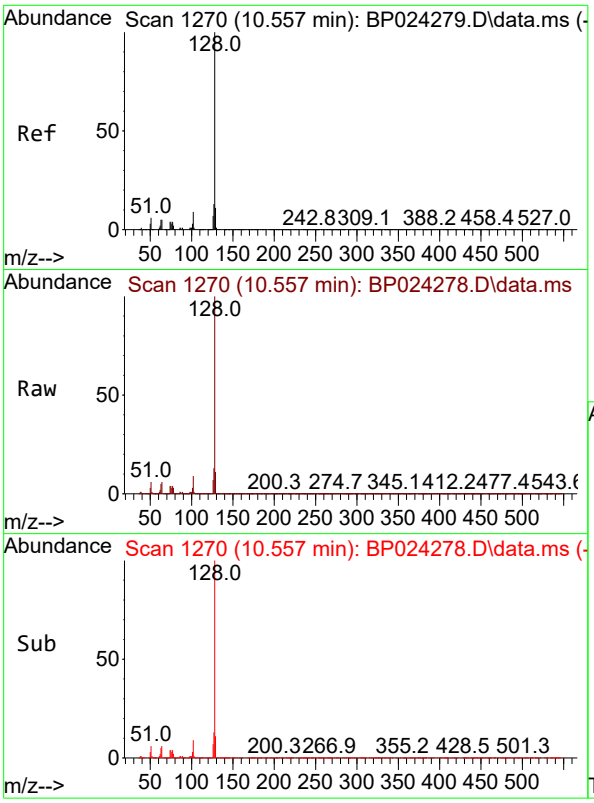


#30
1,2,4-Trichlorobenzene
Concen: 20.348 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:180 Resp: 343641

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	32.3	25.1	37.7



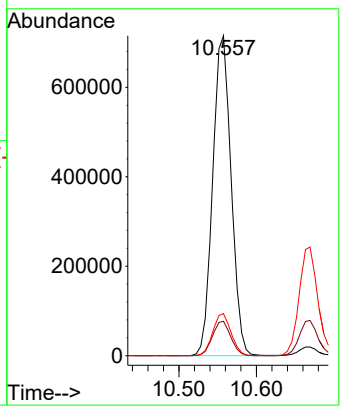


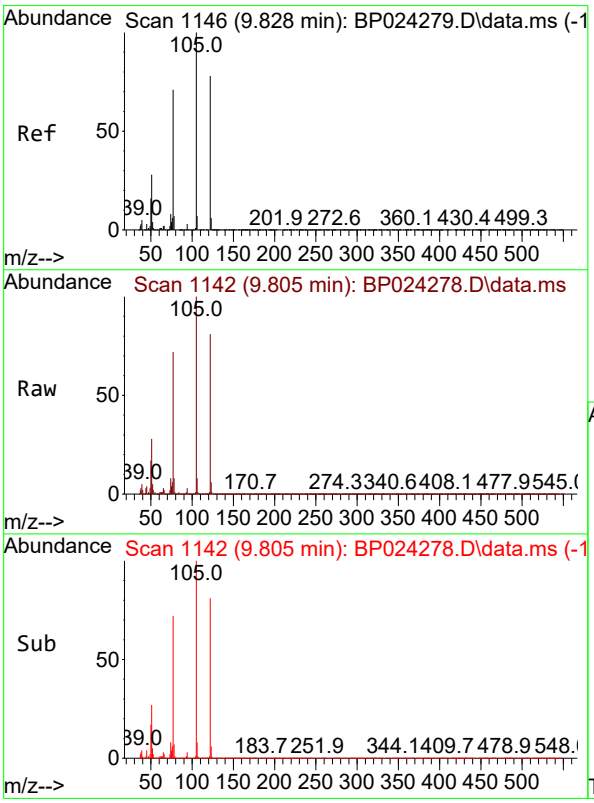
#31
Naphthalene
Concen: 20.618 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1179848

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

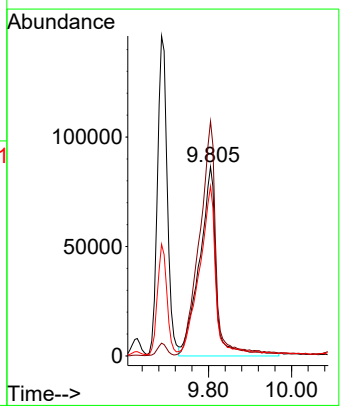


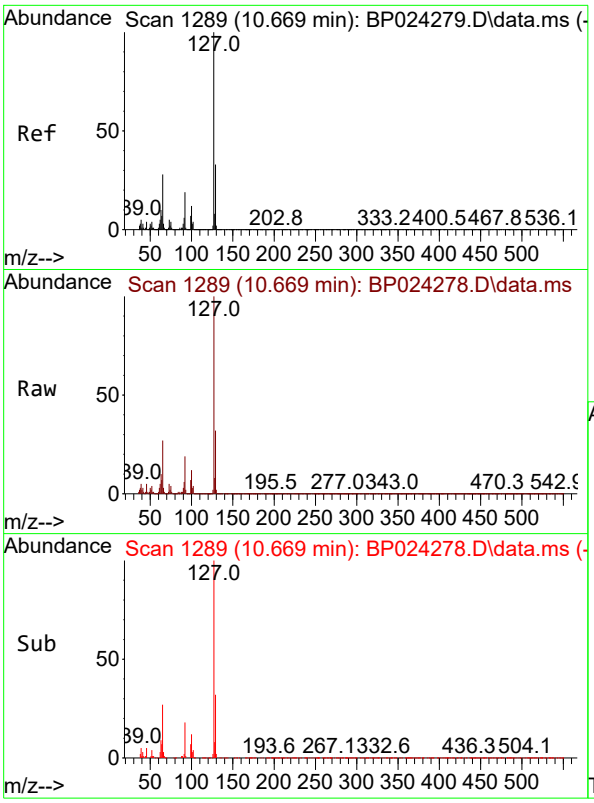


#32
Benzoic acid
Concen: 19.731 ng m
RT: 9.805 min Scan# 1142
Delta R.T. -0.024 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:122 Resp: 244213

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.8	144.8
77	89.8	69.2	109.2



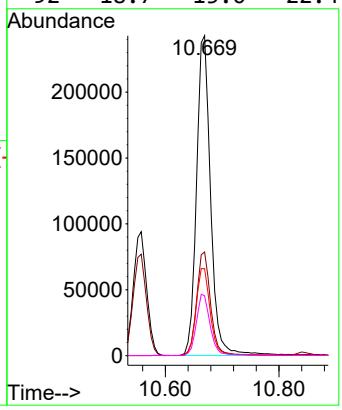


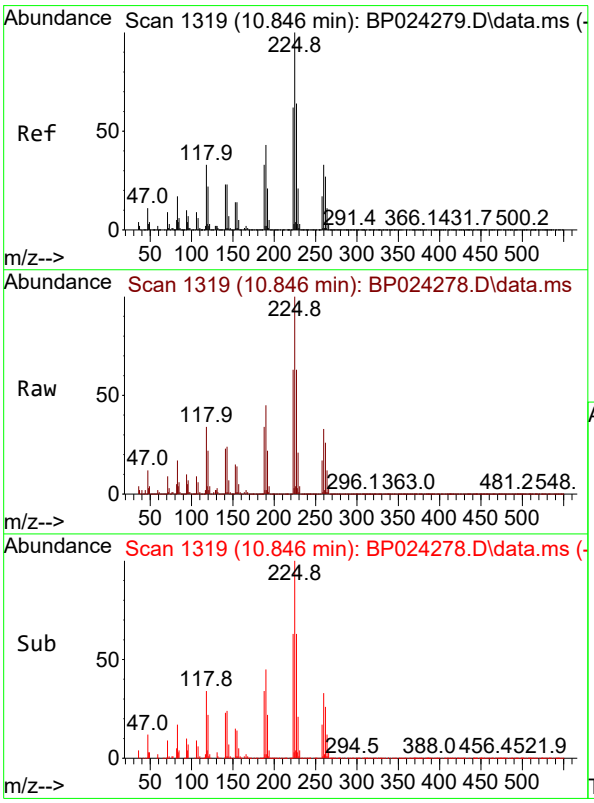
#33
4-Chloroaniline
Concen: 21.010 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420086

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.7	15.0	22.4

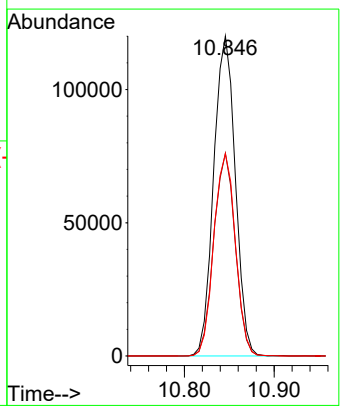


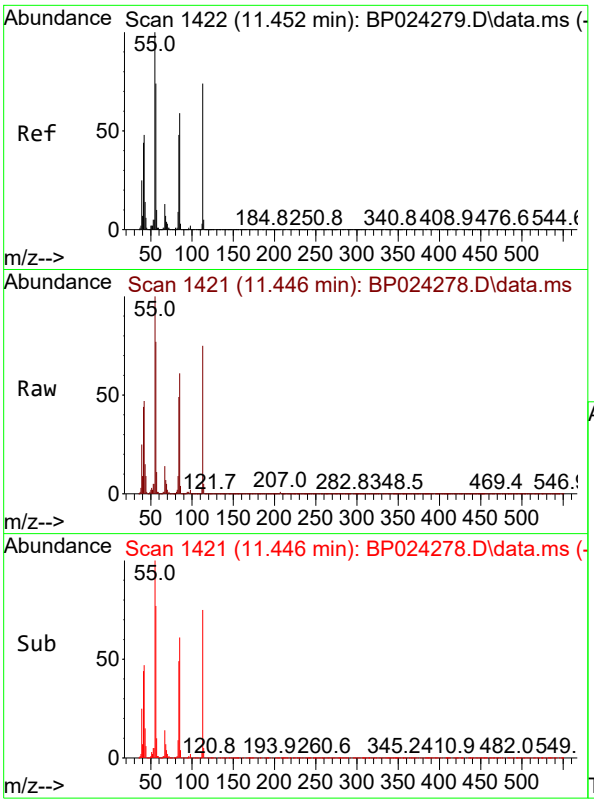


#34
Hexachlorobutadiene
Concen: 20.267 ng
RT: 10.846 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:225 Resp: 200785

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.5	74.3
227	63.3	50.9	76.3



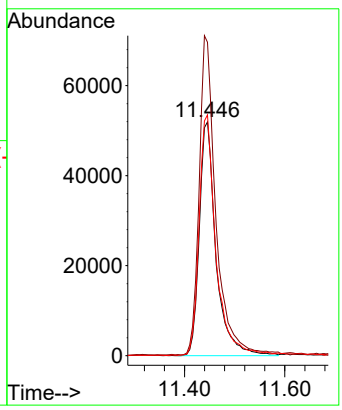


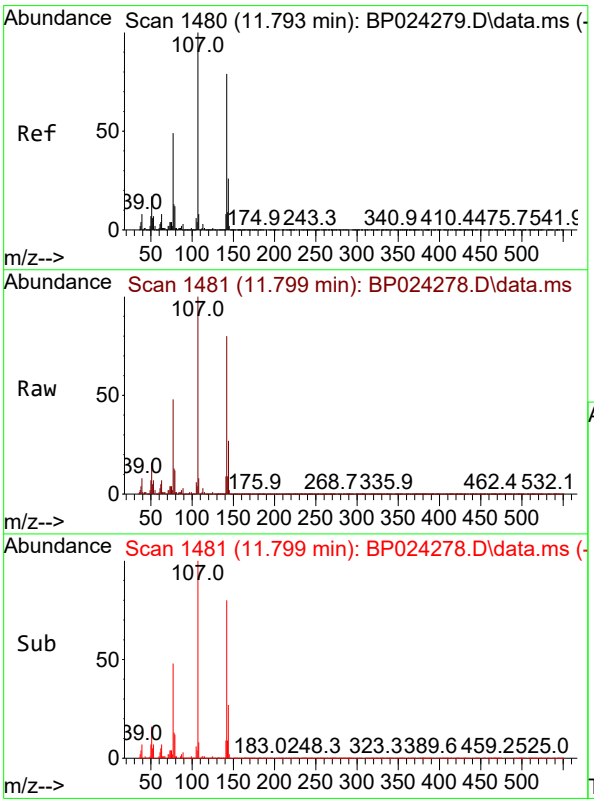
#35
Caprolactam
Concen: 20.922 ng
RT: 11.446 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 119912

Ion	Ratio	Lower	Upper
113	100		
55	134.1	115.9	155.9
56	103.0	81.1	121.1

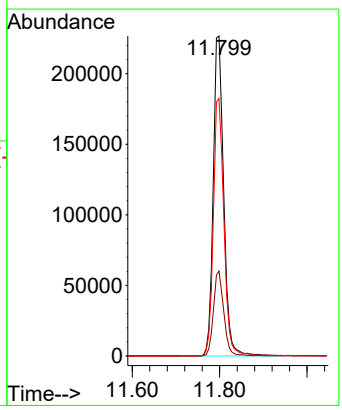


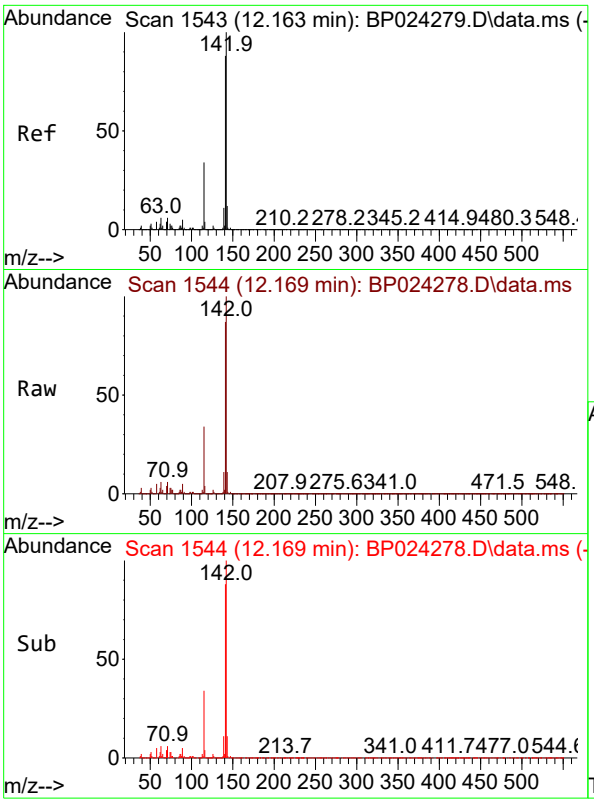


#36
4-Chloro-3-methylphenol
Concen: 20.767 ng
RT: 11.799 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 377768

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.5	30.7
142	80.4	63.4	95.2



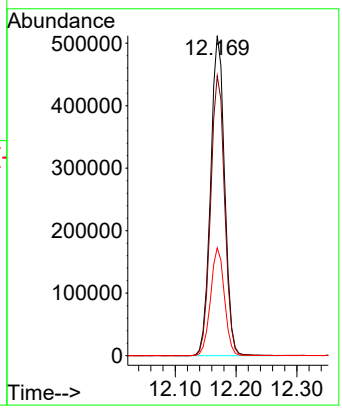


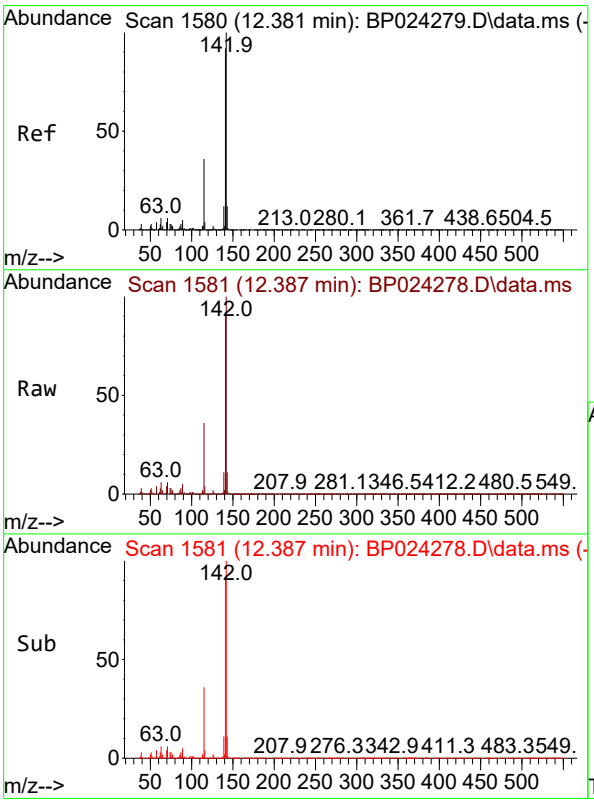
#37
2-Methylnaphthalene
Concen: 20.583 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 816314

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	33.7	26.9	40.3

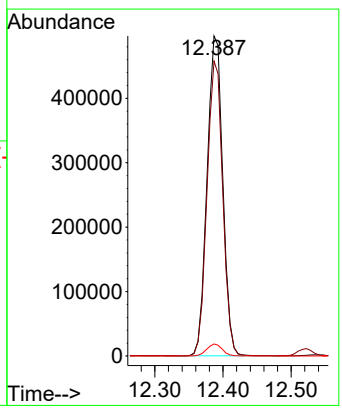


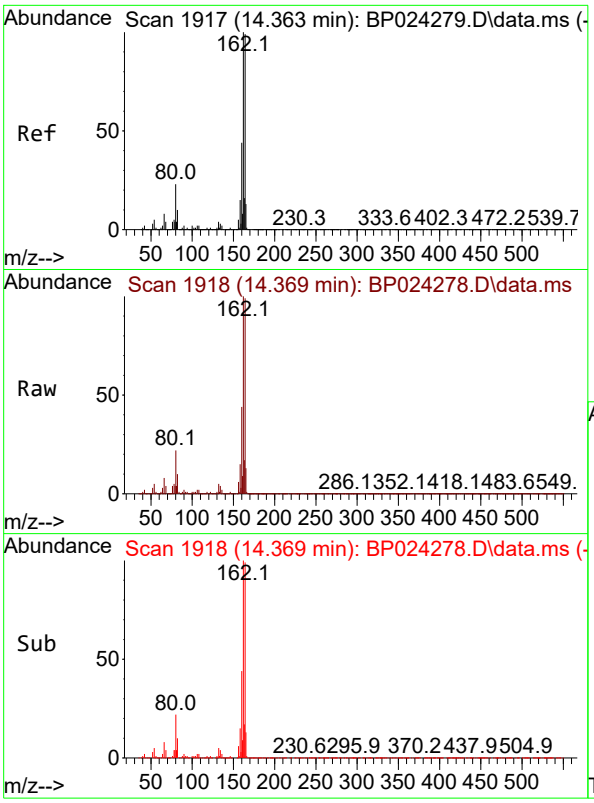


#38
1-Methylnaphthalene
Concen: 20.503 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:142 Resp: 796550

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.6	110.4
116	3.8	3.0	4.6



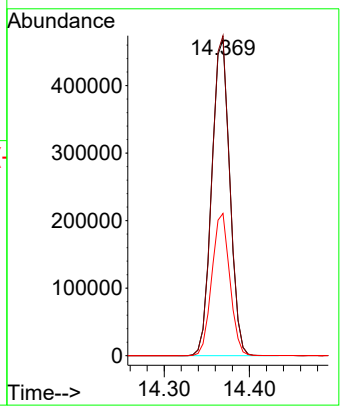


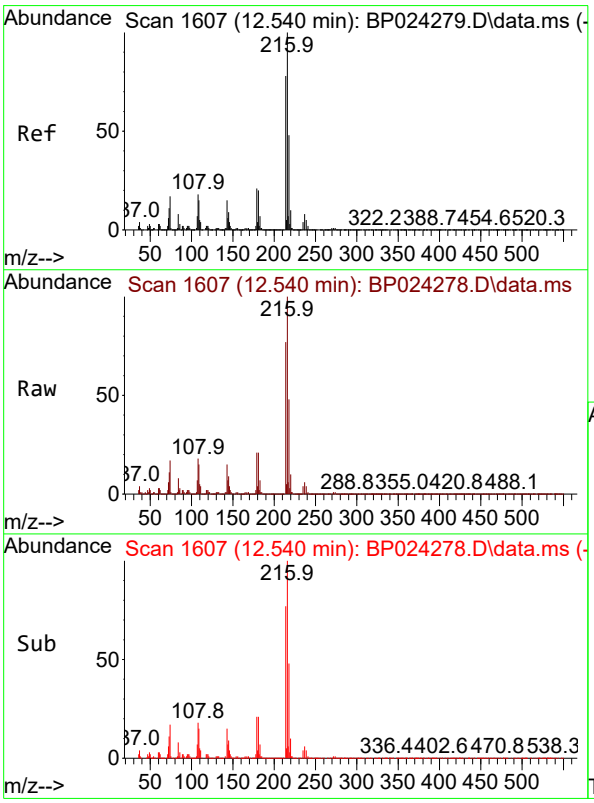
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 688775

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.0	35.3	52.9

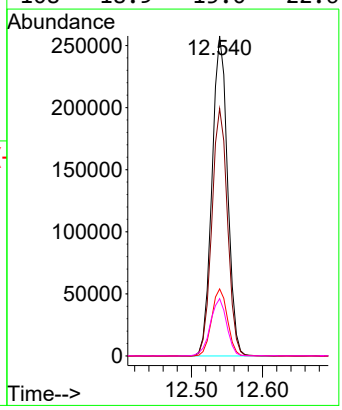


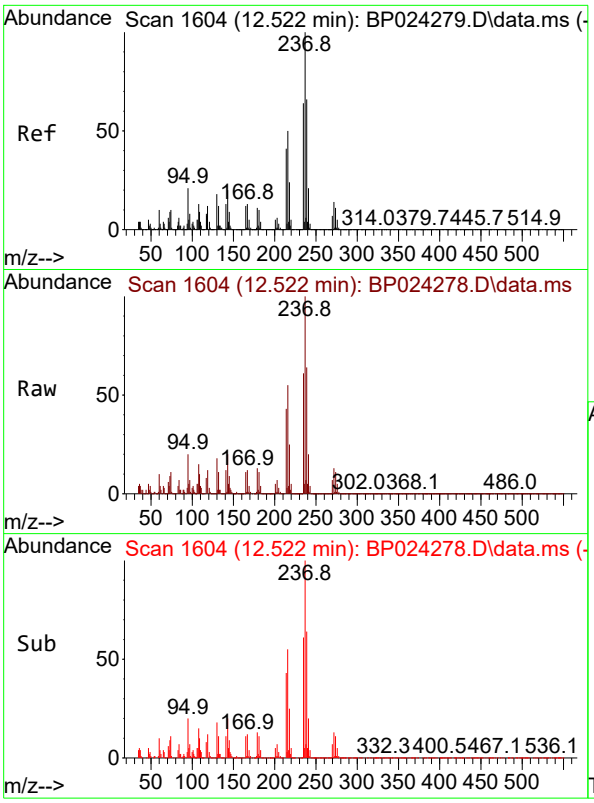


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.669 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:216 Resp: 391241

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.6	93.8
179	21.2	17.2	25.8
108	18.9	15.0	22.6



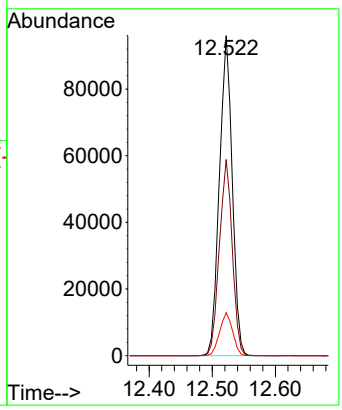


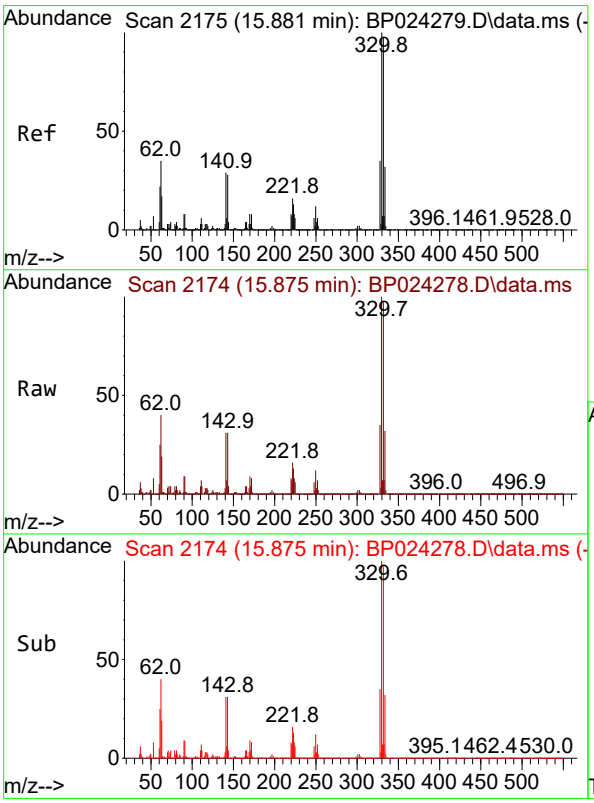
#41
Hexachlorocyclopentadiene
Concen: 20.414 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 135654

Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.9	83.9
272	13.5	0.0	33.6

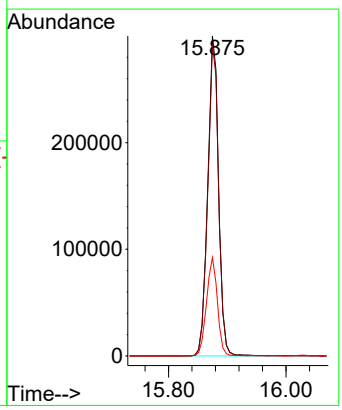


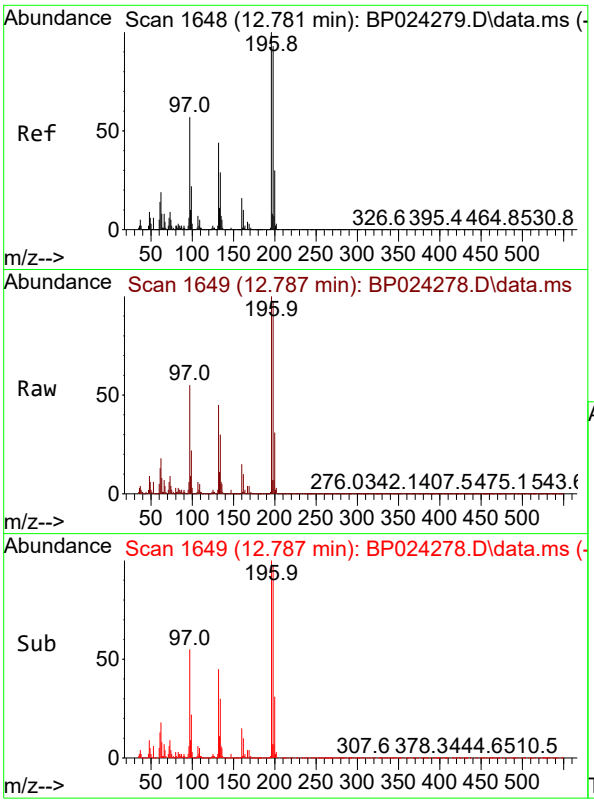


#42
2,4,6-Tribromophenol
Concen: 40.617 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:330 Resp: 383088

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	30.9	24.7	37.1



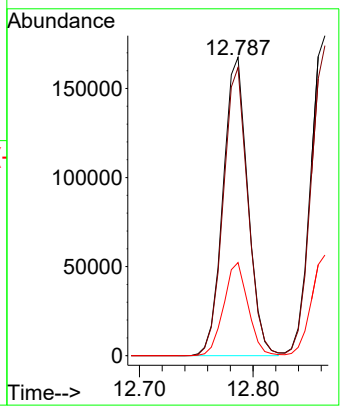


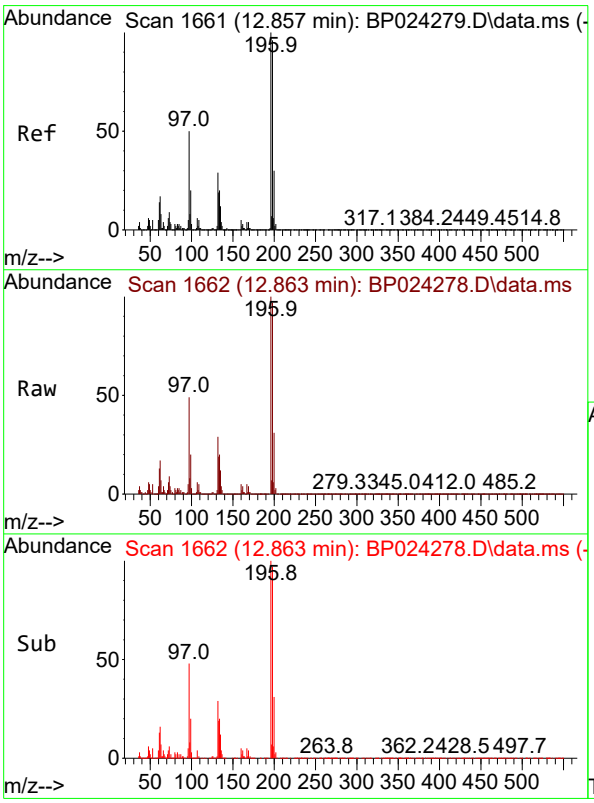
#43
2,4,6-Trichlorophenol
Concen: 20.410 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 254189

Ion	Ratio	Lower	Upper
196	100		
198	96.6	74.3	111.5
200	31.2	24.0	36.0

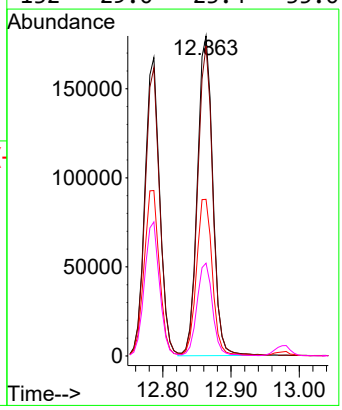


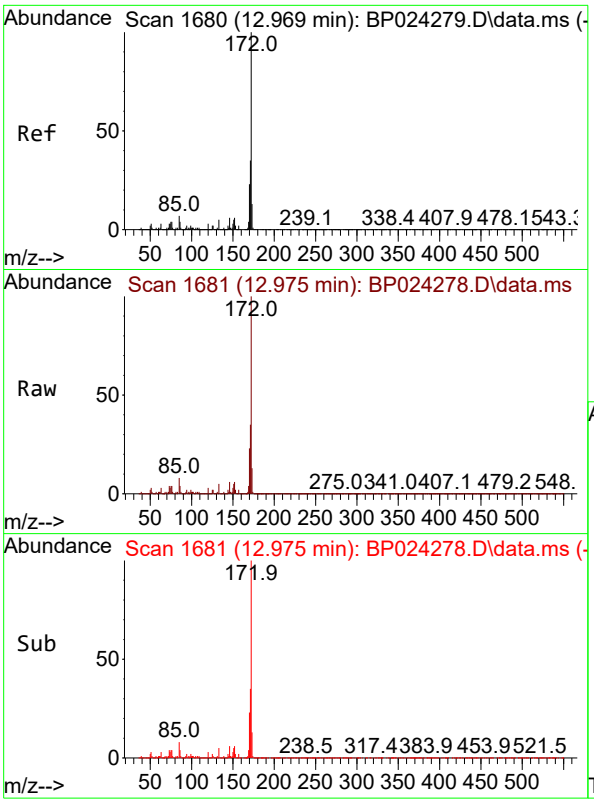


#44
2,4,5-Trichlorophenol
Concen: 20.424 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:196 Resp: 281887

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.3	115.9
97	48.9	40.4	60.6
132	29.0	23.4	35.0



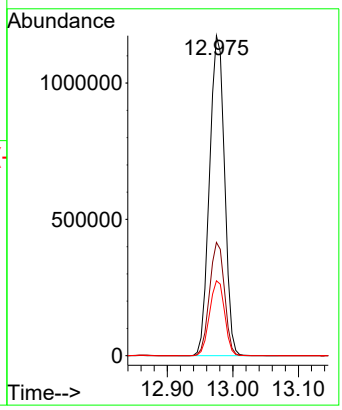


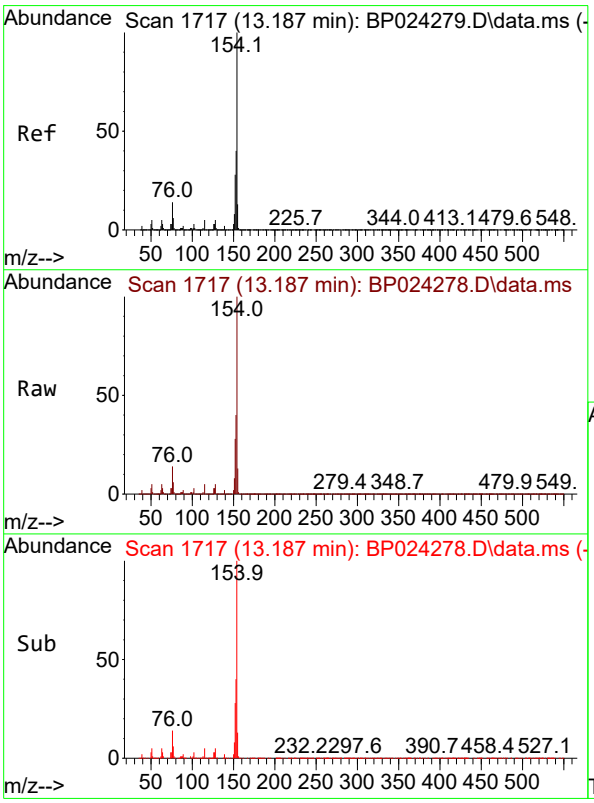
#45
2-Fluorobiphenyl
Concen: 41.254 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1871534

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.4	18.6	27.8

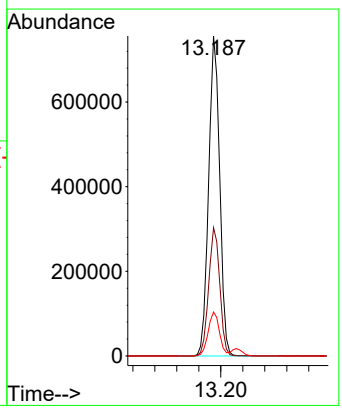


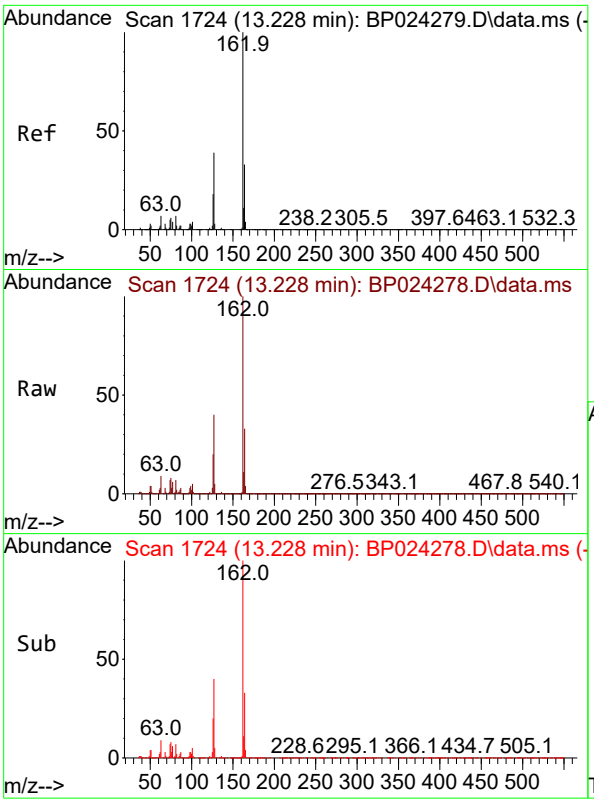


#46
1,1'-Biphenyl
Concen: 20.694 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 1052618

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	13.7	0.0	33.5



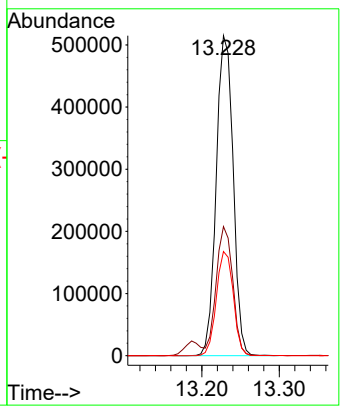


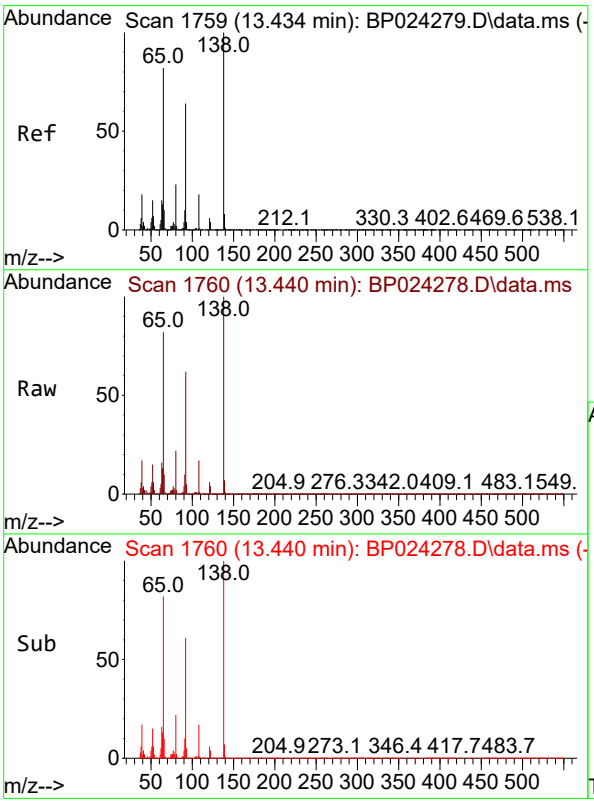
#47
2-Chloronaphthalene
Concen: 20.603 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 782040

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.6	26.2	39.4

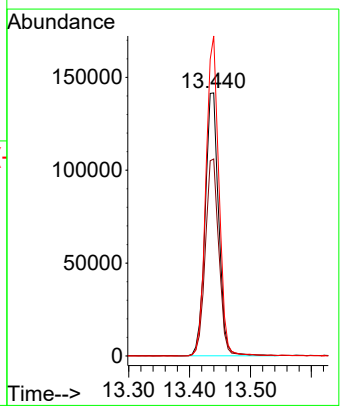


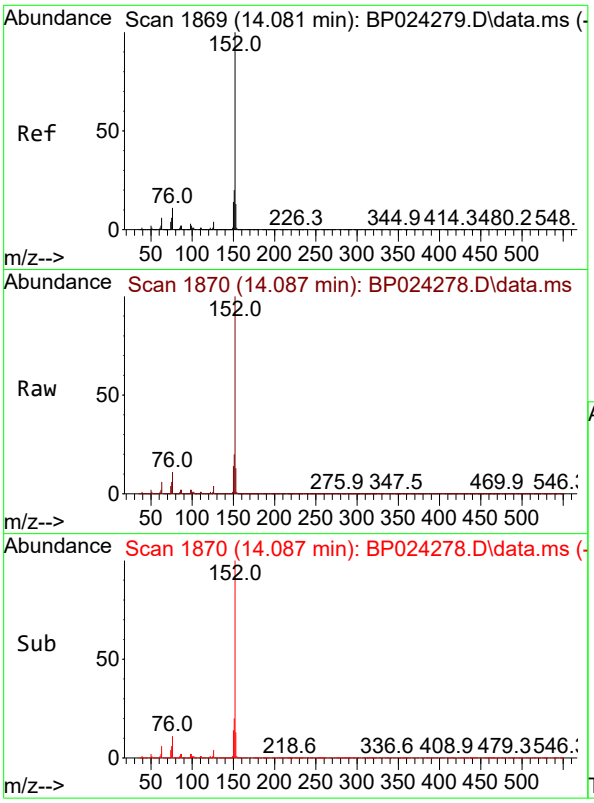


#48
2-Nitroaniline
Concen: 20.811 ng
RT: 13.440 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 65 Resp: 218194

Ion	Ratio	Lower	Upper
65	100		
92	74.9	62.3	93.5
138	121.6	97.2	145.8



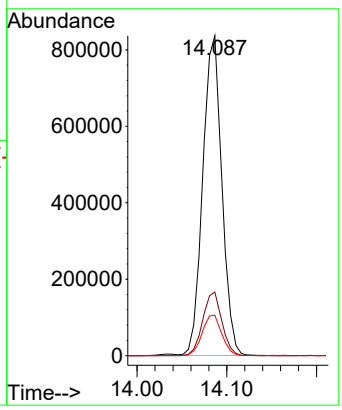


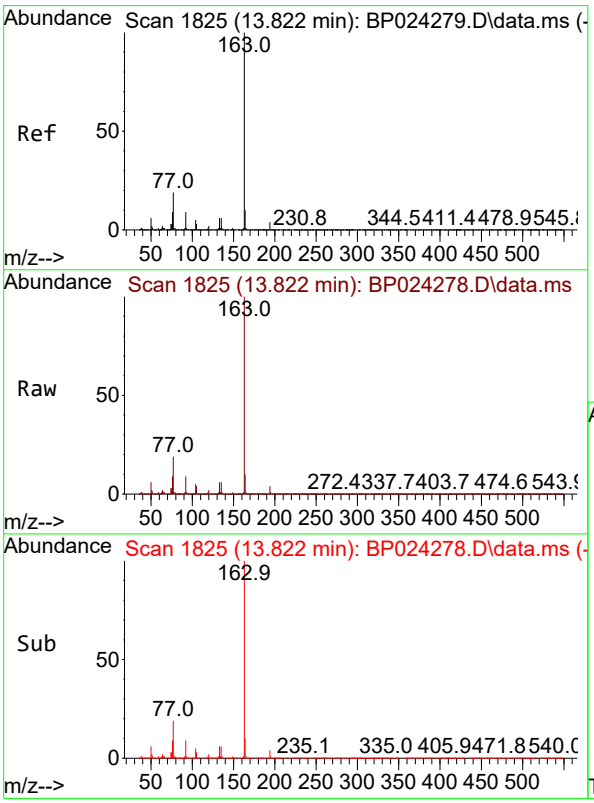
#49
Acenaphthylene
Concen: 20.726 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1234728

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.7	10.6	15.8

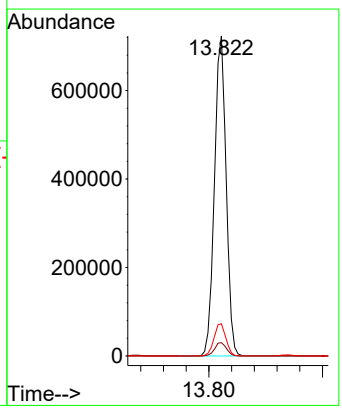


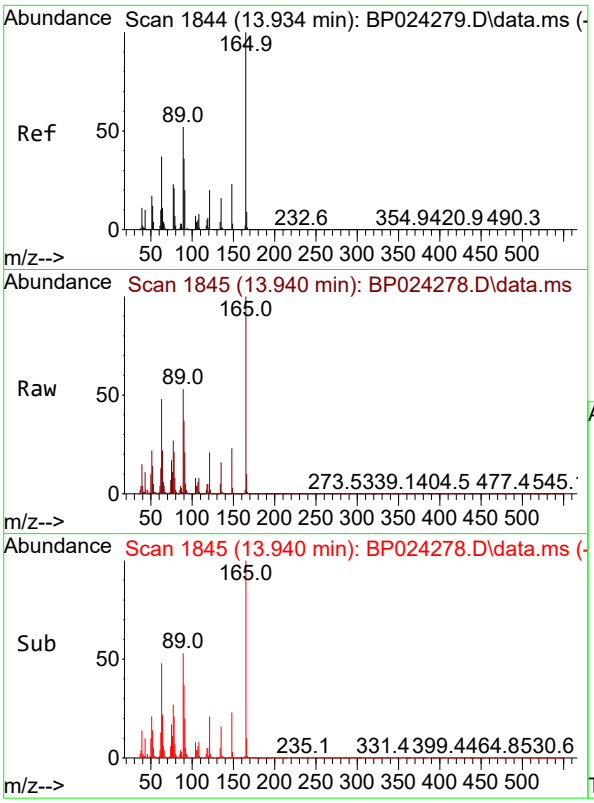


#50
Dimethylphthalate
Concen: 20.489 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:163 Resp: 1029599

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.1	8.0	12.0



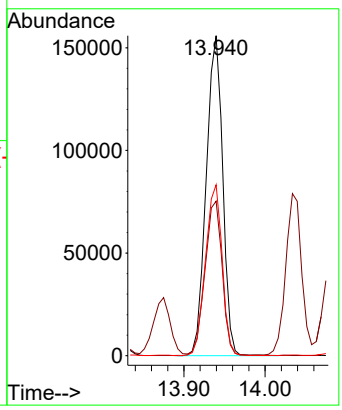


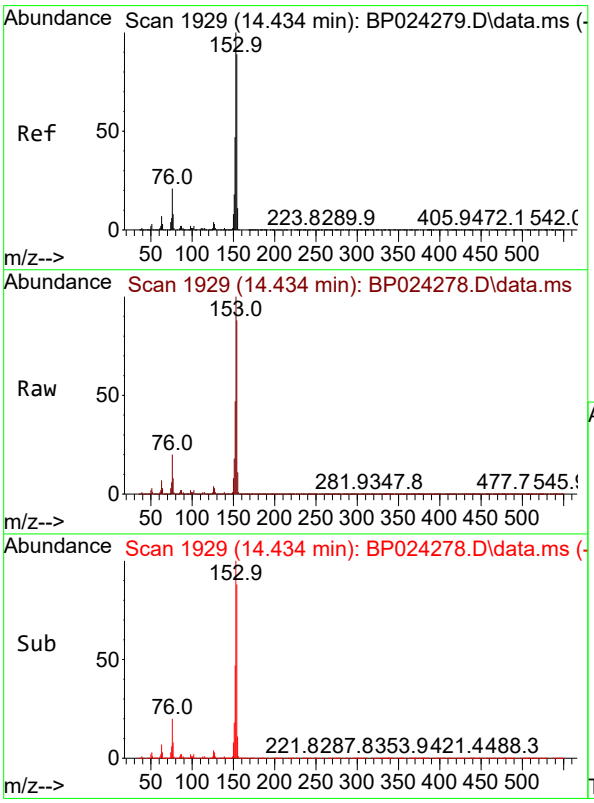
#51
2,6-Dinitrotoluene
Concen: 20.731 ng
RT: 13.940 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 219492

Ion	Ratio	Lower	Upper
165	100		
63	48.3	38.0	57.0
89	53.4	41.7	62.5

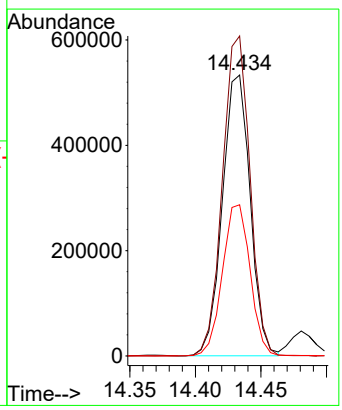


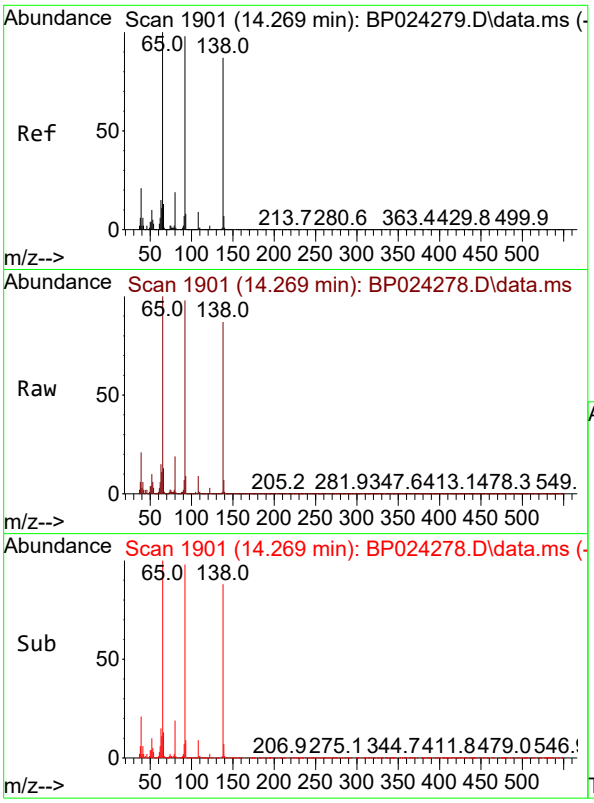


#52
Acenaphthene
Concen: 20.741 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 785789

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.8	134.6
152	53.8	42.6	63.8



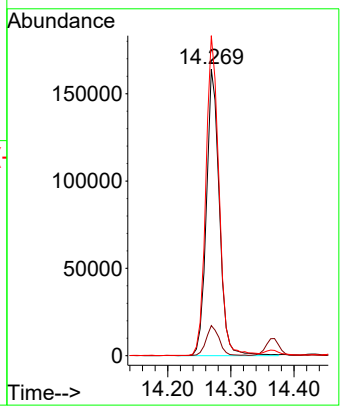


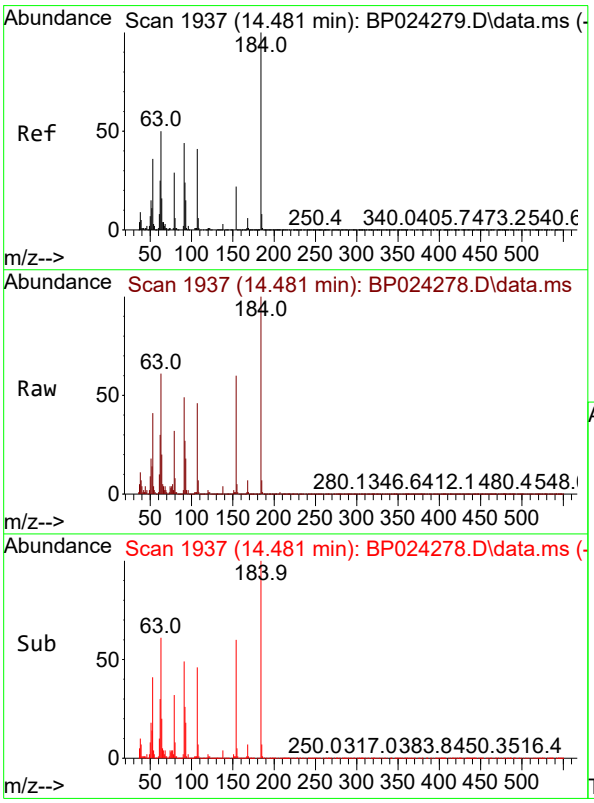
#53
3-Nitroaniline
Concen: 21.212 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 233006

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.7	89.8	134.8

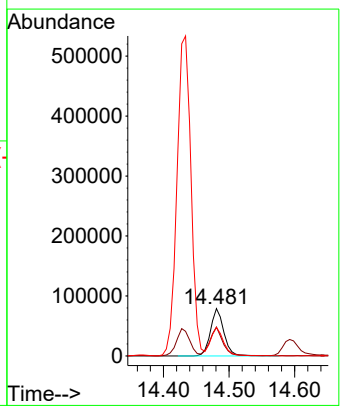


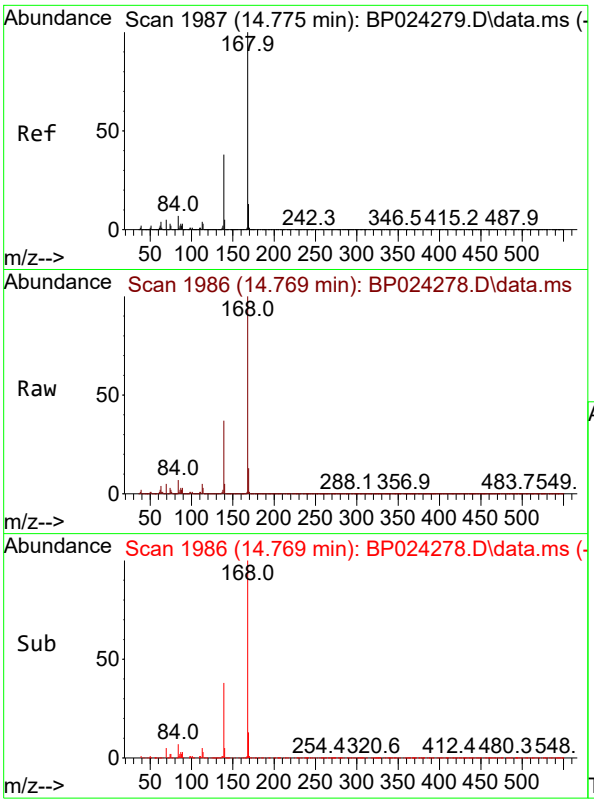


#54
2,4-Dinitrophenol
Concen: 19.785 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:184 Resp: 112157

Ion	Ratio	Lower	Upper
184	100		
63	61.0	42.6	64.0
154	60.0	47.2	70.8



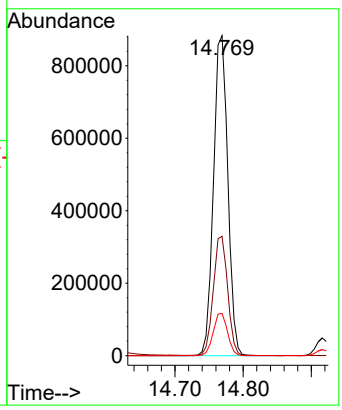


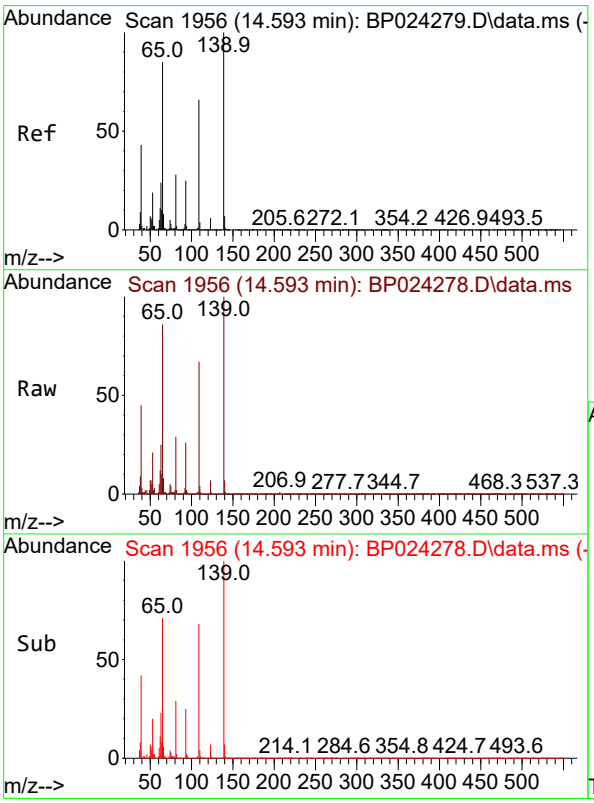
#55
Dibenzofuran
Concen: 20.735 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1288363

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	13.2	10.6	16.0

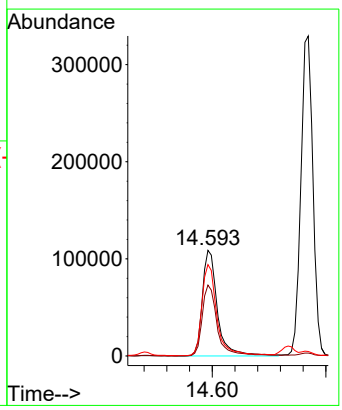


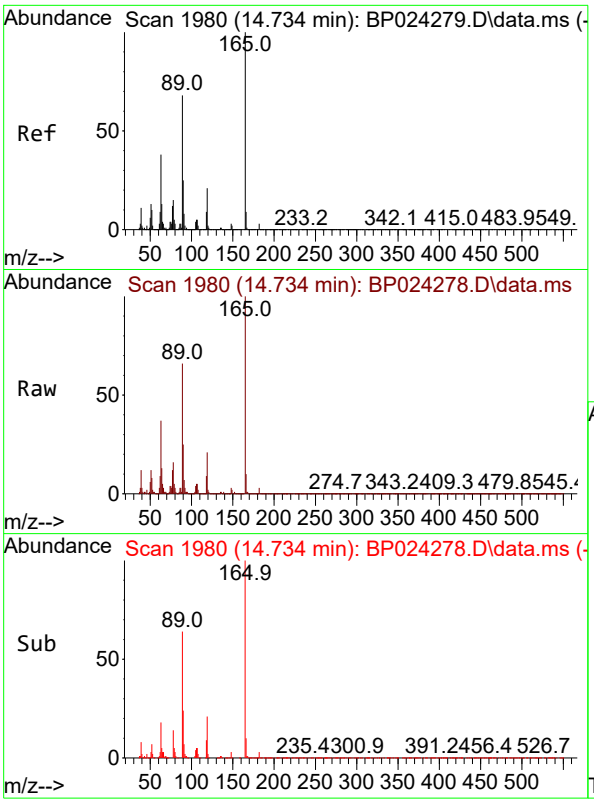


#56
4-Nitrophenol
Concen: 21.109 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 199315

Ion	Ratio	Lower	Upper
139	100		
109	67.0	46.1	86.1
65	86.5	65.0	105.0



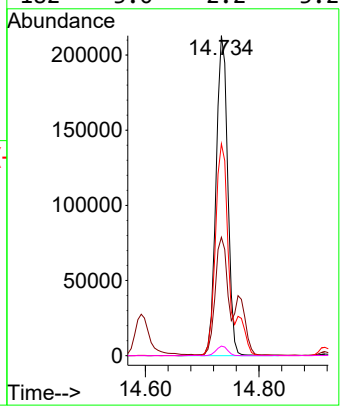


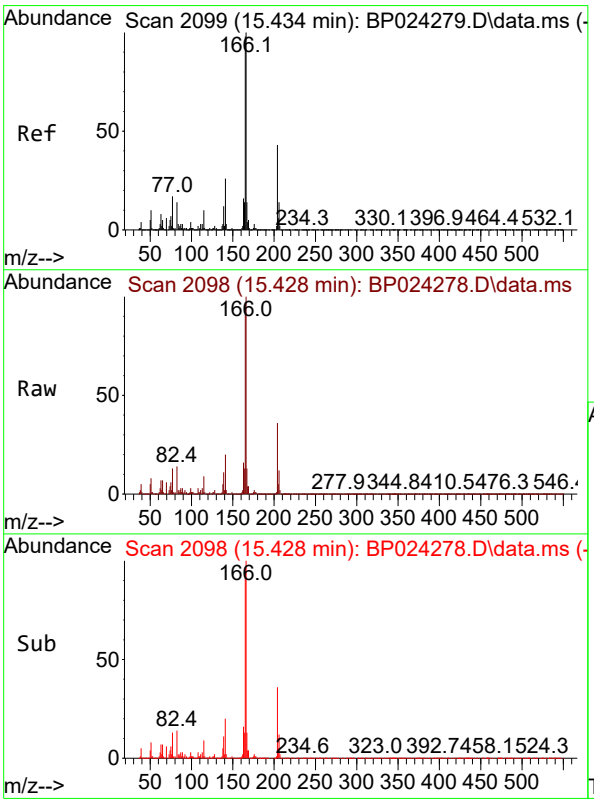
#57
2,4-Dinitrotoluene
Concen: 21.126 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 302332

Ion	Ratio	Lower	Upper
165	100		
63	37.0	30.4	45.6
89	66.2	54.6	82.0
182	3.0	2.2	3.2

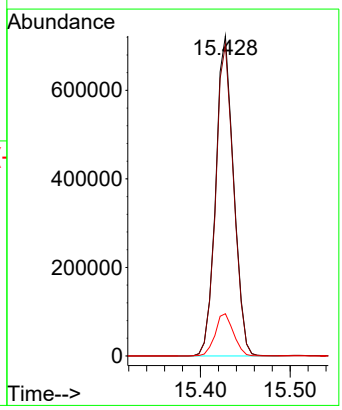


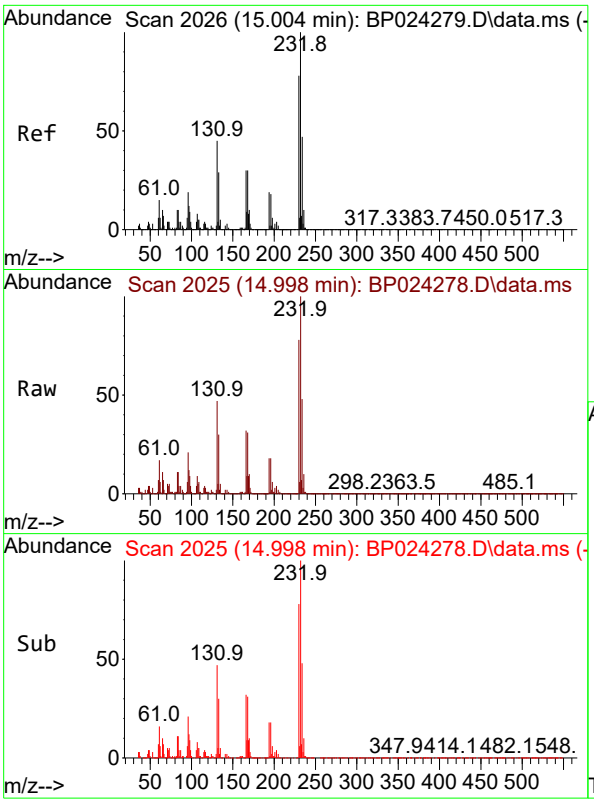


#58
Fluorene
Concen: 20.876 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:166 Resp: 1001515

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.2	10.9	16.3



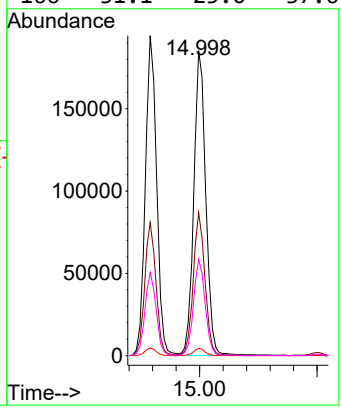


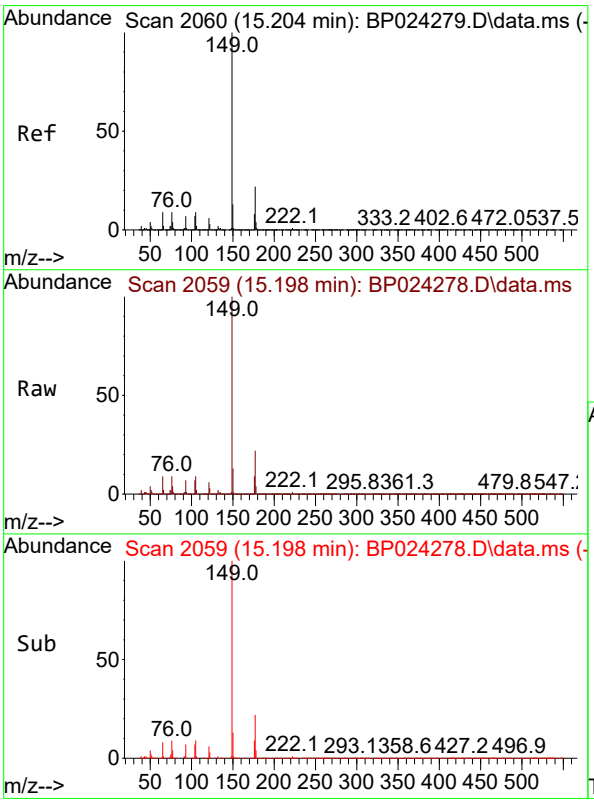
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.523 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 262077

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.8	55.2
130	2.4	1.9	2.9
166	31.1	25.0	37.6

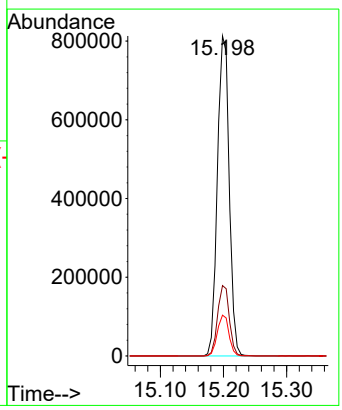


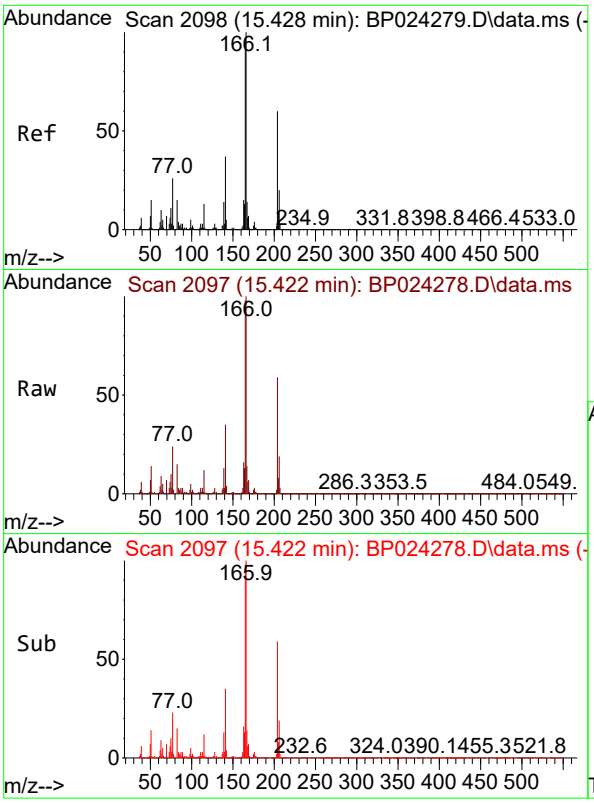


#60
Diethylphthalate
Concen: 20.344 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1052183

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.8	10.1	15.1



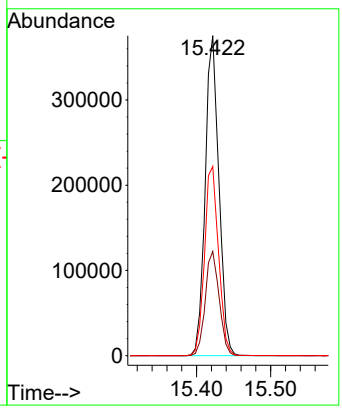


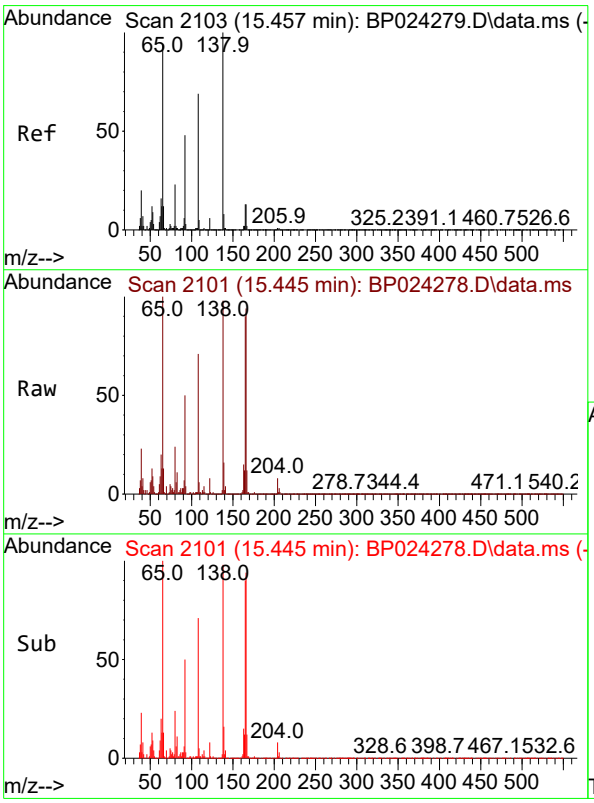
#61
4-Chlorophenyl-phenylether
Concen: 20.675 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 481631

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	59.2	49.4	74.0

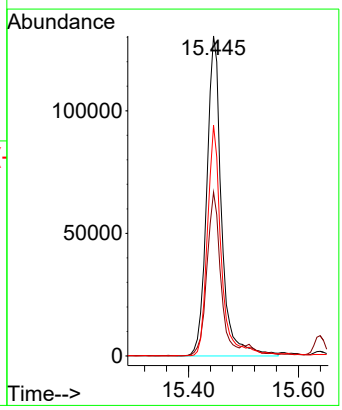


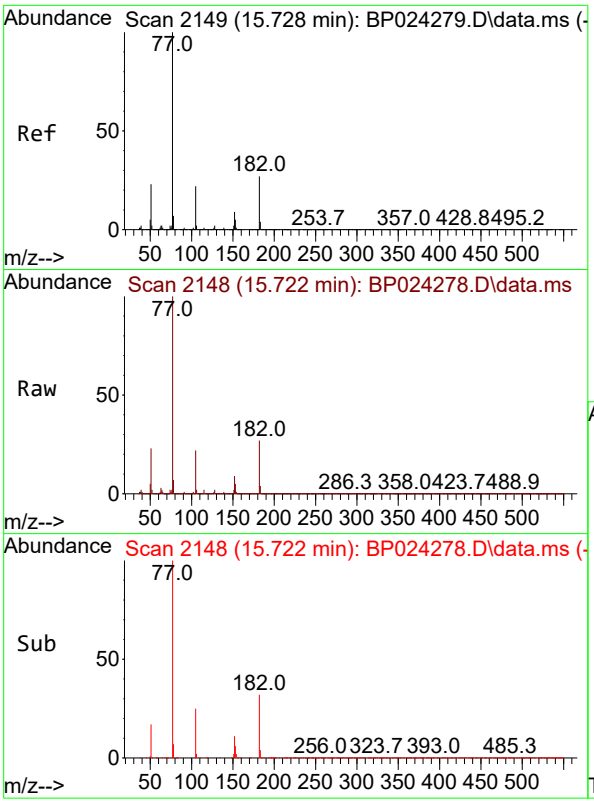


#62
4-Nitroaniline
Concen: 20.888 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:138 Resp: 243257

Ion	Ratio	Lower	Upper
138	100		
92	51.2	27.8	67.8
108	72.0	48.9	88.9



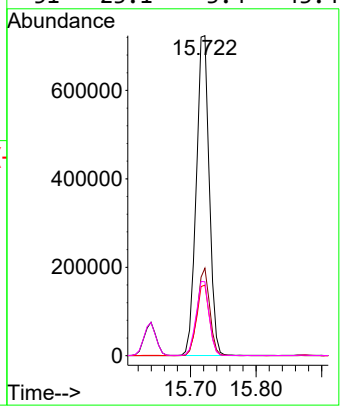


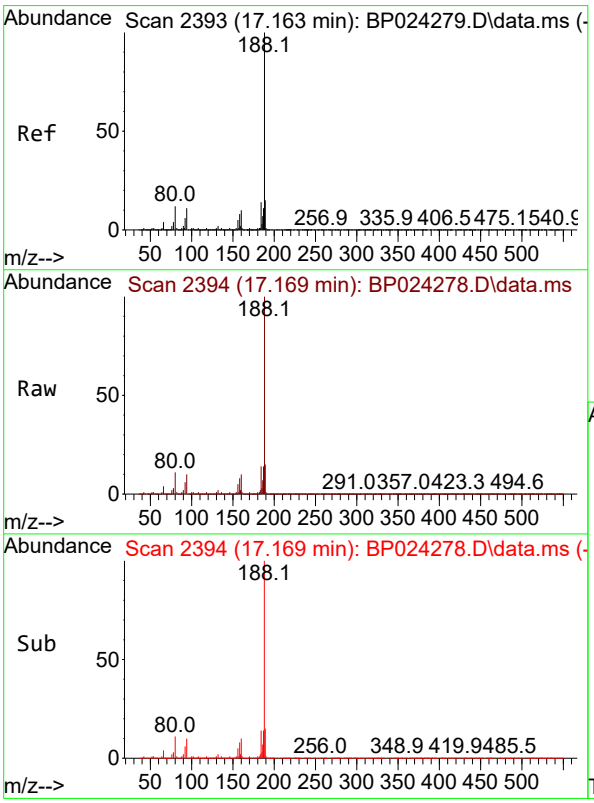
#63
Azobenzene
Concen: 20.907 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 995912

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.0	2.3	42.3
51	23.1	3.4	43.4

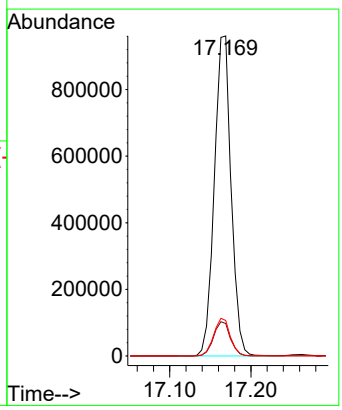


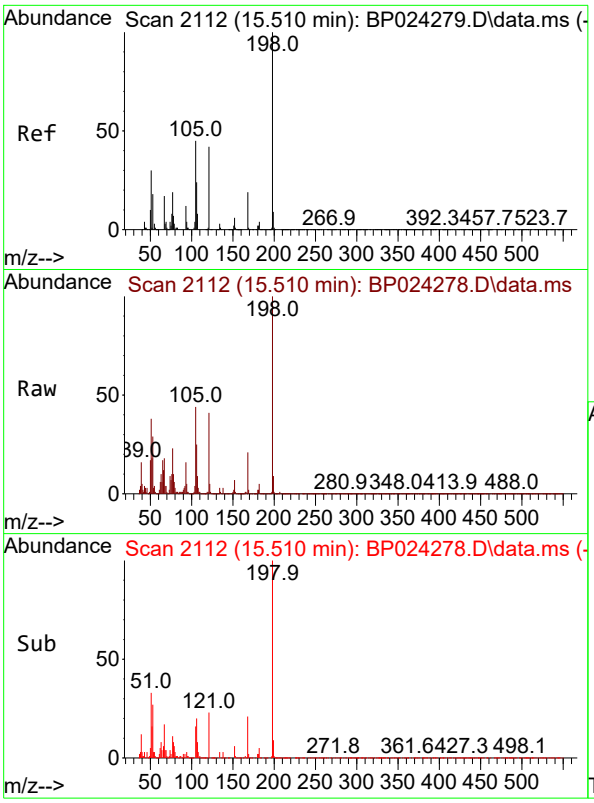


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:188 Resp: 1378480

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	13.0
80	11.1	9.8	14.6



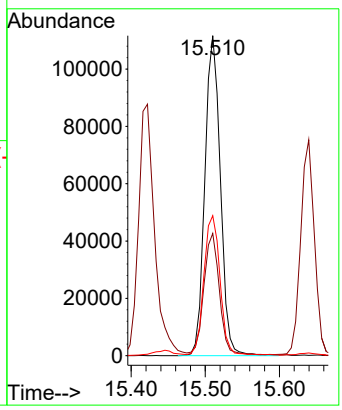


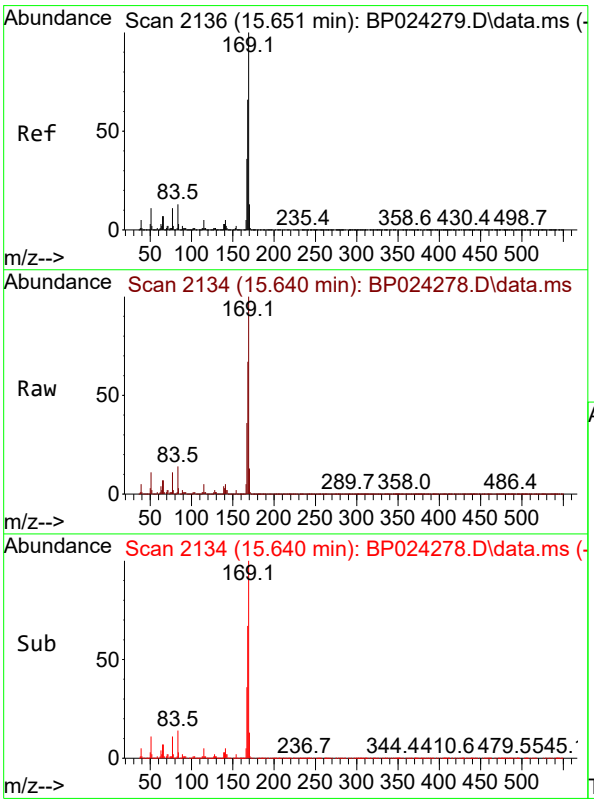
#65
4,6-Dinitro-2-methylphenol
Concen: 20.176 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 162501

Ion	Ratio	Lower	Upper
198	100		
51	38.2	18.4	58.4
105	43.8	26.5	66.5

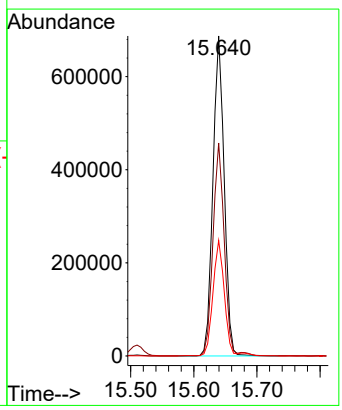


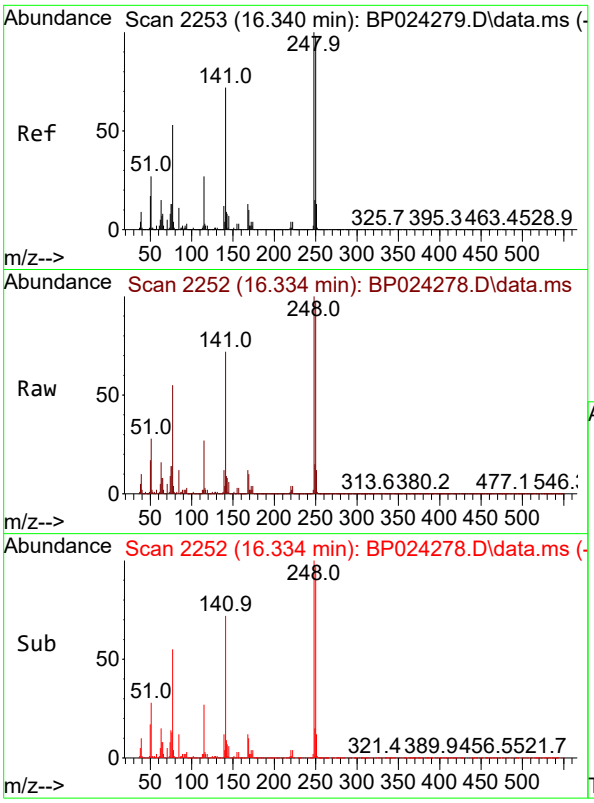


#66
n-Nitrosodiphenylamine
Concen: 20.552 ng
RT: 15.640 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:169 Resp: 849476

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.1	28.9	43.3



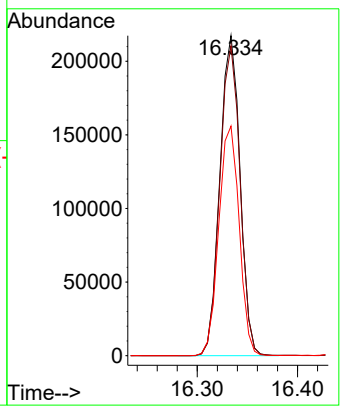


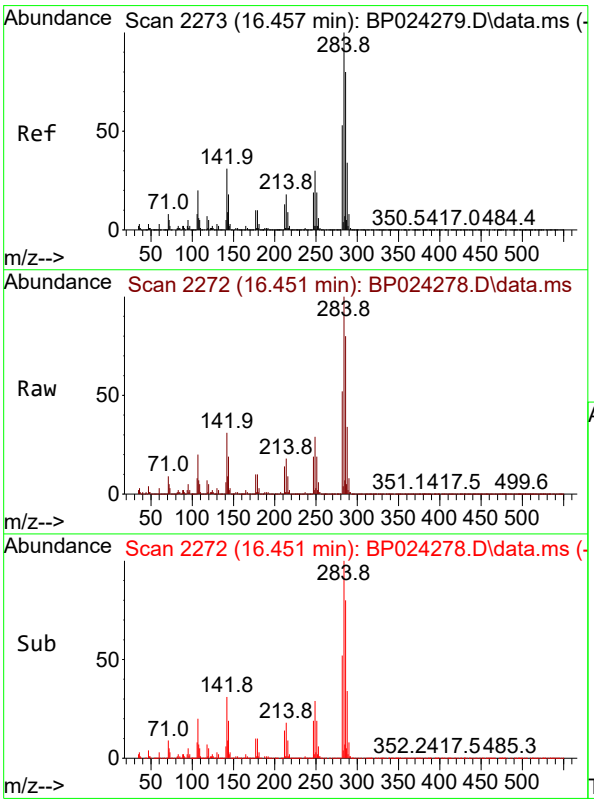
#67
4-Bromophenyl-phenylether
Concen: 20.125 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 302601

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.4
141	71.8	57.7	86.5

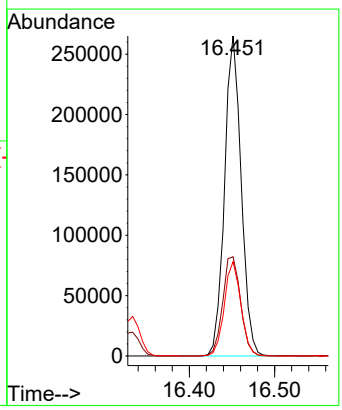


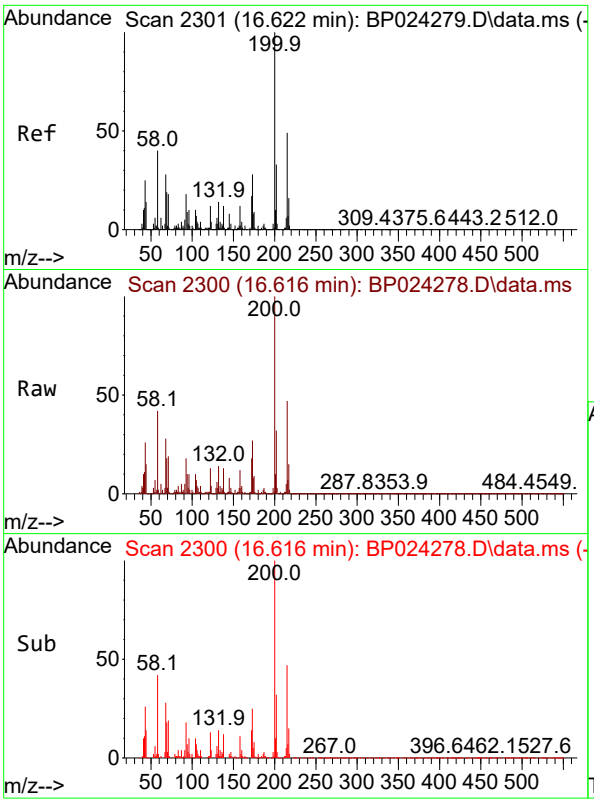


#68
Hexachlorobenzene
Concen: 20.077 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:284 Resp: 358889

Ion	Ratio	Lower	Upper
284	100		
142	31.0	24.6	37.0
249	29.5	23.8	35.6



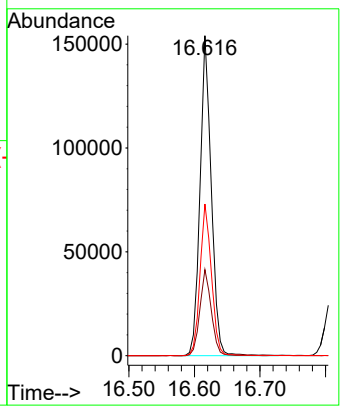


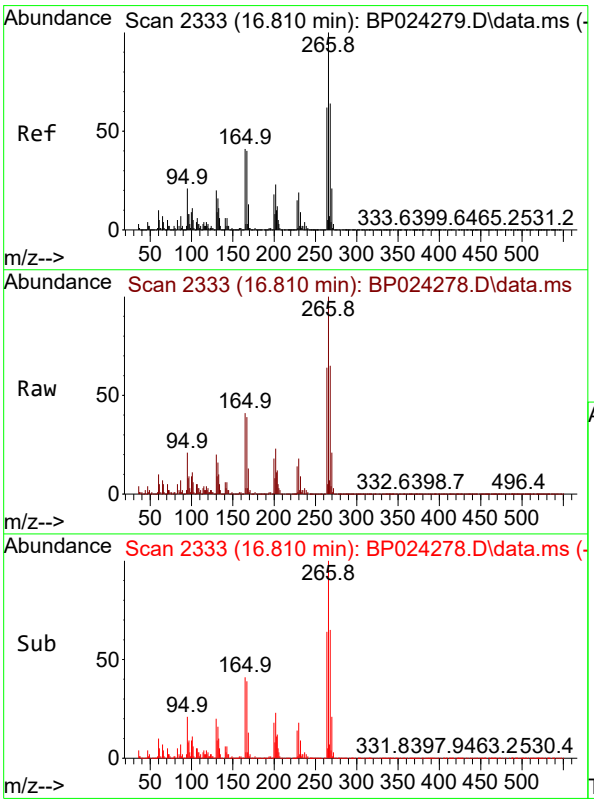
#69
Atrazine
Concen: 17.573 ng
RT: 16.616 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 184151

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	47.4	28.8	68.8

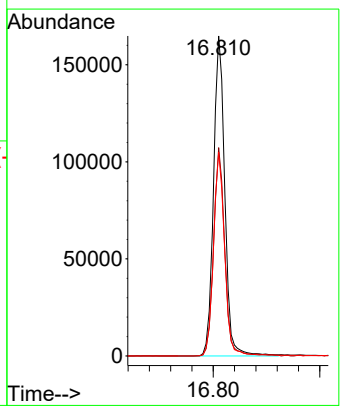


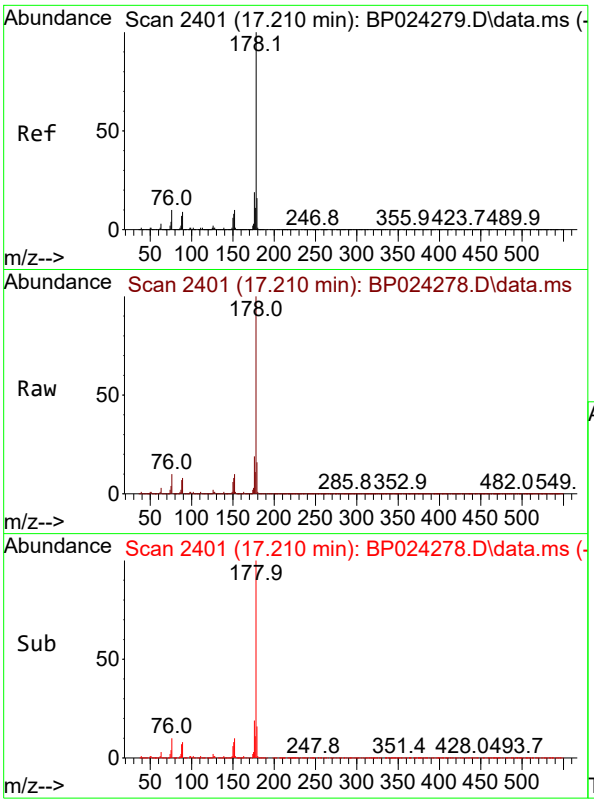


#70
Pentachlorophenol
Concen: 19.702 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:266 Resp: 241815

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.0	76.6
264	63.6	49.8	74.6



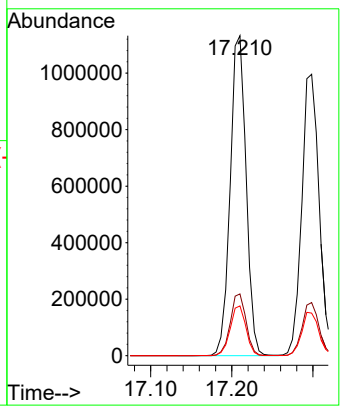


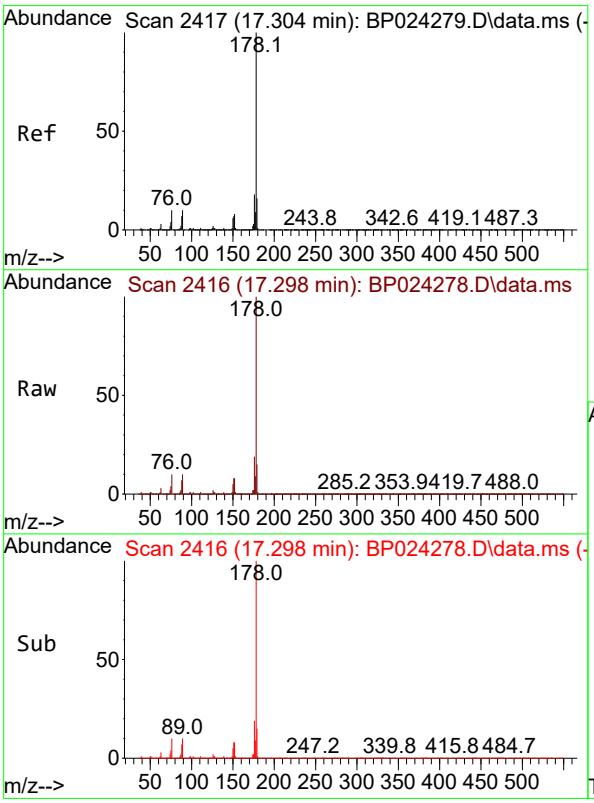
#71
Phenanthrene
Concen: 20.378 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1540112

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.5	18.7

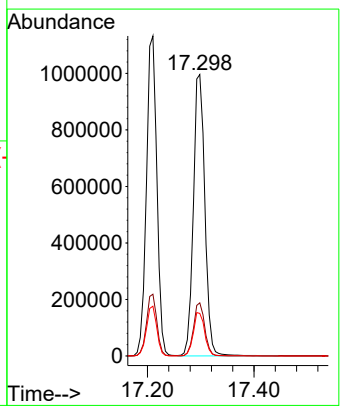


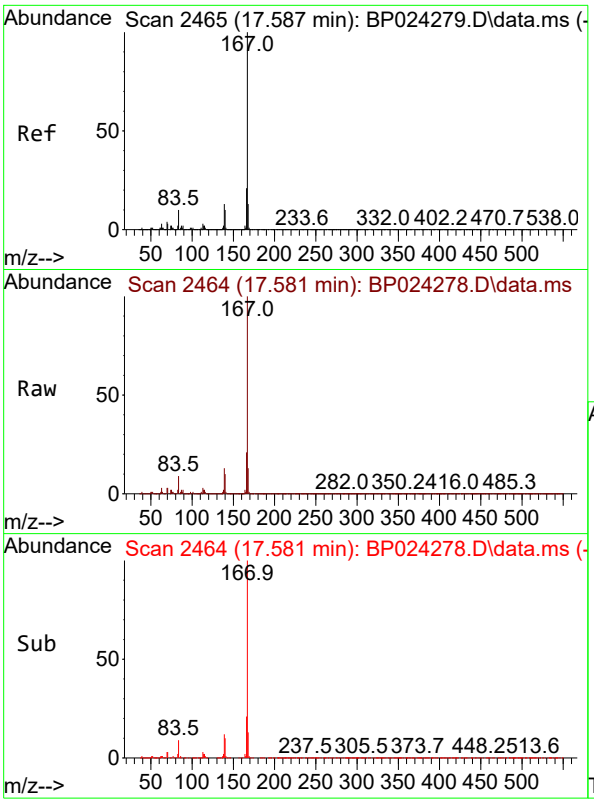


#72
Anthracene
Concen: 20.543 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:178 Resp: 1494006

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.1	12.4	18.6



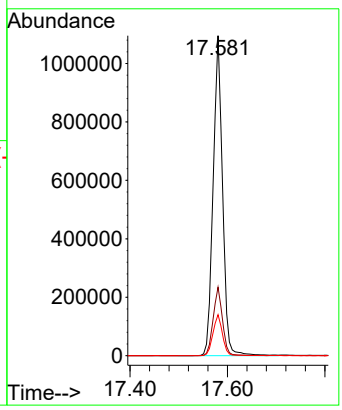


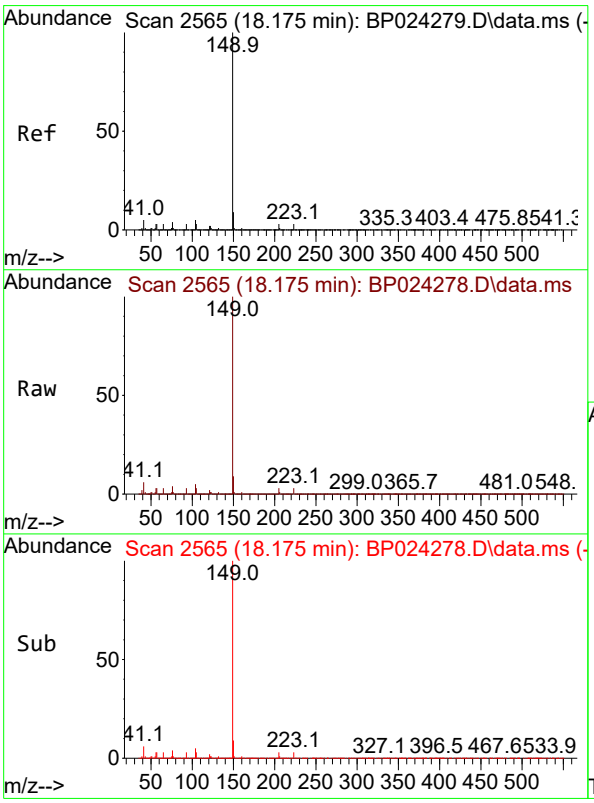
#73
Carbazole
Concen: 20.653 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1461729

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	10.6	16.0

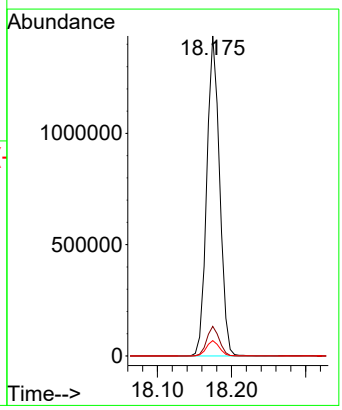


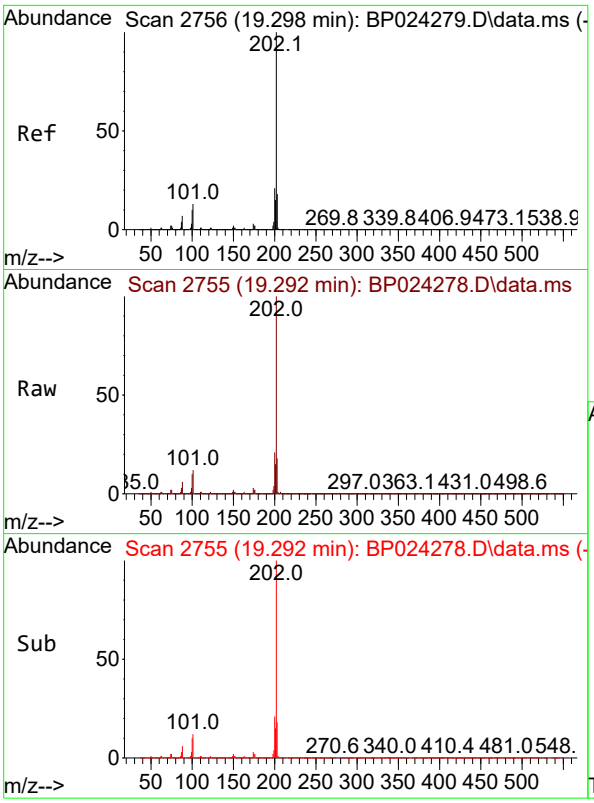


#74
Di-n-butylphthalate
Concen: 19.585 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1727074

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.8	3.9	5.9



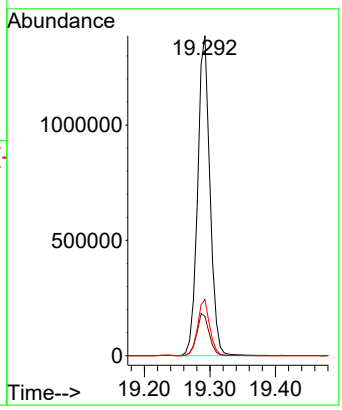


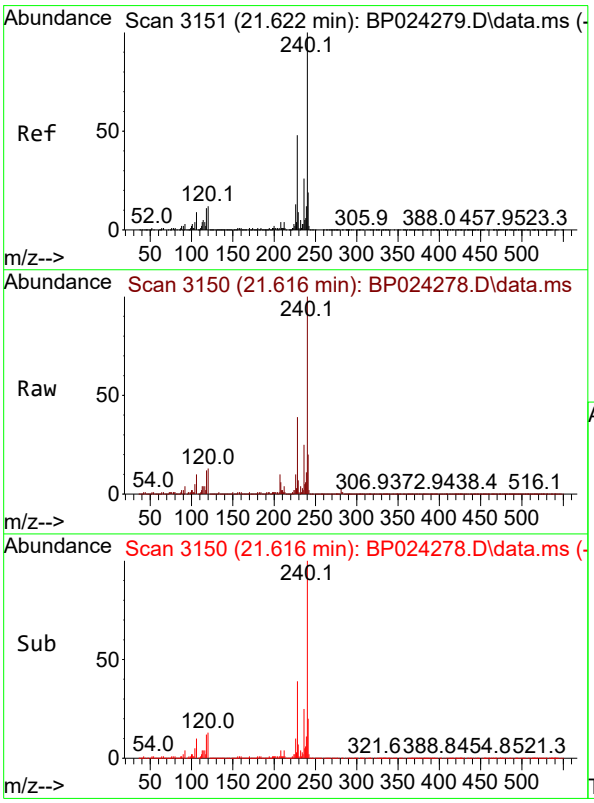
#75
Fluoranthene
Concen: 20.218 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1813662

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.6	0.0	37.7

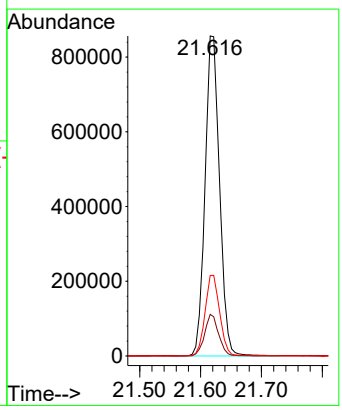


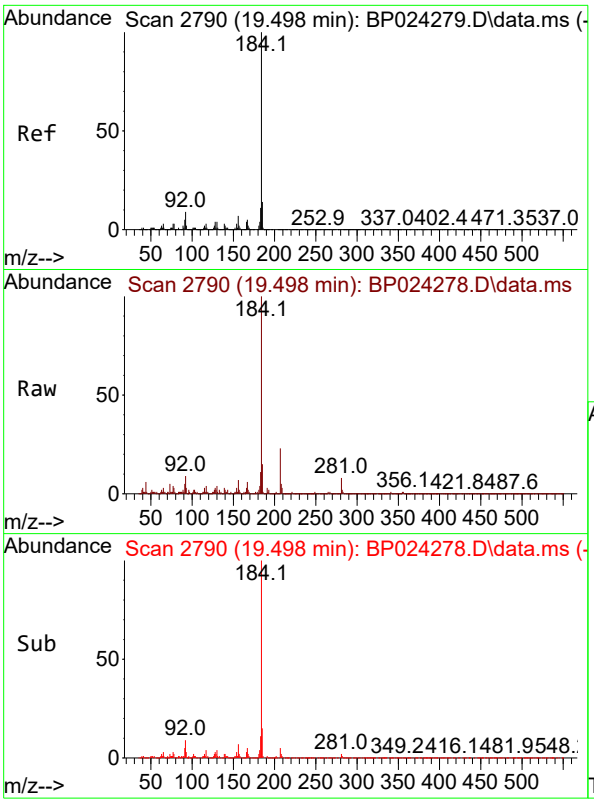


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:240 Resp: 1415765

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.8	14.8
236	25.2	20.9	31.3



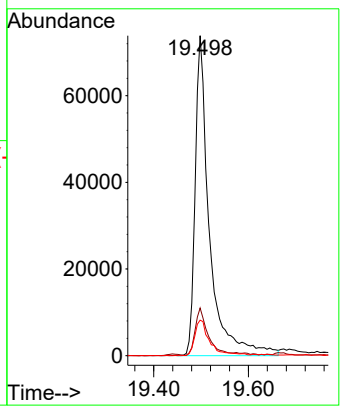


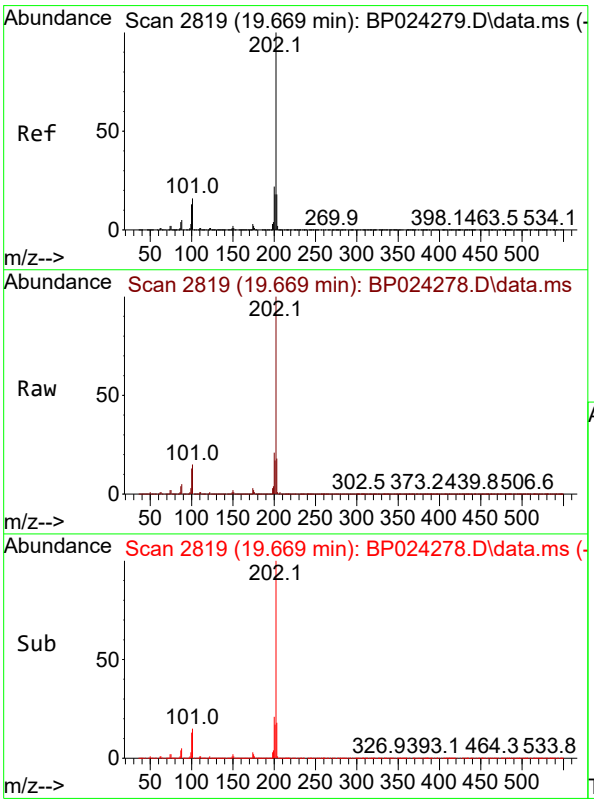
#77
Benzidine
Concen: 8.867 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 154964

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	11.1	9.2	13.8

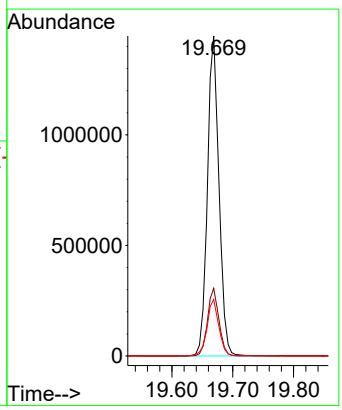


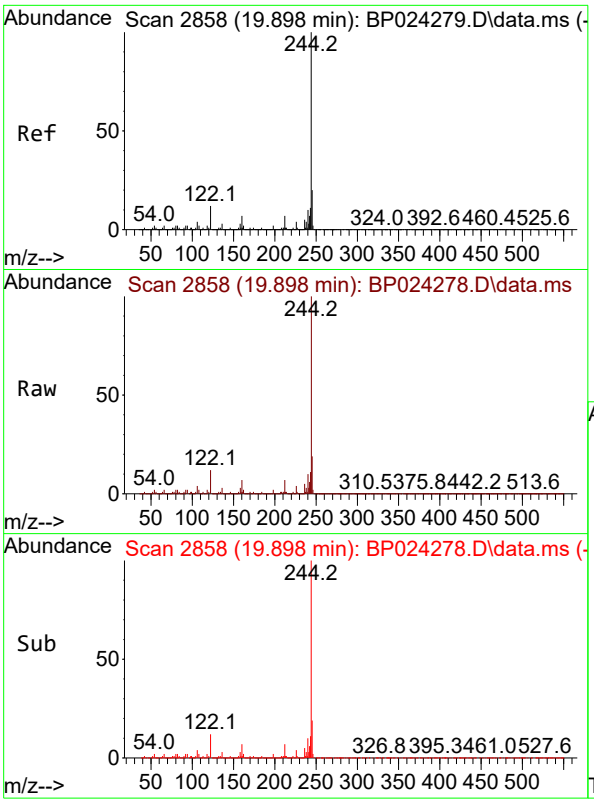


#78
Pyrene
Concen: 21.028 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:202 Resp: 1904884

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.6	14.4	21.6



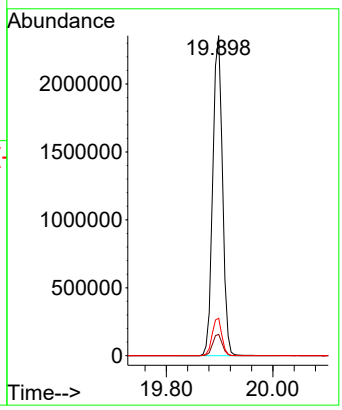


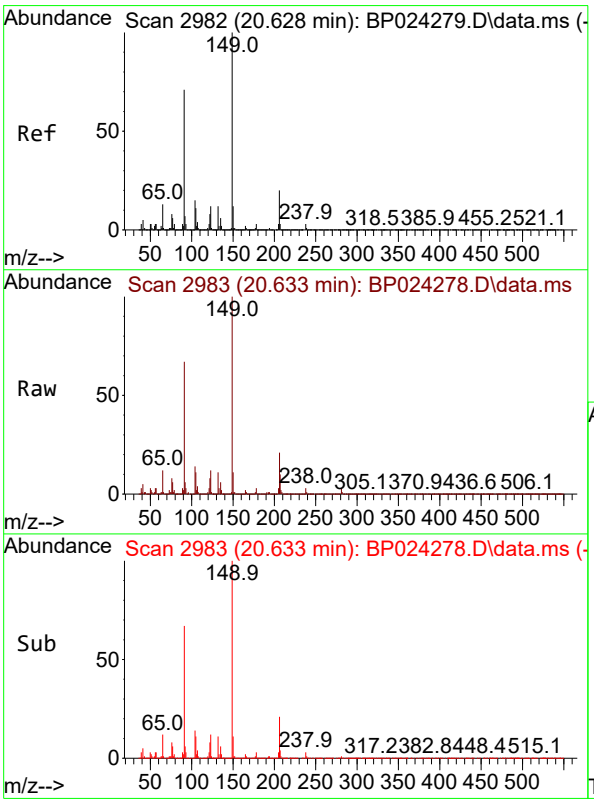
#79
Terphenyl-d14
Concen: 42.062 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2987245

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.7	9.4	14.0

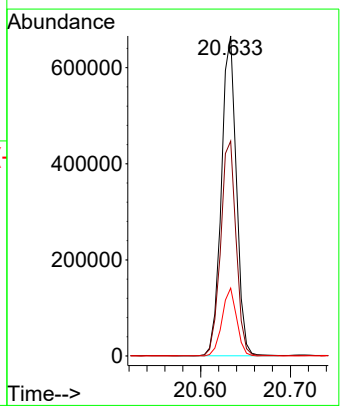


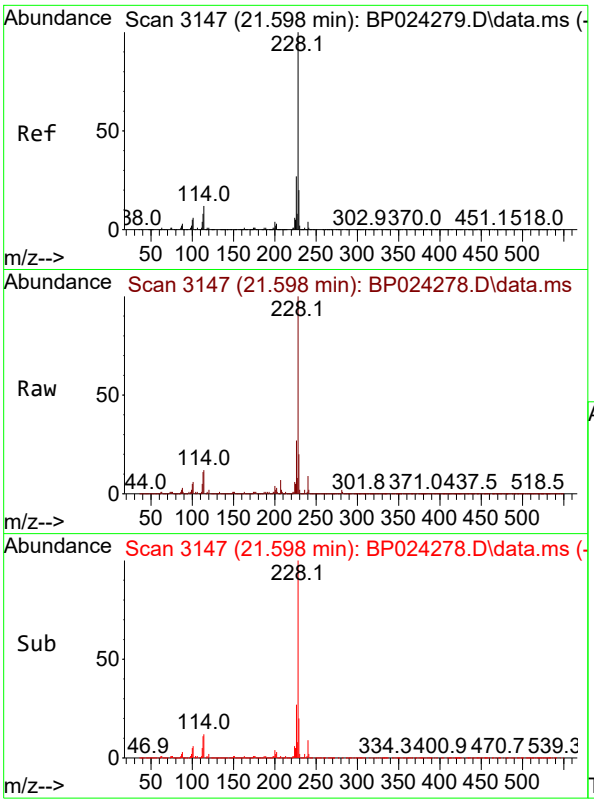


#80
Butylbenzylphthalate
Concen: 20.235 ng
RT: 20.633 min Scan# 2983
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 772776

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	21.2	16.3	24.5



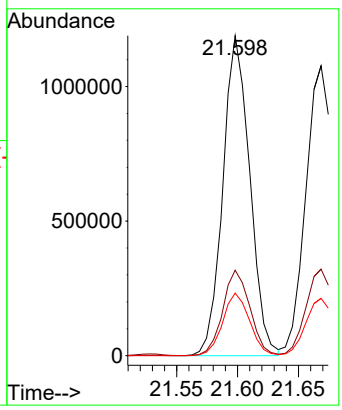


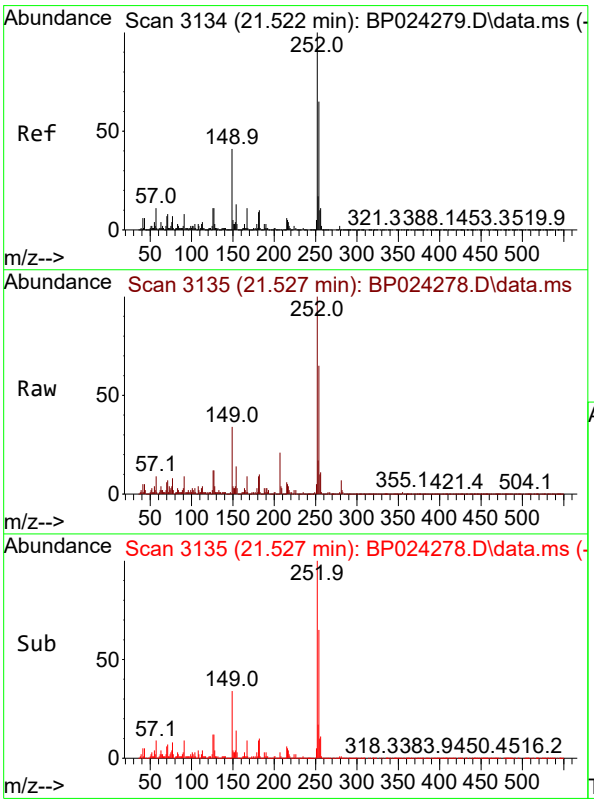
#81
Benzo(a)anthracene
Concen: 20.732 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1829798

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.6	15.9	23.9

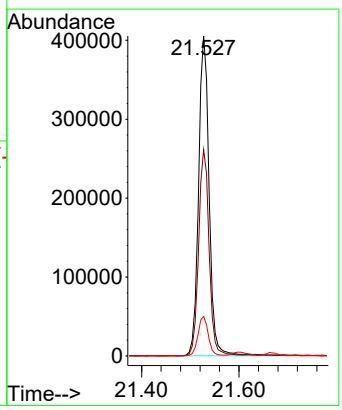


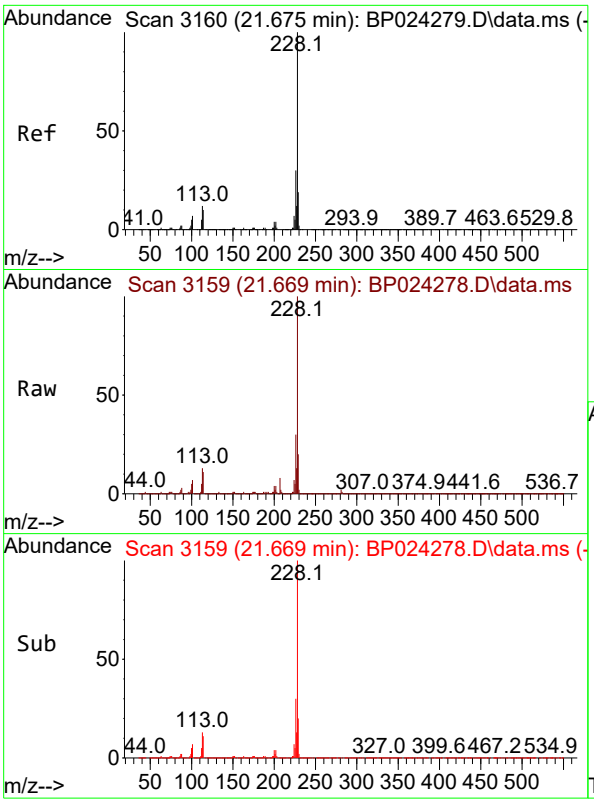


#82
3,3'-Dichlorobenzidine
Concen: 19.956 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 610749

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	12.4	8.8	13.2



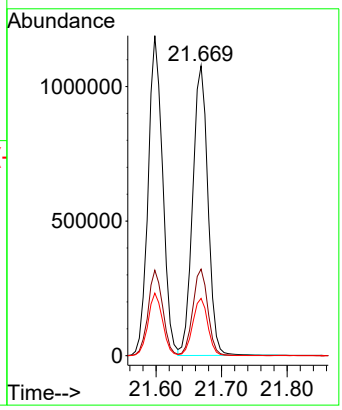


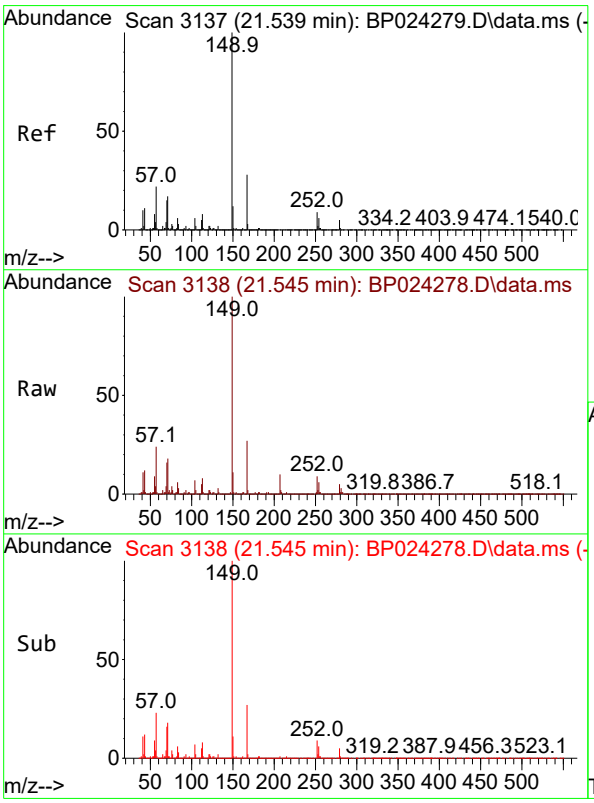
#83
Chrysene
Concen: 20.565 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1739548

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.8	15.6	23.4

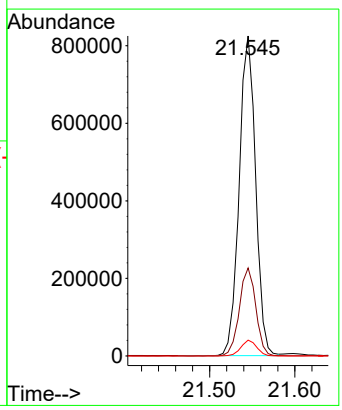


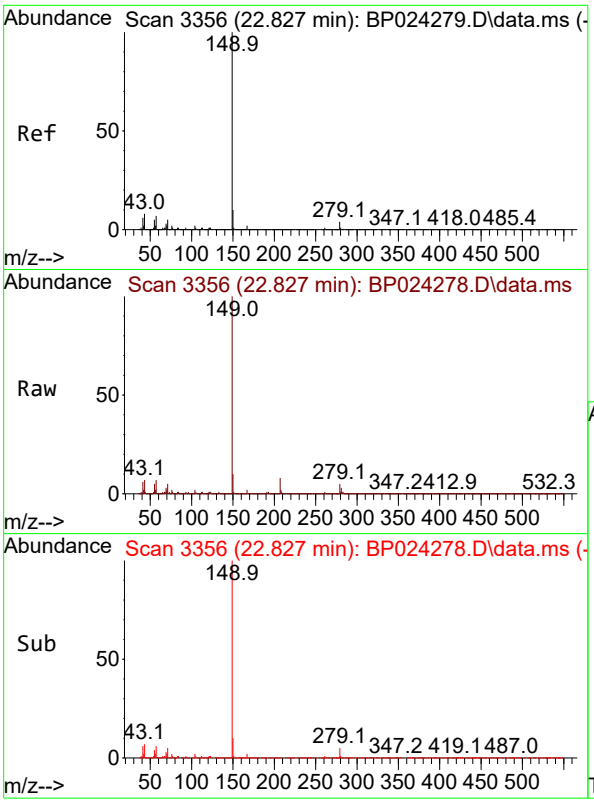


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.616 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1103263

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.4	33.6
279	4.9	4.0	6.0



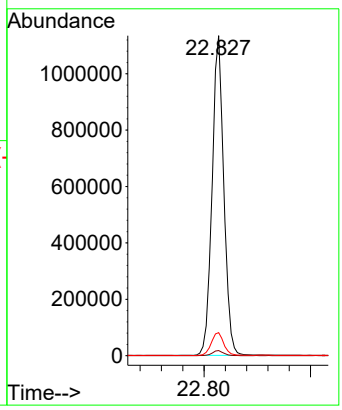


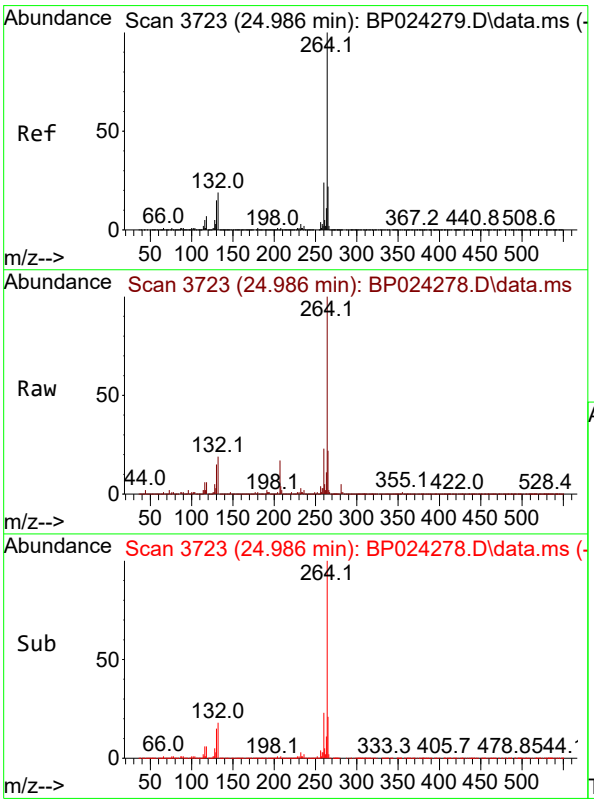
#85
Di-n-octyl phthalate
Concen: 19.207 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1730436

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.7	6.0	9.0

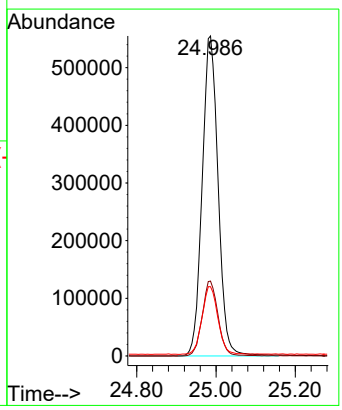


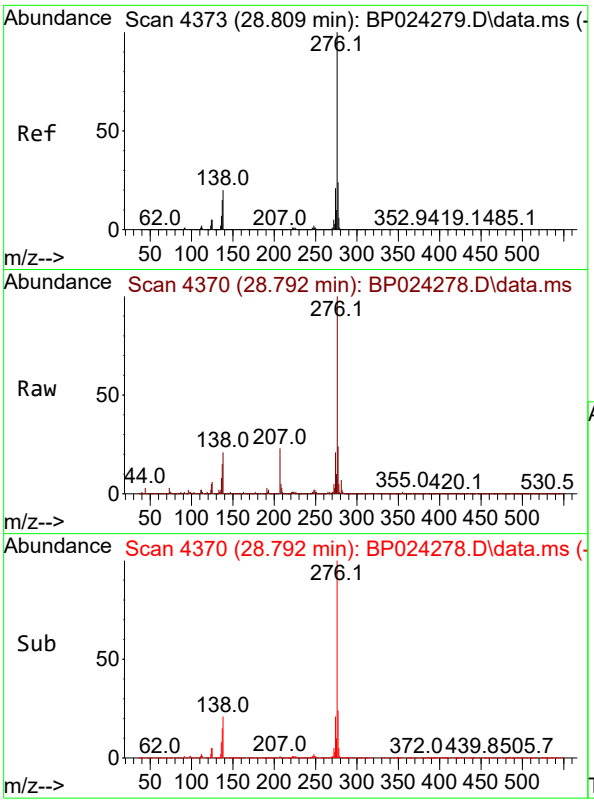


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:264 Resp: 1549781

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.7	17.8	26.6



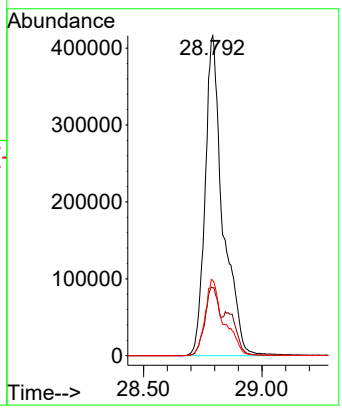


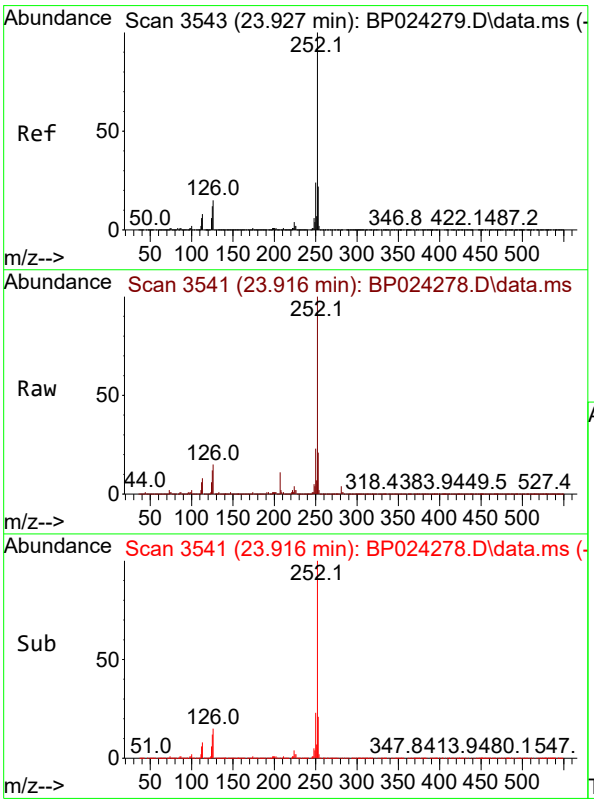
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.454 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2180177

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	25.2	20.2	30.2

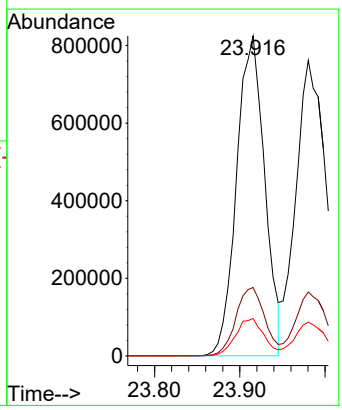


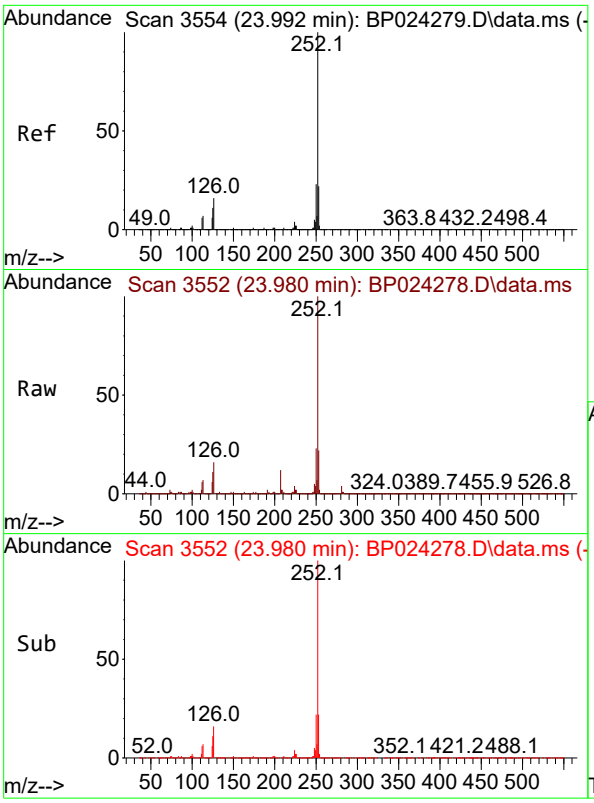


#88
Benzo(b)fluoranthene
Concen: 20.337 ng
RT: 23.916 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1885654

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.7	9.4	14.0



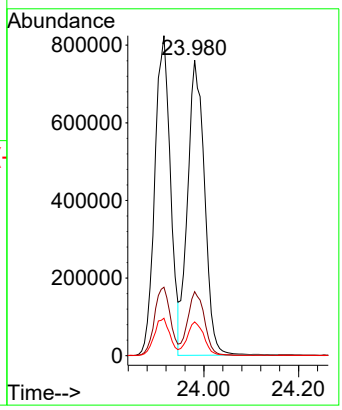


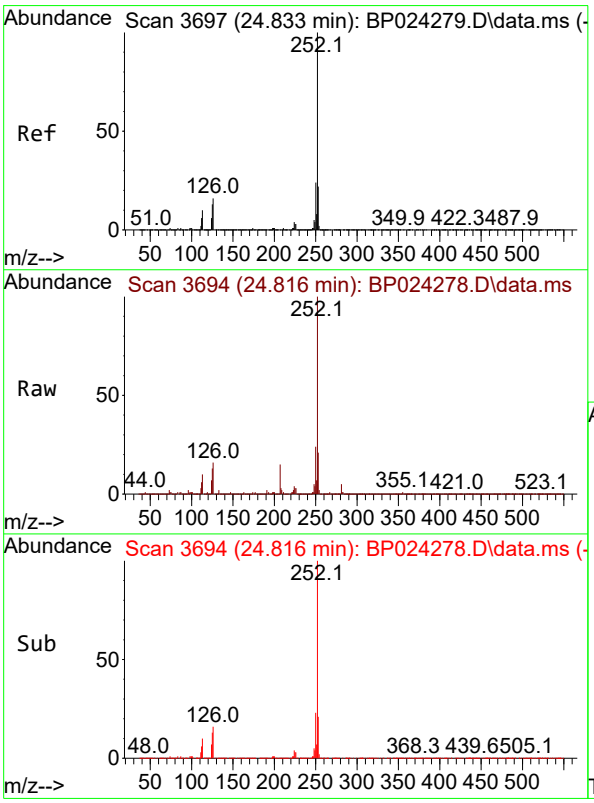
#89
Benzo(k)fluoranthene
Concen: 20.955 ng
RT: 23.980 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1885747

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.4	9.1	13.7

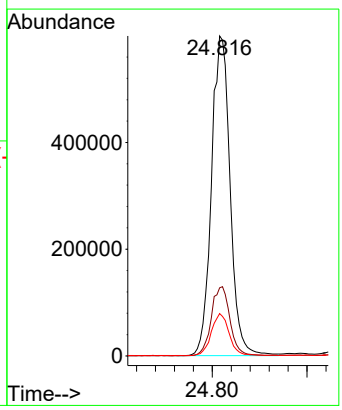


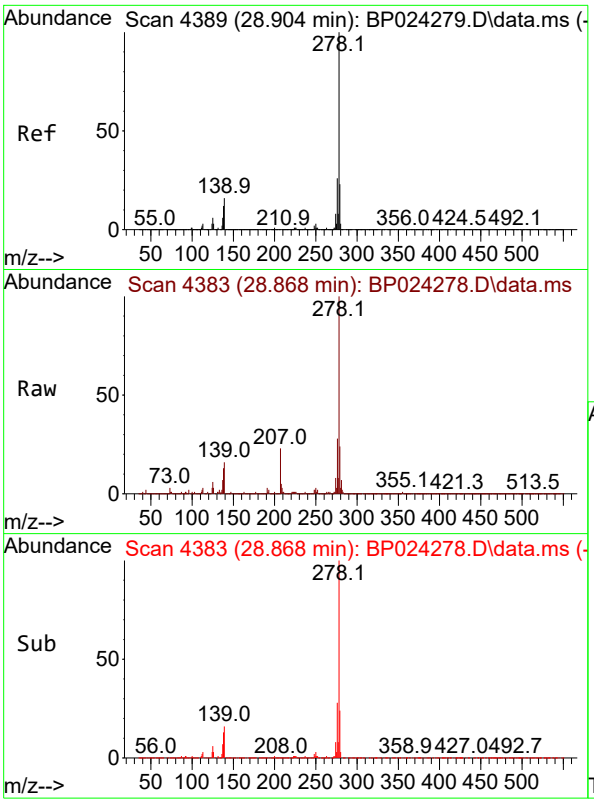


#90
Benzo(a)pyrene
Concen: 20.518 ng
RT: 24.816 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1637648

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	13.2	10.1	15.1



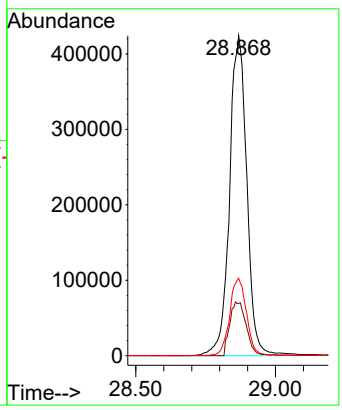


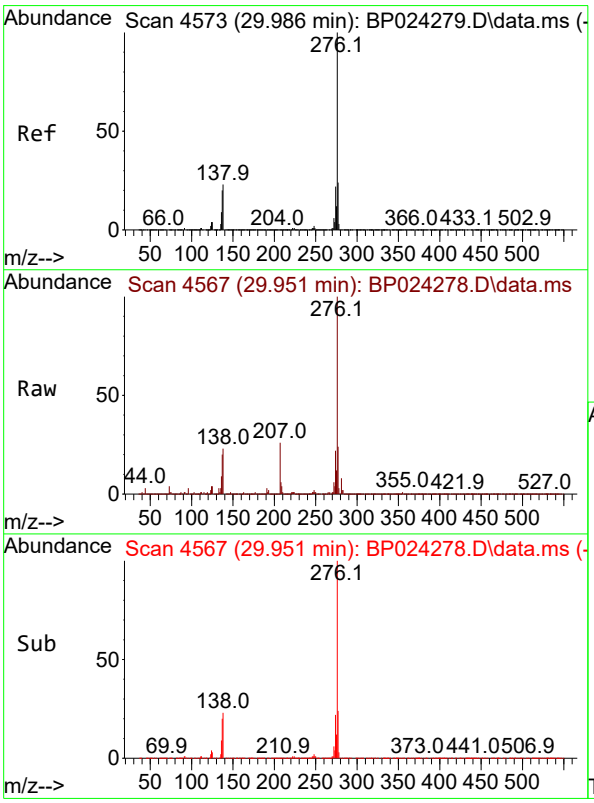
#91
Dibenzo(a,h)anthracene
Concen: 20.480 ng
RT: 28.868 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1815743

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.6	19.0
279	24.2	18.5	27.7

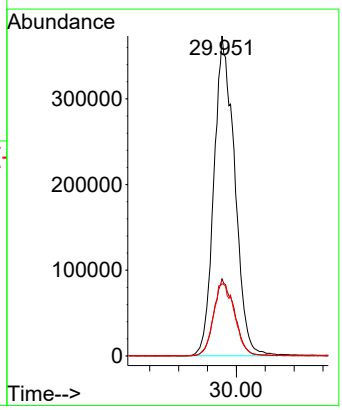




#92
Benzo(g,h,i)perylene
Concen: 20.571 ng
RT: 29.951 min Scan# 4567
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:276 Resp: 1856380

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.6	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	246363	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1046876	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	657357	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1277198	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1349860	20.000	ng	0.00
86) Perylene-d12	24.986	264	1485135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1236220	82.813	ng	0.00
7) Phenol-d6	6.916	99	1722202	84.332	ng	0.00
23) Nitrobenzene-d5	8.875	82	1540790	83.791	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	759528	84.379	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	3591010	82.939	ng	0.00
79) Terphenyl-d14	19.898	244	5570563	82.266	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	252519	39.624	ng	100
3) Pyridine	3.693	79	687730	41.457	ng	100
4) n-Nitrosodimethylamine	3.599	42	225273	40.725	ng	100
6) Aniline	7.069	93	781907	42.413	ng	100
8) 2-Chlorophenol	7.305	128	689257	41.317	ng	100
9) Benzaldehyde	6.881	77	411846	38.937	ng	100
10) Phenol	6.940	94	862244	42.050	ng	100
11) bis(2-Chloroethyl)ether	7.164	93	688989	41.581	ng	100
12) 1,3-Dichlorobenzene	7.622	146	732329	40.516	ng	100
13) 1,4-Dichlorobenzene	7.763	146	736270	40.171	ng	100
14) 1,2-Dichlorobenzene	8.081	146	711951	40.172	ng	100
15) Benzyl Alcohol	7.969	79	570437	43.581	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.252	45	746041	41.386	ng	100
17) 2-Methylphenol	8.169	107	561621	42.503	ng	100
18) Hexachloroethane	8.799	117	266915	40.349	ng	100
19) n-Nitroso-di-n-propyla...	8.528	70	533912	42.092	ng	100
20) 3+4-Methylphenols	8.499	107	784336	42.854	ng	100
22) Acetophenone	8.546	105	1086788	41.770	ng	100
24) Nitrobenzene	8.922	77	762756	41.852	ng	100
25) Isophorone	9.440	82	1408146	42.419	ng	100
26) 2-Nitrophenol	9.628	139	383751	43.852	ng	100
27) 2,4-Dimethylphenol	9.687	122	472488	42.600	ng	100
28) bis(2-Chloroethoxy)met...	9.922	93	947250	41.926	ng	100
29) 2,4-Dichlorophenol	10.157	162	645849	42.725	ng	100
30) 1,2,4-Trichlorobenzene	10.369	180	671264	41.046	ng	100
31) Naphthalene	10.557	128	2258924	40.765	ng	100
32) Benzoic acid	9.828	122	506813	42.286	ng	100
33) 4-Chloroaniline	10.669	127	830870	42.913	ng	100
34) Hexachlorobutadiene	10.846	225	394737	41.146	ng	100
35) Caprolactam	11.452	113	234519	42.256	ng	100
36) 4-Chloro-3-methylphenol	11.793	107	747541	42.438	ng	100
37) 2-Methylnaphthalene	12.163	142	1580497	41.154	ng	100
38) 1-Methylnaphthalene	12.381	142	1530982	40.695	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	757748	41.945	ng	100
41) Hexachlorocyclopentadiene	12.522	237	286135	45.116	ng	100
43) 2,4,6-Trichlorophenol	12.781	196	511566	43.038	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

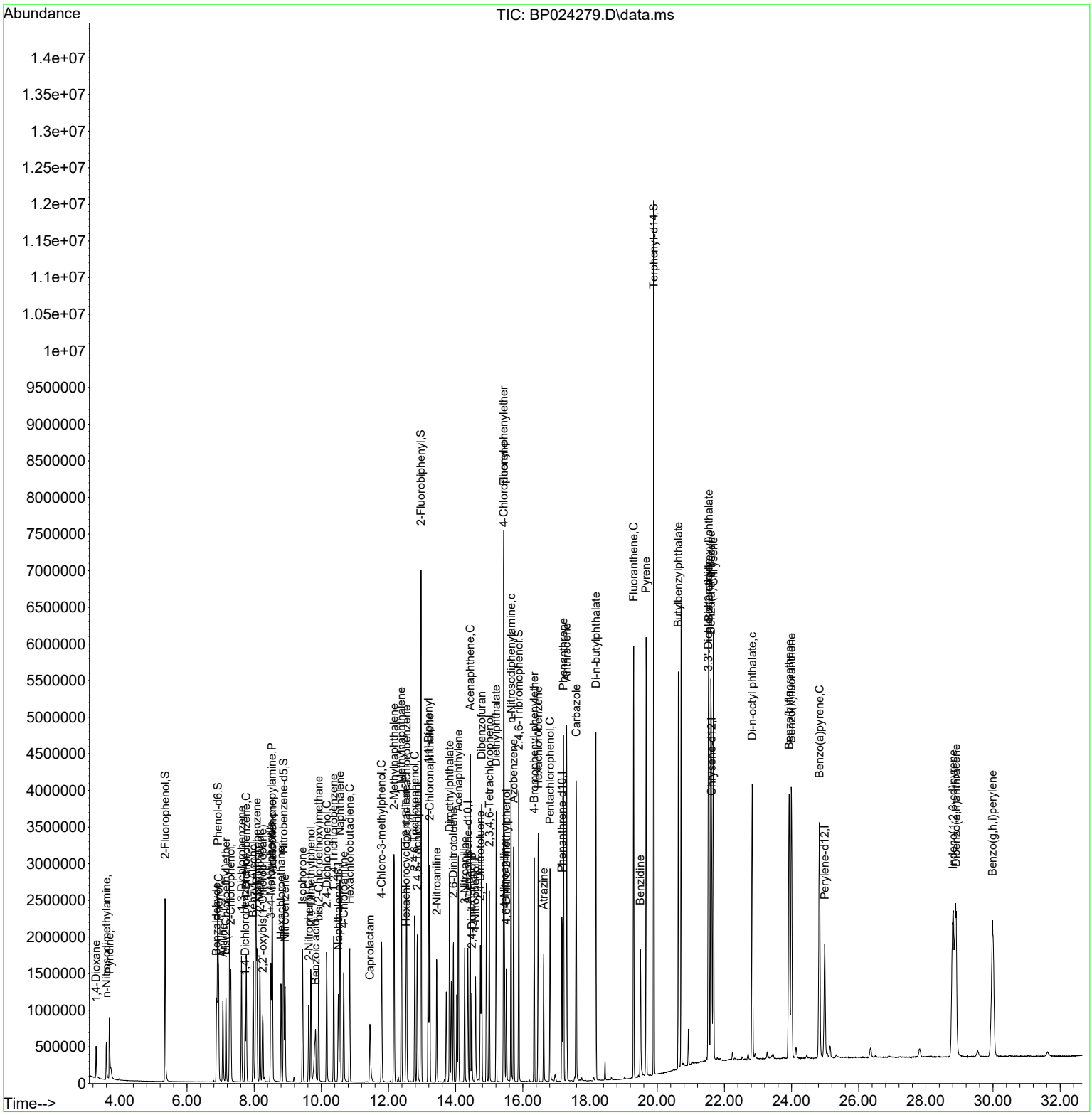
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	561631	42.637	ng	100
46) 1,1'-Biphenyl	13.187	154	2010029	41.404	ng	100
47) 2-Chloronaphthalene	13.228	162	1497152	41.328	ng	100
48) 2-Nitroaniline	13.434	65	434050	43.377	ng	100
49) Acenaphthylene	14.081	152	2384785	41.944	ng	100
50) Dimethylphthalate	13.822	163	1965142	40.976	ng	100
51) 2,6-Dinitrotoluene	13.934	165	427248	42.283	ng	100
52) Acenaphthene	14.434	154	1480526	40.947	ng	100
53) 3-Nitroaniline	14.269	138	465347	44.389	ng	100
54) 2,4-Dinitrophenol	14.481	184	244714	45.231	ng	100
55) Dibenzofuran	14.775	168	2409526	40.633	ng	100
56) 4-Nitrophenol	14.593	139	401591	44.564	ng	100
57) 2,4-Dinitrotoluene	14.734	165	588798	43.110	ng	100
58) Fluorene	15.434	166	1838264	40.150	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	511714	41.987	ng	100
60) Diethylphthalate	15.204	149	2037863	41.286	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	894350	40.226	ng	100
62) 4-Nitroaniline	15.457	138	485622	43.693	ng	100
63) Azobenzene	15.728	77	1881773	41.392	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	335347	44.938	ng	100
66) n-Nitrosodiphenylamine	15.651	169	1609251	42.021	ng	100
67) 4-Bromophenyl-phenylether	16.340	248	587416	42.165	ng	100
68) Hexachlorobenzene	16.457	284	692546	41.815	ng	100
69) Atrazine	16.622	200	308618	31.786	ng	100
70) Pentachlorophenol	16.810	266	499858	43.955	ng	100
71) Phenanthrene	17.210	178	2879498	41.121	ng	100
72) Anthracene	17.304	178	2838724	42.130	ng	100
73) Carbazole	17.587	167	2770072	42.242	ng	100
74) Di-n-butylphthalate	18.175	149	3571220	43.708	ng	100
75) Fluoranthene	19.298	202	3441282	41.404	ng	100
77) Benzidine	19.498	184	1178258	70.714	ng	100
78) Pyrene	19.669	202	3523104	40.790	ng	100
80) Butylbenzylphthalate	20.628	149	1607881	44.158	ng	100
81) Benzo(a)anthracene	21.598	228	3489938	41.472	ng	100
82) 3,3'-Dichlorobenzidine	21.522	252	1311770	44.953	ng	100
83) Chrysene	21.675	228	3274153	40.596	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2411998	44.979	ng	100
85) Di-n-octyl phthalate	22.827	149	3943939	45.913	ng	100
87) Indeno(1,2,3-cd)pyrene	28.809	276	4288630	41.987	ng	100
88) Benzo(b)fluoranthene	23.927	252	3737035	42.058	ng	100
89) Benzo(k)fluoranthene	23.992	252	3600626	41.753	ng	100
90) Benzo(a)pyrene	24.833	252	3240684	42.369	ng	100
91) Dibenzo(a,h)anthracene	28.904	278	3573562	42.061	ng	100
92) Benzo(g,h,i)perylene	29.986	276	3617069	41.826	ng	100

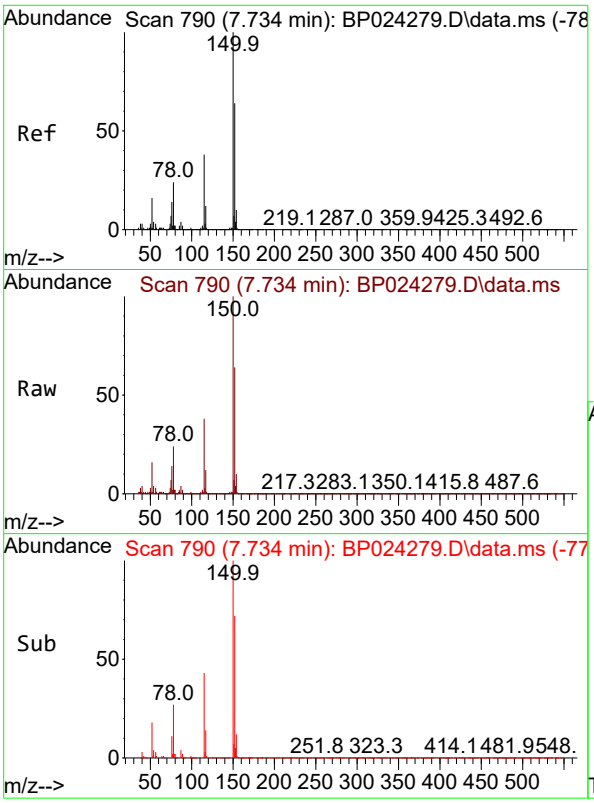
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



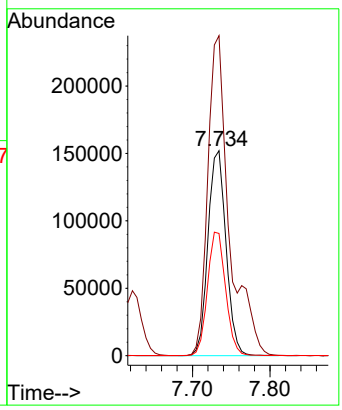


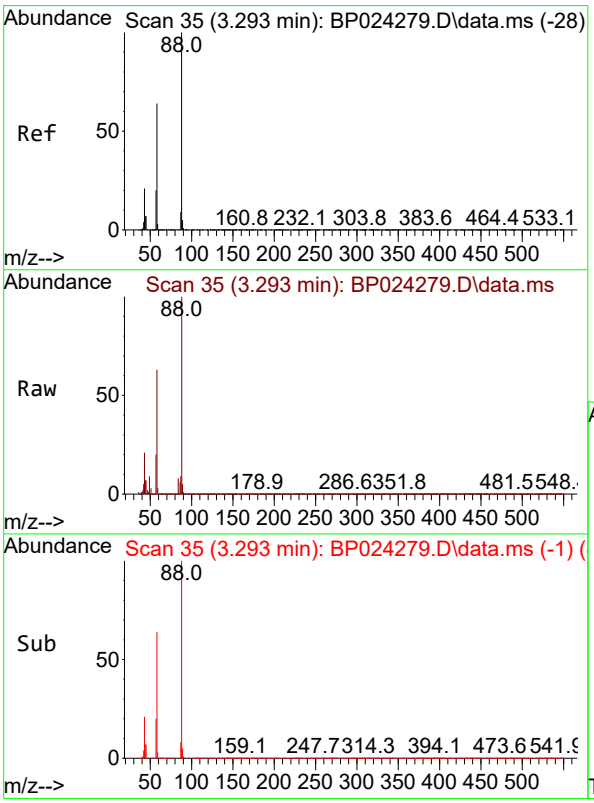
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 246363

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.9	187.3
115	59.6	47.7	71.5

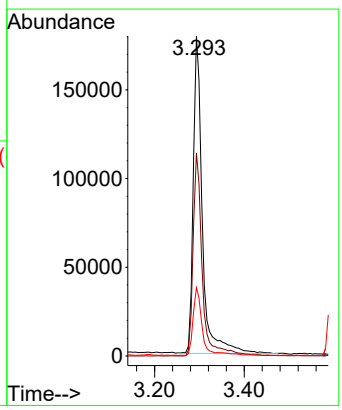


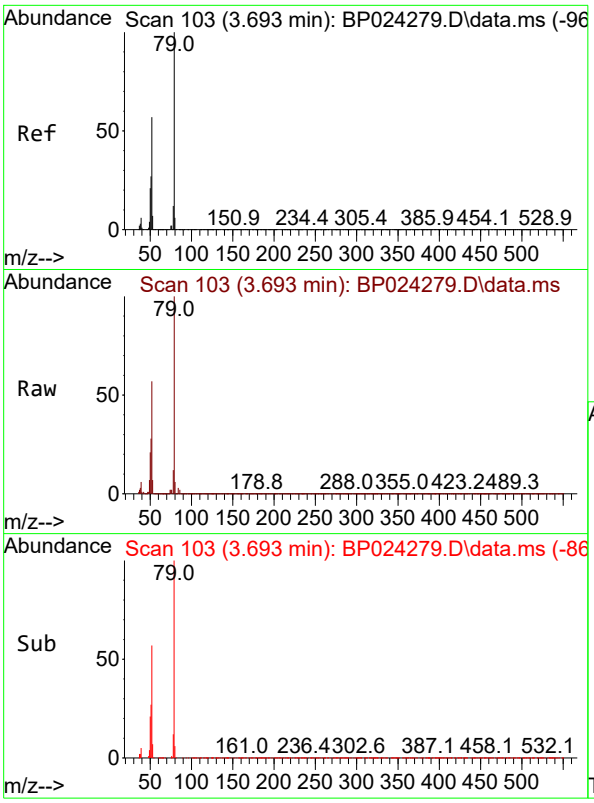


#2
1,4-Dioxane
Concen: 39.624 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 88 Resp: 252519

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	21.4	17.1	25.7



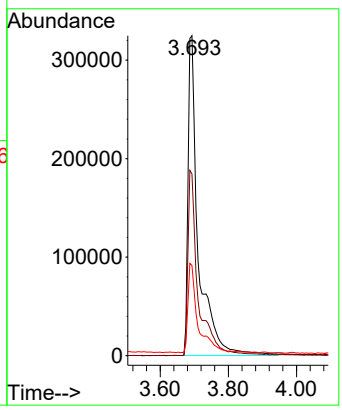


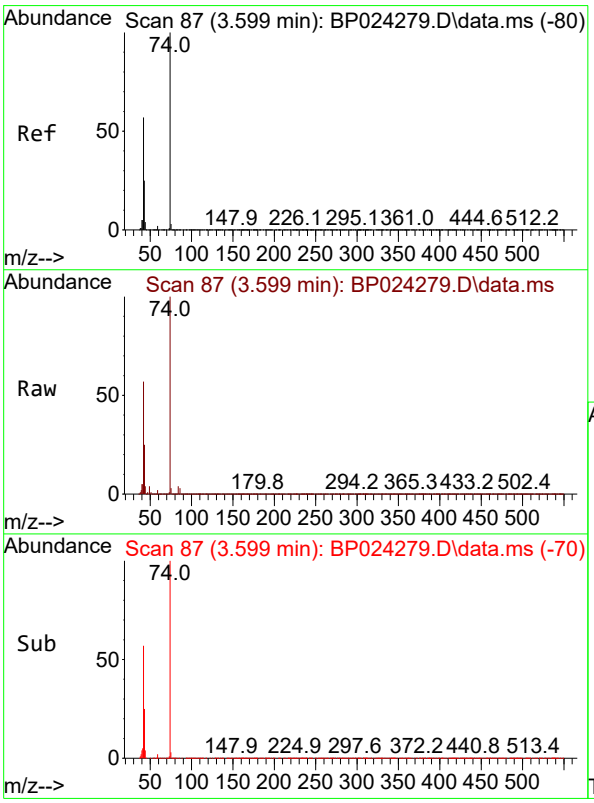
#3
Pyridine
Concen: 41.457 ng
RT: 3.693 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 687730

Ion	Ratio	Lower	Upper
79	100		
52	56.8	45.4	68.2
51	28.2	22.6	33.8

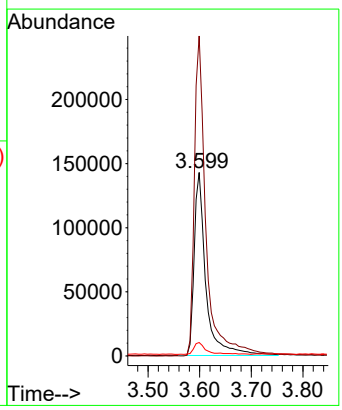


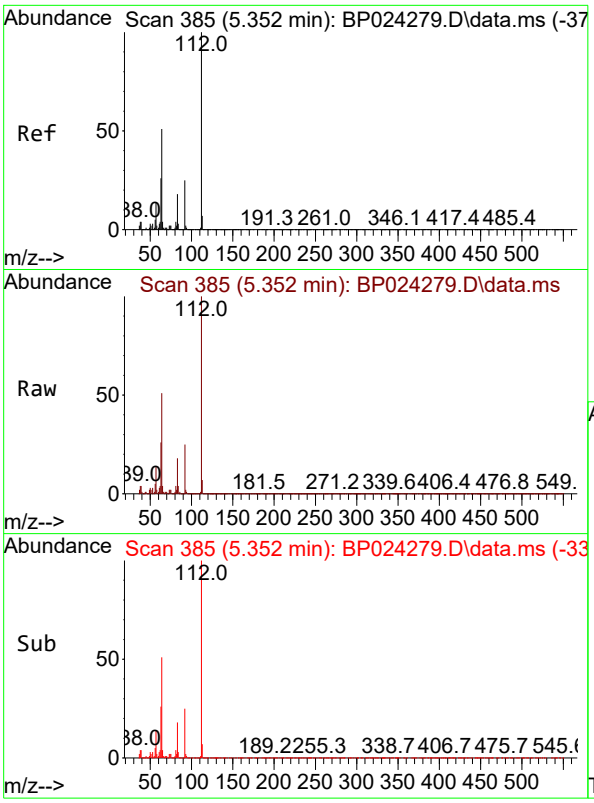


#4
n-Nitrosodimethylamine
Concen: 40.725 ng
RT: 3.599 min Scan# 87
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 42 Resp: 225273

Ion	Ratio	Lower	Upper
42	100		
74	174.4	139.5	209.3
44	7.3	5.8	8.8



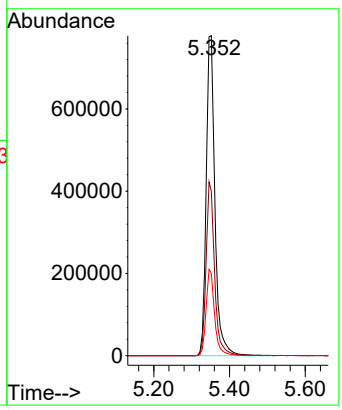


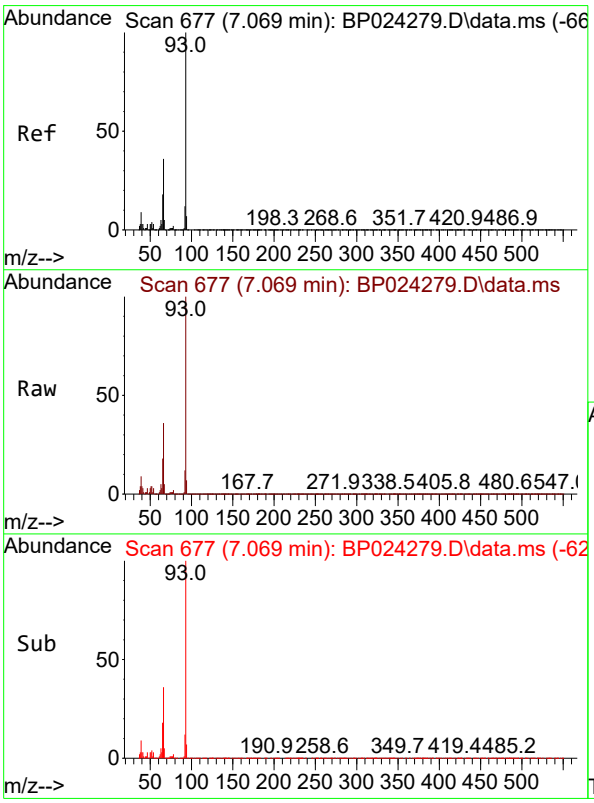
#5
2-Fluorophenol
Concen: 82.813 ng
RT: 5.352 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1236220

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	25.7	20.6	30.8

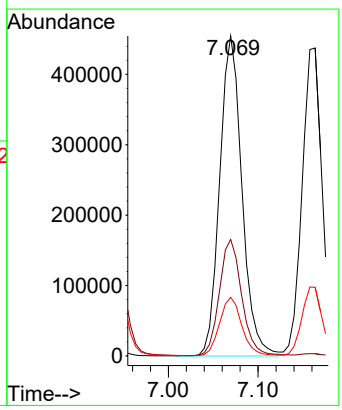


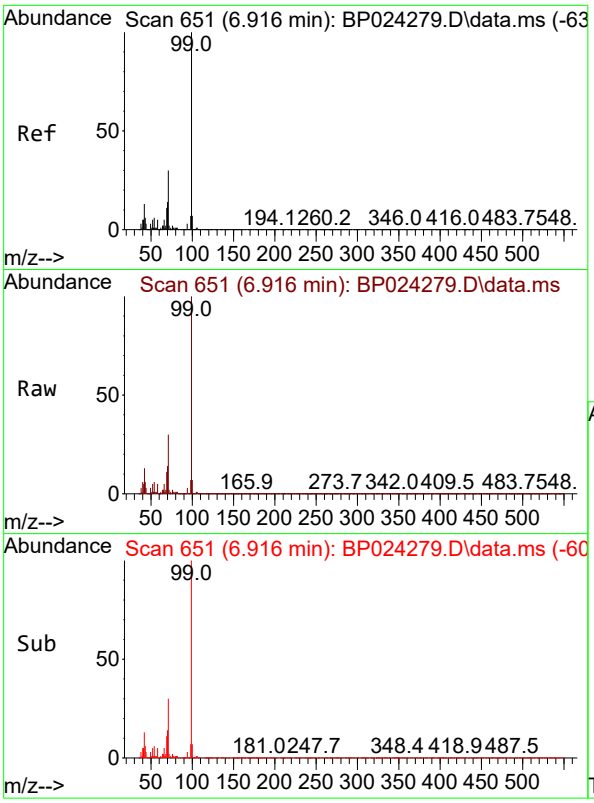


#6
Aniline
Concen: 42.413 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 93 Resp: 781907

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.4	14.7	22.1



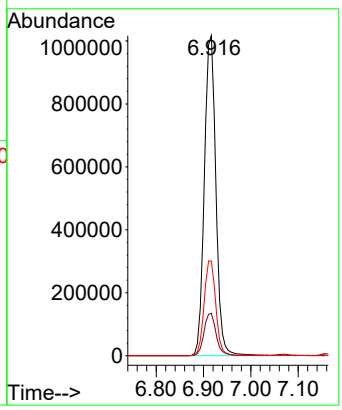


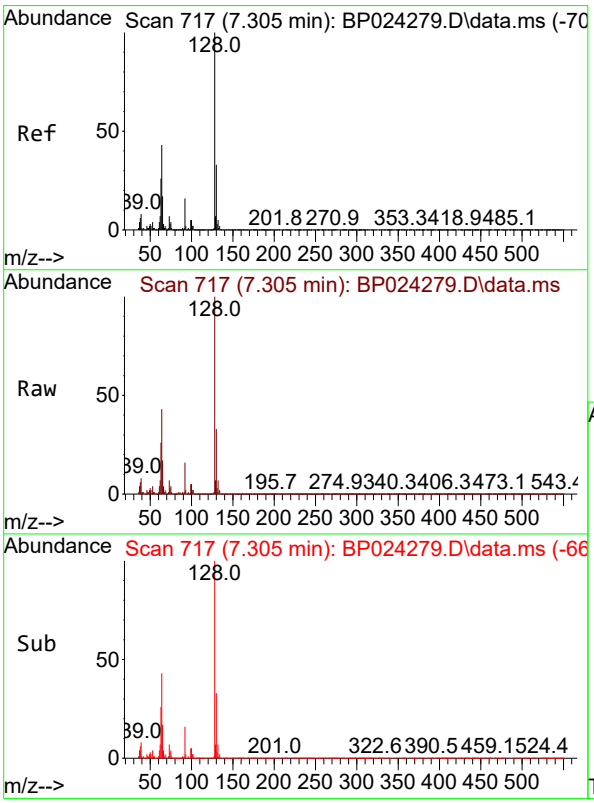
#7
Phenol-d6
Concen: 84.332 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1722202

Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	16.0
71	29.6	23.7	35.5

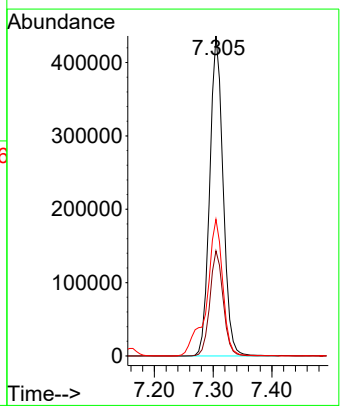


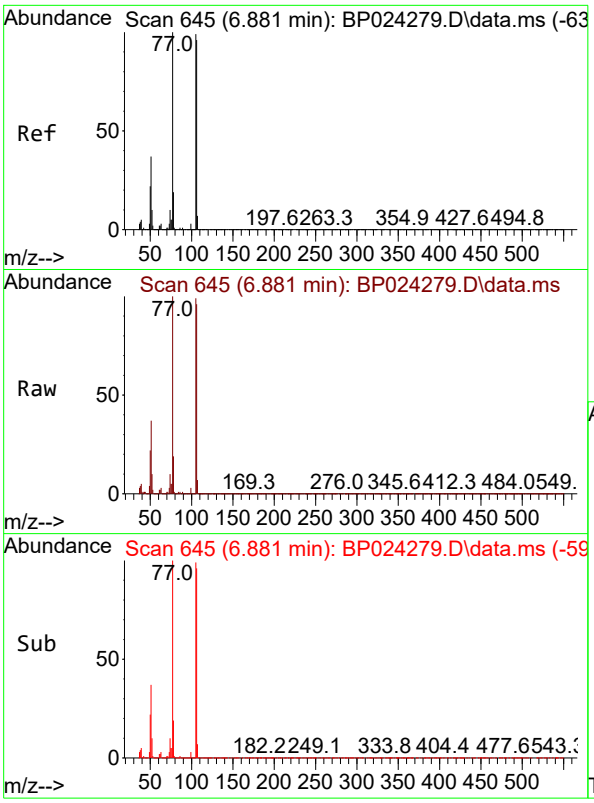


#8
2-Chlorophenol
Concen: 41.317 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:128 Resp: 689257

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	42.7	22.7	62.7



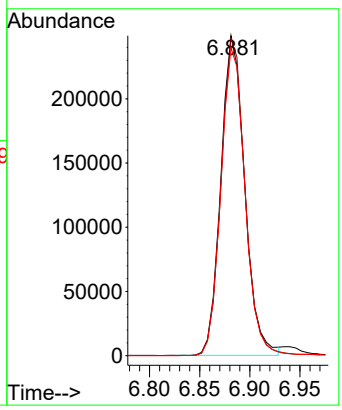


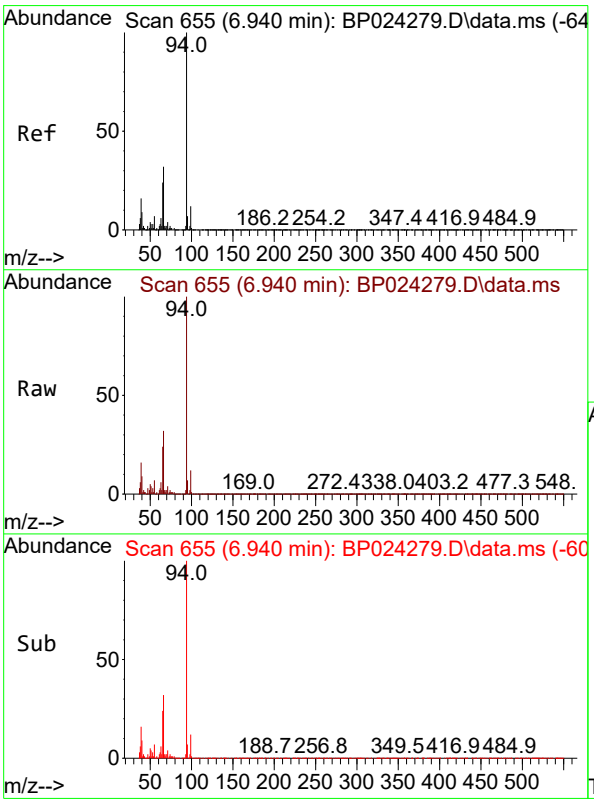
#9
Benzaldehyde
Concen: 38.937 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 411846

Ion	Ratio	Lower	Upper
77	100		
105	99.2	79.2	119.2
106	96.2	76.2	116.2

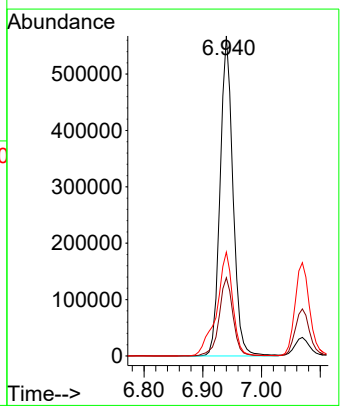


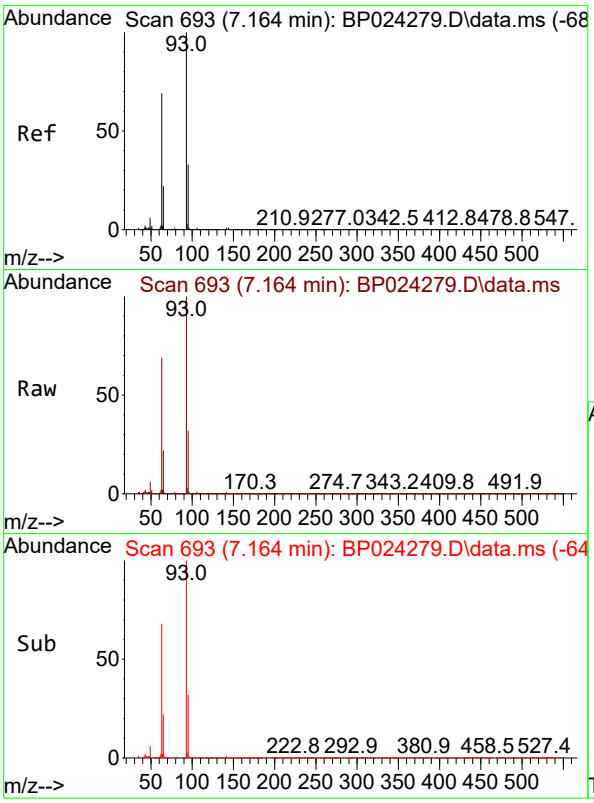


#10
Phenol
Concen: 42.050 ng
RT: 6.940 min Scan# 655
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 94 Resp: 862244

Ion	Ratio	Lower	Upper
94	100		
65	24.5	4.5	44.5
66	32.4	12.4	52.4



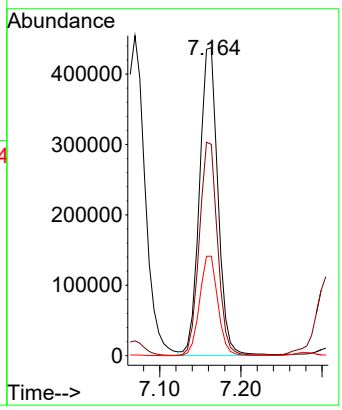


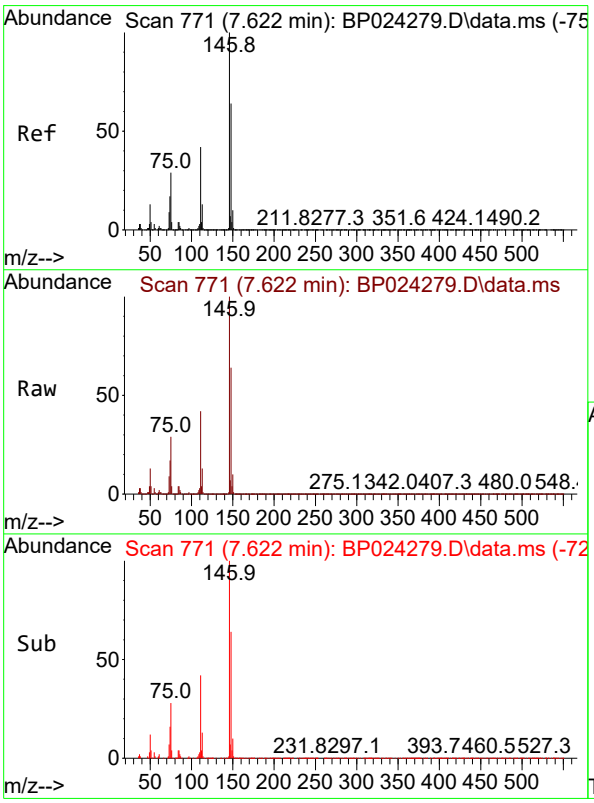
#11
bis(2-Chloroethyl)ether
Concen: 41.581 ng
RT: 7.164 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 688989

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	32.3	12.3	52.3

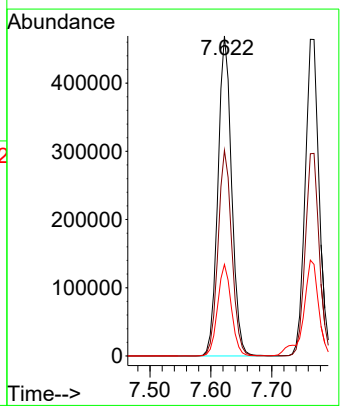


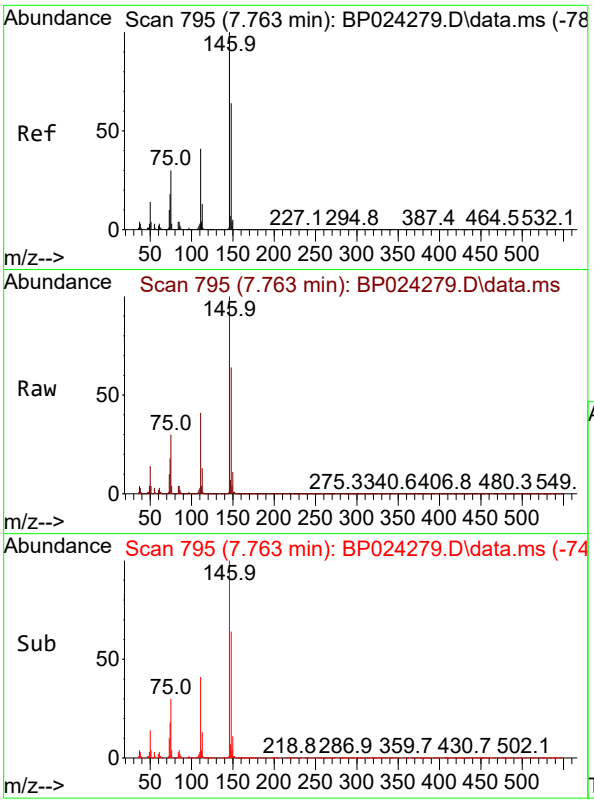


#12
1,3-Dichlorobenzene
Concen: 40.516 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:146 Resp: 732329

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.6	22.9	34.3



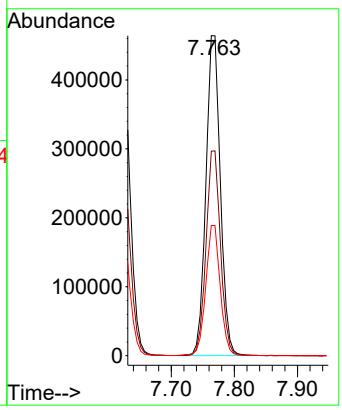


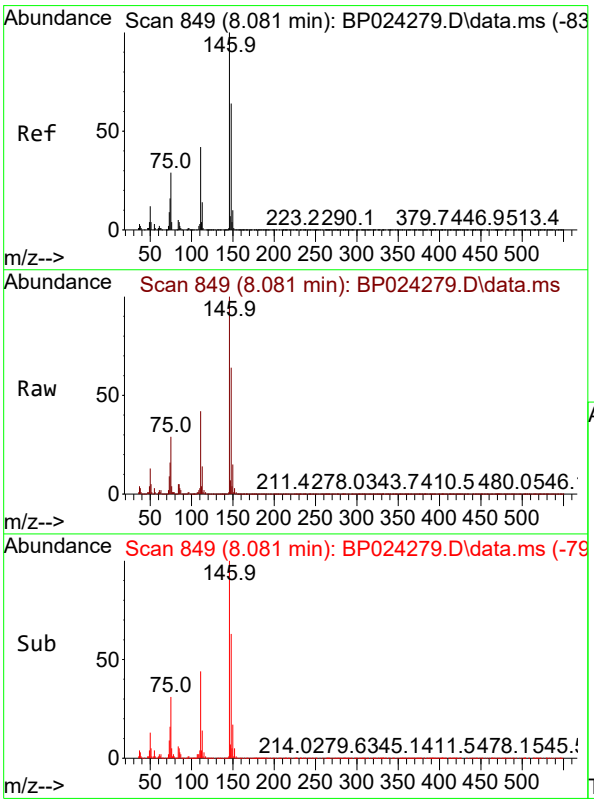
#13
1,4-Dichlorobenzene
Concen: 40.171 ng
RT: 7.763 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 736270

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	40.7	32.6	48.8

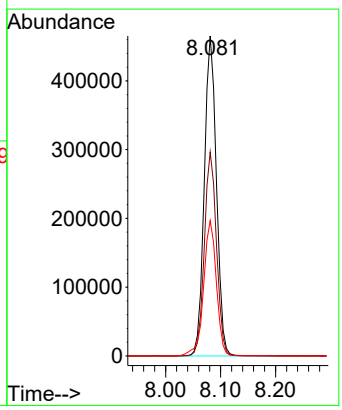


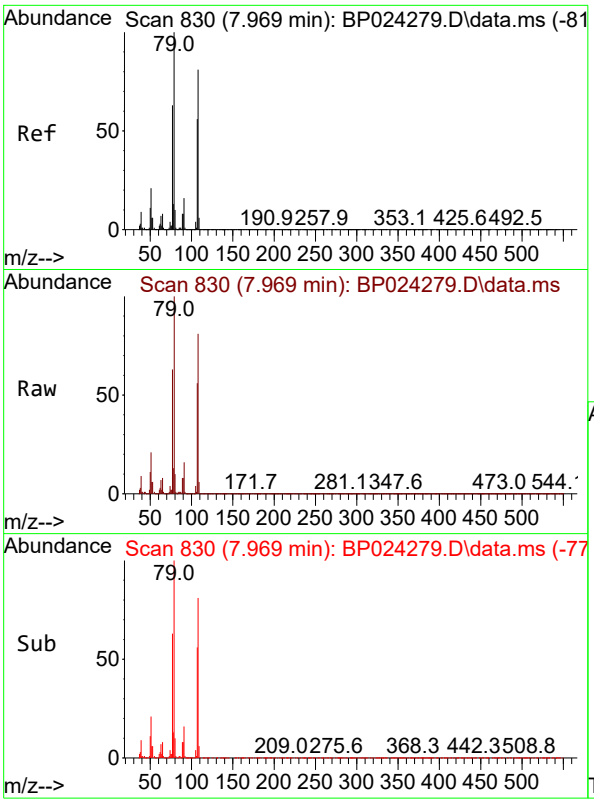


#14
1,2-Dichlorobenzene
Concen: 40.172 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:146 Resp: 711951

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.3	33.8	50.8



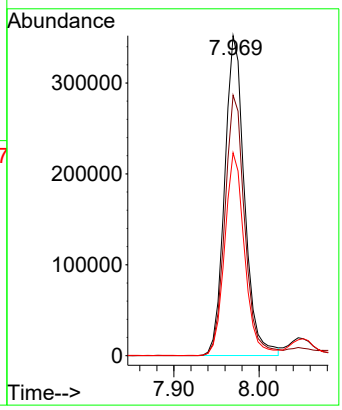


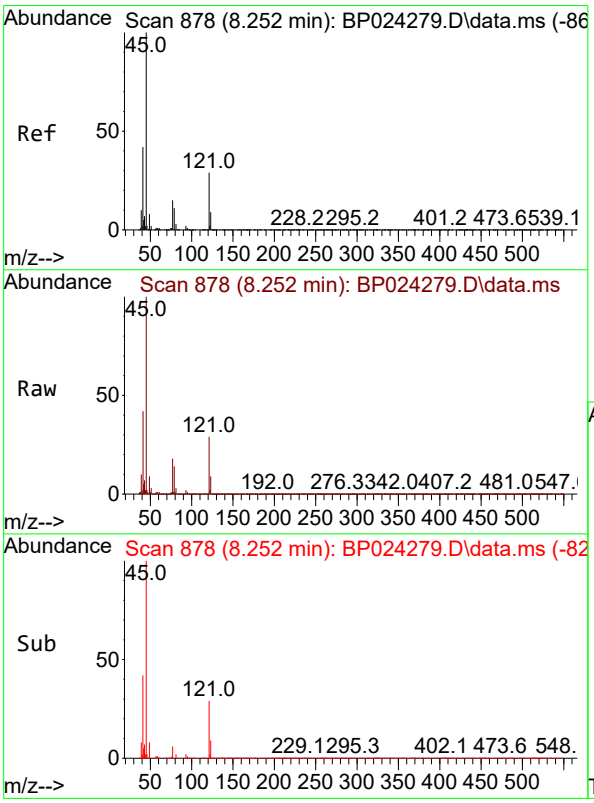
#15
Benzyl Alcohol
Concen: 43.581 ng
RT: 7.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 570437

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.4	50.7	76.1

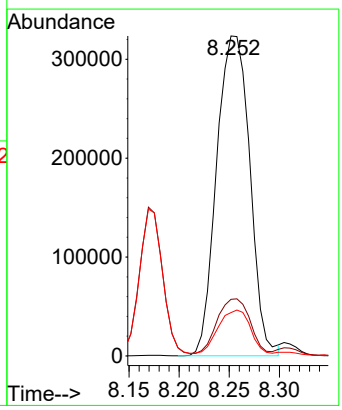


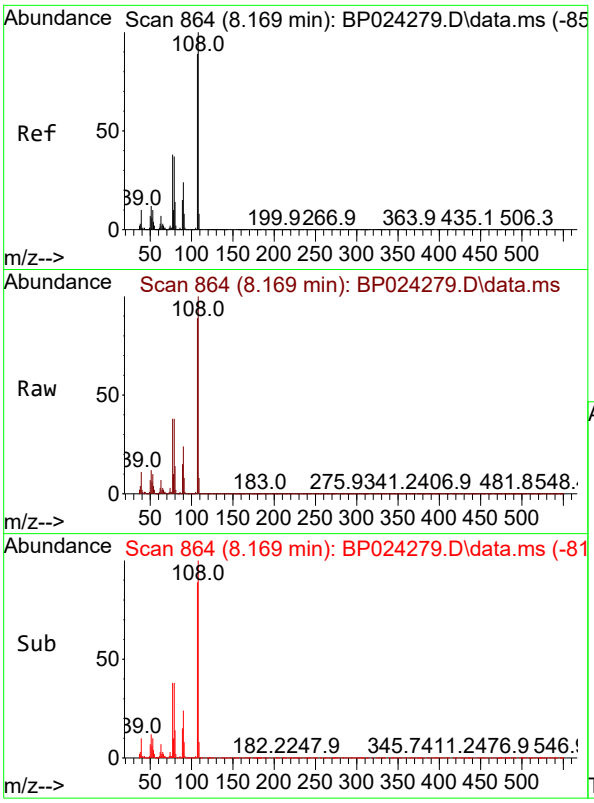


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.386 ng
RT: 8.252 min Scan# 878
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 45 Resp: 746041

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	13.5	0.0	33.5



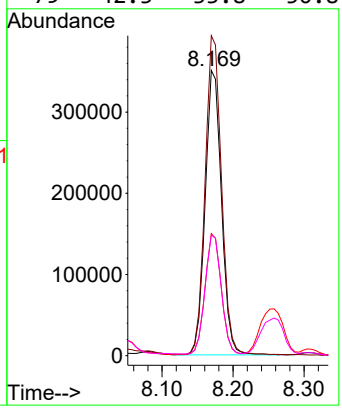


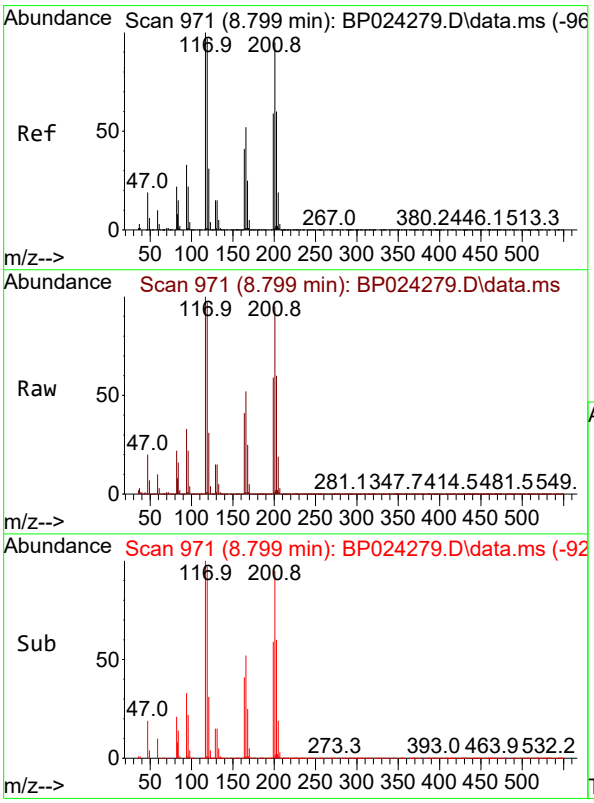
#17
2-Methylphenol
Concen: 42.503 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 561621

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.8	134.6
77	42.8	34.2	51.4
79	42.3	33.8	50.8

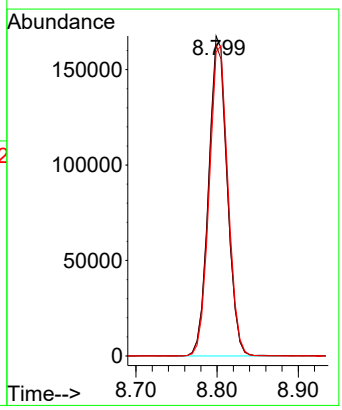


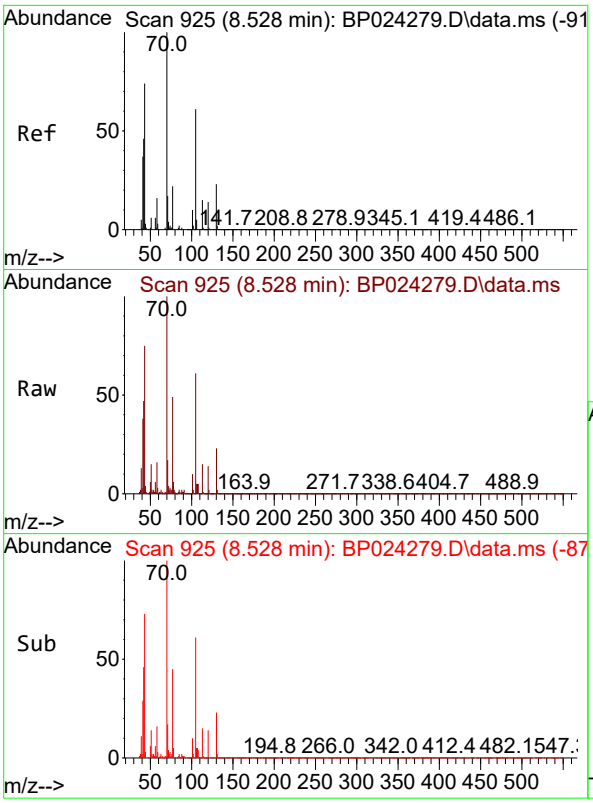


#18
Hexachloroethane
Concen: 40.349 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:117 Resp: 266915

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
201	94.9	75.9	113.9



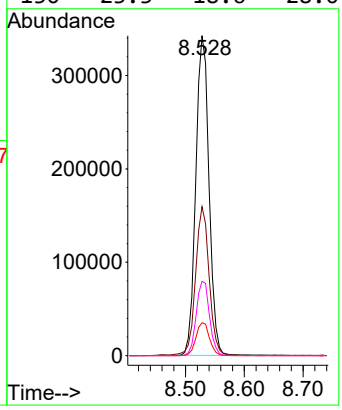


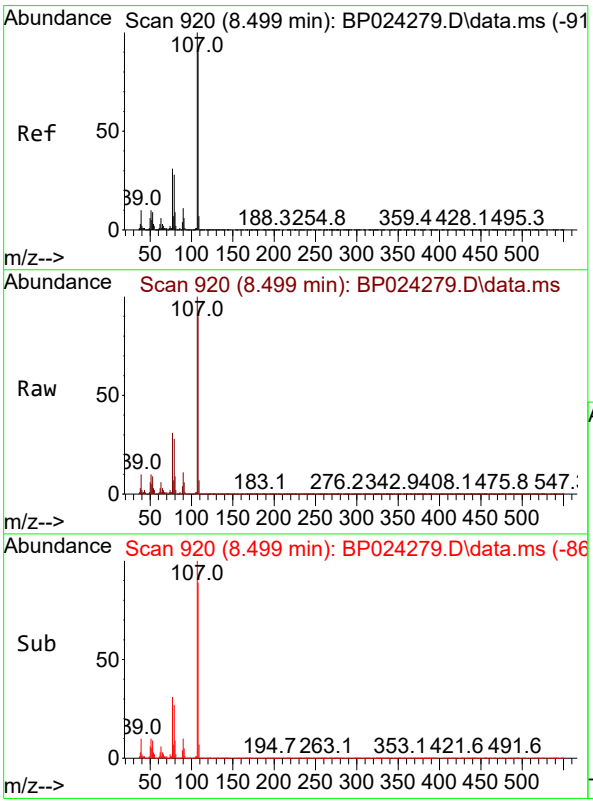
#19
n-Nitroso-di-n-propylamine
Concen: 42.092 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 533912

Ion	Ratio	Lower	Upper
70	100		
42	46.6	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

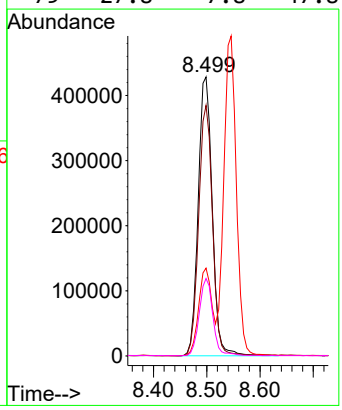


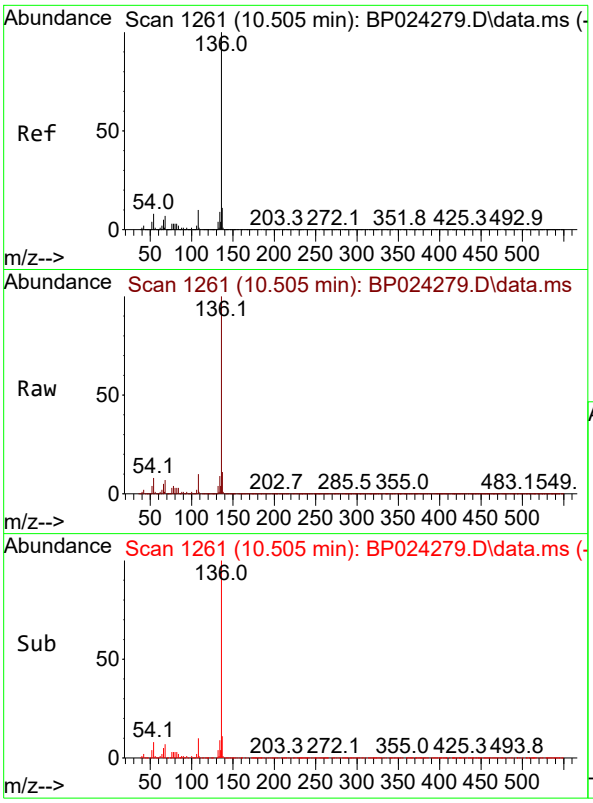


#20
3+4-Methylphenols
Concen: 42.854 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:107 Resp: 784336

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.8	109.8
77	31.5	11.5	51.5
79	27.8	7.8	47.8



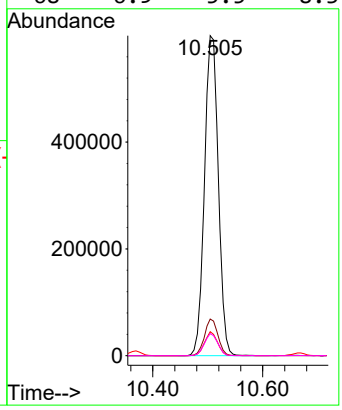


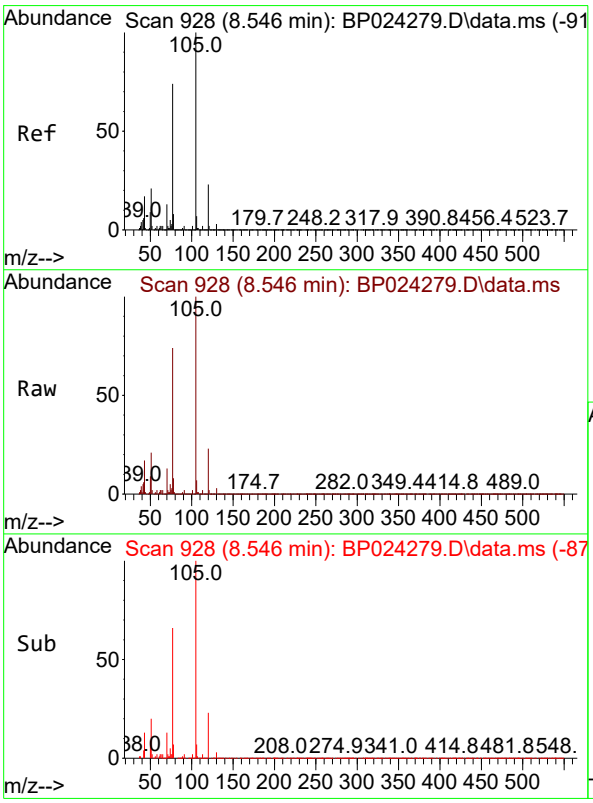
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1046876

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	6.9	5.5	8.3

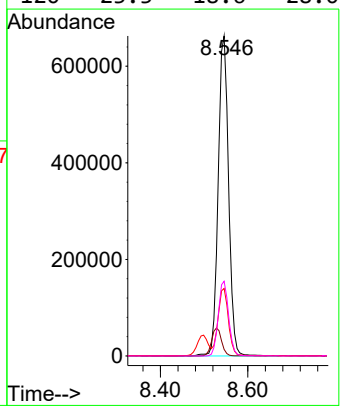


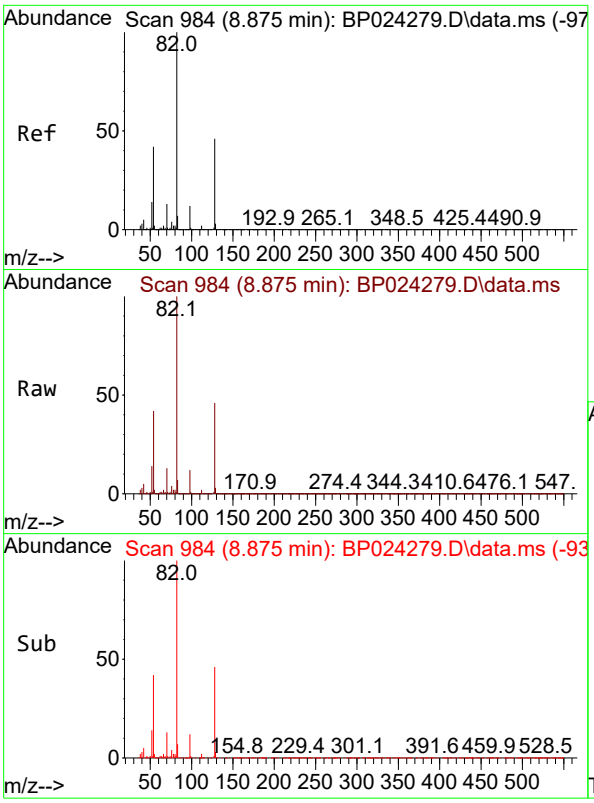


#22
Acetophenone
Concen: 41.770 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:105 Resp: 1086788

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.1	16.9	25.3
120	23.3	18.6	28.0



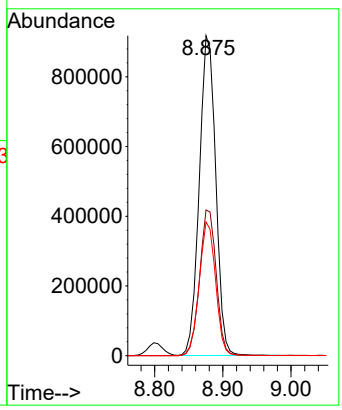


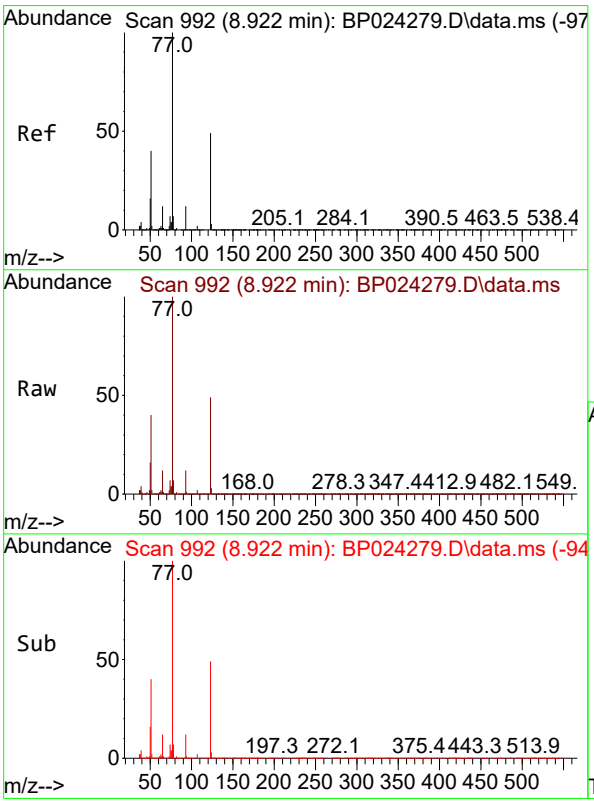
#23
Nitrobenzene-d5
Concen: 83.791 ng
RT: 8.875 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1540790

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	41.8	33.4	50.2

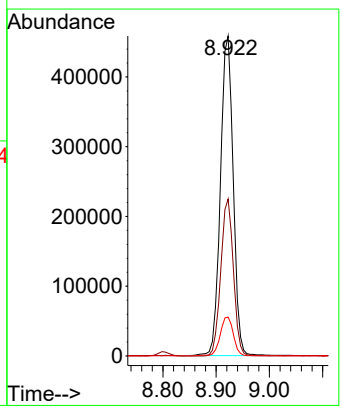


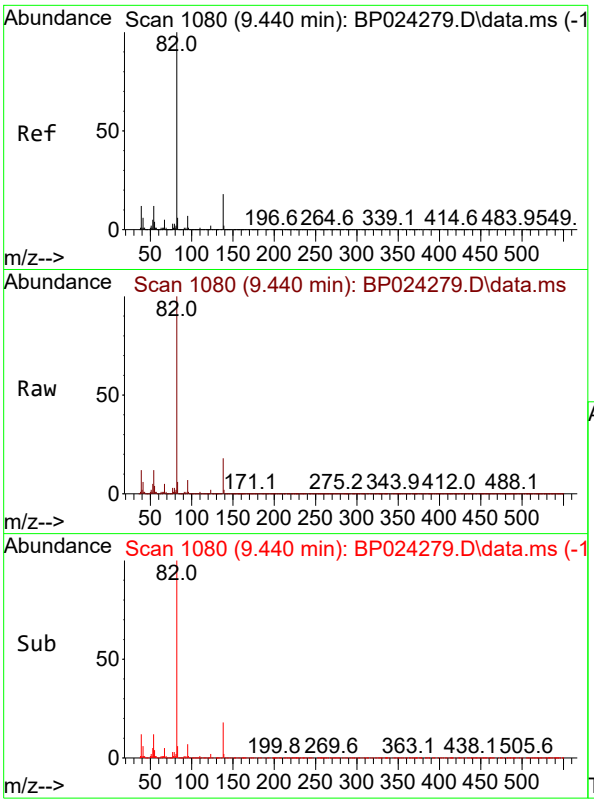


#24
Nitrobenzene
Concen: 41.852 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 77 Resp: 762756

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	12.2	9.8	14.6



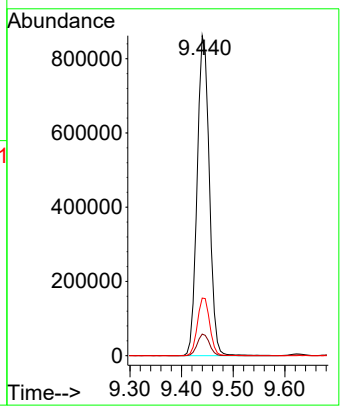


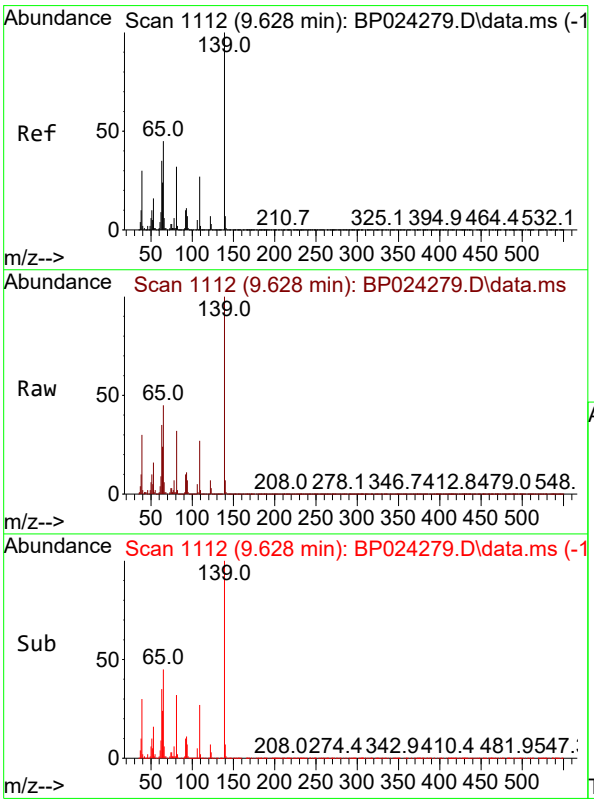
#25
Isophorone
Concen: 42.419 ng
RT: 9.440 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1408146

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.0	14.4	21.6

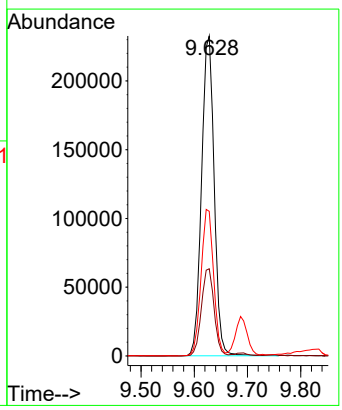


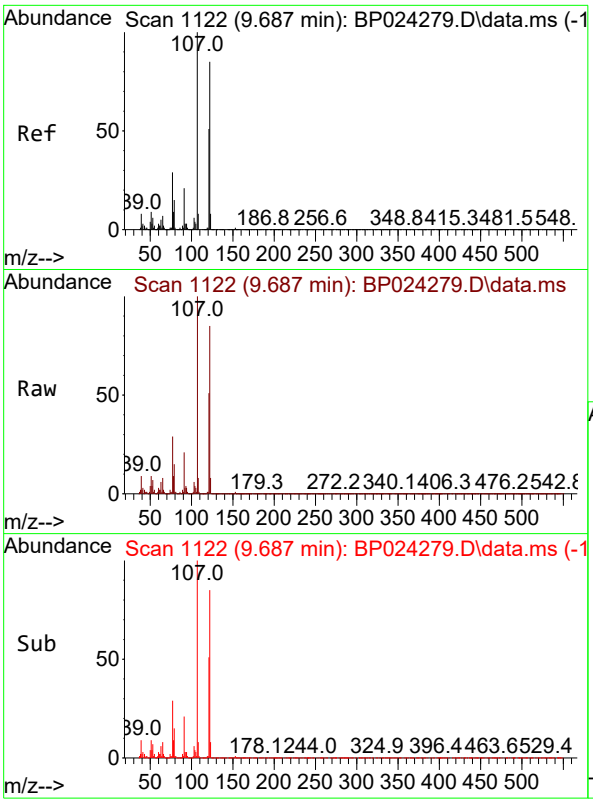


#26
2-Nitrophenol
Concen: 43.852 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:139 Resp: 383751

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.8	32.6
65	45.2	36.2	54.2



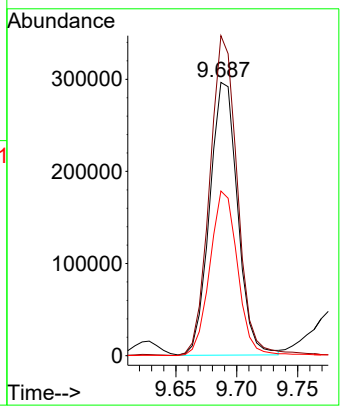


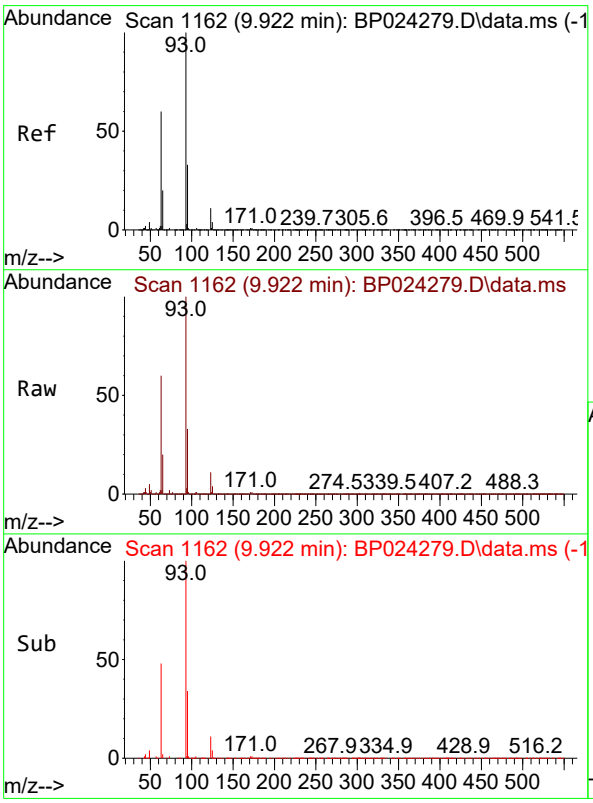
#27
2,4-Dimethylphenol
Concen: 42.600 ng
RT: 9.687 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 472488

Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	60.2	48.2	72.2

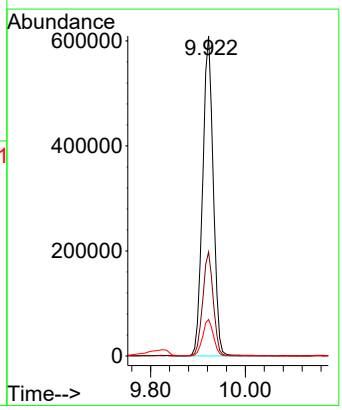


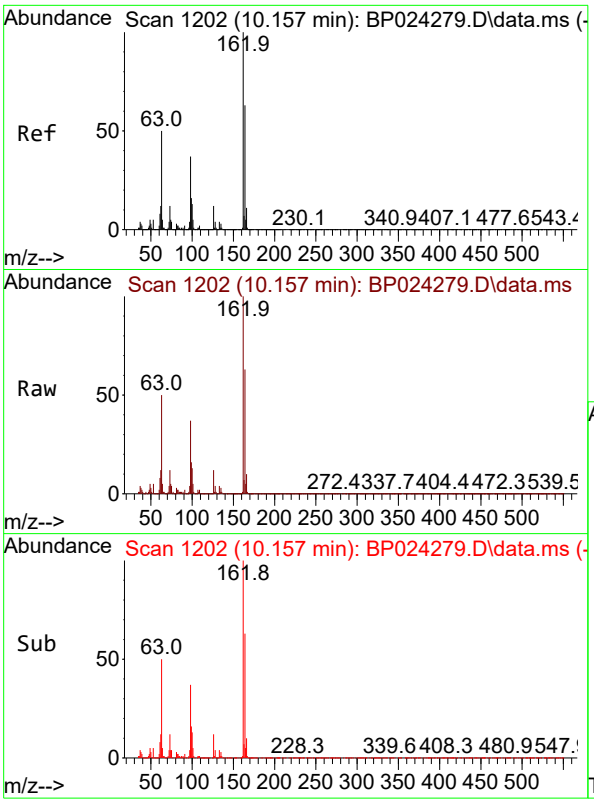


#28
bis(2-Chloroethoxy)methane
Concen: 41.926 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 93 Resp: 947250

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.4	9.1	13.7



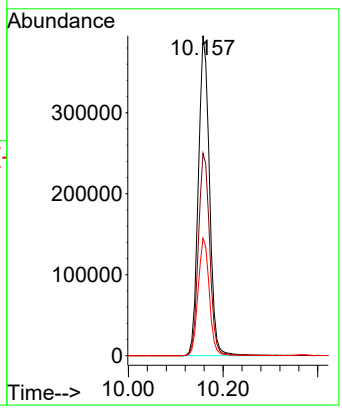


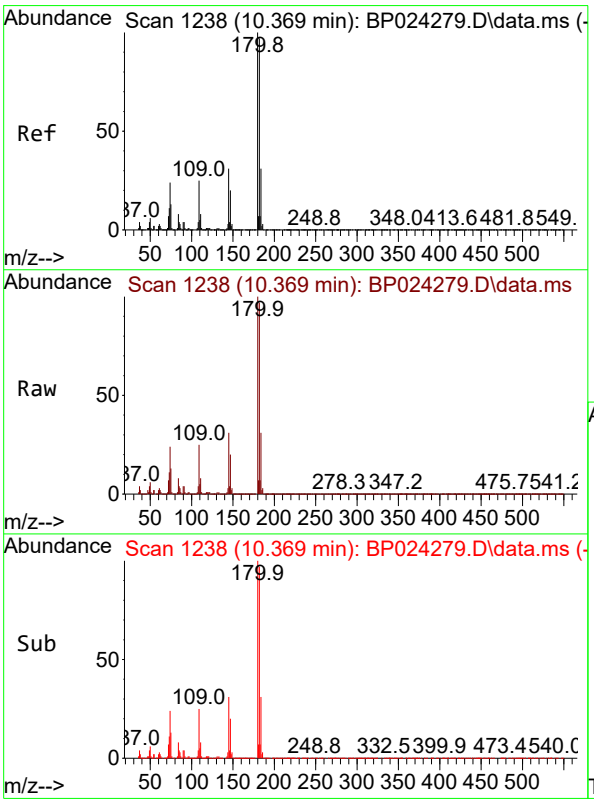
#29
2,4-Dichlorophenol
Concen: 42.725 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 645849

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.3	83.3
98	36.6	16.6	56.6

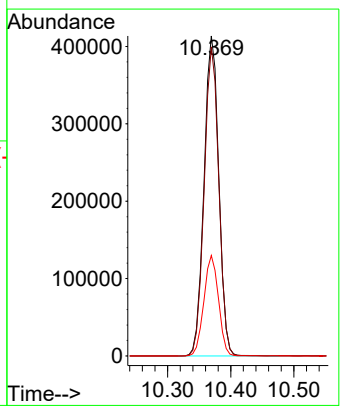


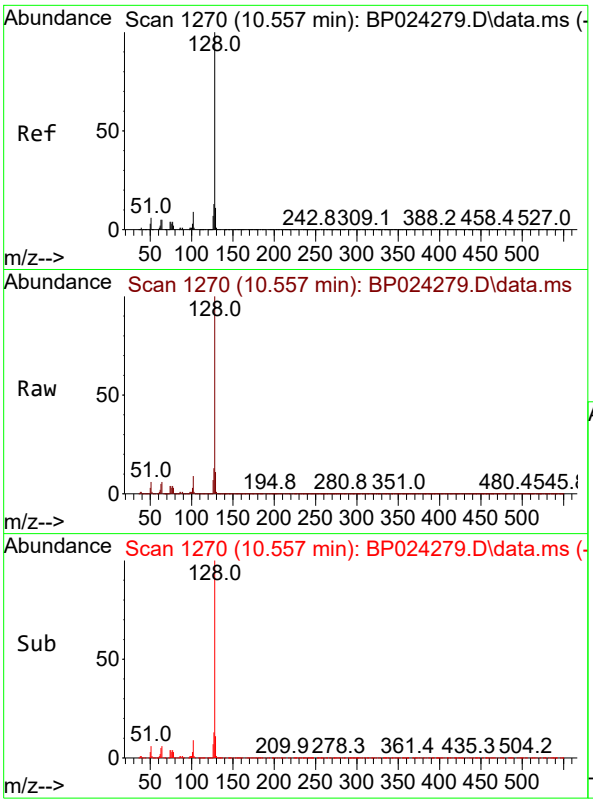


#30
1,2,4-Trichlorobenzene
Concen: 41.046 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:180 Resp: 671264

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	31.4	25.1	37.7



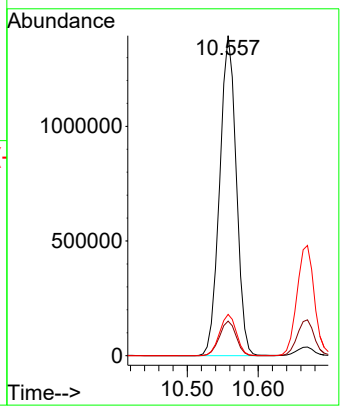


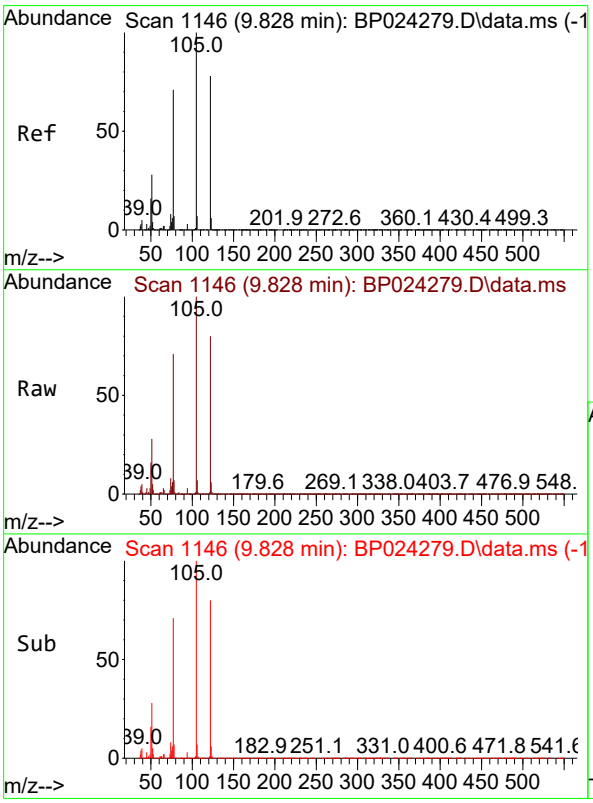
#31
Naphthalene
Concen: 40.765 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2258924

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.9	10.3	15.5

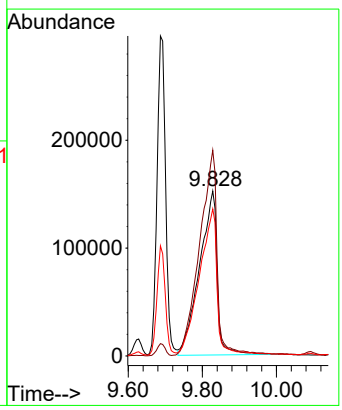


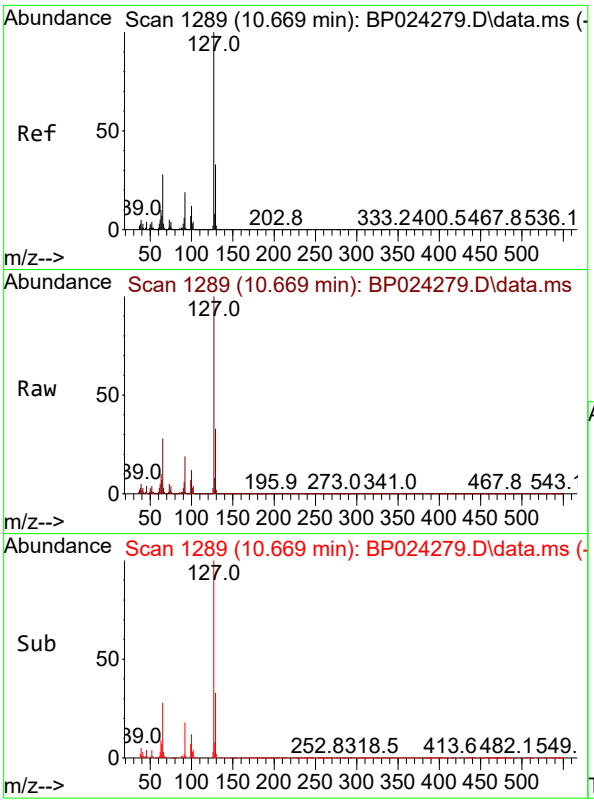


#32
Benzoic acid
Concen: 42.286 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:122 Resp: 506813

Ion	Ratio	Lower	Upper
122	100		
105	124.8	104.8	144.8
77	89.2	69.2	109.2



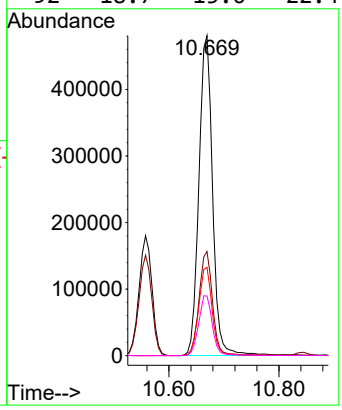


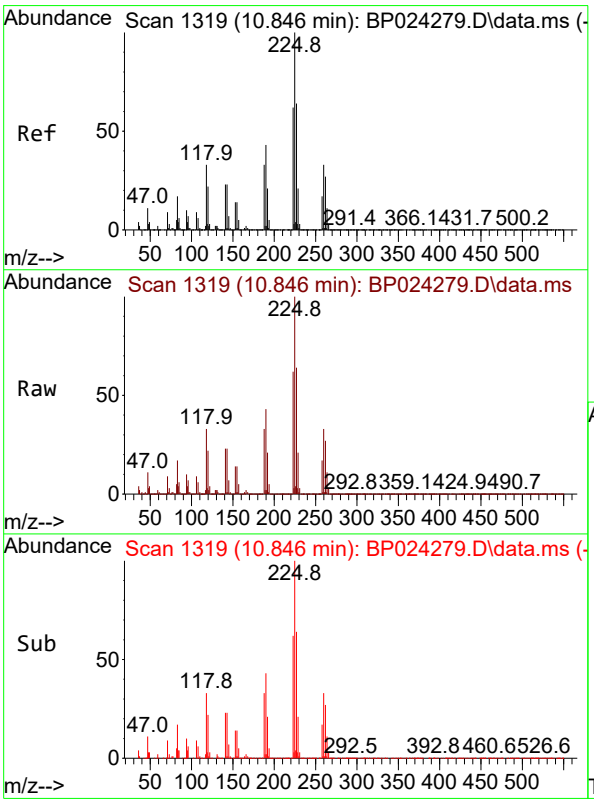
#33
4-Chloroaniline
Concen: 42.913 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 830870

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	27.6	22.1	33.1
92	18.7	15.0	22.4

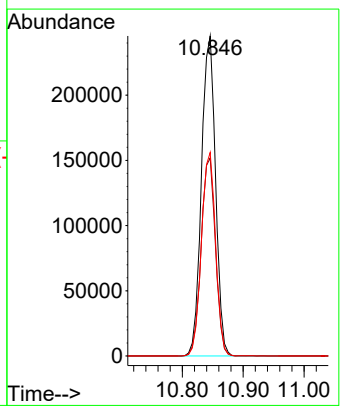


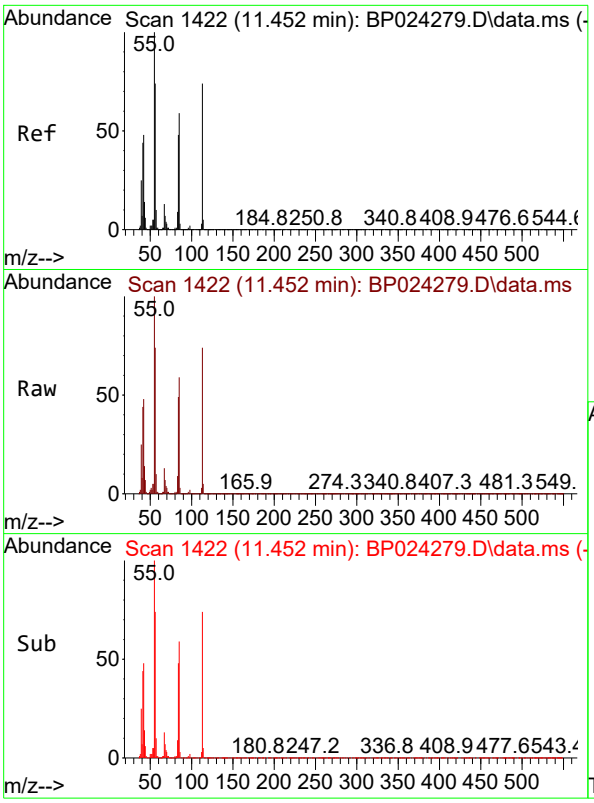


#34
Hexachlorobutadiene
Concen: 41.146 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:225 Resp: 394737

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.6	50.9	76.3



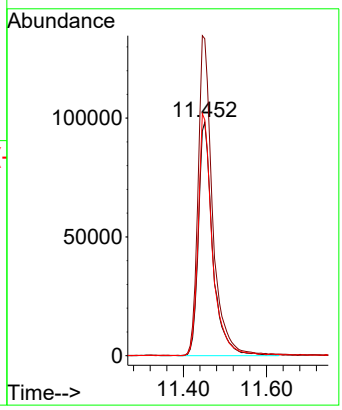


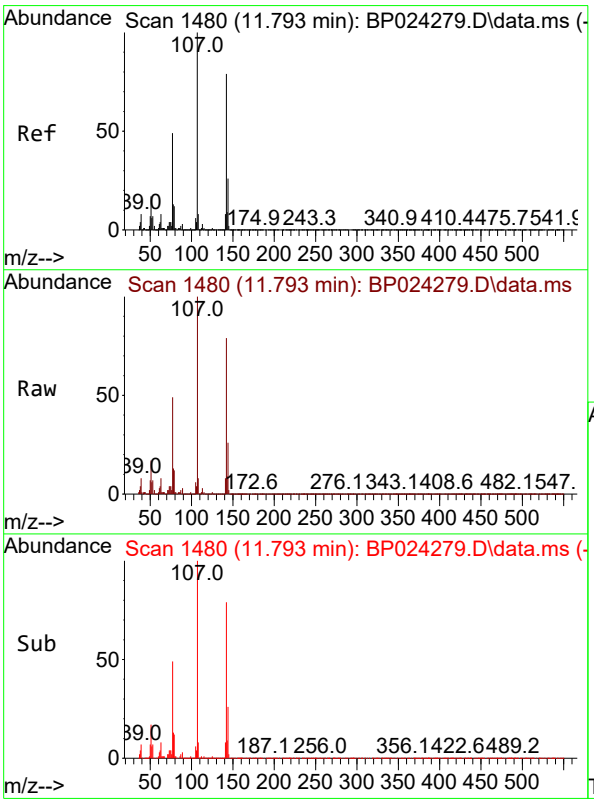
#35
Caprolactam
Concen: 42.256 ng
RT: 11.452 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 234519

Ion	Ratio	Lower	Upper
113	100		
55	135.9	115.9	155.9
56	101.1	81.1	121.1

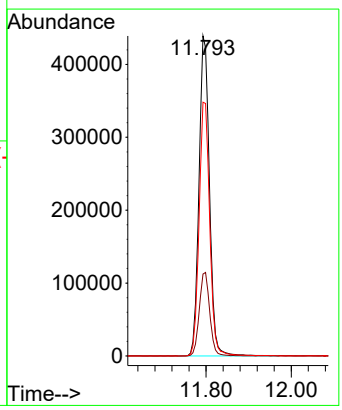


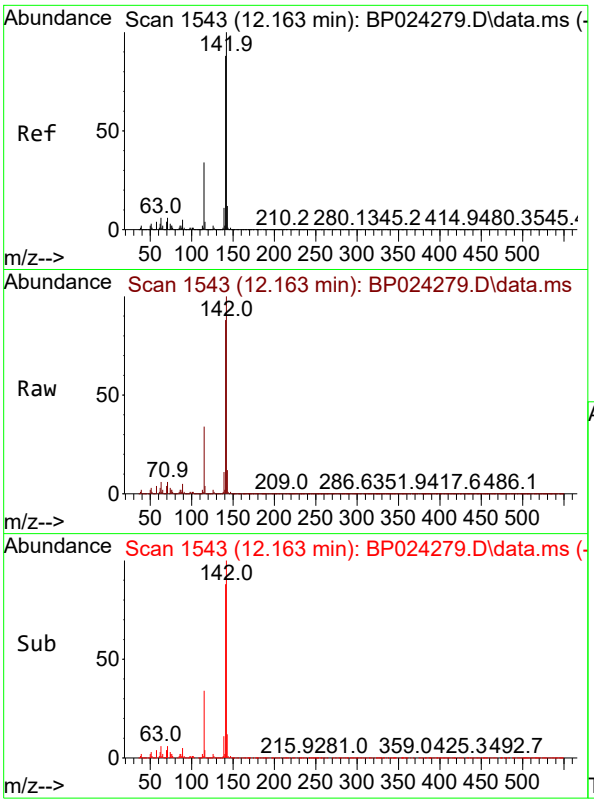


#36
4-Chloro-3-methylphenol
Concen: 42.438 ng
RT: 11.793 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:107 Resp: 747541

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.5	30.7
142	79.3	63.4	95.2



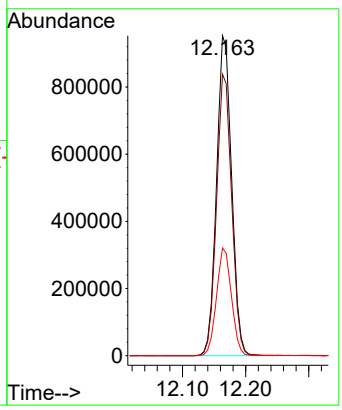


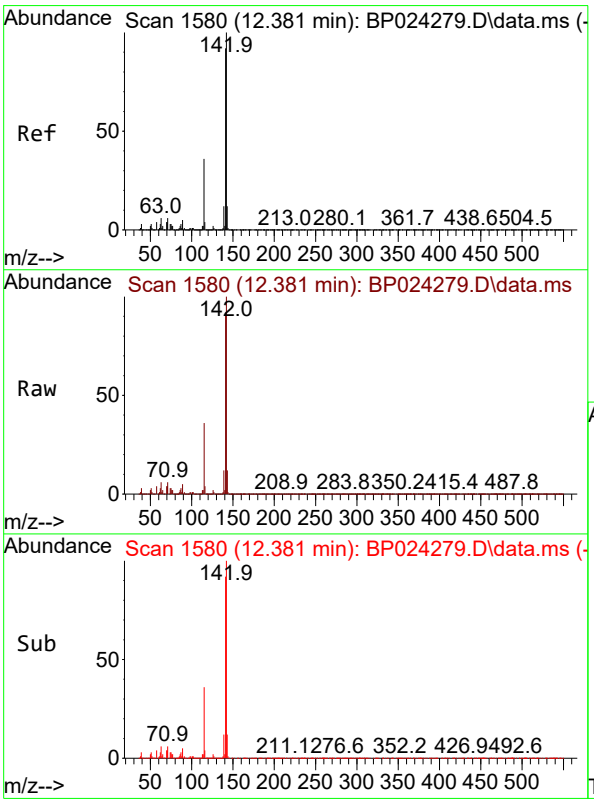
#37
2-Methylnaphthalene
Concen: 41.154 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1580497

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	33.6	26.9	40.3

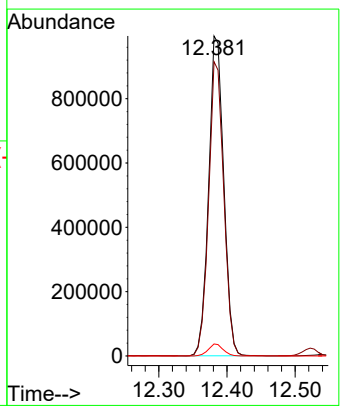


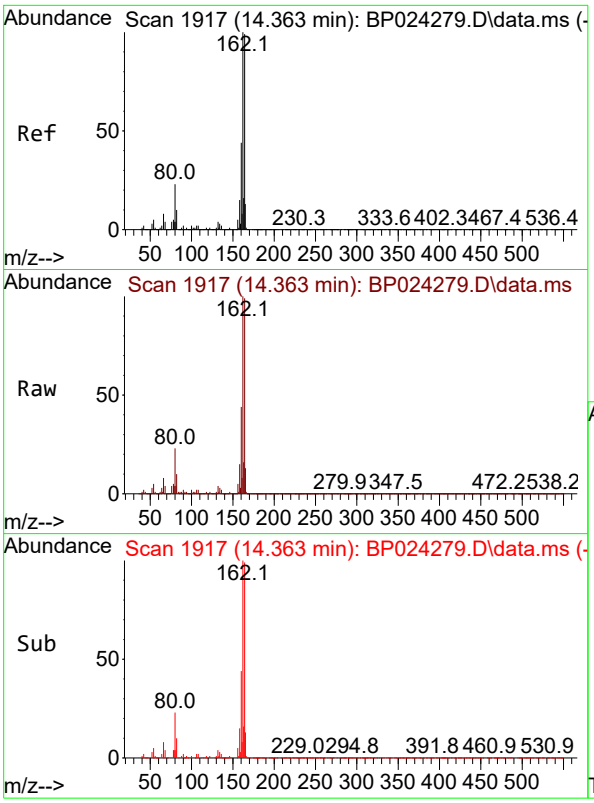


#38
1-Methylnaphthalene
Concen: 40.695 ng
RT: 12.381 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:142 Resp: 1530982

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.6	110.4
116	3.8	3.0	4.6



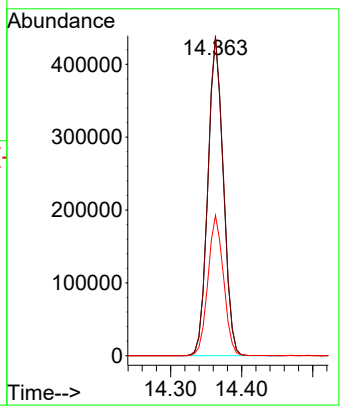


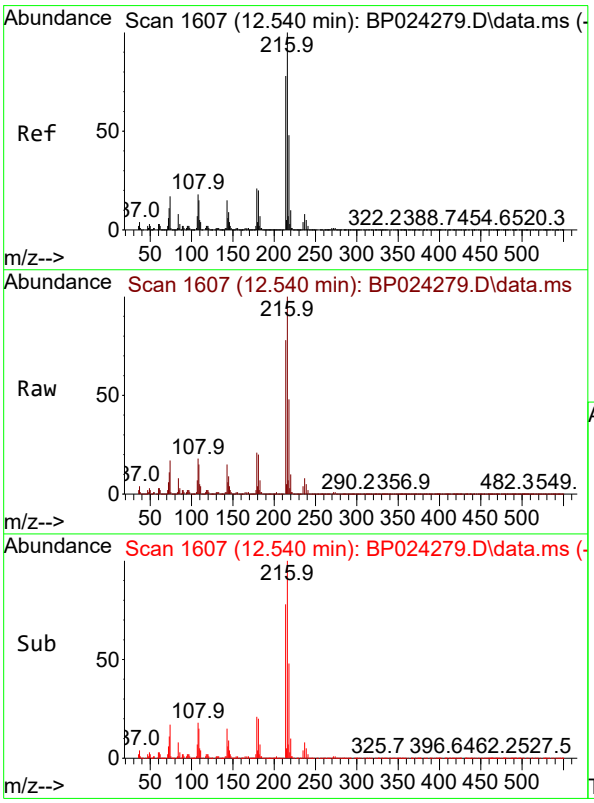
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 657357

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.1	35.3	52.9

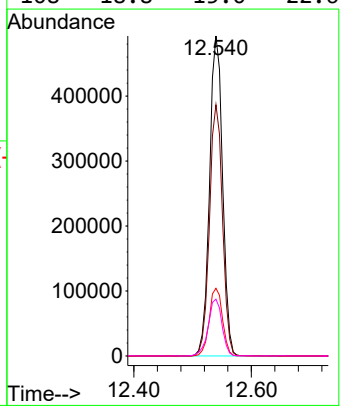


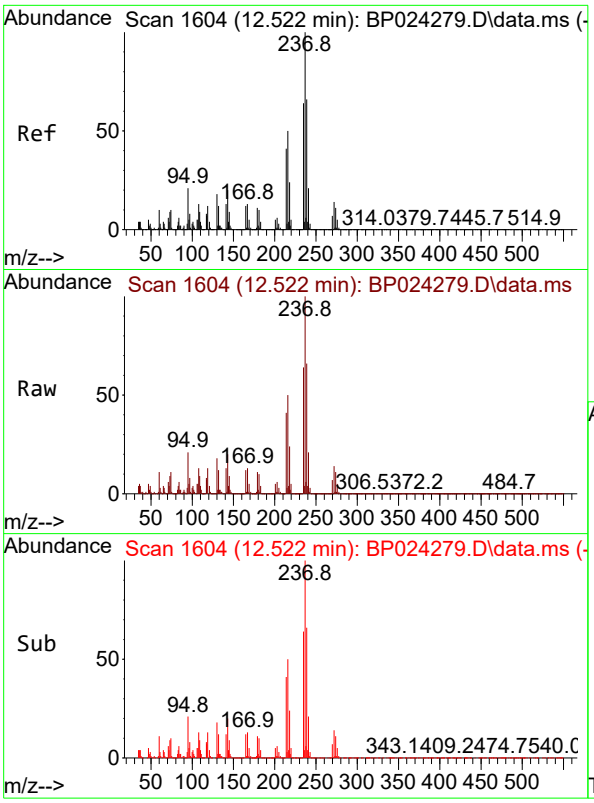


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.945 ng
RT: 12.540 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:216 Resp: 757748

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



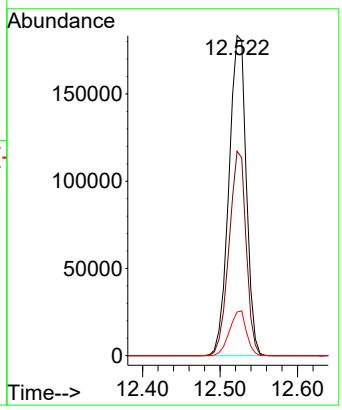


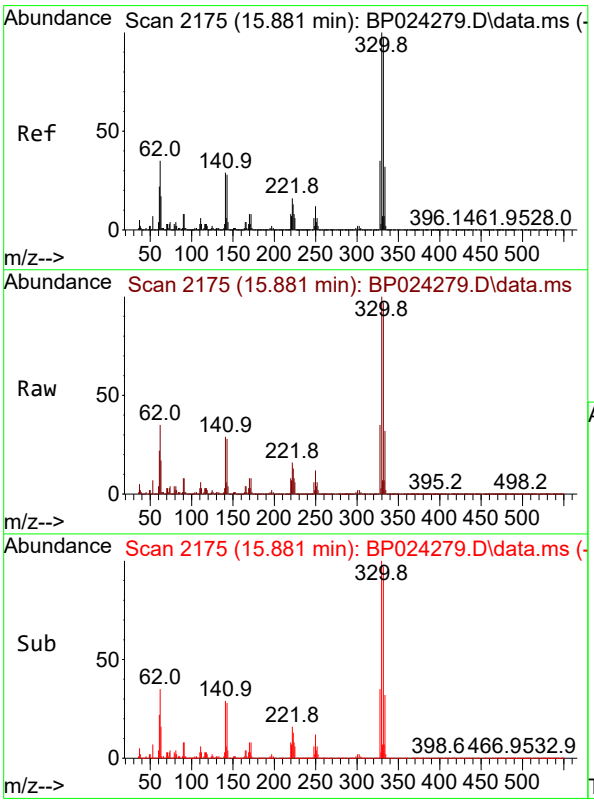
#41
Hexachlorocyclopentadiene
Concen: 45.116 ng
RT: 12.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 286135

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.6	0.0	33.6

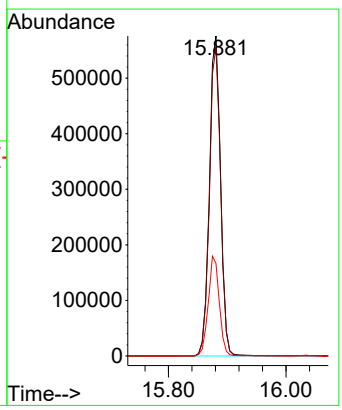


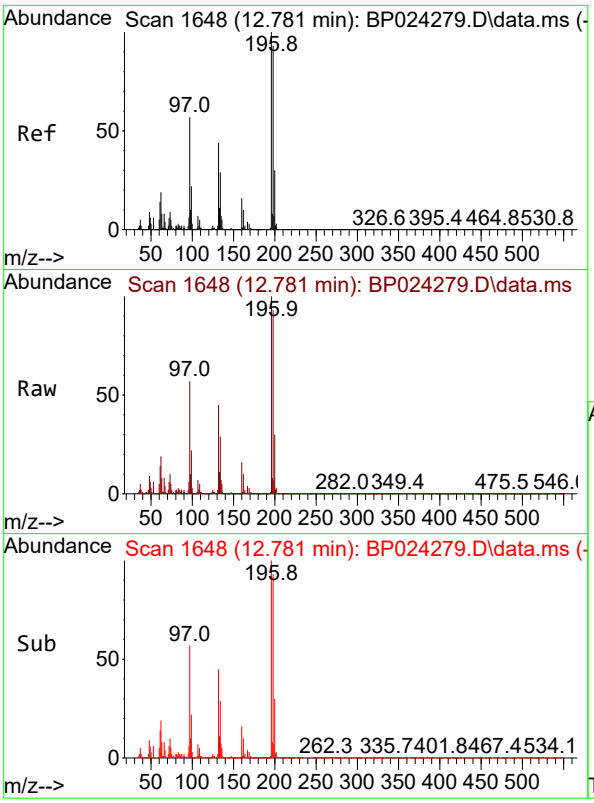


#42
2,4,6-Tribromophenol
Concen: 84.379 ng
RT: 15.881 min Scan# 2175
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:330 Resp: 759528

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	30.9	24.7	37.1



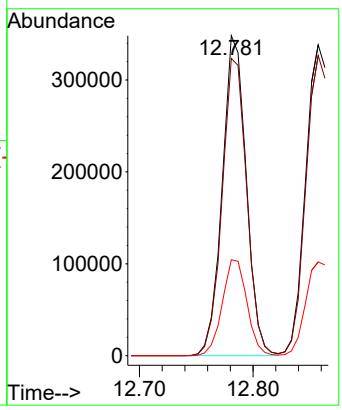


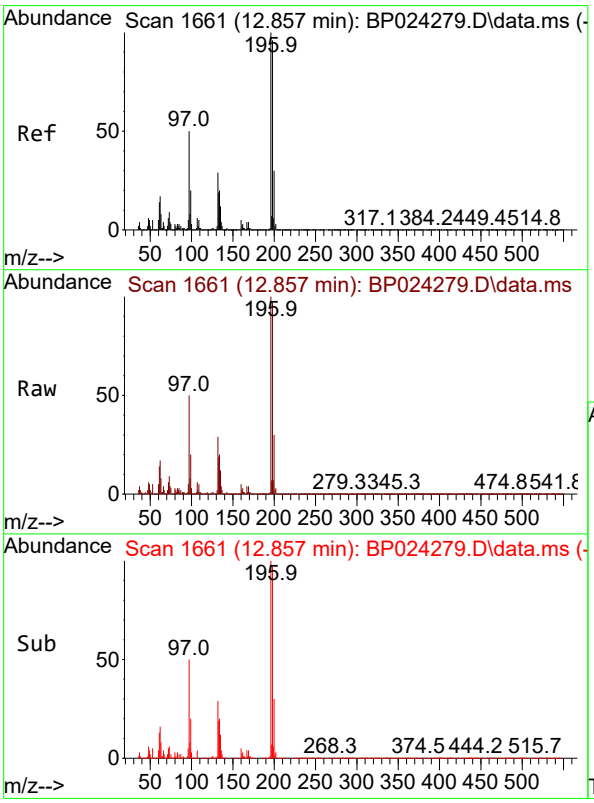
#43
2,4,6-Trichlorophenol
Concen: 43.038 ng
RT: 12.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 511566

Ion	Ratio	Lower	Upper
196	100		
198	92.9	74.3	111.5
200	30.0	24.0	36.0

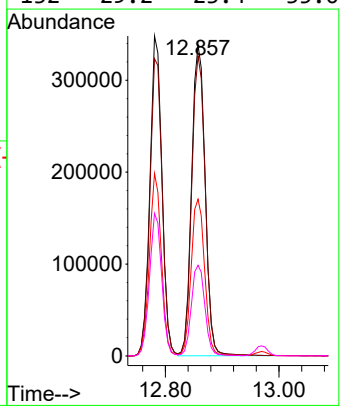


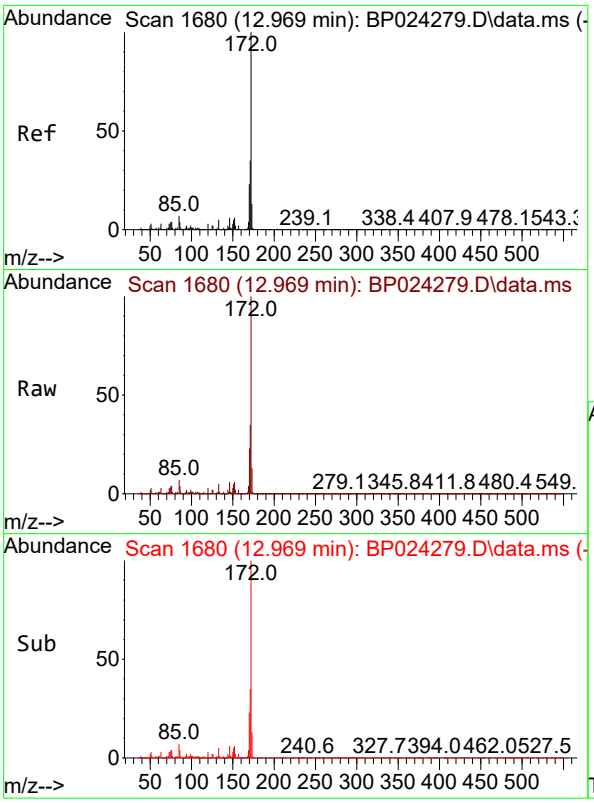


#44
2,4,5-Trichlorophenol
Concen: 42.637 ng
RT: 12.857 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:196 Resp: 561631

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	50.5	40.4	60.6
132	29.2	23.4	35.0



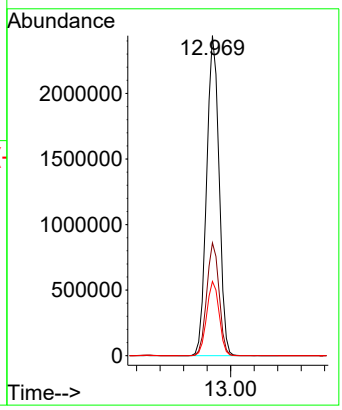


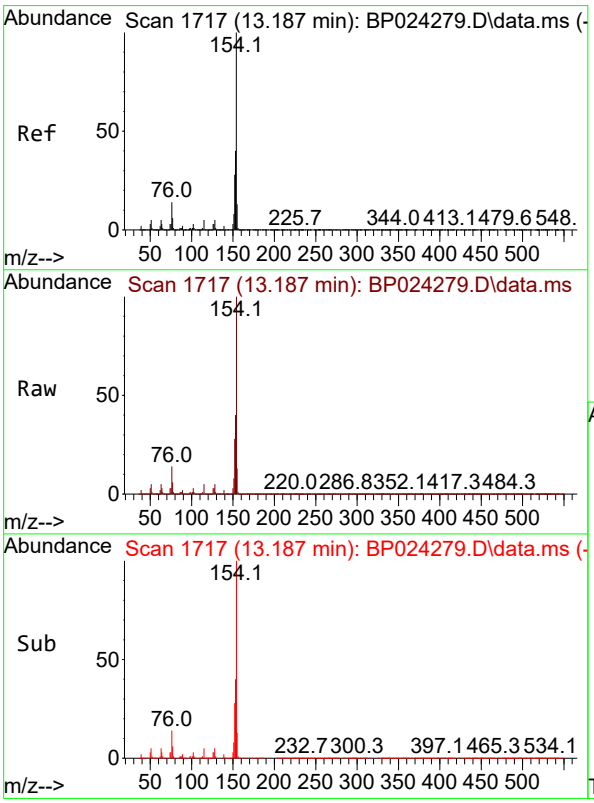
#45
2-Fluorobiphenyl
Concen: 82.939 ng
RT: 12.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3591010

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.2	18.6	27.8

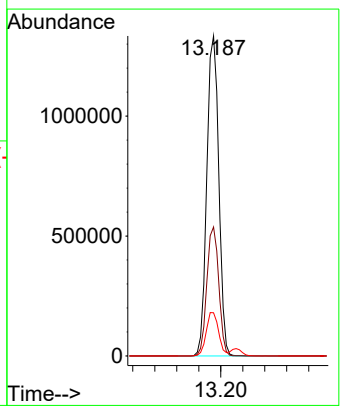


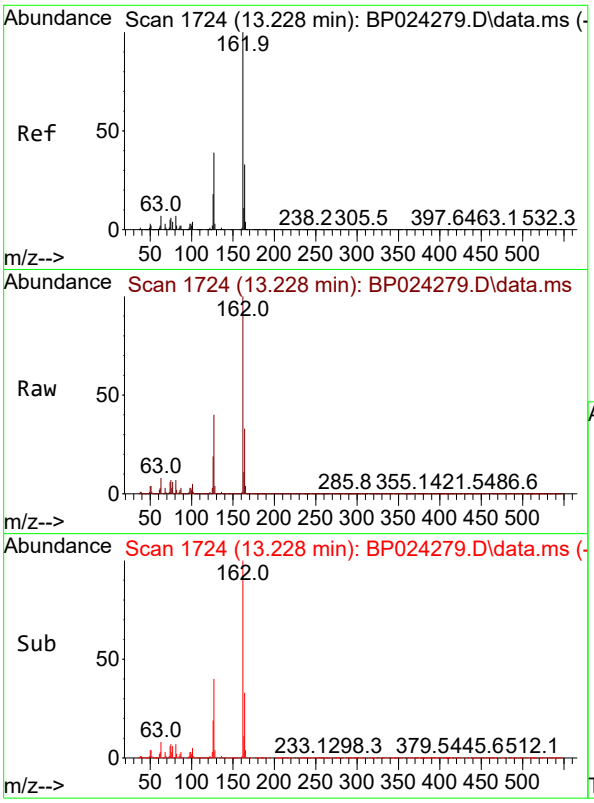


#46
1,1'-Biphenyl
Concen: 41.404 ng
RT: 13.187 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:154 Resp: 2010029

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.5	0.0	33.5



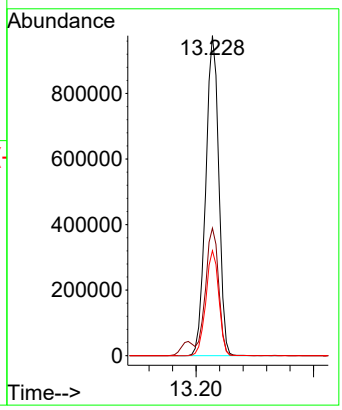


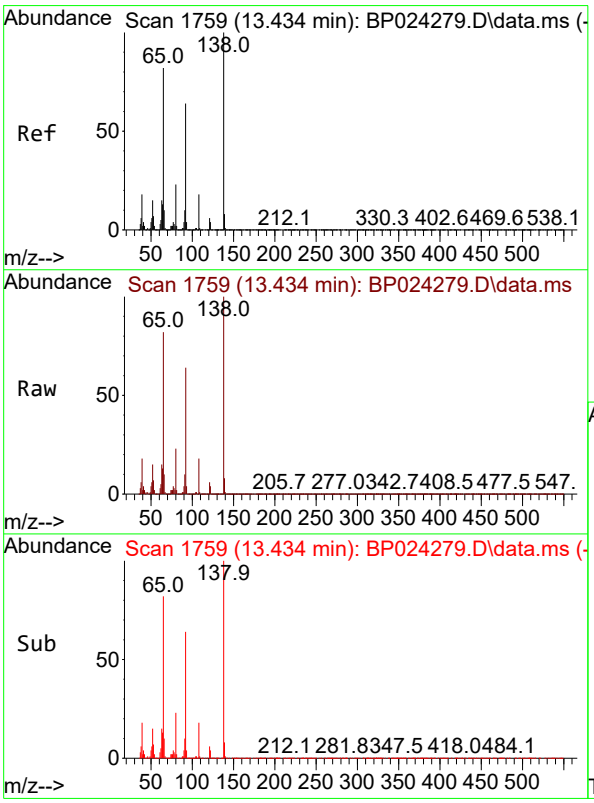
#47
2-Chloronaphthalene
Concen: 41.328 ng
RT: 13.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1497152

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	32.8	26.2	39.4

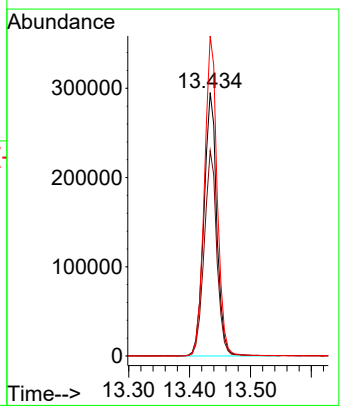


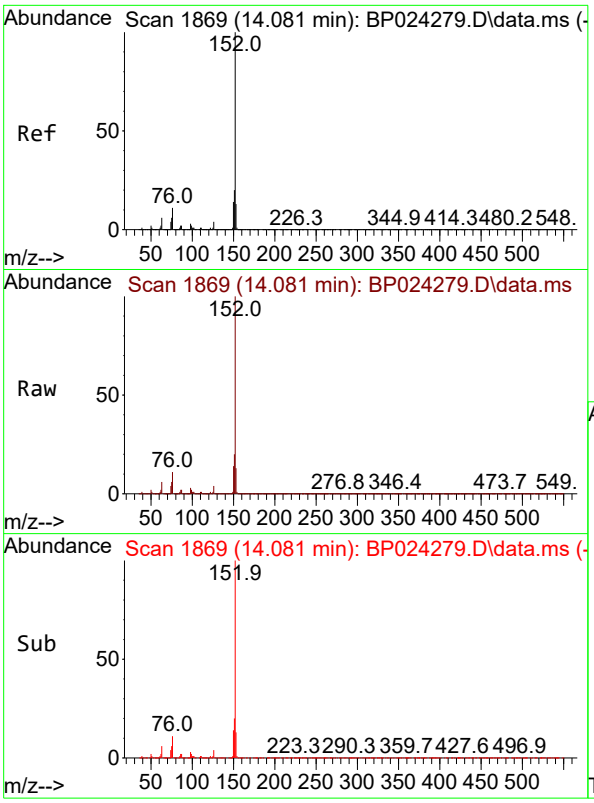


#48
2-Nitroaniline
Concen: 43.377 ng
RT: 13.434 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 65 Resp: 434050

Ion	Ratio	Lower	Upper
65	100		
92	77.9	62.3	93.5
138	121.5	97.2	145.8



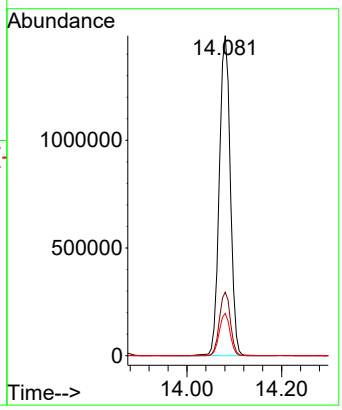


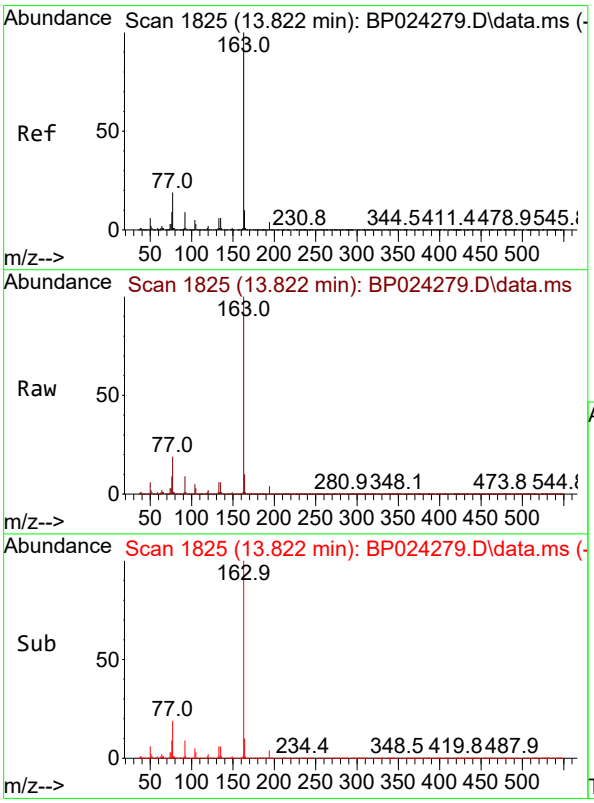
#49
Acenaphthylene
Concen: 41.944 ng
RT: 14.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2384785

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	15.8

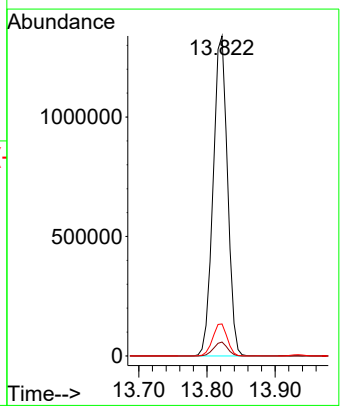


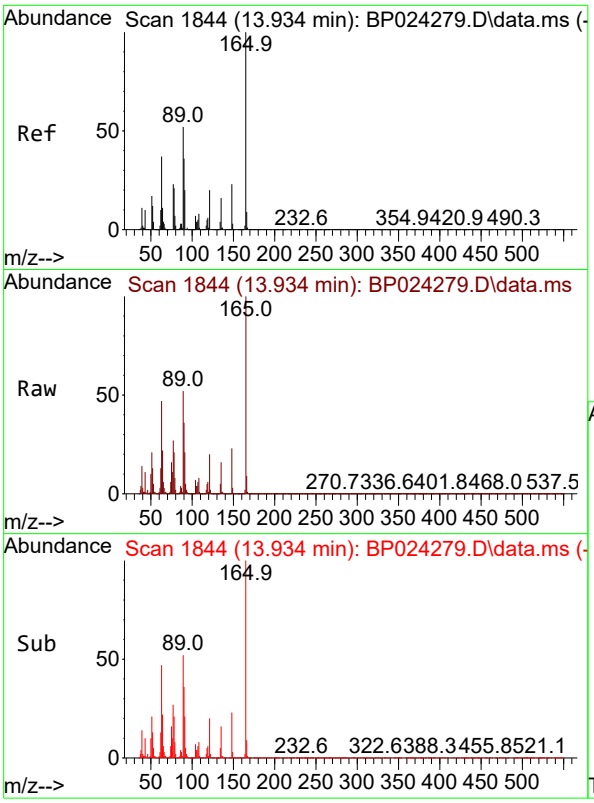


#50
Dimethylphthalate
Concen: 40.976 ng
RT: 13.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:163 Resp: 1965142

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.0	8.0	12.0



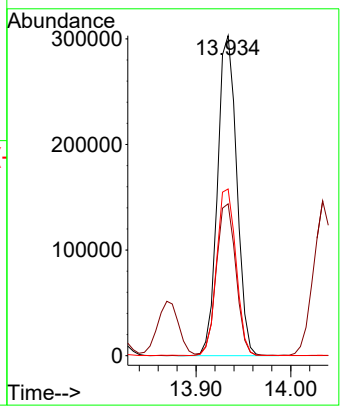


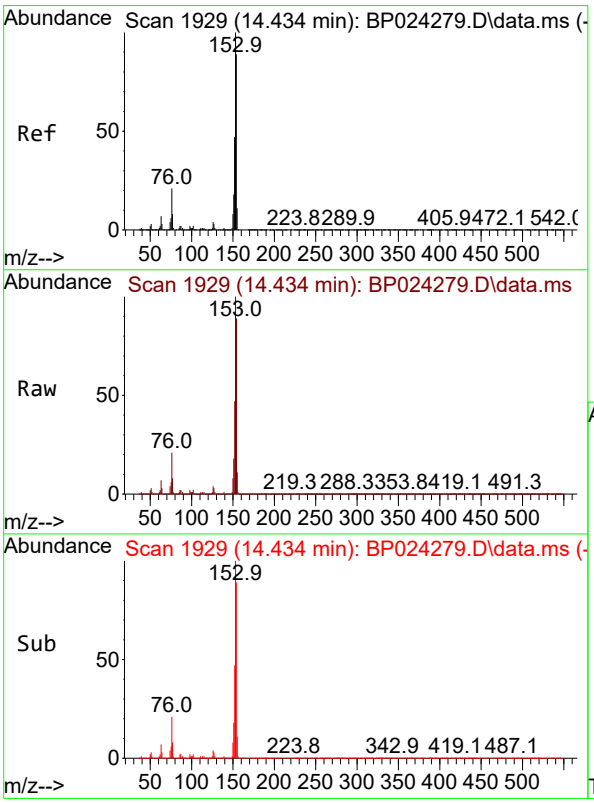
#51
2,6-Dinitrotoluene
Concen: 42.283 ng
RT: 13.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 427248

Ion	Ratio	Lower	Upper
165	100		
63	47.5	38.0	57.0
89	52.1	41.7	62.5

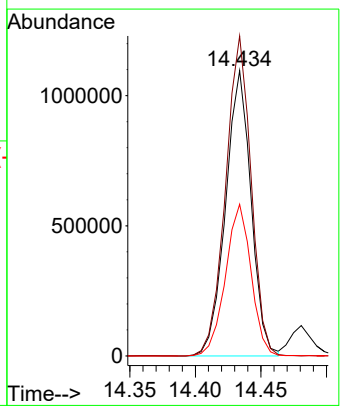


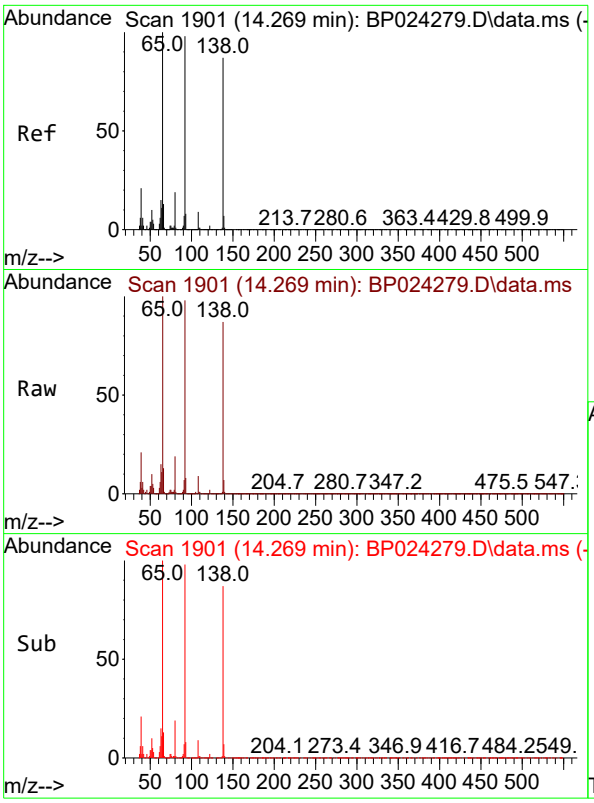


#52
Acenaphthene
Concen: 40.947 ng
RT: 14.434 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:154 Resp: 1480526

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.6
152	53.2	42.6	63.8



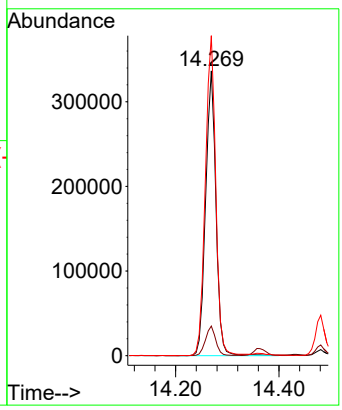


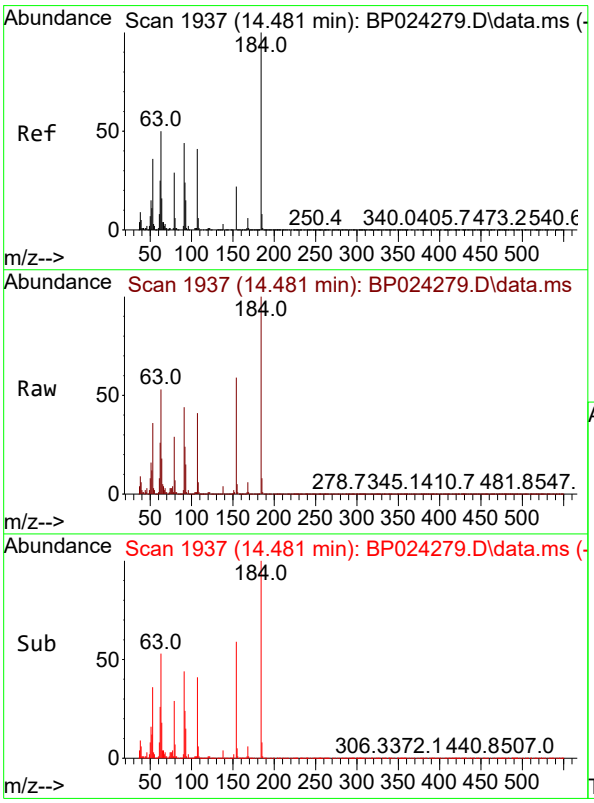
#53
3-Nitroaniline
Concen: 44.389 ng
RT: 14.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 465347

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	112.3	89.8	134.8

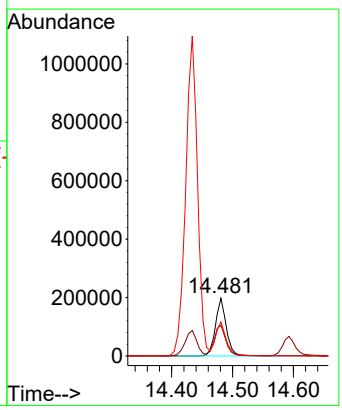


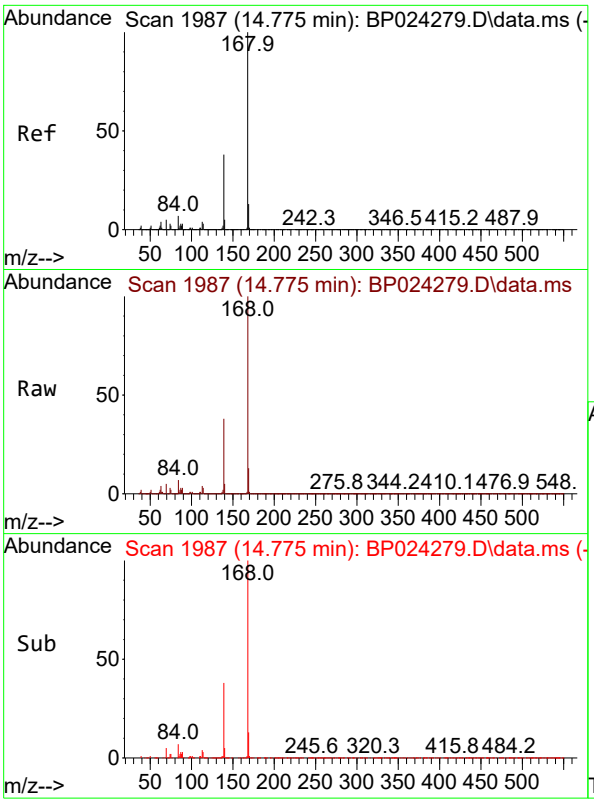


#54
2,4-Dinitrophenol
Concen: 45.231 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:184 Resp: 244714

Ion	Ratio	Lower	Upper
184	100		
63	53.3	42.6	64.0
154	59.0	47.2	70.8



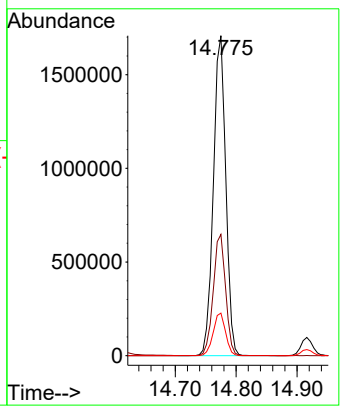


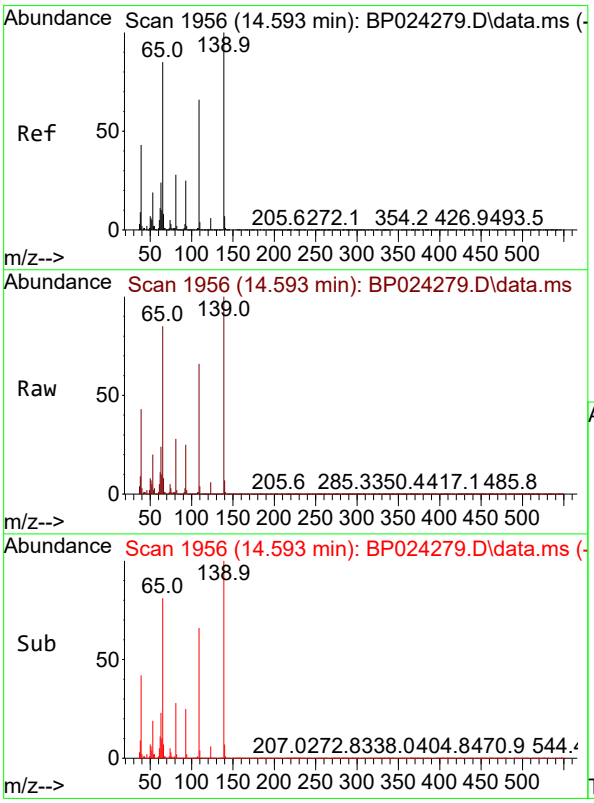
#55
Dibenzofuran
Concen: 40.633 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2409526

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

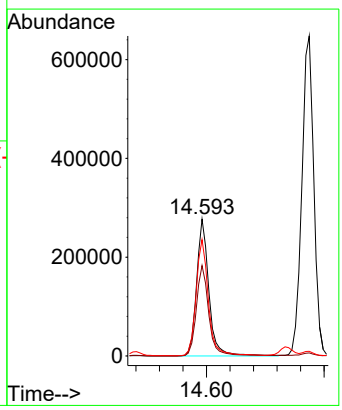


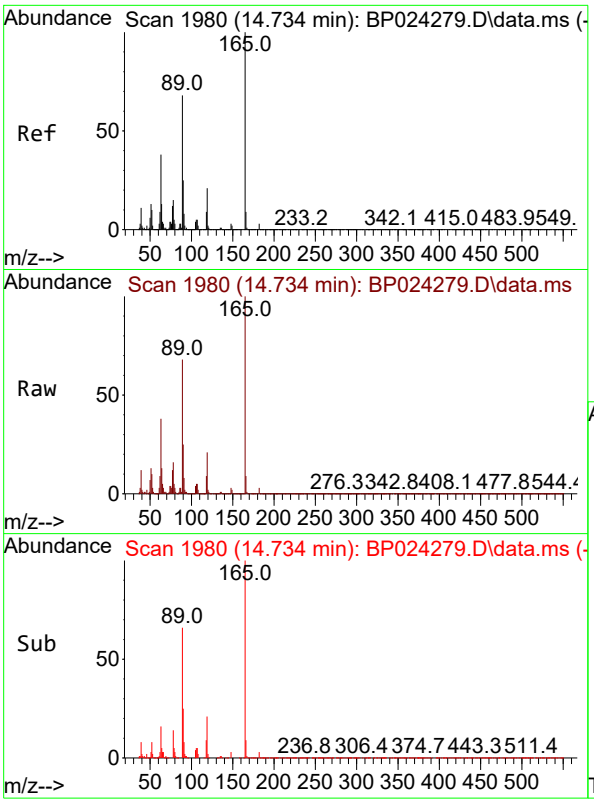


#56
4-Nitrophenol
Concen: 44.564 ng
RT: 14.593 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:139 Resp: 401591

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	85.0	65.0	105.0



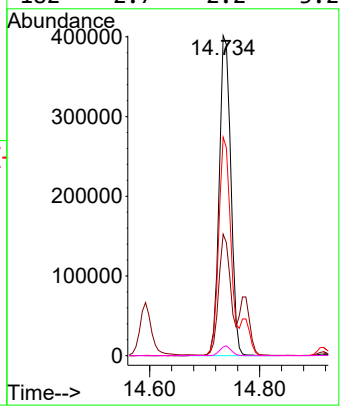


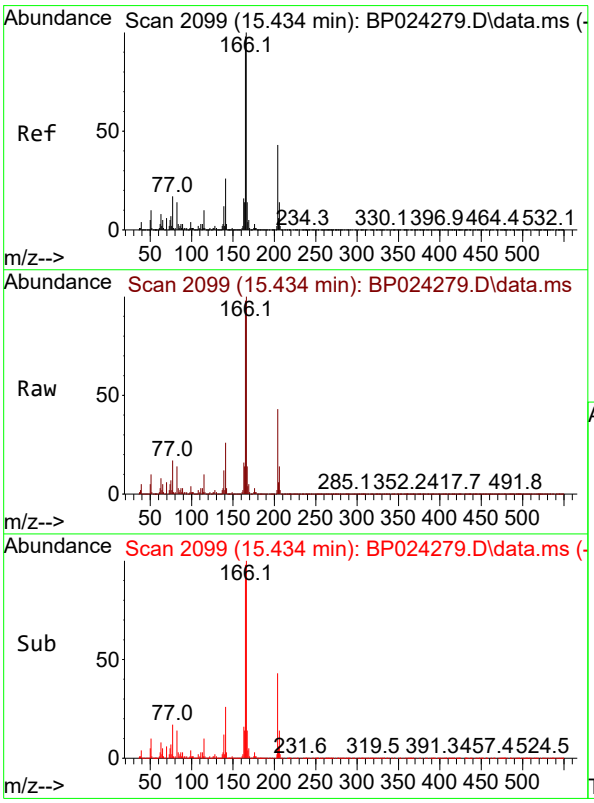
#57
2,4-Dinitrotoluene
Concen: 43.110 ng
RT: 14.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 588798

Ion	Ratio	Lower	Upper
165	100		
63	38.0	30.4	45.6
89	68.3	54.6	82.0
182	2.7	2.2	3.2

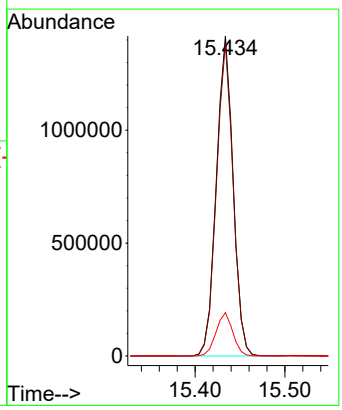


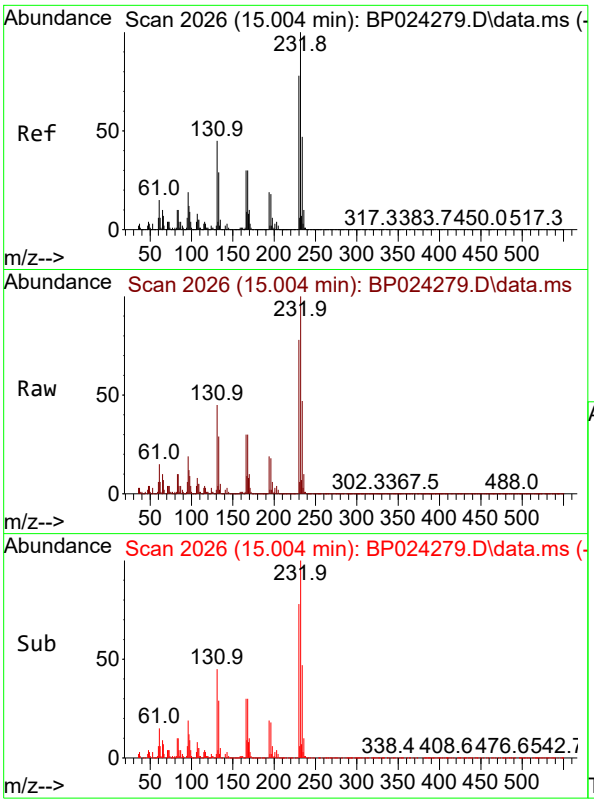


#58
Fluorene
Concen: 40.150 ng
RT: 15.434 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:166 Resp: 1838264

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.6	10.9	16.3



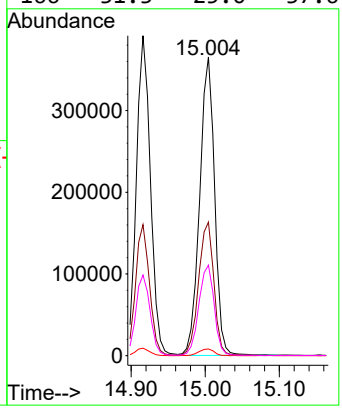


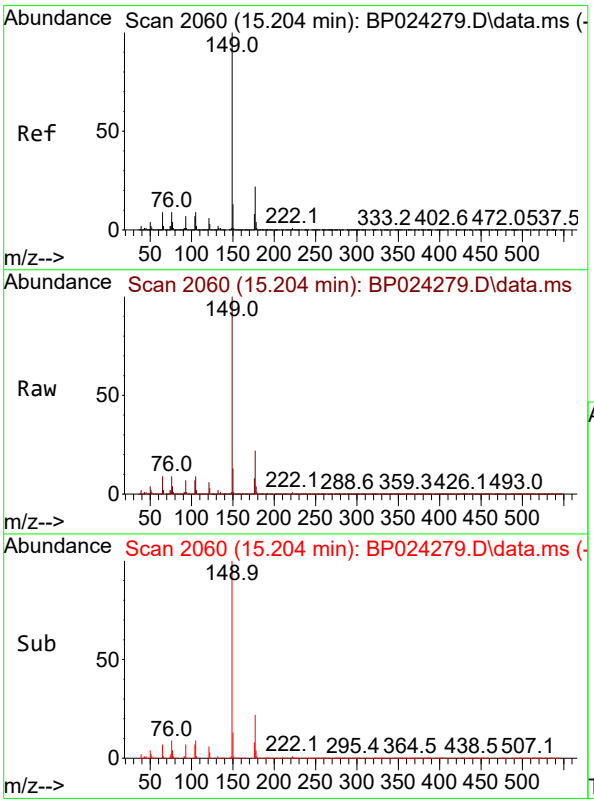
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.987 ng
RT: 15.004 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 511714

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.4	1.9	2.9
166	31.3	25.0	37.6

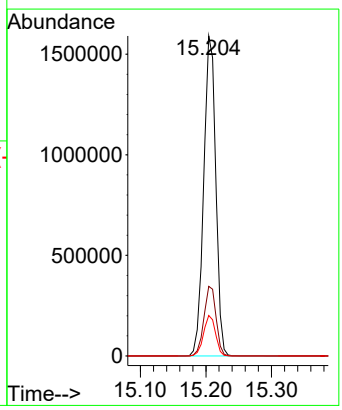


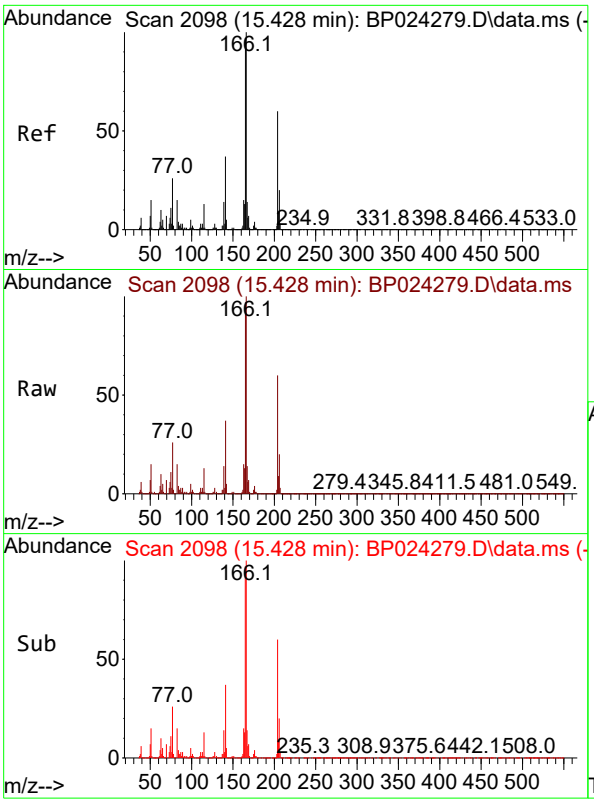


#60
Diethylphthalate
Concen: 41.286 ng
RT: 15.204 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 2037863

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.6	10.1	15.1



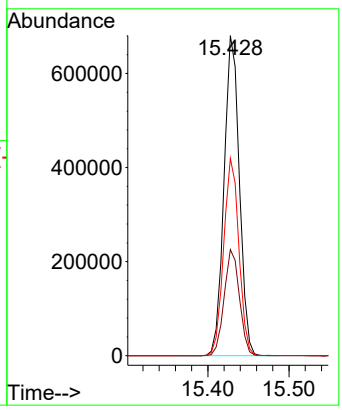


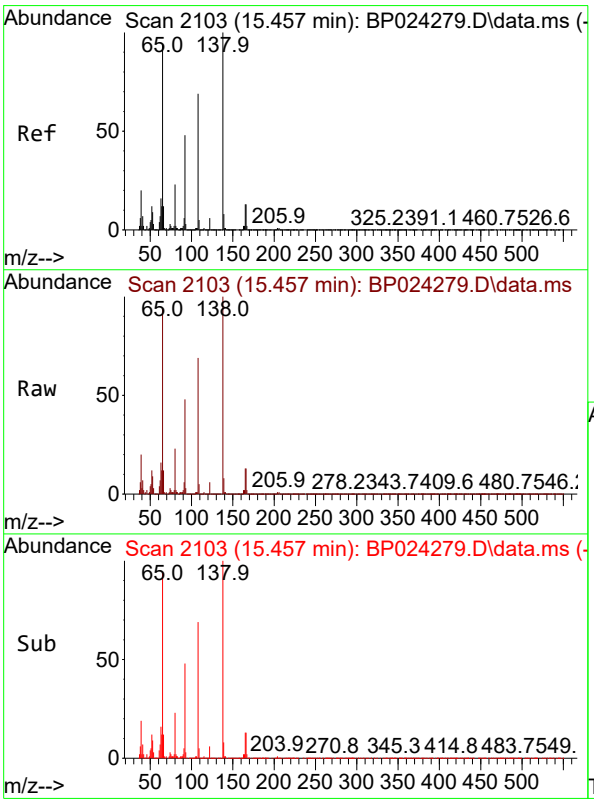
#61
4-Chlorophenyl-phenylether
Concen: 40.226 ng
RT: 15.428 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 894350

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.7	49.4	74.0

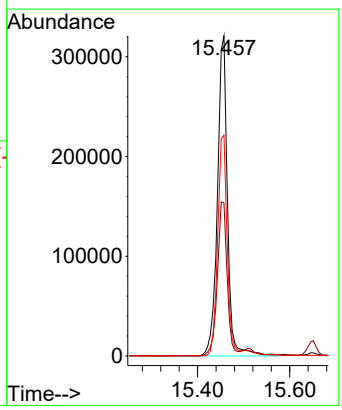


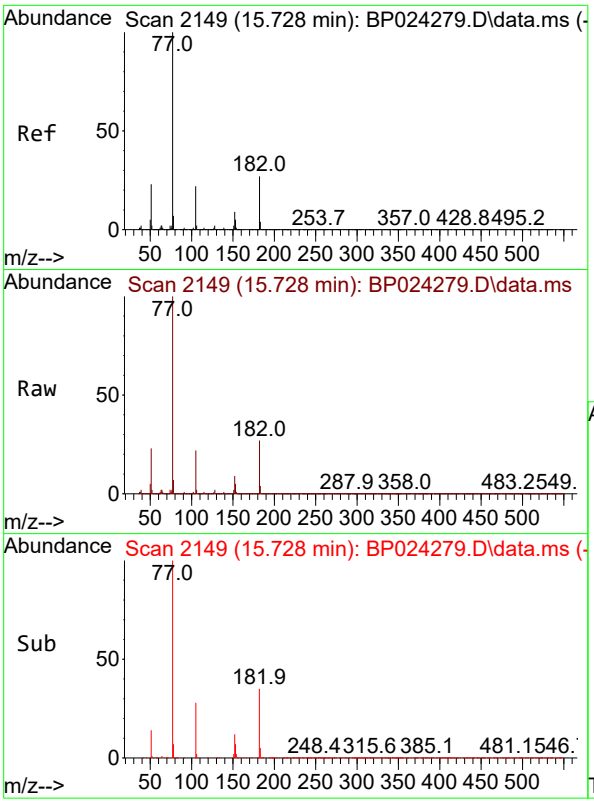


#62
4-Nitroaniline
Concen: 43.693 ng
RT: 15.457 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:138 Resp: 485622

Ion	Ratio	Lower	Upper
138	100		
92	47.8	27.8	67.8
108	68.9	48.9	88.9



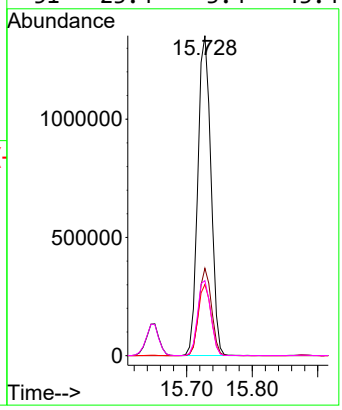


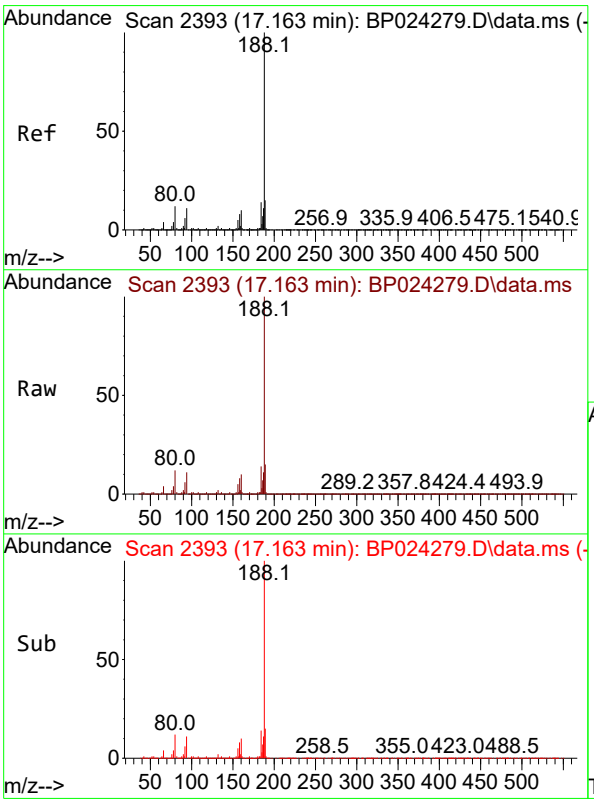
#63
Azobenzene
Concen: 41.392 ng
RT: 15.728 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1881773

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.3	2.3	42.3
51	23.4	3.4	43.4

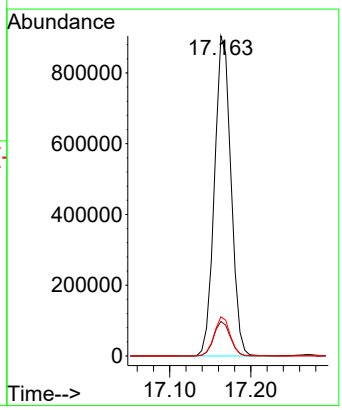


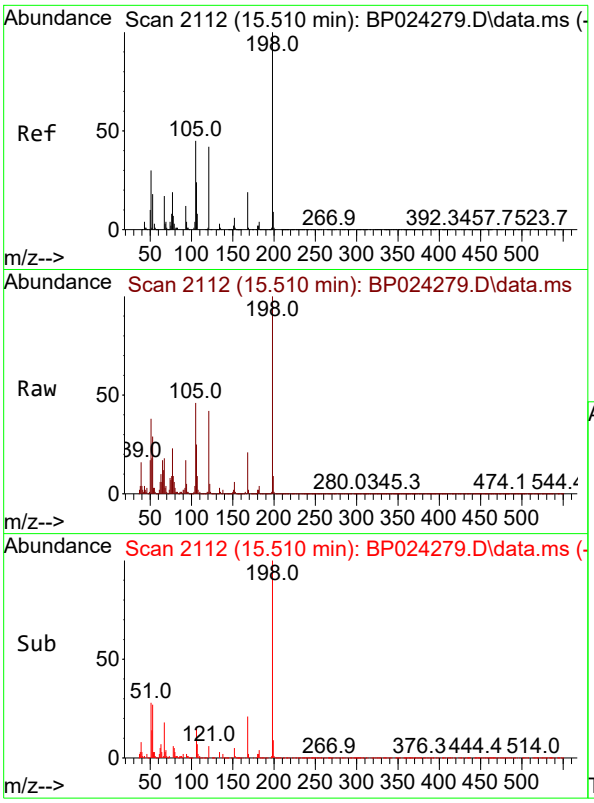


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:188 Resp: 1277198

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.2	9.8	14.6



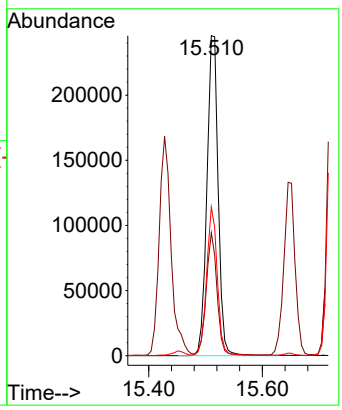


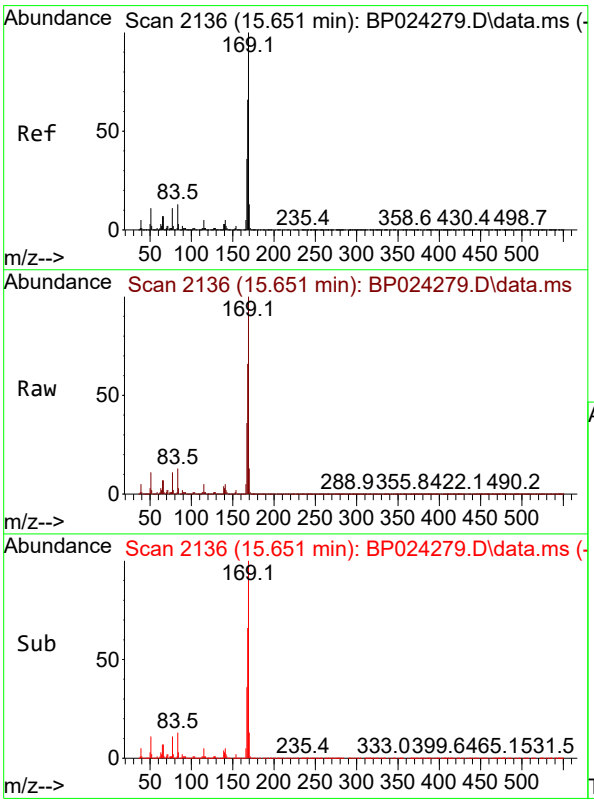
#65
4,6-Dinitro-2-methylphenol
Concen: 44.938 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 335347

Ion	Ratio	Lower	Upper
198	100		
51	38.4	18.4	58.4
105	46.5	26.5	66.5

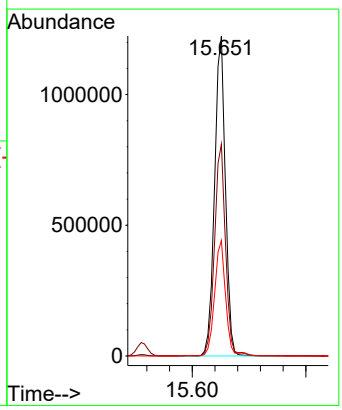


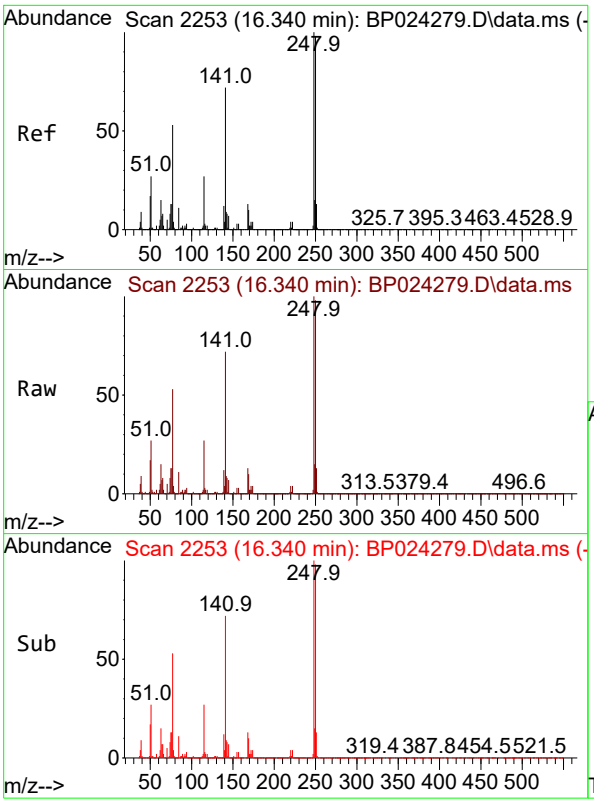


#66
n-Nitrosodiphenylamine
Concen: 42.021 ng
RT: 15.651 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:169 Resp: 1609251

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.1	28.9	43.3



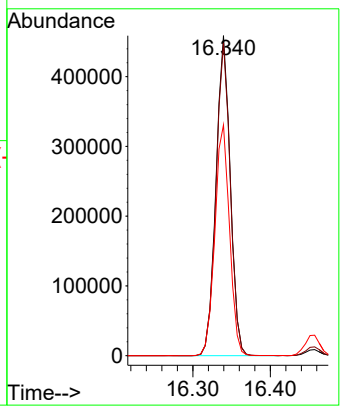


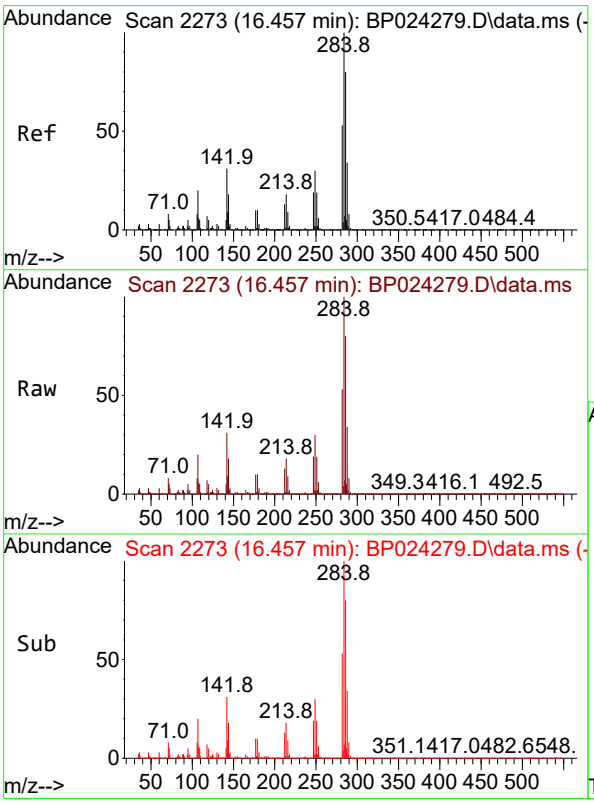
#67
4-Bromophenyl-phenylether
Concen: 42.165 ng
RT: 16.340 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 587416

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	72.1	57.7	86.5

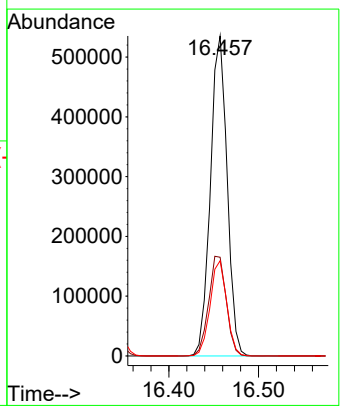


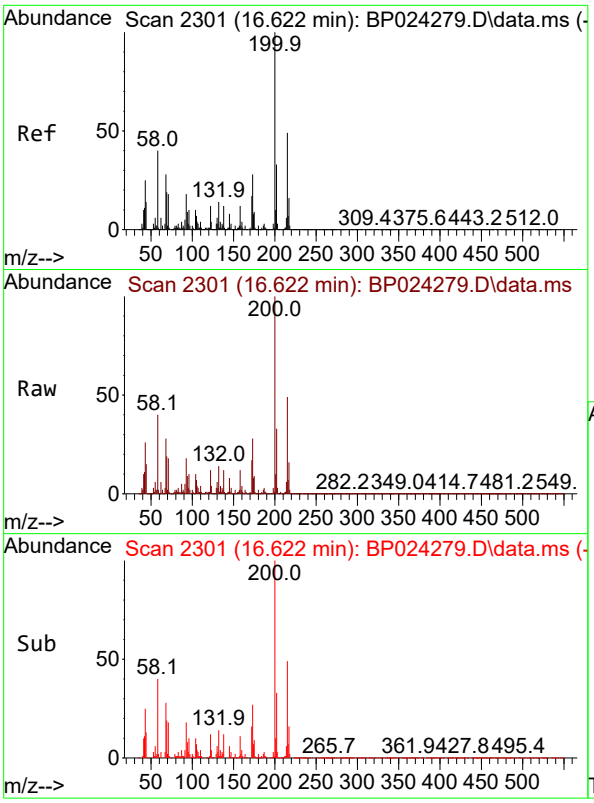


#68
Hexachlorobenzene
Concen: 41.815 ng
RT: 16.457 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:284 Resp: 692546

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.6	37.0
249	29.7	23.8	35.6



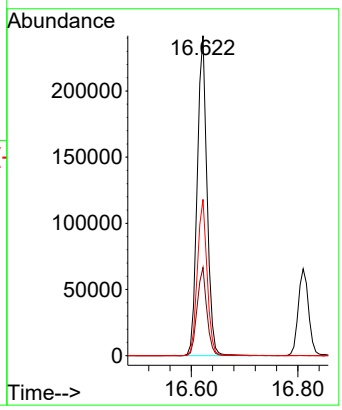


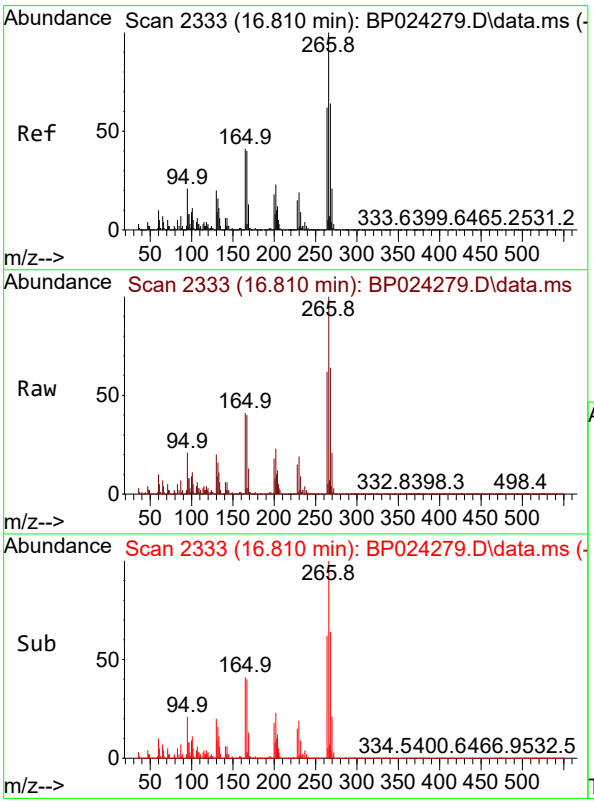
#69
Atrazine
Concen: 31.786 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 308618

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.5	47.5
215	48.8	28.8	68.8

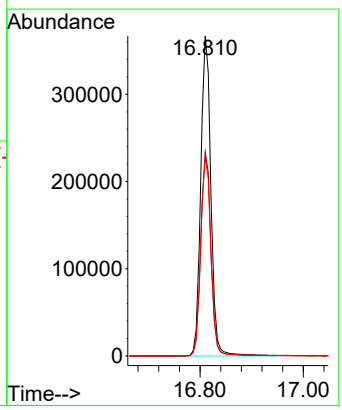


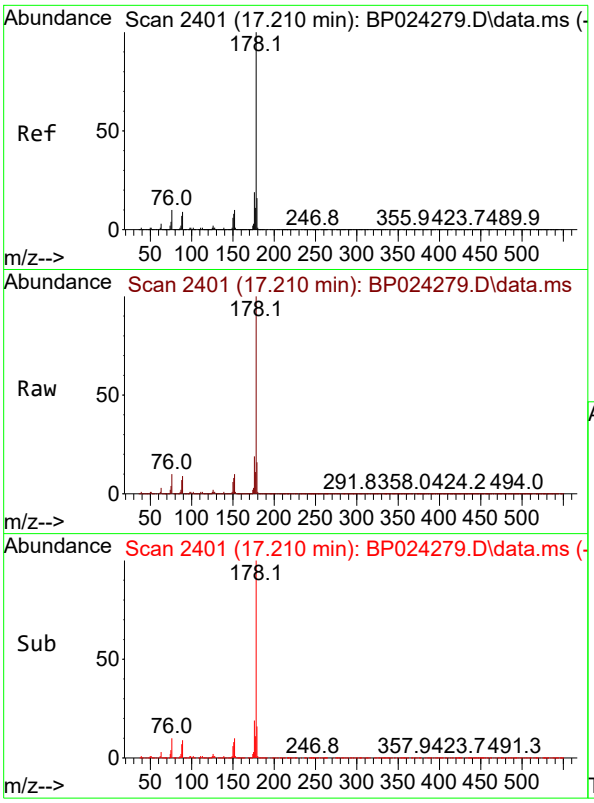


#70
Pentachlorophenol
Concen: 43.955 ng
RT: 16.810 min Scan# 2333
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:266 Resp: 499858

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.2	49.8	74.6



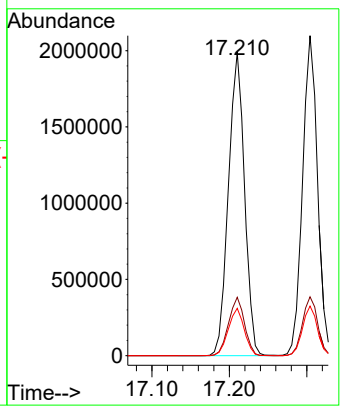


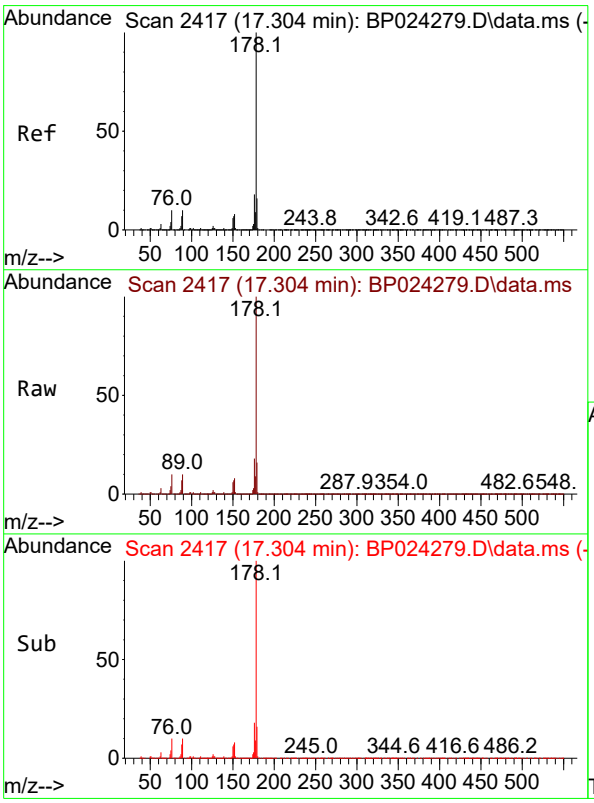
#71
Phenanthrene
Concen: 41.121 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2879498

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.5	18.7

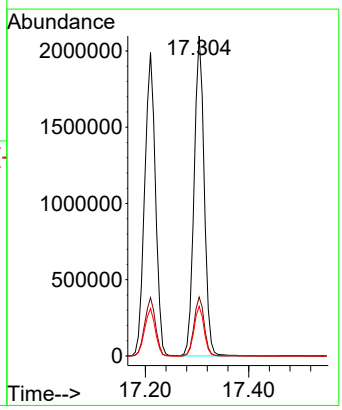


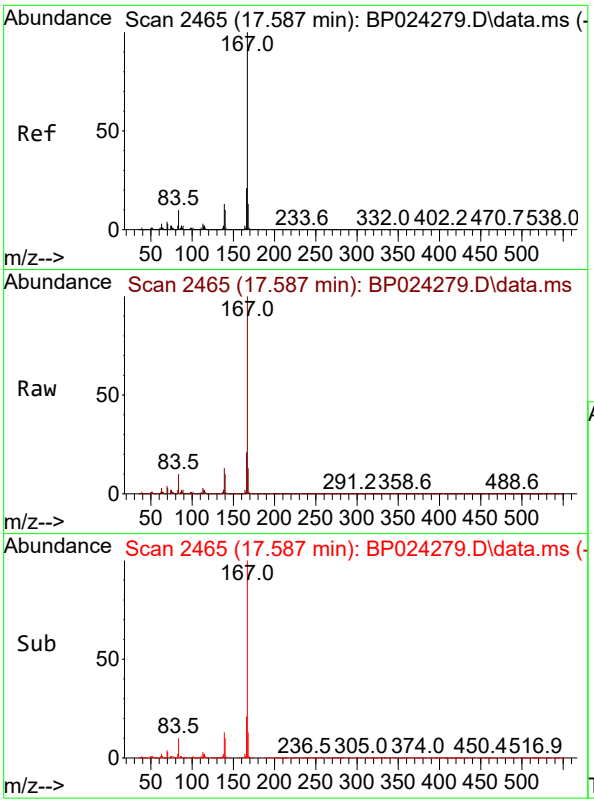


#72
Anthracene
Concen: 42.130 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:178 Resp: 2838724

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.5	12.4	18.6



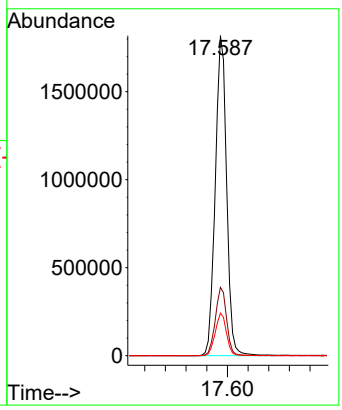


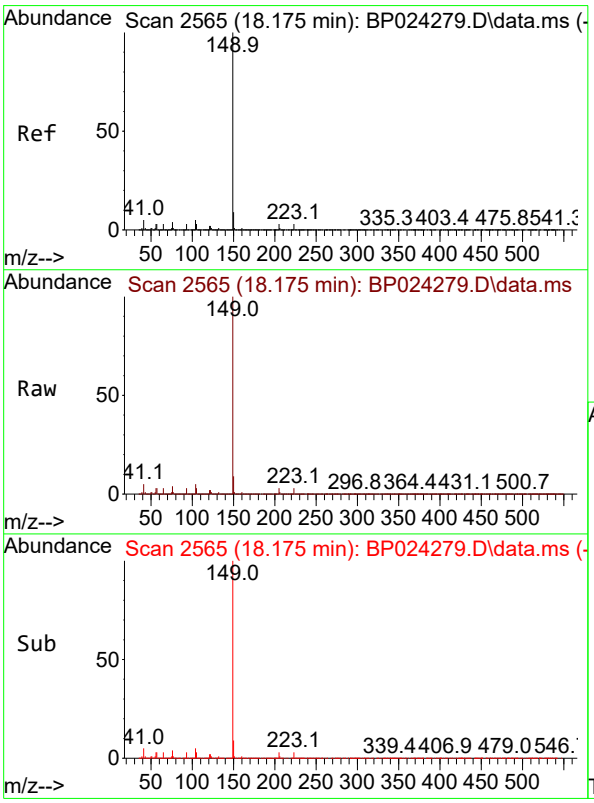
#73
Carbazole
Concen: 42.242 ng
RT: 17.587 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2770072

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.3	10.6	16.0

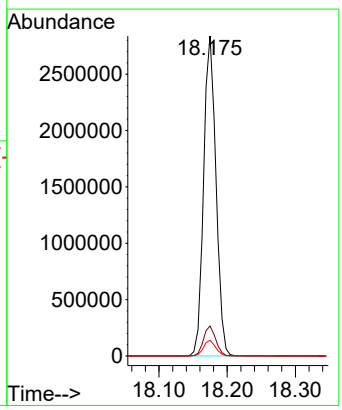


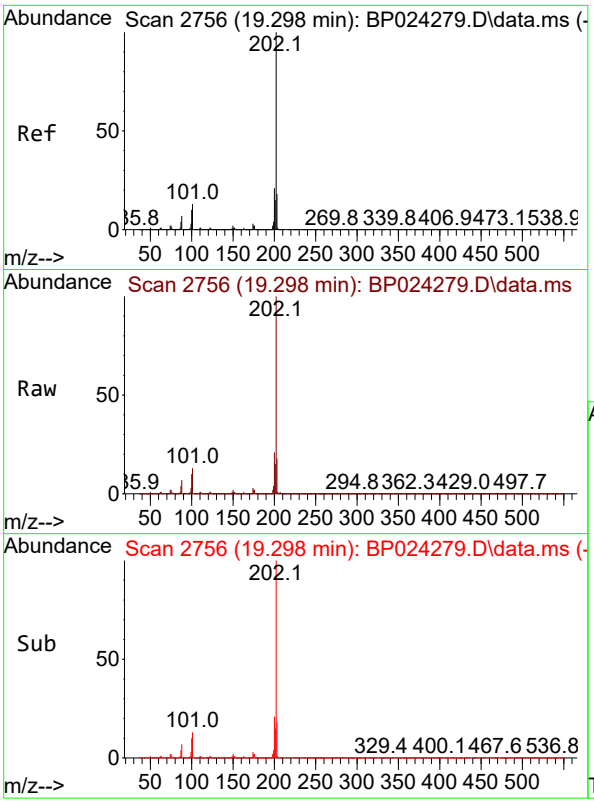


#74
Di-n-butylphthalate
Concen: 43.708 ng
RT: 18.175 min Scan# 2565
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 3571220

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



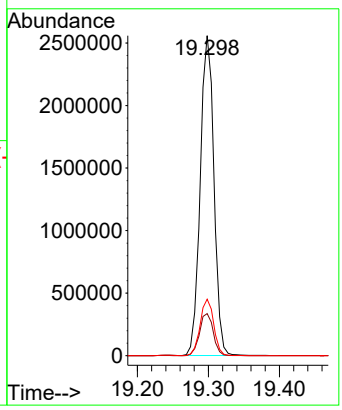


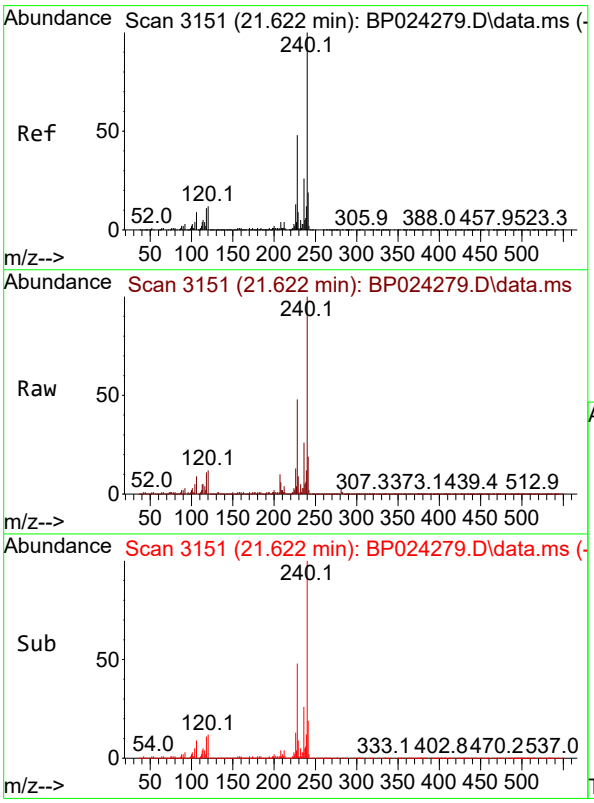
#75
Fluoranthene
Concen: 41.404 ng
RT: 19.298 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3441282

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.7	0.0	37.7

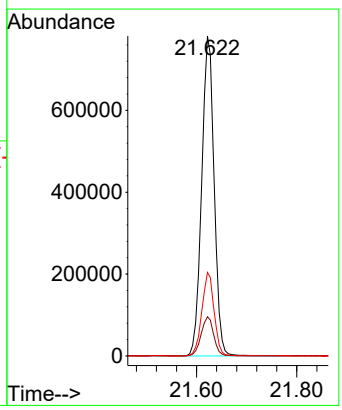


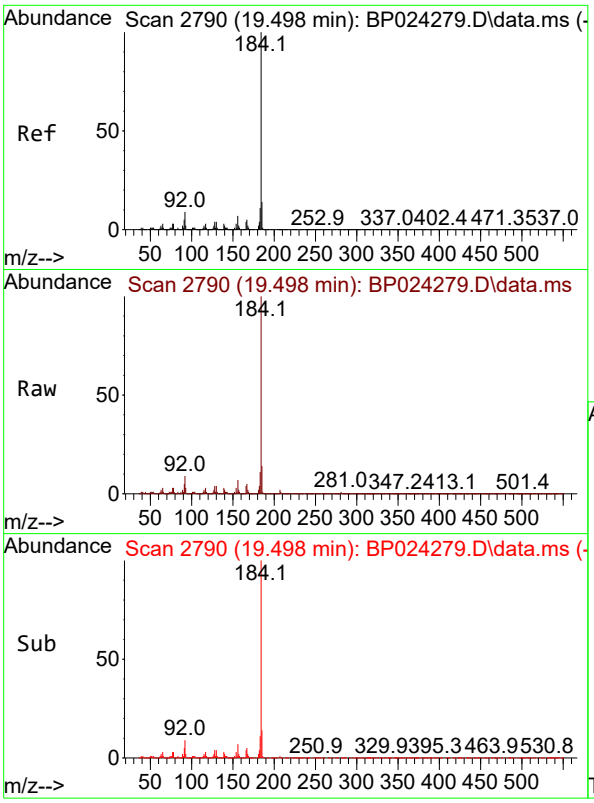


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3151
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:240 Resp: 1349860

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.8	14.8
236	26.1	20.9	31.3



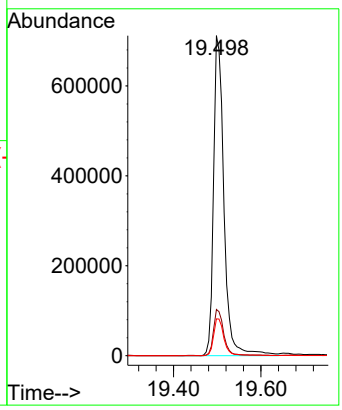


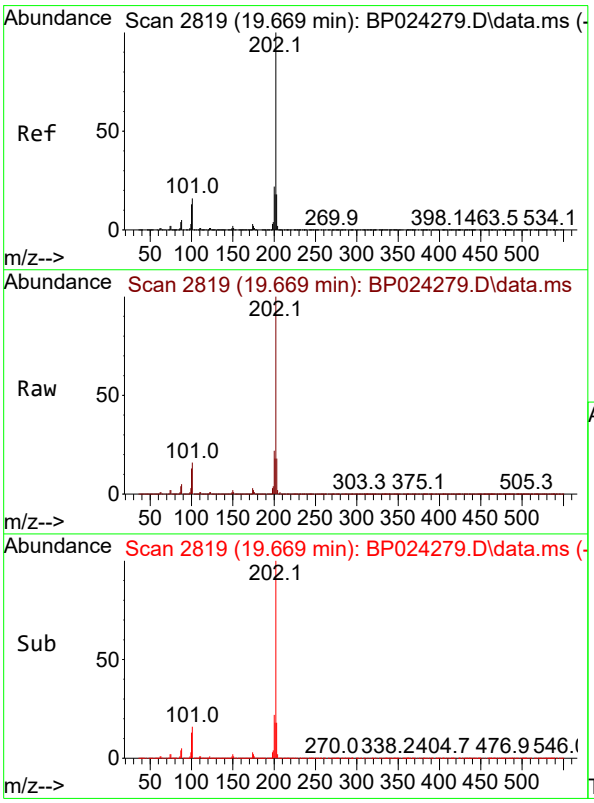
#77
Benzidine
Concen: 70.714 ng
RT: 19.498 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1178258

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.5	9.2	13.8

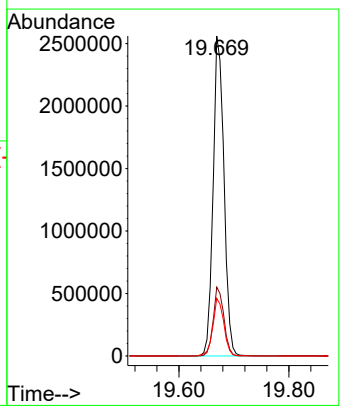


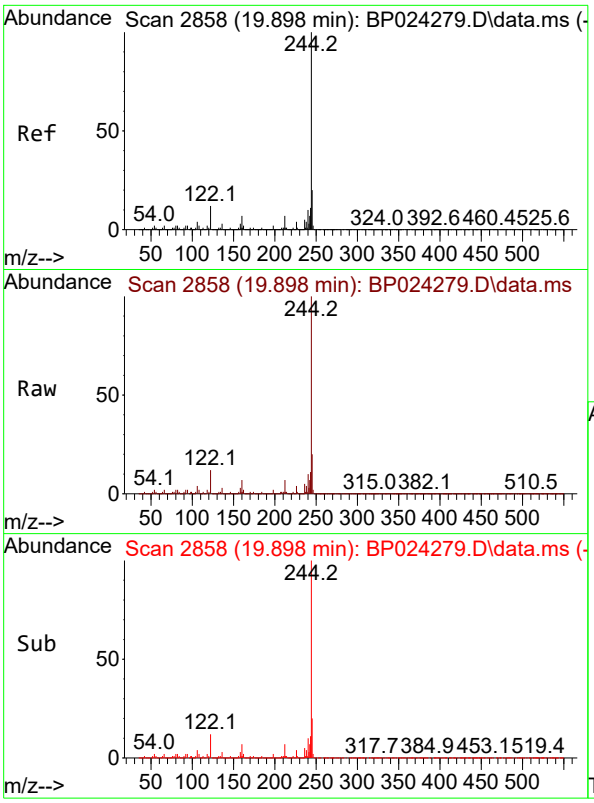


#78
Pyrene
Concen: 40.790 ng
RT: 19.669 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:202 Resp: 3523104

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.0	14.4	21.6



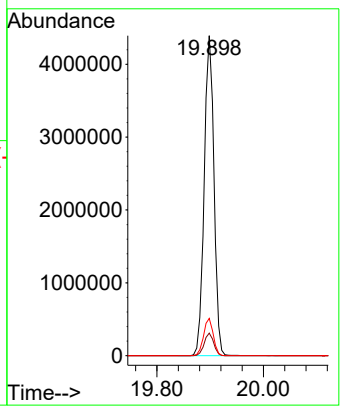


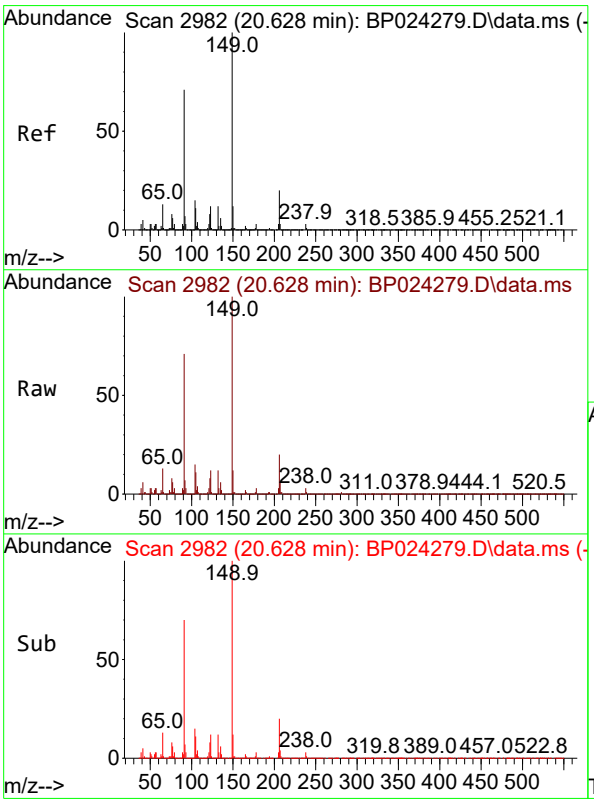
#79
Terphenyl-d14
Concen: 82.266 ng
RT: 19.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 5570563

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.7	9.4	14.0

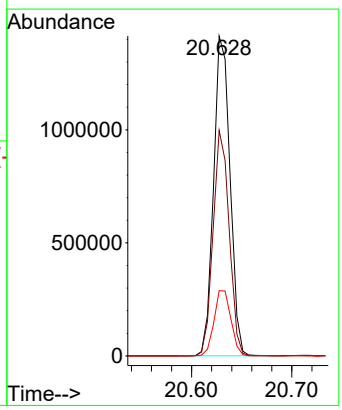


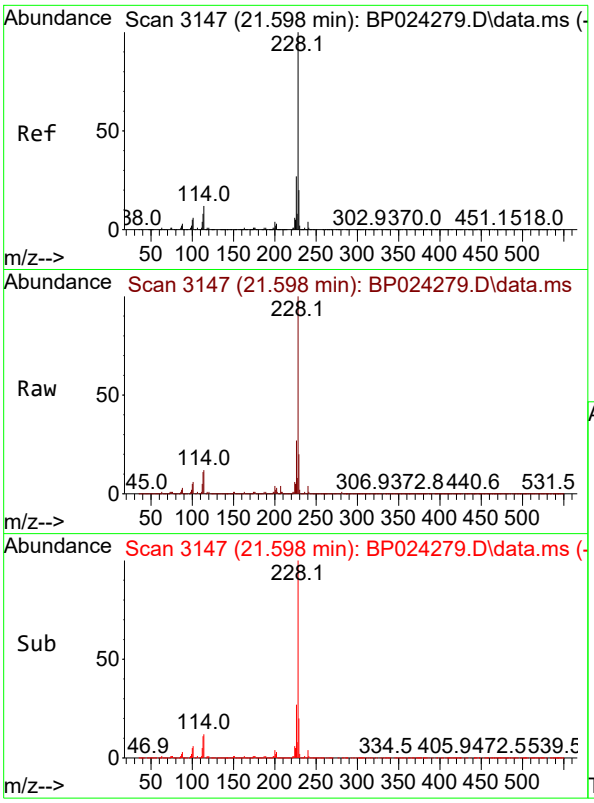


#80
Butylbenzylphthalate
Concen: 44.158 ng
RT: 20.628 min Scan# 2982
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 1607881

Ion	Ratio	Lower	Upper
149	100		
91	70.5	56.4	84.6
206	20.4	16.3	24.5



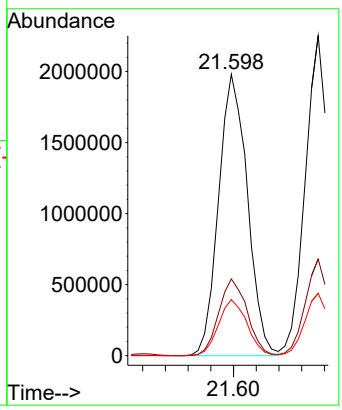


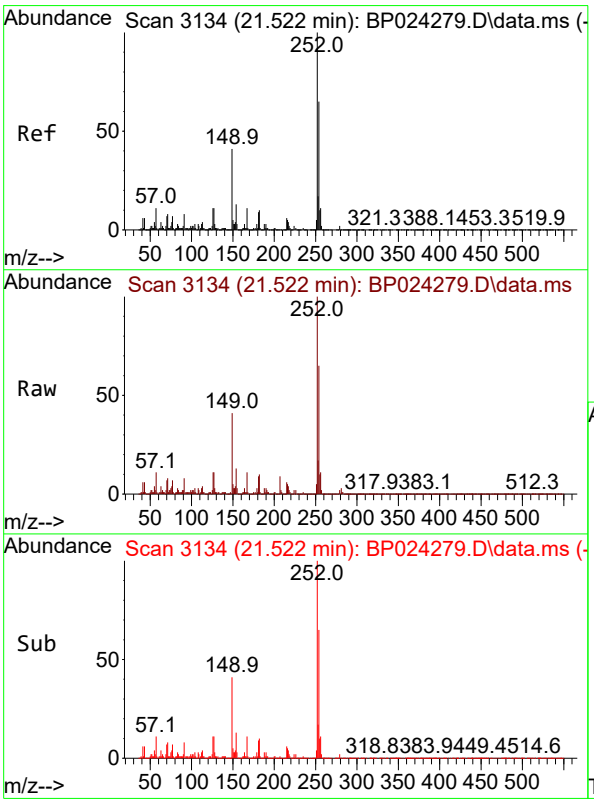
#81
Benzo(a)anthracene
Concen: 41.472 ng
RT: 21.598 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3489938

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	15.9	23.9

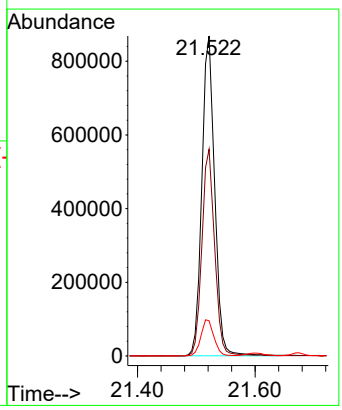


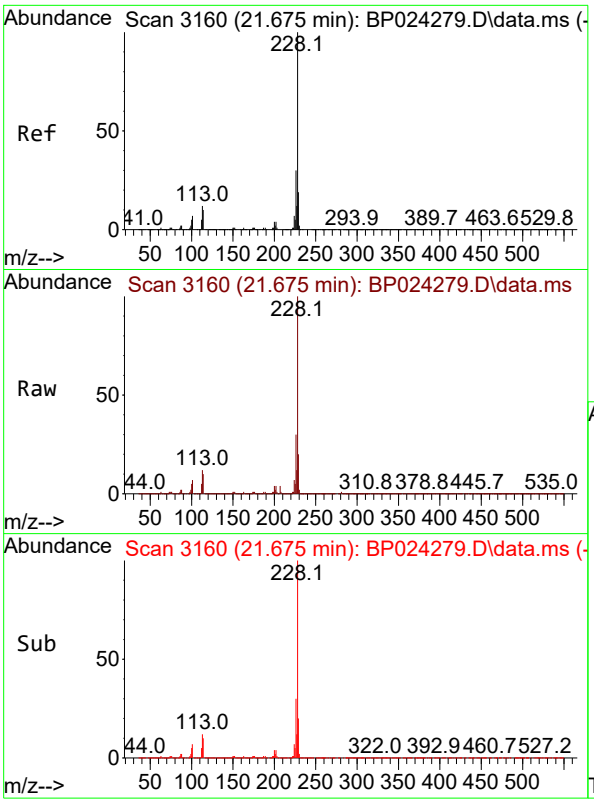


#82
3,3'-Dichlorobenzidine
Concen: 44.953 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 1311770

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.0	8.8	13.2



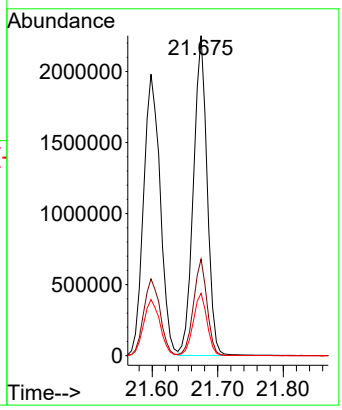


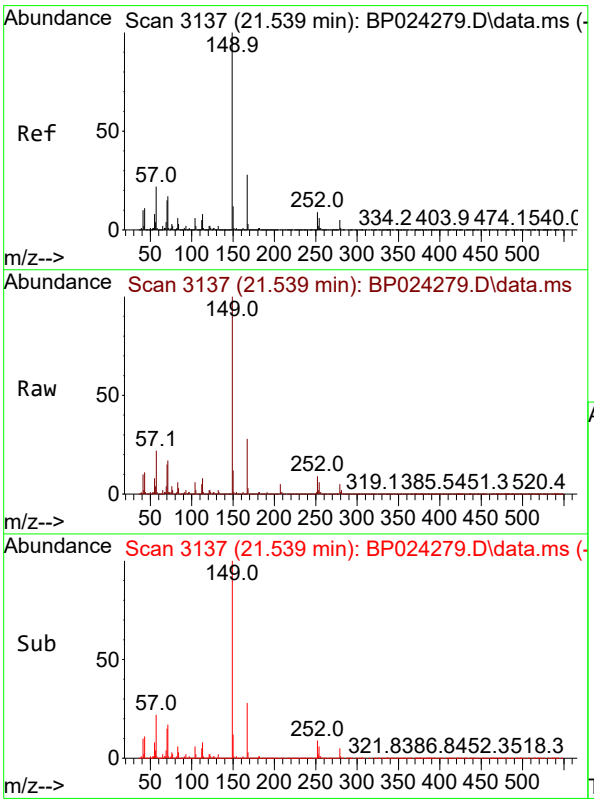
#83
Chrysene
Concen: 40.596 ng
RT: 21.675 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3274153

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.5	15.6	23.4

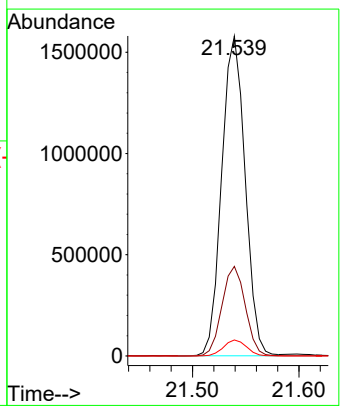


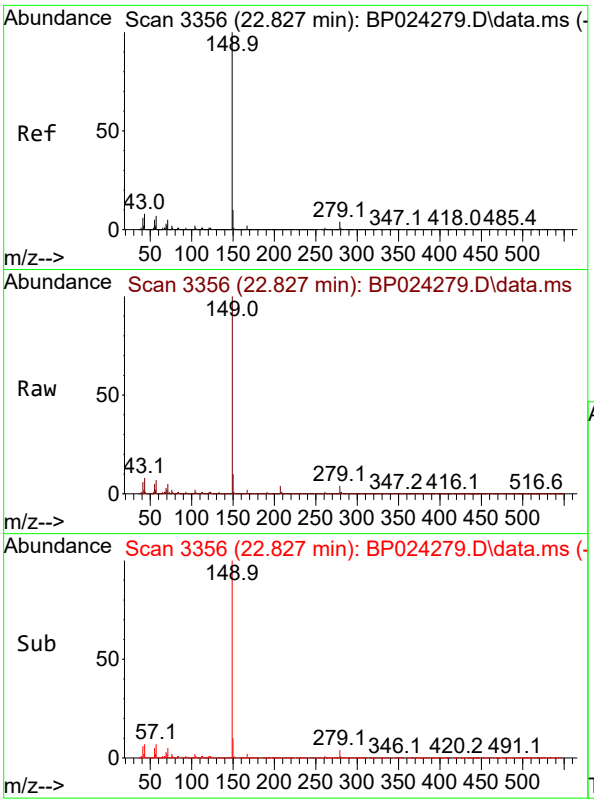


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.979 ng
RT: 21.539 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 2411998

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.4	33.6
279	5.0	4.0	6.0



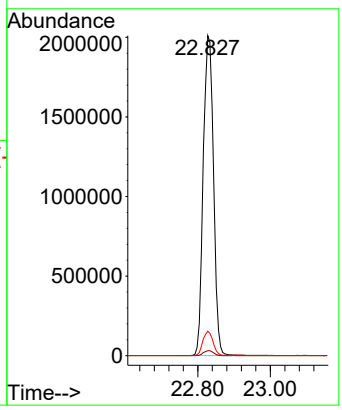


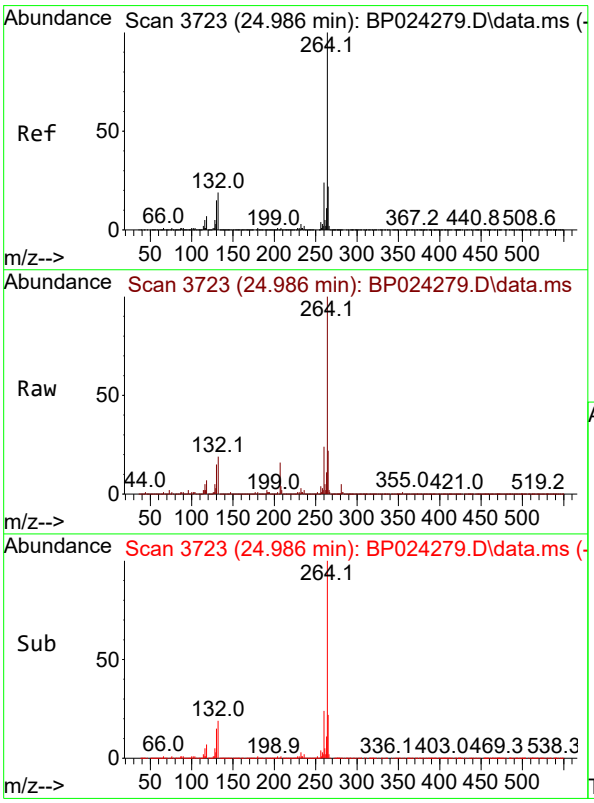
#85
Di-n-octyl phthalate
Concen: 45.913 ng
RT: 22.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3943939

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.5	6.0	9.0

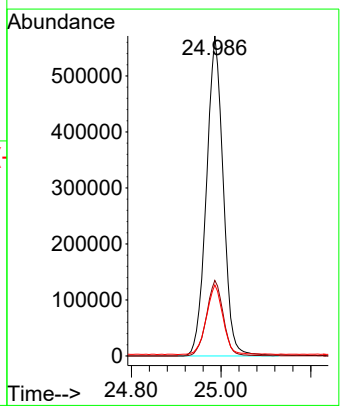


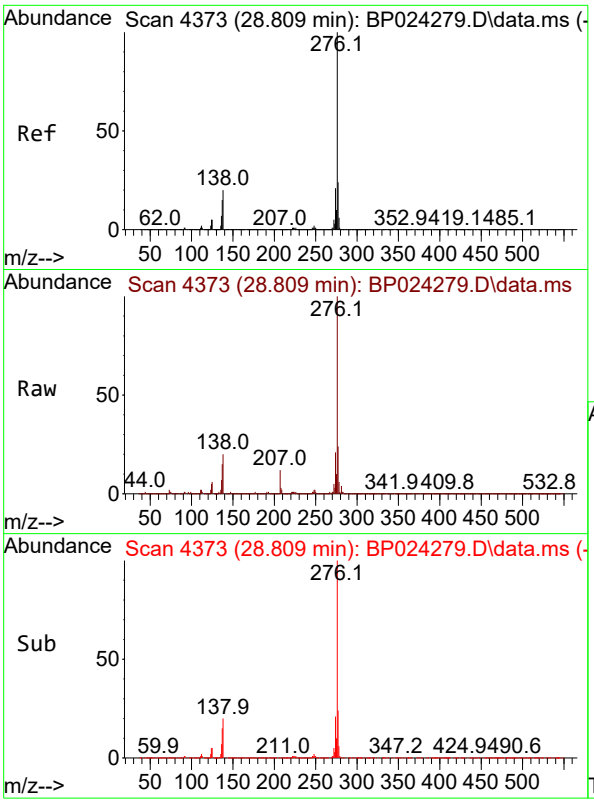


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:264 Resp: 1485135

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.2	17.8	26.6



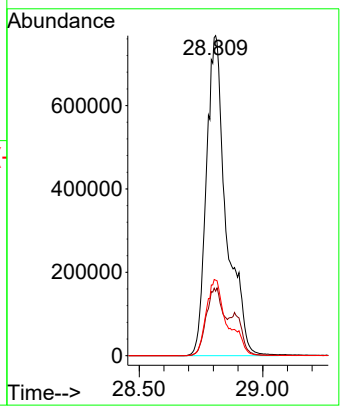


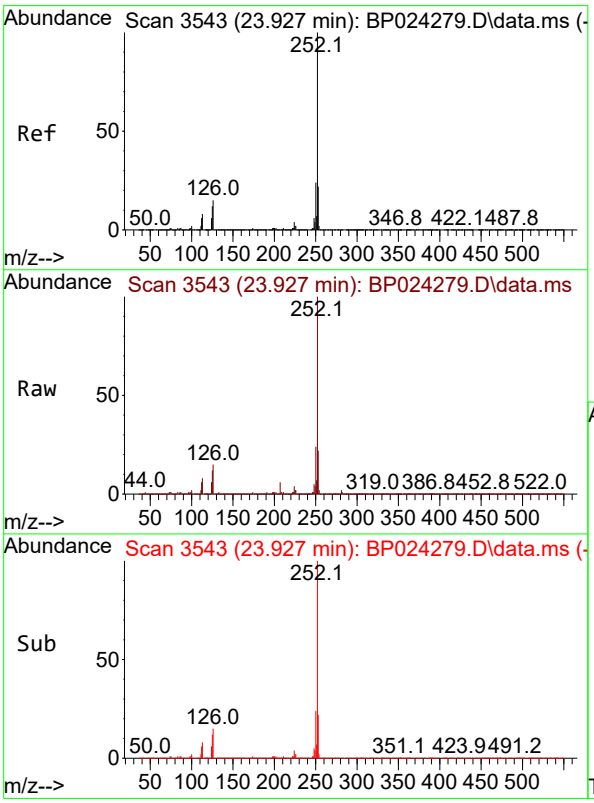
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.987 ng
RT: 28.809 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4288630

Ion	Ratio	Lower	Upper
276	100		
138	18.1	14.5	21.7
277	25.2	20.2	30.2

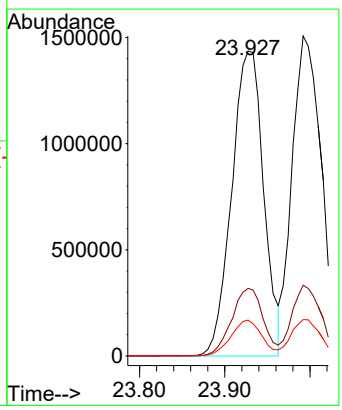


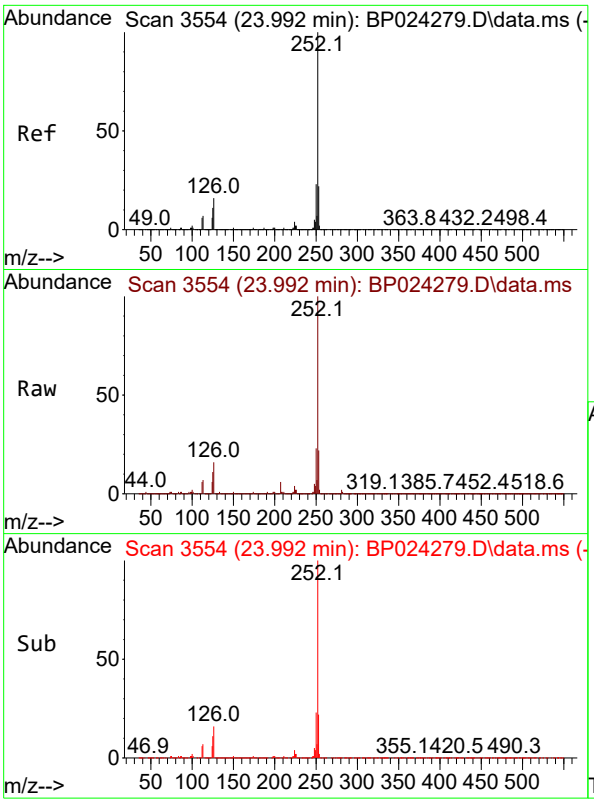


#88
Benzo(b)fluoranthene
Concen: 42.058 ng
RT: 23.927 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 3737035

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.7	9.4	14.0



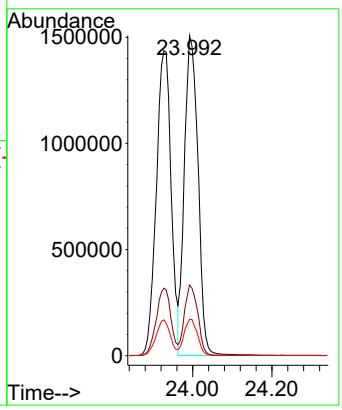


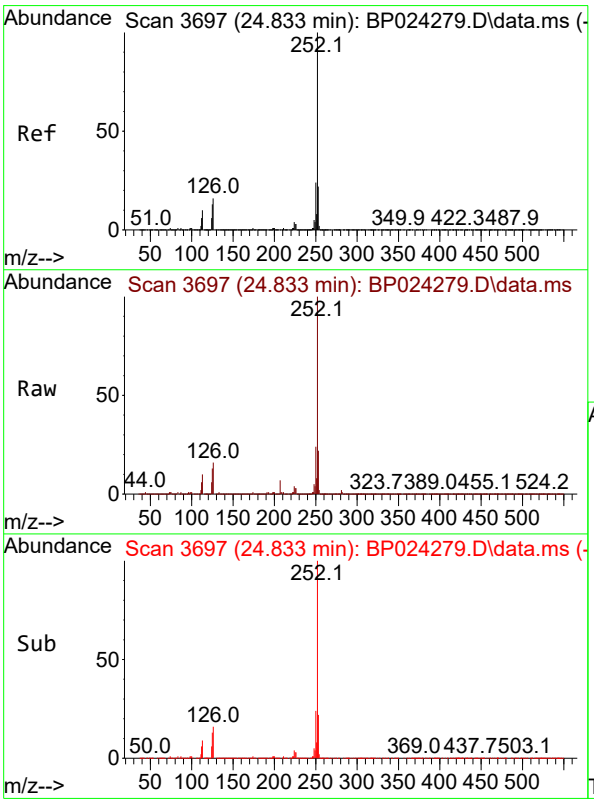
#89
Benzo(k)fluoranthene
Concen: 41.753 ng
RT: 23.992 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3600626

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.4	9.1	13.7

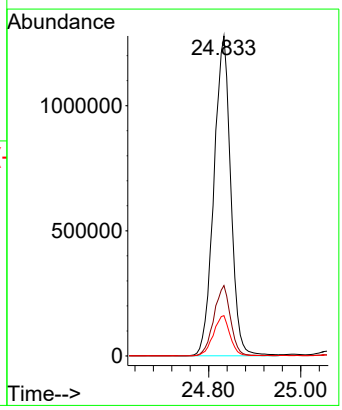


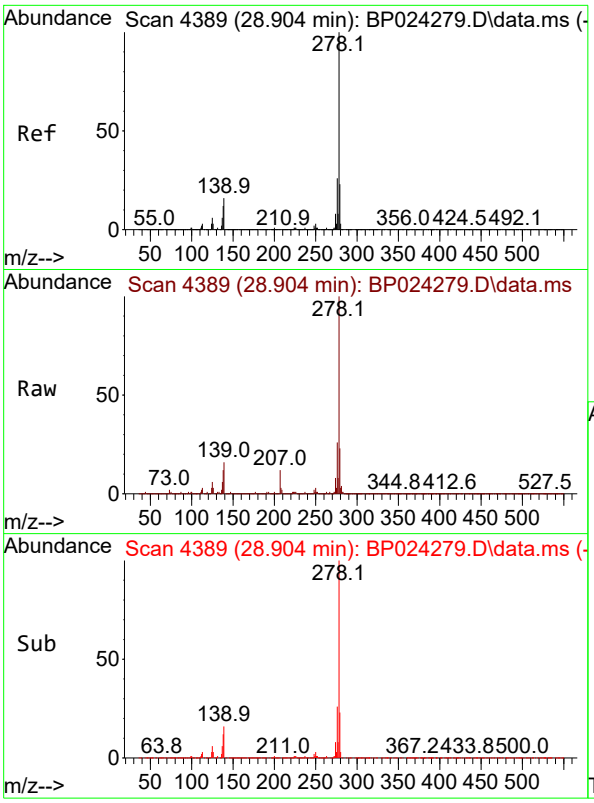


#90
Benzo(a)pyrene
Concen: 42.369 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 3240684

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.6	10.1	15.1



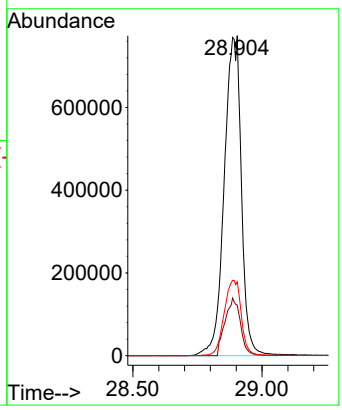


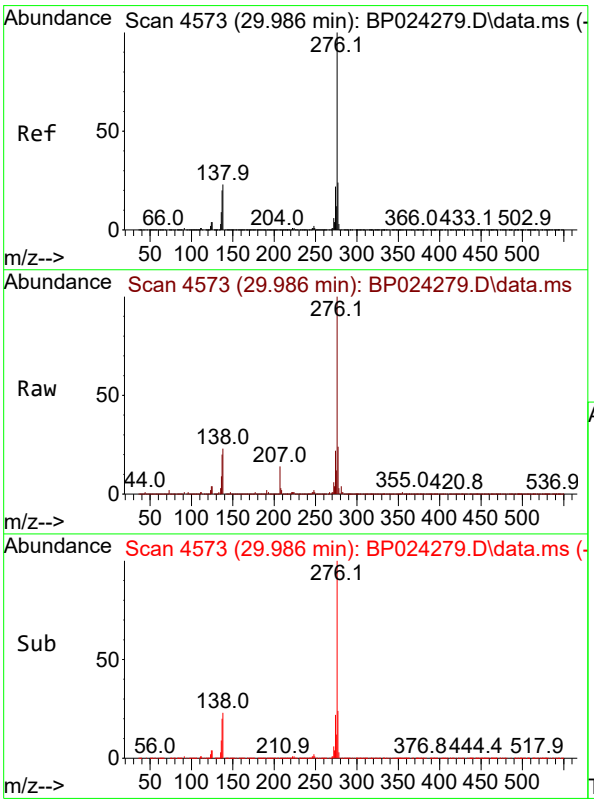
#91
Dibenzo(a,h)anthracene
Concen: 42.061 ng
RT: 28.904 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3573562

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.6	19.0
279	23.1	18.5	27.7

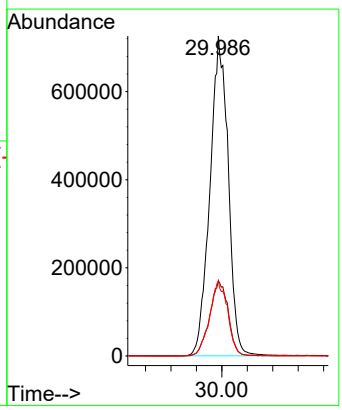




#92
Benzo(g,h,i)perylene
Concen: 41.826 ng
RT: 29.986 min Scan# 4573
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:276 Resp: 3617069

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	23.4	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	277364	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1176925	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	760235	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1505097	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1527193	20.000	ng		0.00
86) Perylene-d12	24.986	264	1706545	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1677842	99.834	ng		0.00
7) Phenol-d6	6.916	99	2353543	102.366	ng		0.00
23) Nitrobenzene-d5	8.881	82	2100100	101.588	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1098486	105.521	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	4800845	95.877	ng		0.00
79) Terphenyl-d14	19.898	244	7671902	100.142	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	333474	46.479	ng		100
3) Pyridine	3.687	79	924382m	49.495	ng		
4) n-Nitrosodimethylamine	3.593	42	306279	49.180	ng		99
6) Aniline	7.075	93	972988	46.879	ng		100
8) 2-Chlorophenol	7.310	128	942078	50.160	ng		99
9) Benzaldehyde	6.887	77	507606	42.627	ng		97
10) Phenol	6.946	94	1177623	51.012	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	915679	49.085	ng		100
12) 1,3-Dichlorobenzene	7.622	146	972089	47.770	ng		100
13) 1,4-Dichlorobenzene	7.769	146	995872	48.262	ng		99
14) 1,2-Dichlorobenzene	8.087	146	944314	47.327	ng		99
15) Benzyl Alcohol	7.975	79	791998	53.745	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	973910	47.988	ng		99
17) 2-Methylphenol	8.175	107	766536	51.526	ng		100
18) Hexachloroethane	8.805	117	360999	48.472	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	722064	50.562	ng		98
20) 3+4-Methylphenols	8.505	107	1086273	52.718	ng		99
22) Acetophenone	8.546	105	1441728	49.289	ng	#	99
24) Nitrobenzene	8.922	77	1025983	50.074	ng		99
25) Isophorone	9.446	82	1913172	51.264	ng		99
26) 2-Nitrophenol	9.622	139	541332	55.024	ng		98
27) 2,4-Dimethylphenol	9.687	122	662183	53.106	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1265001	49.803	ng		100
29) 2,4-Dichlorophenol	10.157	162	904519	53.225	ng		100
30) 1,2,4-Trichlorobenzene	10.369	180	908732	49.426	ng		98
31) Naphthalene	10.557	128	3049887	48.957	ng		100
32) Benzoic acid	9.851	122	794832	58.988	ng		99
33) 4-Chloroaniline	10.669	127	1110772	51.030	ng		99
34) Hexachlorobutadiene	10.840	225	533336	49.450	ng		99
35) Caprolactam	11.463	113	339834	54.466	ng		100
36) 4-Chloro-3-methylphenol	11.798	107	1046795	52.860	ng		99
37) 2-Methylnaphthalene	12.169	142	2156247	49.942	ng		99
38) 1-Methylnaphthalene	12.393	142	2095184	49.538	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1034638	49.522	ng		99
41) Hexachlorocyclopentadiene	12.522	237	378578	51.614	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	732902	53.315	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

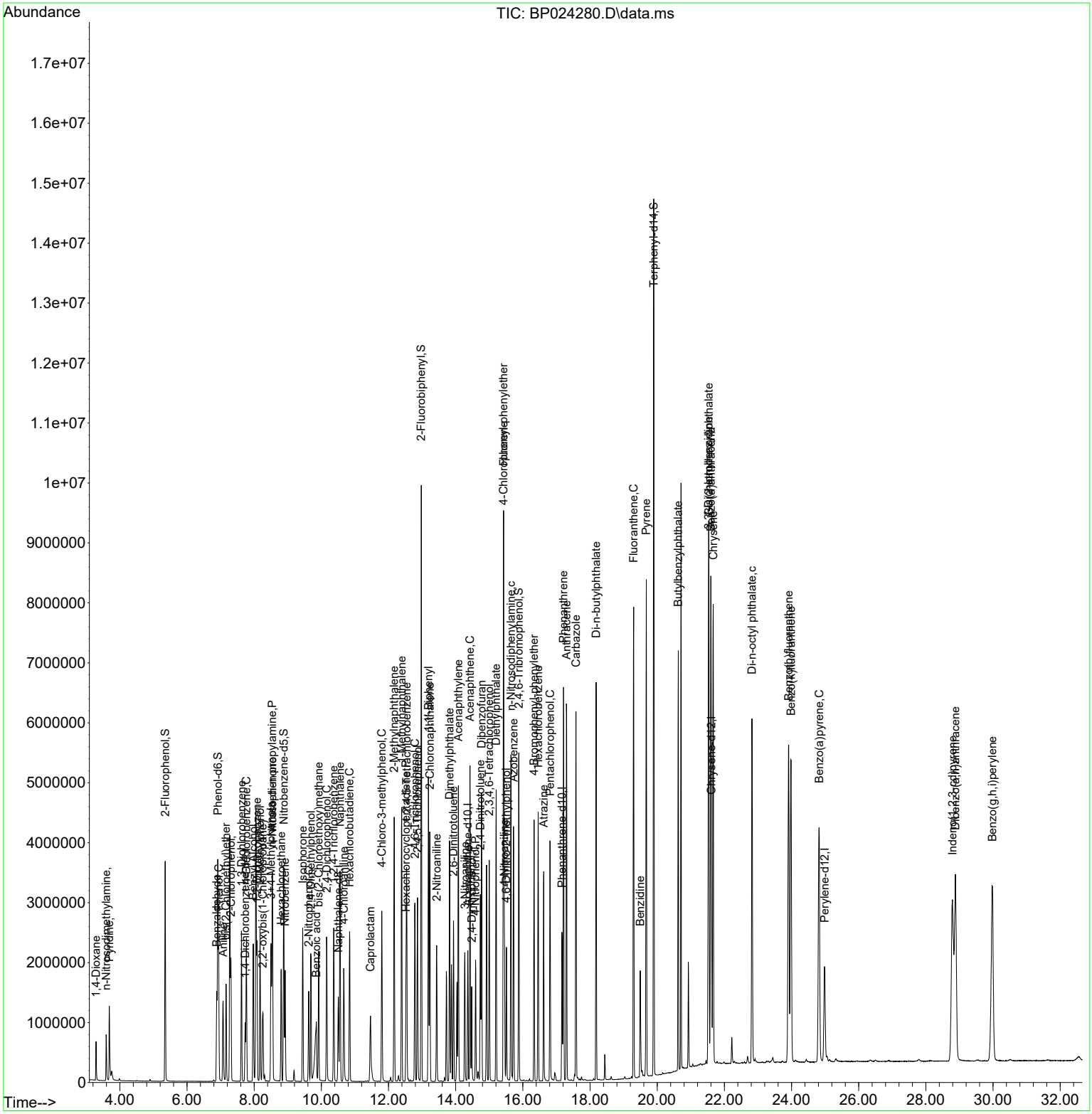
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	814885	53.491	ng	98
46) 1,1'-Biphenyl	13.187	154	2725840	48.551	ng	99
47) 2-Chloronaphthalene	13.234	162	2062098	49.220	ng	100
48) 2-Nitroaniline	13.434	65	616599	53.282	ng	98
49) Acenaphthylene	14.081	152	3279666	49.877	ng	100
50) Dimethylphthalate	13.822	163	2775759	50.046	ng	100
51) 2,6-Dinitrotoluene	13.934	165	606525	51.903	ng	98
52) Acenaphthene	14.428	154	2054333	49.128	ng	100
53) 3-Nitroaniline	14.275	138	649071	53.536	ng	98
54) 2,4-Dinitrophenol	14.481	184	373165	59.640	ng	99
55) Dibenzofuran	14.769	168	3318798	48.392	ng	100
56) 4-Nitrophenol	14.592	139	581023	55.750	ng	97
57) 2,4-Dinitrotoluene	14.734	165	839701	53.160	ng	99
58) Fluorene	15.428	166	2599105	49.085	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	734741	52.128	ng	100
60) Diethylphthalate	15.204	149	2849294	49.914	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	1267291	49.287	ng	99
62) 4-Nitroaniline	15.451	138	691081	53.764	ng	96
63) Azobenzene	15.722	77	2632843	50.076	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	503765	57.285	ng	97
66) n-Nitrosodiphenylamine	15.645	169	2225475	49.312	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	827245	50.389	ng	99
68) Hexachlorobenzene	16.457	284	983768	50.405	ng	98
69) Atrazine	16.622	200	610479	53.356	ng	100
70) Pentachlorophenol	16.810	266	739779	55.203	ng	99
71) Phenanthrene	17.210	178	4024282	48.768	ng	100
72) Anthracene	17.298	178	3960913	49.883	ng	100
73) Carbazole	17.581	167	3814743	49.364	ng	100
74) Di-n-butylphthalate	18.180	149	4930617	51.208	ng	100
75) Fluoranthene	19.298	202	4815021	49.160	ng	99
77) Benzidine	19.498	184	1272924	67.525	ng	99
78) Pyrene	19.675	202	4942328	50.577	ng	100
80) Butylbenzylphthalate	20.627	149	2215843	53.788	ng	97
81) Benzo(a)anthracene	21.598	228	4711301	49.485	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	1768950	53.582	ng	99
83) Chrysene	21.669	228	4480150	49.099	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	3256722	53.679	ng	99
85) Di-n-octyl phthalate	22.821	149	5458484	56.166	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	5977144m	50.926	ng	
88) Benzo(b)fluoranthene	23.915	252	5102465	49.975	ng	99
89) Benzo(k)fluoranthene	23.986	252	4923203	49.683	ng	99
90) Benzo(a)pyrene	24.821	252	4490517	51.093	ng	100
91) Dibenzo(a,h)anthracene	28.880	278	4987219	51.084	ng	98
92) Benzo(g,h,i)perylene	29.980	276	5033807	50.656	ng	99

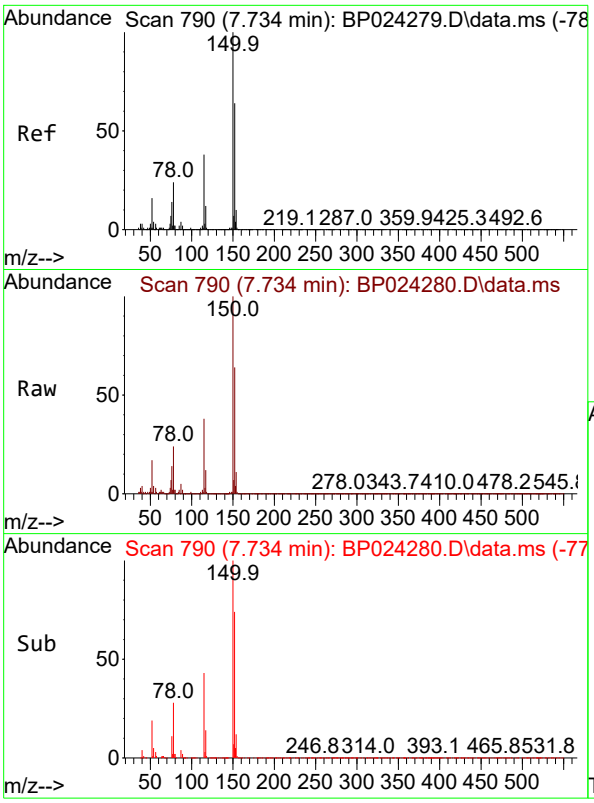
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



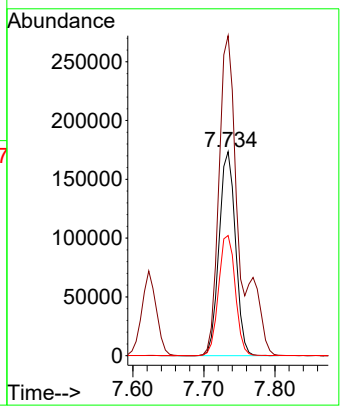


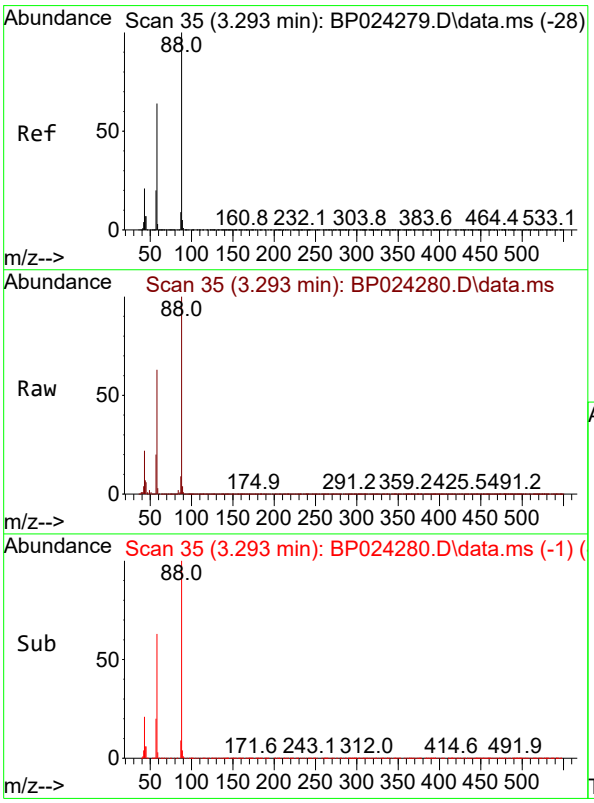
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 277364

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.9	187.3
115	58.9	47.7	71.5

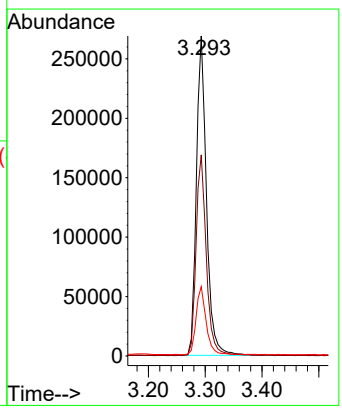


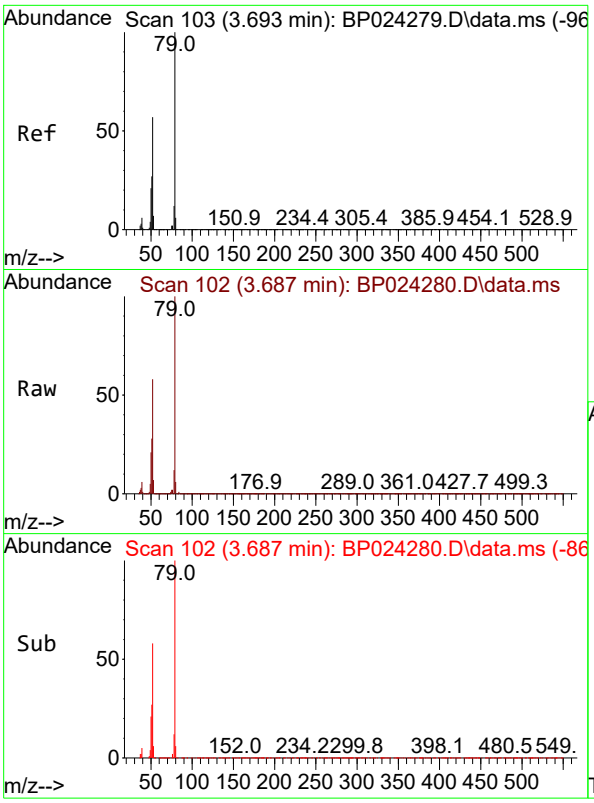


#2
1,4-Dioxane
Concen: 46.479 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 88 Resp: 333474

Ion	Ratio	Lower	Upper
88	100		
58	64.0	51.4	77.2
43	21.2	17.1	25.7



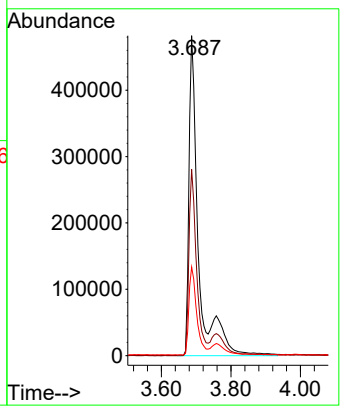


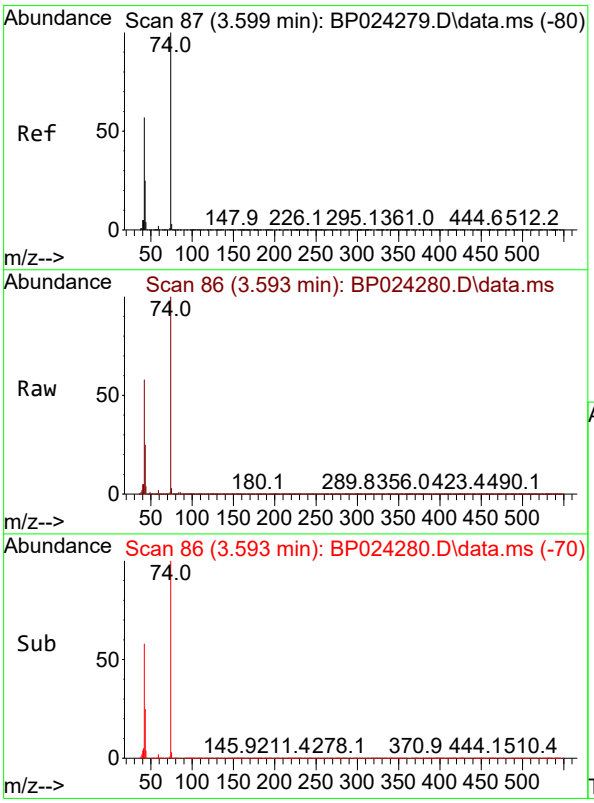
#3
Pyridine
Concen: 49.495 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 924382

Ion	Ratio	Lower	Upper
79	100		
52	58.2	45.4	68.2
51	27.7	22.6	33.8

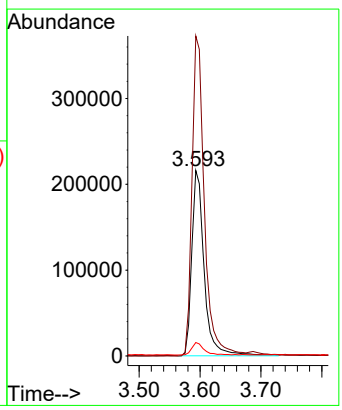


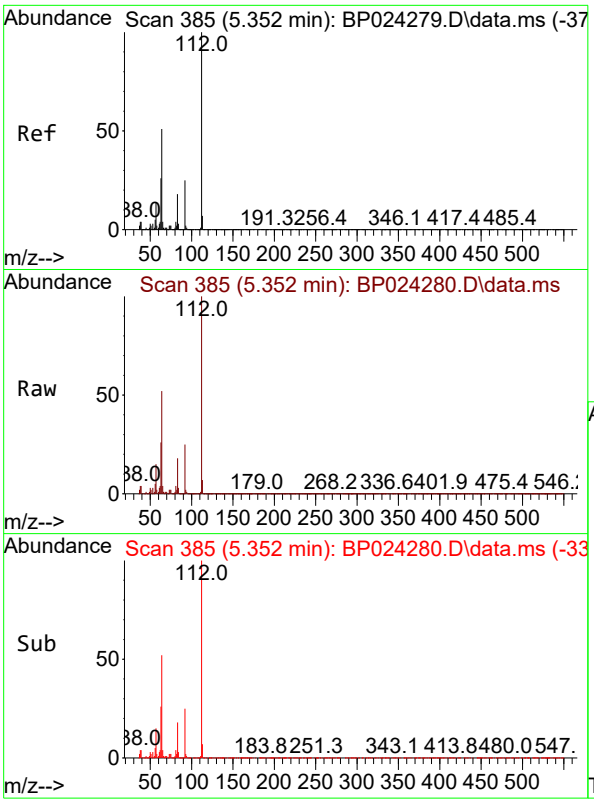


#4
n-Nitrosodimethylamine
Concen: 49.180 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 42 Resp: 306279

Ion	Ratio	Lower	Upper
42	100		
74	172.6	139.5	209.3
44	7.3	5.8	8.8



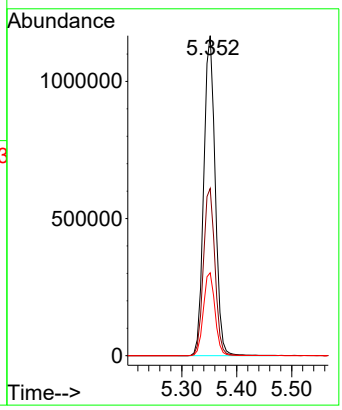


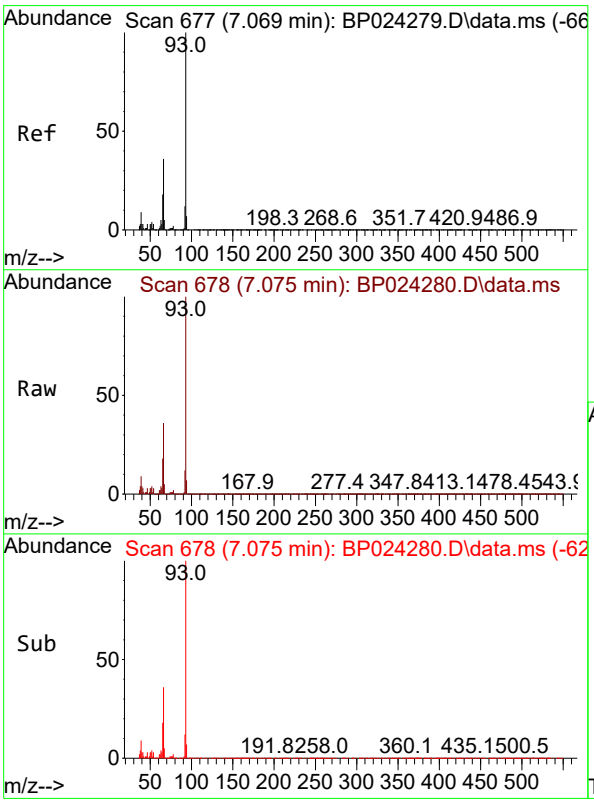
#5
2-Fluorophenol
Concen: 99.834 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1677842

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.1	61.7
63	25.9	20.6	30.8

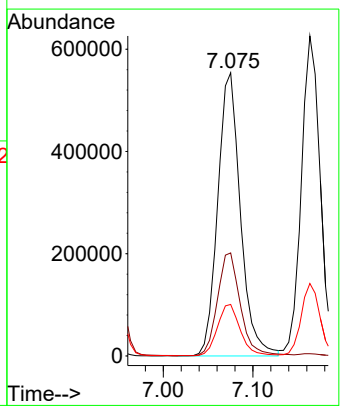


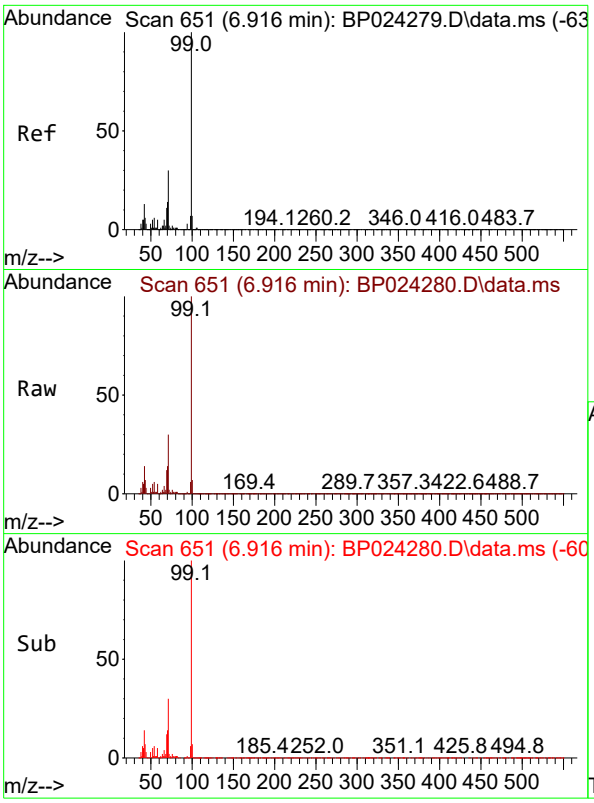


#6
Aniline
Concen: 46.879 ng
RT: 7.075 min Scan# 678
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 972988

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.2	14.7	22.1



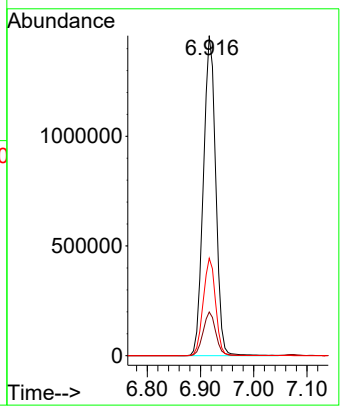


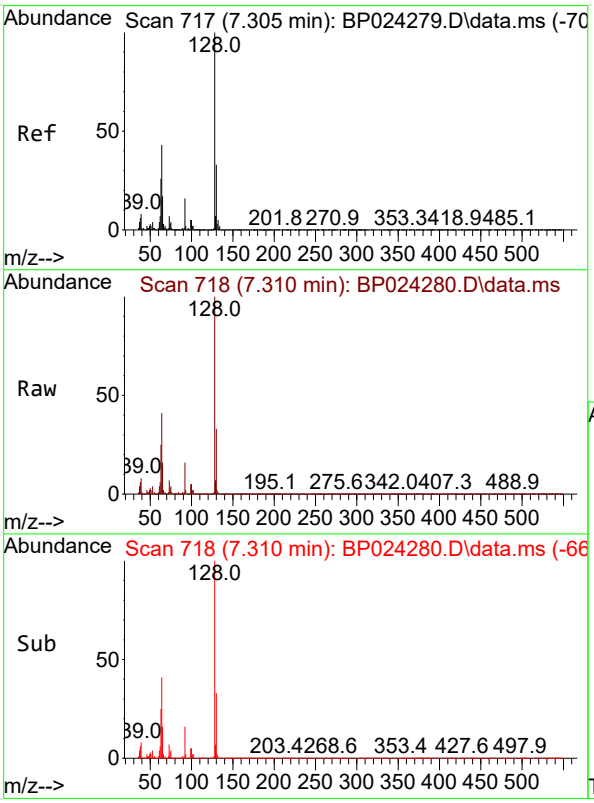
#7
Phenol-d6
Concen: 102.366 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2353543

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.4	23.7	35.5

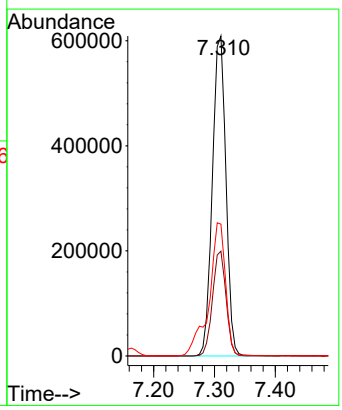


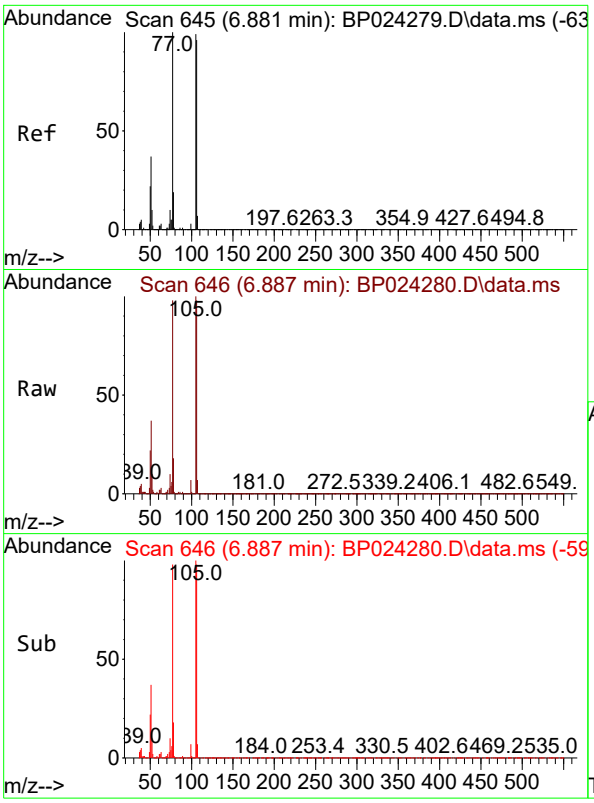


#8
2-Chlorophenol
Concen: 50.160 ng
RT: 7.310 min Scan# 718
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:128 Resp: 942078

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	41.2	22.7	62.7



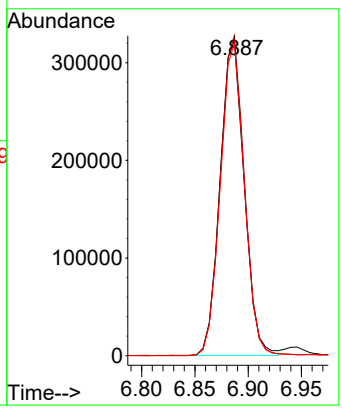


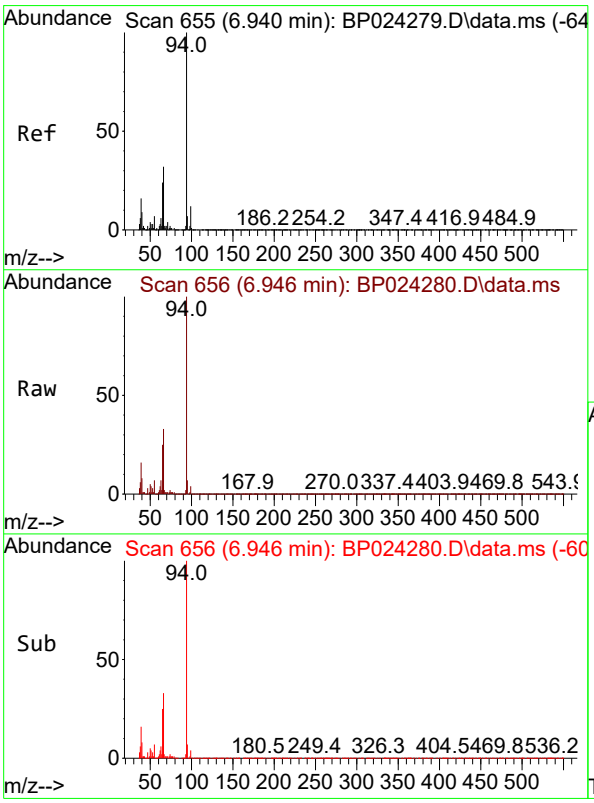
#9
Benzaldehyde
Concen: 42.627 ng
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 507606

Ion	Ratio	Lower	Upper
77	100		
105	101.5	79.2	119.2
106	99.2	76.2	116.2

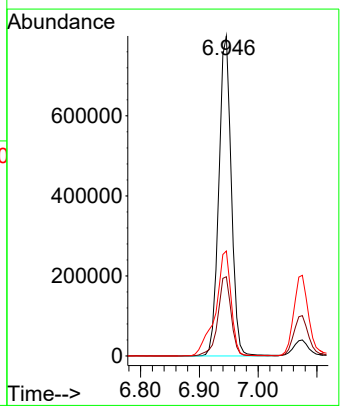


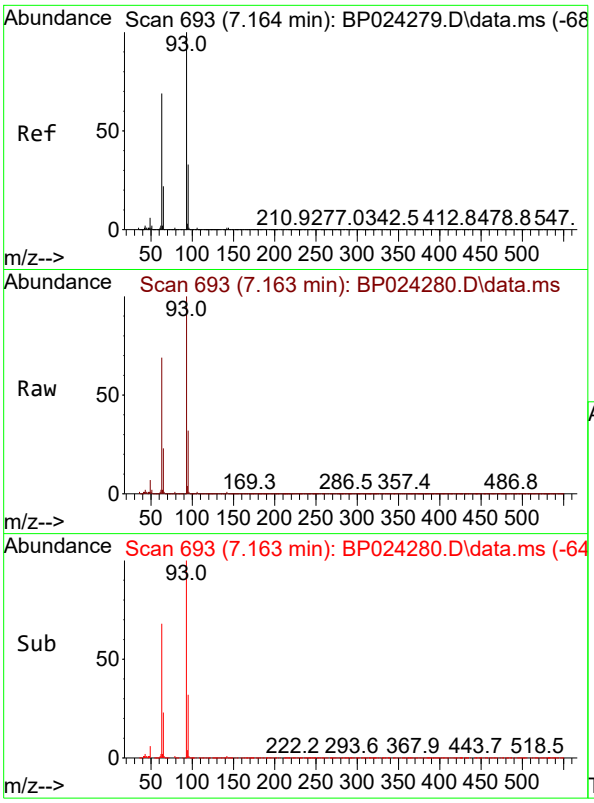


#10
Phenol
Concen: 51.012 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 94 Resp: 1177623

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



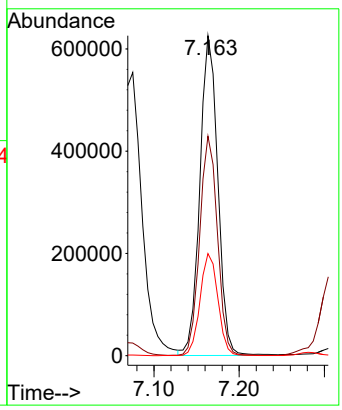


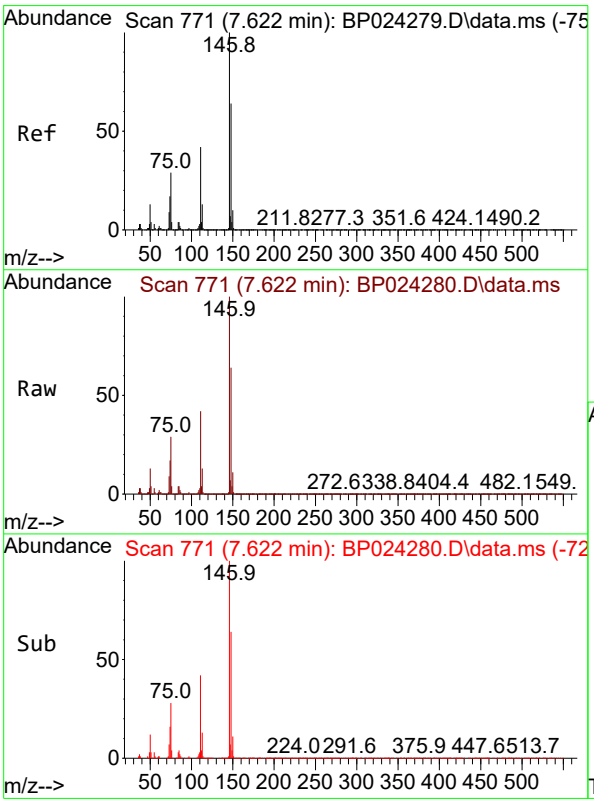
#11
bis(2-Chloroethyl)ether
Concen: 49.085 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 915679

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	31.9	12.3	52.3

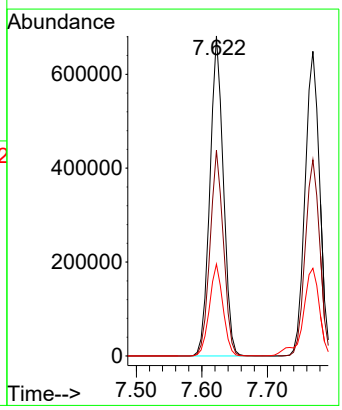


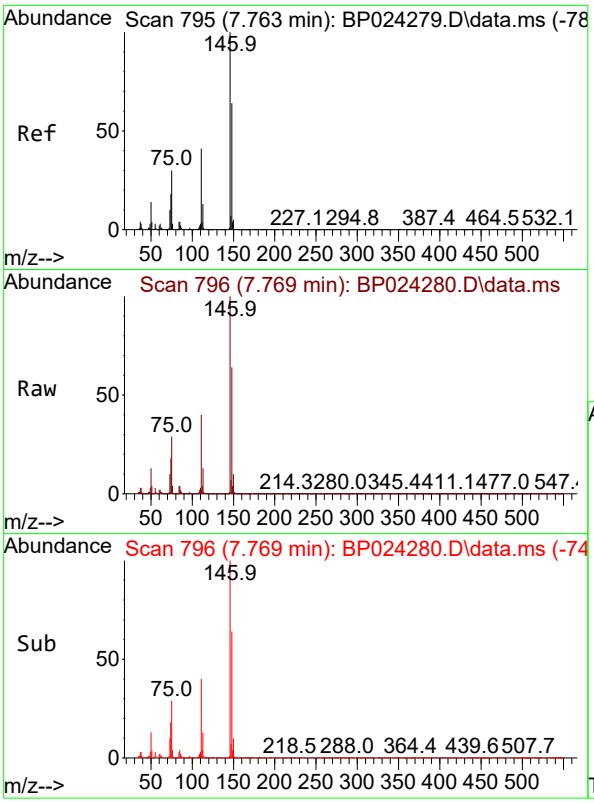


#12
1,3-Dichlorobenzene
Concen: 47.770 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 972089

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.7	22.9	34.3



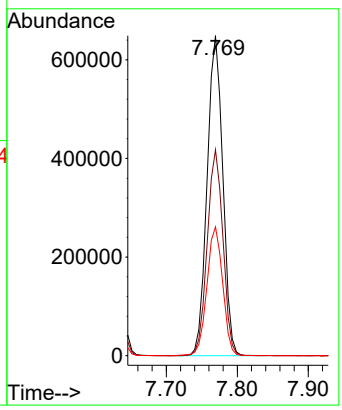


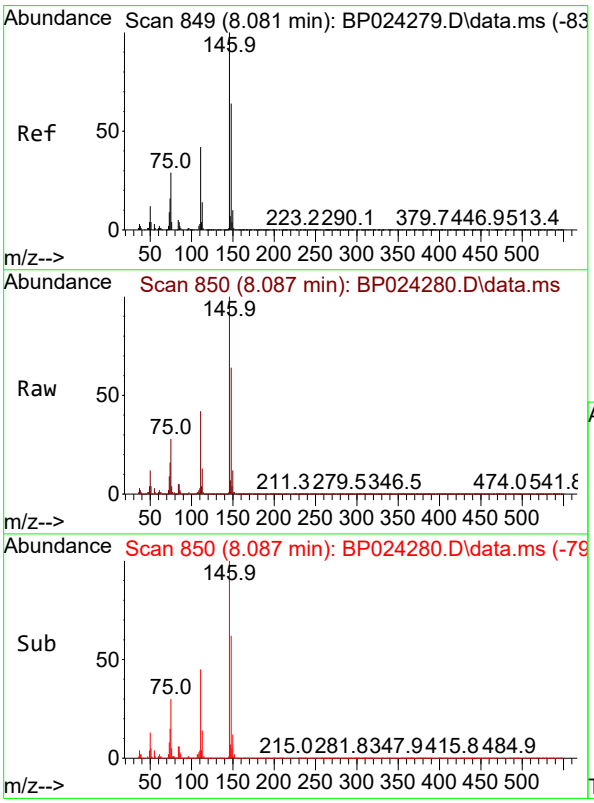
#13
1,4-Dichlorobenzene
Concen: 48.262 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 995872

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
111	40.3	32.6	48.8

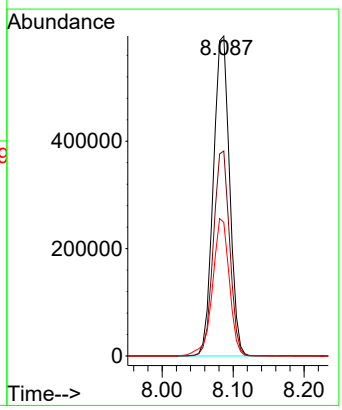


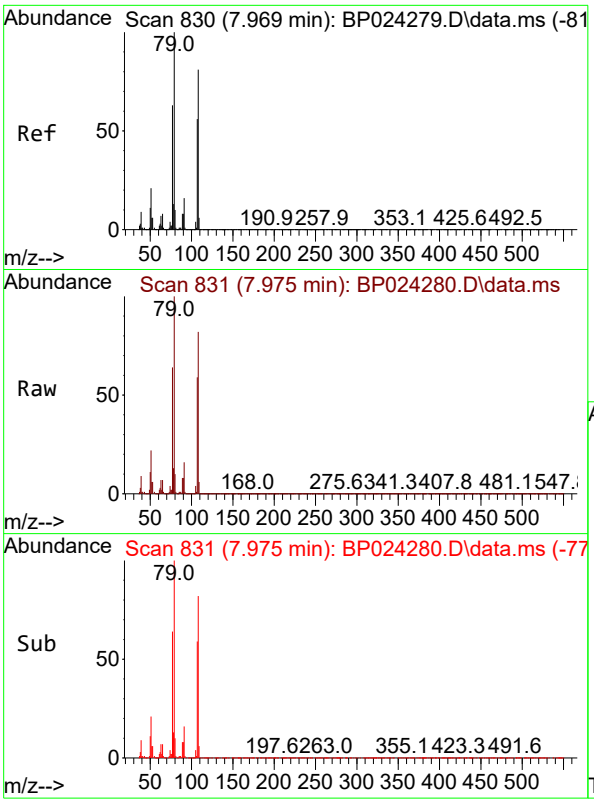


#14
1,2-Dichlorobenzene
Concen: 47.327 ng
RT: 8.087 min Scan# 850
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 944314

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
111	41.8	33.8	50.8



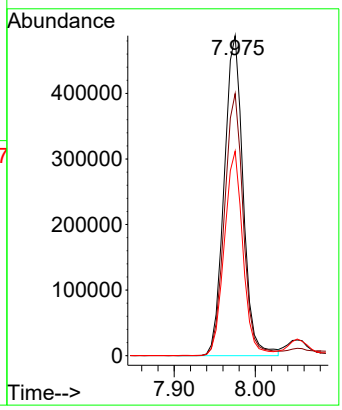


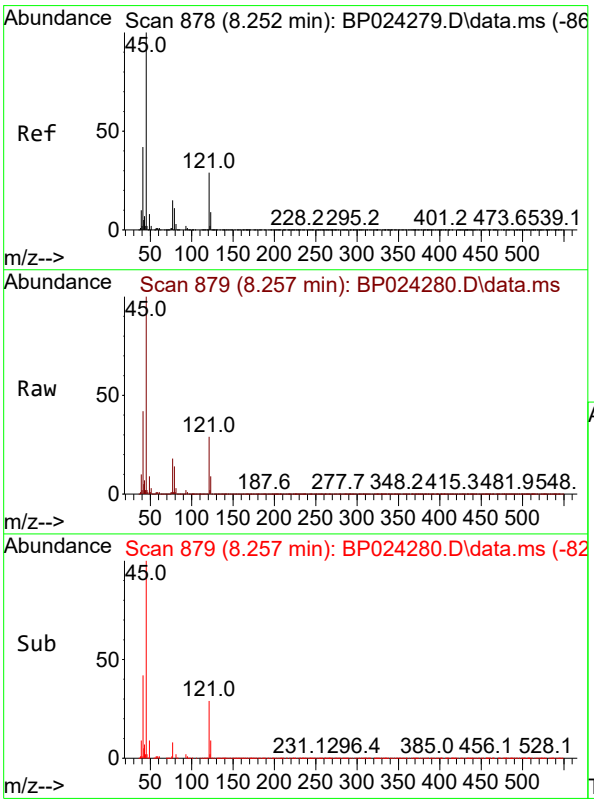
#15
Benzyl Alcohol
Concen: 53.745 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 791998

Ion	Ratio	Lower	Upper
79	100		
108	81.9	65.1	97.7
77	63.9	50.7	76.1

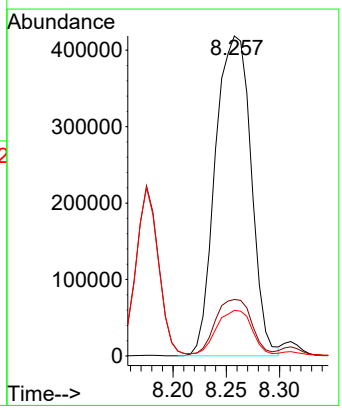


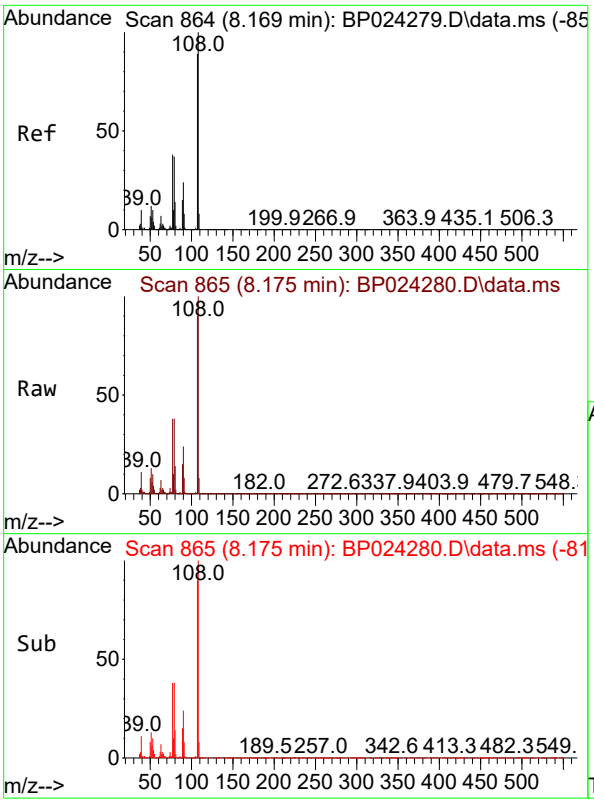


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.988 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 45 Resp: 973910

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	14.2	0.0	33.5



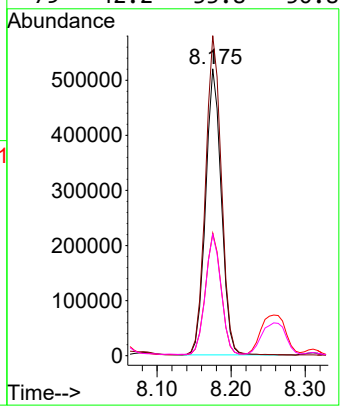


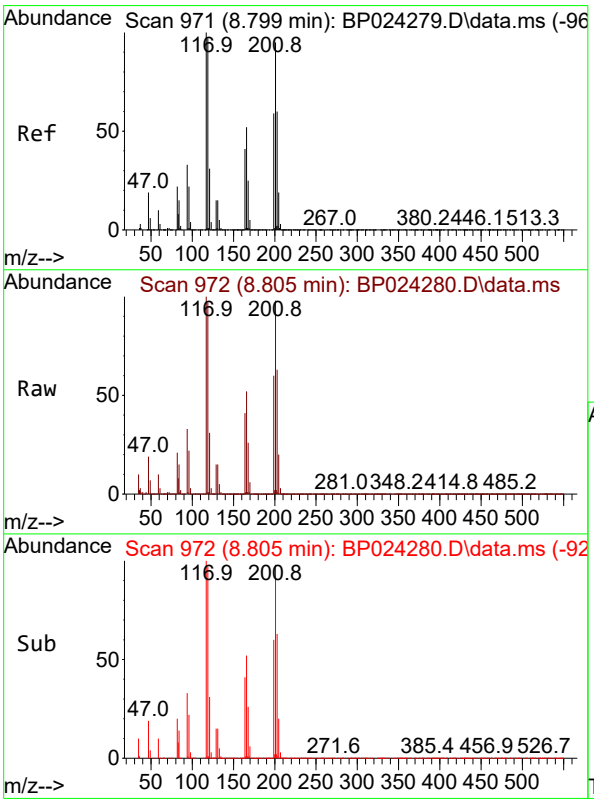
#17
2-Methylphenol
Concen: 51.526 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 766536

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	42.7	34.2	51.4
79	42.2	33.8	50.8

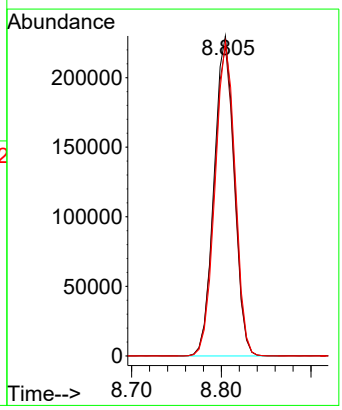


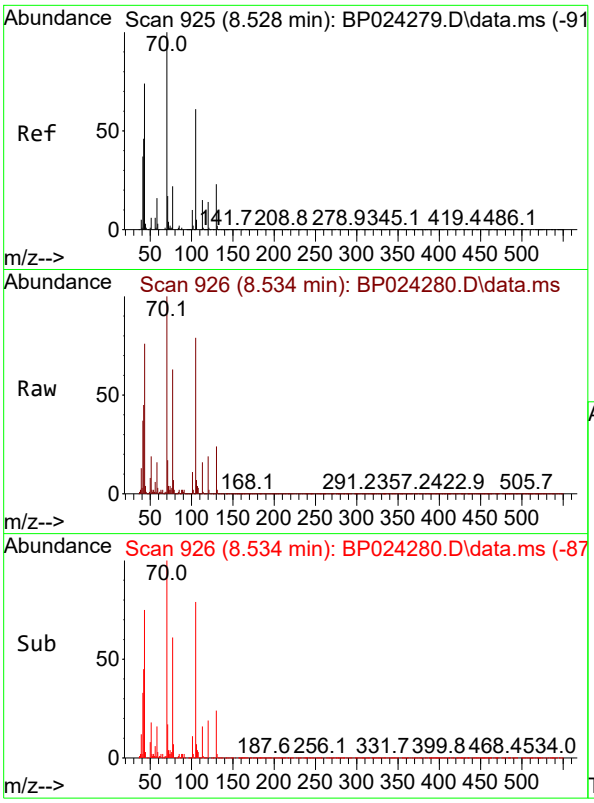


#18
Hexachloroethane
Concen: 48.472 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:117 Resp: 360999

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.6
201	98.2	75.9	113.9



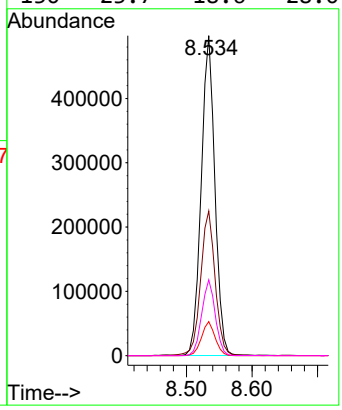


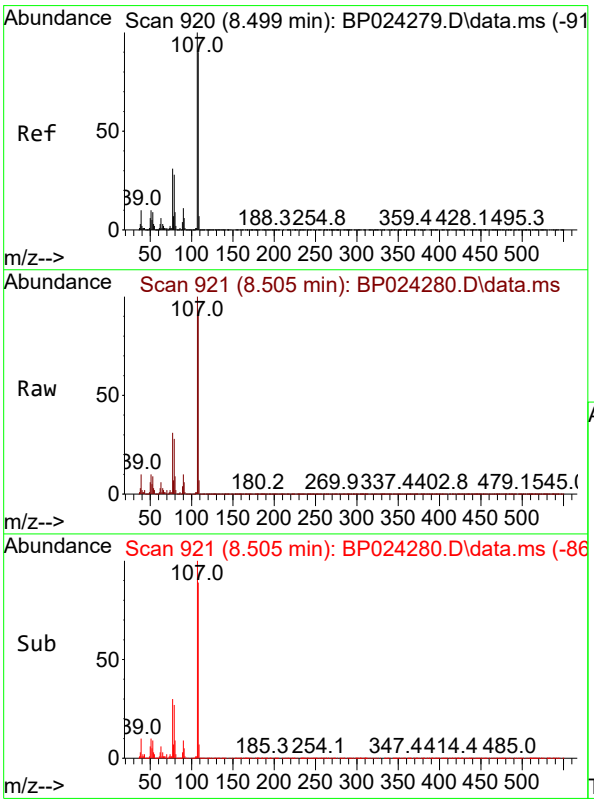
#19
n-Nitroso-di-n-propylamine
Concen: 50.562 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 722064

Ion	Ratio	Lower	Upper
70	100		
42	45.2	37.3	55.9
101	10.6	8.2	12.4
130	23.7	18.6	28.0

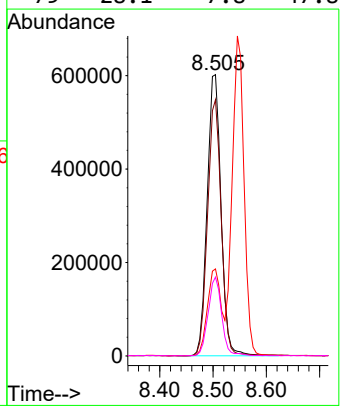


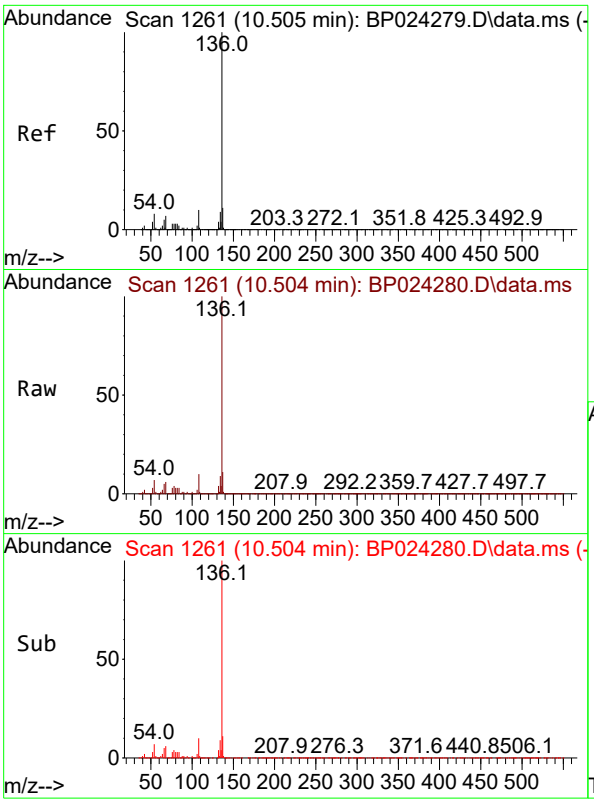


#20
3+4-Methylphenols
Concen: 52.718 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1086273

Ion	Ratio	Lower	Upper
107	100		
108	91.1	69.8	109.8
77	31.0	11.5	51.5
79	28.1	7.8	47.8



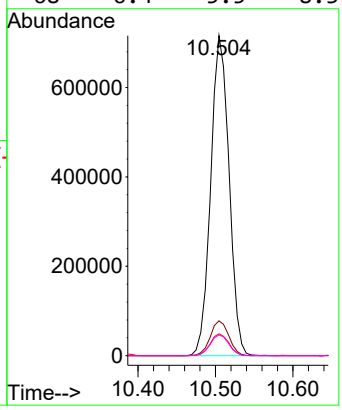


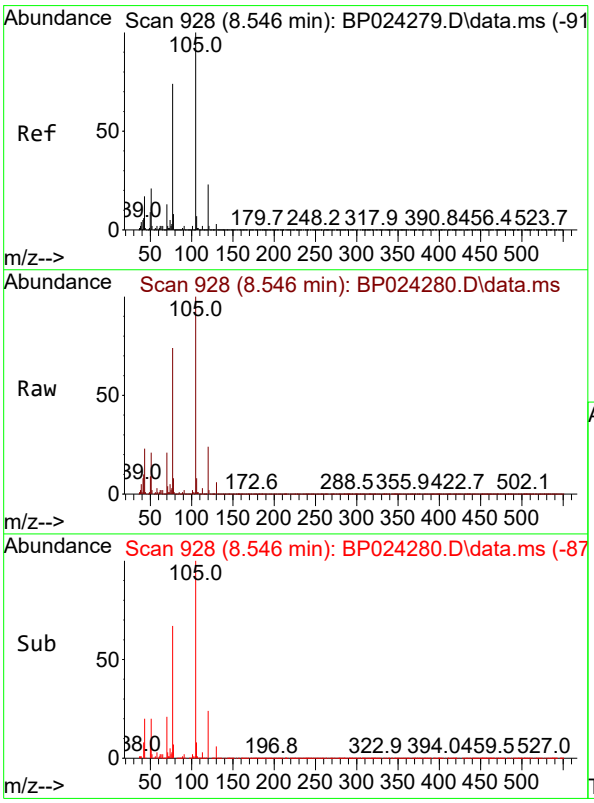
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1176925

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.9	6.0	9.0
68	6.4	5.5	8.3

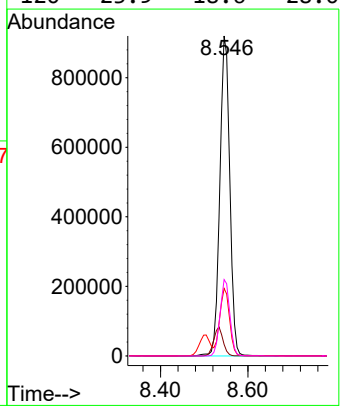


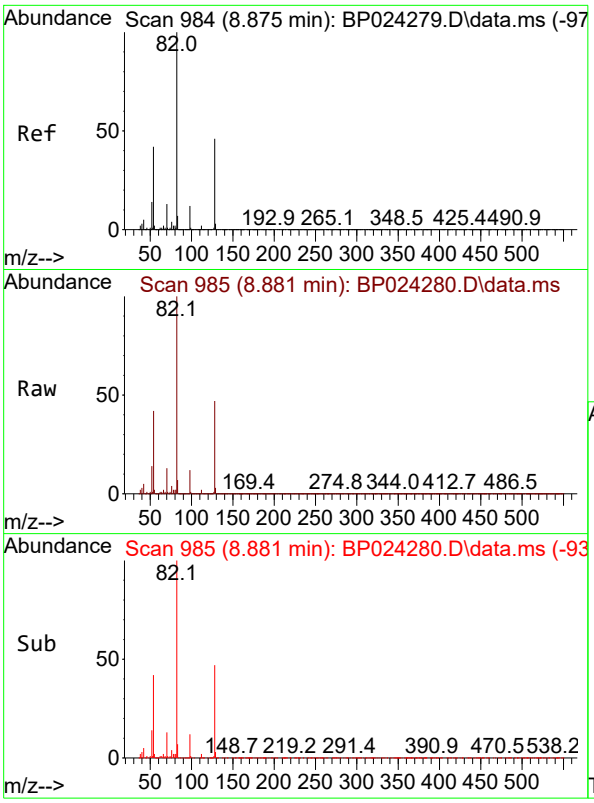


#22
Acetophenone
Concen: 49.289 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:105 Resp: 1441728

Ion	Ratio	Lower	Upper
105	100		
71	3.6	1.7	2.5#
51	21.1	16.9	25.3
120	23.9	18.6	28.0



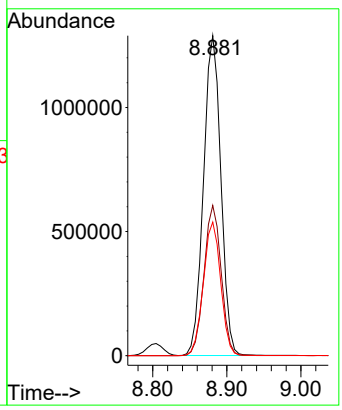


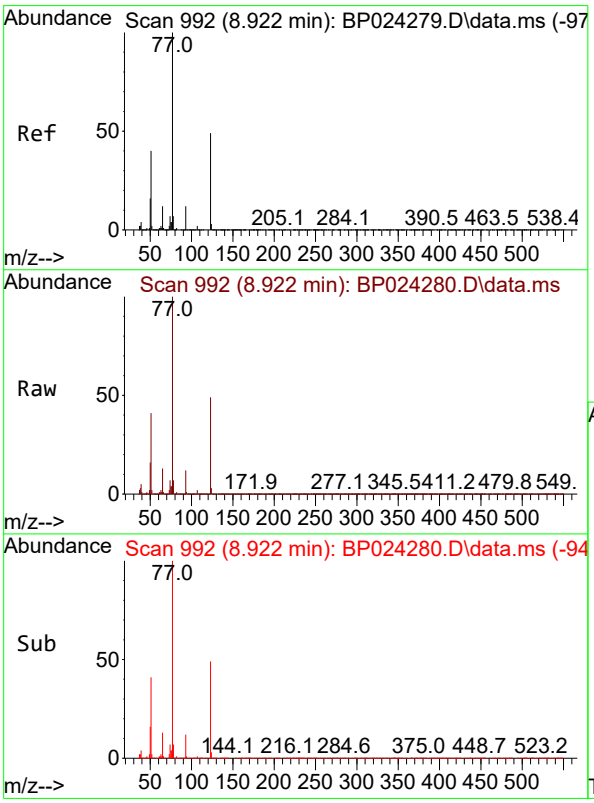
#23
Nitrobenzene-d5
Concen: 101.588 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2100100

Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.5	54.7
54	41.8	33.4	50.2

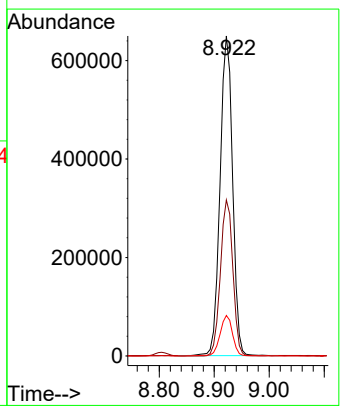


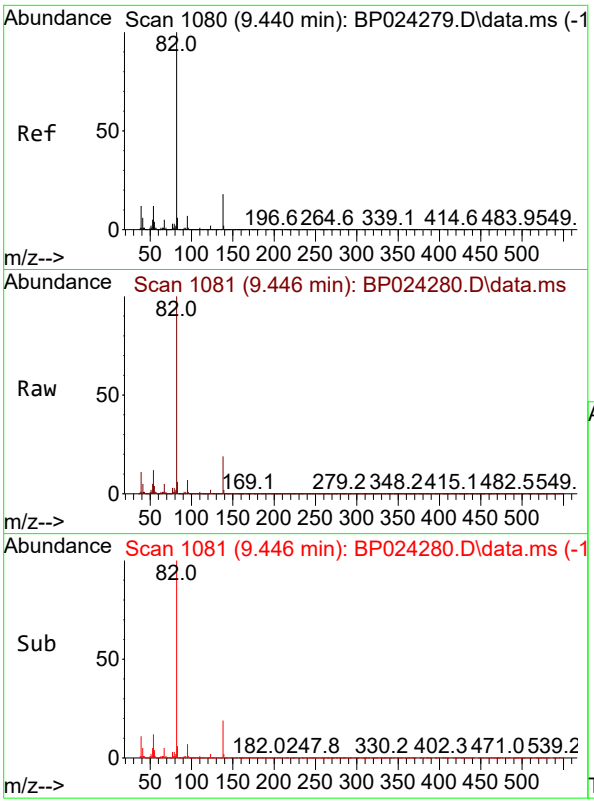


#24
Nitrobenzene
Concen: 50.074 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 77 Resp: 1025983

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.7	9.8	14.6



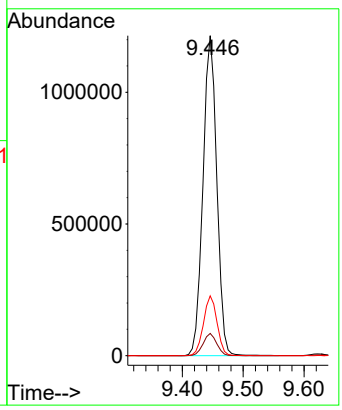


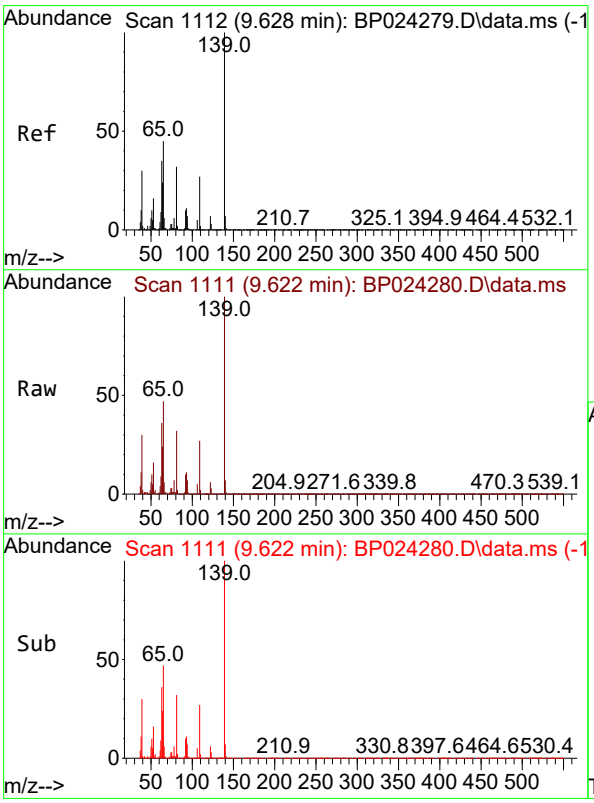
#25
Isophorone
Concen: 51.264 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1913172

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.7	14.4	21.6

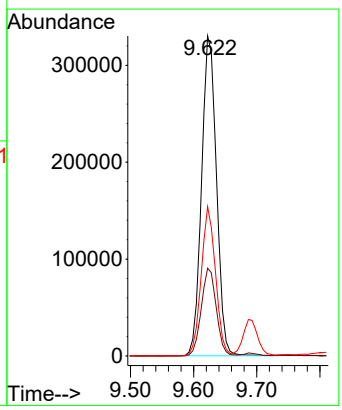


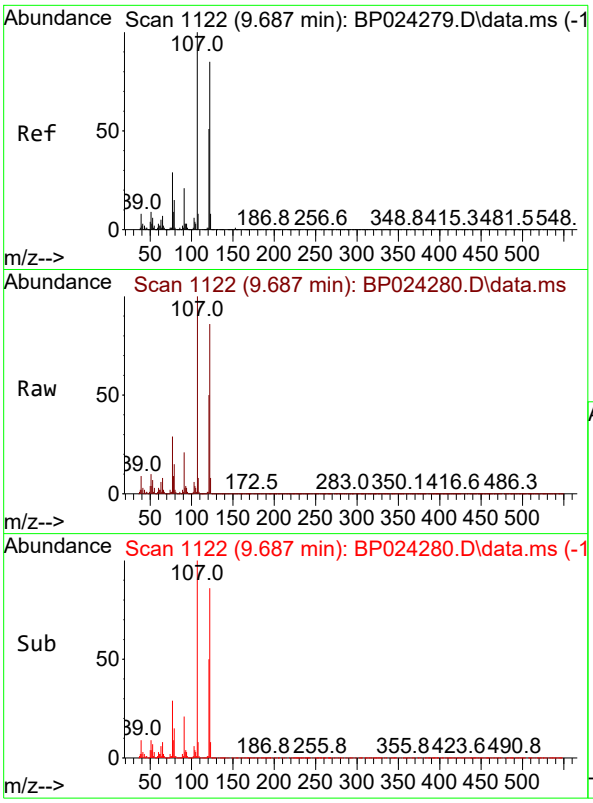


#26
2-Nitrophenol
Concen: 55.024 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 541332

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	46.7	36.2	54.2



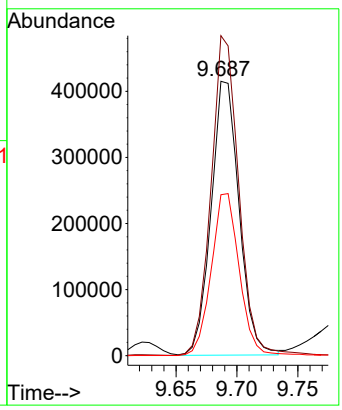


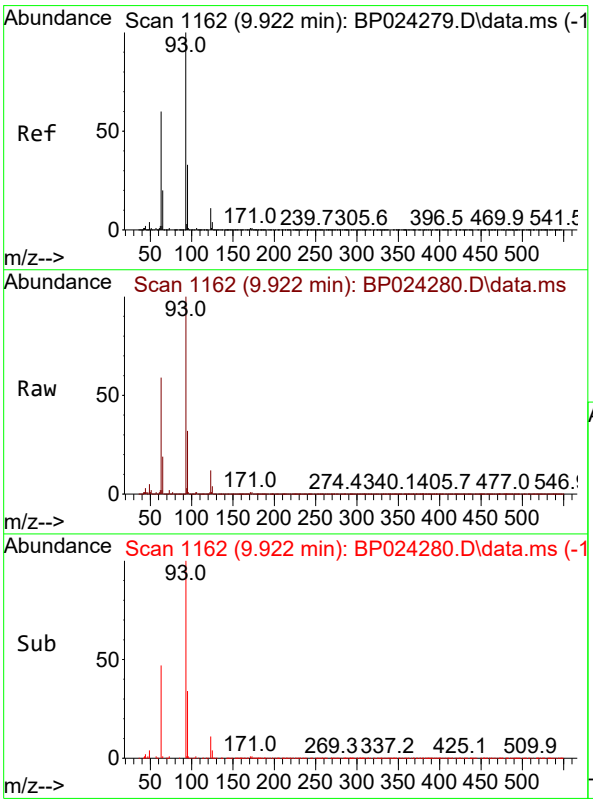
#27
2,4-Dimethylphenol
Concen: 53.106 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 662183

Ion	Ratio	Lower	Upper
122	100		
107	116.6	93.7	140.5
121	58.7	48.2	72.2

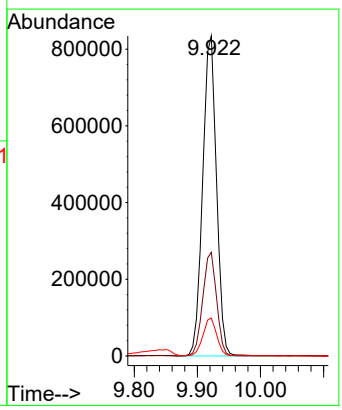


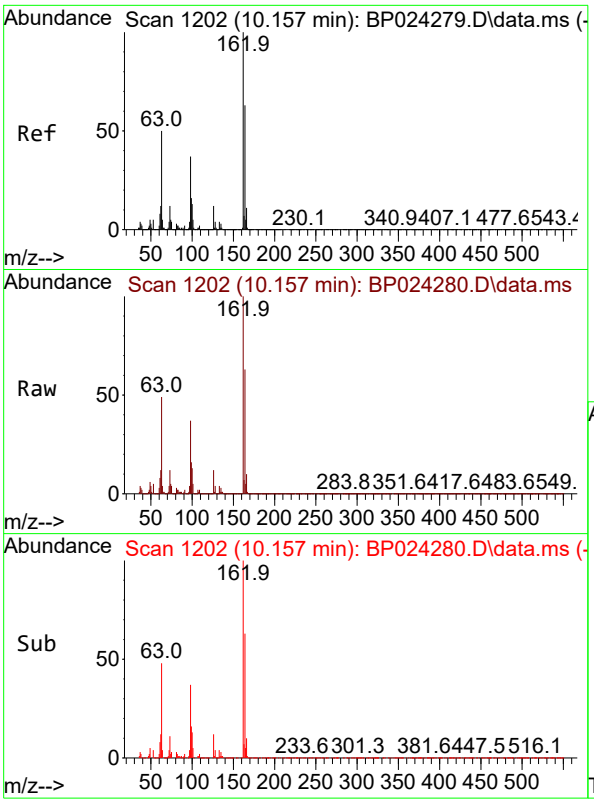


#28
bis(2-Chloroethoxy)methane
Concen: 49.803 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 1265001

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	11.8	9.1	13.7



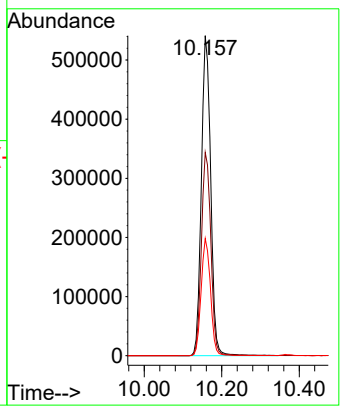


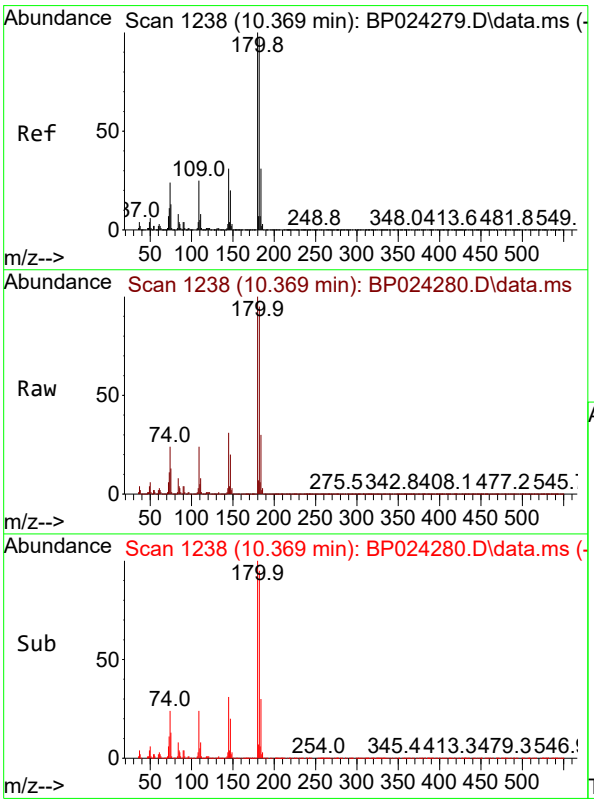
#29
2,4-Dichlorophenol
Concen: 53.225 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 904519

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.3	83.3
98	36.6	16.6	56.6

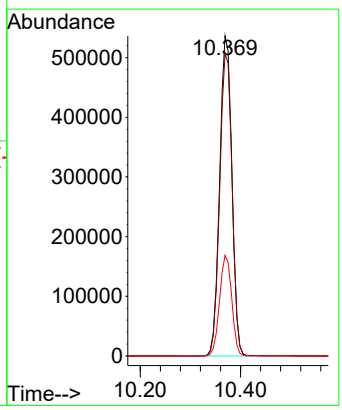


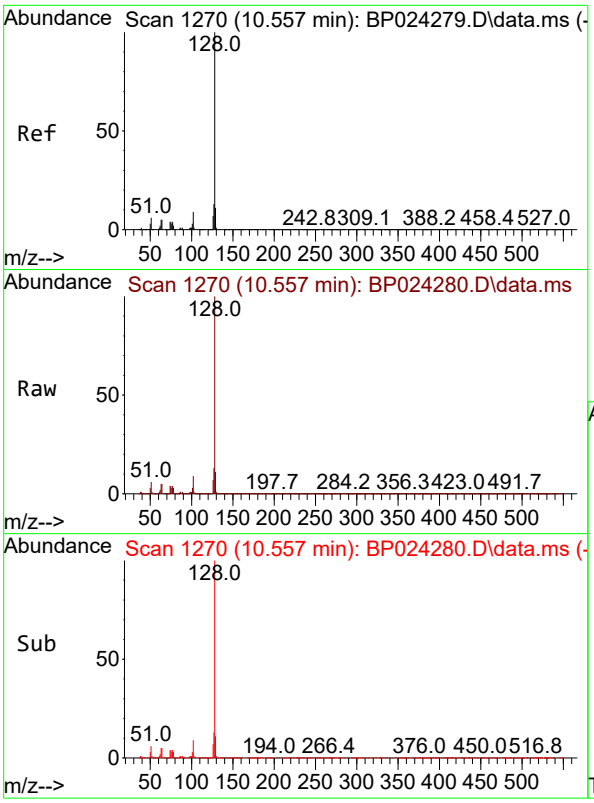


#30
1,2,4-Trichlorobenzene
Concen: 49.426 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:180 Resp: 908732

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.3	115.9
145	31.4	25.1	37.7



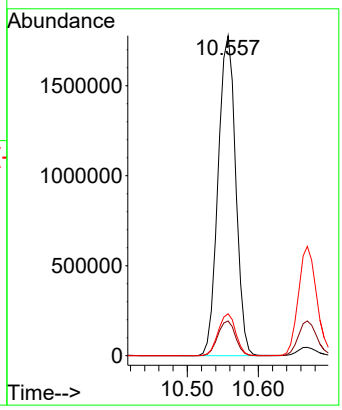


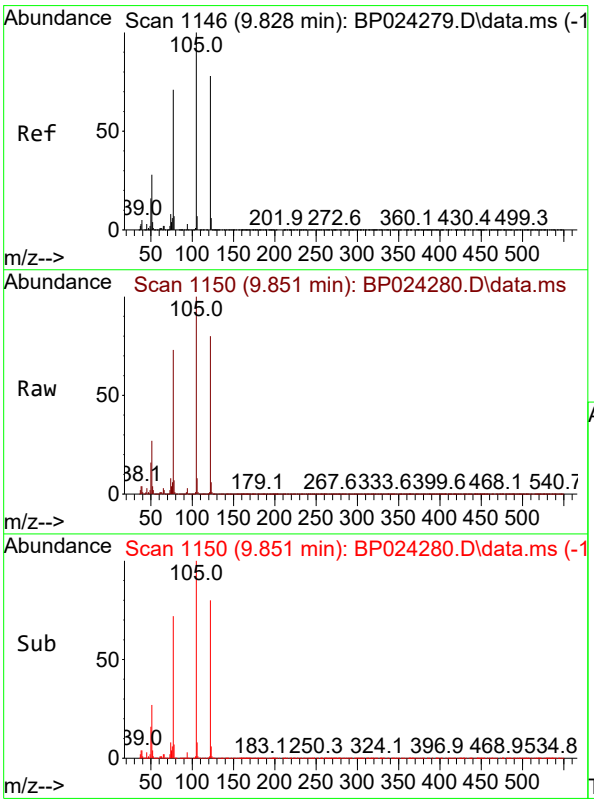
#31
Naphthalene
Concen: 48.957 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3049887

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.3	15.5

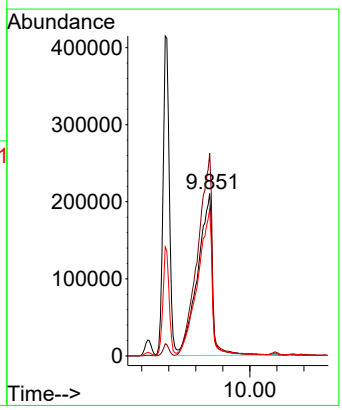


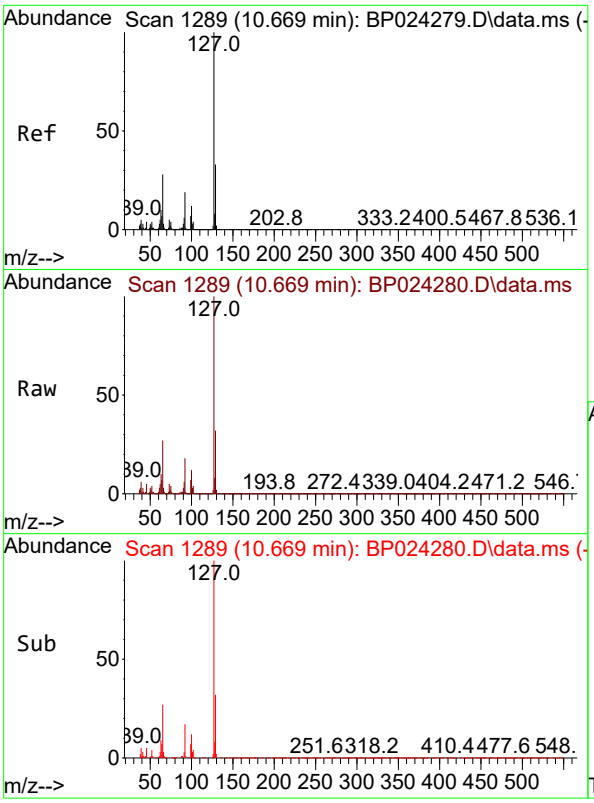


#32
Benzoic acid
Concen: 58.988 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.023 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:122 Resp: 794832

Ion	Ratio	Lower	Upper
122	100		
105	124.7	104.8	144.8
77	90.5	69.2	109.2



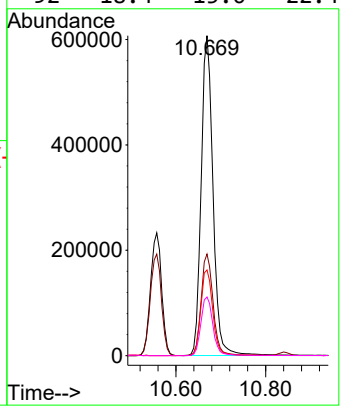


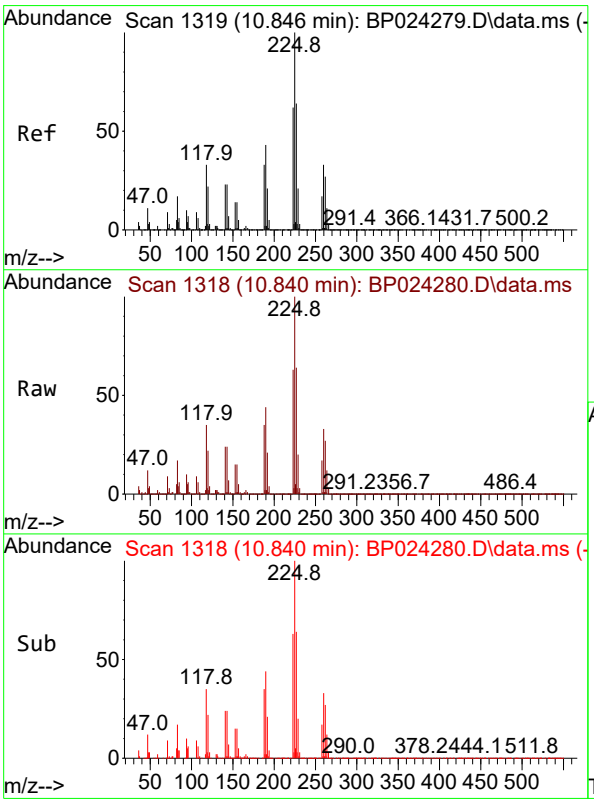
#33
4-Chloroaniline
Concen: 51.030 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1110772

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	26.8	22.1	33.1
92	18.4	15.0	22.4

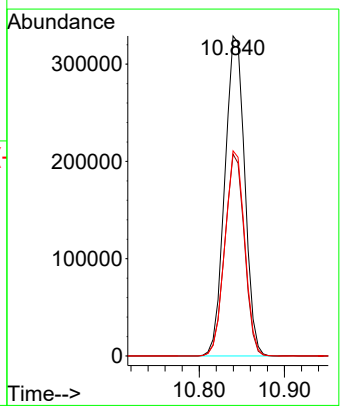


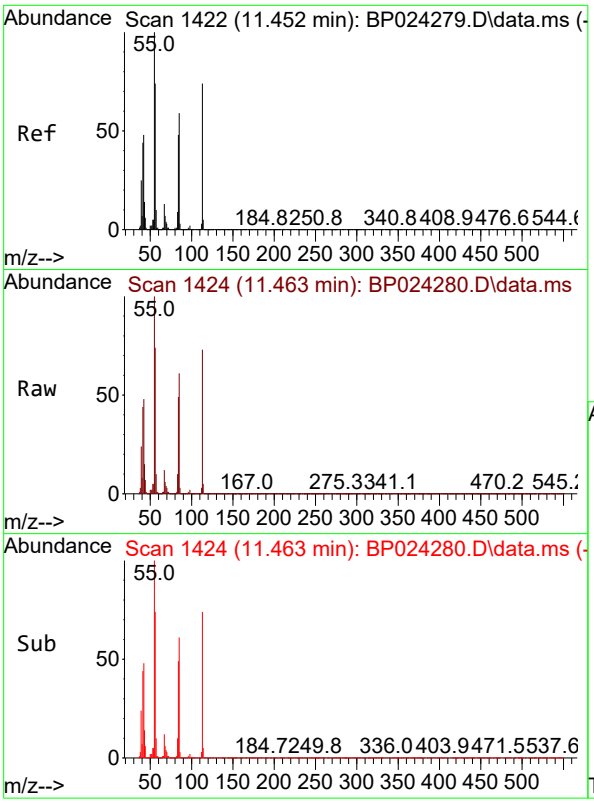


#34
Hexachlorobutadiene
Concen: 49.450 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:225 Resp: 533336

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.5	74.3
227	64.1	50.9	76.3



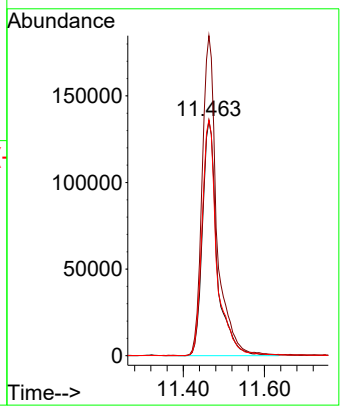


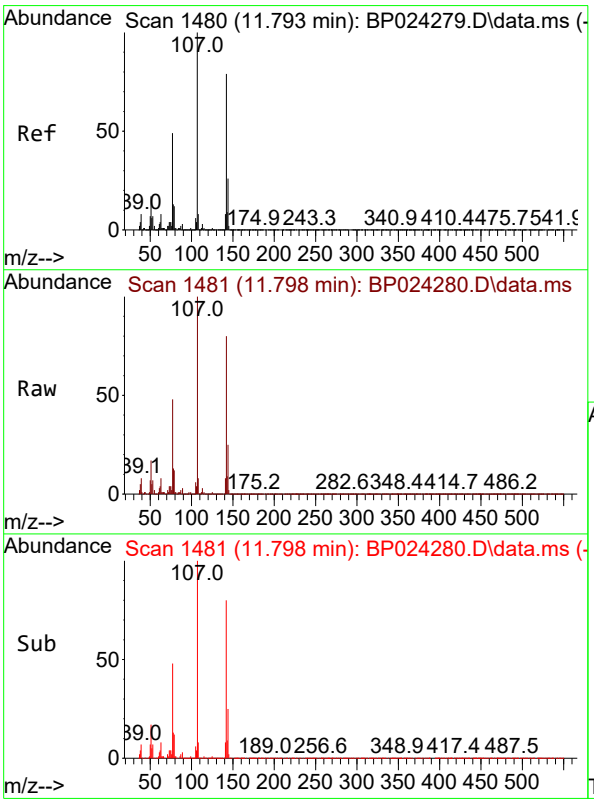
#35
Caprolactam
Concen: 54.466 ng
RT: 11.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 339834

Ion	Ratio	Lower	Upper
113	100		
55	136.1	115.9	155.9
56	100.2	81.1	121.1

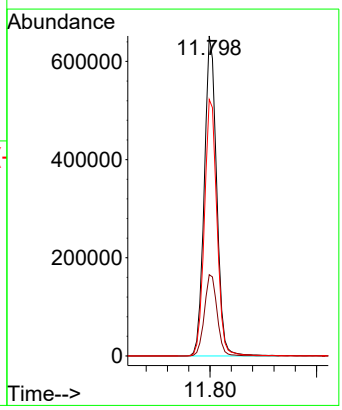


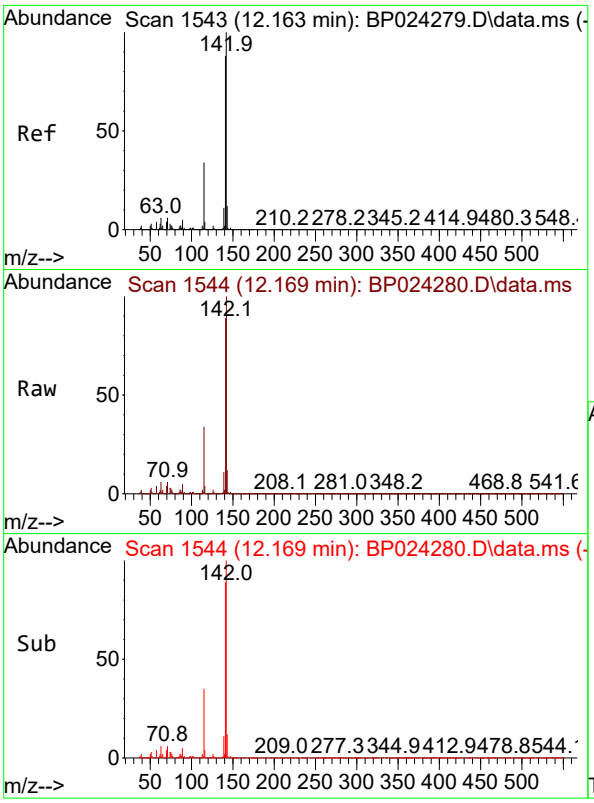


#36
4-Chloro-3-methylphenol
Concen: 52.860 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1046795

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	80.1	63.4	95.2



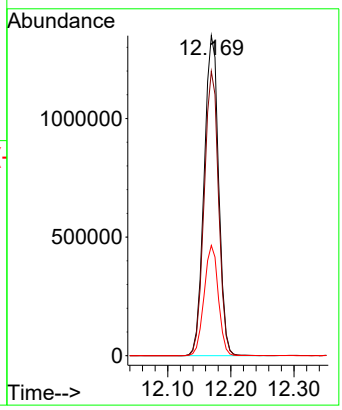


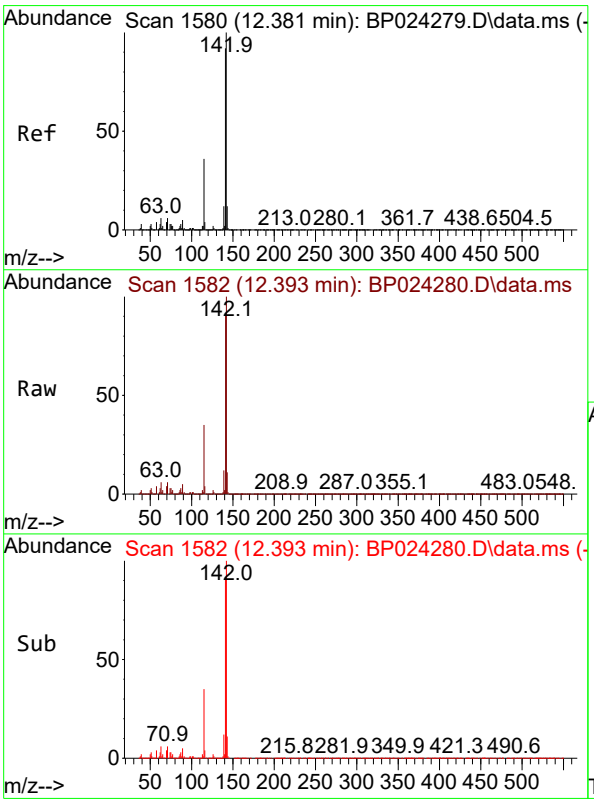
#37
2-Methylnaphthalene
Concen: 49.942 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2156247

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	34.5	26.9	40.3

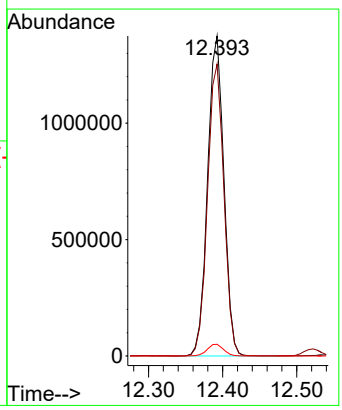


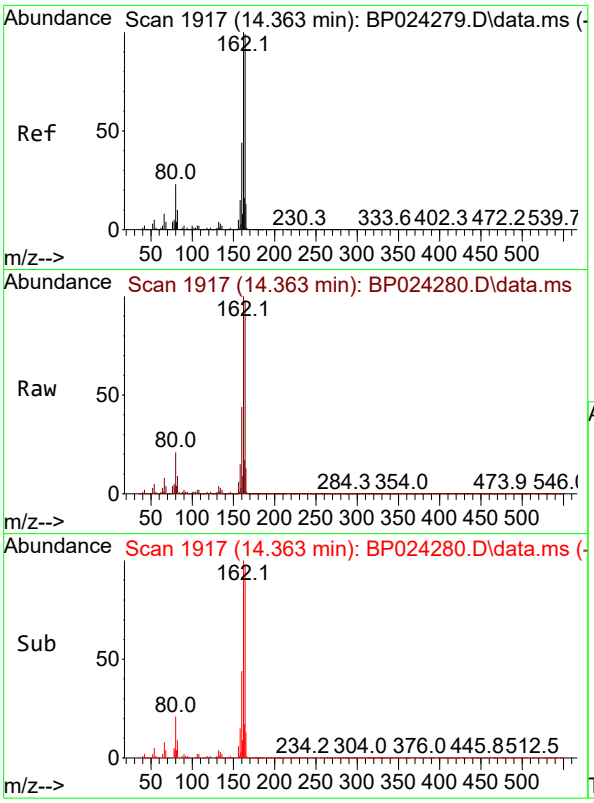


#38
1-Methylnaphthalene
Concen: 49.538 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:142 Resp: 2095184

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.6	110.4
116	3.7	3.0	4.6



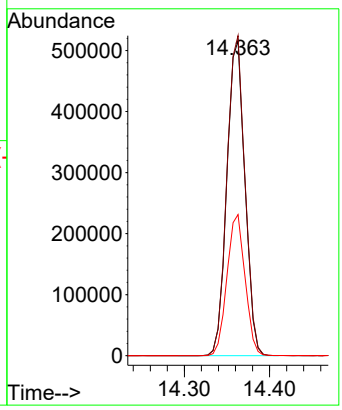


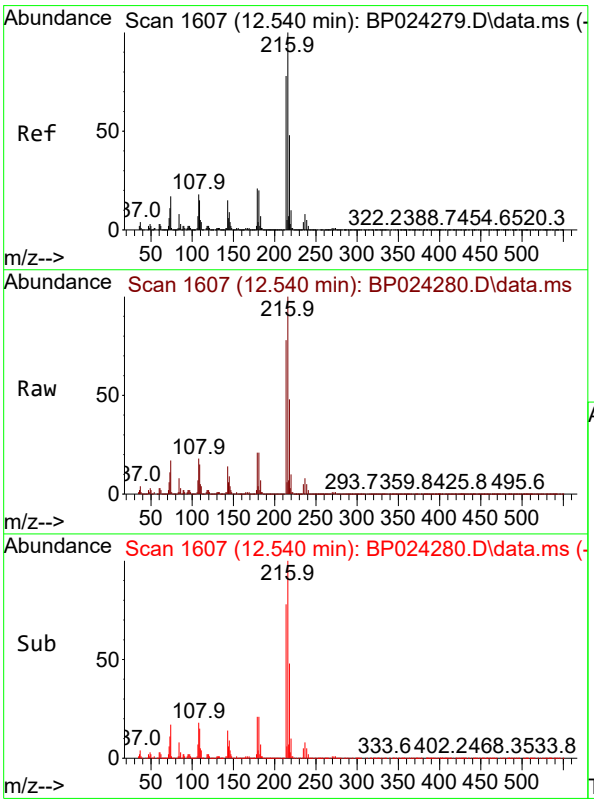
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 760235

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	44.8	35.3	52.9

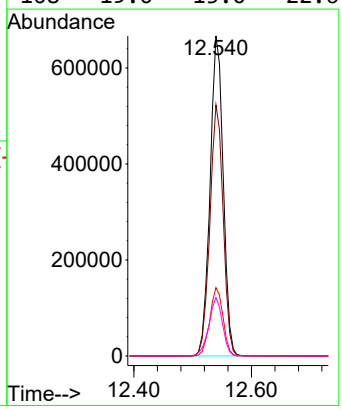


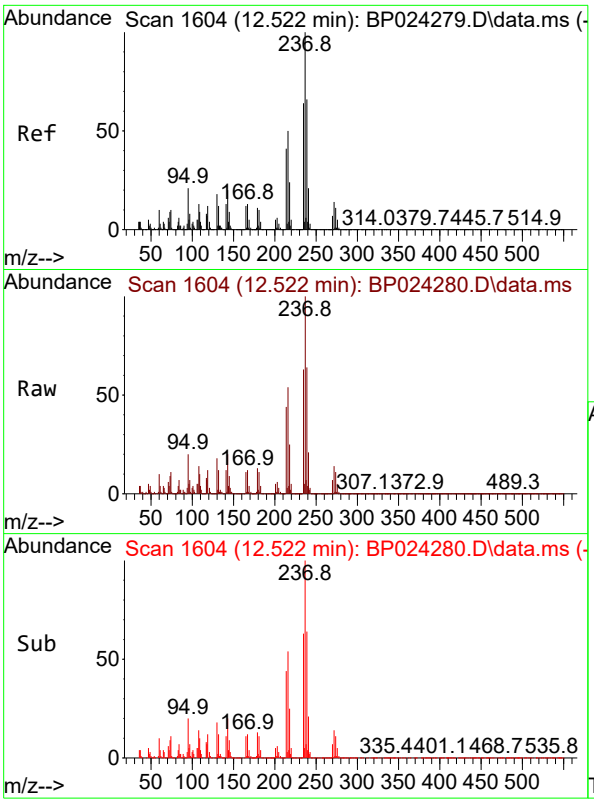


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.522 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:216 Resp: 1034638

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.6	93.8
179	21.4	17.2	25.8
108	19.0	15.0	22.6



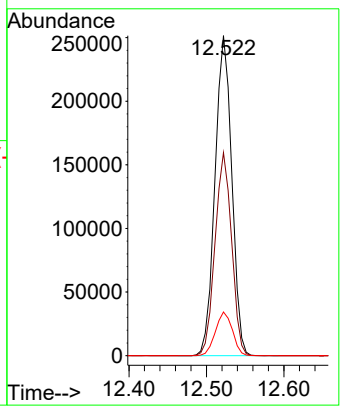


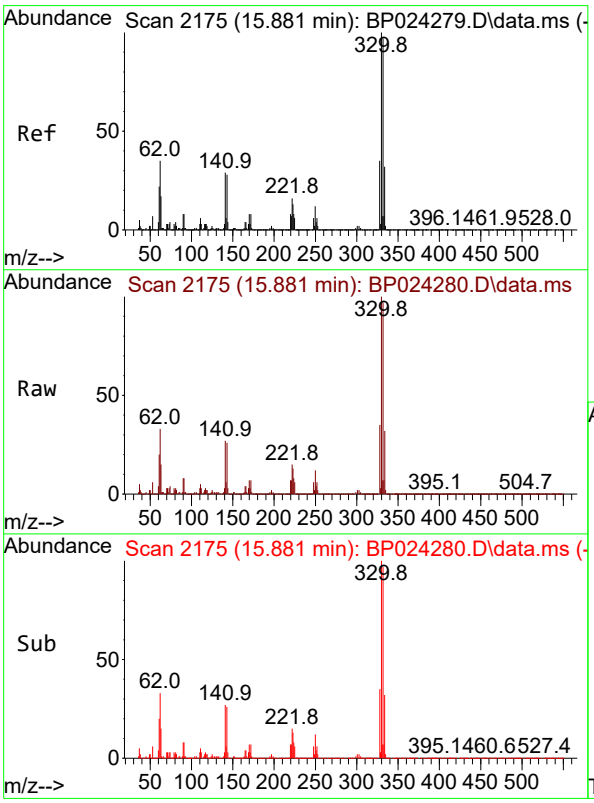
#41
Hexachlorocyclopentadiene
Concen: 51.614 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 378578

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.9	83.9
272	13.7	0.0	33.6

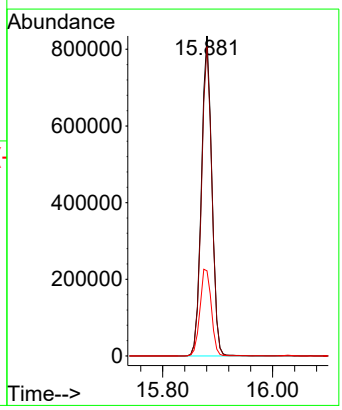


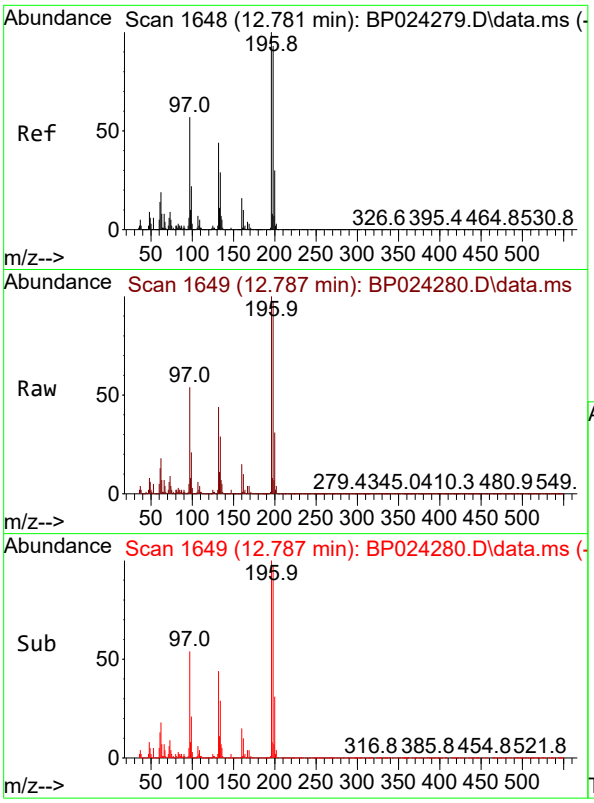


#42
2,4,6-Tribromophenol
Concen: 105.521 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:330 Resp: 1098486

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	29.5	24.7	37.1



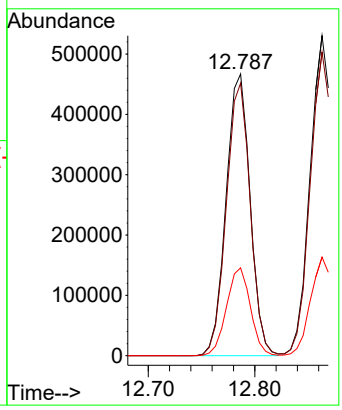


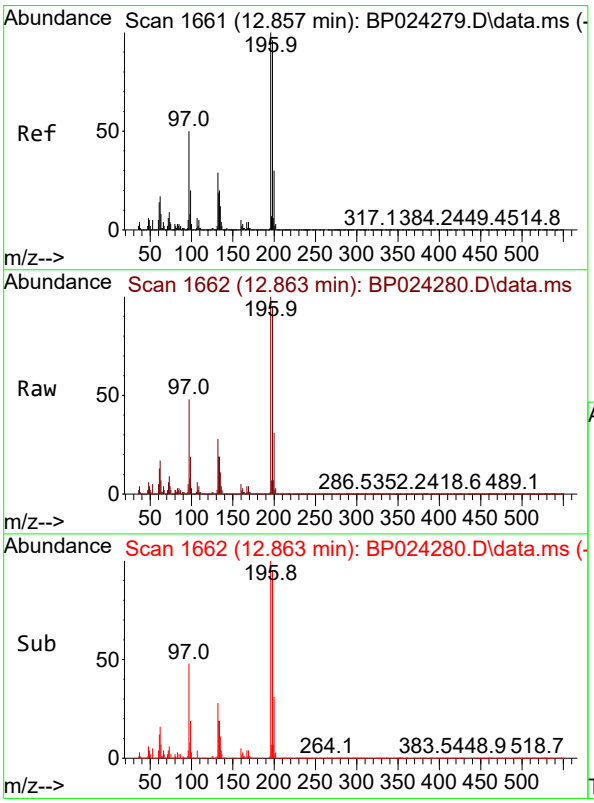
#43
2,4,6-Trichlorophenol
Concen: 53.315 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 732902

Ion	Ratio	Lower	Upper
196	100		
198	96.7	74.3	111.5
200	31.2	24.0	36.0

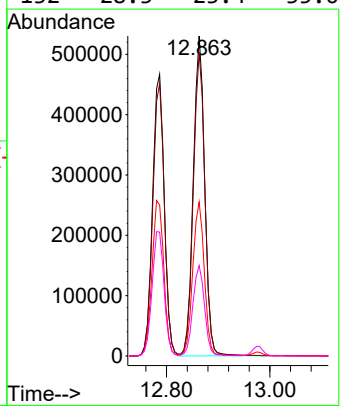


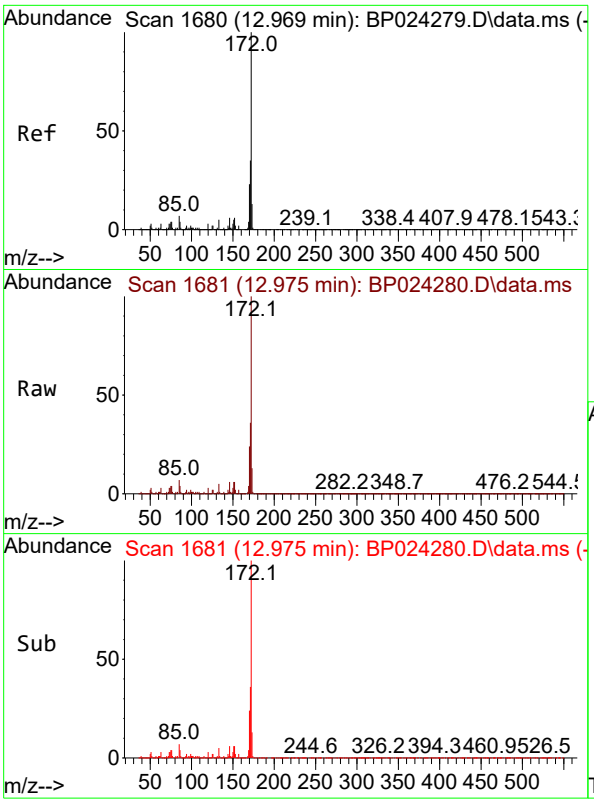


#44
2,4,5-Trichlorophenol
Concen: 53.491 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:196 Resp: 814885

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	48.1	40.4	60.6
132	28.3	23.4	35.0



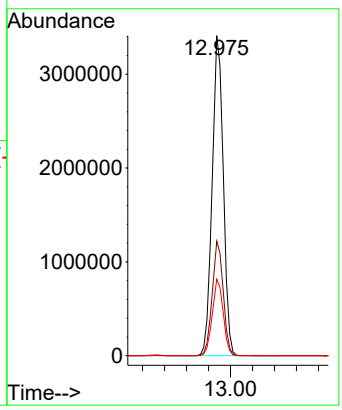


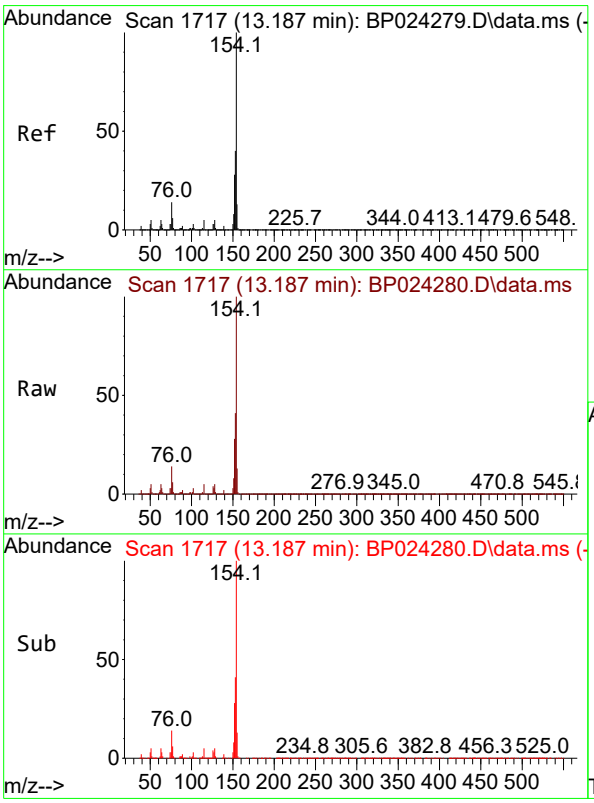
#45
2-Fluorobiphenyl
Concen: 95.877 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4800845

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.9	18.6	27.8

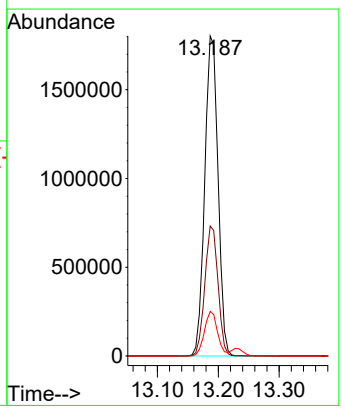


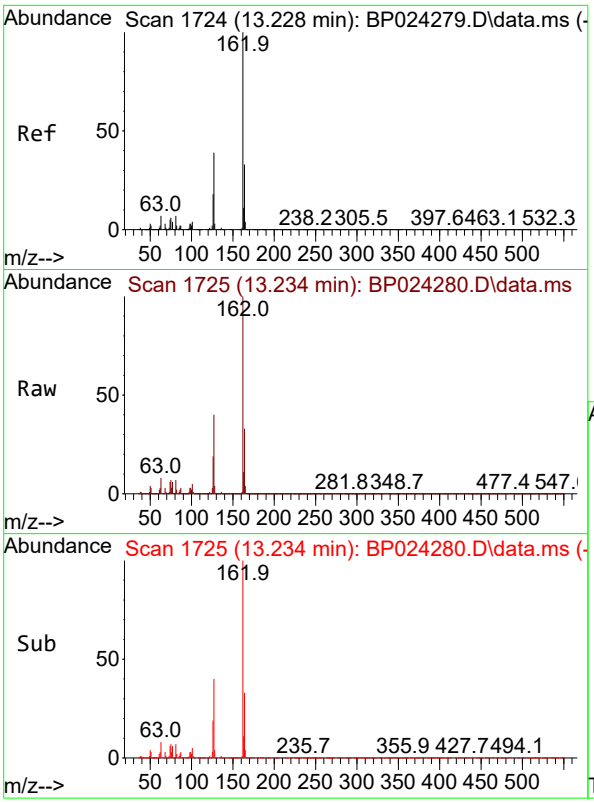


#46
1,1'-Biphenyl
Concen: 48.551 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2725840

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.9	0.0	33.5



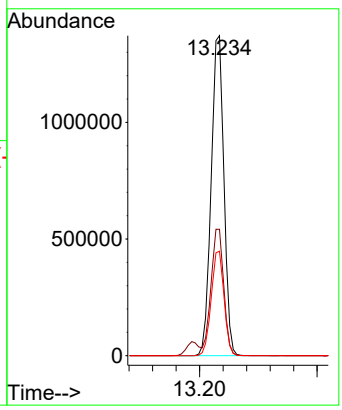


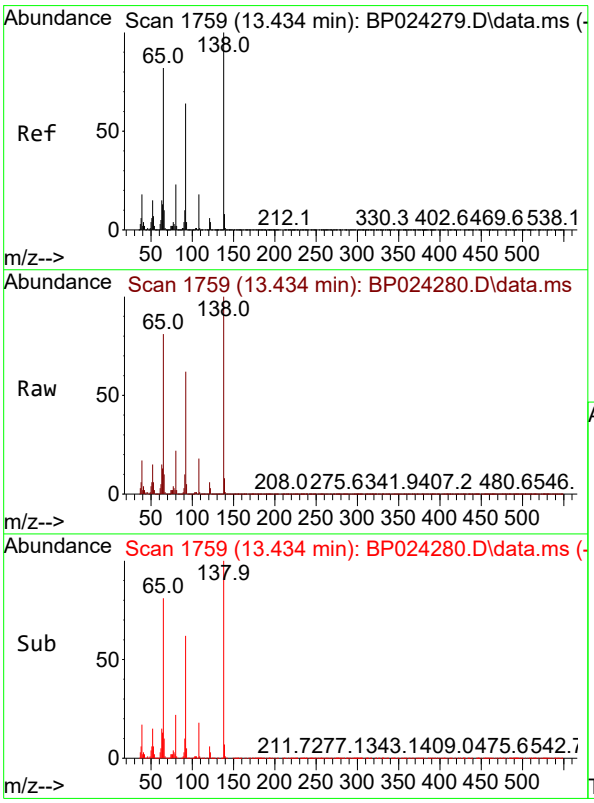
#47
2-Chloronaphthalene
Concen: 49.220 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2062098

Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.9	47.9
164	32.7	26.2	39.4

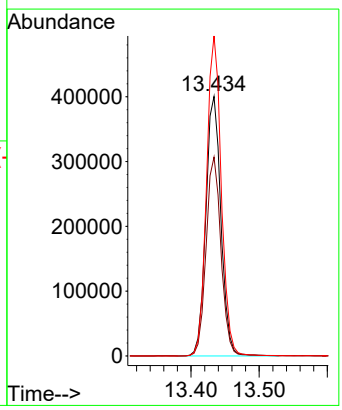


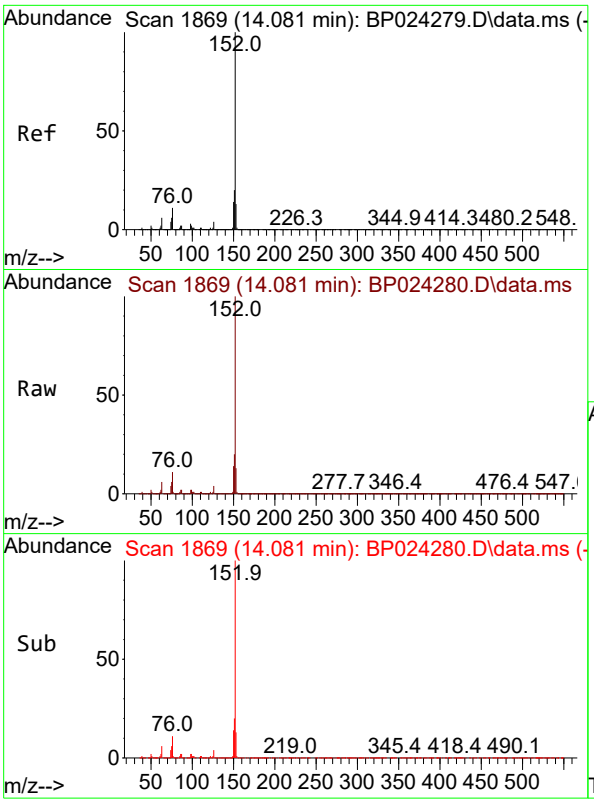


#48
2-Nitroaniline
Concen: 53.282 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 65 Resp: 616599

Ion	Ratio	Lower	Upper
65	100		
92	76.6	62.3	93.5
138	123.3	97.2	145.8



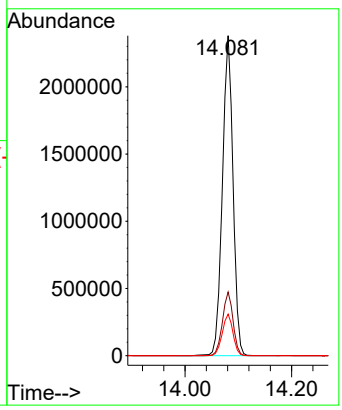


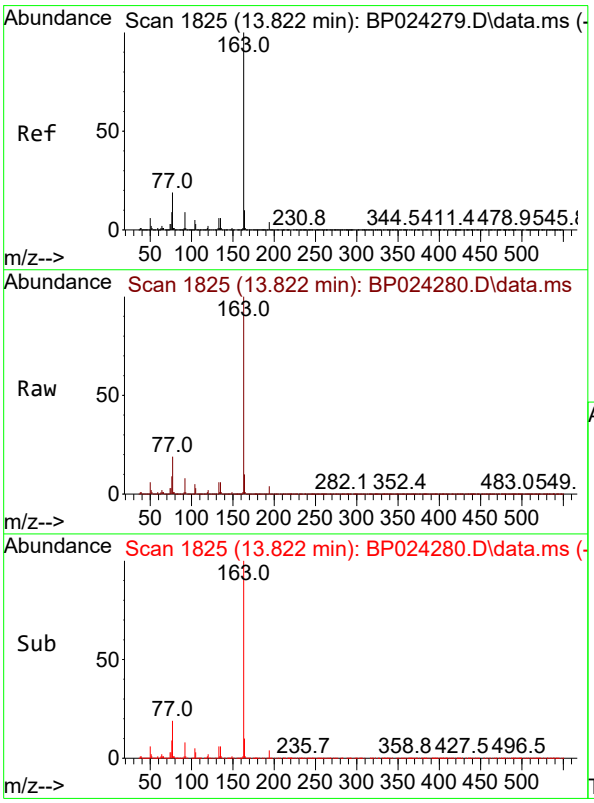
#49
Acenaphthylene
Concen: 49.877 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3279666

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	15.8

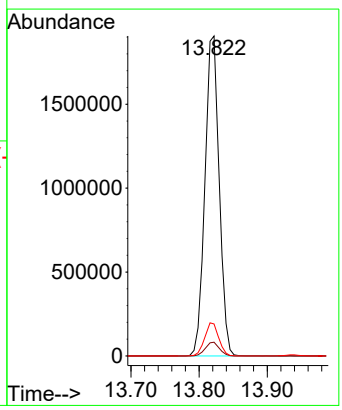


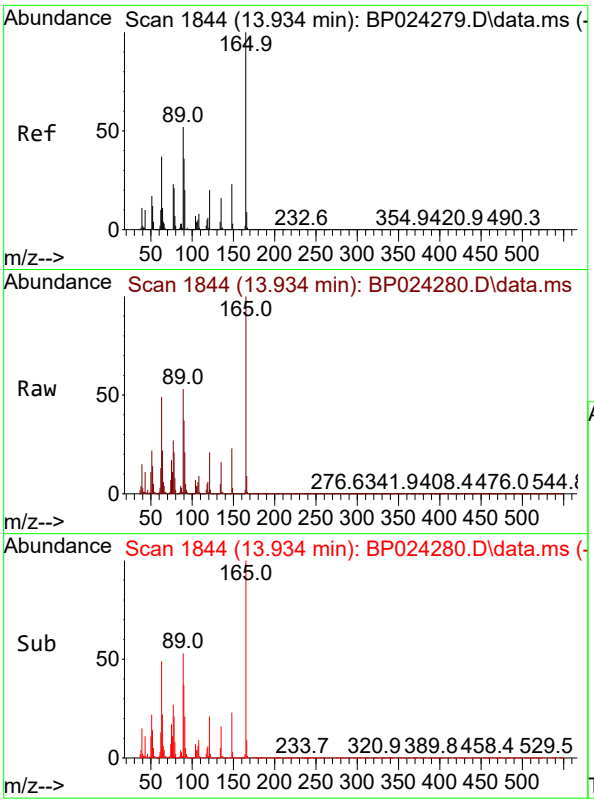


#50
Dimethylphthalate
Concen: 50.046 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:163 Resp: 2775759

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0



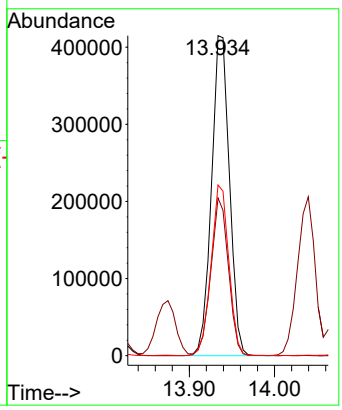


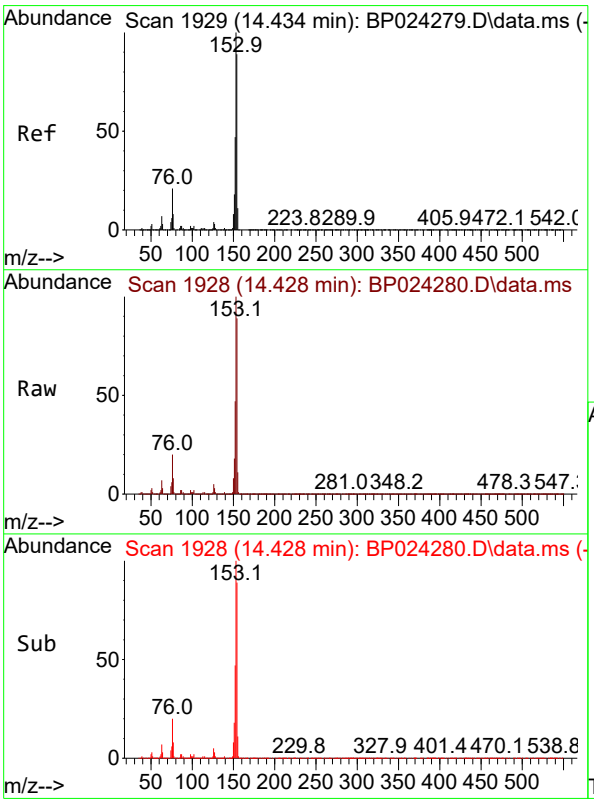
#51
2,6-Dinitrotoluene
Concen: 51.903 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 606525

Ion	Ratio	Lower	Upper
165	100		
63	49.3	38.0	57.0
89	53.4	41.7	62.5

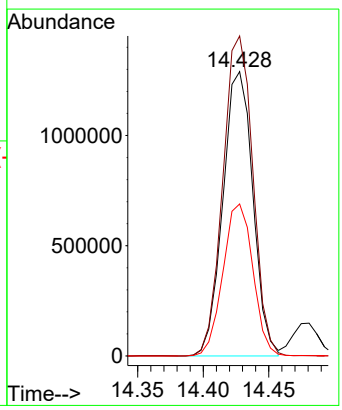


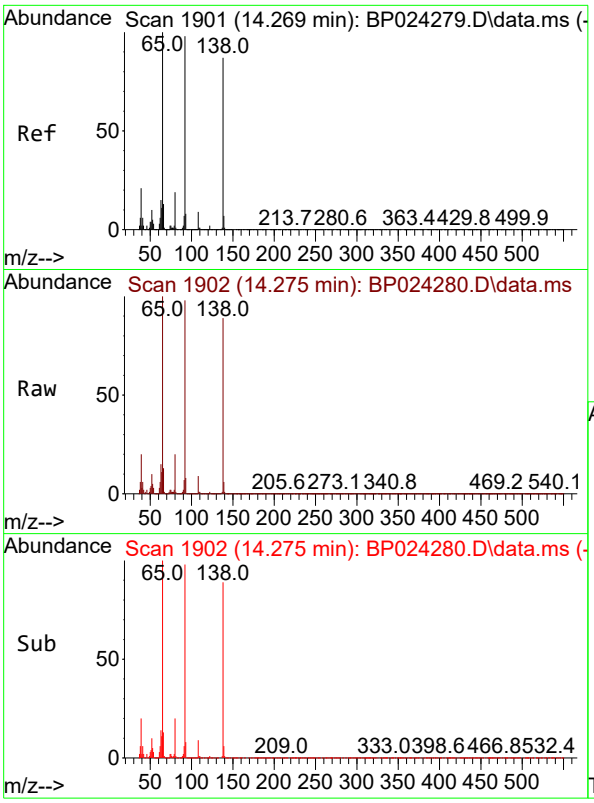


#52
Acenaphthene
Concen: 49.128 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2054333

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.8	134.6
152	53.4	42.6	63.8



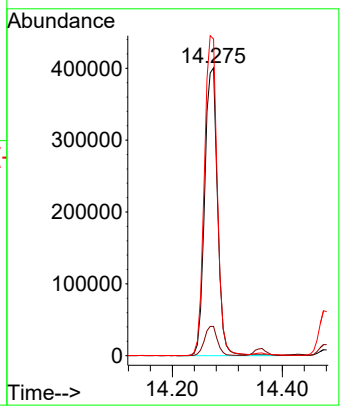


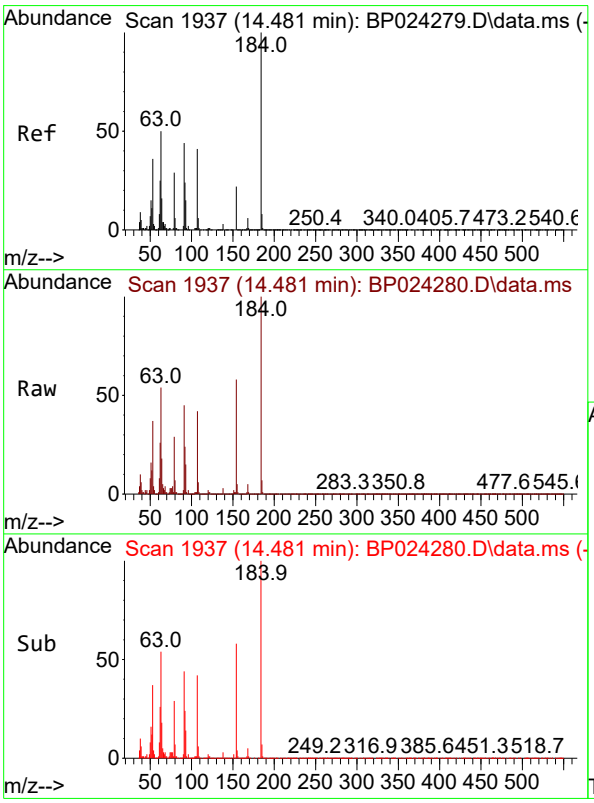
#53
3-Nitroaniline
Concen: 53.536 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 649071

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.3	12.5
92	110.0	89.8	134.8

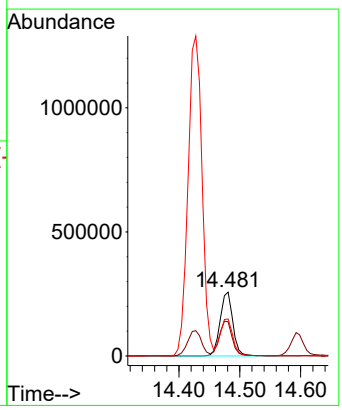


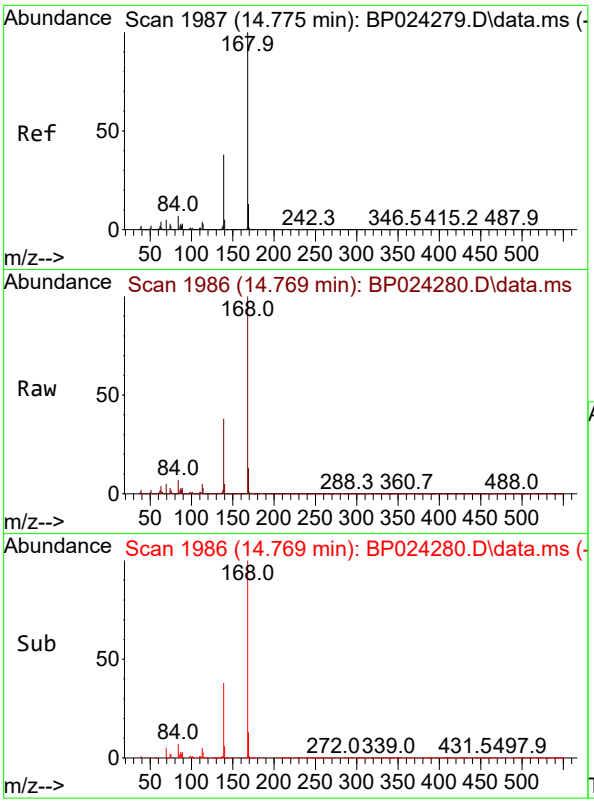


#54
2,4-Dinitrophenol
Concen: 59.640 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:184 Resp: 373165

Ion	Ratio	Lower	Upper
184	100		
63	53.7	42.6	64.0
154	57.8	47.2	70.8



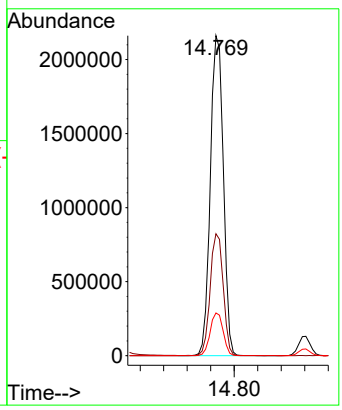


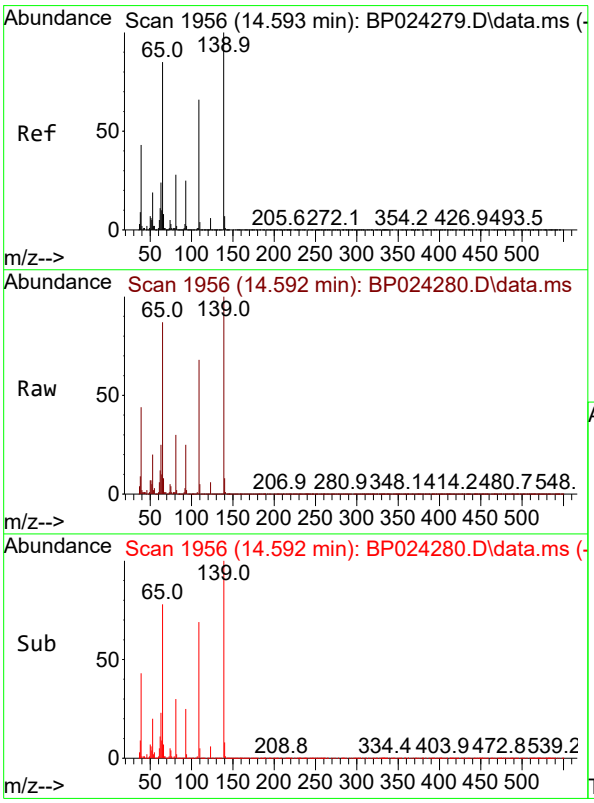
#55
Dibenzofuran
Concen: 48.392 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3318798

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.3	45.5
169	13.4	10.6	16.0

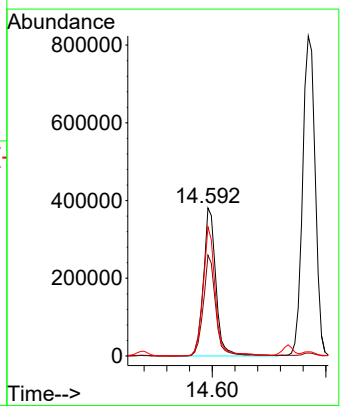


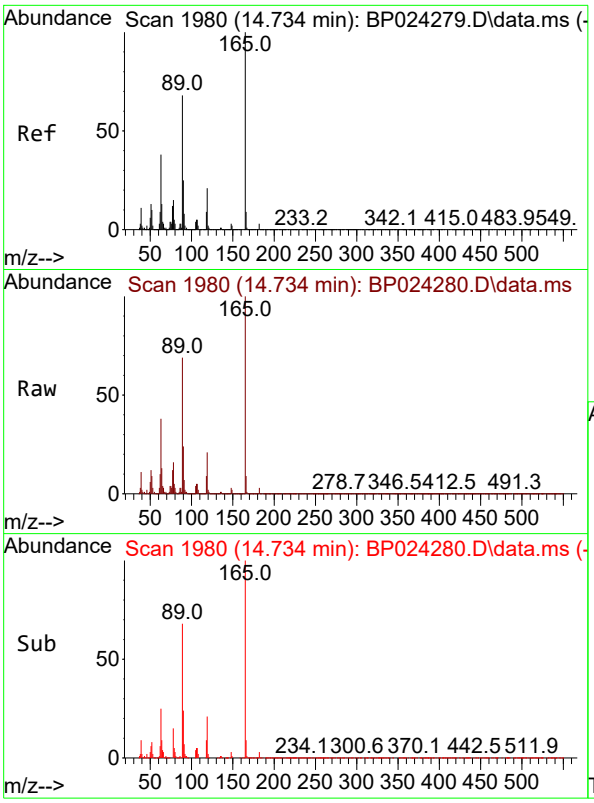


#56
4-Nitrophenol
Concen: 55.750 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 581023

Ion	Ratio	Lower	Upper
139	100		
109	68.1	46.1	86.1
65	87.3	65.0	105.0



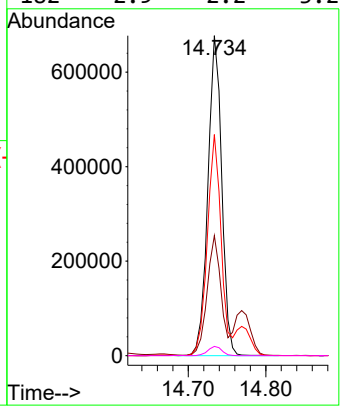


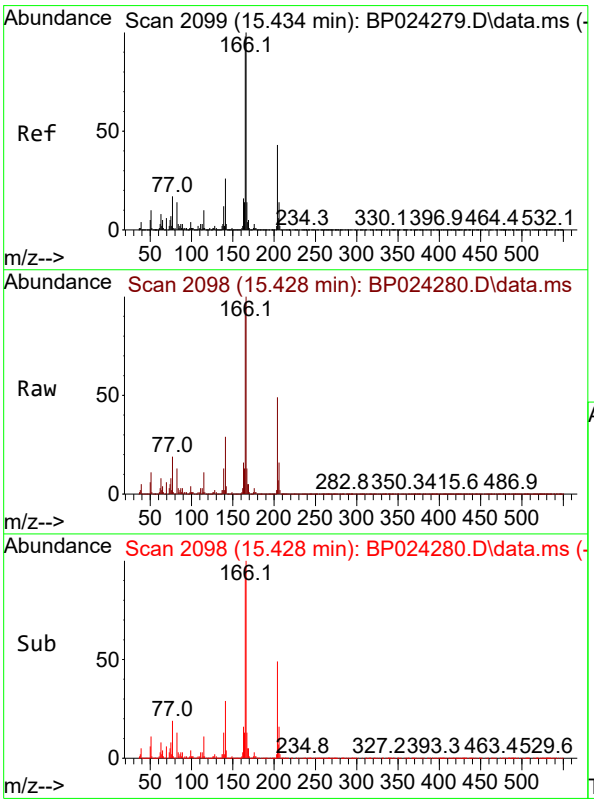
#57
2,4-Dinitrotoluene
Concen: 53.160 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 839701

Ion	Ratio	Lower	Upper
165	100		
63	37.5	30.4	45.6
89	69.1	54.6	82.0
182	2.9	2.2	3.2

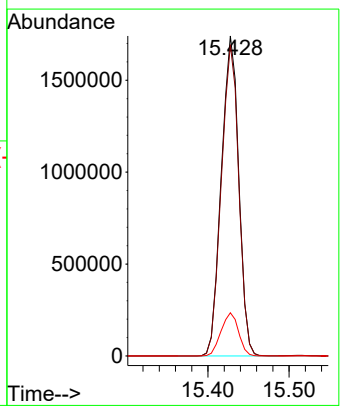


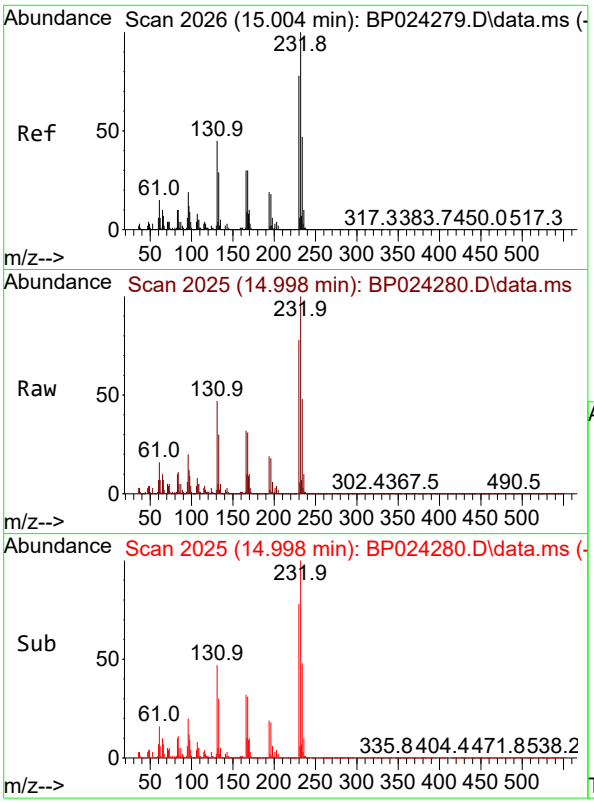


#58
Fluorene
Concen: 49.085 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:166 Resp: 2599105

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.5	10.9	16.3



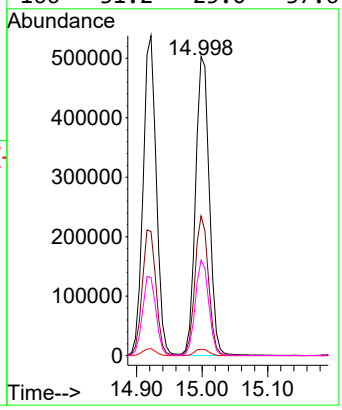


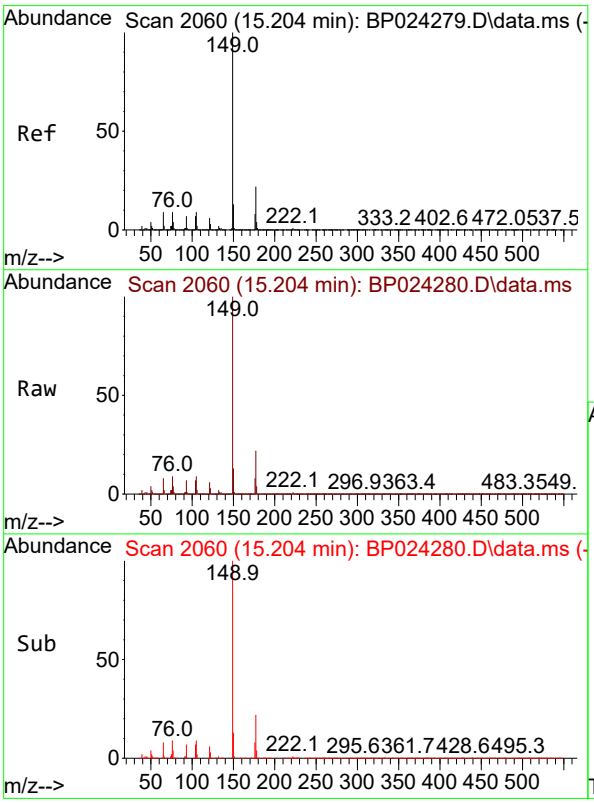
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.128 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 734741

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.3	1.9	2.9
166	31.2	25.0	37.6

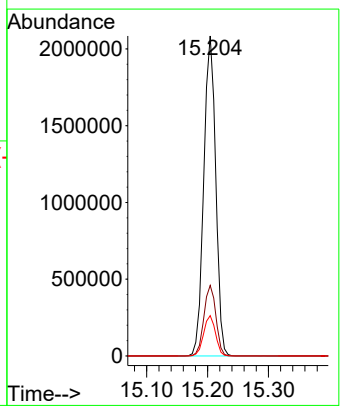


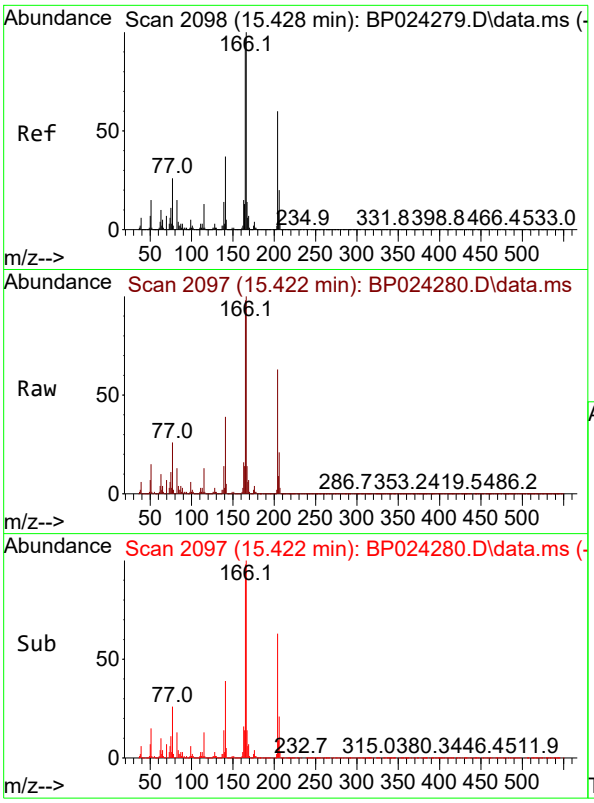


#60
Diethylphthalate
Concen: 49.914 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2849294

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.6	10.1	15.1



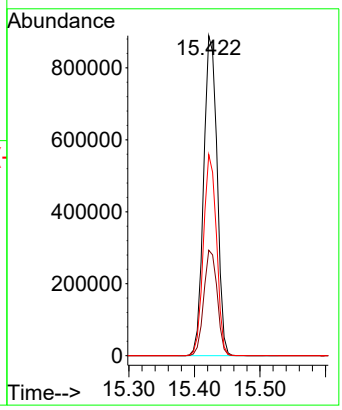


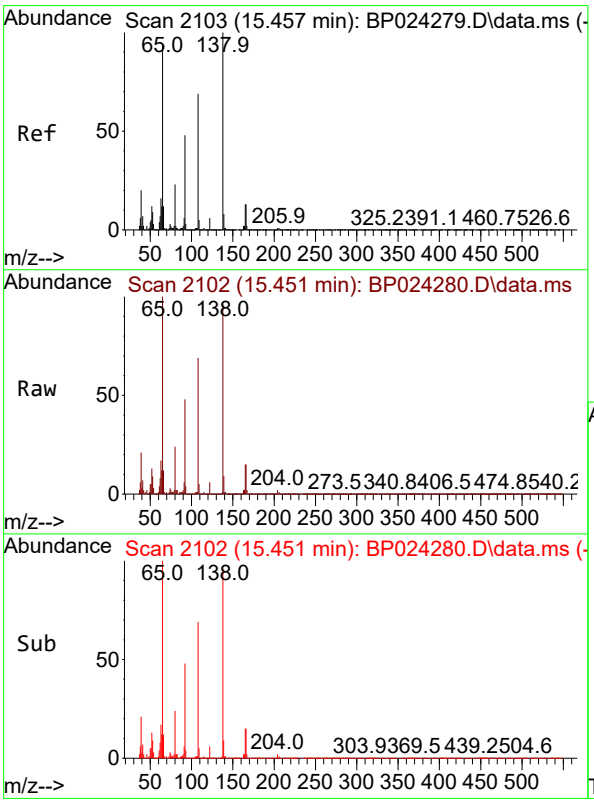
#61
4-Chlorophenyl-phenylether
Concen: 49.287 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1267291

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	62.8	49.4	74.0

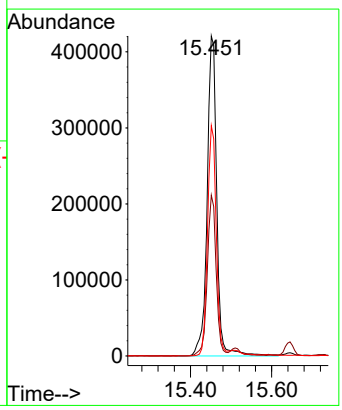


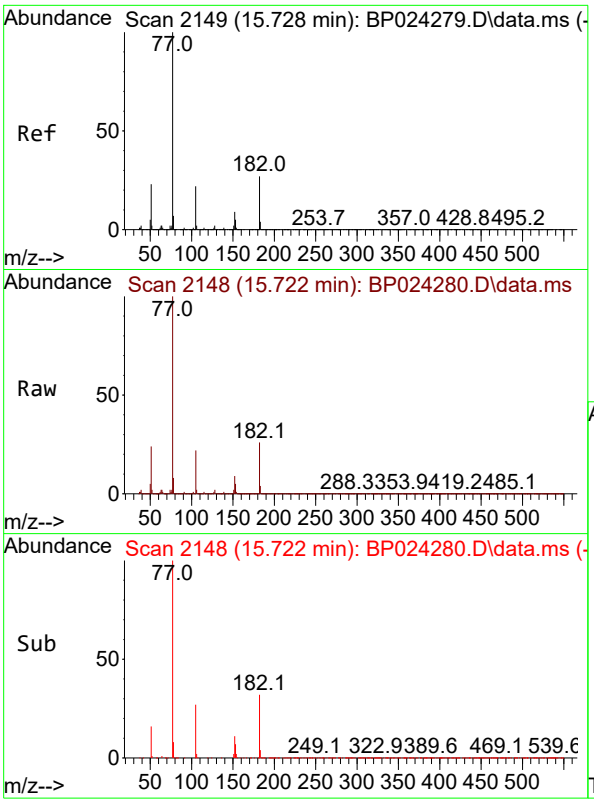


#62
4-Nitroaniline
Concen: 53.764 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:138 Resp: 691081

Ion	Ratio	Lower	Upper
138	100		
92	50.2	27.8	67.8
108	72.0	48.9	88.9



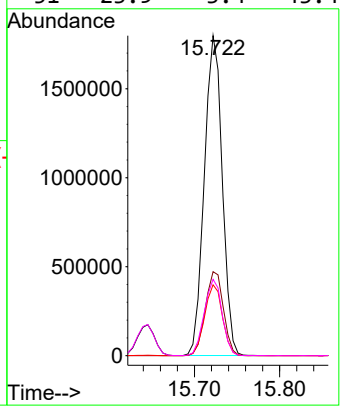


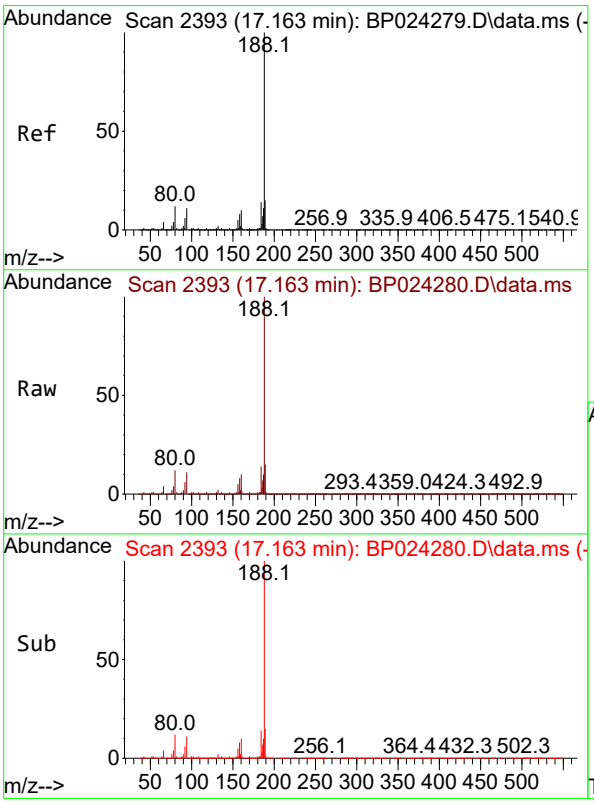
#63
Azobenzene
Concen: 50.076 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2632843

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	22.1	2.3	42.3
51	23.9	3.4	43.4

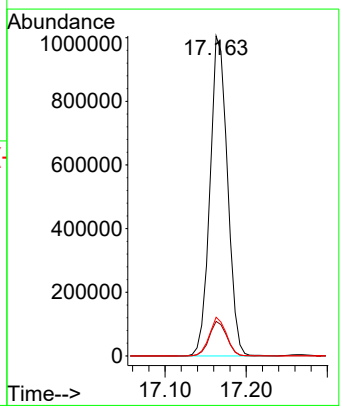


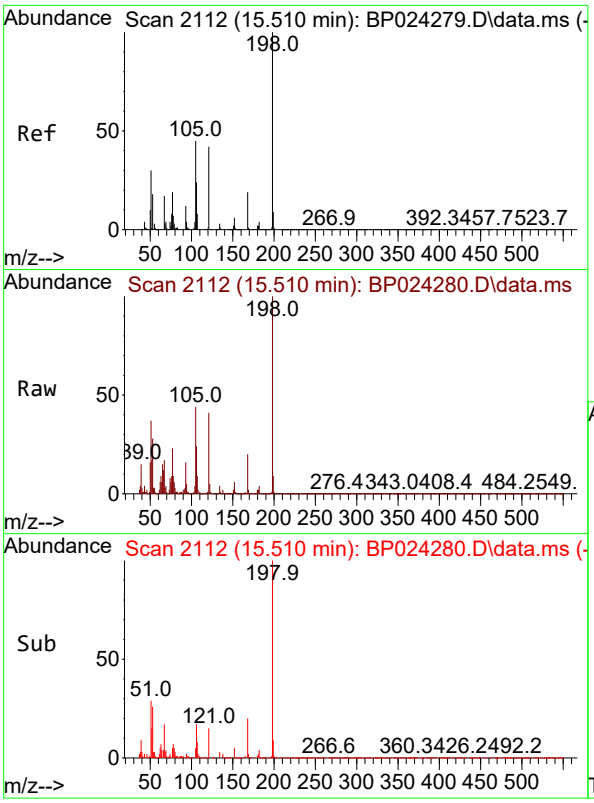


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:188 Resp: 1505097

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.1	9.8	14.6



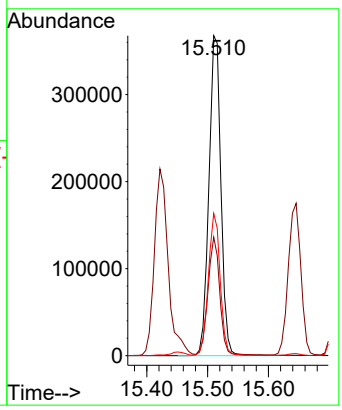


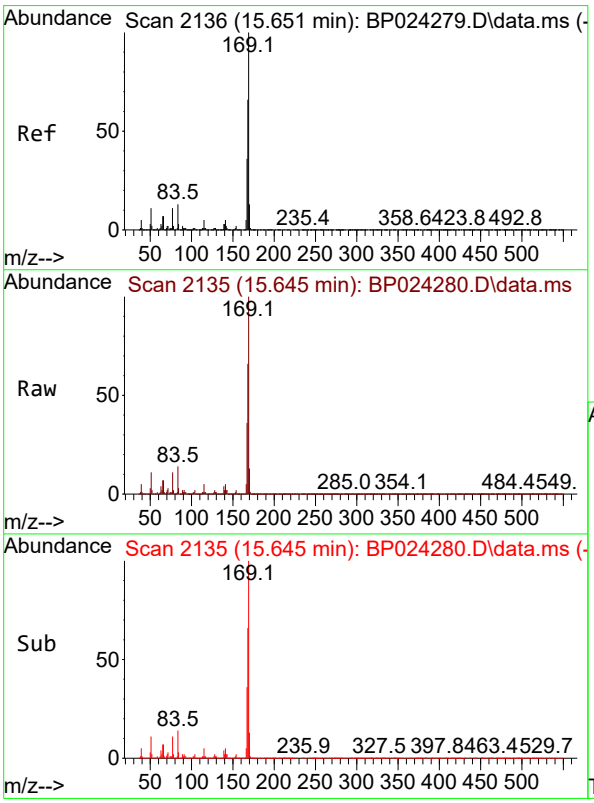
#65
4,6-Dinitro-2-methylphenol
Concen: 57.285 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 503765

Ion	Ratio	Lower	Upper
198	100		
51	37.1	18.4	58.4
105	44.5	26.5	66.5

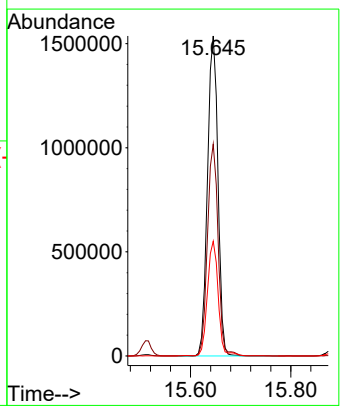


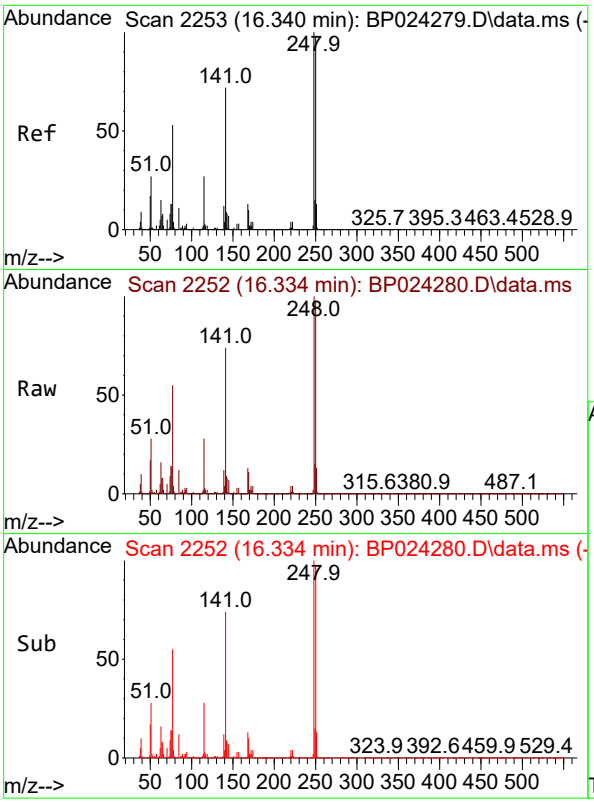


#66
n-Nitrosodiphenylamine
Concen: 49.312 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:169 Resp: 2225475

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	35.9	28.9	43.3



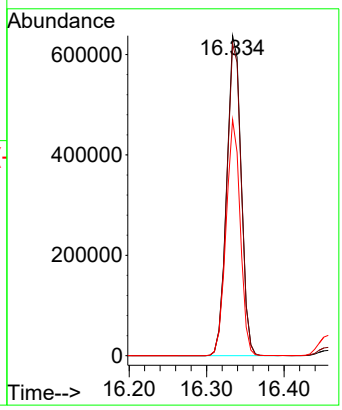


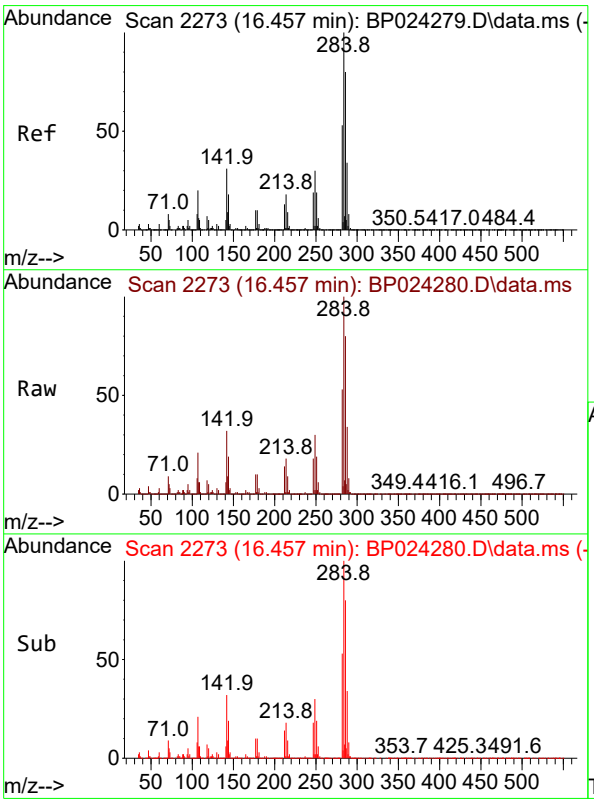
#67
4-Bromophenyl-phenylether
Concen: 50.389 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 827245

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.2	117.4
141	73.8	57.7	86.5

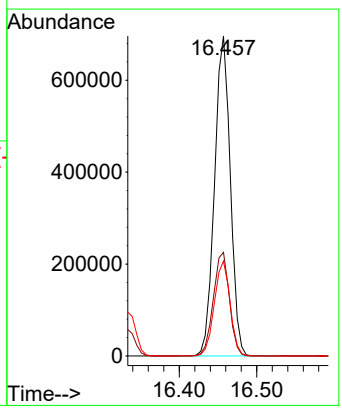


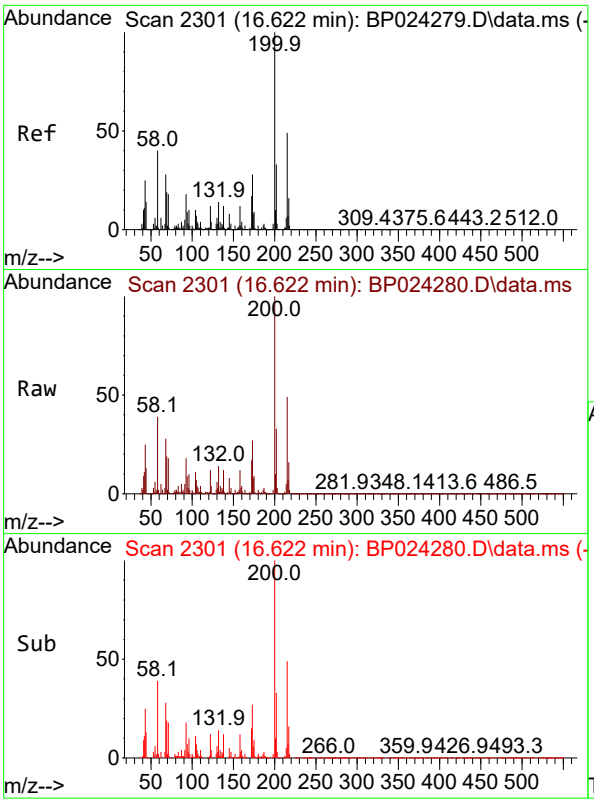


#68
Hexachlorobenzene
Concen: 50.405 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:284 Resp: 983768

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.7	23.8	35.6



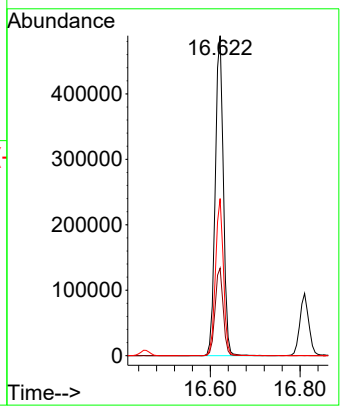


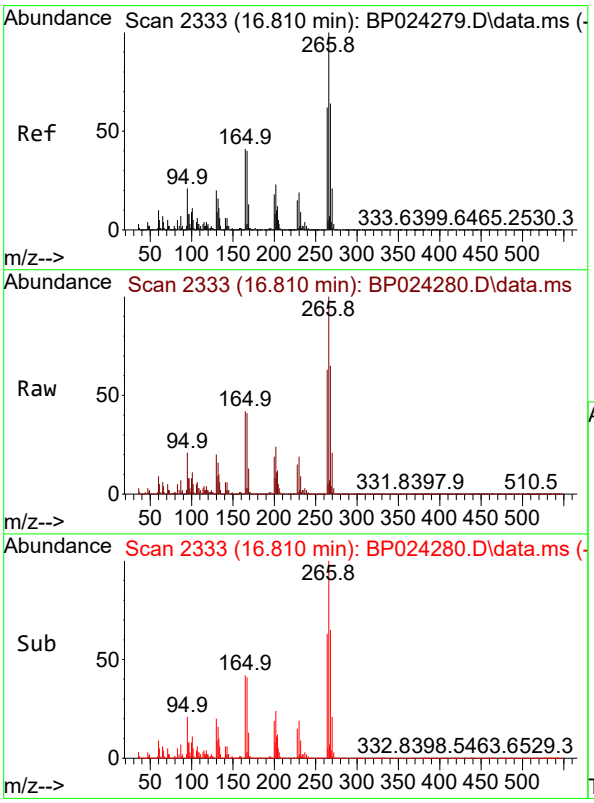
#69
Atrazine
Concen: 53.356 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 610479

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.5	47.5
215	49.1	28.8	68.8

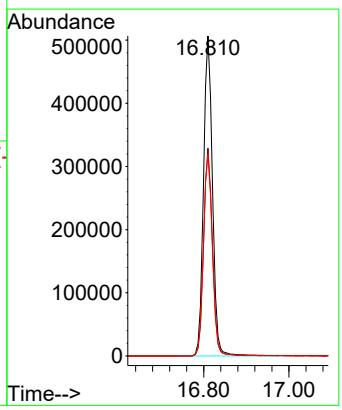


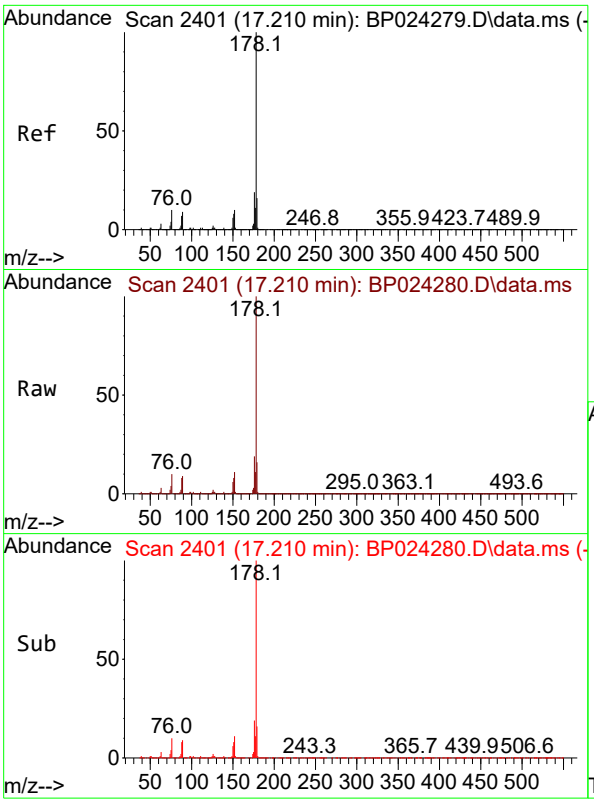


#70
Pentachlorophenol
Concen: 55.203 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:266 Resp: 739779

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.0	76.6
264	62.9	49.8	74.6



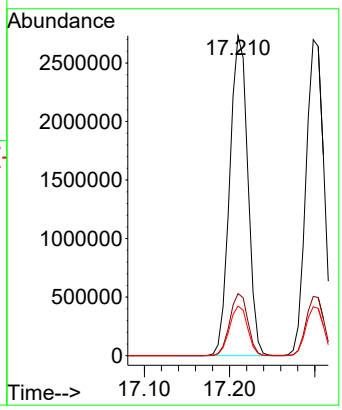


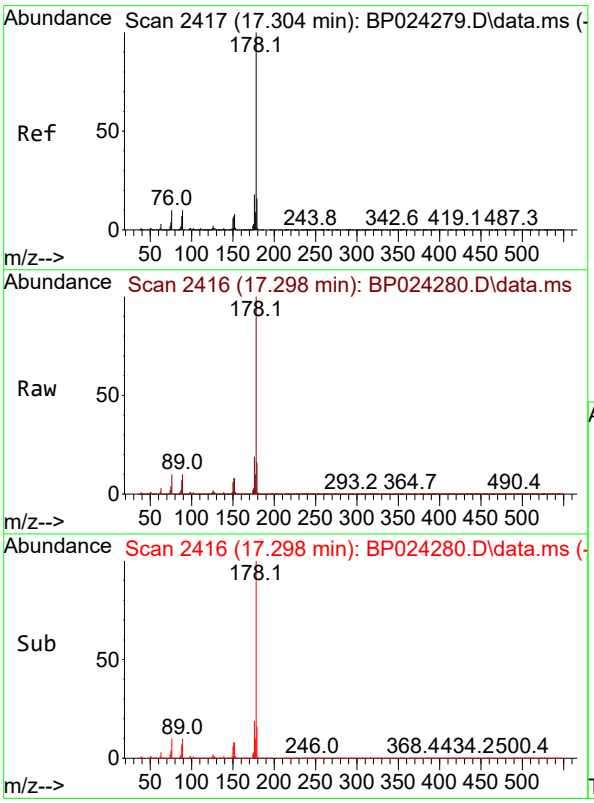
#71
Phenanthrene
Concen: 48.768 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4024282

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7

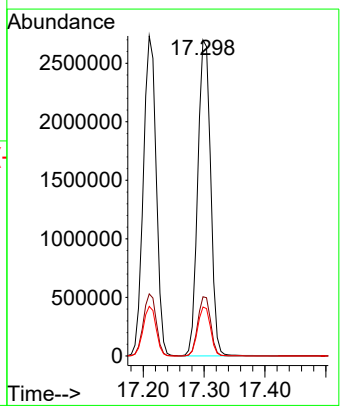


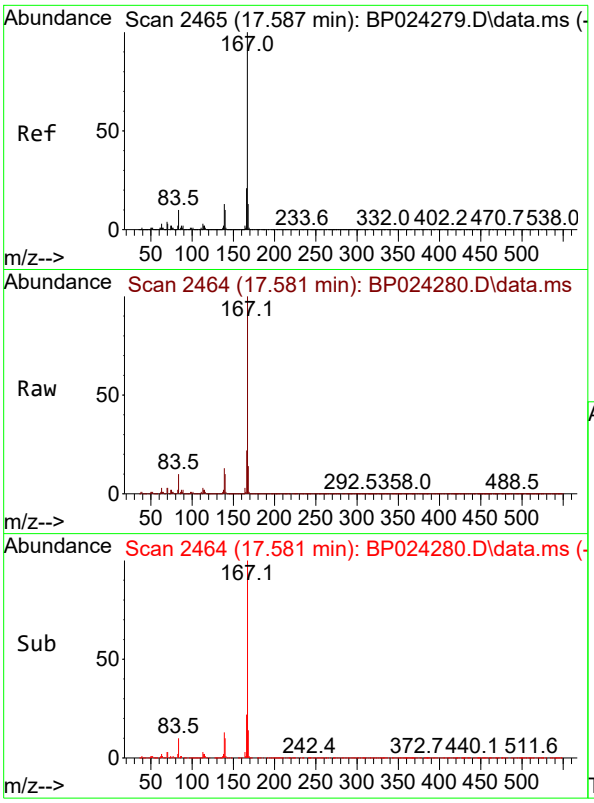


#72
Anthracene
Concen: 49.883 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:178 Resp: 3960913

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.5	12.4	18.6



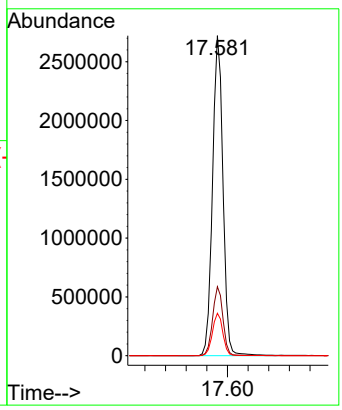


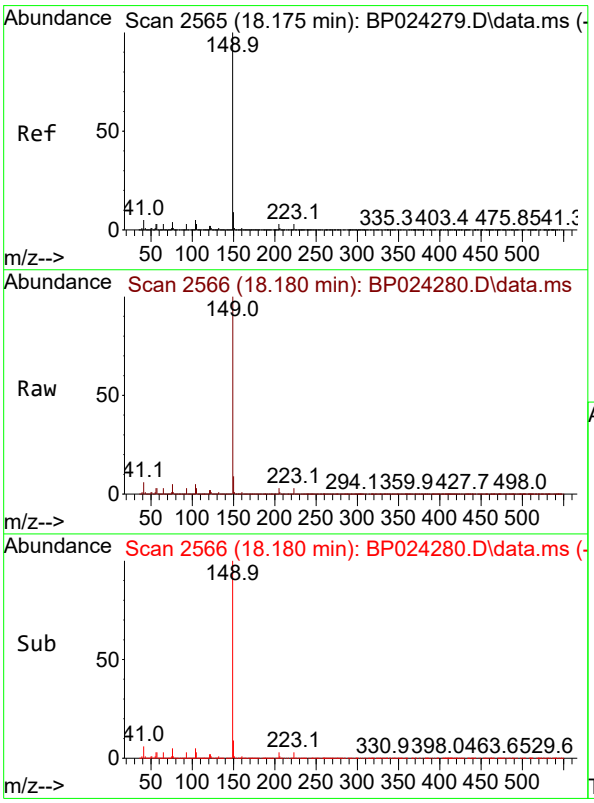
#73
Carbazole
Concen: 49.364 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3814743

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.3	10.6	16.0

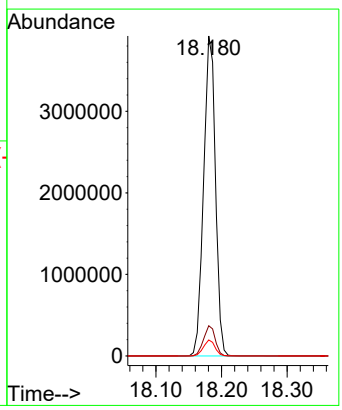


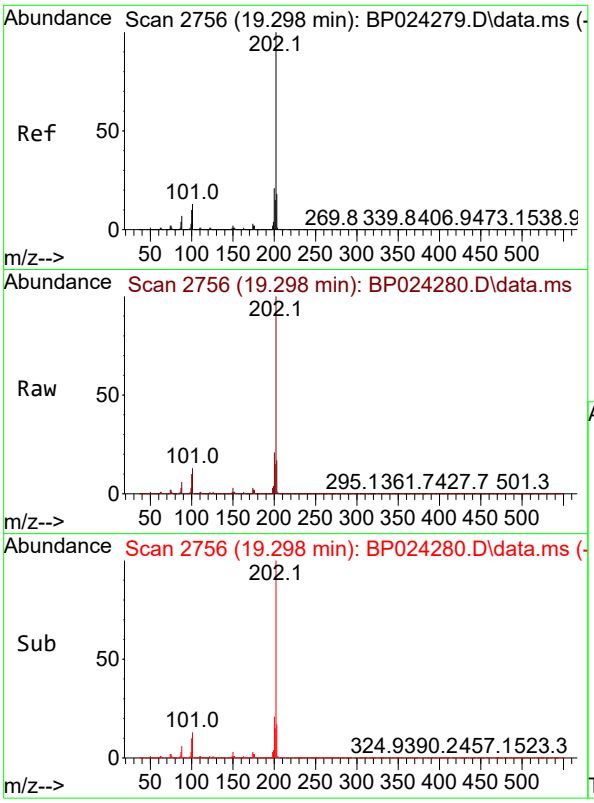


#74
Di-n-butylphthalate
Concen: 51.208 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 4930617

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.0	3.9	5.9



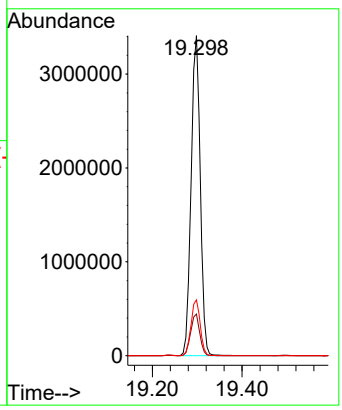


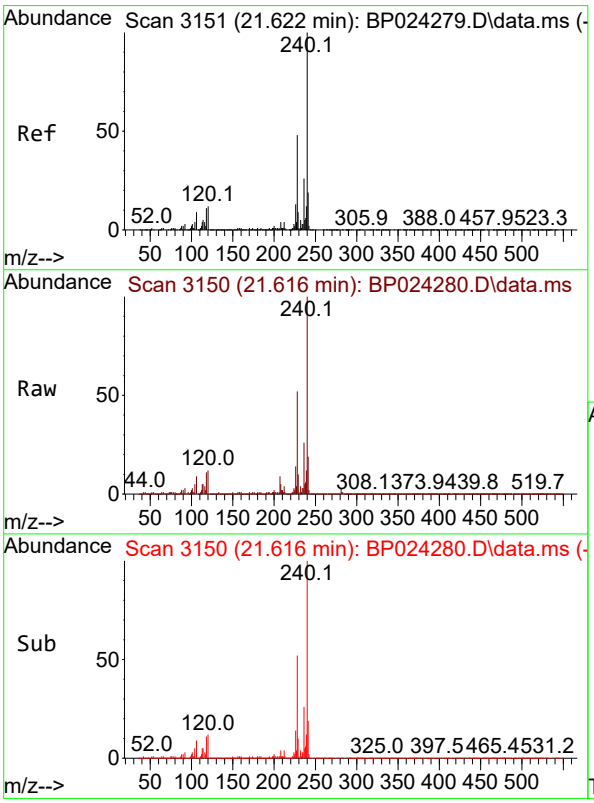
#75
Fluoranthene
Concen: 49.160 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4815021

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.4	0.0	37.7

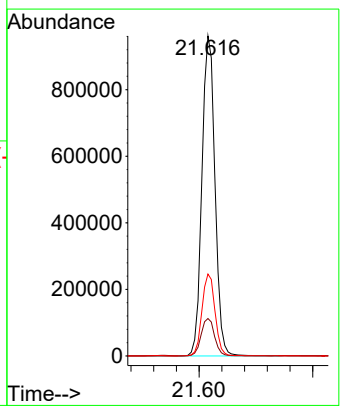


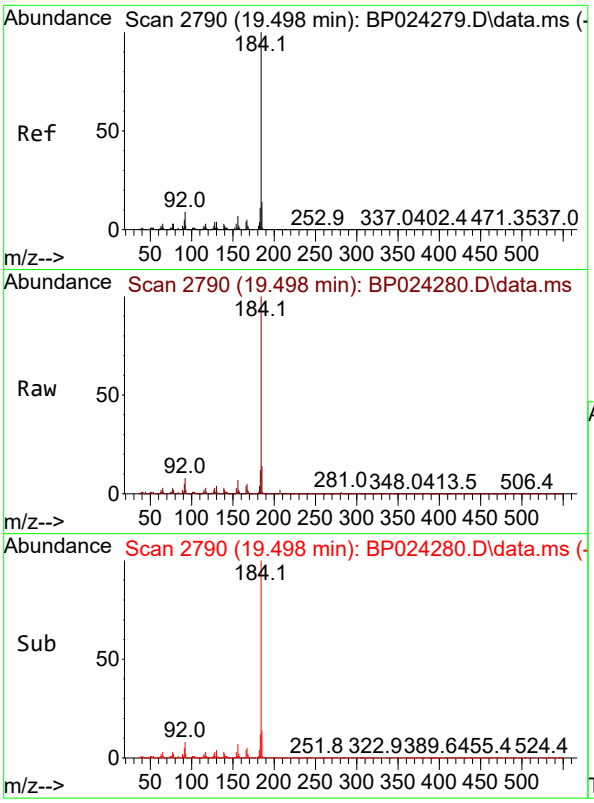


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:240 Resp: 1527193

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	25.6	20.9	31.3



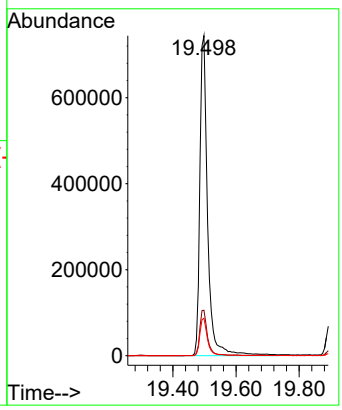


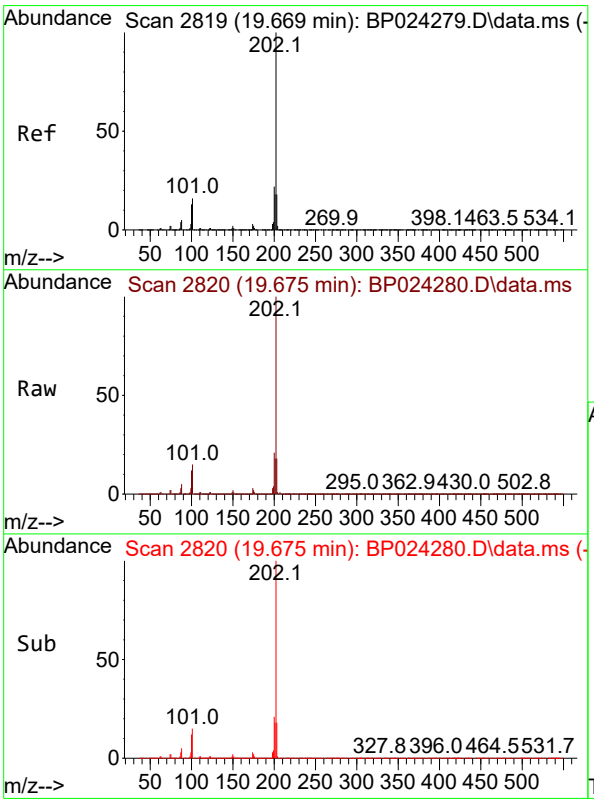
#77
Benzidine
Concen: 67.525 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1272924

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.7	9.2	13.8

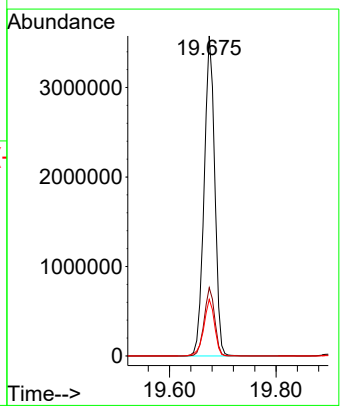


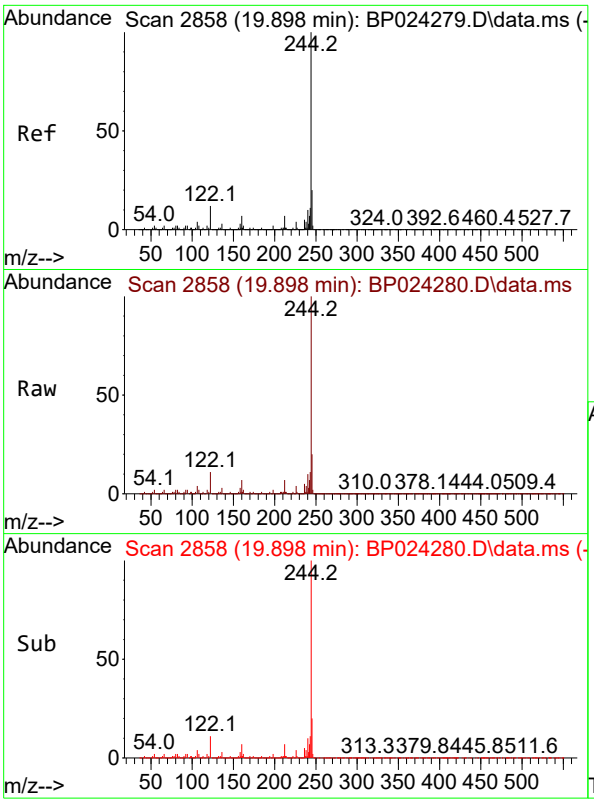


#78
Pyrene
Concen: 50.577 ng
RT: 19.675 min Scan# 2820
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:202 Resp: 4942328

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.7	14.4	21.6



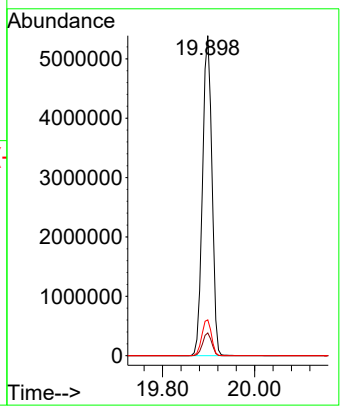


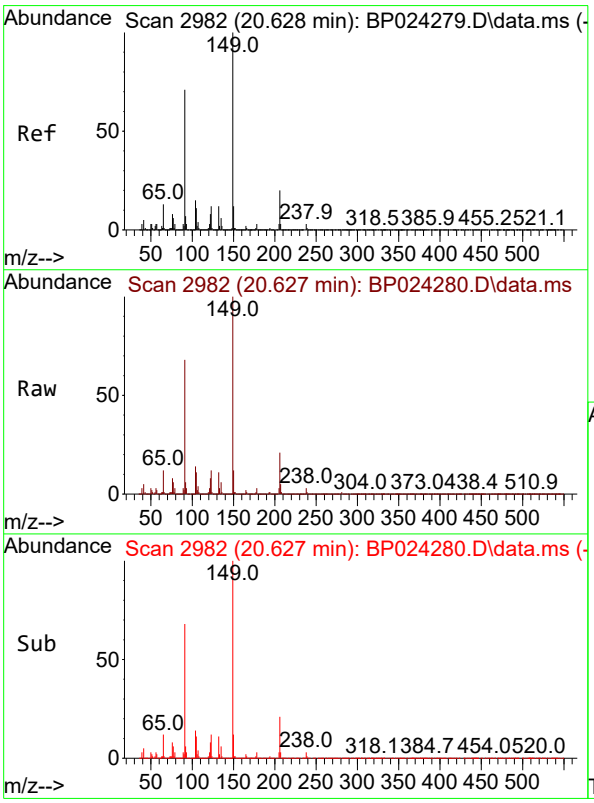
#79
Terphenyl-d14
Concen: 100.142 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7671902

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.2	9.4	14.0

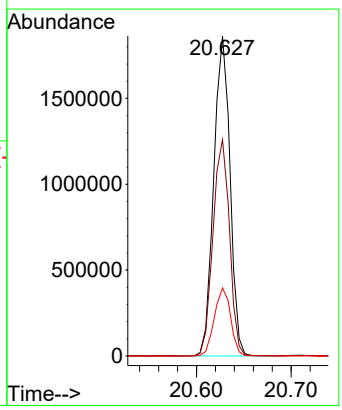


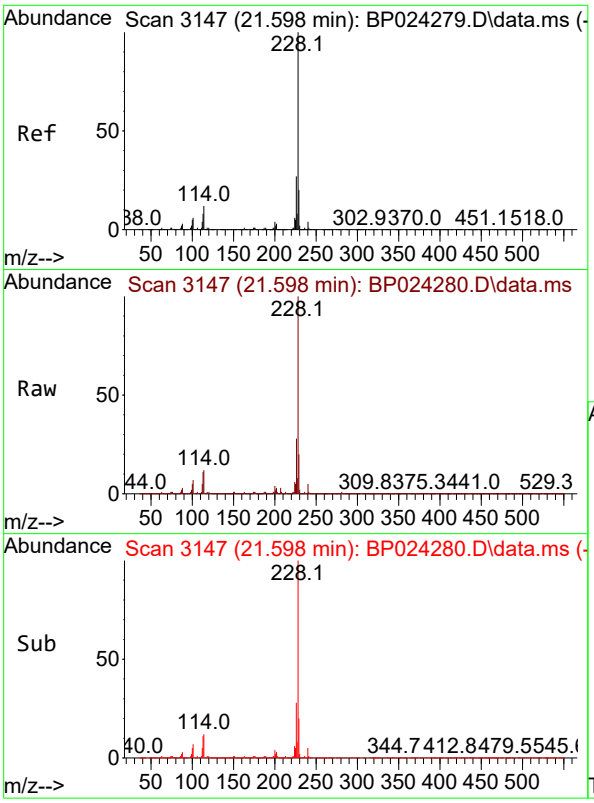


#80
Butylbenzylphthalate
Concen: 53.788 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2215843

Ion	Ratio	Lower	Upper
149	100		
91	67.6	56.4	84.6
206	21.3	16.3	24.5



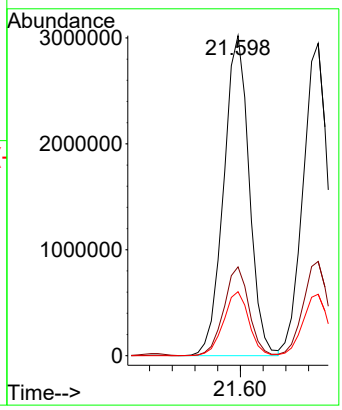


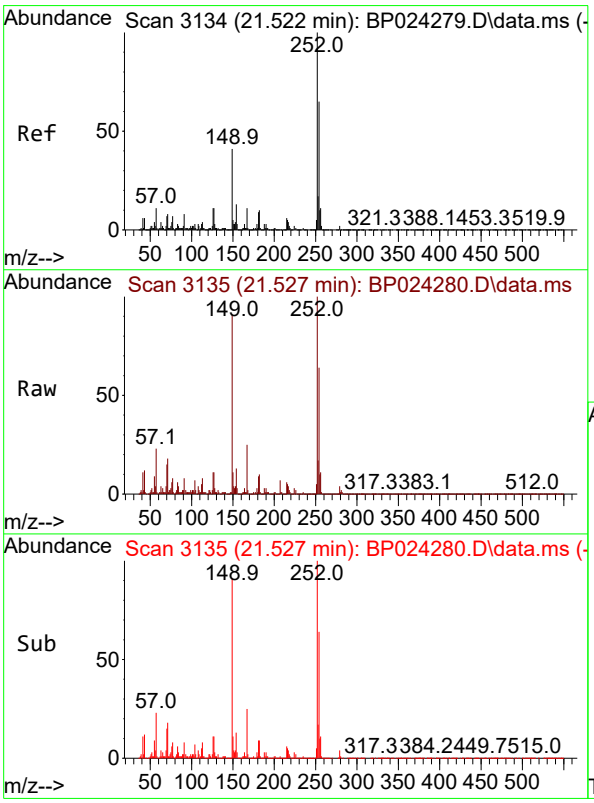
#81
Benzo(a)anthracene
Concen: 49.485 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4711301

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.0	15.9	23.9

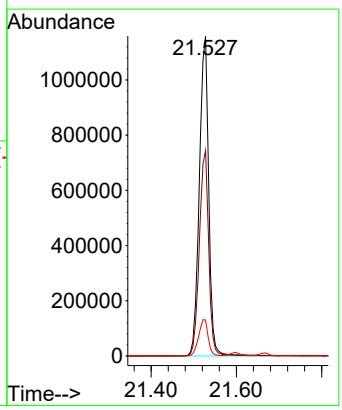


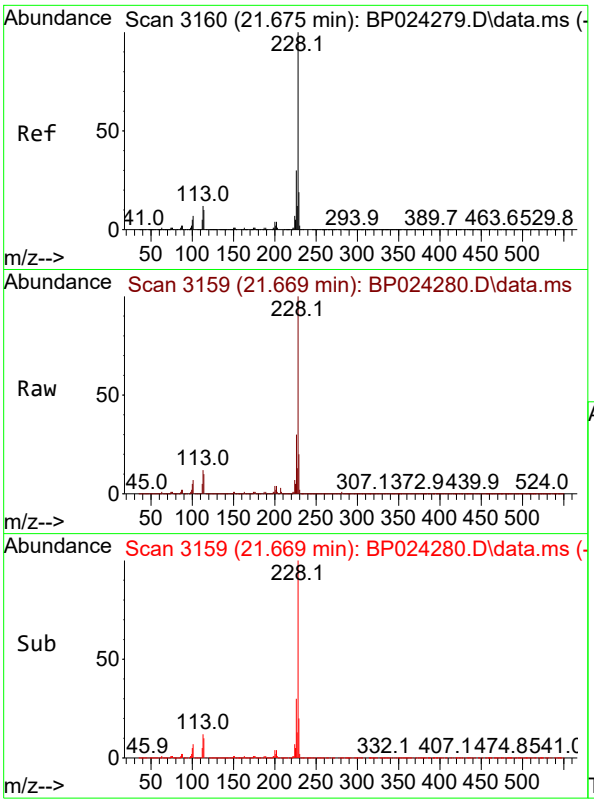


#82
3,3'-Dichlorobenzidine
Concen: 53.582 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 1768950

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.3	8.8	13.2



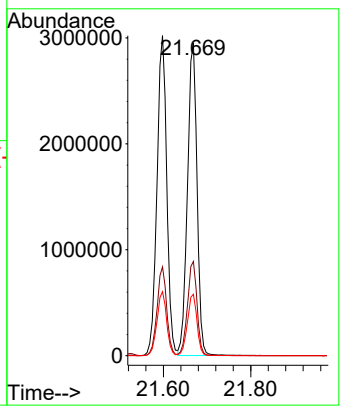


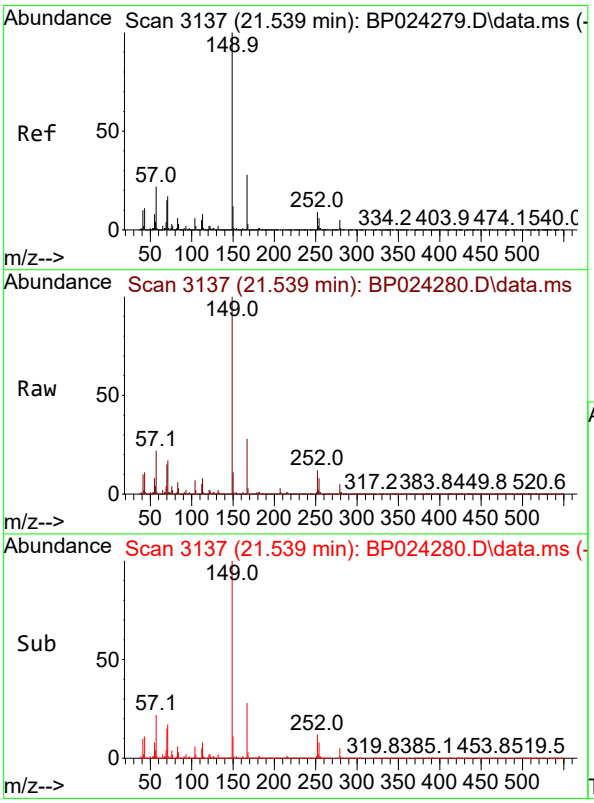
#83
Chrysene
Concen: 49.099 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4480150

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.6	23.4

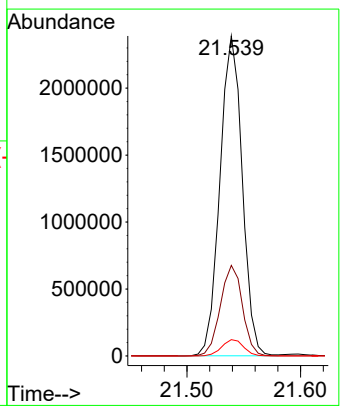


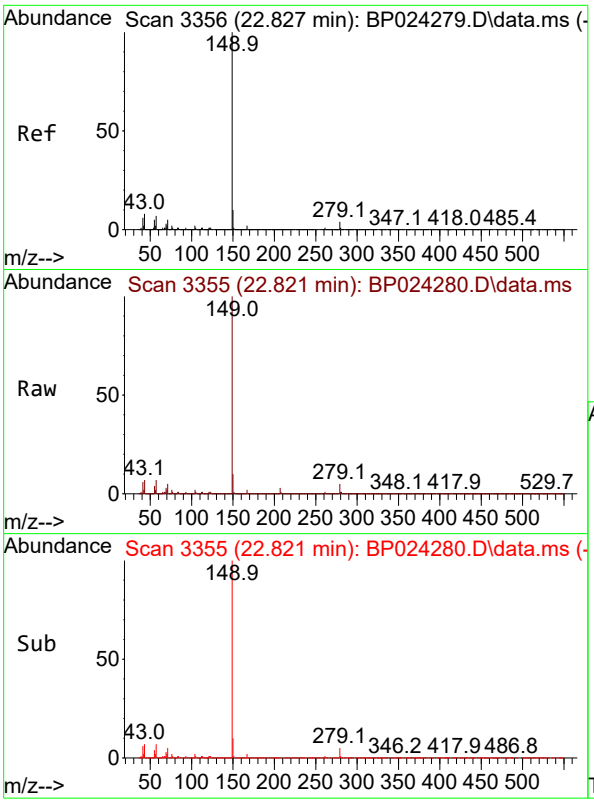


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.679 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 3256722

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.1	4.0	6.0



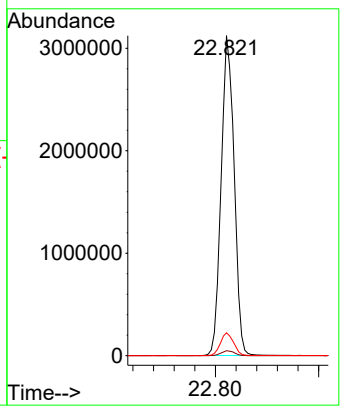


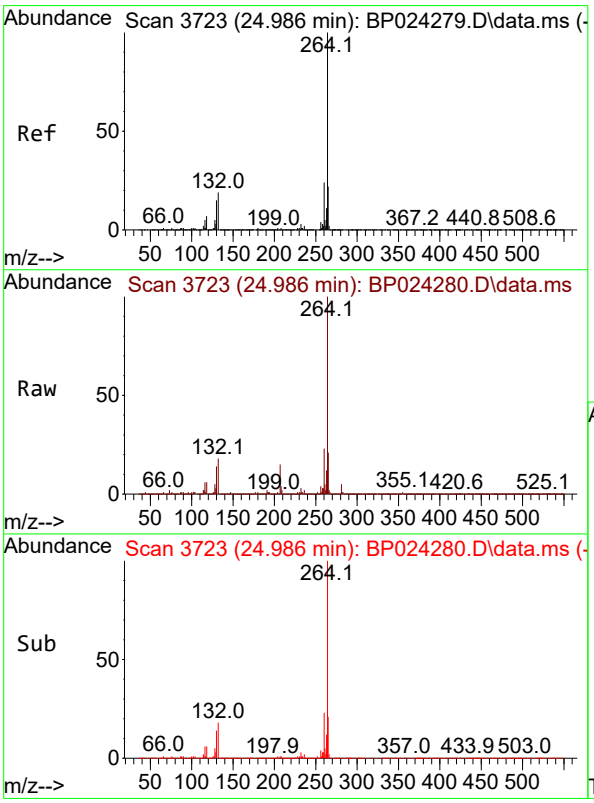
#85
Di-n-octyl phthalate
Concen: 56.166 ng
RT: 22.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5458484

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0

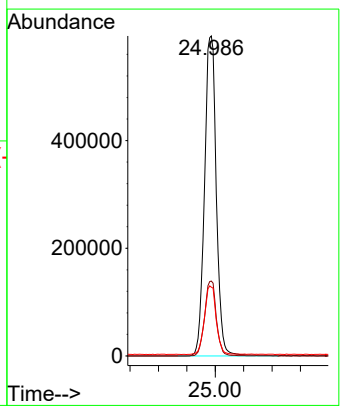


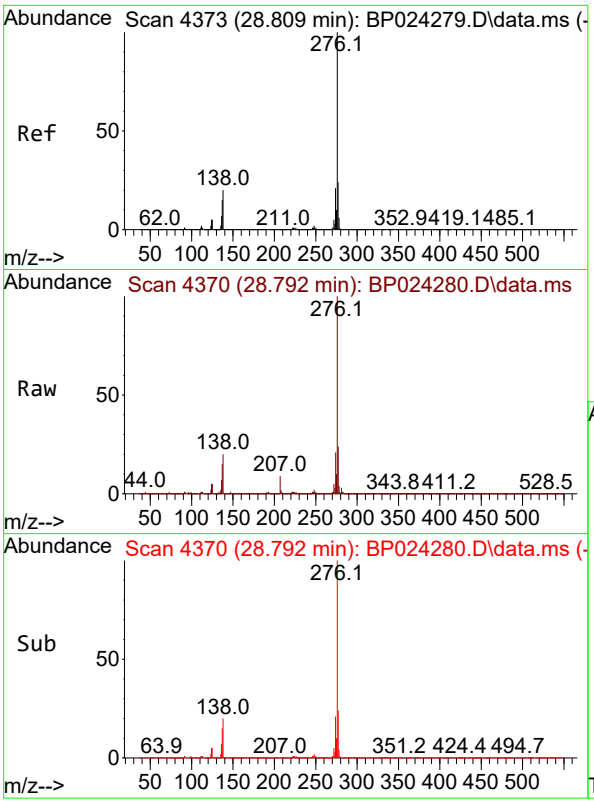


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:264 Resp: 1706545

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.5	17.8	26.6



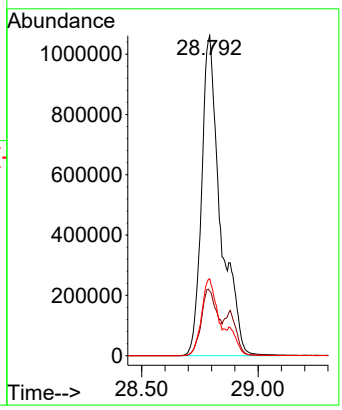


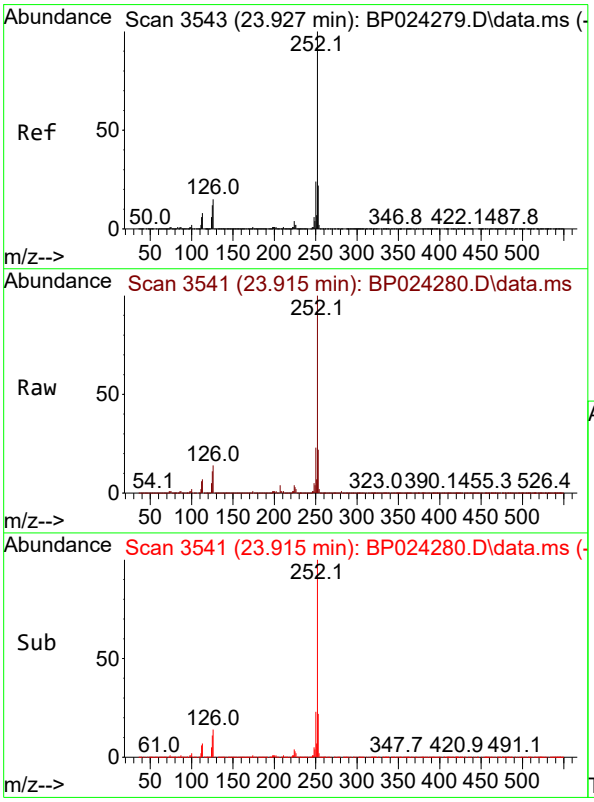
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.926 ng m
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5977144

Ion	Ratio	Lower	Upper
276	100		
138	17.7	14.5	21.7
277	20.8	20.2	30.2

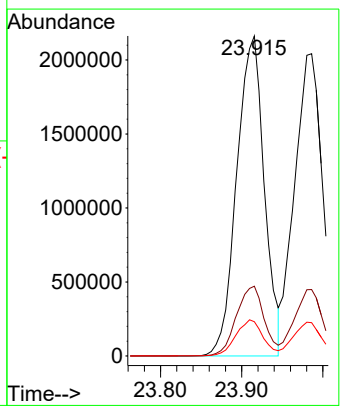


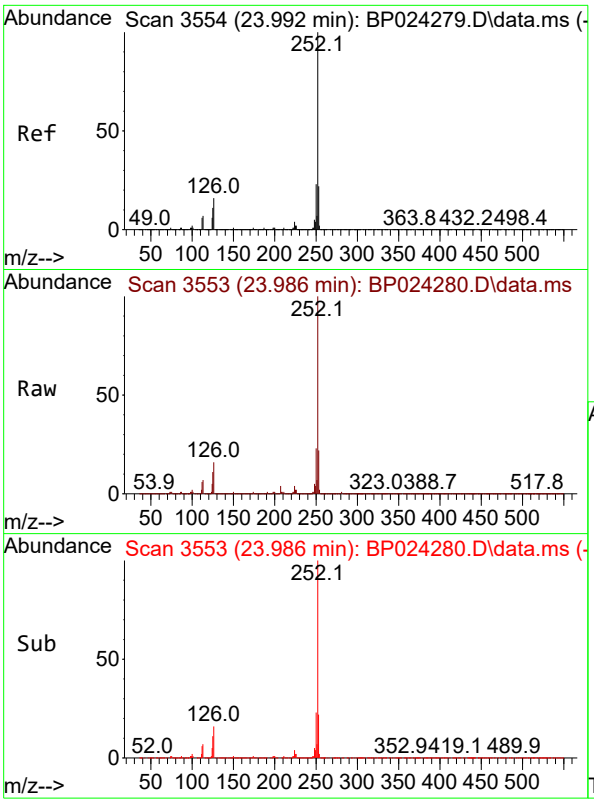


#88
Benzo(b)fluoranthene
Concen: 49.975 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 5102465

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.7	9.4	14.0



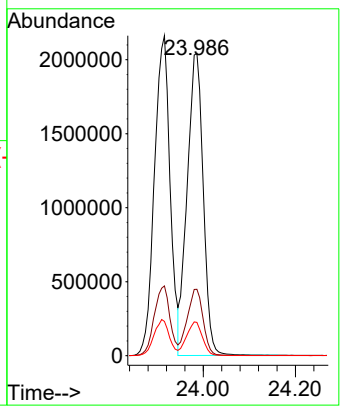


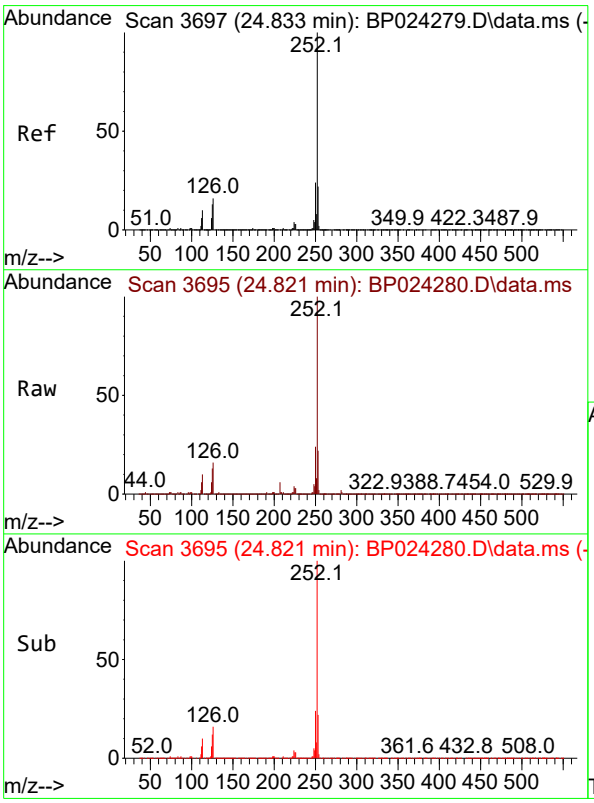
#89
Benzo(k)fluoranthene
Concen: 49.683 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4923203

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.0	9.1	13.7

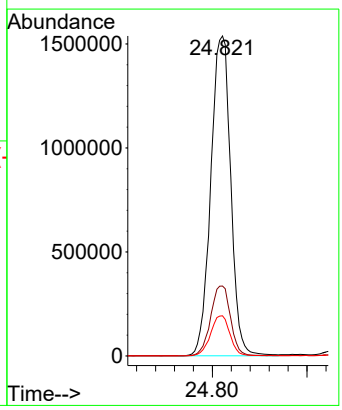


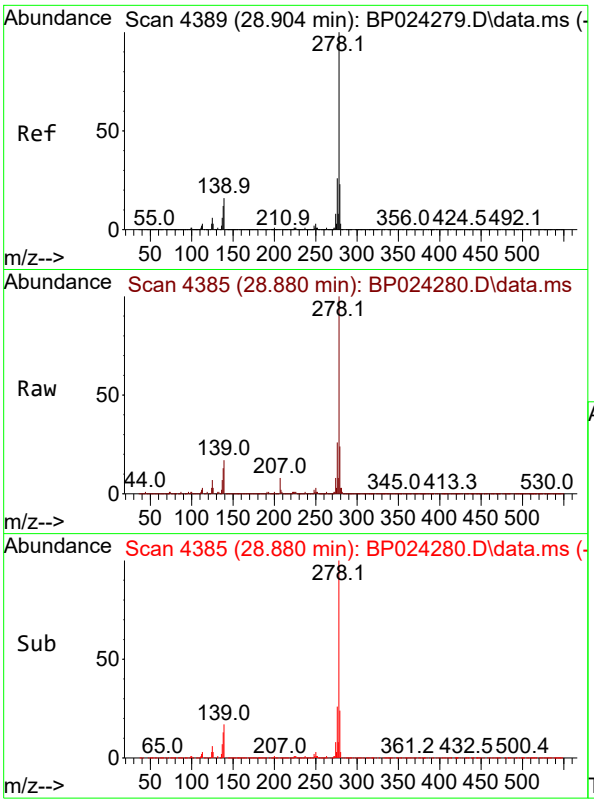


#90
Benzo(a)pyrene
Concen: 51.093 ng
RT: 24.821 min Scan# 3695
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 4490517

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.5	10.1	15.1



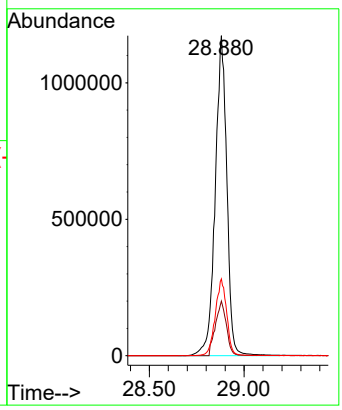


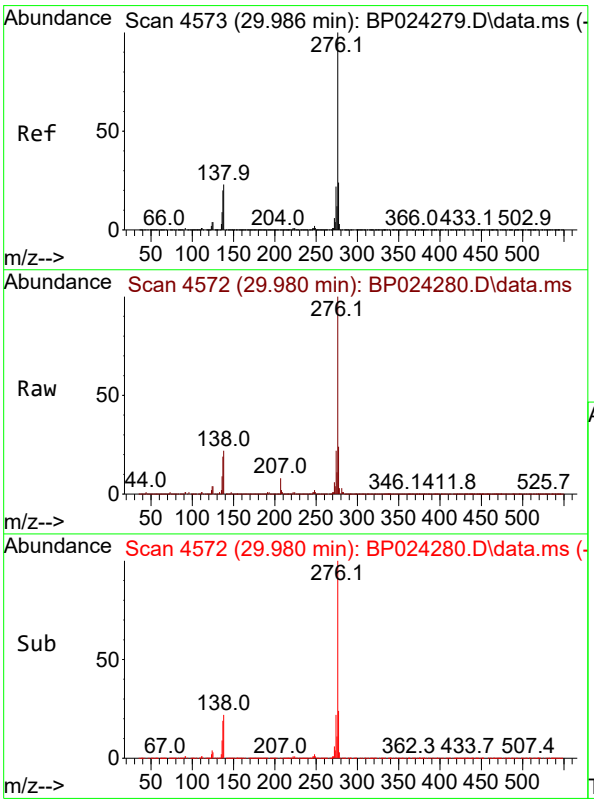
#91
Dibenzo(a,h)anthracene
Concen: 51.084 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4987219

Ion	Ratio	Lower	Upper
278	100		
139	17.1	12.6	19.0
279	24.0	18.5	27.7

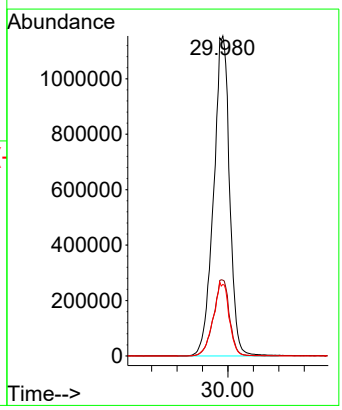




#92
Benzo(g,h,i)perylene
Concen: 50.656 ng
RT: 29.980 min Scan# 4572
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:276 Resp: 5033807

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	22.4	18.7	28.1



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	283549	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1206231	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	777459	20.000	ng		0.00
64) Phenanthrene-d10	17.169	188	1536805	20.000	ng		0.00
76) Chrysene-d12	21.621	240	1596148	20.000	ng		0.00
86) Perylene-d12	24.986	264	1858365	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2173071	126.481	ng		0.00
7) Phenol-d6	6.916	99	3009690	128.049	ng		0.00
23) Nitrobenzene-d5	8.881	82	2579126	121.729	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1382037	129.818	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	5835791	113.964	ng		0.00
79) Terphenyl-d14	19.898	244	9228969	115.262	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	417124	56.869	ng		100
3) Pyridine	3.687	79	1176097m	61.599	ng		
4) n-Nitrosodimethylamine	3.599	42	391176	61.443	ng		99
6) Aniline	7.069	93	1214636	57.245	ng		100
8) 2-Chlorophenol	7.305	128	1190812	62.021	ng		99
9) Benzaldehyde	6.881	77	617878	50.755	ng		99
10) Phenol	6.946	94	1513303	64.123	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	1155297	60.579	ng		100
12) 1,3-Dichlorobenzene	7.622	146	1218832	58.589	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1244205	58.981	ng		100
14) 1,2-Dichlorobenzene	8.081	146	1199988	58.830	ng		100
15) Benzyl Alcohol	7.975	79	1002308	66.533	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1187992	57.259	ng		99
17) 2-Methylphenol	8.175	107	978531	64.342	ng		99
18) Hexachloroethane	8.804	117	453349	59.545	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	883042	60.486	ng		99
20) 3+4-Methylphenols	8.499	107	1367005	64.895	ng		99
22) Acetophenone	8.546	105	1792666	59.797	ng	#	99
24) Nitrobenzene	8.922	77	1276229	60.775	ng		100
25) Isophorone	9.446	82	2365423	61.842	ng		99
26) 2-Nitrophenol	9.628	139	690735	68.504	ng		99
27) 2,4-Dimethylphenol	9.693	122	826335	64.660	ng		98
28) bis(2-Chloroethoxy)met...	9.922	93	1539129	59.124	ng		99
29) 2,4-Dichlorophenol	10.157	162	1124170	64.543	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1138896	60.440	ng		99
31) Naphthalene	10.557	128	3790924	59.373	ng		99
32) Benzoic acid	9.869	122	1032910m	74.795	ng		
33) 4-Chloroaniline	10.675	127	1372601	61.527	ng		100
34) Hexachlorobutadiene	10.845	225	660129	59.719	ng		99
35) Caprolactam	11.475	113	437691	68.445	ng		99
36) 4-Chloro-3-methylphenol	11.804	107	1314421	64.762	ng		98
37) 2-Methylnaphthalene	12.169	142	2676555	60.487	ng		99
38) 1-Methylnaphthalene	12.387	142	2599119	59.960	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1281552	59.981	ng		100
41) Hexachlorocyclopentadiene	12.522	237	459486	61.257	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	909999	64.732	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

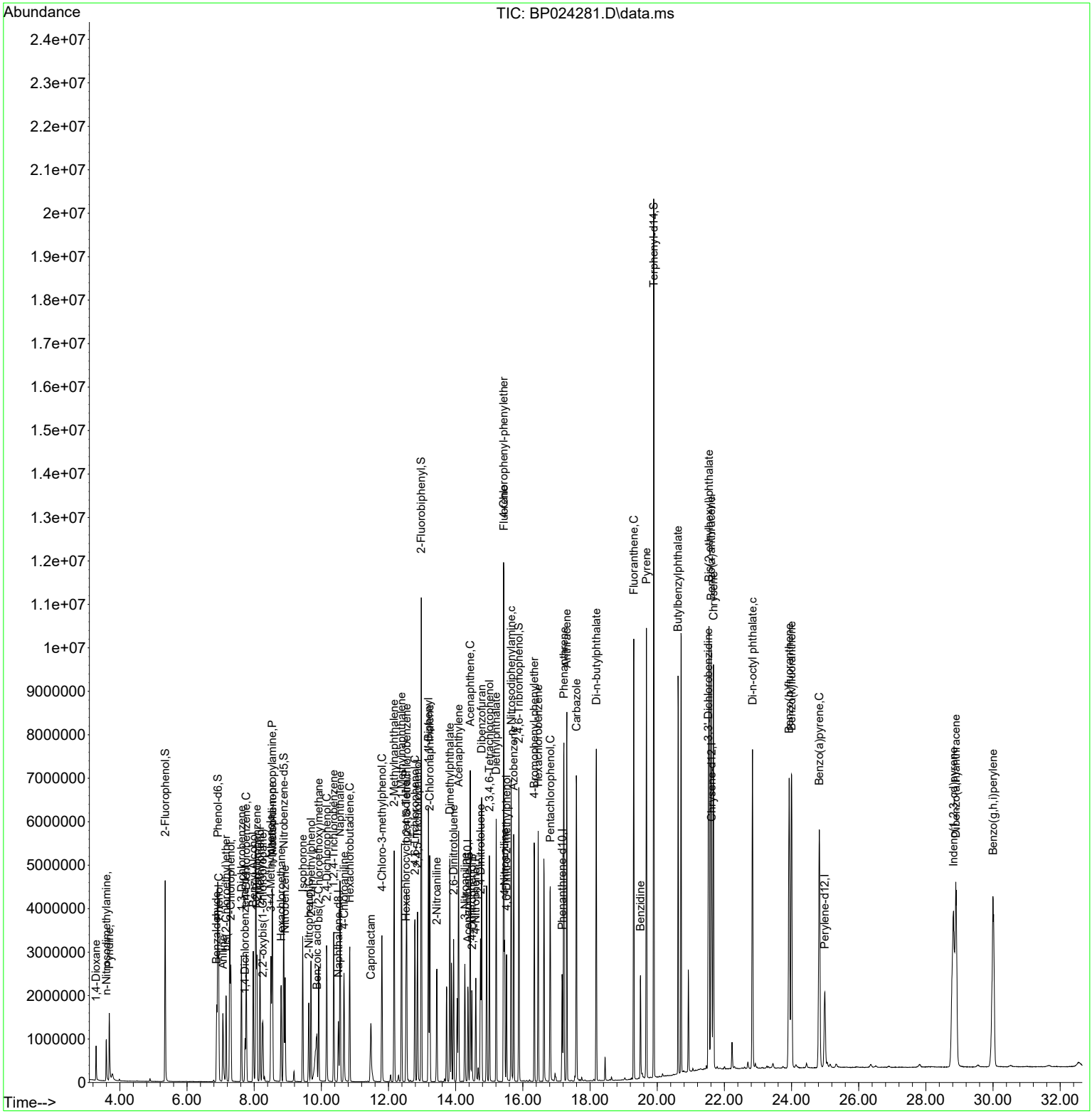
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	1017414	65.306	ng	99
46) 1,1'-Biphenyl	13.187	154	3330176	58.001	ng	99
47) 2-Chloronaphthalene	13.228	162	2542212	59.336	ng	99
48) 2-Nitroaniline	13.439	65	781584	66.042	ng	98
49) Acenaphthylene	14.087	152	4111553	61.143	ng	99
50) Dimethylphthalate	13.828	163	3404463	60.022	ng	100
51) 2,6-Dinitrotoluene	13.939	165	764810	63.998	ng	98
52) Acenaphthene	14.434	154	2516981	58.858	ng	99
53) 3-Nitroaniline	14.275	138	793796	64.022	ng	99
54) 2,4-Dinitrophenol	14.486	184	490497	76.655	ng	97
55) Dibenzofuran	14.775	168	4124640	58.810	ng	100
56) 4-Nitrophenol	14.598	139	754038	70.748	ng	99
57) 2,4-Dinitrotoluene	14.739	165	1079633	66.836	ng	98
58) Fluorene	15.434	166	3184960	58.817	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	909497	63.097	ng	100
60) Diethylphthalate	15.204	149	3495577	59.879	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	1563042	59.442	ng	99
62) 4-Nitroaniline	15.457	138	886163	67.414	ng	98
63) Azobenzene	15.728	77	3229873	60.070	ng	98
65) 4,6-Dinitro-2-methylph...	15.516	198	647253	72.083	ng	94
66) n-Nitrosodiphenylamine	15.651	169	2805137	60.874	ng	100
67) 4-Bromophenyl-phenylether	16.339	248	1038071	61.926	ng	98
68) Hexachlorobenzene	16.457	284	1239550	62.200	ng	97
70) Pentachlorophenol	16.816	266	936562	68.445	ng	100
71) Phenanthrene	17.222	178	4988840	59.209	ng	99
72) Anthracene	17.310	178	4938117	60.907	ng	99
73) Carbazole	17.592	167	4780408	60.584	ng	99
74) Di-n-butylphthalate	18.186	149	6167206	62.730	ng	100
75) Fluoranthene	19.304	202	6009748	60.092	ng	98
77) Benzidine	19.504	184	1446166	73.401	ng	100
78) Pyrene	19.680	202	6250781	61.204	ng	100
80) Butylbenzylphthalate	20.621	149	2840001	65.961	ng	98
81) Benzo(a)anthracene	21.604	228	6002059	60.318	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	2323294	67.333	ng	100
83) Chrysene	21.674	228	5714775	59.924	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4153128	65.497	ng	99
85) Di-n-octyl phthalate	22.839	149	7116217	70.060	ng	99
87) Indeno(1,2,3-cd)pyrene	28.821	276	8057576m	63.043	ng	
88) Benzo(b)fluoranthene	23.927	252	6715444	60.400	ng	99
89) Benzo(k)fluoranthene	24.004	252	6500782	60.244	ng	99
90) Benzo(a)pyrene	24.827	252	5964163	62.316	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	6614173	62.214	ng	98
92) Benzo(g,h,i)perylene	30.003	276	6740929	62.294	ng	98

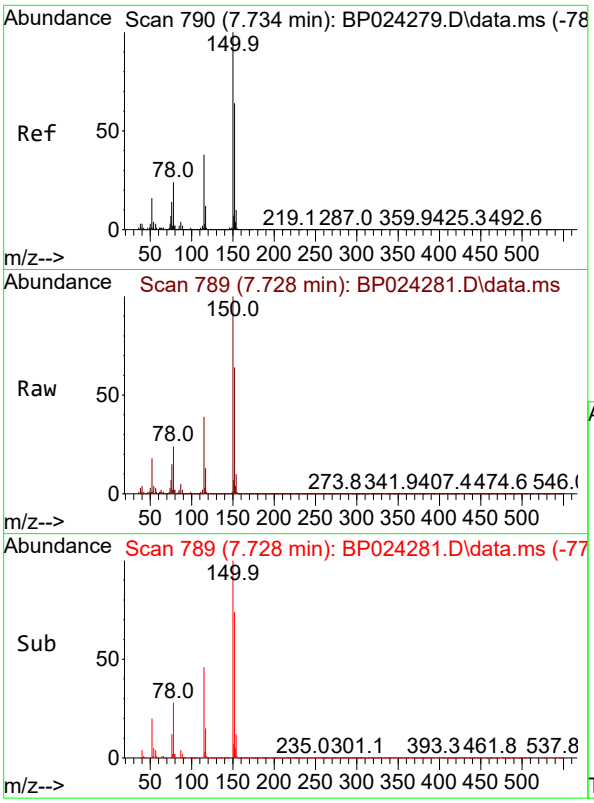
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



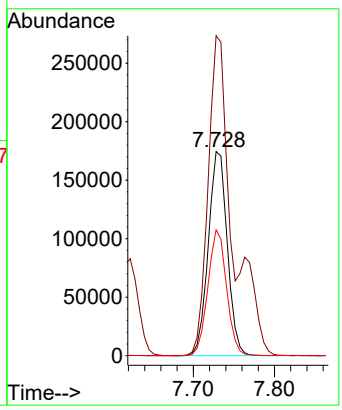


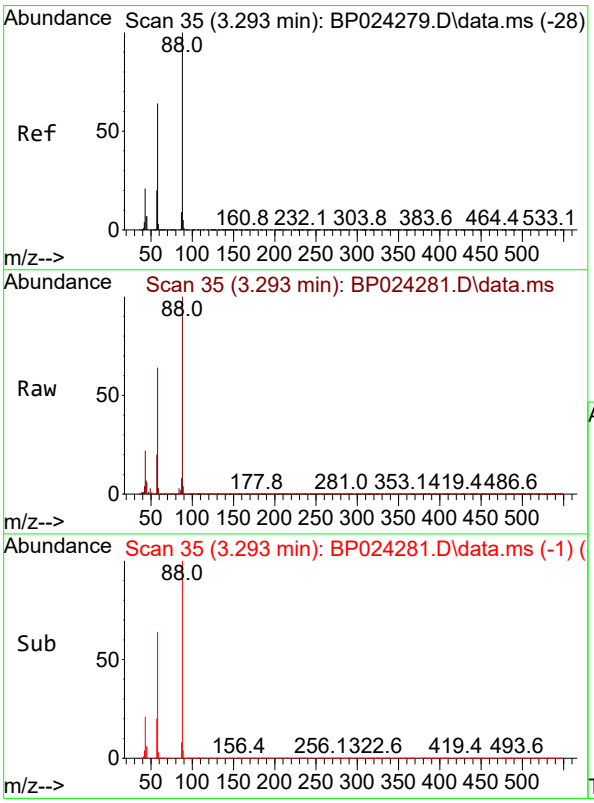
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 283549

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	61.7	47.7	71.5

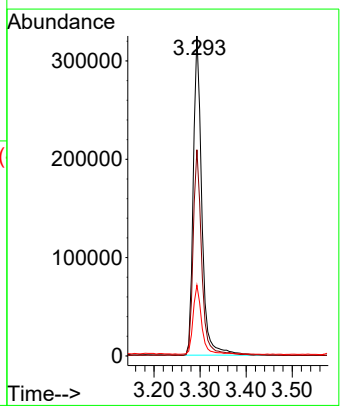


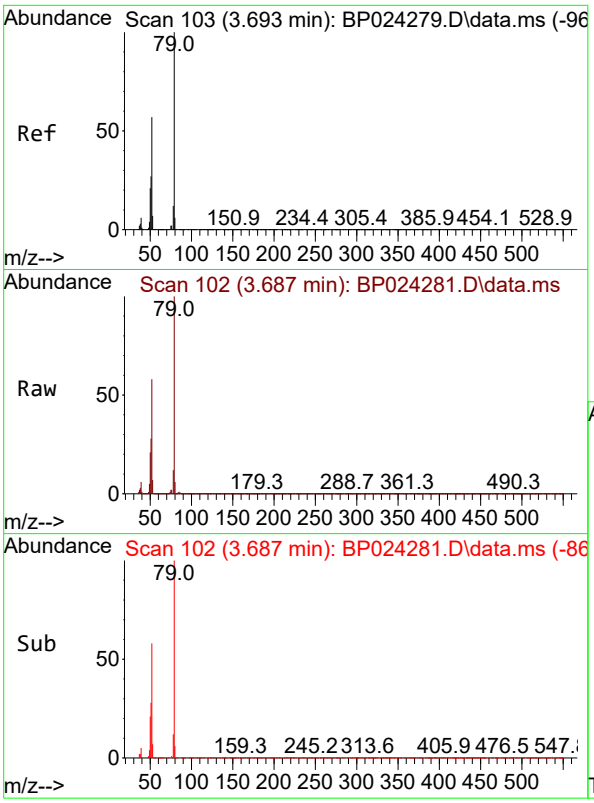


#2
1,4-Dioxane
Concen: 56.869 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 88 Resp: 417124

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.4	17.1	25.7



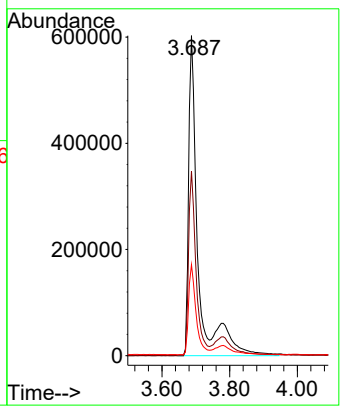


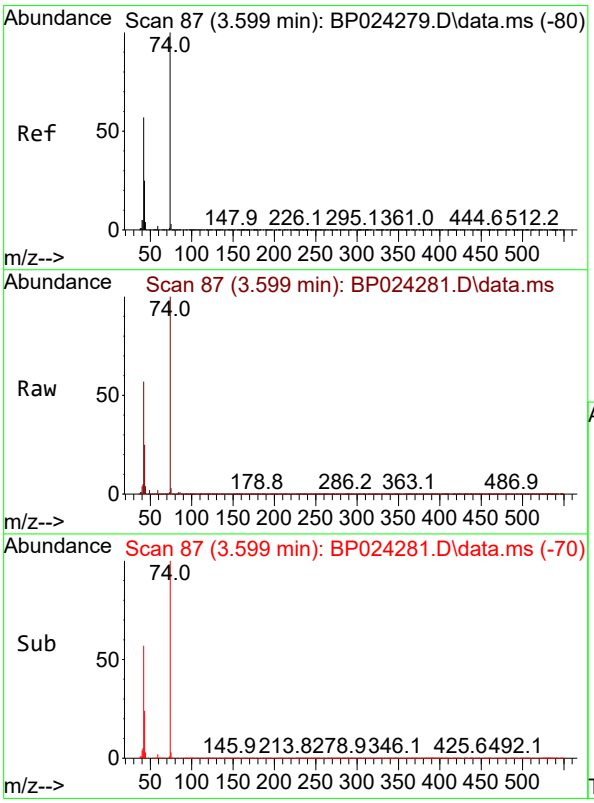
#3
Pyridine
Concen: 61.599 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1176097

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.4	22.6	33.8

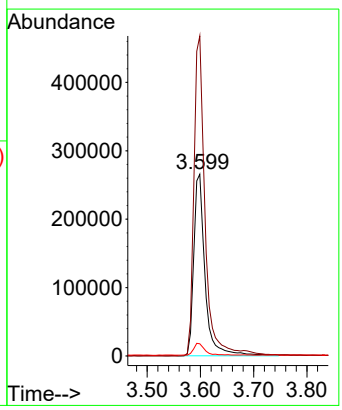


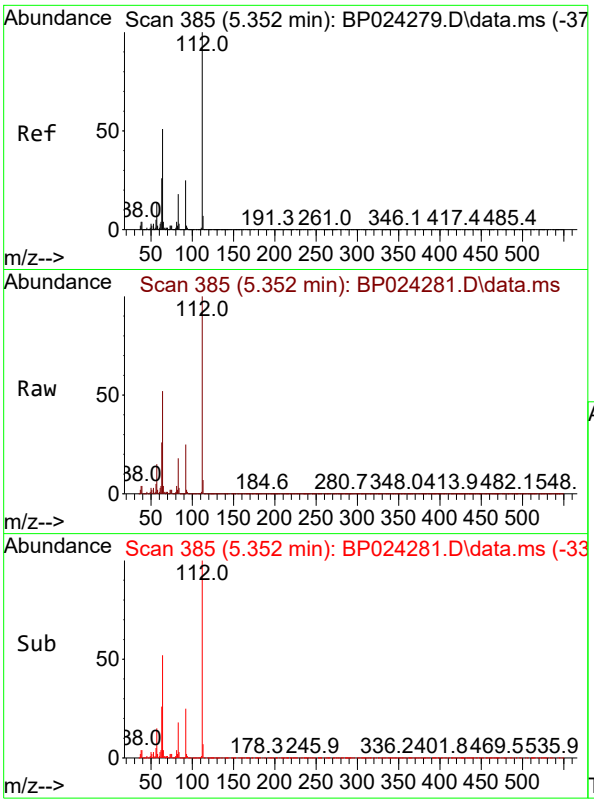


#4
n-Nitrosodimethylamine
Concen: 61.443 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 42 Resp: 391176

Ion	Ratio	Lower	Upper
42	100		
74	176.0	139.5	209.3
44	6.7	5.8	8.8



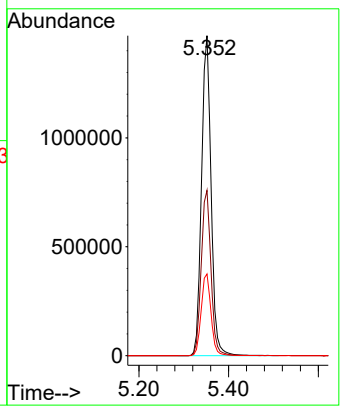


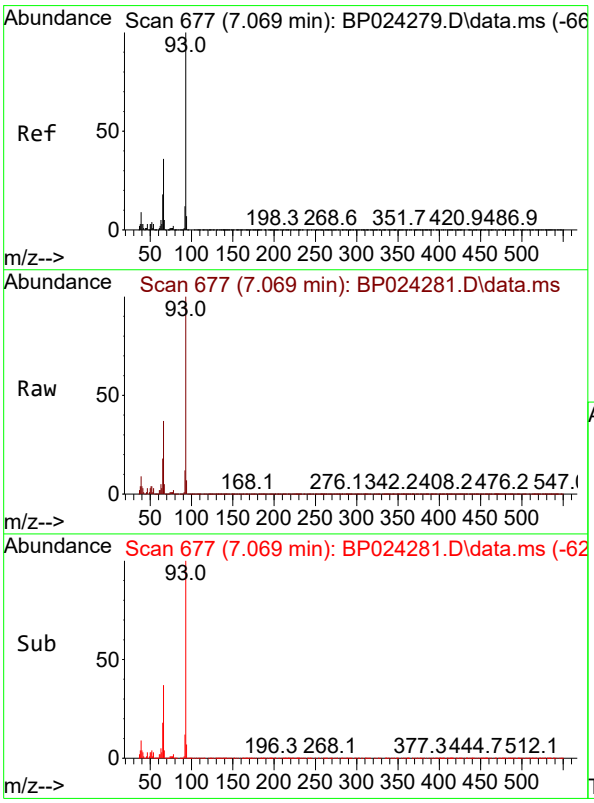
#5
2-Fluorophenol
Concen: 126.481 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2173071

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	25.5	20.6	30.8

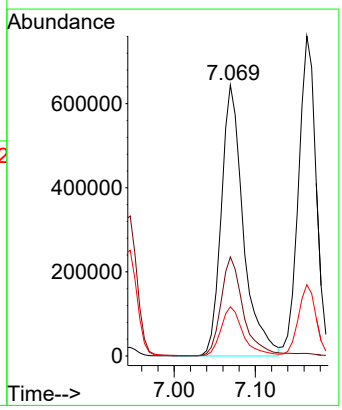


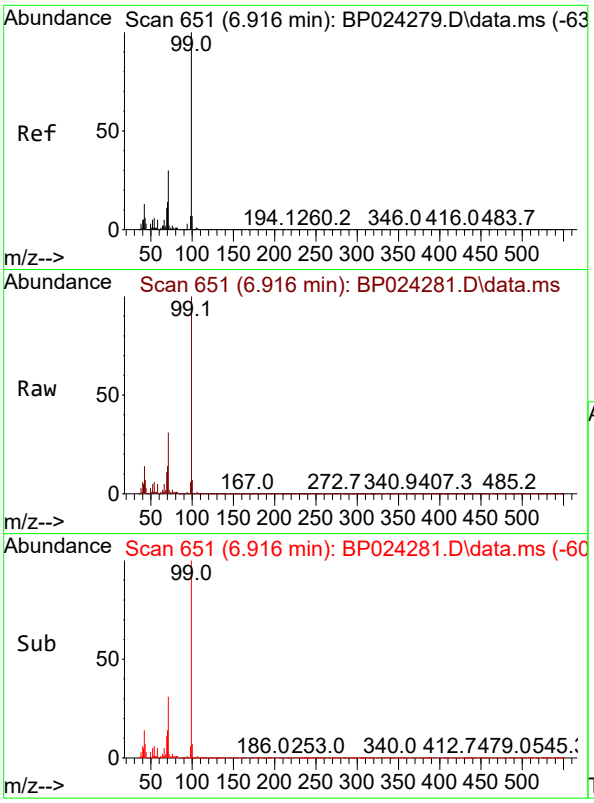


#6
Aniline
Concen: 57.245 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1214636

Ion	Ratio	Lower	Upper
93	100		
66	36.6	29.1	43.7
65	18.1	14.7	22.1



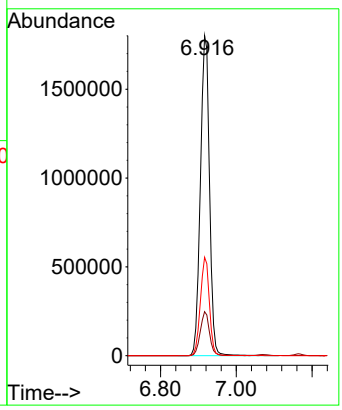


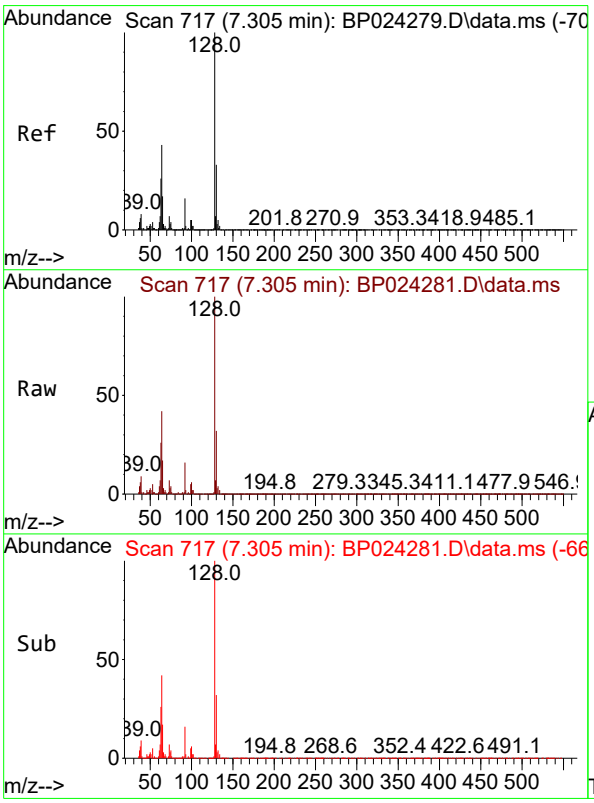
#7
Phenol-d6
Concen: 128.049 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 3009690

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.8	23.7	35.5

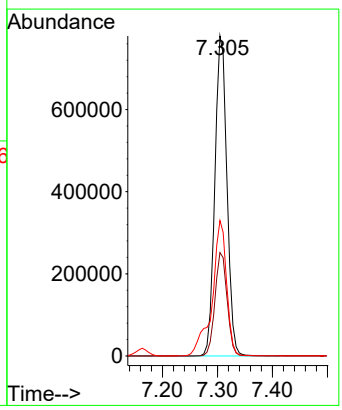


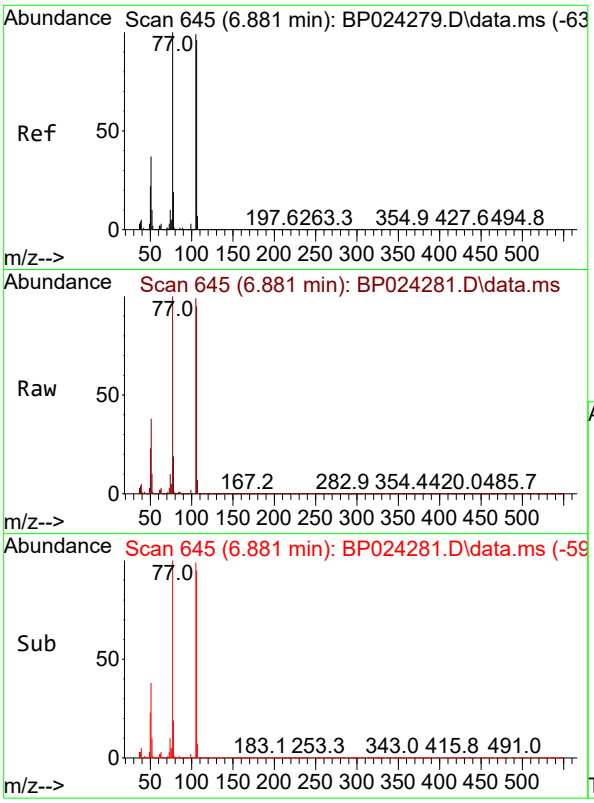


#8
2-Chlorophenol
Concen: 62.021 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:128 Resp: 1190812

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	42.3	22.7	62.7



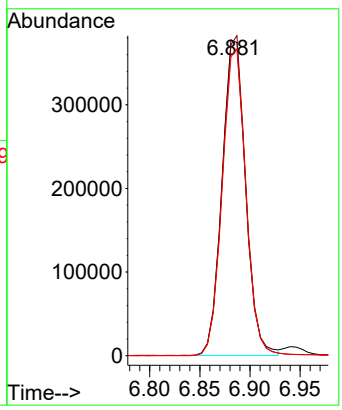


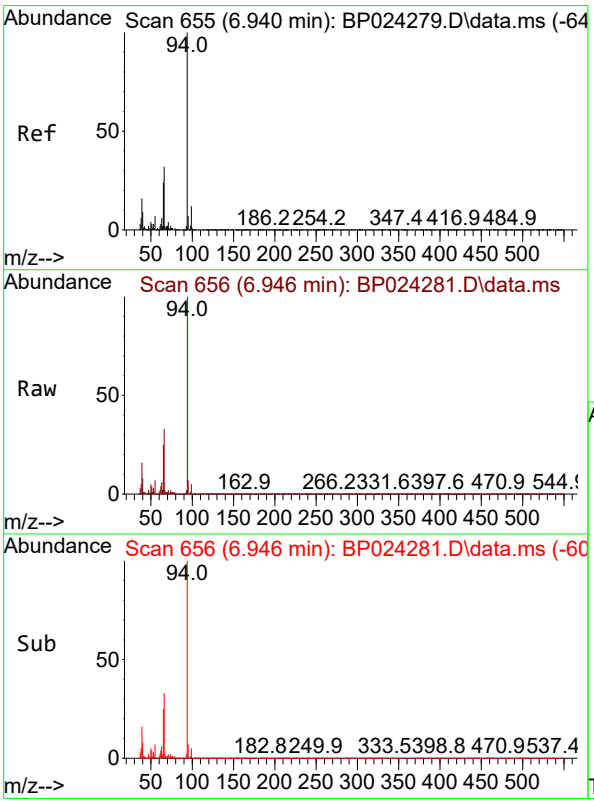
#9
Benzaldehyde
Concen: 50.755 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 617878

Ion	Ratio	Lower	Upper
77	100		
105	98.5	79.2	119.2
106	94.7	76.2	116.2

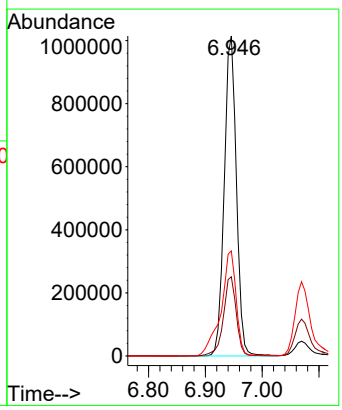


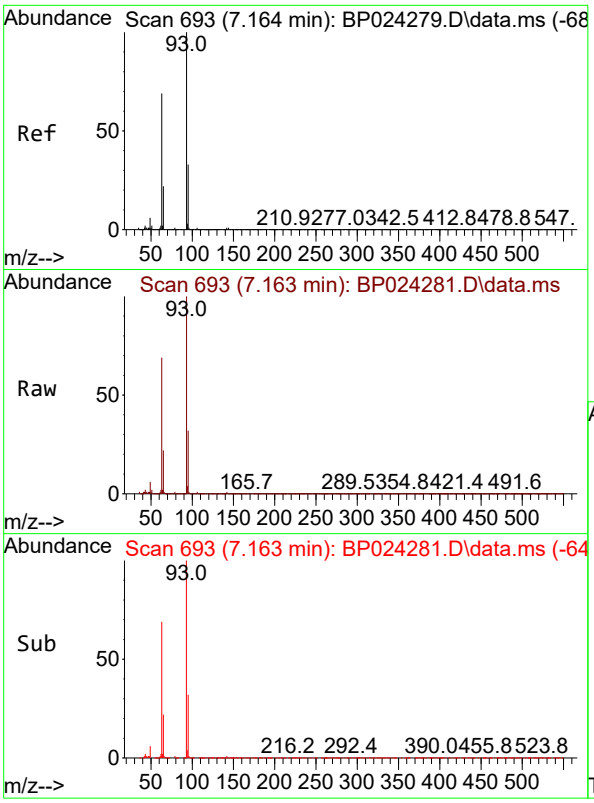


#10
Phenol
Concen: 64.123 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 94 Resp: 1513303

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



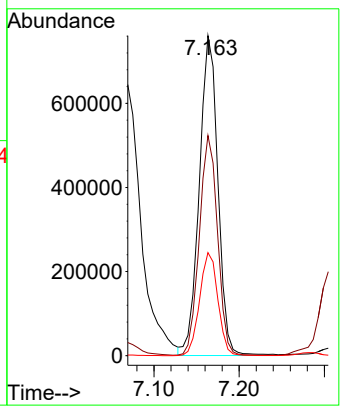


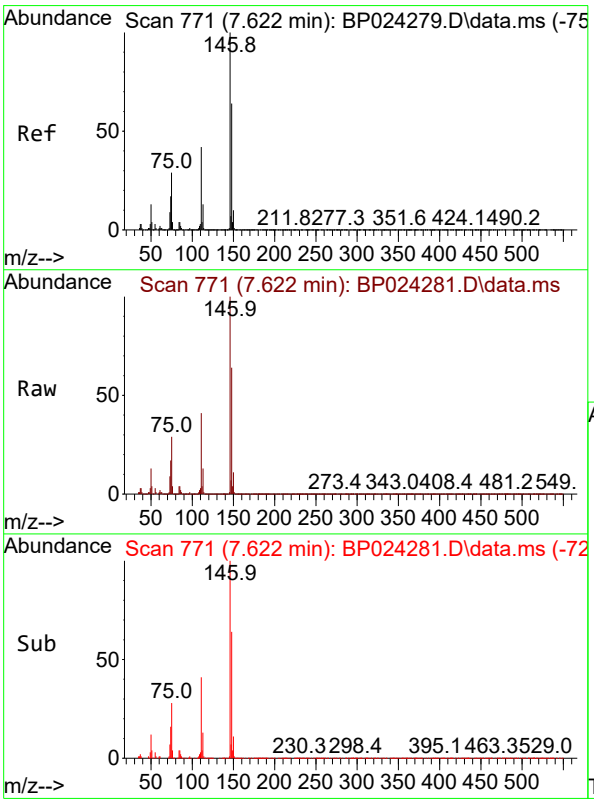
#11
bis(2-Chloroethyl)ether
Concen: 60.579 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1155297

Ion	Ratio	Lower	Upper
93	100		
63	68.8	48.6	88.6
95	32.2	12.3	52.3

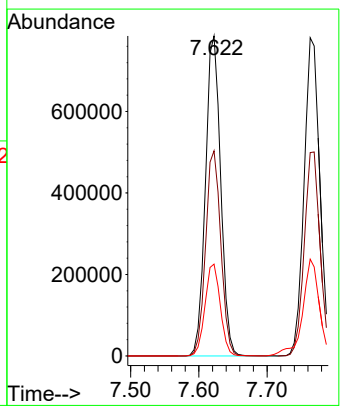


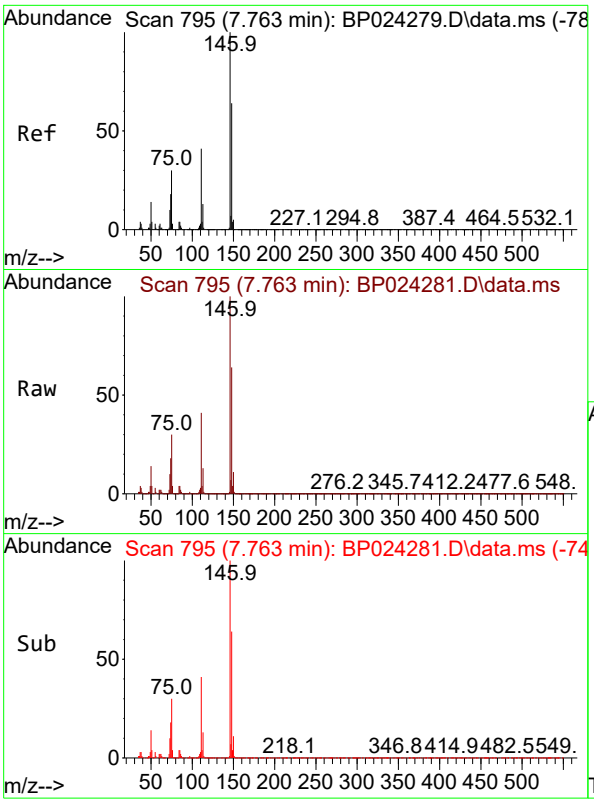


#12
1,3-Dichlorobenzene
Concen: 58.589 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1218832

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.7	22.9	34.3



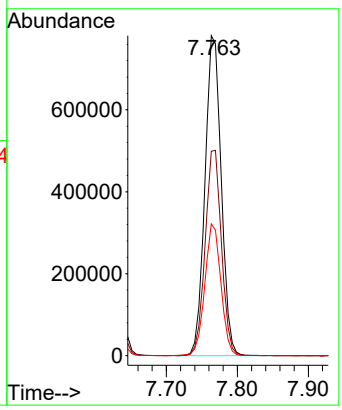


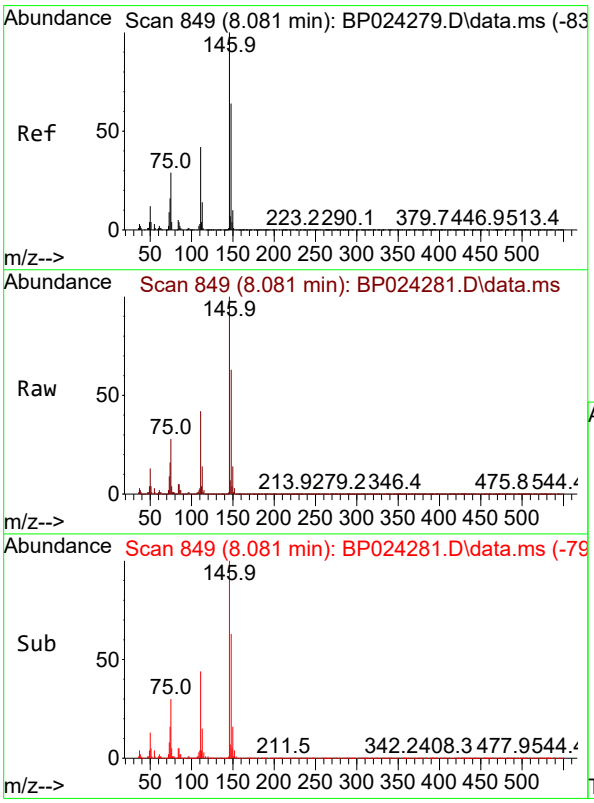
#13
1,4-Dichlorobenzene
Concen: 58.981 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1244205

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	41.2	32.6	48.8

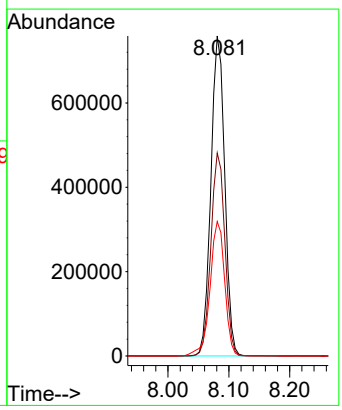


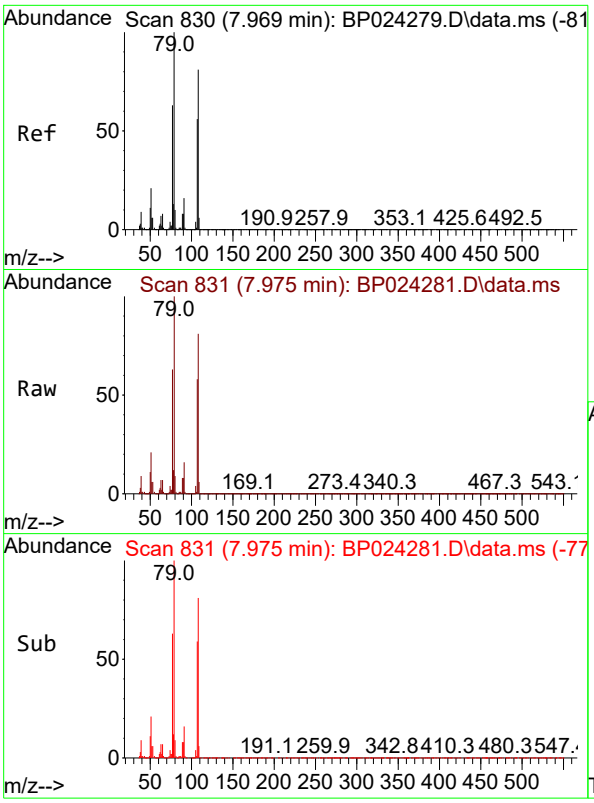


#14
1,2-Dichlorobenzene
Concen: 58.830 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1199988

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.4
111	42.0	33.8	50.8



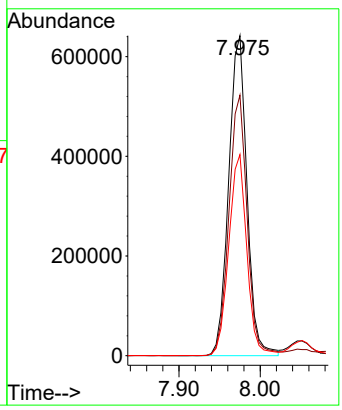


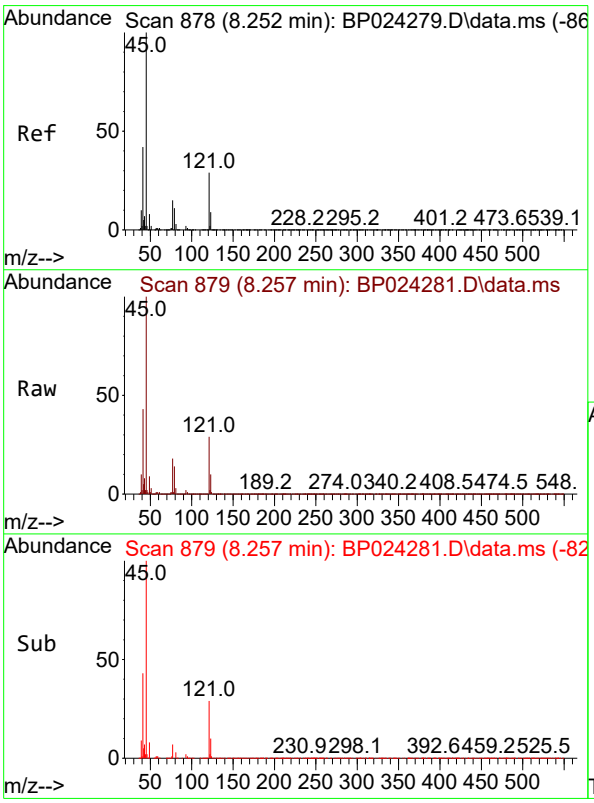
#15
Benzyl Alcohol
Concen: 66.533 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1002308

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	62.9	50.7	76.1

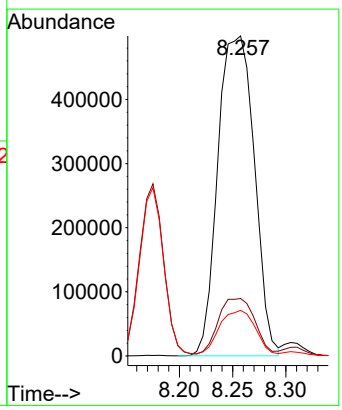


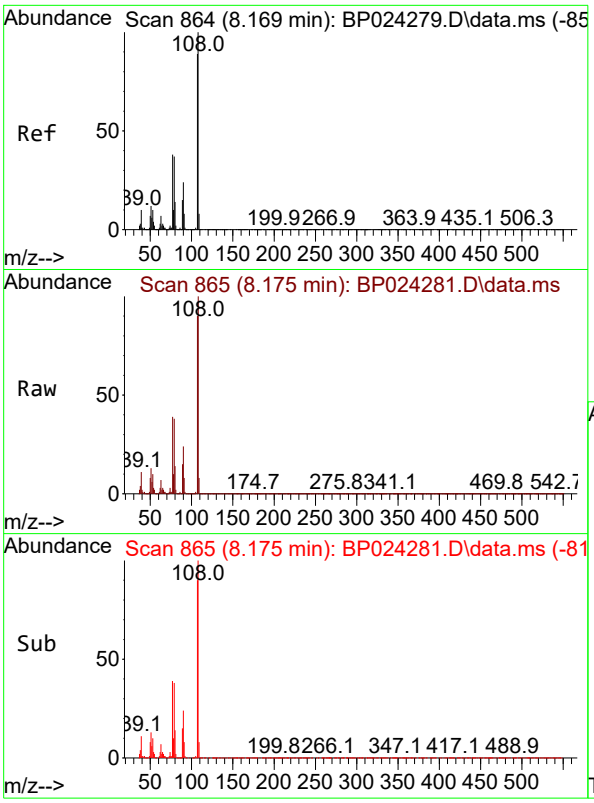


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.259 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 45 Resp: 1187992

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	14.3	0.0	33.5



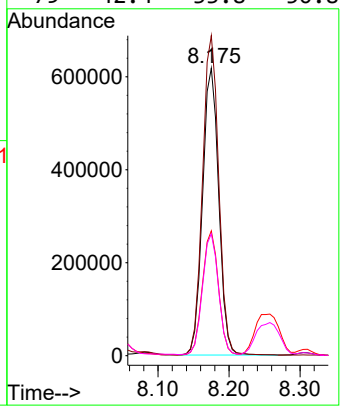


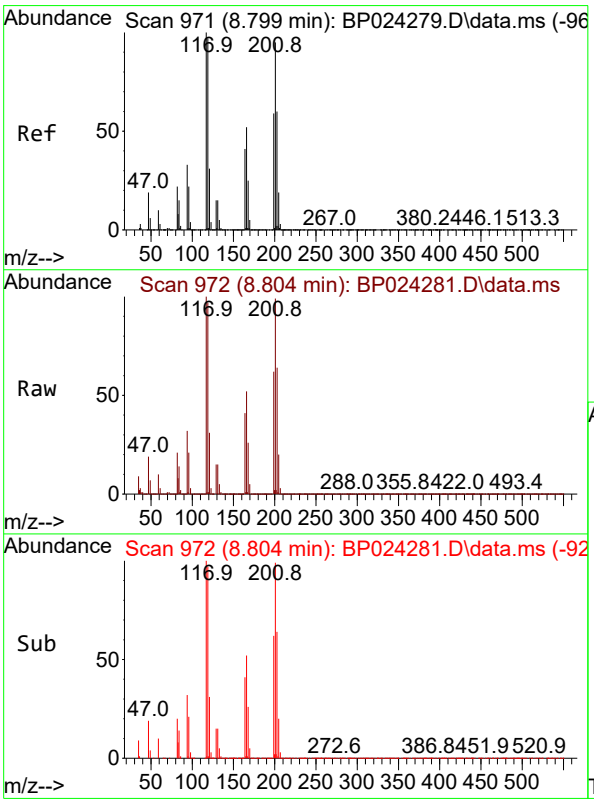
#17
2-Methylphenol
Concen: 64.342 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 978531

Ion	Ratio	Lower	Upper
107	100		
108	111.3	89.8	134.6
77	43.4	34.2	51.4
79	42.4	33.8	50.8

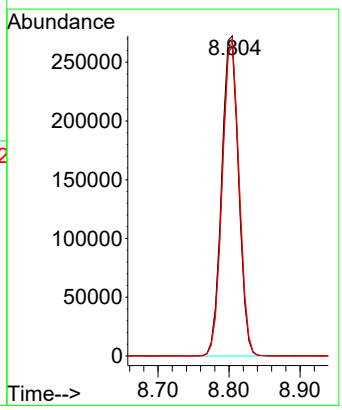


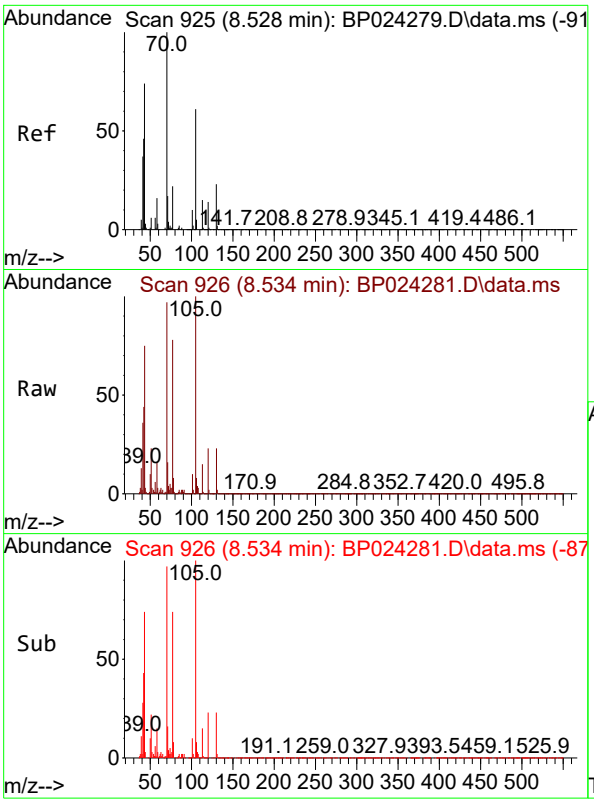


#18
Hexachloroethane
Concen: 59.545 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:117 Resp: 453349

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.6
201	99.1	75.9	113.9



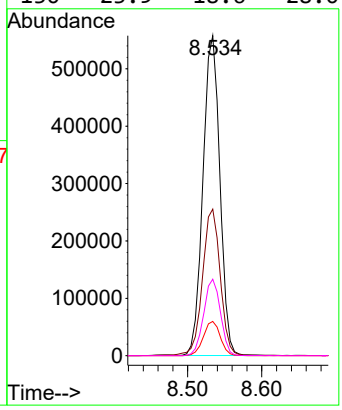


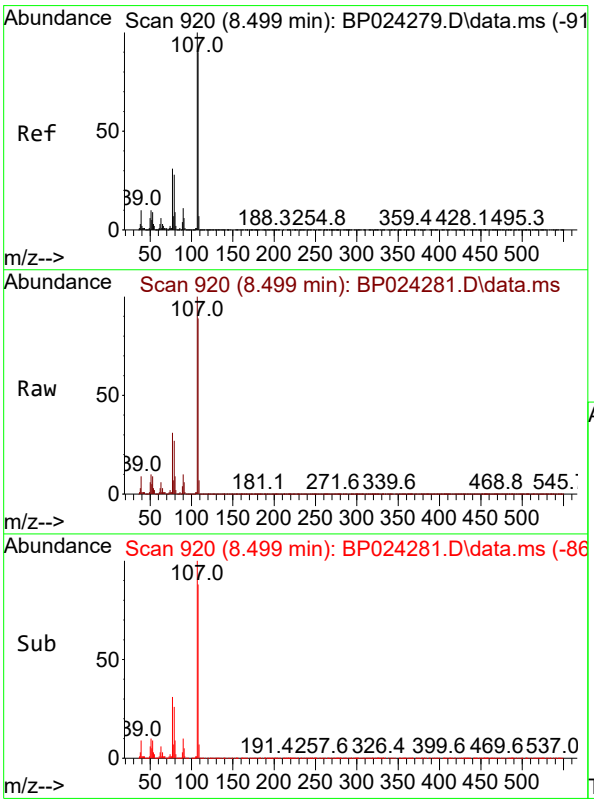
#19
n-Nitroso-di-n-propylamine
Concen: 60.486 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 883042

Ion	Ratio	Lower	Upper
70	100		
42	45.8	37.3	55.9
101	10.7	8.2	12.4
130	23.9	18.6	28.0

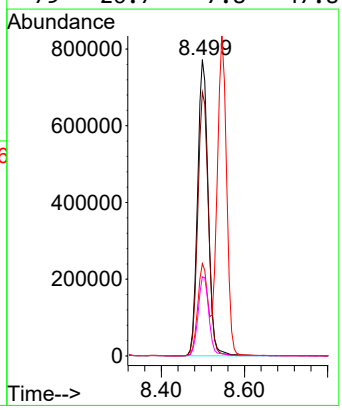


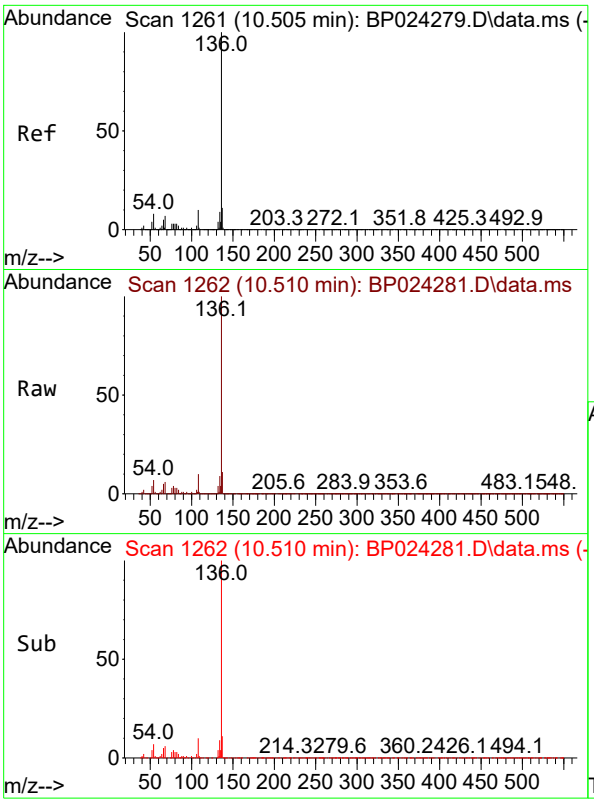


#20
3+4-Methylphenols
Concen: 64.895 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1367005

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	31.1	11.5	51.5
79	26.7	7.8	47.8



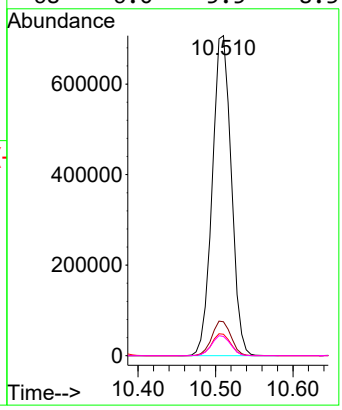


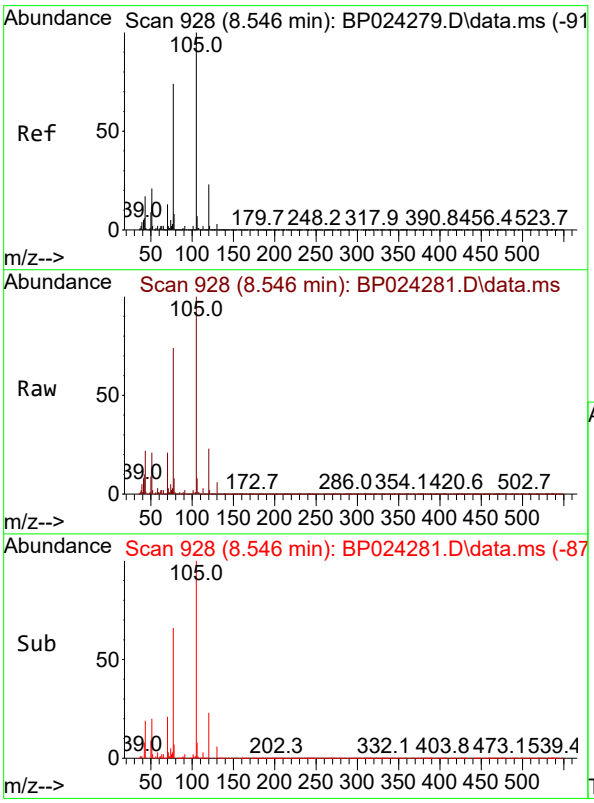
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1206231

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.7	6.0	9.0
68	6.0	5.5	8.3

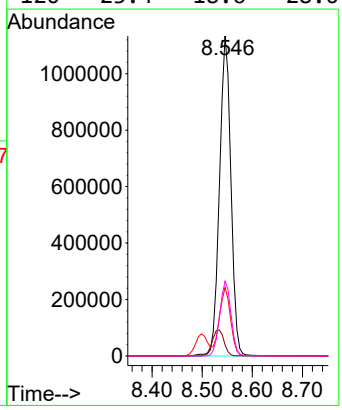


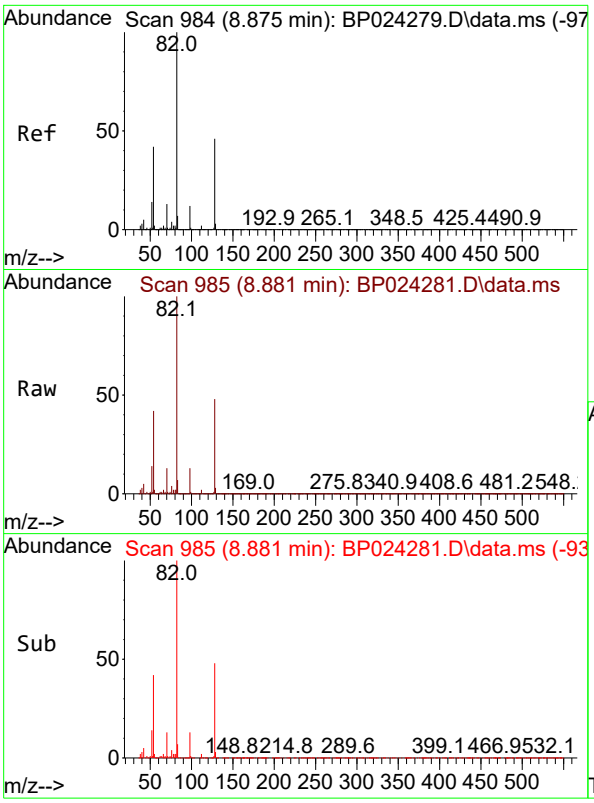


#22
Acetophenone
Concen: 59.797 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:105 Resp: 1792666

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.7	2.5#
51	21.4	16.9	25.3
120	23.4	18.6	28.0



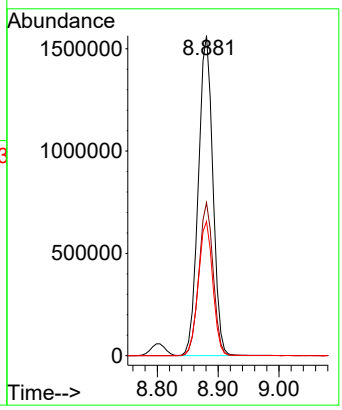


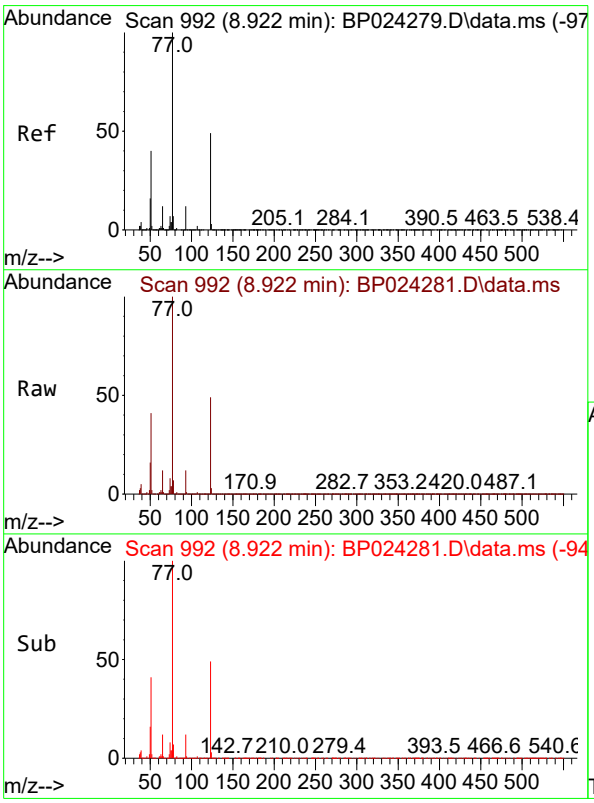
#23
Nitrobenzene-d5
Concen: 121.729 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2579126

Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.5	54.7
54	41.9	33.4	50.2

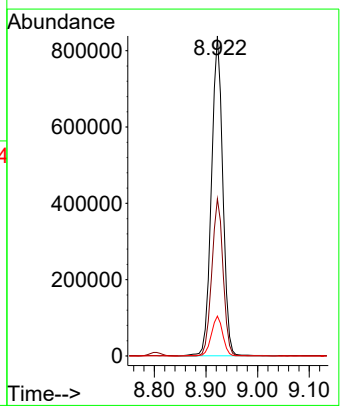


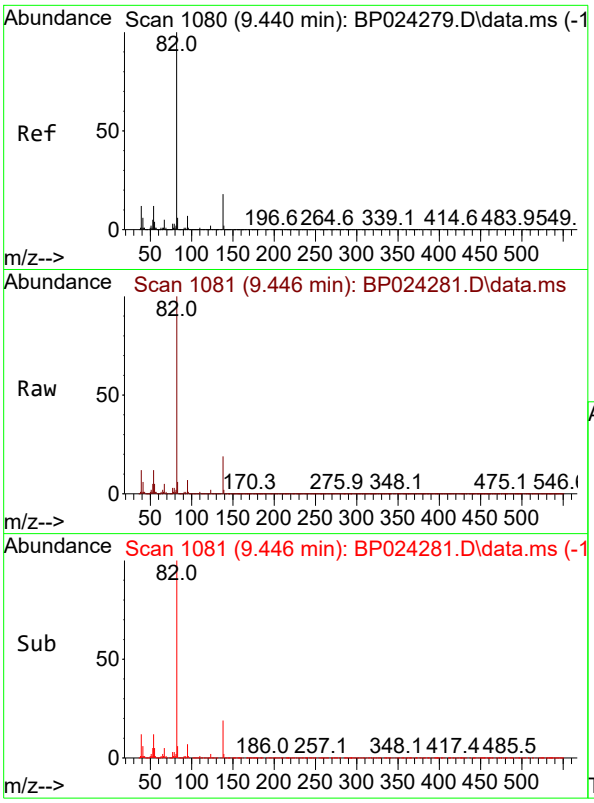


#24
Nitrobenzene
Concen: 60.775 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 77 Resp: 1276229

Ion	Ratio	Lower	Upper
77	100		
123	49.1	39.2	58.8
65	12.4	9.8	14.6



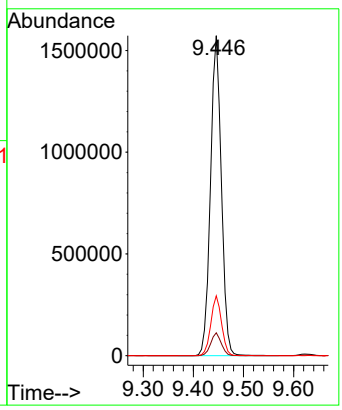


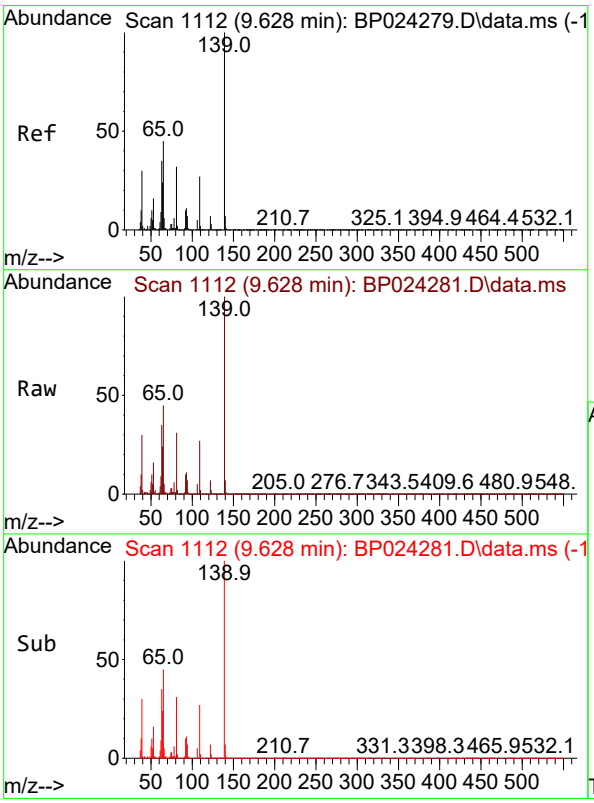
#25
Isophorone
Concen: 61.842 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2365423

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.7	14.4	21.6

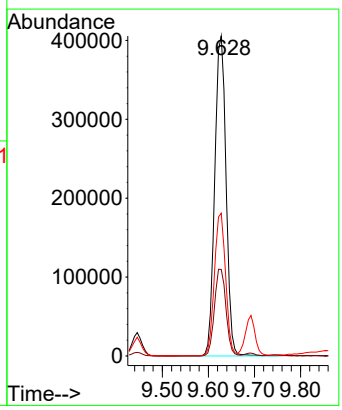


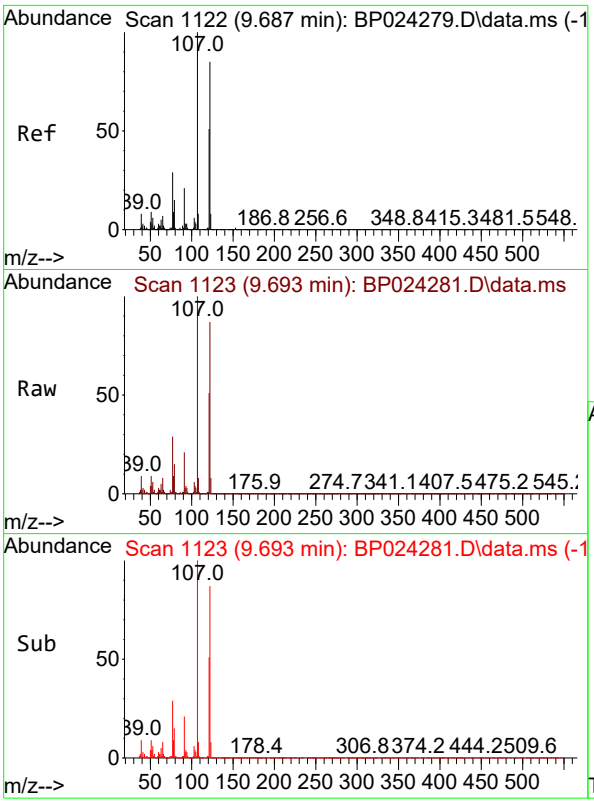


#26
2-Nitrophenol
Concen: 68.504 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 690735

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.8	32.6
65	44.6	36.2	54.2



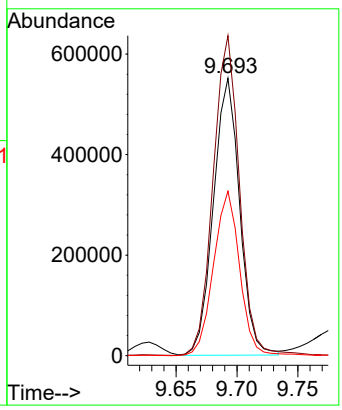


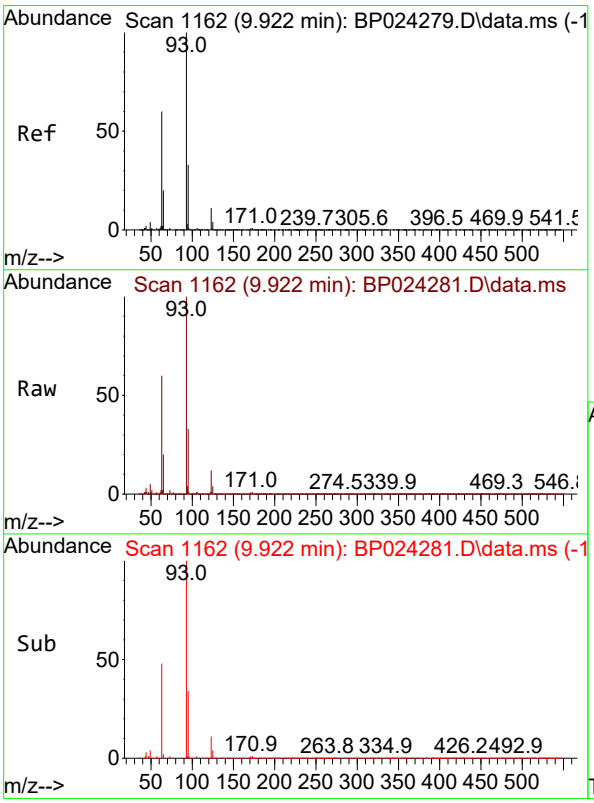
#27
2,4-Dimethylphenol
Concen: 64.660 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 826335

Ion	Ratio	Lower	Upper
122	100		
107	115.3	93.7	140.5
121	59.3	48.2	72.2

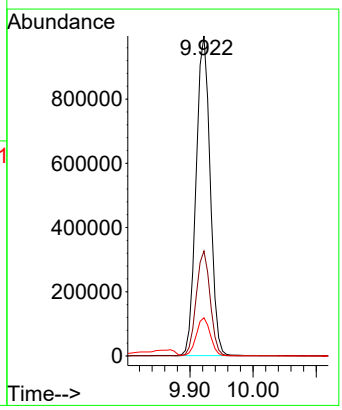


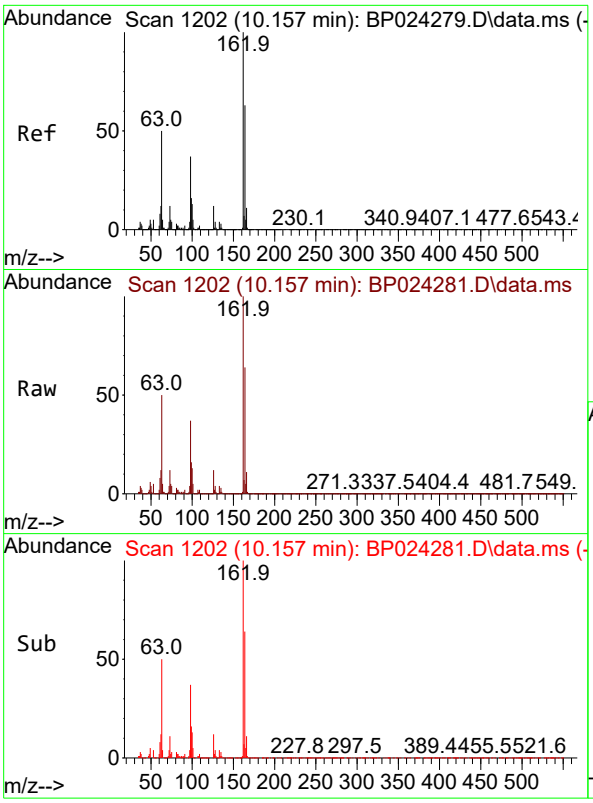


#28
bis(2-Chloroethoxy)methane
Concen: 59.124 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1539129

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.9	9.1	13.7



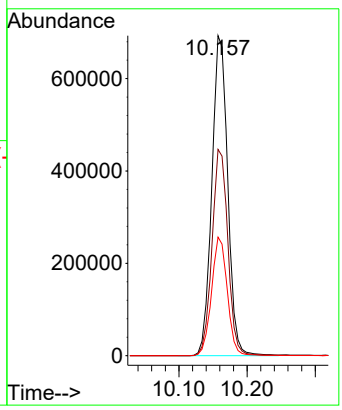


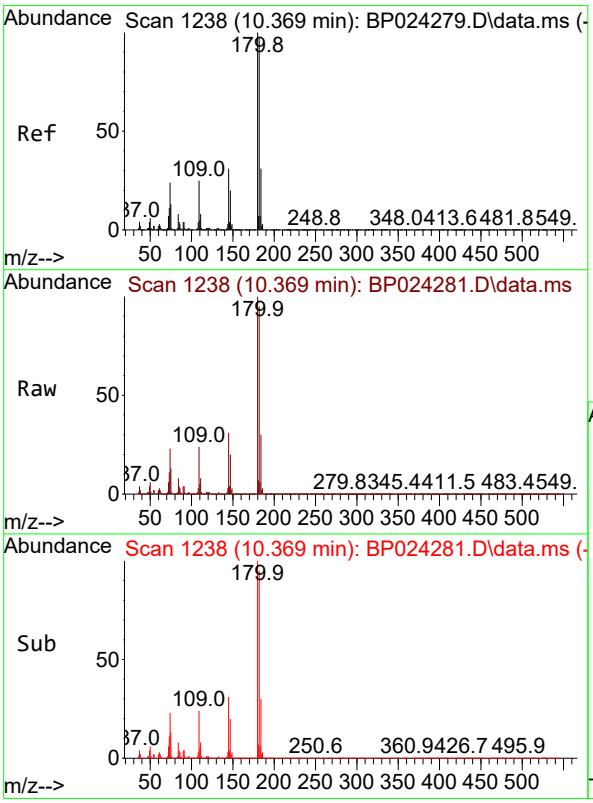
#29
2,4-Dichlorophenol
Concen: 64.543 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1124170

Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.3	83.3
98	37.0	16.6	56.6

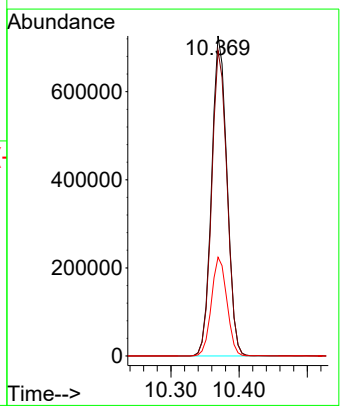


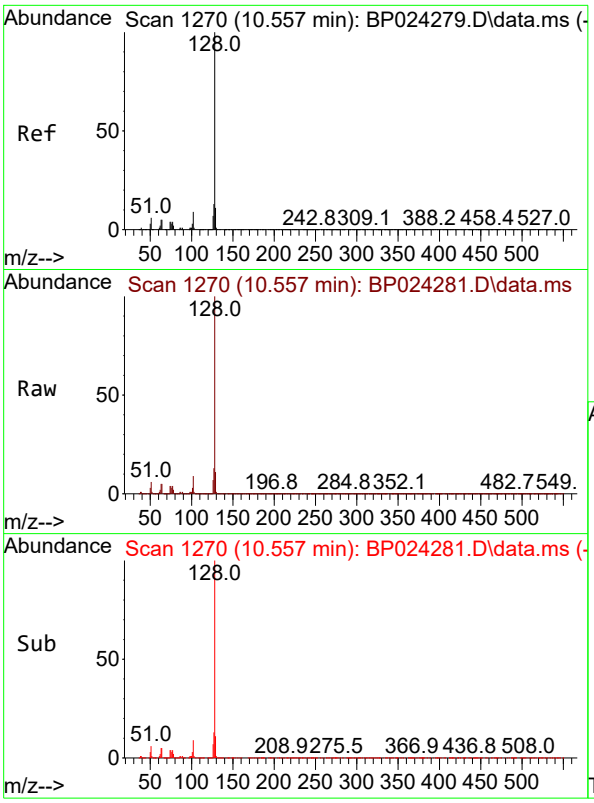


#30
1,2,4-Trichlorobenzene
Concen: 60.440 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:180 Resp: 1138896

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.8	25.1	37.7



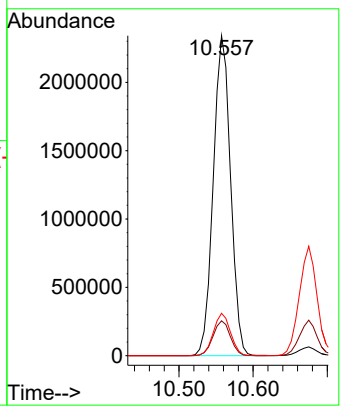


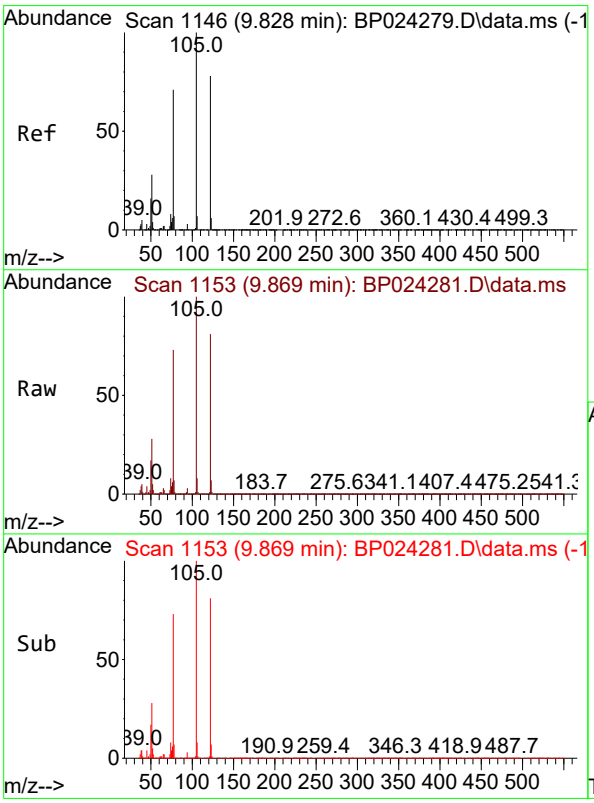
#31
Naphthalene
Concen: 59.373 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3790924

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.2	10.3	15.5

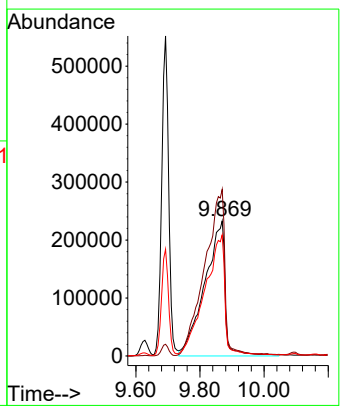


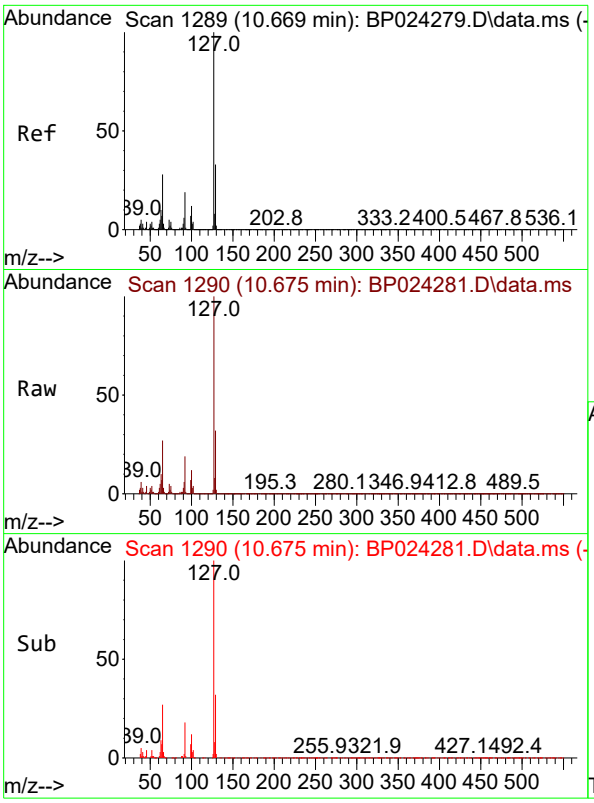


#32
Benzoic acid
Concen: 74.795 ng m
RT: 9.869 min Scan# 1153
Delta R.T. 0.041 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:122 Resp: 1032910

Ion	Ratio	Lower	Upper
122	100		
105	123.4	104.8	144.8
77	89.7	69.2	109.2



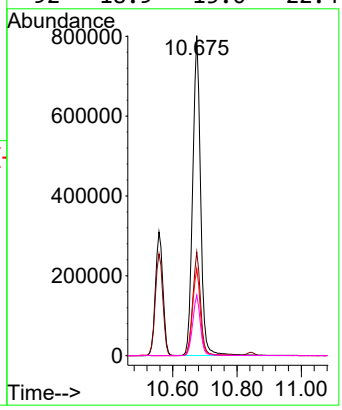


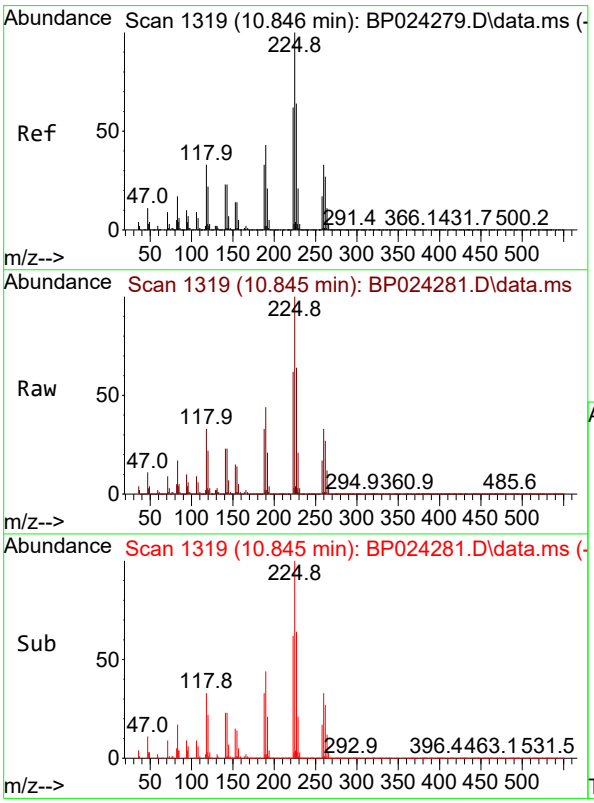
#33
4-Chloroaniline
Concen: 61.527 ng
RT: 10.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1372601

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.9	15.0	22.4

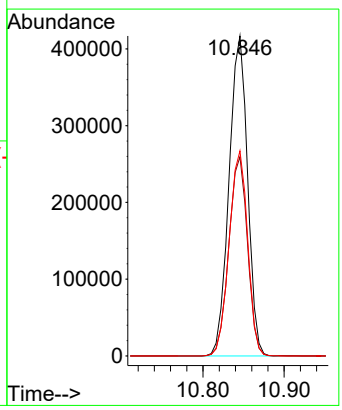


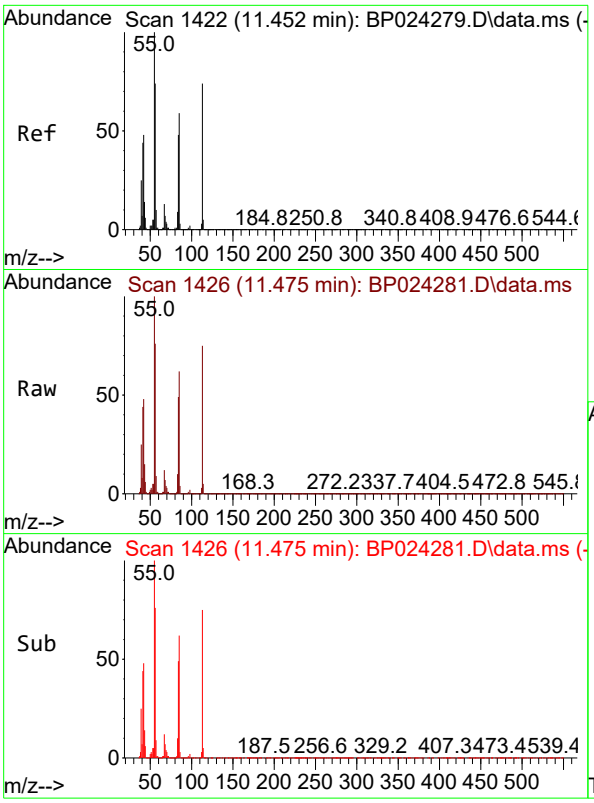


#34
Hexachlorobutadiene
Concen: 59.719 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:225 Resp: 660129

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.5	74.3
227	64.1	50.9	76.3



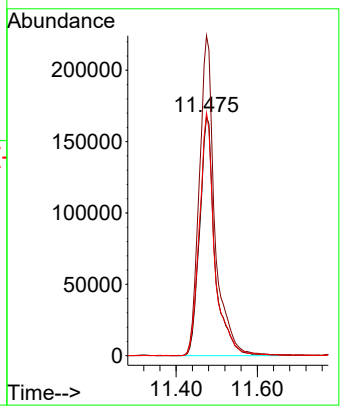


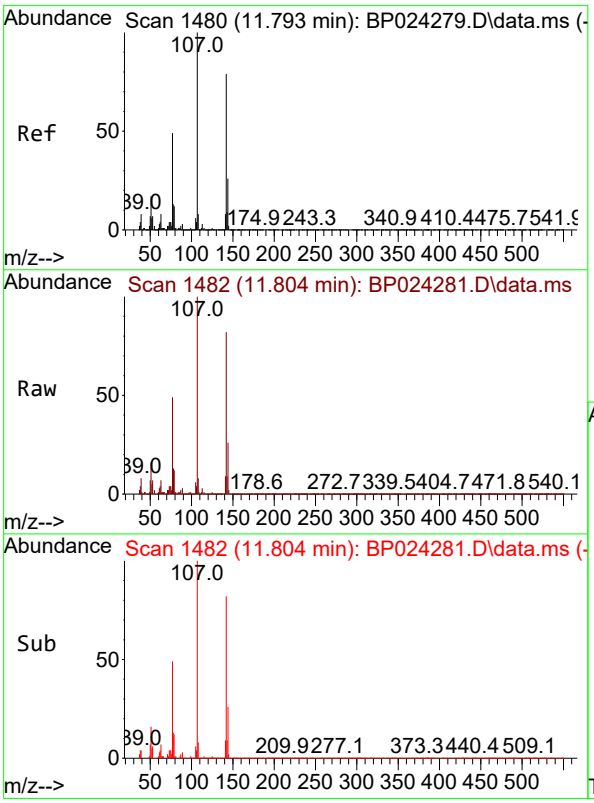
#35
Caprolactam
Concen: 68.445 ng
RT: 11.475 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 437691

Ion	Ratio	Lower	Upper
113	100		
55	134.0	115.9	155.9
56	101.6	81.1	121.1

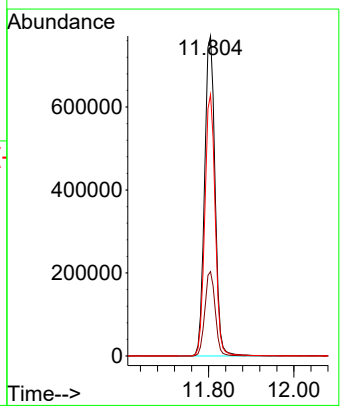


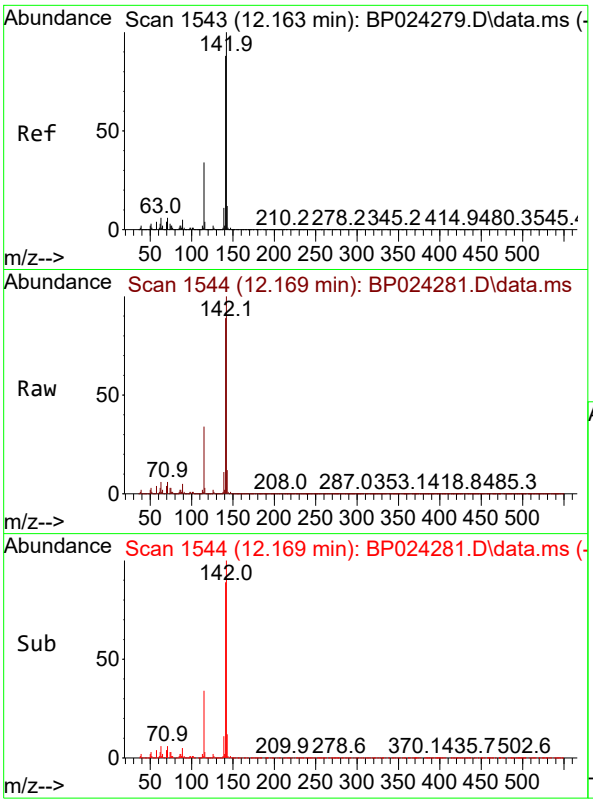


#36
4-Chloro-3-methylphenol
Concen: 64.762 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1314421

Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.5	30.7
142	81.7	63.4	95.2



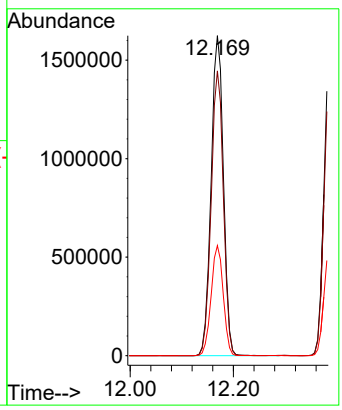


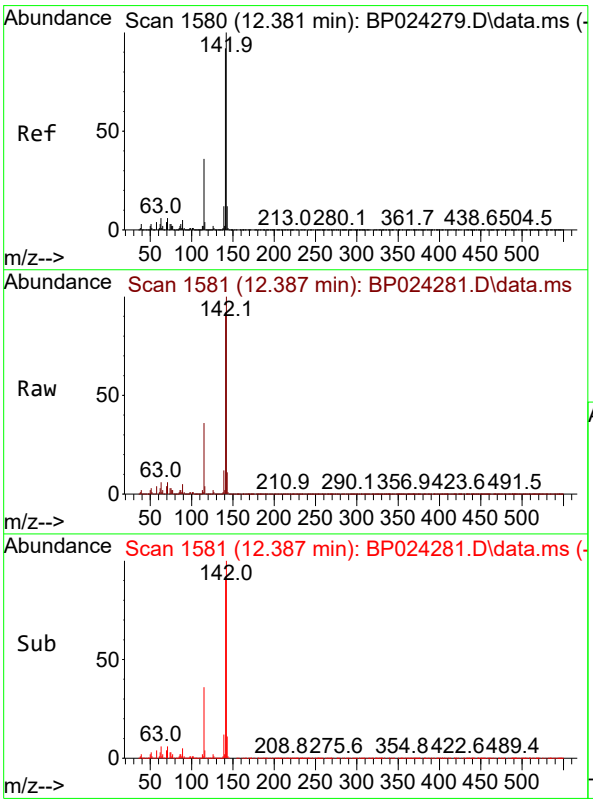
#37
2-Methylnaphthalene
Concen: 60.487 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2676555

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	34.4	26.9	40.3

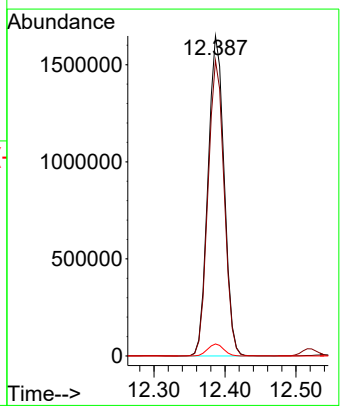


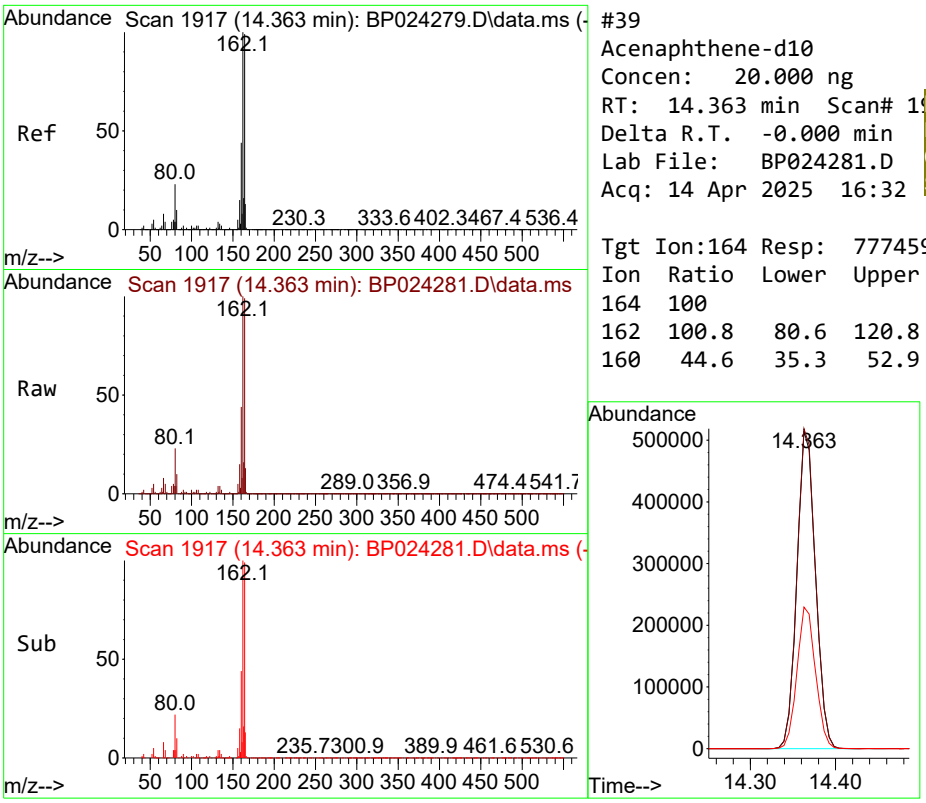


#38
1-Methylnaphthalene
Concen: 59.960 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:142 Resp: 2599119

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.6	110.4
116	3.7	3.0	4.6



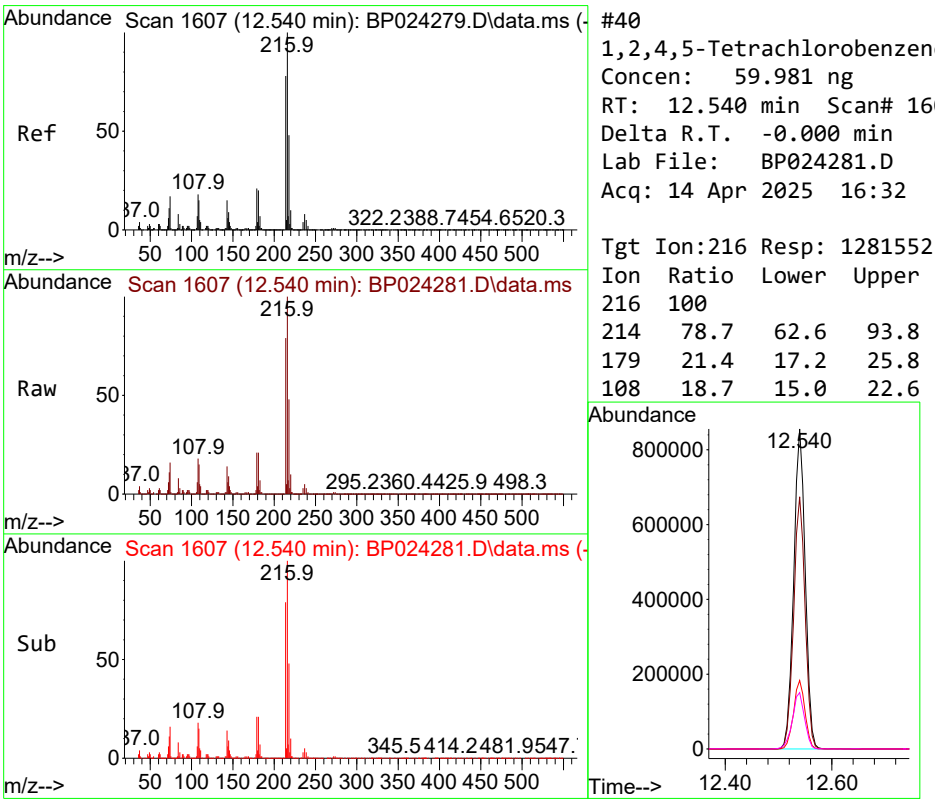


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 777459

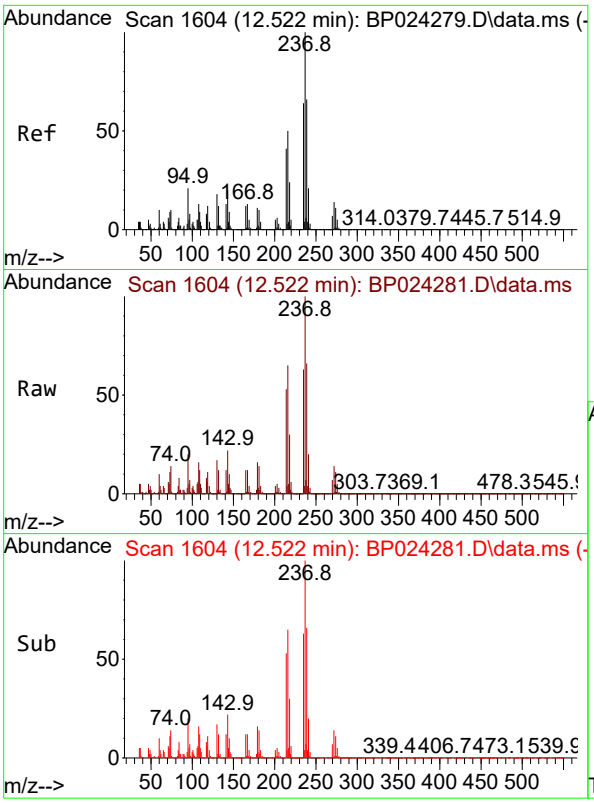
Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.6	35.3	52.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.981 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:216 Resp: 1281552

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	93.8
179	21.4	17.2	25.8
108	18.7	15.0	22.6

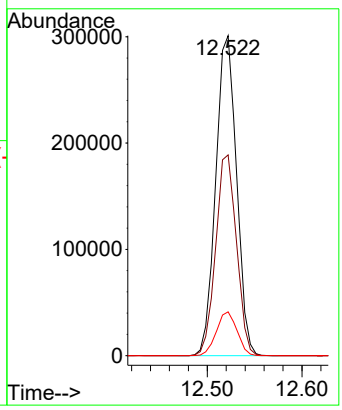


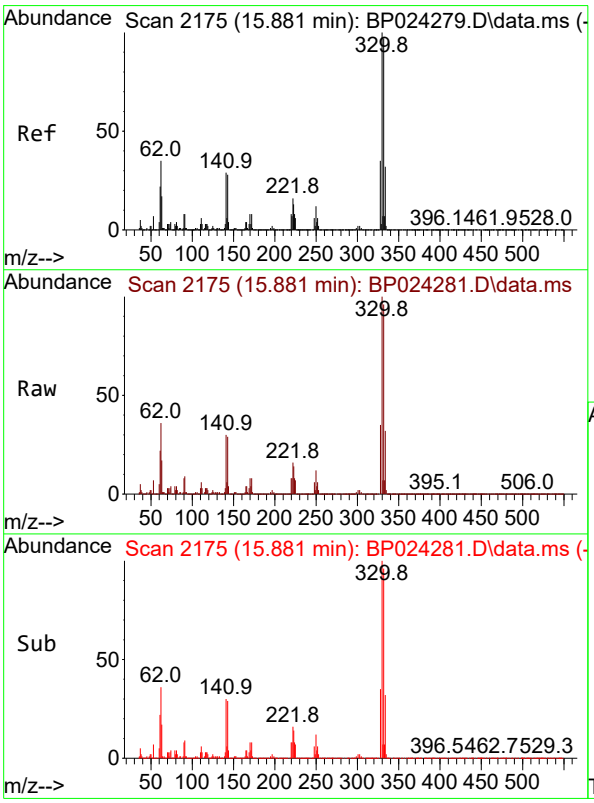
#41
Hexachlorocyclopentadiene
Concen: 61.257 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 459486

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.9	83.9
272	13.7	0.0	33.6

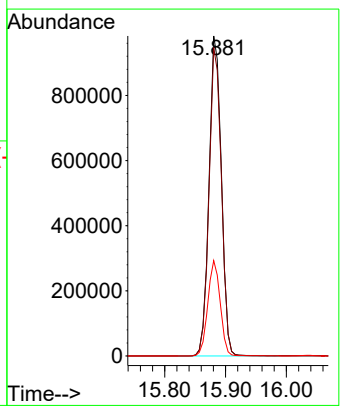


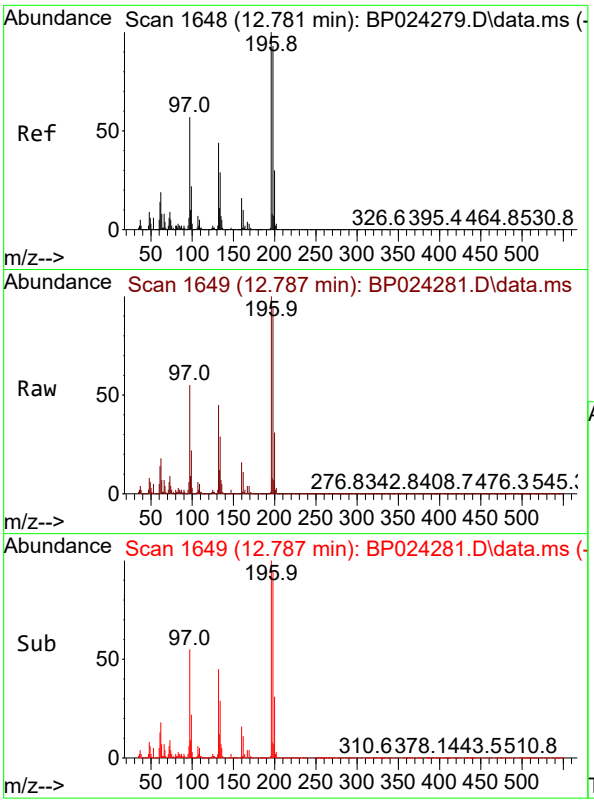


#42
2,4,6-Tribromophenol
Concen: 129.818 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:330 Resp: 1382037

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.0	24.7	37.1



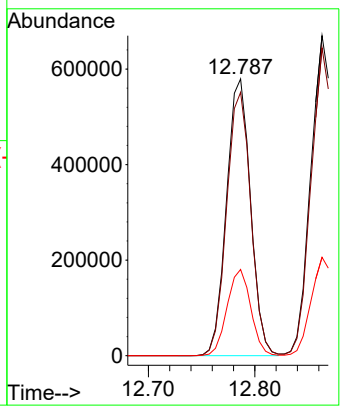


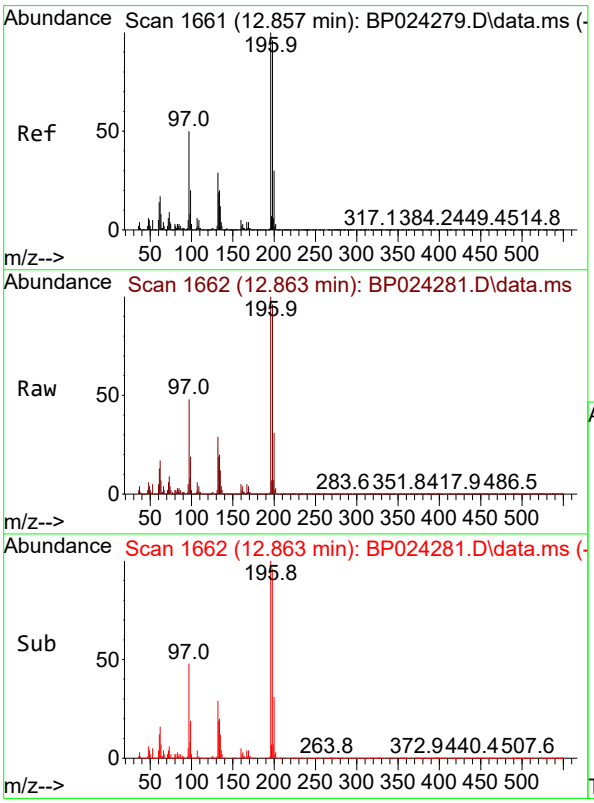
#43
2,4,6-Trichlorophenol
Concen: 64.732 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 909999

Ion	Ratio	Lower	Upper
196	100		
198	95.1	74.3	111.5
200	31.2	24.0	36.0

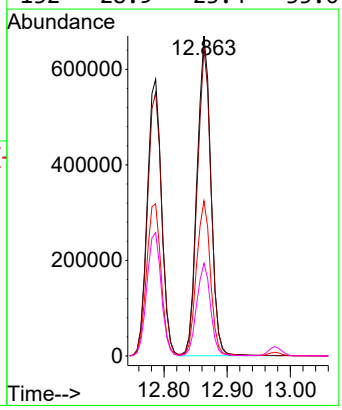


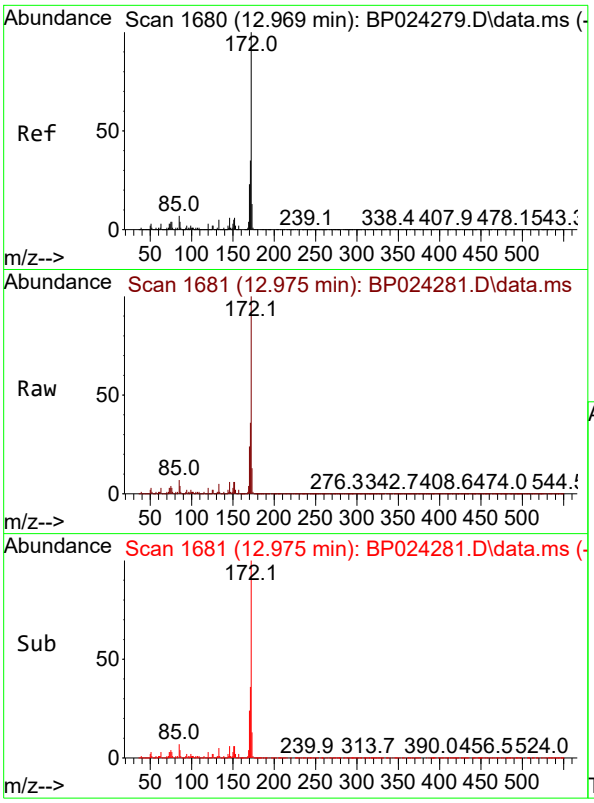


#44
2,4,5-Trichlorophenol
Concen: 65.306 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:196 Resp: 1017414

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.3	115.9
97	48.5	40.4	60.6
132	28.9	23.4	35.0



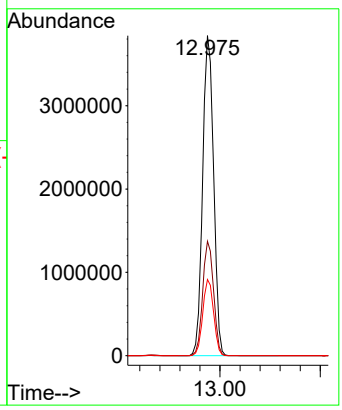


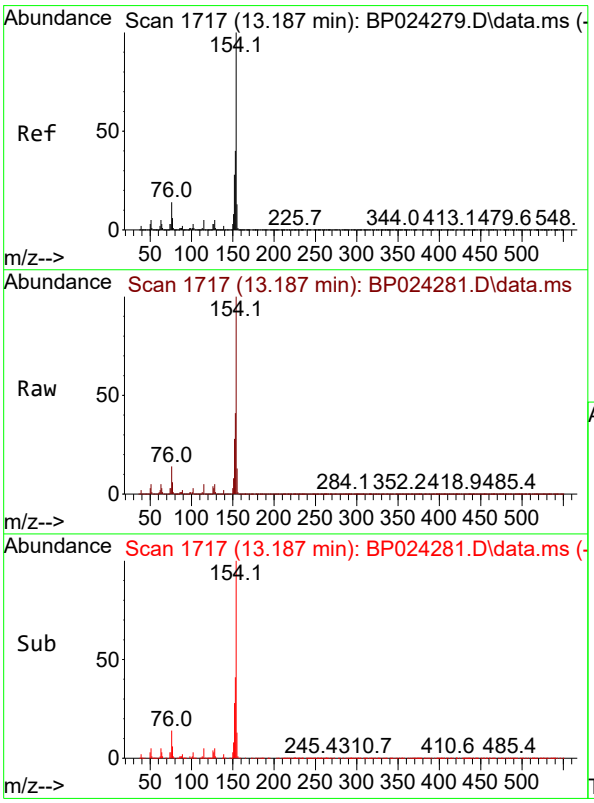
#45
2-Fluorobiphenyl
Concen: 113.964 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5835791

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.8	18.6	27.8

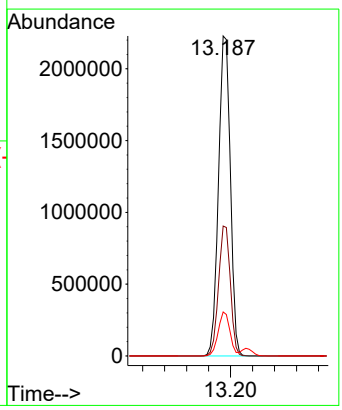


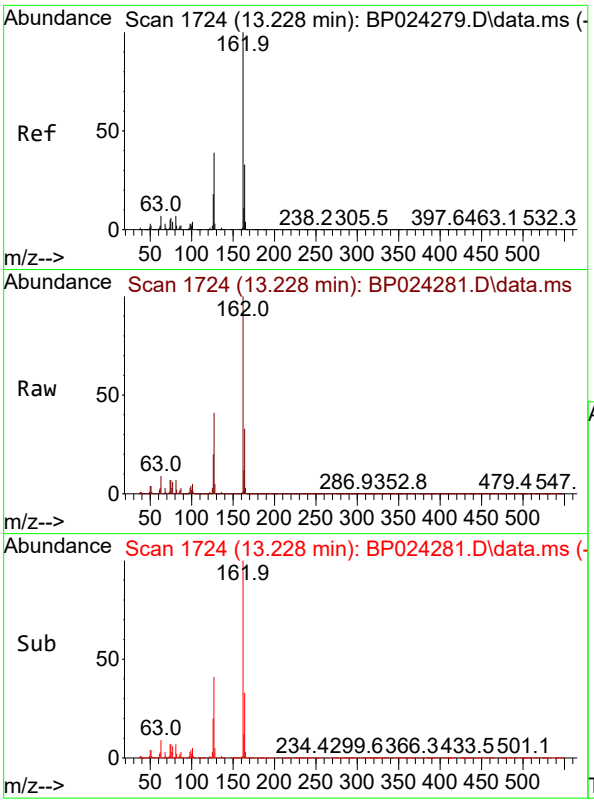


#46
1,1'-Biphenyl
Concen: 58.001 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 3330176

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.8	0.0	33.5



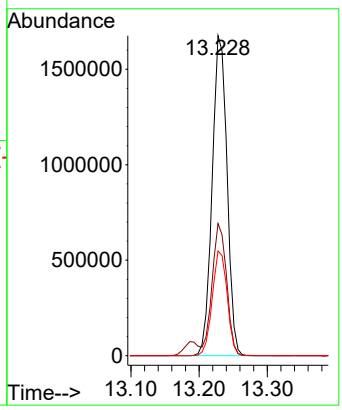


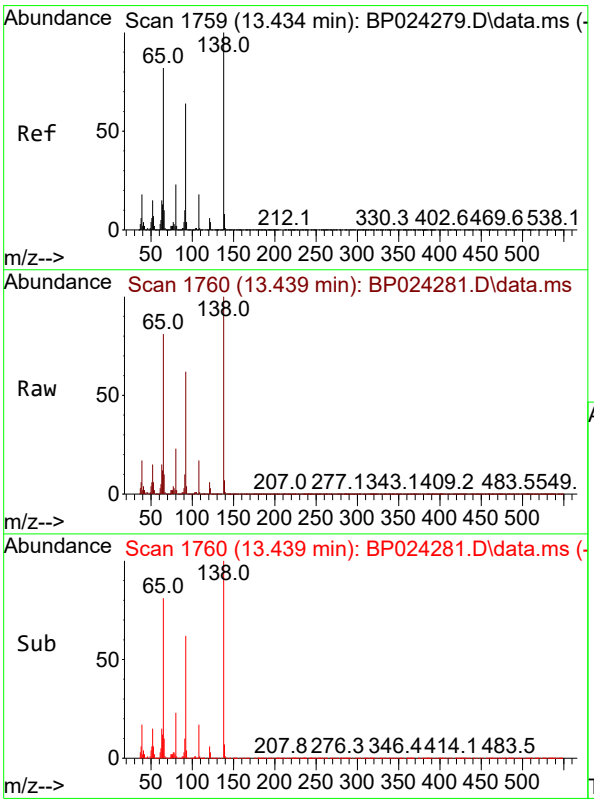
#47
2-Chloronaphthalene
Concen: 59.336 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2542212

Ion	Ratio	Lower	Upper
162	100		
127	41.3	31.9	47.9
164	32.8	26.2	39.4

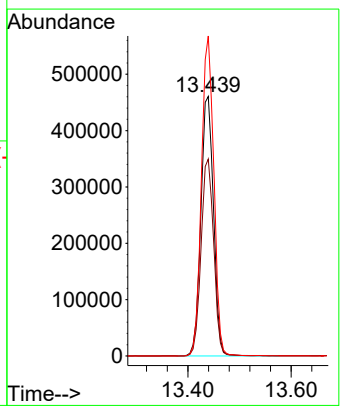


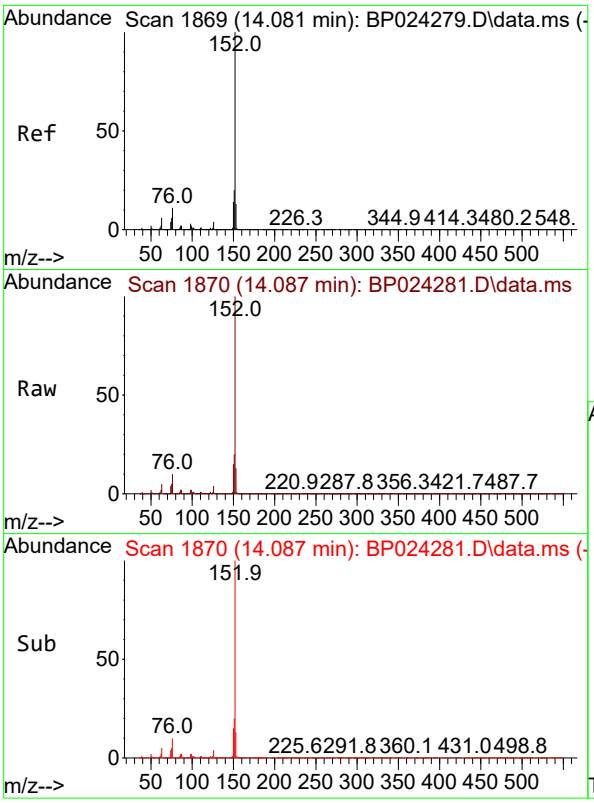


#48
2-Nitroaniline
Concen: 66.042 ng
RT: 13.439 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 65 Resp: 781584

Ion	Ratio	Lower	Upper
65	100		
92	75.9	62.3	93.5
138	123.3	97.2	145.8



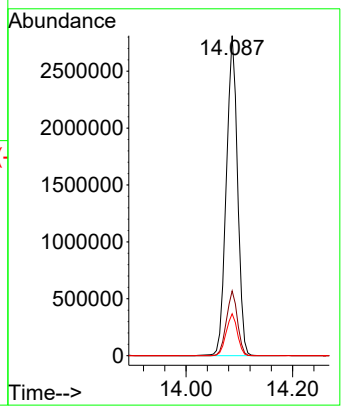


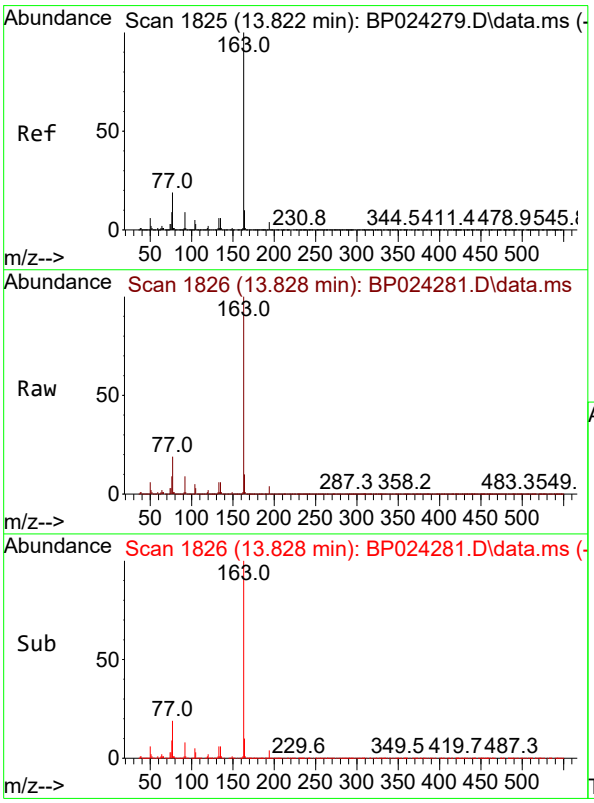
#49
Acenaphthylene
Concen: 61.143 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 4111553

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.1	10.6	15.8

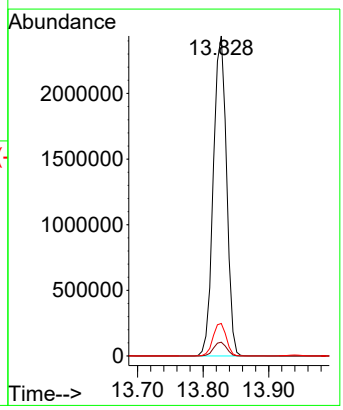


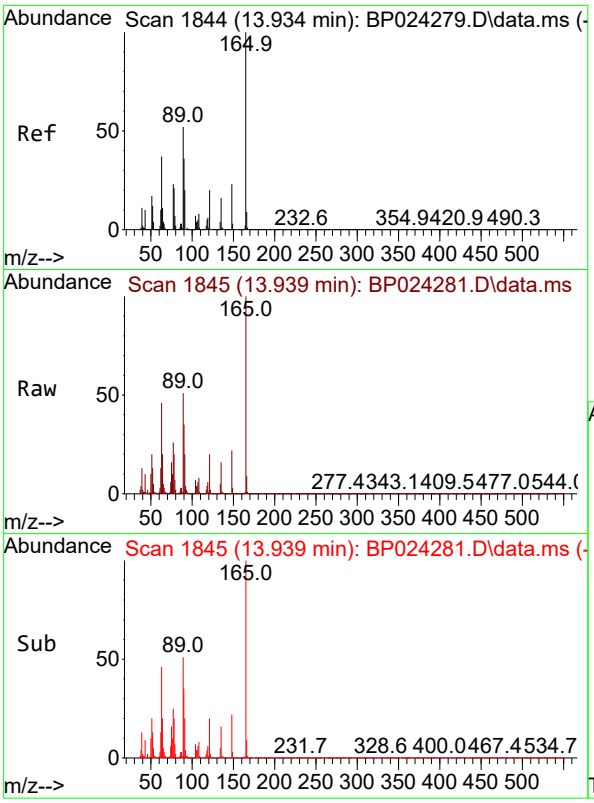


#50
Dimethylphthalate
Concen: 60.022 ng
RT: 13.828 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:163 Resp: 3404463

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.0	12.0



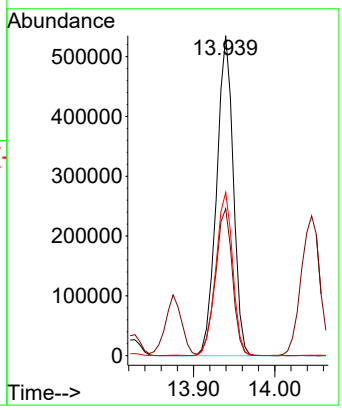


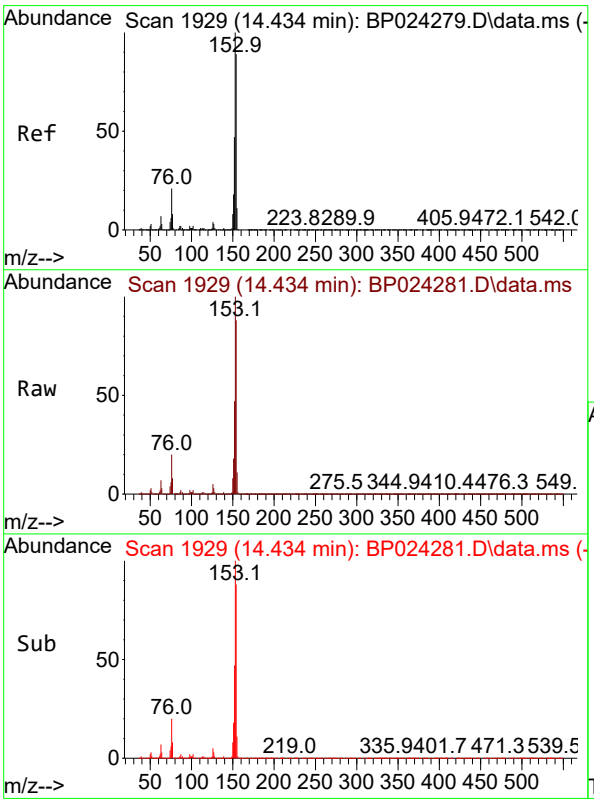
#51
2,6-Dinitrotoluene
Concen: 63.998 ng
RT: 13.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 764810

Ion	Ratio	Lower	Upper
165	100		
63	45.9	38.0	57.0
89	51.1	41.7	62.5

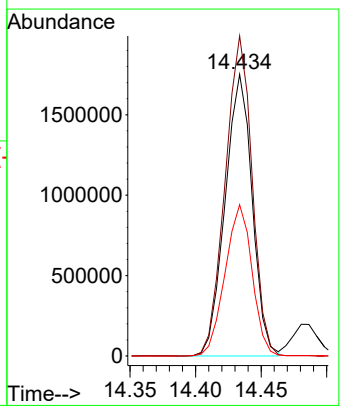


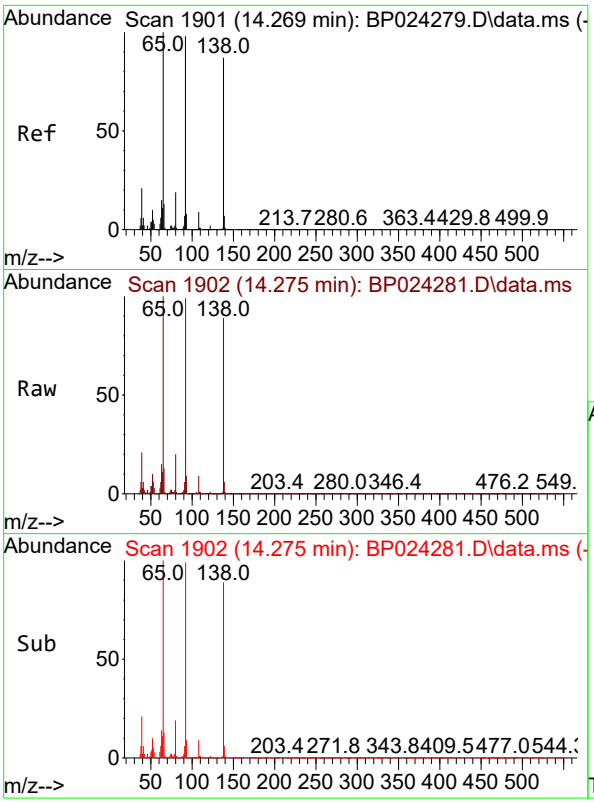


#52
Acenaphthene
Concen: 58.858 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 2516981

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.8	134.6
152	53.7	42.6	63.8



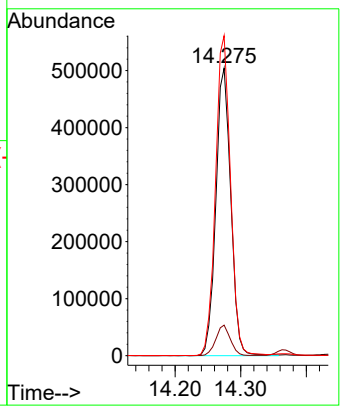


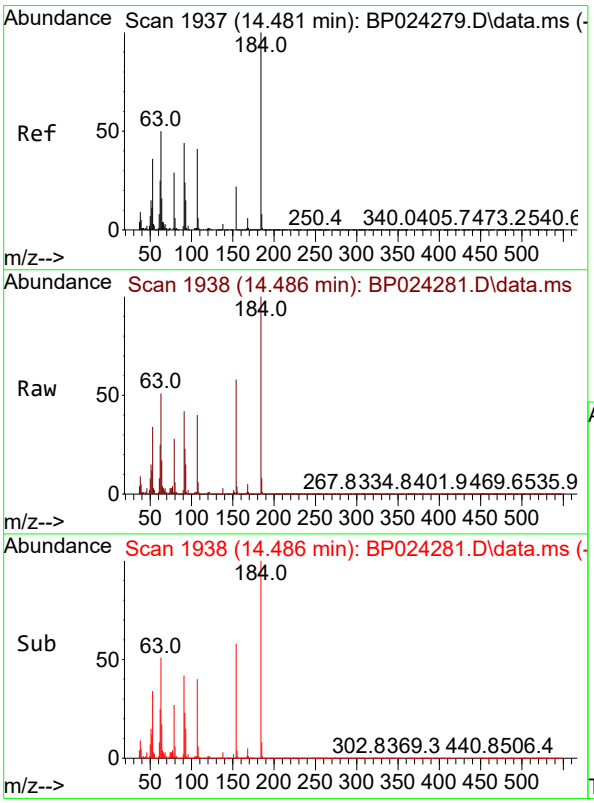
#53
3-Nitroaniline
Concen: 64.022 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 793796

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	111.3	89.8	134.8

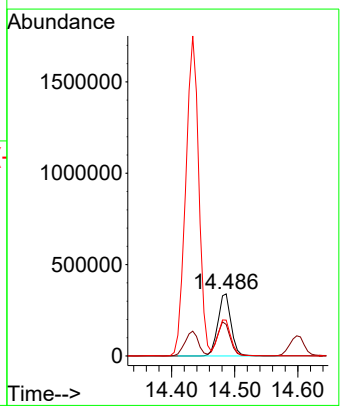


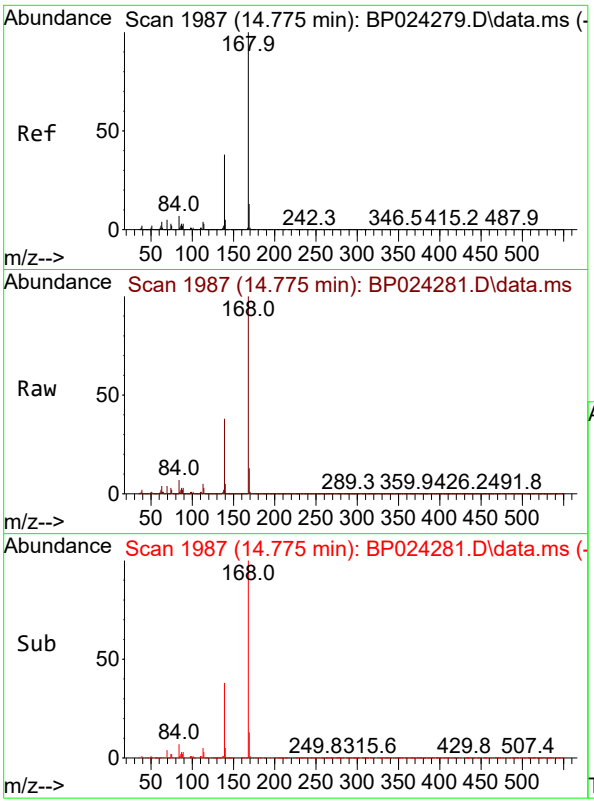


#54
2,4-Dinitrophenol
Concen: 76.655 ng
RT: 14.486 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 490497

Ion	Ratio	Lower	Upper
184	100		
63	50.8	42.6	64.0
154	57.7	47.2	70.8



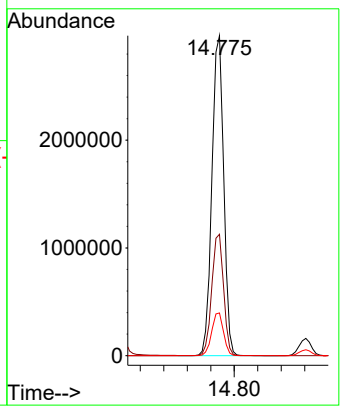


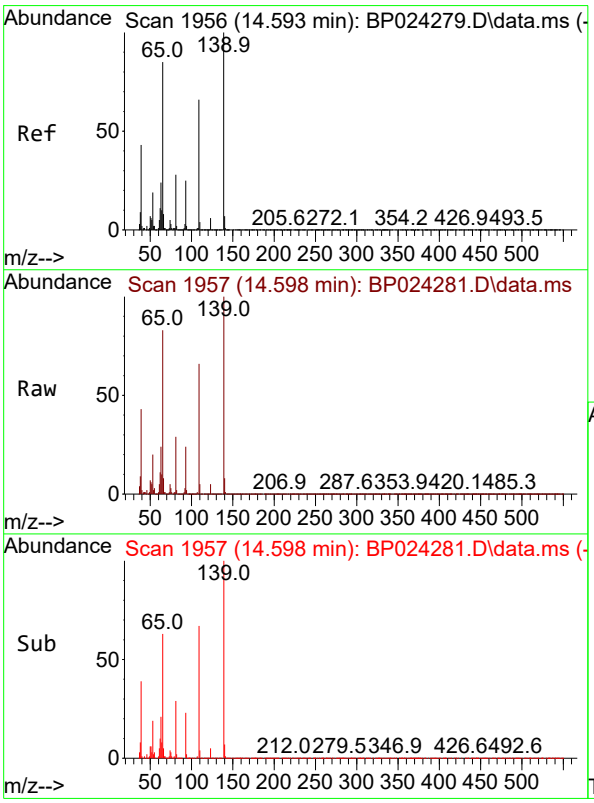
#55
Dibenzofuran
Concen: 58.810 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 4124640

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

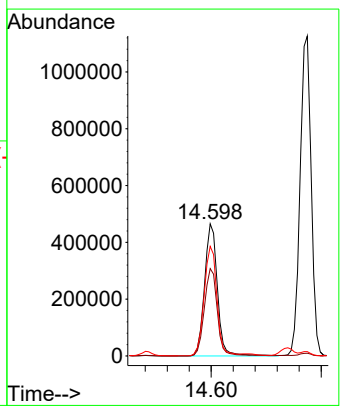


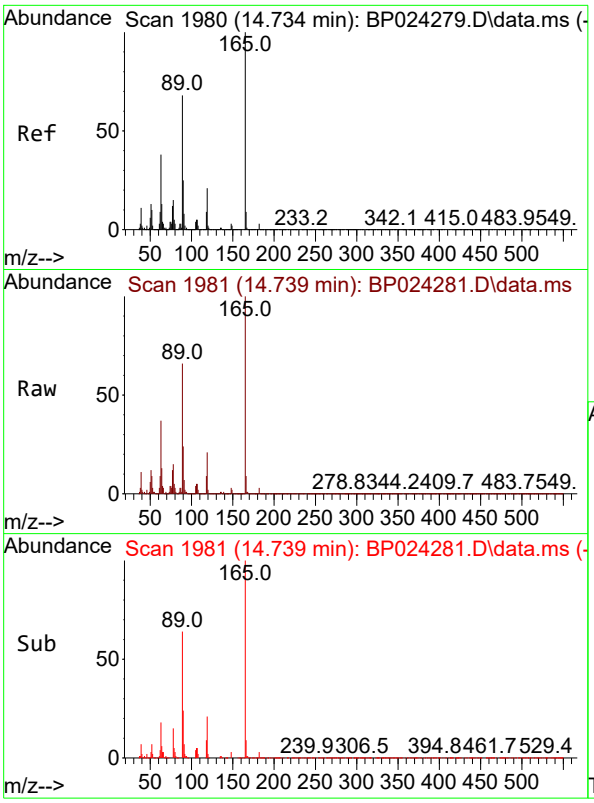


#56
4-Nitrophenol
Concen: 70.748 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 754038

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	82.9	65.0	105.0



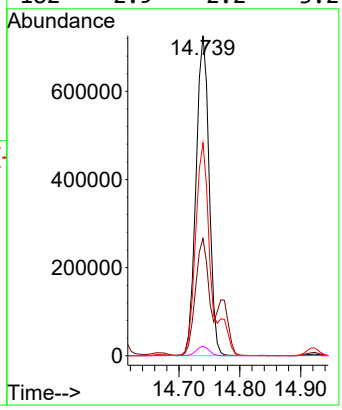


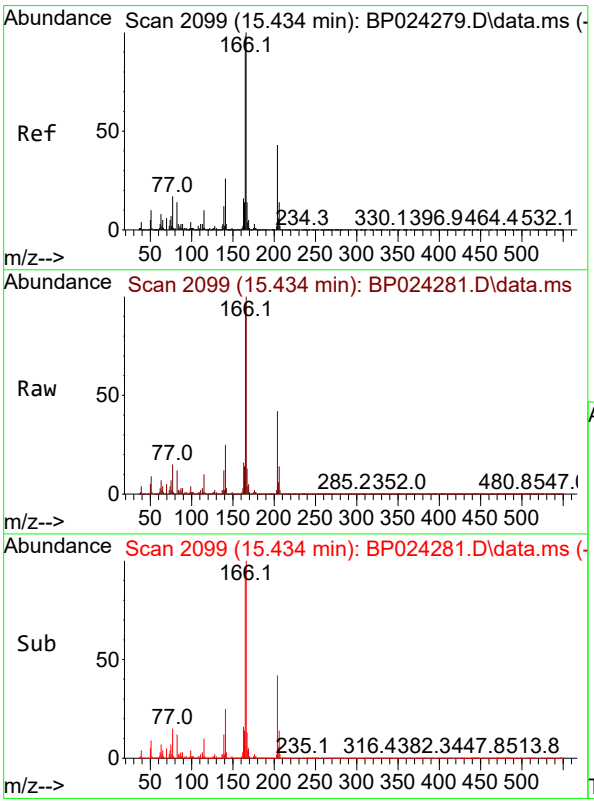
#57
2,4-Dinitrotoluene
Concen: 66.836 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 1079633

Ion	Ratio	Lower	Upper
165	100		
63	36.6	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

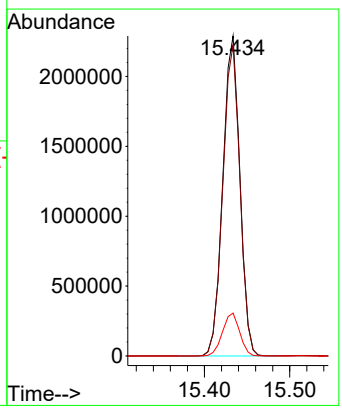


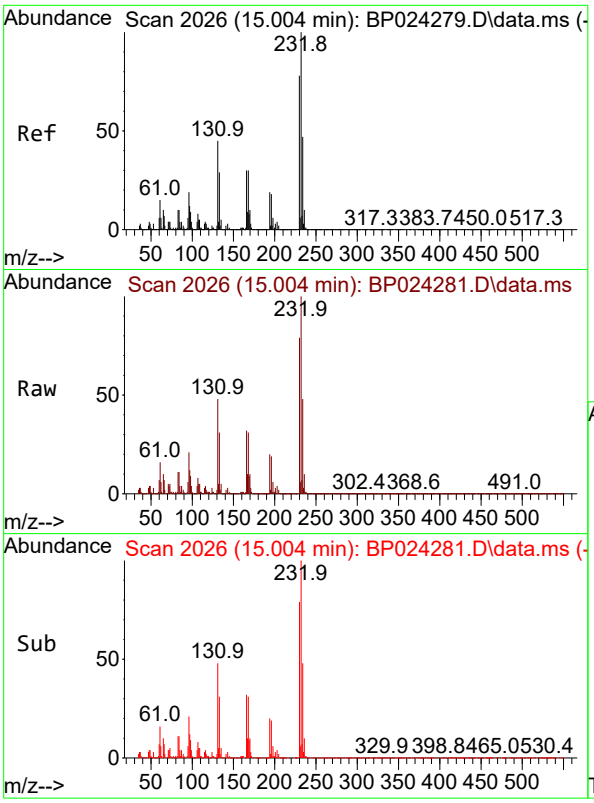


#58
Fluorene
Concen: 58.817 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:166 Resp: 3184960

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



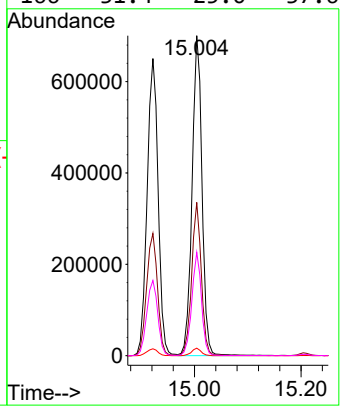


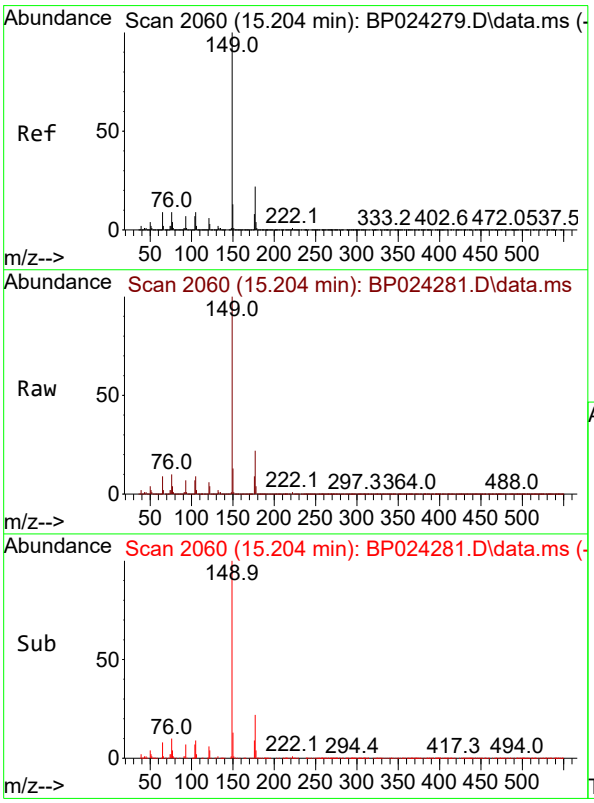
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.097 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 909497

Ion	Ratio	Lower	Upper
232	100		
131	46.4	36.8	55.2
130	2.3	1.9	2.9
166	31.4	25.0	37.6

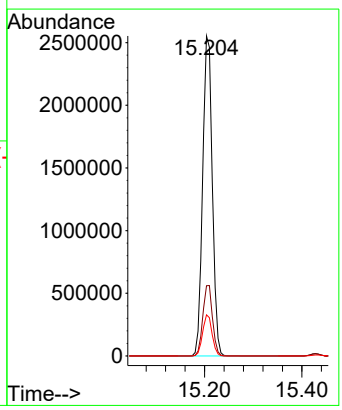


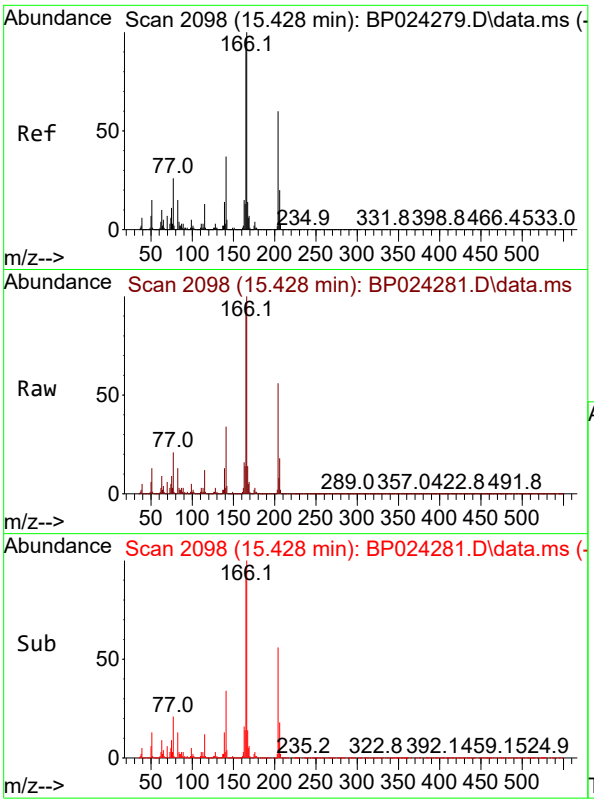


#60
Diethylphthalate
Concen: 59.879 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 3495577

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.9	10.1	15.1



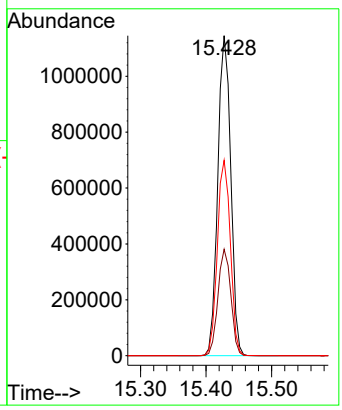


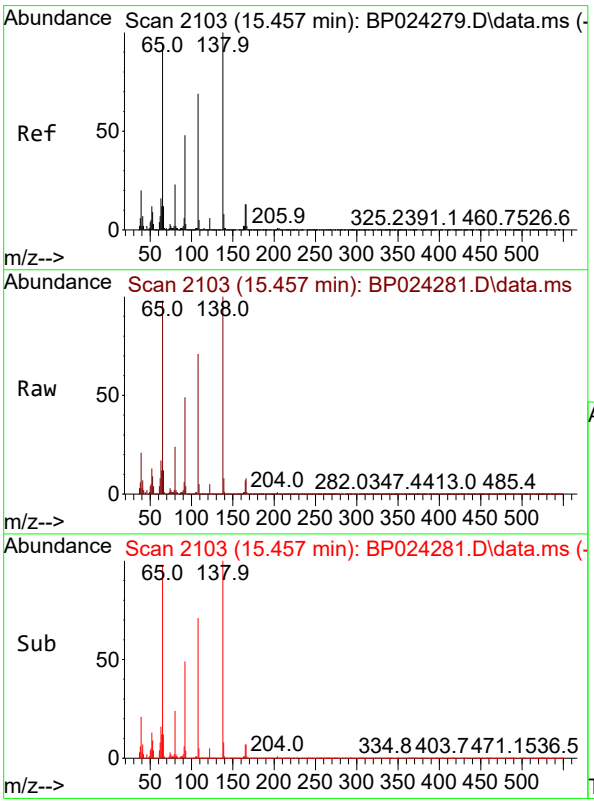
#61
4-Chlorophenyl-phenylether
Concen: 59.442 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1563042

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.1	49.4	74.0

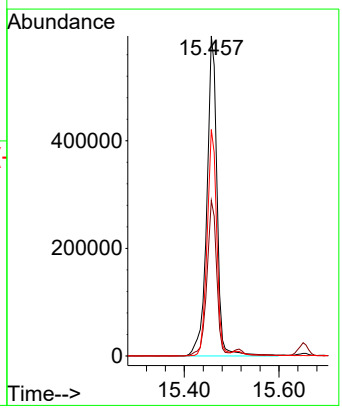


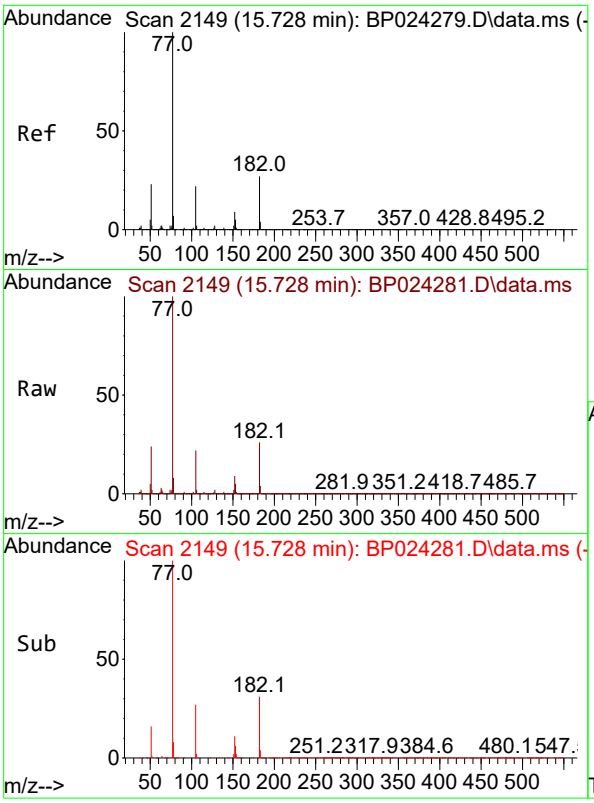


#62
4-Nitroaniline
Concen: 67.414 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:138 Resp: 886163

Ion	Ratio	Lower	Upper
138	100		
92	48.6	27.8	67.8
108	70.7	48.9	88.9



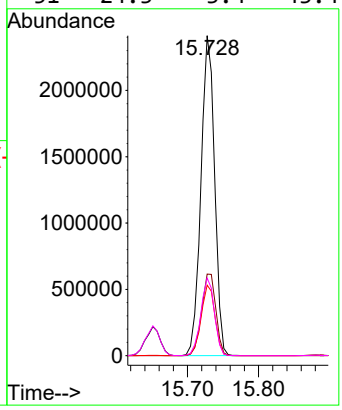


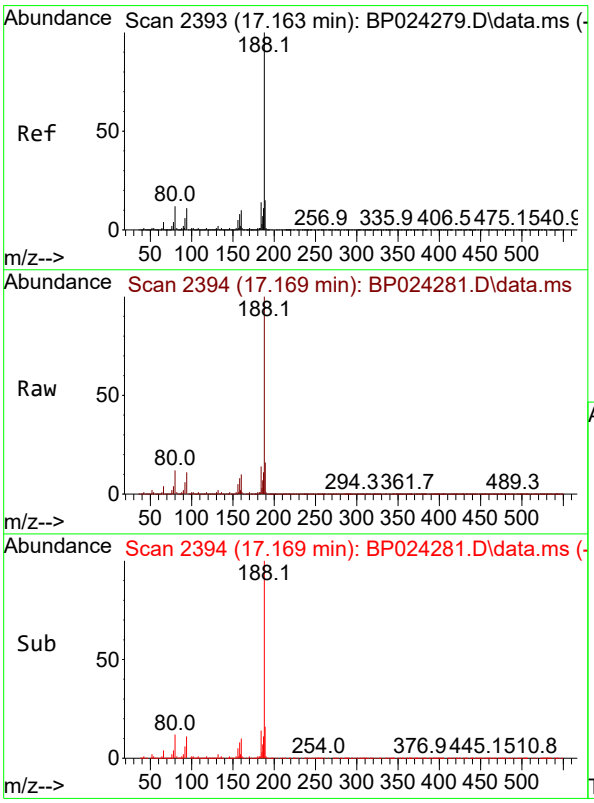
#63
Azobenzene
Concen: 60.070 ng
RT: 15.728 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 3229873

Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.3	47.3
105	22.1	2.3	42.3
51	24.3	3.4	43.4

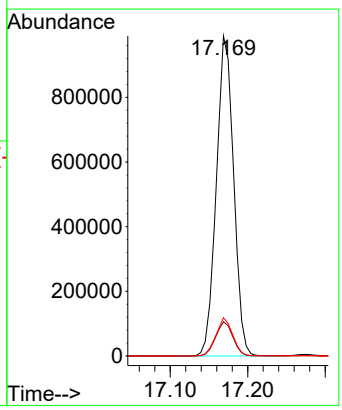


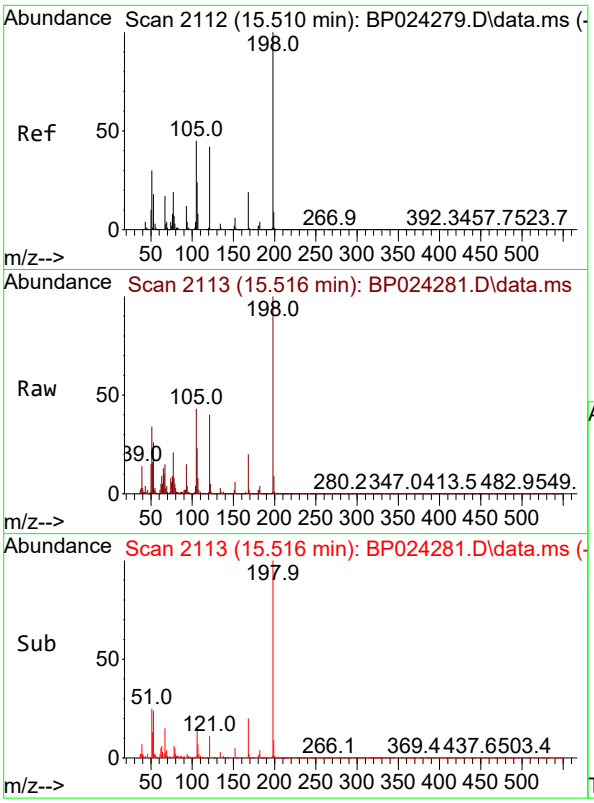


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:188 Resp: 1536805

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.6	13.0
80	12.0	9.8	14.6



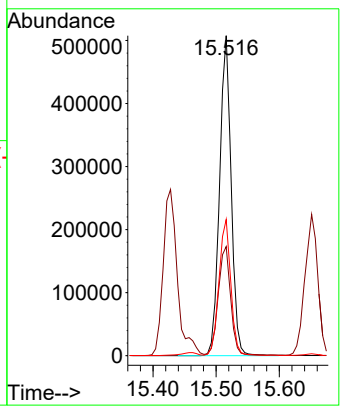


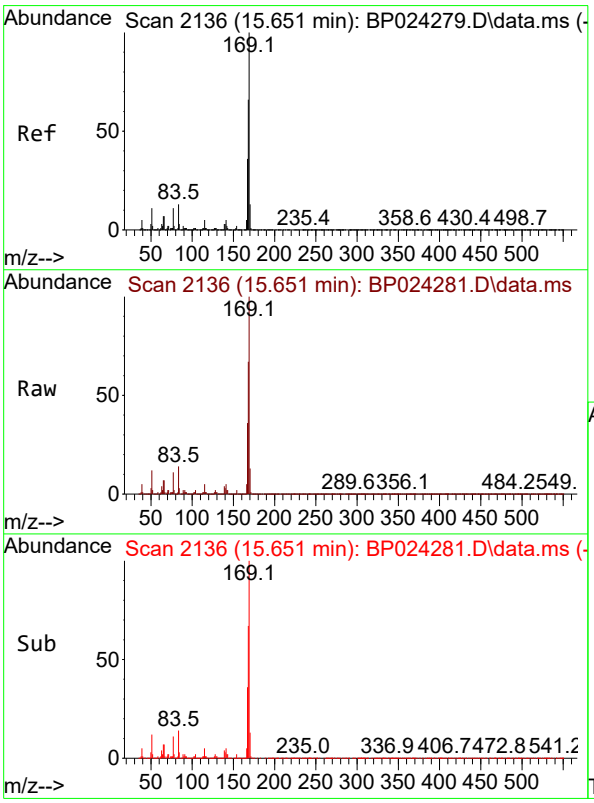
#65
4,6-Dinitro-2-methylphenol
Concen: 72.083 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 647253

Ion	Ratio	Lower	Upper
198	100		
51	34.1	18.4	58.4
105	42.6	26.5	66.5

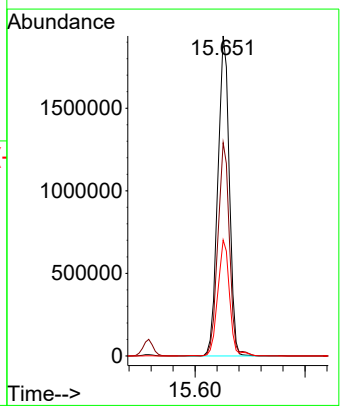


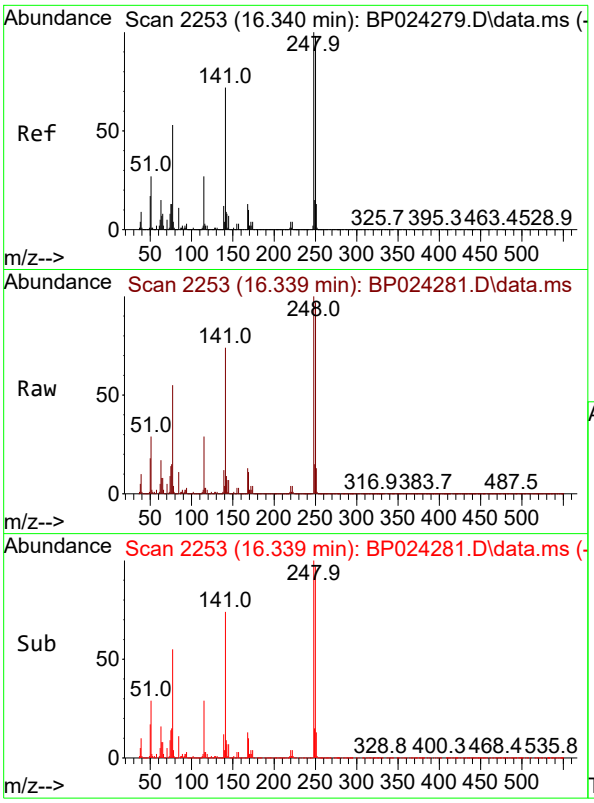


#66
n-Nitrosodiphenylamine
Concen: 60.874 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:169 Resp: 2805137

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.3	28.9	43.3



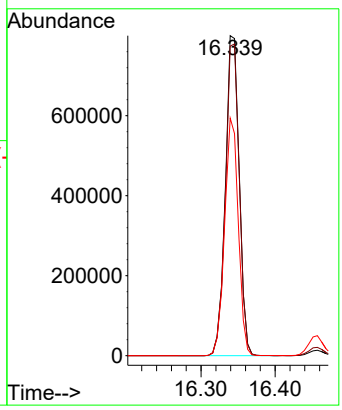


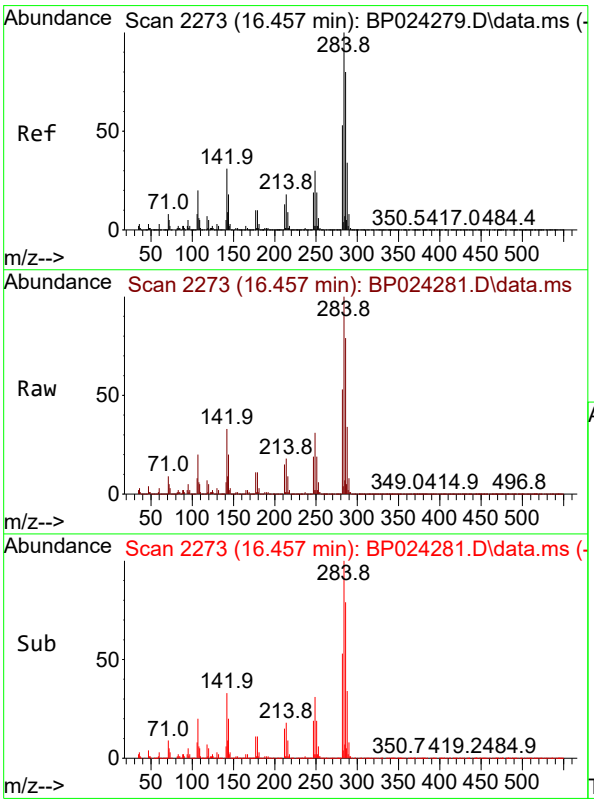
#67
4-Bromophenyl-phenylether
Concen: 61.926 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 1038071

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.2	117.4
141	74.2	57.7	86.5

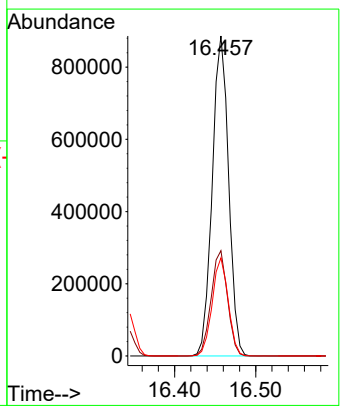


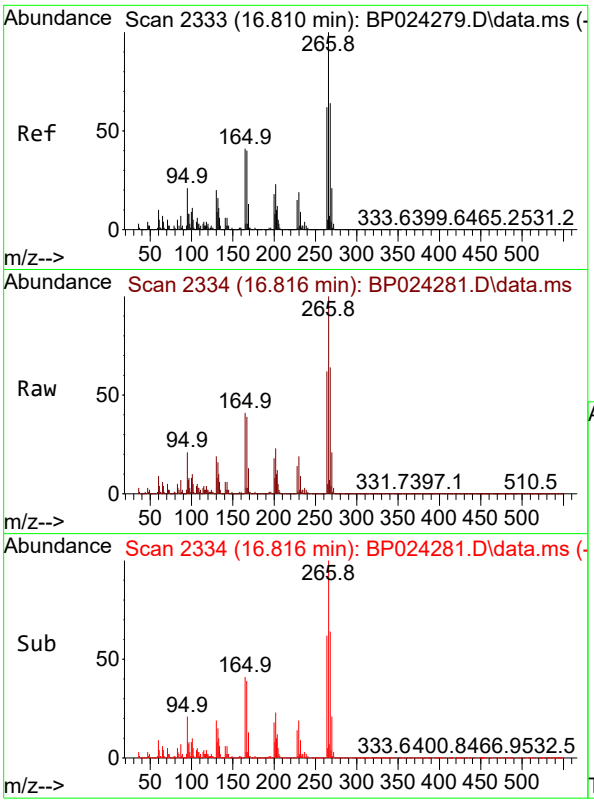


#68
Hexachlorobenzene
Concen: 62.200 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:284 Resp: 1239550

Ion	Ratio	Lower	Upper
284	100		
142	32.9	24.6	37.0
249	30.7	23.8	35.6



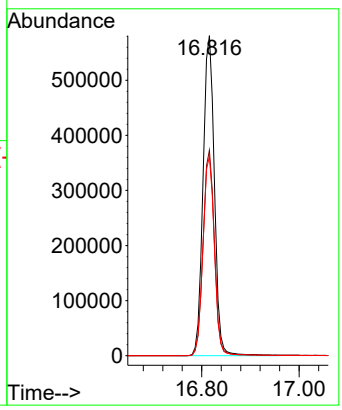


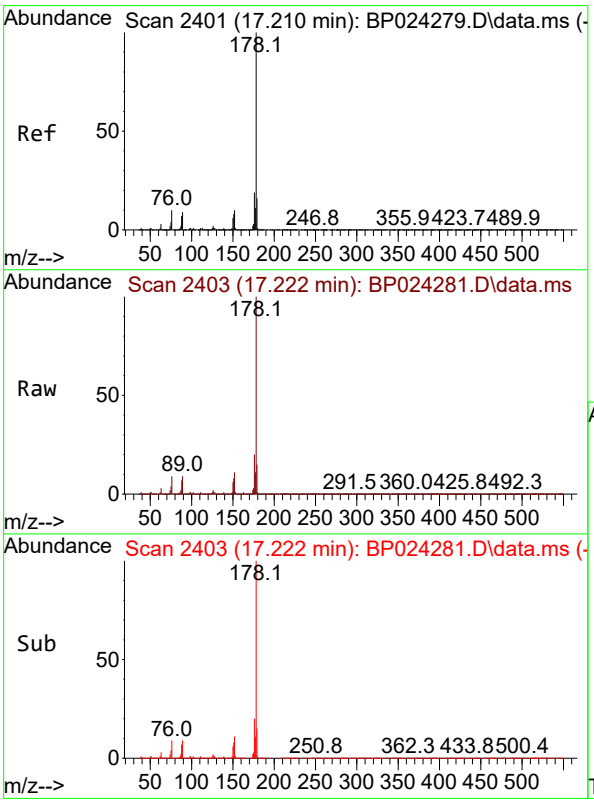
#70
Pentachlorophenol
Concen: 68.445 ng
RT: 16.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 936562

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.3	49.8	74.6

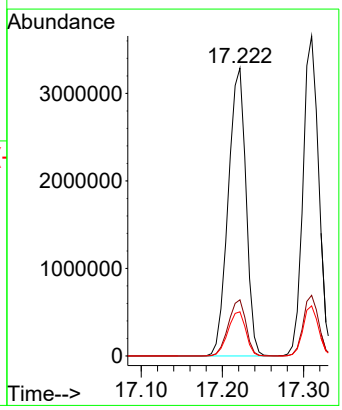


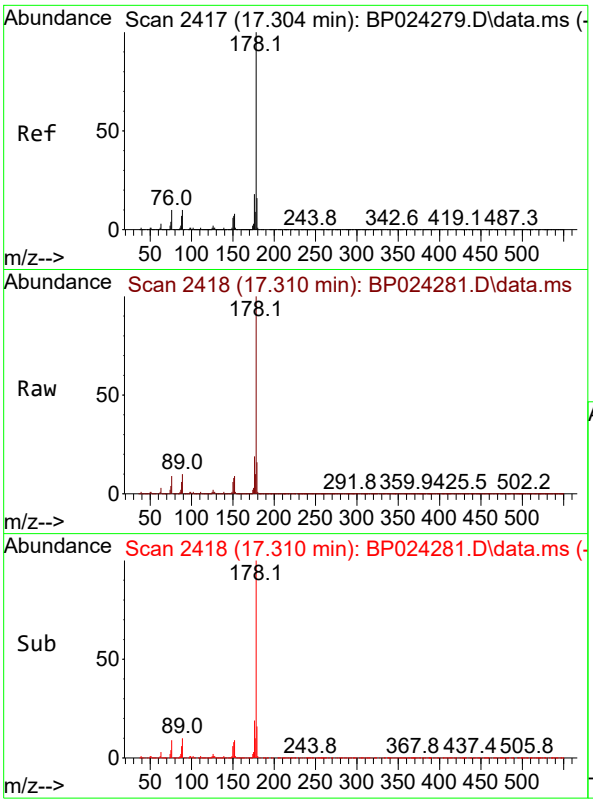


#71
Phenanthrene
Concen: 59.209 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:178 Resp: 4988840

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.5	18.7



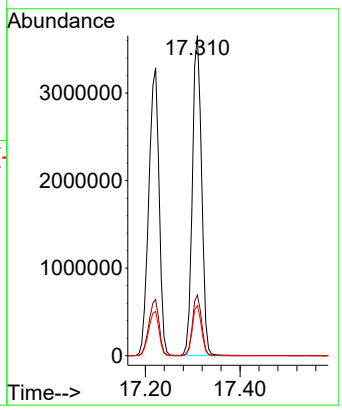


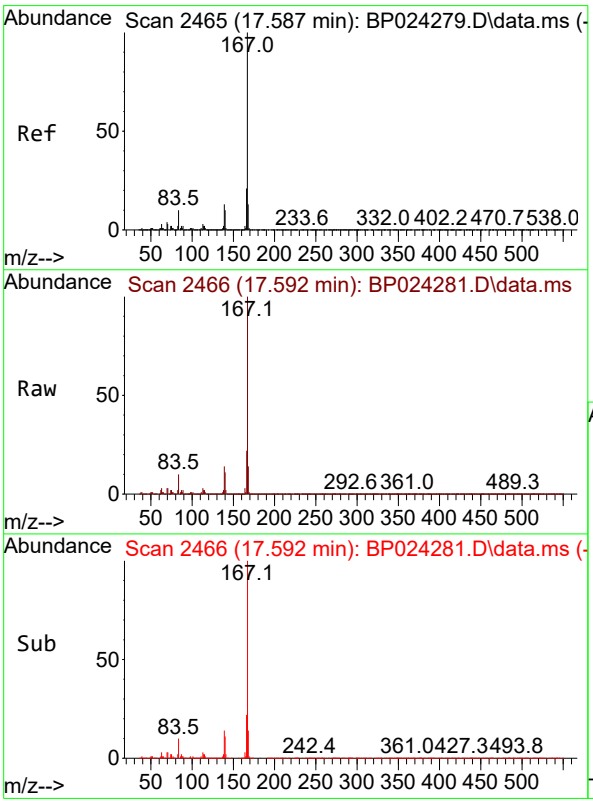
#72
Anthracene
Concen: 60.907 ng
RT: 17.310 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4938117

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.4	18.6

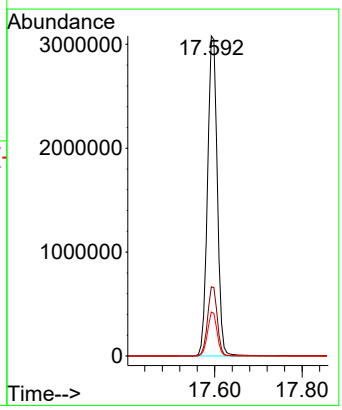


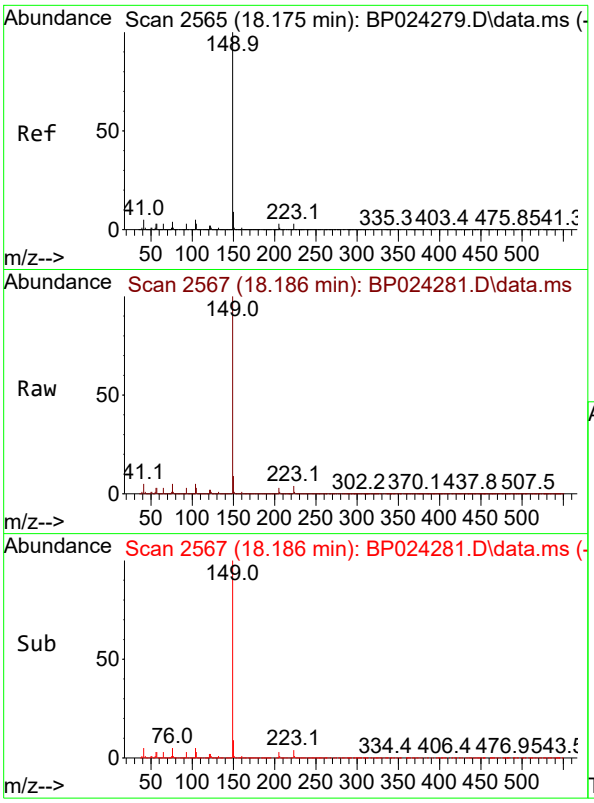


#73
Carbazole
Concen: 60.584 ng
RT: 17.592 min Scan# 2466
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:167 Resp: 4780408

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.7	10.6	16.0



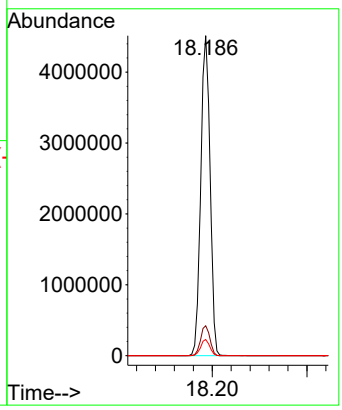


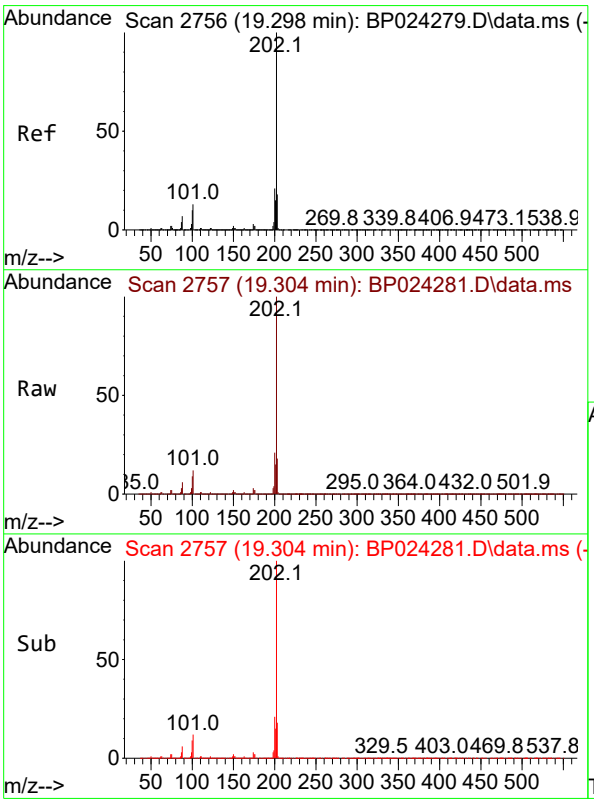
#74
Di-n-butylphthalate
Concen: 62.730 ng
RT: 18.186 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 6167206

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9

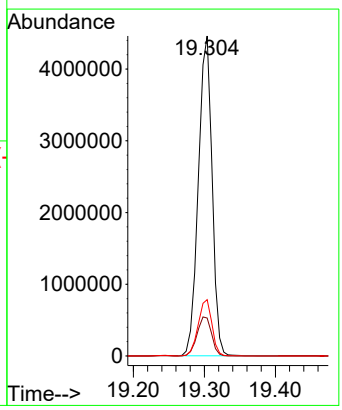


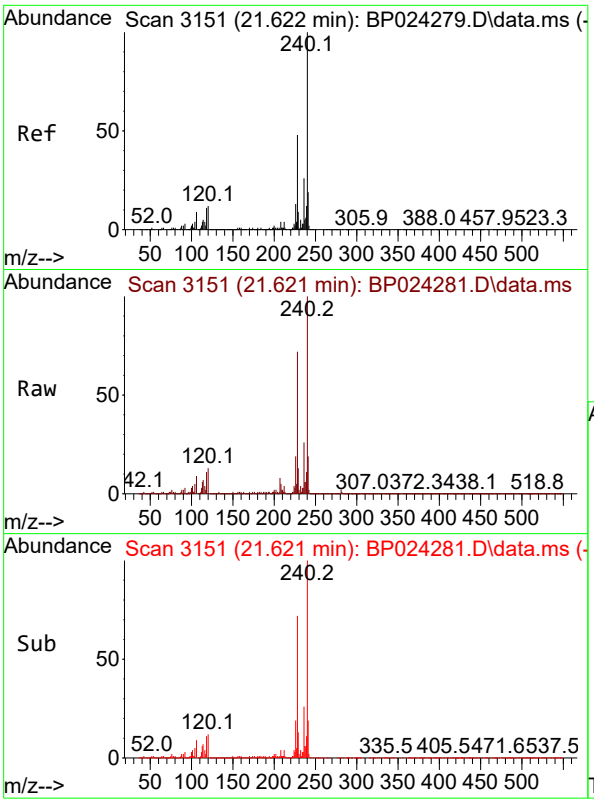


#75
Fluoranthene
Concen: 60.092 ng
RT: 19.304 min Scan# 2757
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:202 Resp: 6009748

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.6	0.0	37.7



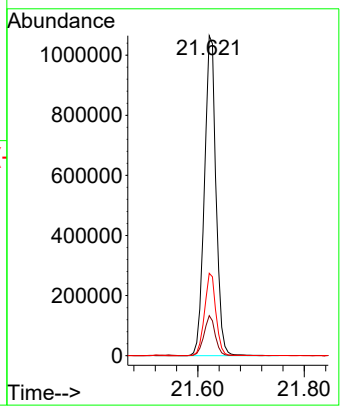


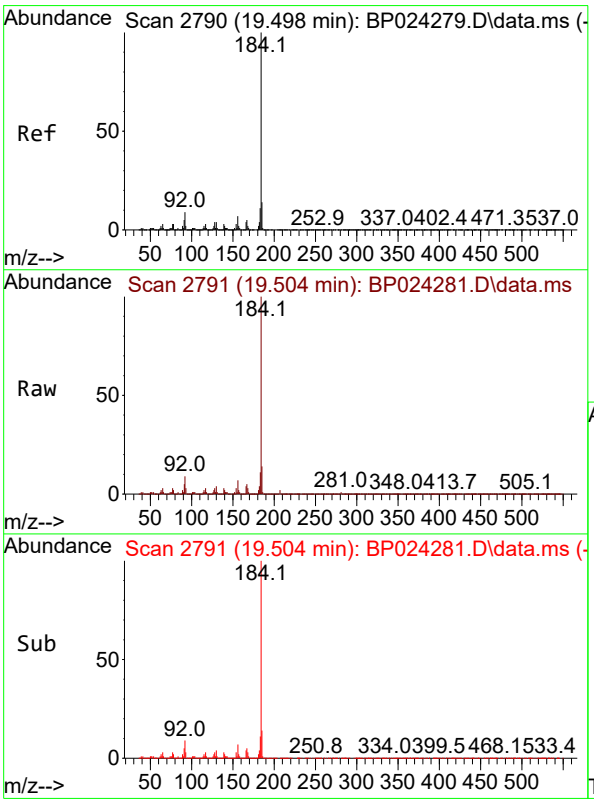
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 1596148

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.8	14.8
236	25.8	20.9	31.3

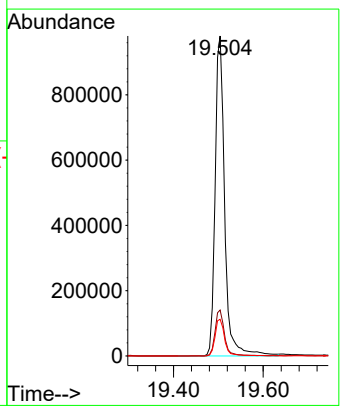


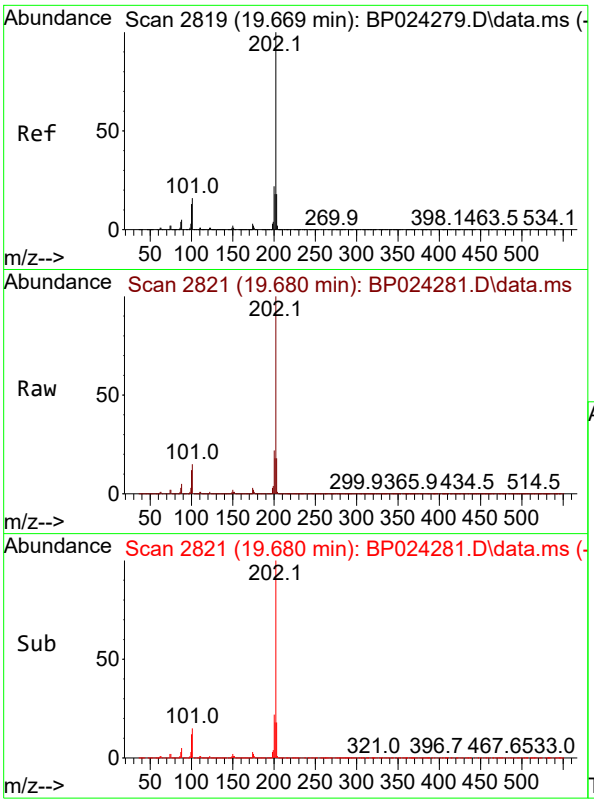


#77
Benzidine
Concen: 73.401 ng
RT: 19.504 min Scan# 2791
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 1446166

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.5	9.2	13.8



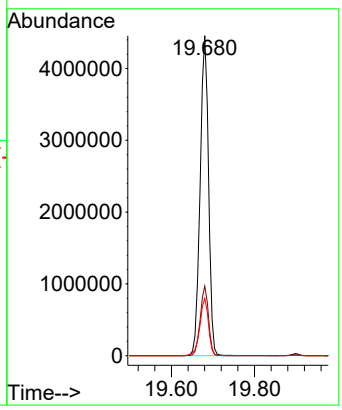


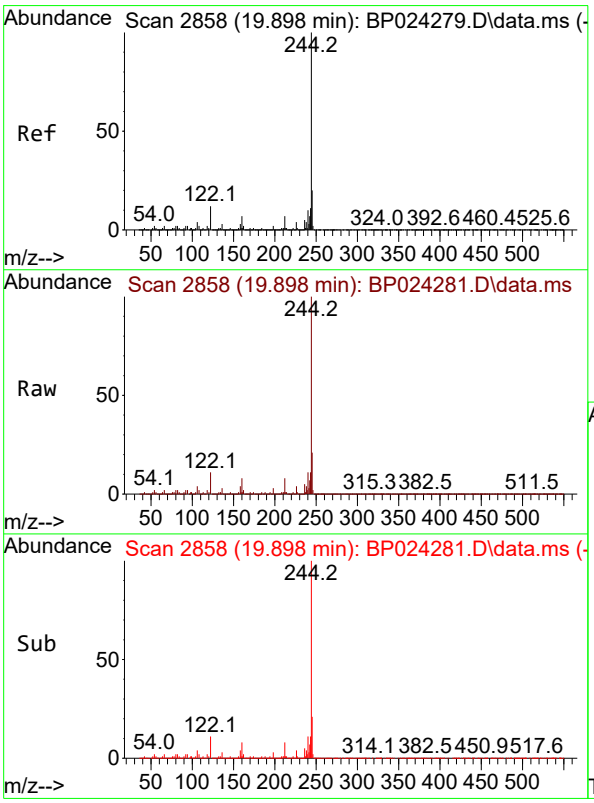
#78
Pyrene
Concen: 61.204 ng
RT: 19.680 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 6250781

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.9	14.4	21.6

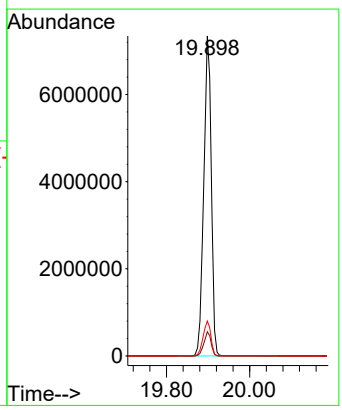


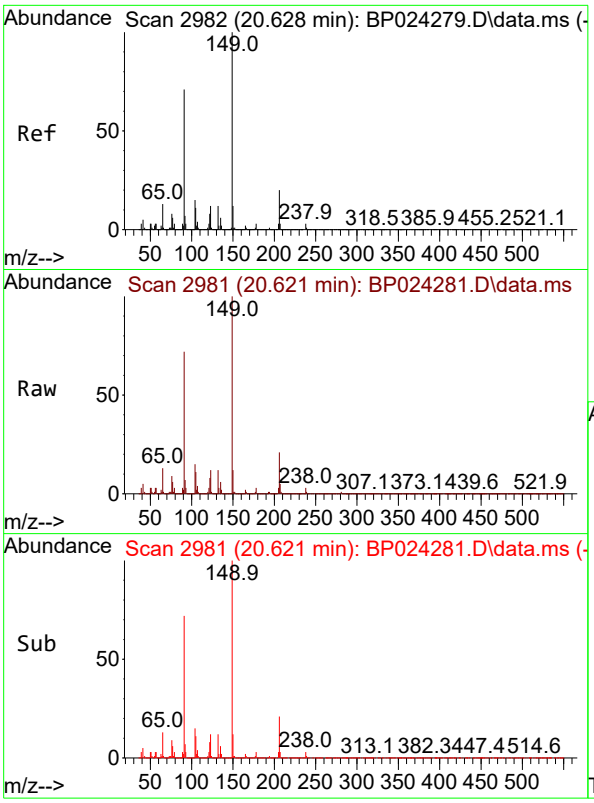


#79
Terphenyl-d14
Concen: 115.262 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:244 Resp: 9228969

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.6	8.4
122	10.9	9.4	14.0



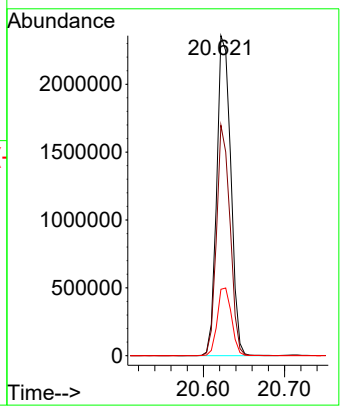


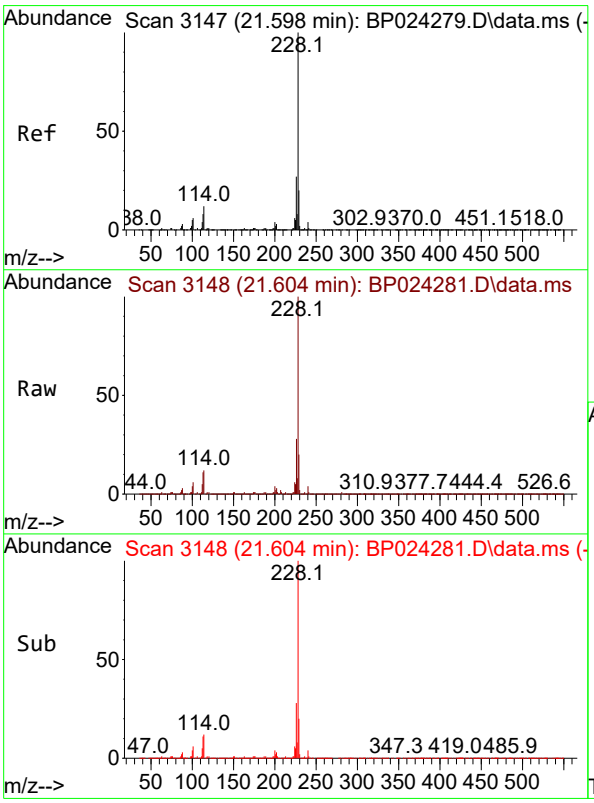
#80
Butylbenzylphthalate
Concen: 65.961 ng
RT: 20.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2840001

Ion	Ratio	Lower	Upper
149	100		
91	72.0	56.4	84.6
206	20.7	16.3	24.5

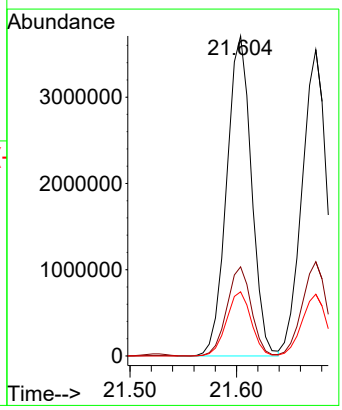


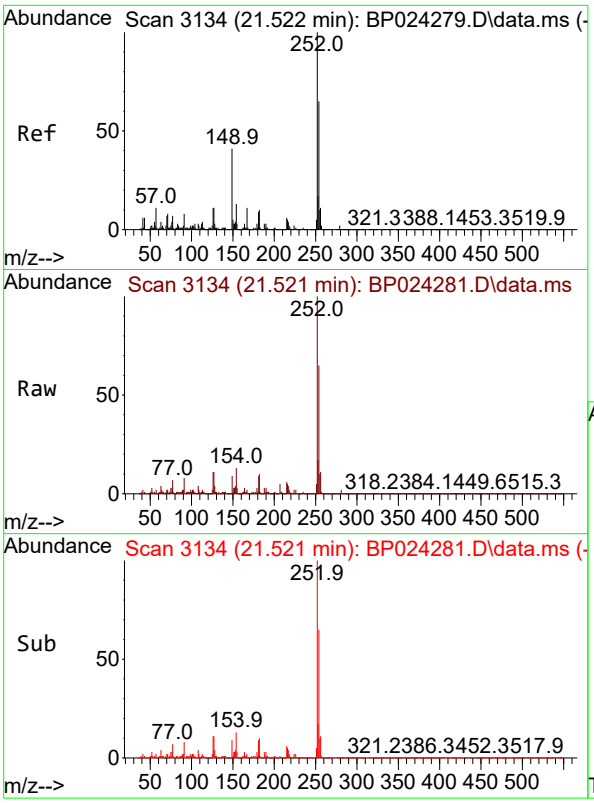


#81
Benzo(a)anthracene
Concen: 60.318 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:228 Resp: 6002059

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	20.1	15.9	23.9



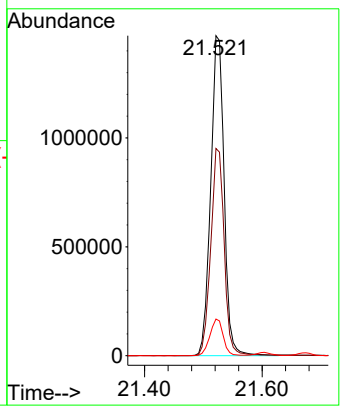


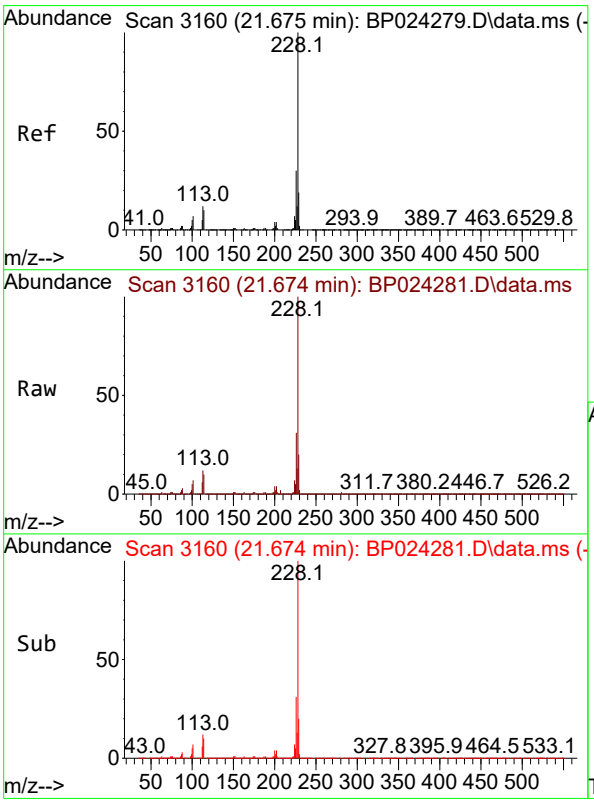
#82
3,3'-Dichlorobenzidine
Concen: 67.333 ng
RT: 21.521 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 2323294

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.5	8.8	13.2

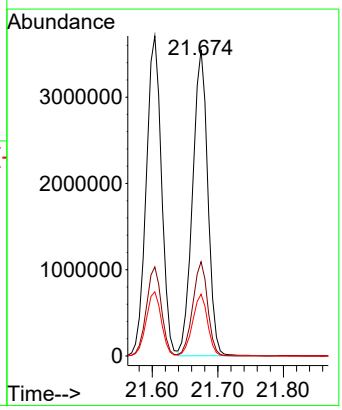


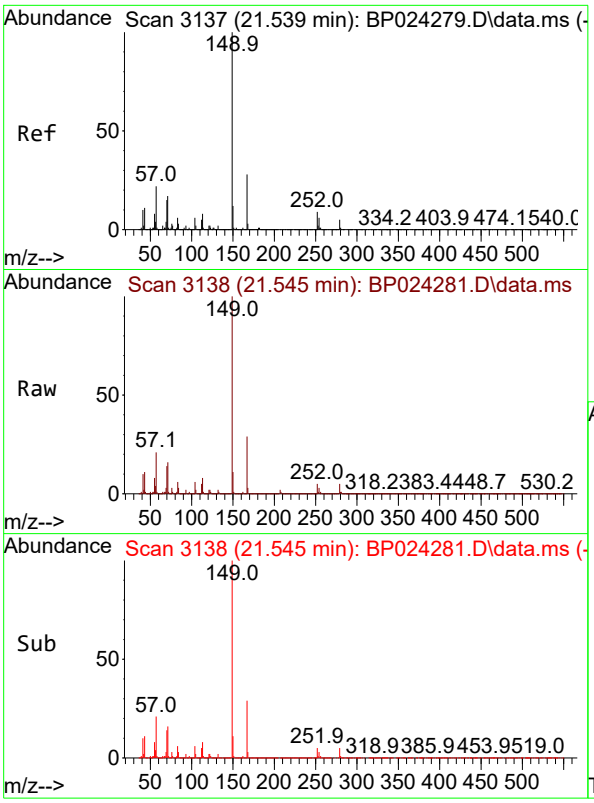


#83
Chrysene
Concen: 59.924 ng
RT: 21.674 min Scan# 3160
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:228 Resp: 5714775

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	20.2	15.6	23.4



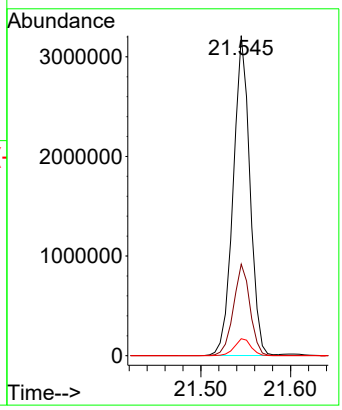


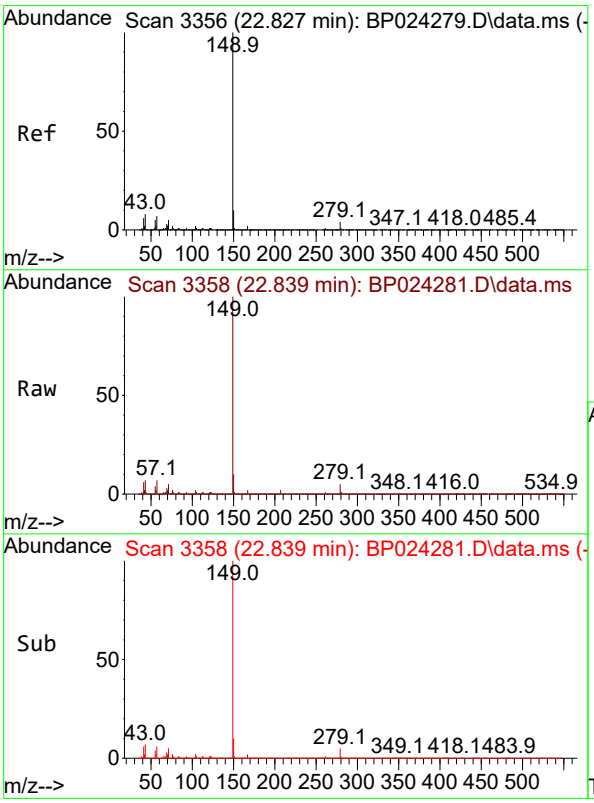
#84
Bis(2-ethylhexyl)phthalate
Concen: 65.497 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4153128

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.4	33.6
279	5.3	4.0	6.0

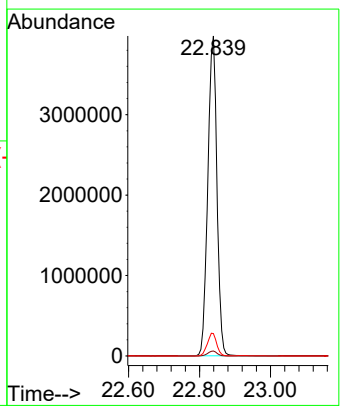


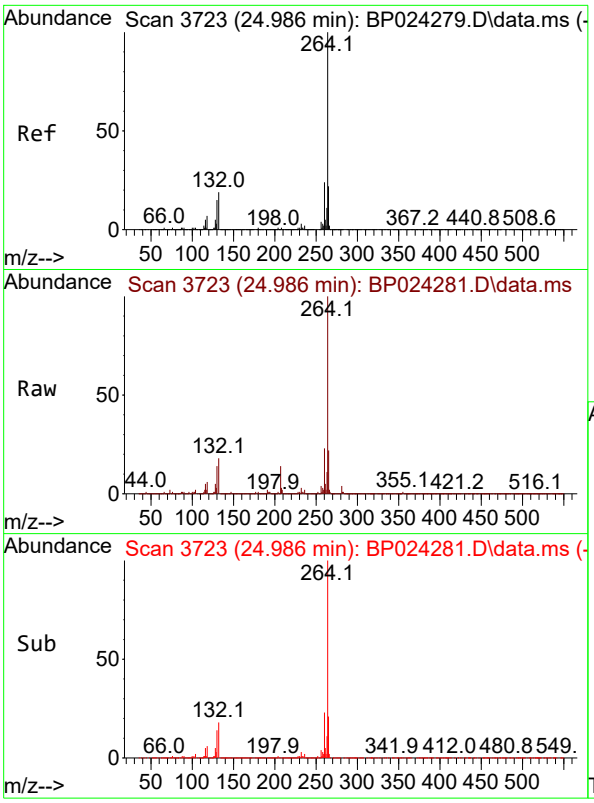


#85
Di-n-octyl phthalate
Concen: 70.060 ng
RT: 22.839 min Scan# 3358
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 7116217

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0



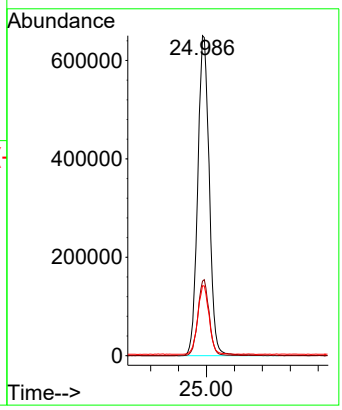


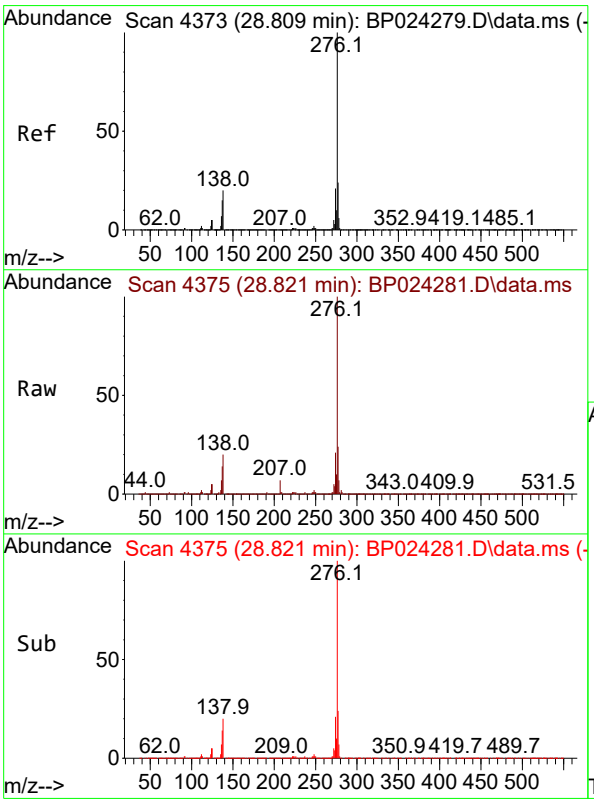
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 1858365

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.8	17.8	26.6

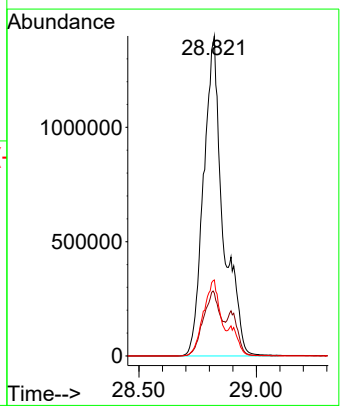


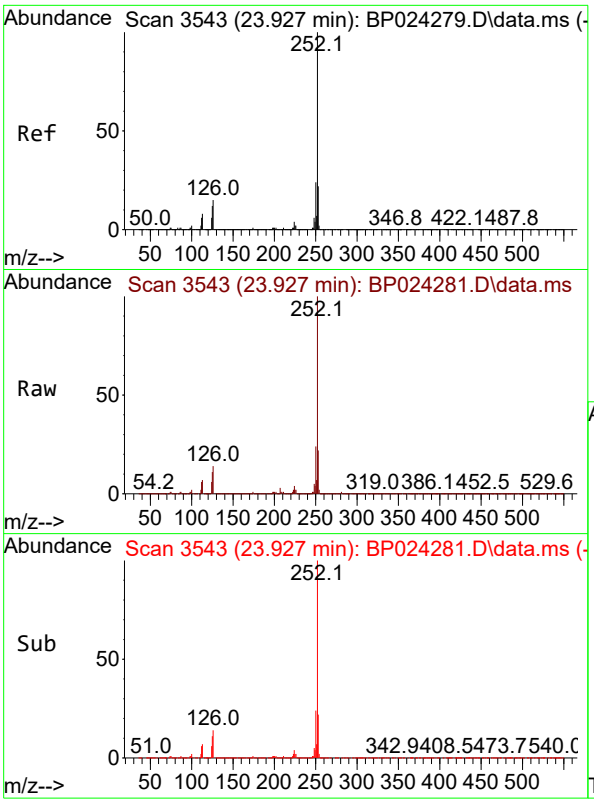


#87
Indeno(1,2,3-cd)pyrene
Concen: 63.043 ng m
RT: 28.821 min Scan# 4375
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:276 Resp: 8057576

Ion	Ratio	Lower	Upper
276	100		
138	18.2	14.5	21.7
277	20.7	20.2	30.2



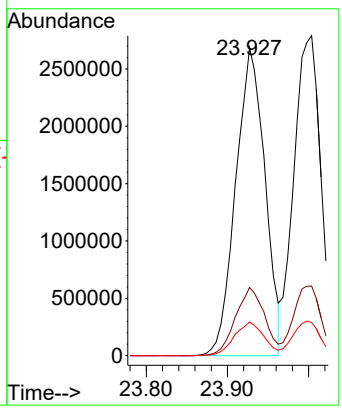


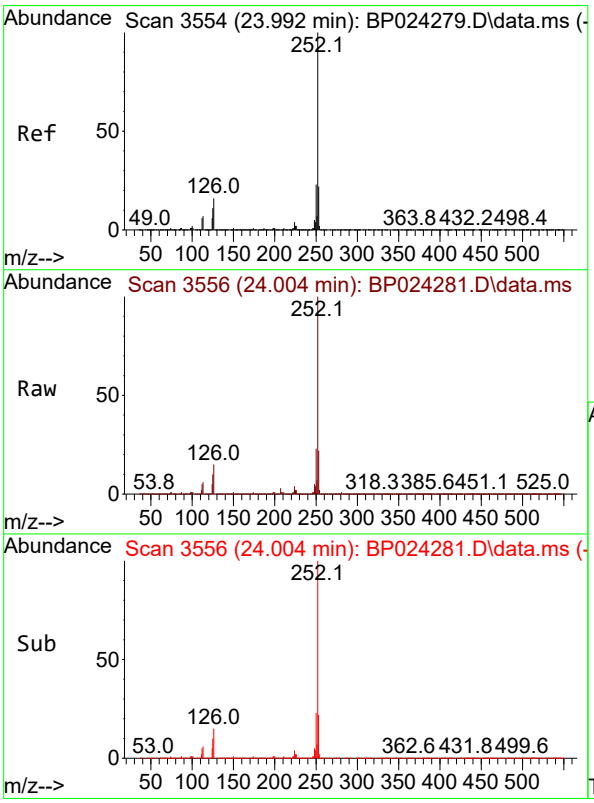
#88
Benzo(b)fluoranthene
Concen: 60.400 ng
RT: 23.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6715444

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.0	9.4	14.0

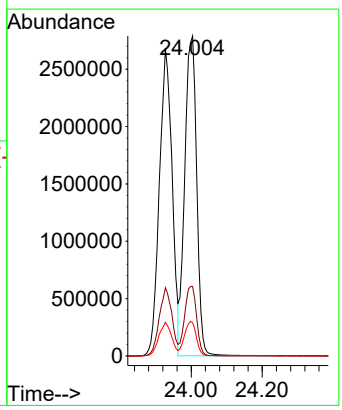


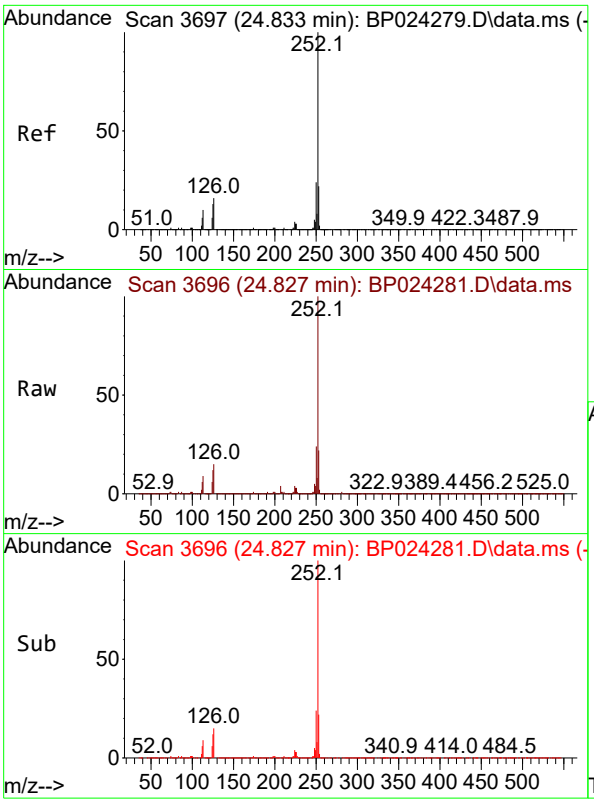


#89
Benzo(k)fluoranthene
Concen: 60.244 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:252 Resp: 6500782

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.4	9.1	13.7



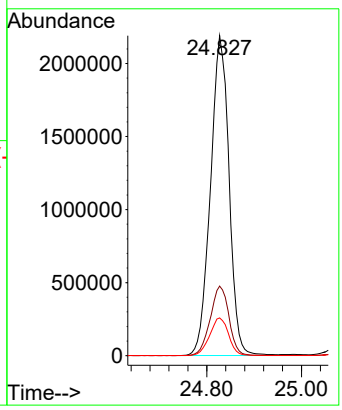


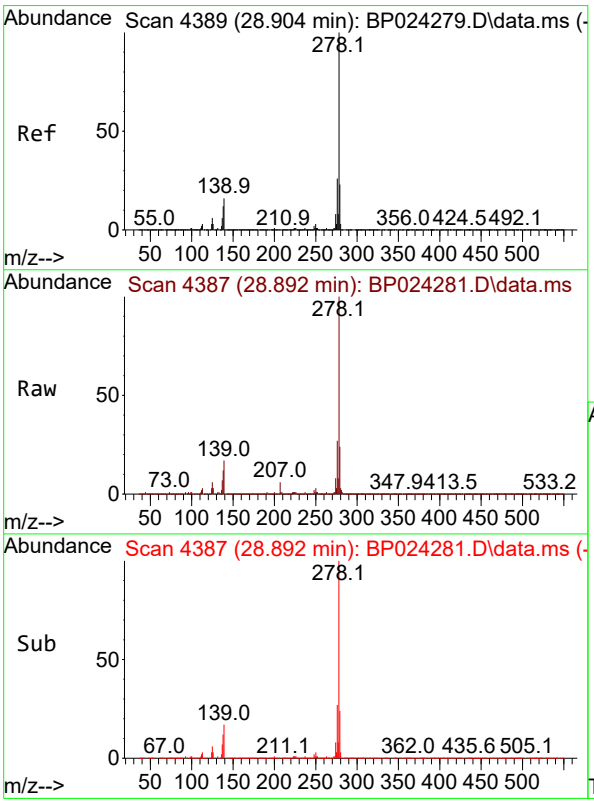
#90
Benzo(a)pyrene
Concen: 62.316 ng
RT: 24.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 5964163

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1

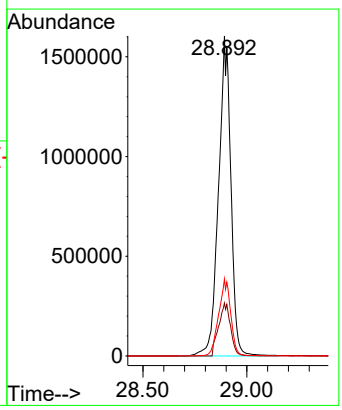


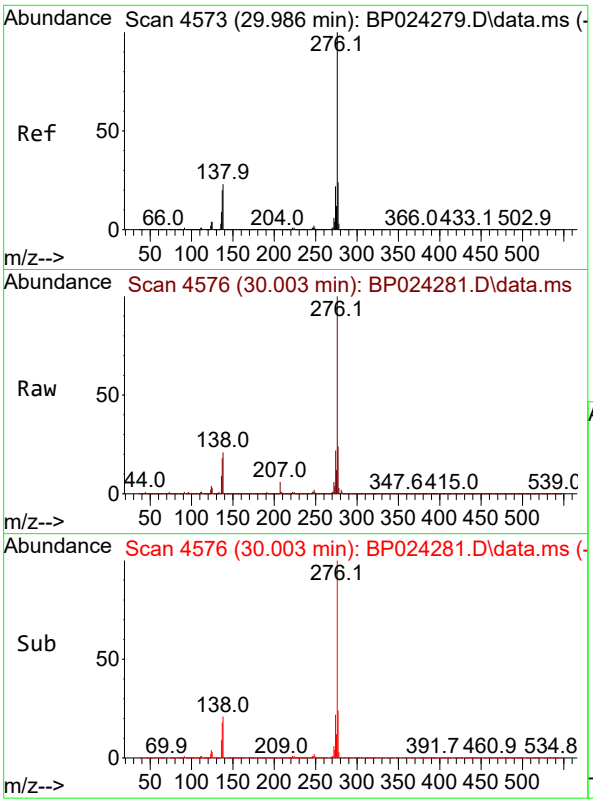


#91
Dibenzo(a,h)anthracene
Concen: 62.214 ng
RT: 28.892 min Scan# 4387
Delta R.T. -0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:278 Resp: 6614173

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.6	19.0
279	24.1	18.5	27.7



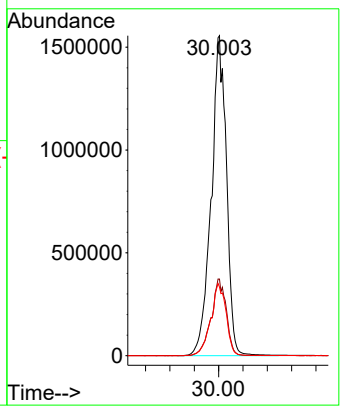


#92
Benzo(g,h,i)perylene
Concen: 62.294 ng
RT: 30.003 min Scan# 4
Delta R.T. 0.017 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6740929

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	21.5	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	244732	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1024316	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	641442	20.000	ng		0.00
64) Phenanthrene-d10	17.180	188	1279313	20.000	ng		0.02
76) Chrysene-d12	21.621	240	1378105	20.000	ng		0.00
86) Perylene-d12	24.986	264	1583281	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2341577	157.905	ng		0.00
7) Phenol-d6	6.916	99	3224074	158.927	ng		0.00
23) Nitrobenzene-d5	8.881	82	2847003	158.236	ng		0.00
42) 2,4,6-Tribromophenol	15.892	330	1507534	171.633	ng		0.01
45) 2-Fluorobiphenyl	12.981	172	6362479	150.596	ng		0.01
79) Terphenyl-d14	19.922	244	10209149	147.678	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	467234	73.805	ng		99
3) Pyridine	3.687	79	1349044m	81.864	ng		
4) n-Nitrosodimethylamine	3.593	42	434861	79.138	ng		97
6) Aniline	7.069	93	1351337	73.789	ng		100
8) 2-Chlorophenol	7.305	128	1299769	78.433	ng		99
9) Benzaldehyde	6.881	77	608272	57.891	ng		99
10) Phenol	6.946	94	1608027	78.944	ng		98
11) bis(2-Chloroethyl)ether	7.163	93	1272327	77.297	ng		99
12) 1,3-Dichlorobenzene	7.622	146	1344292	74.869	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1369087	75.195	ng		99
14) 1,2-Dichlorobenzene	8.075	146	1310407	74.432	ng		100
15) Benzyl Alcohol	7.975	79	1098602	84.492	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1319830	73.704	ng		98
17) 2-Methylphenol	8.175	107	1064555	81.101	ng		100
18) Hexachloroethane	8.799	117	498897	75.920	ng		99
19) n-Nitroso-di-n-propyla...	8.534	70	968278	76.844	ng		99
20) 3+4-Methylphenols	8.499	107	1492527	82.092	ng		99
22) Acetophenone	8.546	105	1977578	77.680	ng	#	100
24) Nitrobenzene	8.922	77	1392093	78.066	ng		98
25) Isophorone	9.446	82	2617853	80.596	ng		99
26) 2-Nitrophenol	9.628	139	760077	88.768	ng		98
27) 2,4-Dimethylphenol	9.693	122	905891	83.475	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1689686	76.434	ng		99
29) 2,4-Dichlorophenol	10.157	162	1238253	83.719	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1252476	78.272	ng		99
31) Naphthalene	10.557	128	4190486	77.287	ng		100
32) Benzoic acid	9.875	122	1154243m	98.425	ng		
33) 4-Chloroaniline	10.669	127	1547427	81.682	ng		99
34) Hexachlorobutadiene	10.840	225	743811	79.240	ng		99
35) Caprolactam	11.481	113	469910	86.534	ng		98
36) 4-Chloro-3-methylphenol	11.804	107	1438601	83.468	ng		98
37) 2-Methylnaphthalene	12.169	142	2918685	77.673	ng		99
38) 1-Methylnaphthalene	12.393	142	2831173	76.912	ng		100
40) 1,2,4,5-Tetrachloroben...	12.545	216	1416894	80.378	ng		100
41) Hexachlorocyclopentadiene	12.528	237	523136	84.532	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	1000309	86.244	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

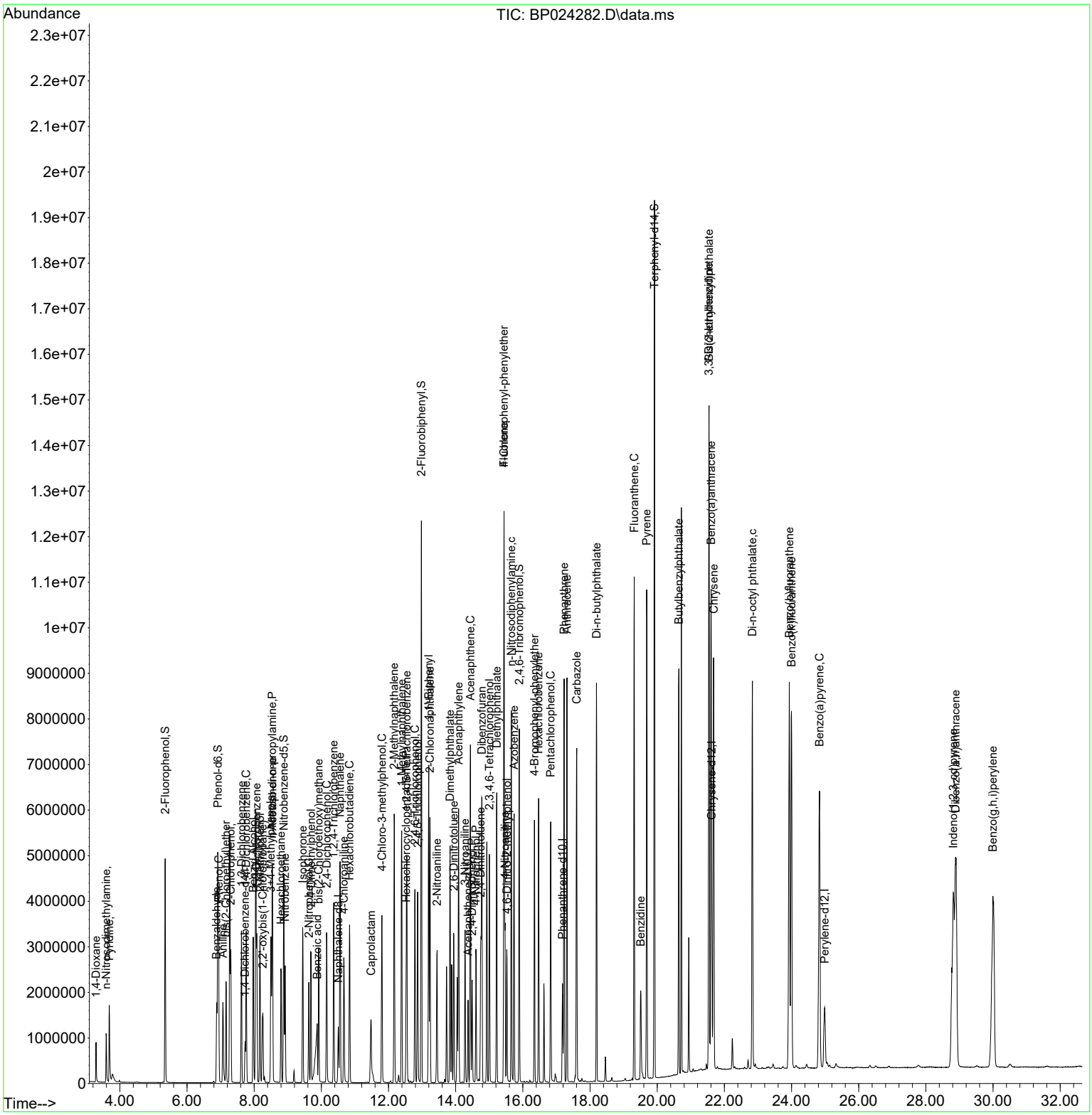
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	1103073	85.819	ng	98
46) 1,1'-Biphenyl	13.198	154	3665607	77.381	ng	99
47) 2-Chloronaphthalene	13.234	162	2766302	78.257	ng	99
48) 2-Nitroaniline	13.445	65	848619	86.912	ng	98
49) Acenaphthylene	14.087	152	4438648	80.004	ng	100
50) Dimethylphthalate	13.834	163	3659579	78.201	ng	99
51) 2,6-Dinitrotoluene	13.945	165	814314	82.589	ng	98
52) Acenaphthene	14.439	154	2761536	78.270	ng	100
53) 3-Nitroaniline	14.281	138	919775	89.913	ng	99
54) 2,4-Dinitrophenol	14.492	184	541483	102.567	ng	99
55) Dibenzofuran	14.781	168	4420987	76.402	ng	99
56) 4-Nitrophenol	14.604	139	814261	92.599	ng	98
57) 2,4-Dinitrotoluene	14.745	165	1169554	87.755	ng	98
58) Fluorene	15.439	166	3479094	77.873	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	999335	84.031	ng	100
60) Diethylphthalate	15.222	149	3800651	78.910	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1689620	77.881	ng	100
62) 4-Nitroaniline	15.469	138	965926	89.063	ng	98
63) Azobenzene	15.739	77	3448680	77.741	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	705506	94.385	ng	92
66) n-Nitrosodiphenylamine	15.657	169	2970516	77.438	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	1137128	81.488	ng	99
68) Hexachlorobenzene	16.469	284	1347567	81.231	ng	97
70) Pentachlorophenol	16.828	266	1027691	90.221	ng	99
71) Phenanthrene	17.228	178	5415046	77.203	ng	100
72) Anthracene	17.316	178	5270987	78.097	ng	99
73) Carbazole	17.604	167	5275449	80.314	ng	100
74) Di-n-butylphthalate	18.192	149	6569078	80.266	ng	100
75) Fluoranthene	19.316	202	6520527	78.322	ng	99
77) Benzidine	19.510	184	1694694m	99.624	ng	
78) Pyrene	19.686	202	6718789	76.195	ng	100
80) Butylbenzylphthalate	20.645	149	3163633	85.104	ng	96
81) Benzo(a)anthracene	21.604	228	6729971	78.335	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	2536509	85.143	ng	99
83) Chrysene	21.680	228	6433173	78.130	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4516949	82.506	ng	98
85) Di-n-octyl phthalate	22.833	149	7969779	90.878	ng	99
87) Indeno(1,2,3-cd)pyrene	28.815	276	9286186	85.280	ng	99
88) Benzo(b)fluoranthene	23.933	252	7677613	81.051	ng	98
89) Benzo(k)fluoranthene	23.998	252	7207214	78.395	ng	100
90) Benzo(a)pyrene	24.833	252	6703562	82.211	ng	99
91) Dibenzo(a,h)anthracene	28.886	278	7614901	84.071	ng	98
92) Benzo(g,h,i)perylene	29.997	276	7750941	84.072	ng	99

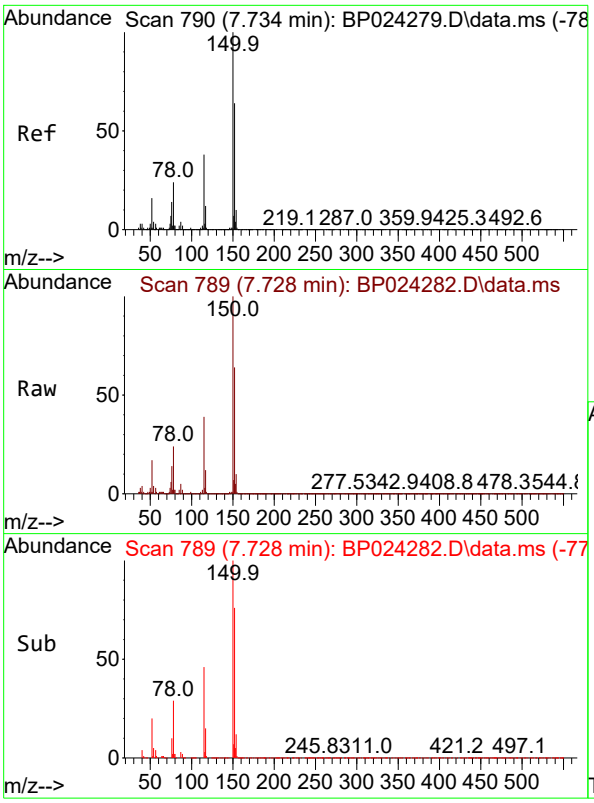
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



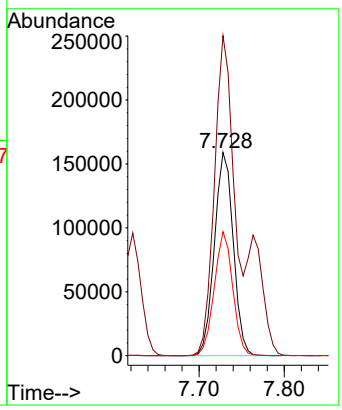


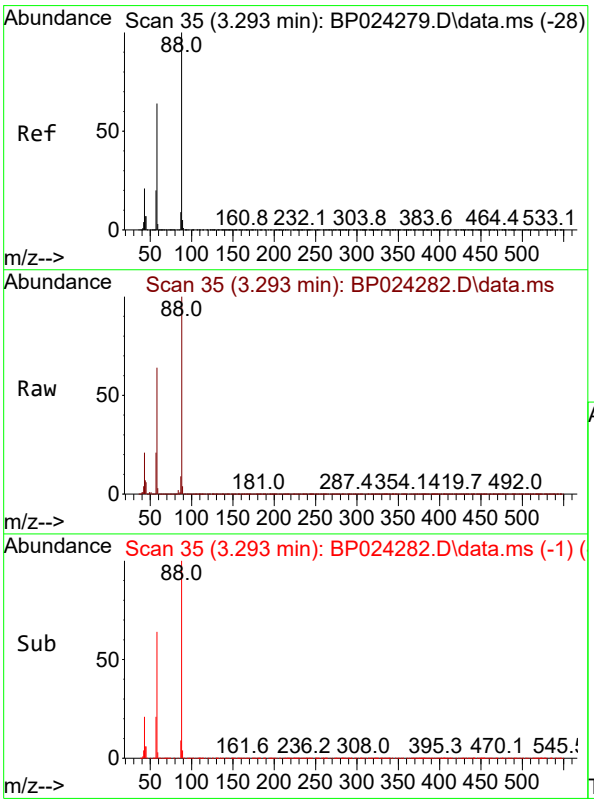
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 244732

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.9	187.3
115	61.0	47.7	71.5

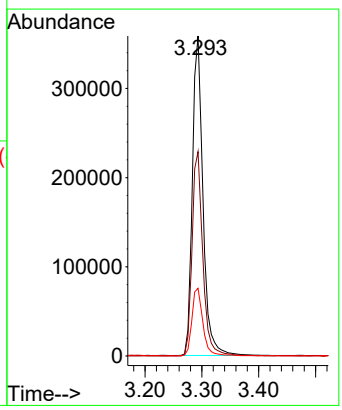


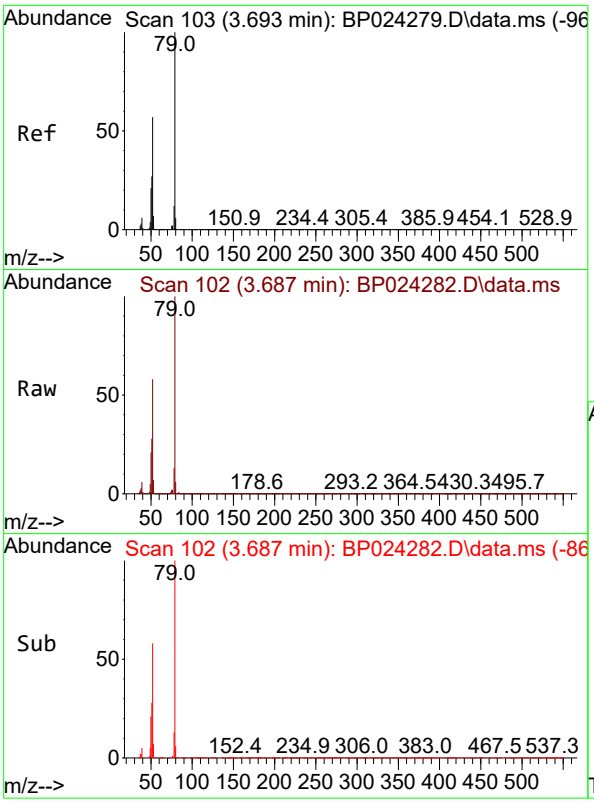


#2
1,4-Dioxane
Concen: 73.805 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 88 Resp: 467234

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	21.7	17.1	25.7



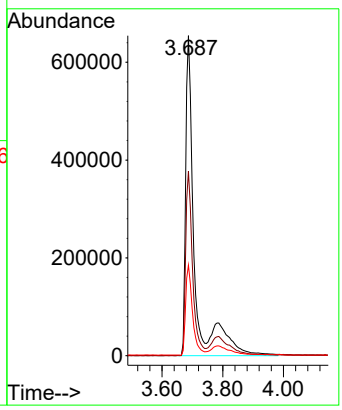


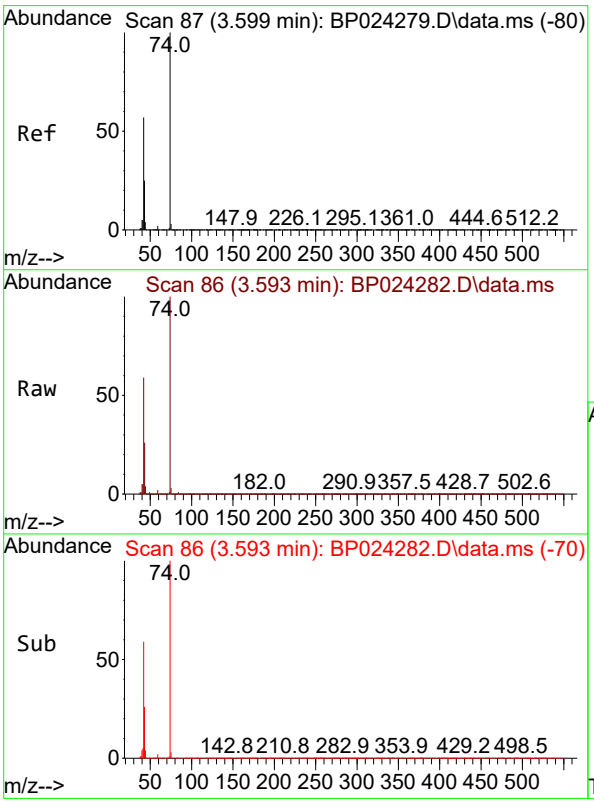
#3
Pyridine
Concen: 81.864 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1349044

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.3	22.6	33.8

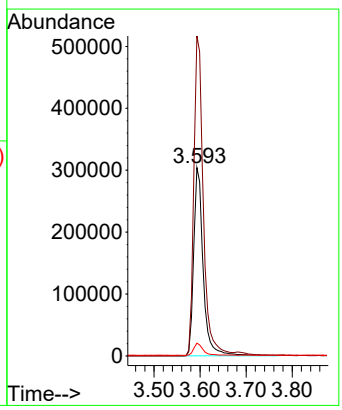


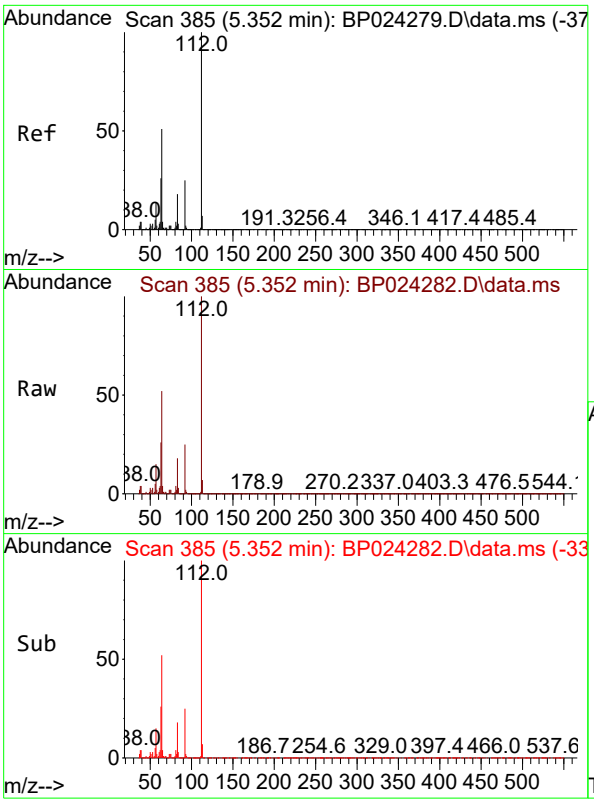


#4
n-Nitrosodimethylamine
Concen: 79.138 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 42 Resp: 434861

Ion	Ratio	Lower	Upper
42	100		
74	170.0	139.5	209.3
44	6.8	5.8	8.8



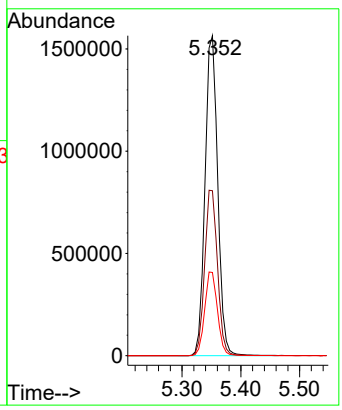


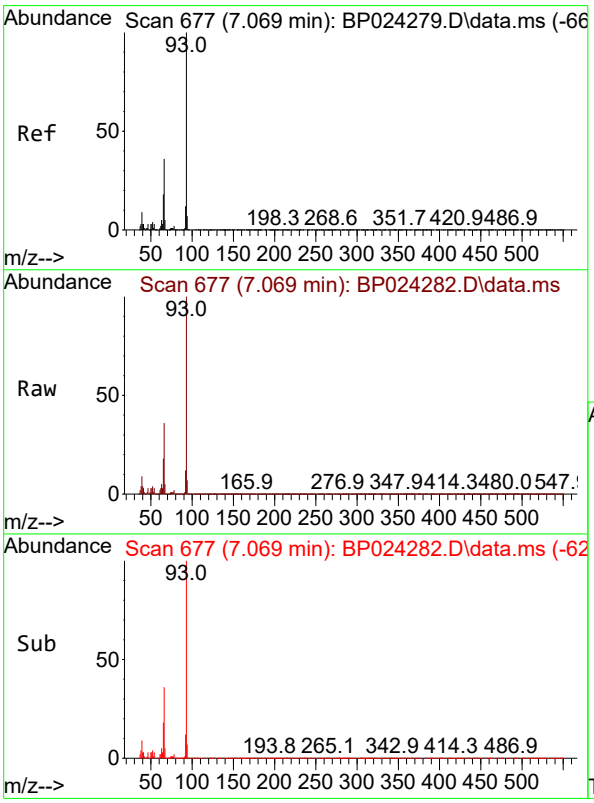
#5
2-Fluorophenol
Concen: 157.905 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2341577

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

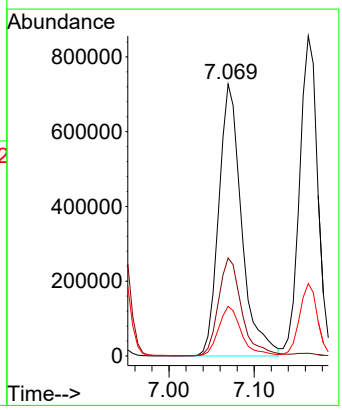


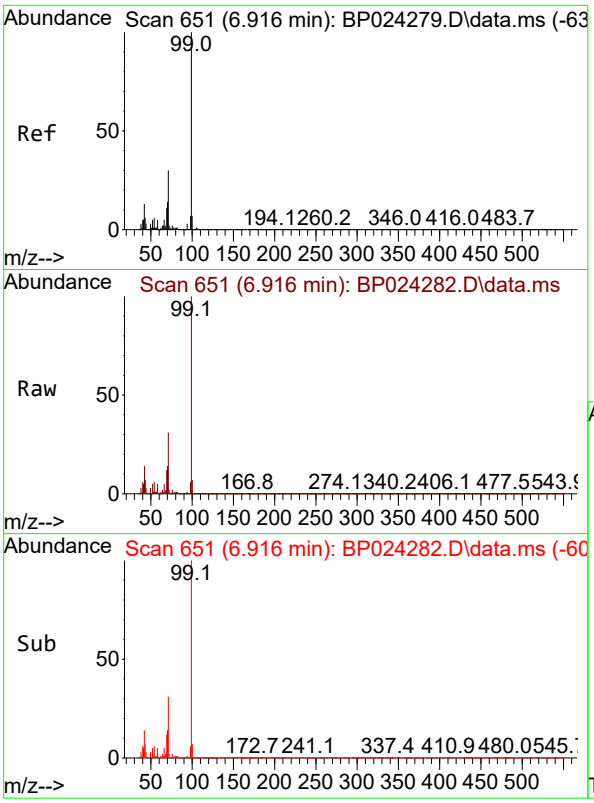


#6
Aniline
Concen: 73.789 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1351337

Ion	Ratio	Lower	Upper
93	100		
66	36.1	29.1	43.7
65	18.2	14.7	22.1



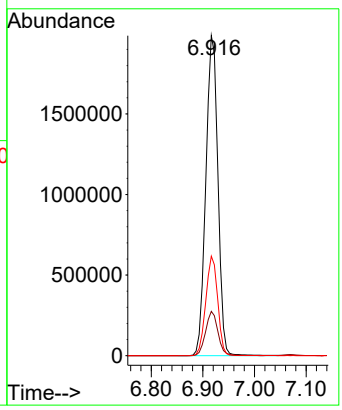


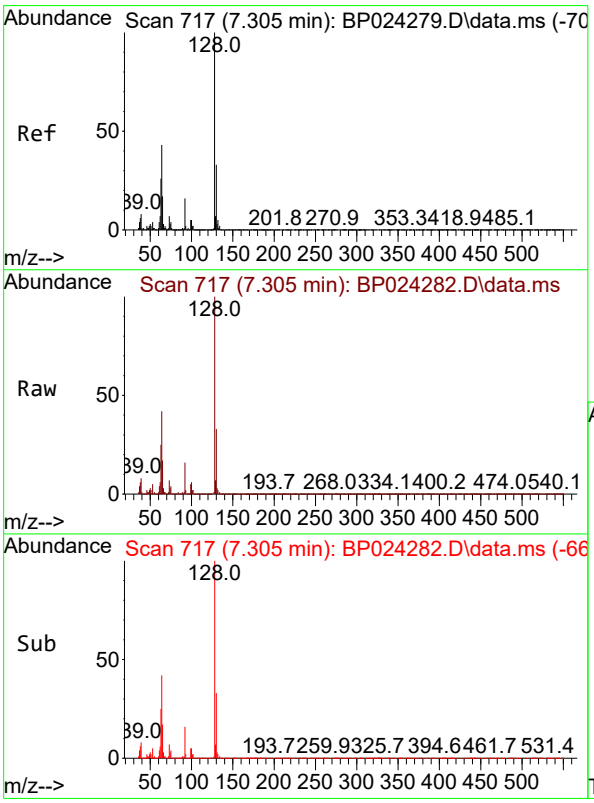
#7
Phenol-d6
Concen: 158.927 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3224074

Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.6	16.0
71	31.1	23.7	35.5

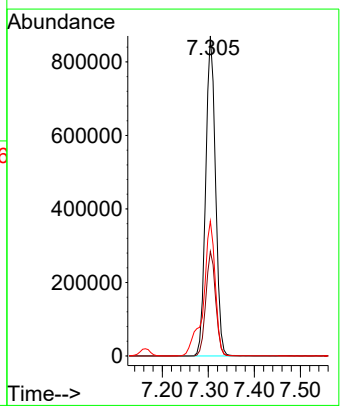


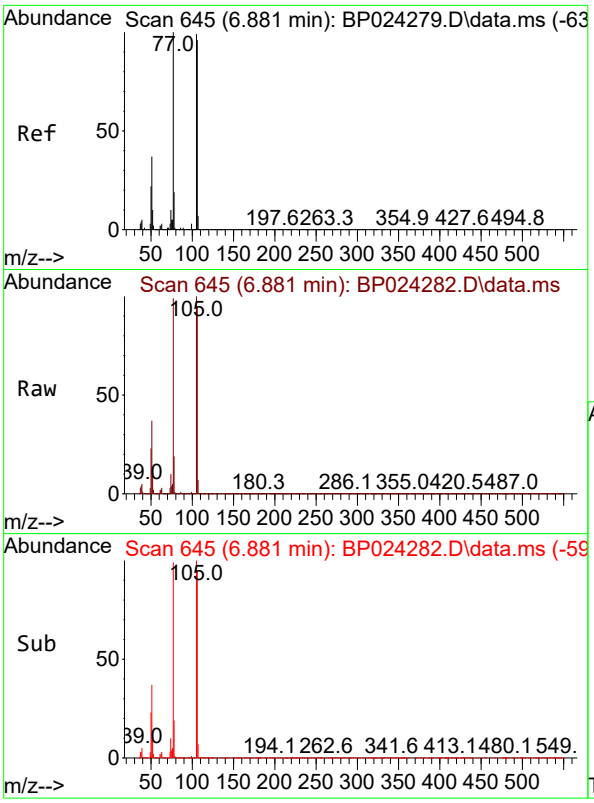


#8
2-Chlorophenol
Concen: 78.433 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:128 Resp: 1299769

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	42.1	22.7	62.7



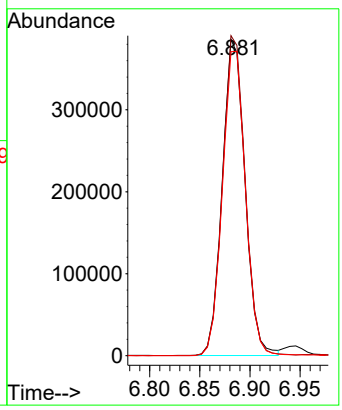


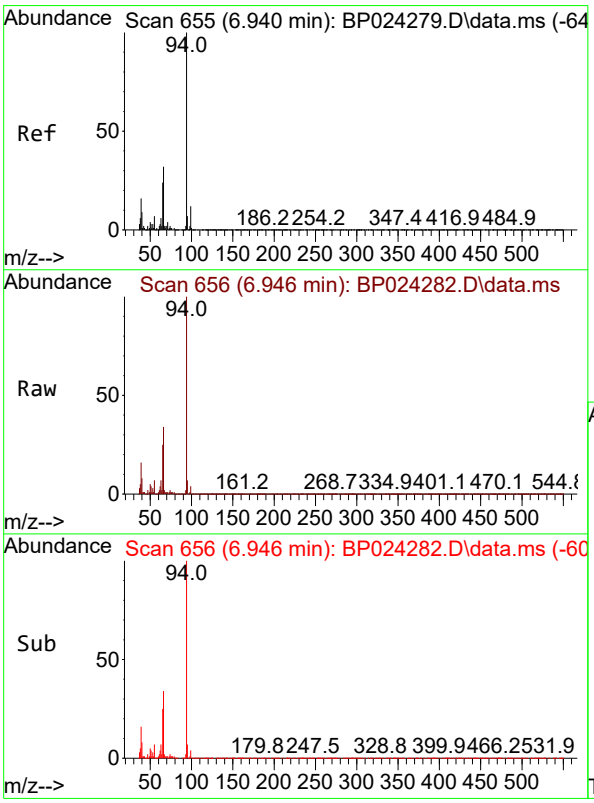
#9
Benzaldehyde
Concen: 57.891 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 608272

Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.2	119.2
106	96.2	76.2	116.2

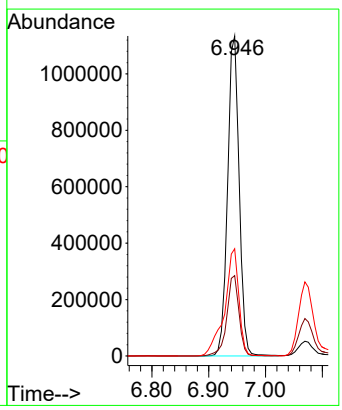


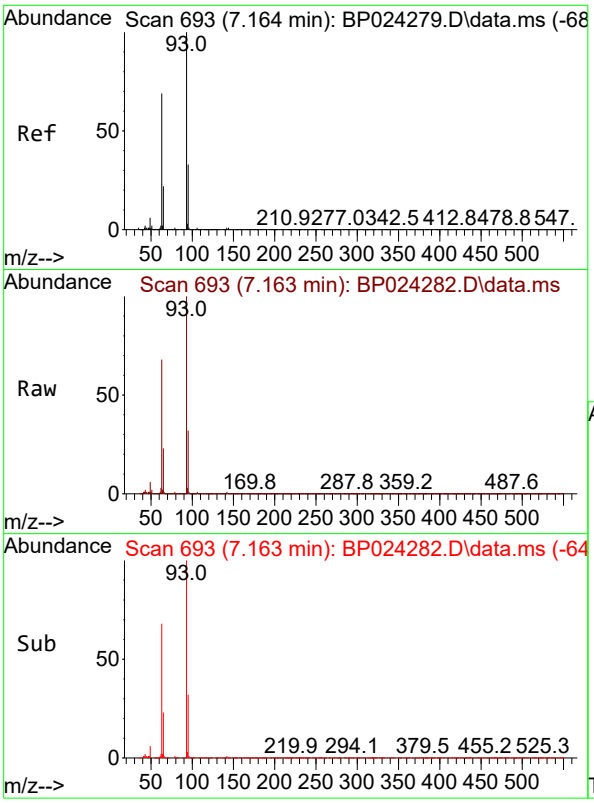


#10
Phenol
Concen: 78.944 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 94 Resp: 1608027

Ion	Ratio	Lower	Upper
94	100		
65	25.1	4.5	44.5
66	33.5	12.4	52.4



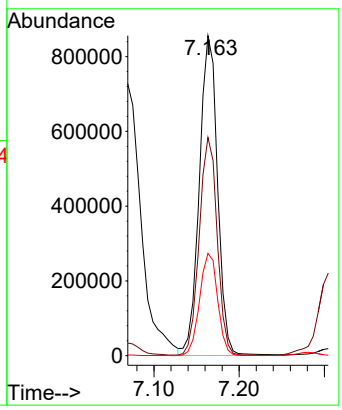


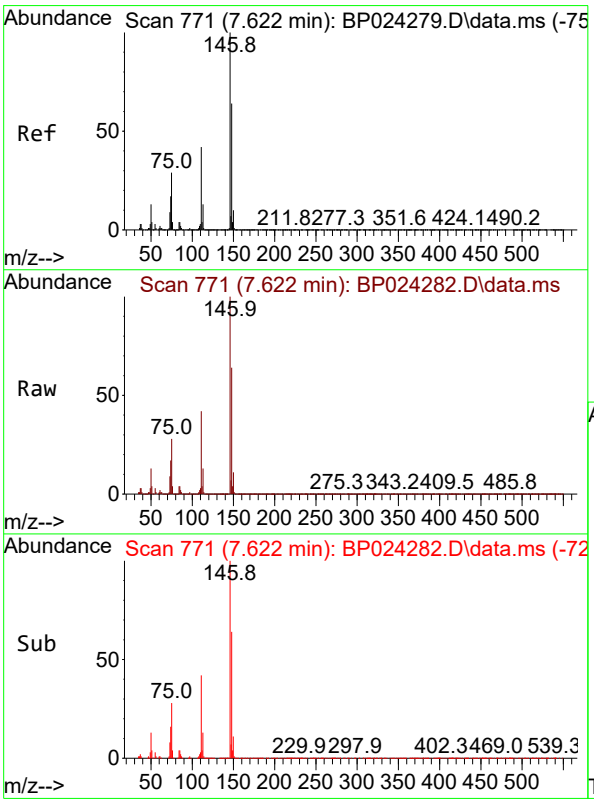
#11
bis(2-Chloroethyl)ether
Concen: 77.297 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1272327

Ion	Ratio	Lower	Upper
93	100		
63	68.2	48.6	88.6
95	31.9	12.3	52.3

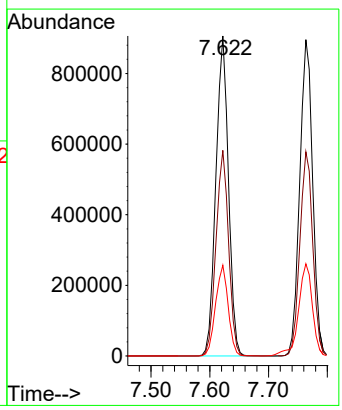


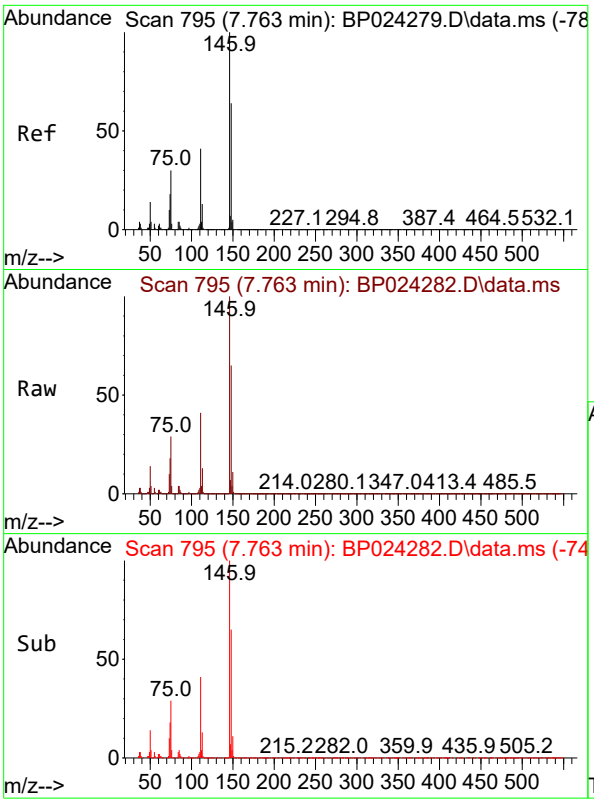


#12
1,3-Dichlorobenzene
Concen: 74.869 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1344292

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
75	28.4	22.9	34.3



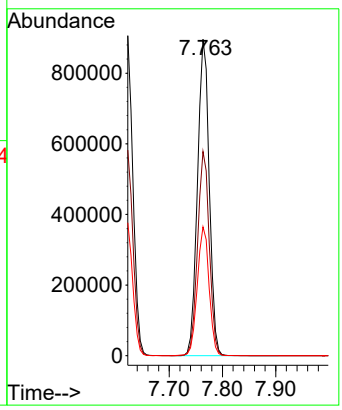


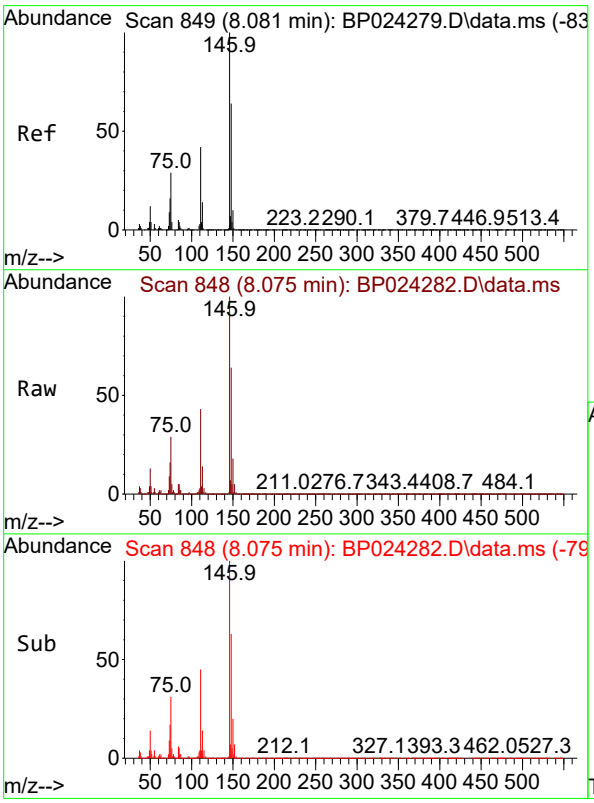
#13
1,4-Dichlorobenzene
Concen: 75.195 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1369087

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	40.7	32.6	48.8

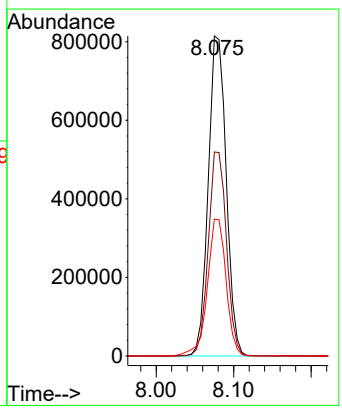


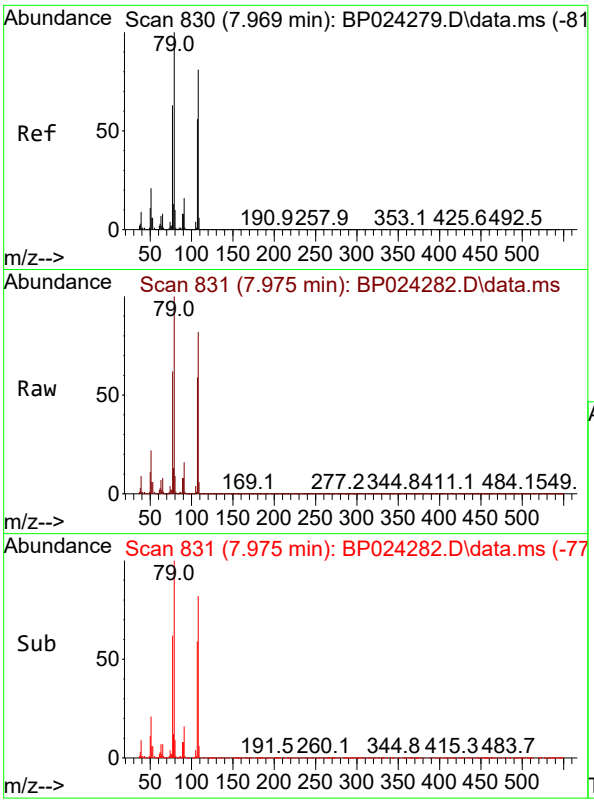


#14
1,2-Dichlorobenzene
Concen: 74.432 ng
RT: 8.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1310407

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.7	33.8	50.8



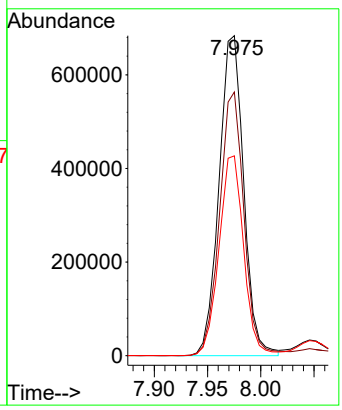


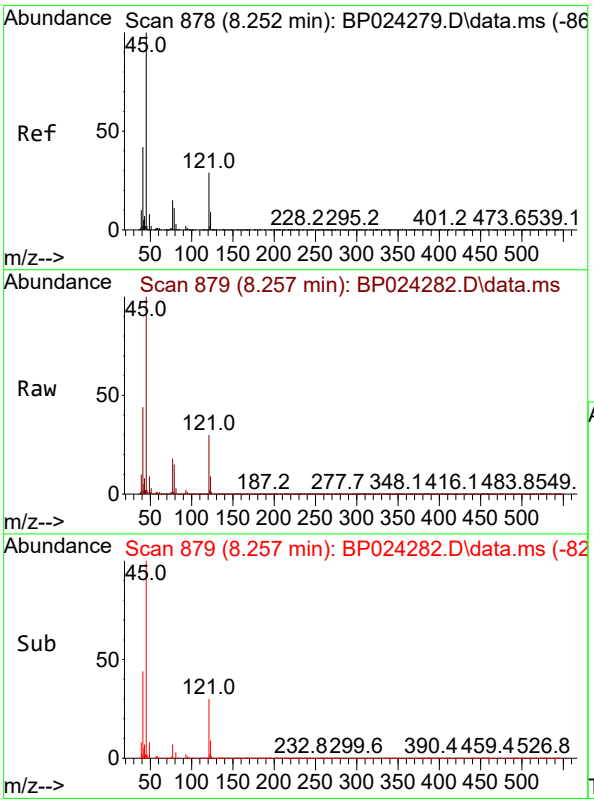
#15
Benzyl Alcohol
Concen: 84.492 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1098602

Ion	Ratio	Lower	Upper
79	100		
108	82.4	65.1	97.7
77	62.4	50.7	76.1

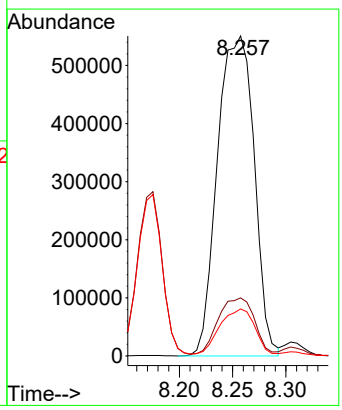


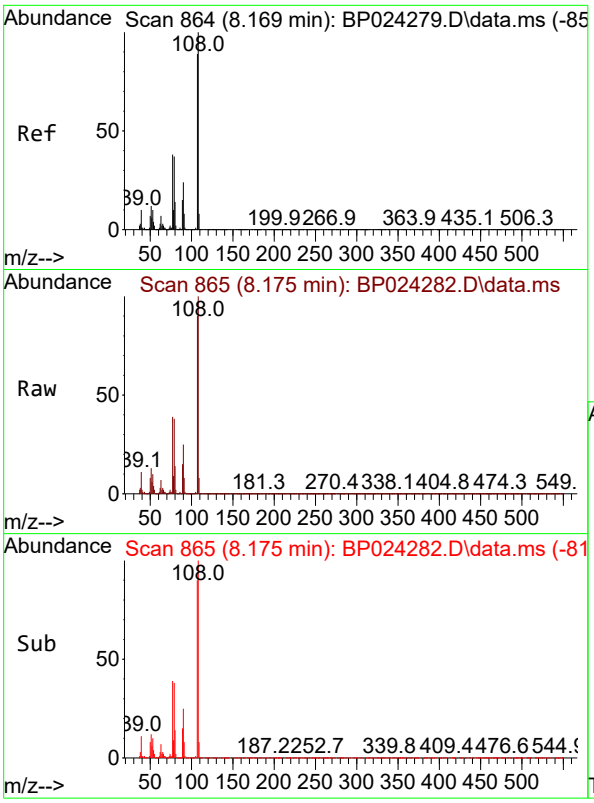


#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.704 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 45 Resp: 1319830

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	37.7
79	14.7	0.0	33.5



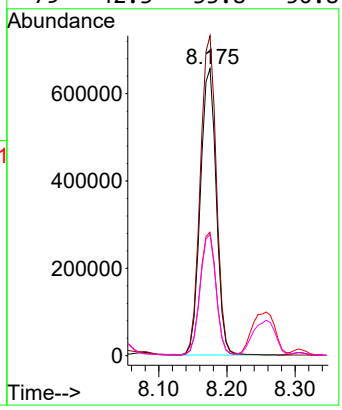


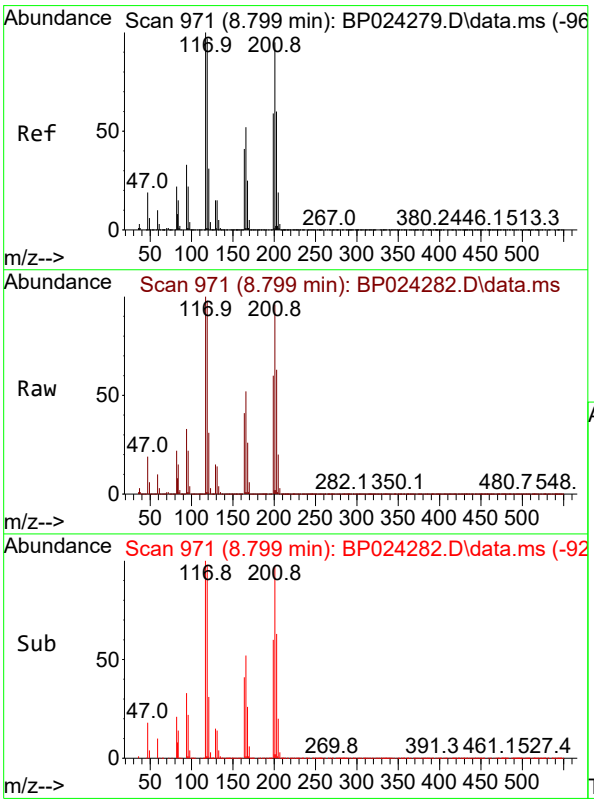
#17
2-Methylphenol
Concen: 81.101 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1064555

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	43.0	34.2	51.4
79	42.3	33.8	50.8

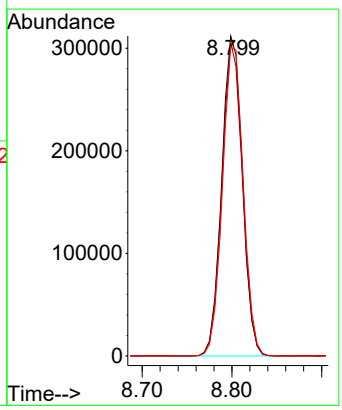


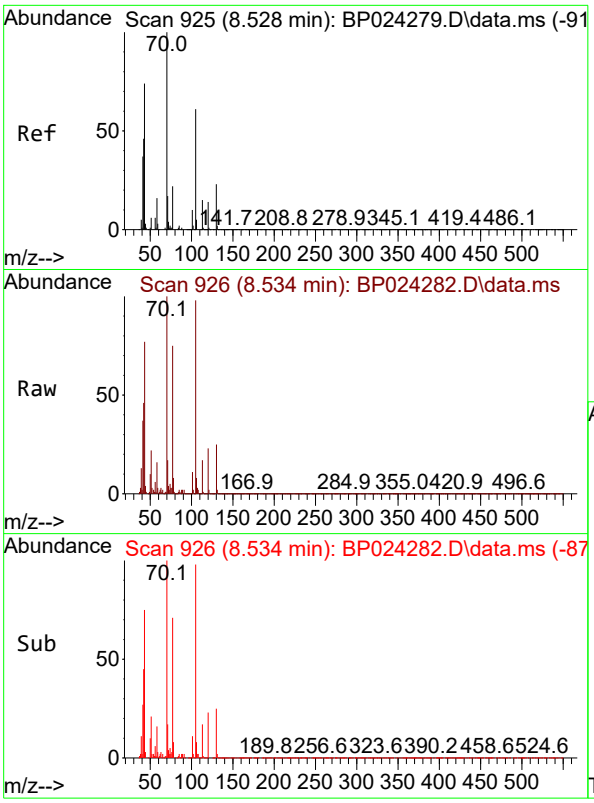


#18
Hexachloroethane
Concen: 75.920 ng
RT: 8.799 min Scan# 971
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:117 Resp: 498897

Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.8	116.6
201	96.5	75.9	113.9



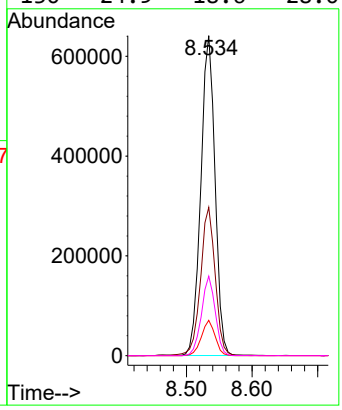


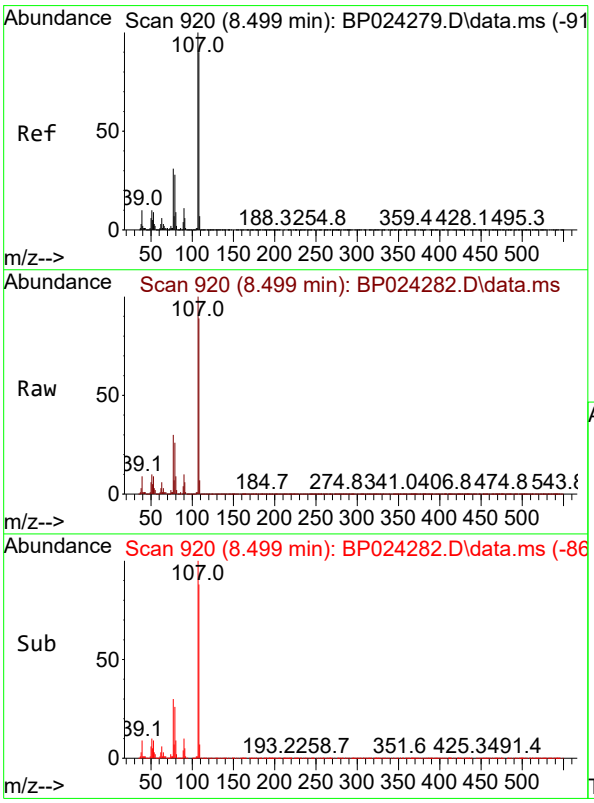
#19
n-Nitroso-di-n-propylamine
Concen: 76.844 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 968278

Ion	Ratio	Lower	Upper
70	100		
42	46.3	37.3	55.9
101	11.0	8.2	12.4
130	24.9	18.6	28.0

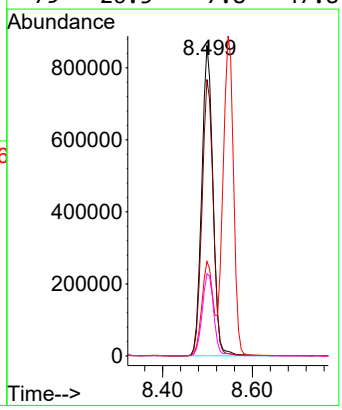


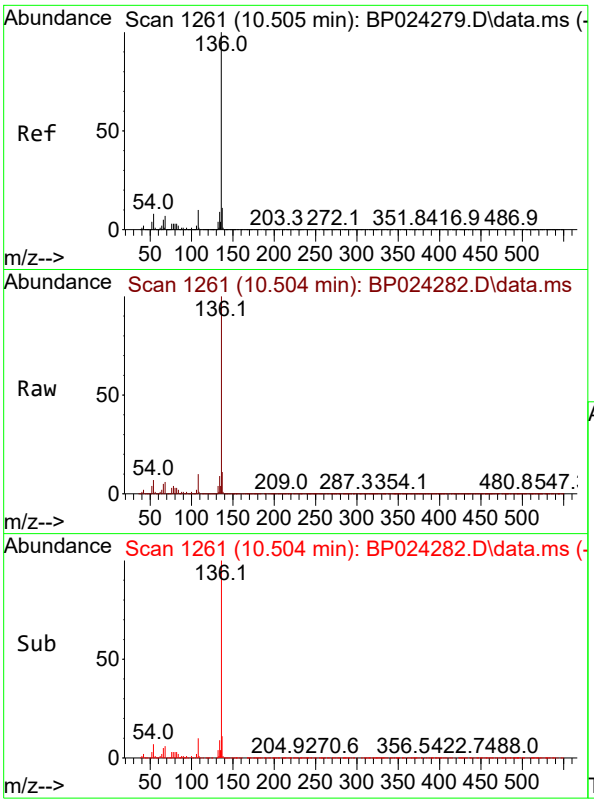


#20
3+4-Methylphenols
Concen: 82.092 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1492527

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	30.4	11.5	51.5
79	26.5	7.8	47.8



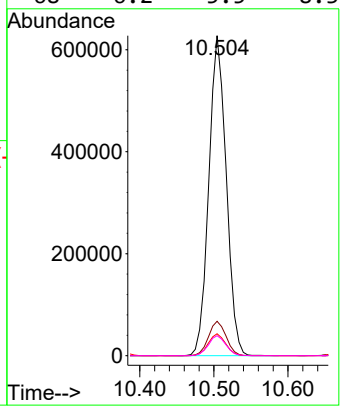


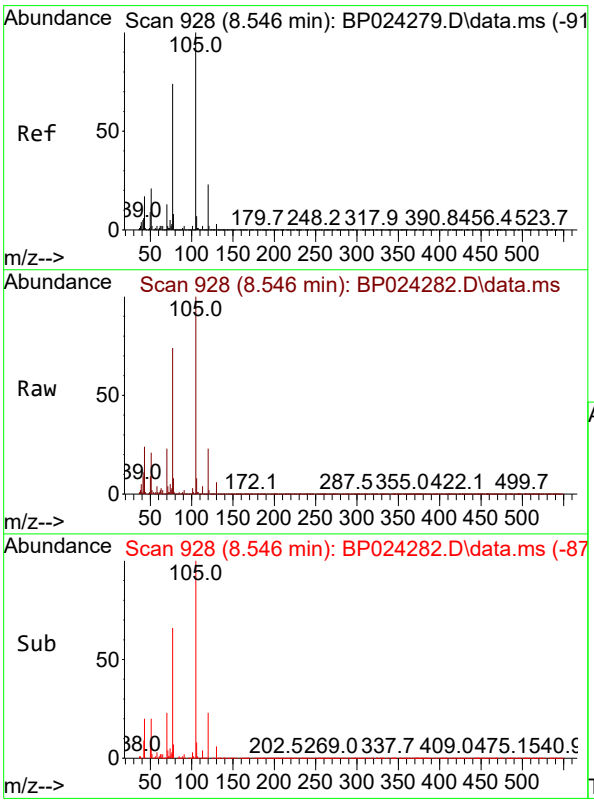
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1024316

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.9	6.0	9.0
68	6.2	5.5	8.3

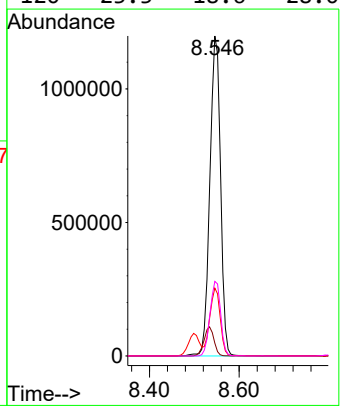


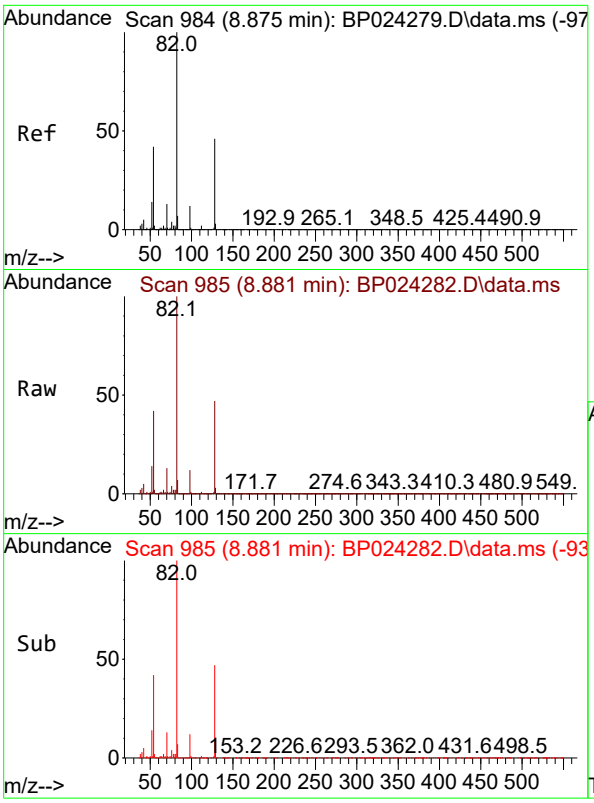


#22
Acetophenone
Concen: 77.680 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:105 Resp: 1977578

Ion	Ratio	Lower	Upper
105	100		
71	4.0	1.7	2.5#
51	21.2	16.9	25.3
120	23.3	18.6	28.0



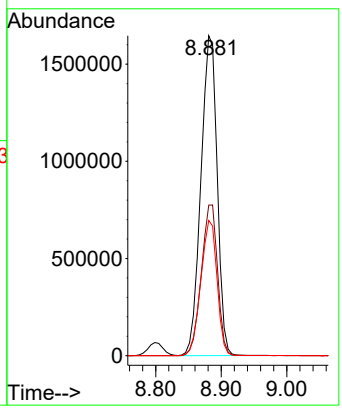


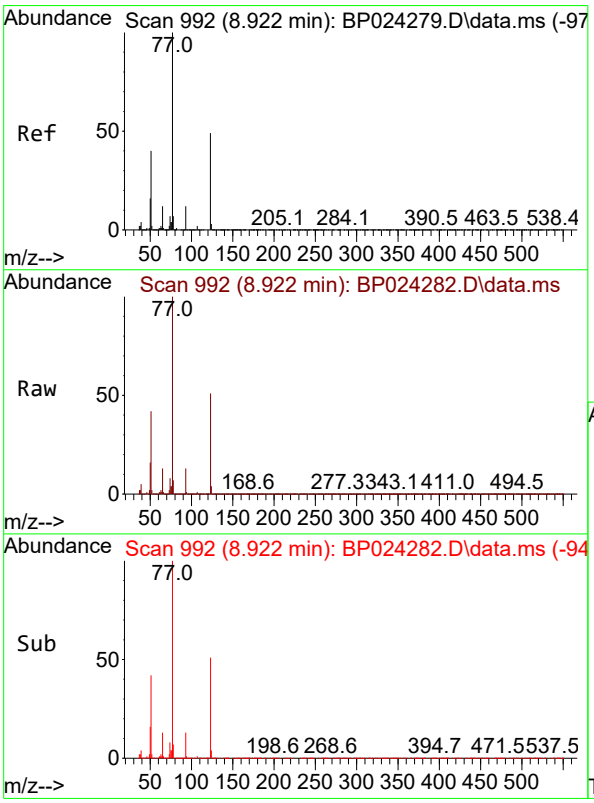
#23
Nitrobenzene-d5
Concen: 158.236 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2847003

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.3	33.4	50.2

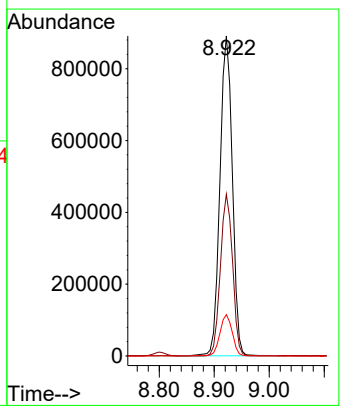


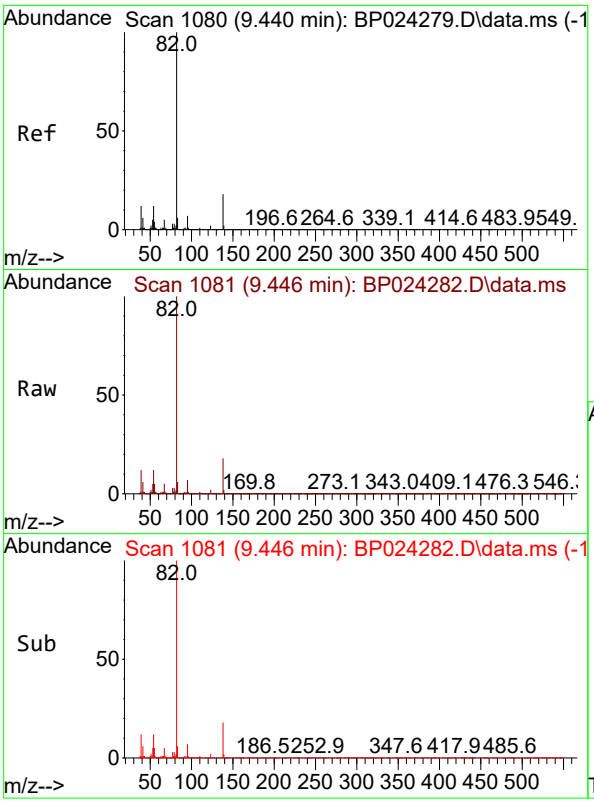


#24
Nitrobenzene
Concen: 78.066 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 77 Resp: 1392093

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.2	58.8
65	12.9	9.8	14.6



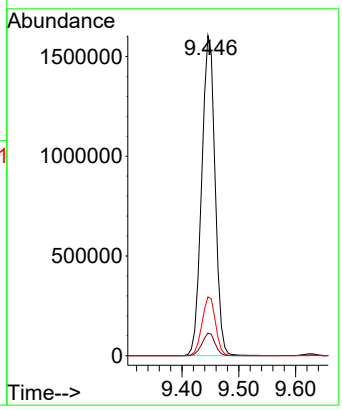


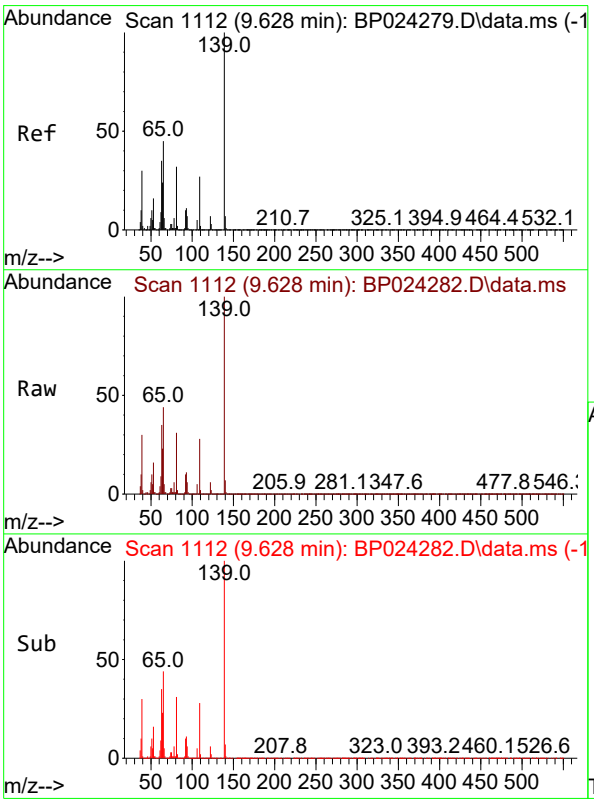
#25
Isophorone
Concen: 80.596 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2617853

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.4	14.4	21.6

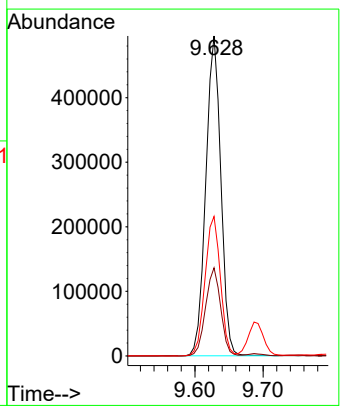


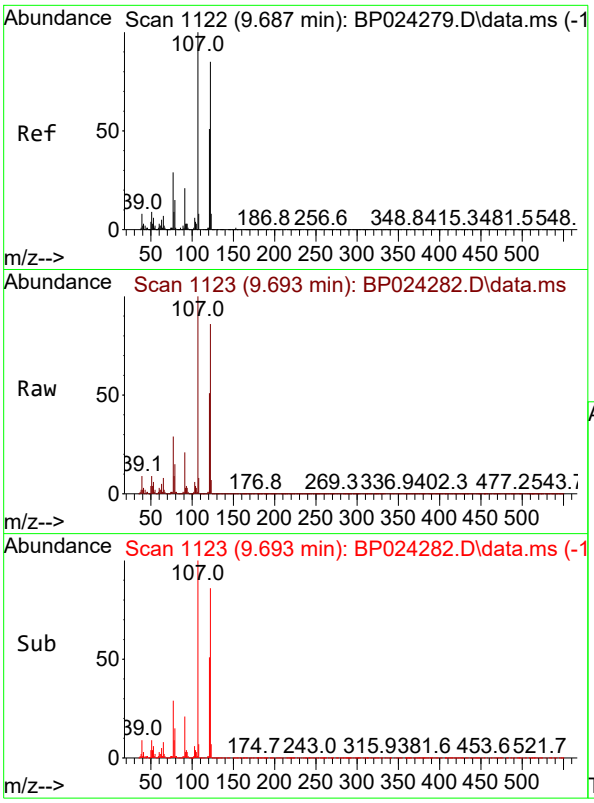


#26
2-Nitrophenol
Concen: 88.768 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 760077

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	43.6	36.2	54.2



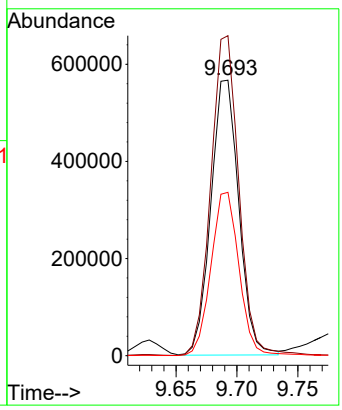


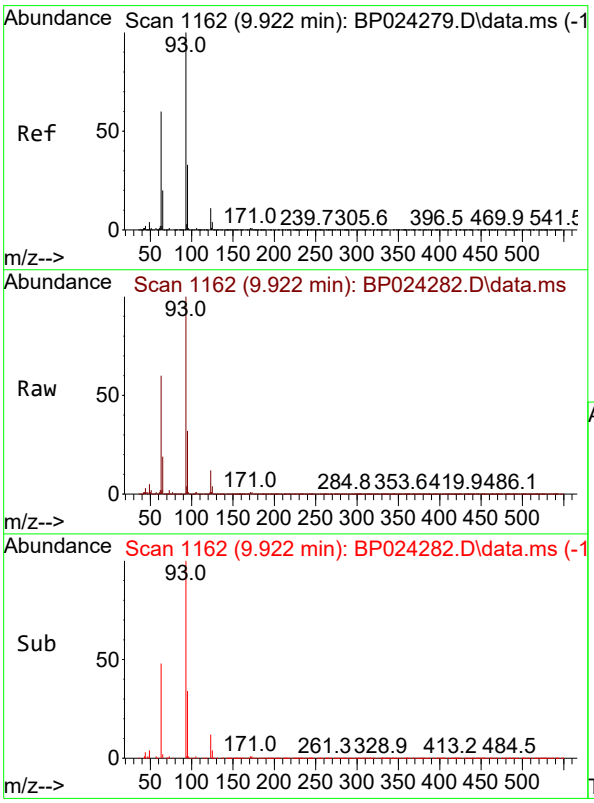
#27
2,4-Dimethylphenol
Concen: 83.475 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 905891

Ion	Ratio	Lower	Upper
122	100		
107	116.1	93.7	140.5
121	59.3	48.2	72.2

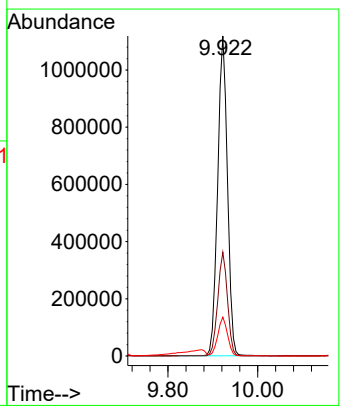


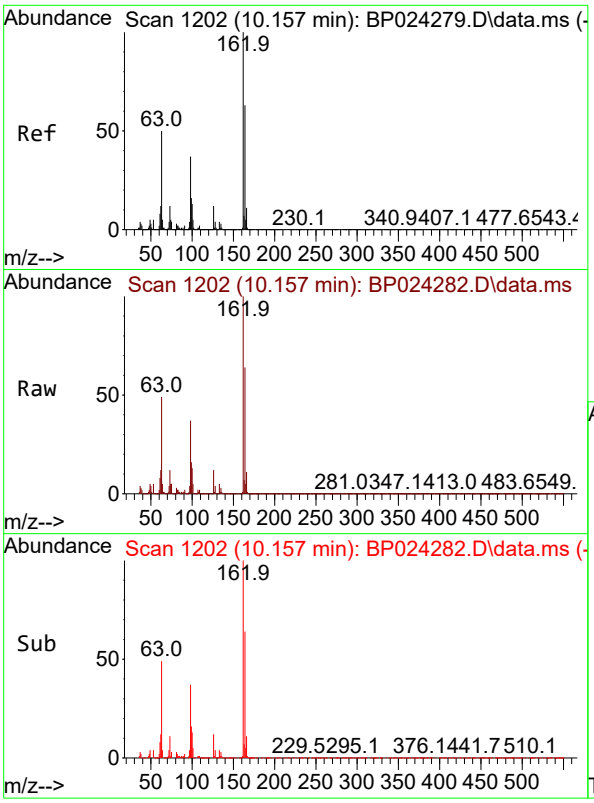


#28
bis(2-Chloroethoxy)methane
Concen: 76.434 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1689686

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	12.2	9.1	13.7



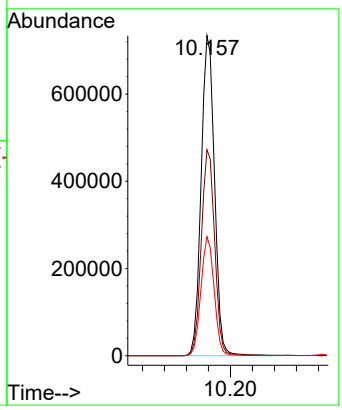


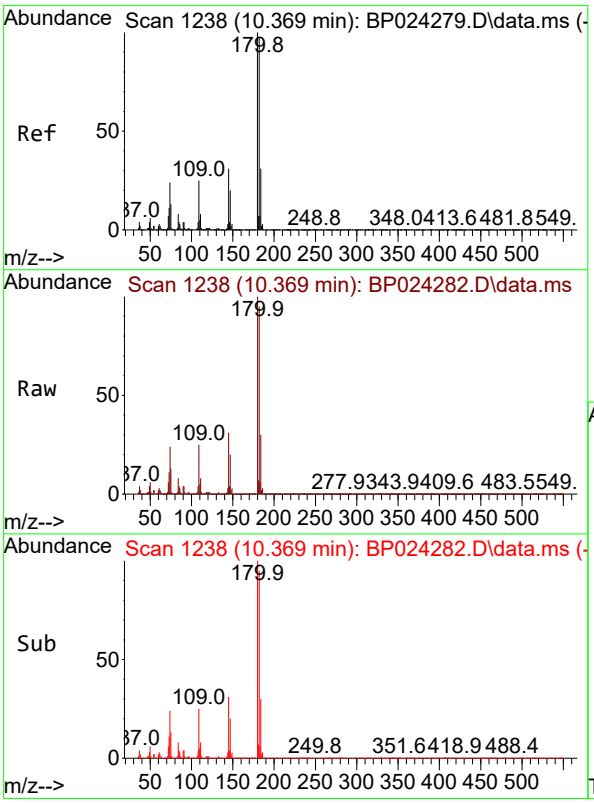
#29
2,4-Dichlorophenol
Concen: 83.719 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1238253

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.3	83.3
98	37.2	16.6	56.6

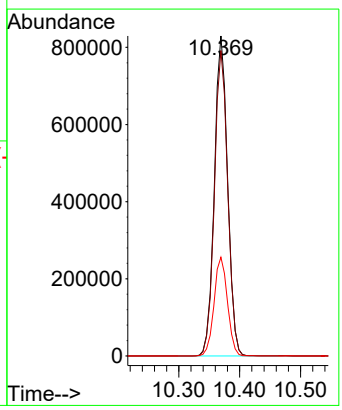


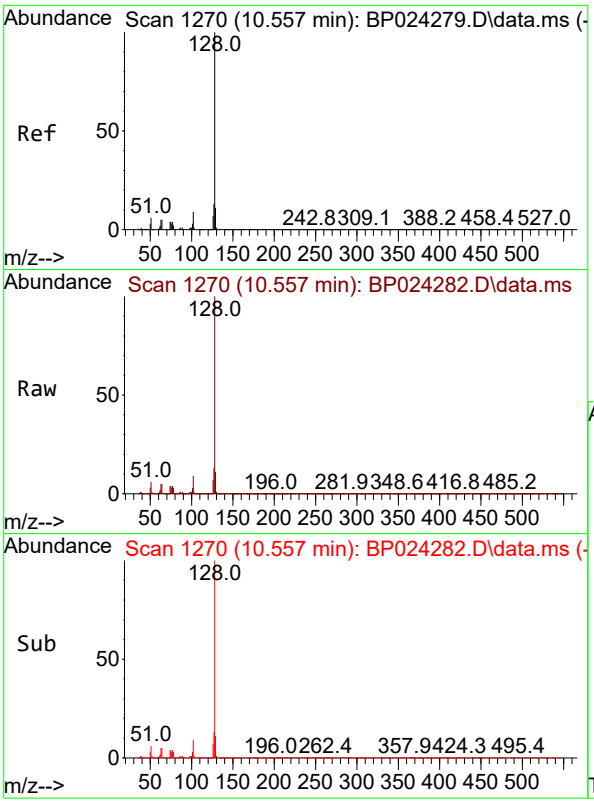


#30
1,2,4-Trichlorobenzene
Concen: 78.272 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:180 Resp: 1252476

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.9	25.1	37.7



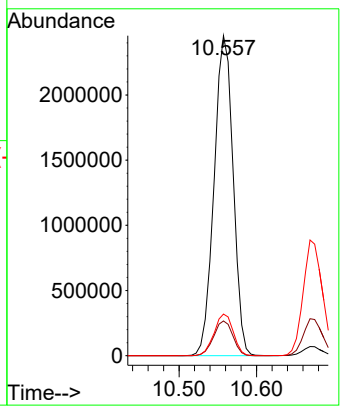


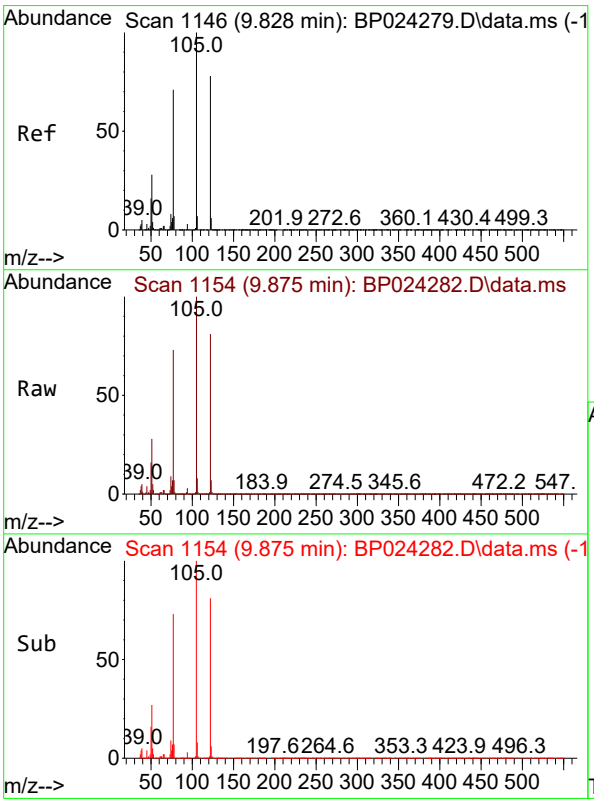
#31
Naphthalene
Concen: 77.287 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 4190486

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.3	15.5

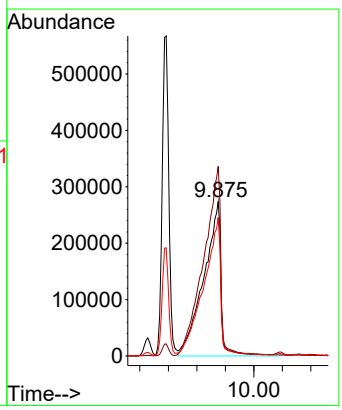


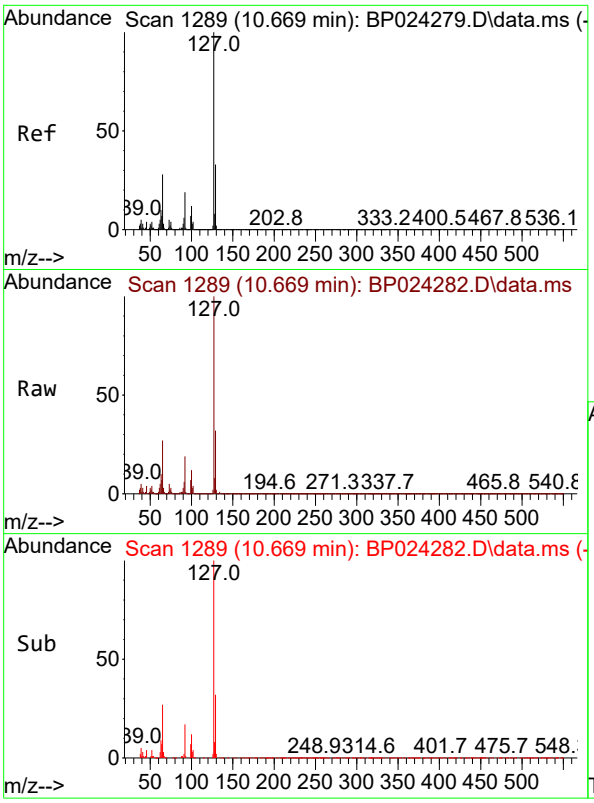


#32
Benzoic acid
Concen: 98.425 ng m
RT: 9.875 min Scan# 1154
Delta R.T. 0.047 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:122 Resp: 1154243

Ion	Ratio	Lower	Upper
122	100		
105	122.9	104.8	144.8
77	89.8	69.2	109.2



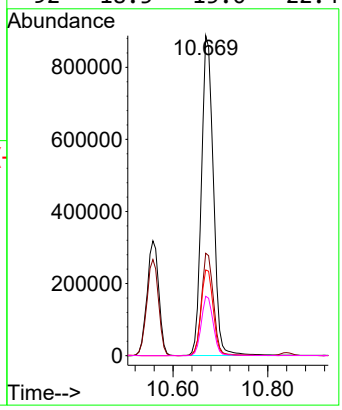


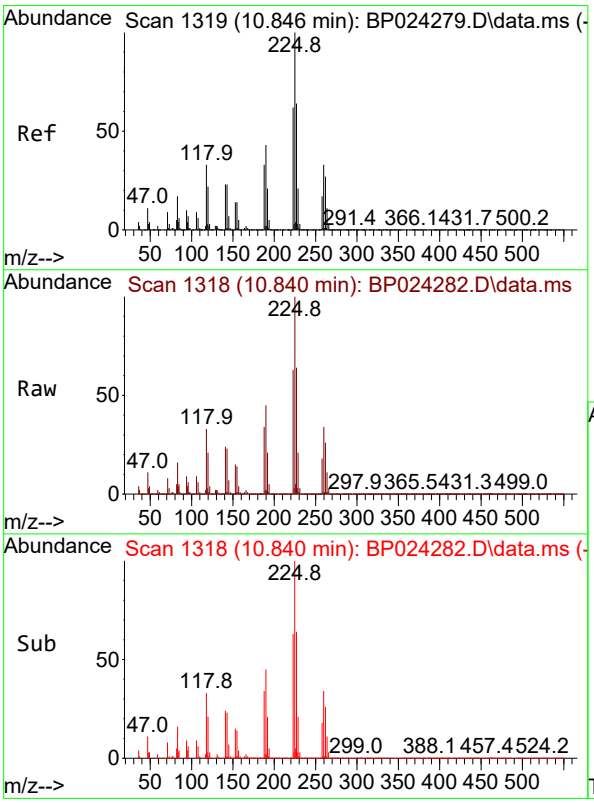
#33
4-Chloroaniline
Concen: 81.682 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1547427

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	26.8	22.1	33.1
92	18.5	15.0	22.4

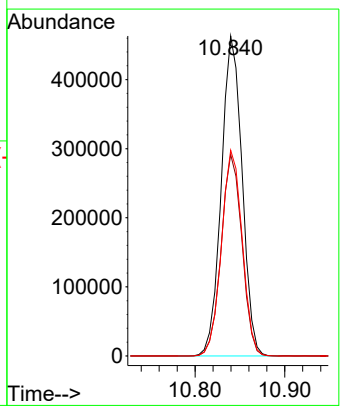


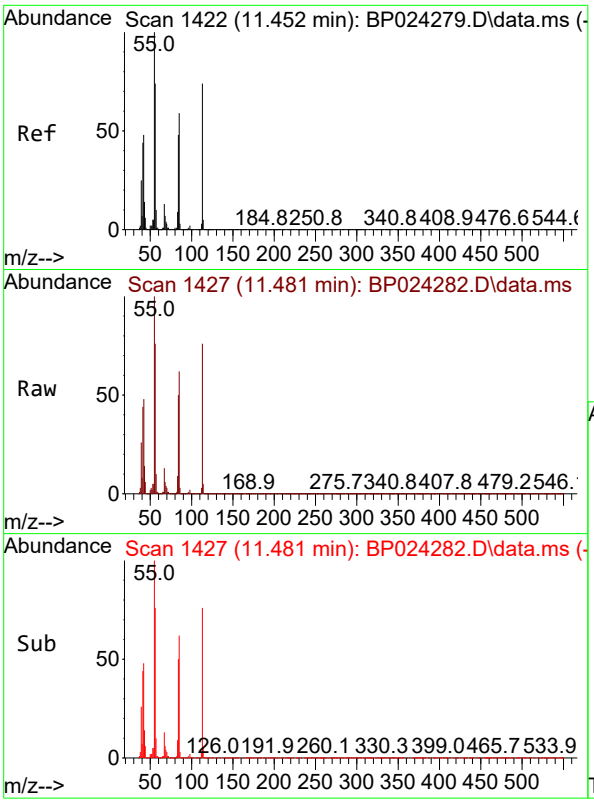


#34
Hexachlorobutadiene
Concen: 79.240 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:225 Resp: 743811

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.5	74.3
227	64.3	50.9	76.3



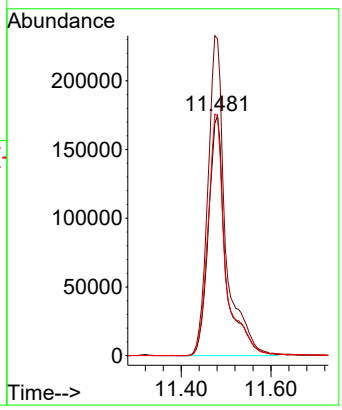


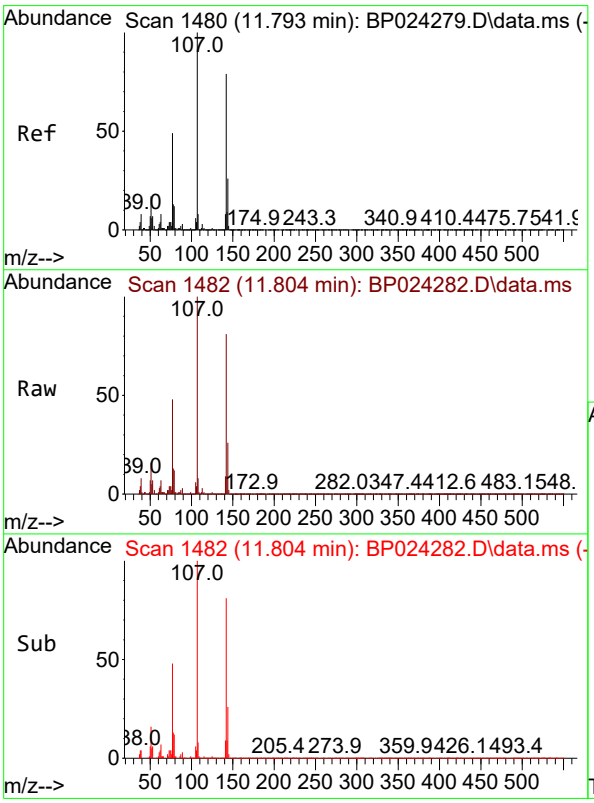
#35
Caprolactam
Concen: 86.534 ng
RT: 11.481 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 469910

Ion	Ratio	Lower	Upper
113	100		
55	131.9	115.9	155.9
56	99.8	81.1	121.1

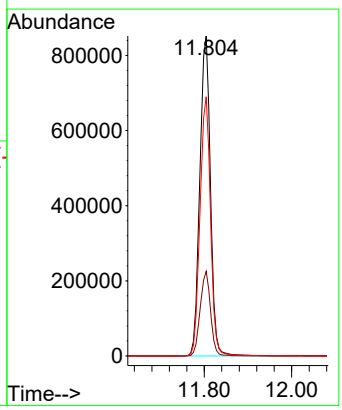


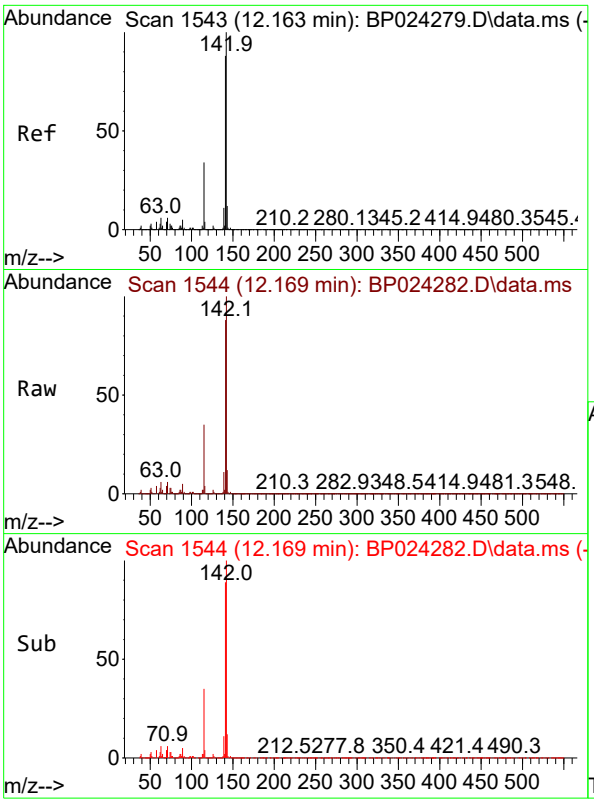


#36
4-Chloro-3-methylphenol
Concen: 83.468 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1438601

Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.5	30.7
142	81.0	63.4	95.2



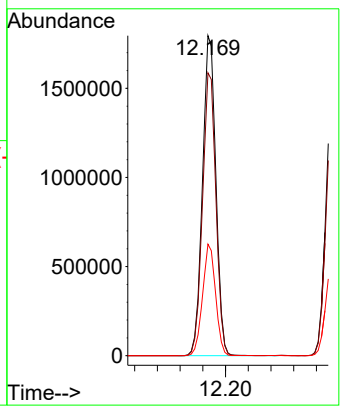


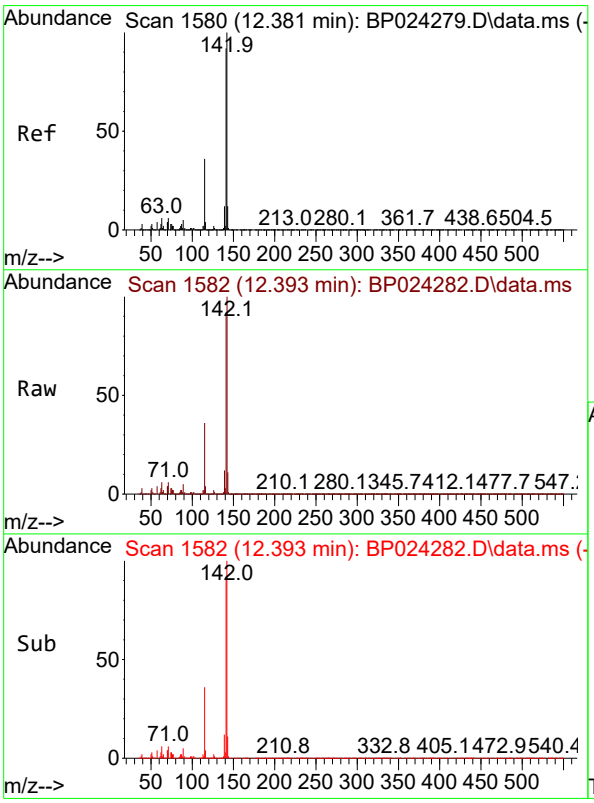
#37
2-Methylnaphthalene
Concen: 77.673 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2918685

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.9	26.9	40.3

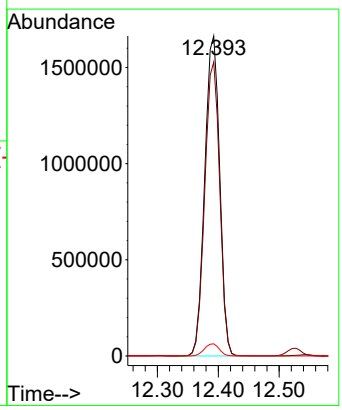


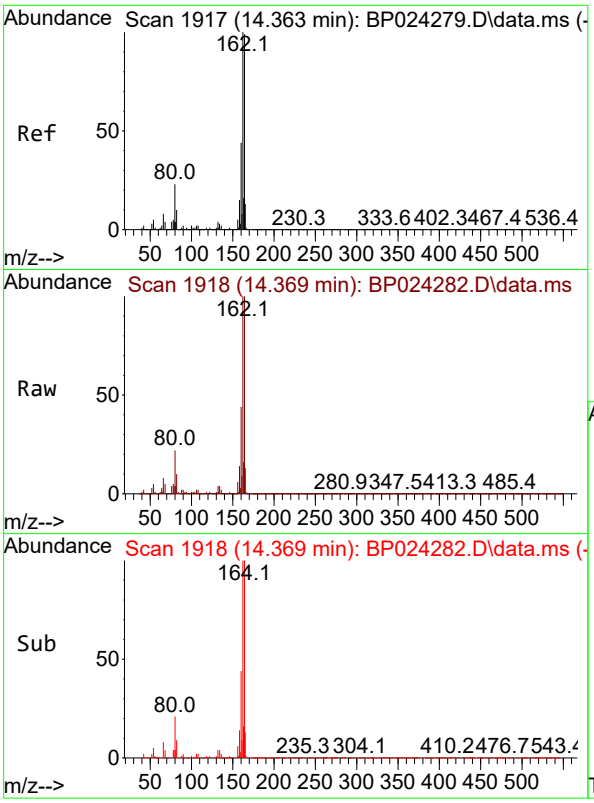


#38
1-Methylnaphthalene
Concen: 76.912 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:142 Resp: 2831173

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4
116	3.8	3.0	4.6



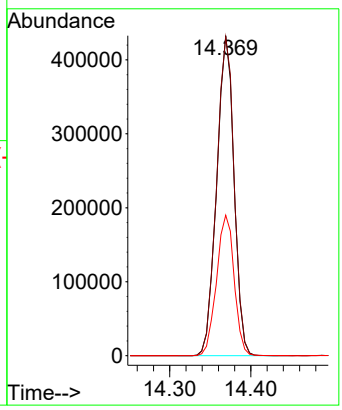


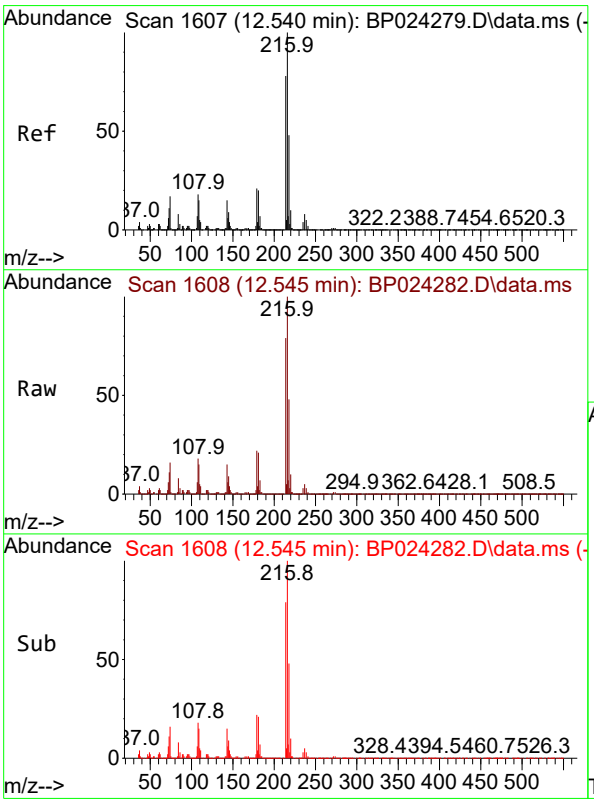
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 641442

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.9	35.3	52.9

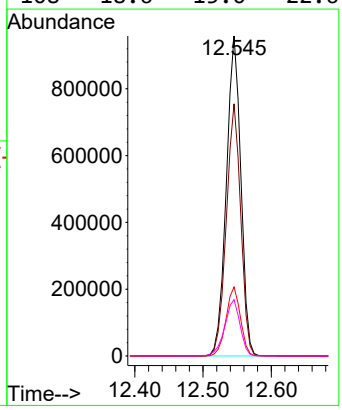


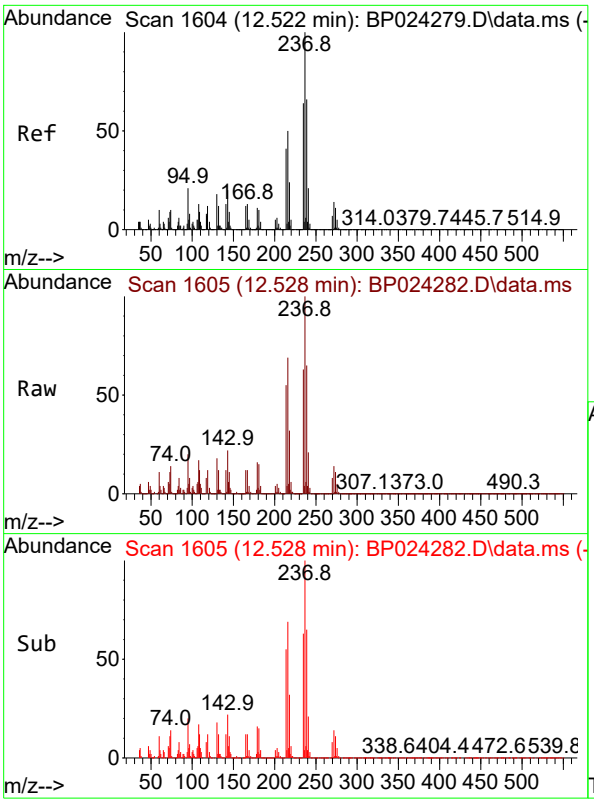


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.378 ng
RT: 12.545 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:216 Resp: 1416894

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	93.8
179	21.5	17.2	25.8
108	18.6	15.0	22.6



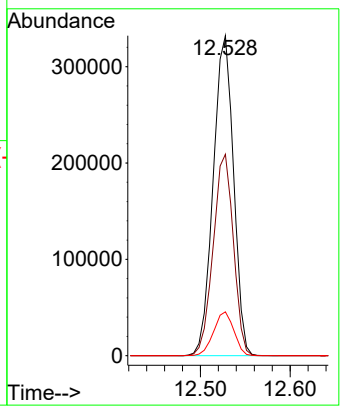


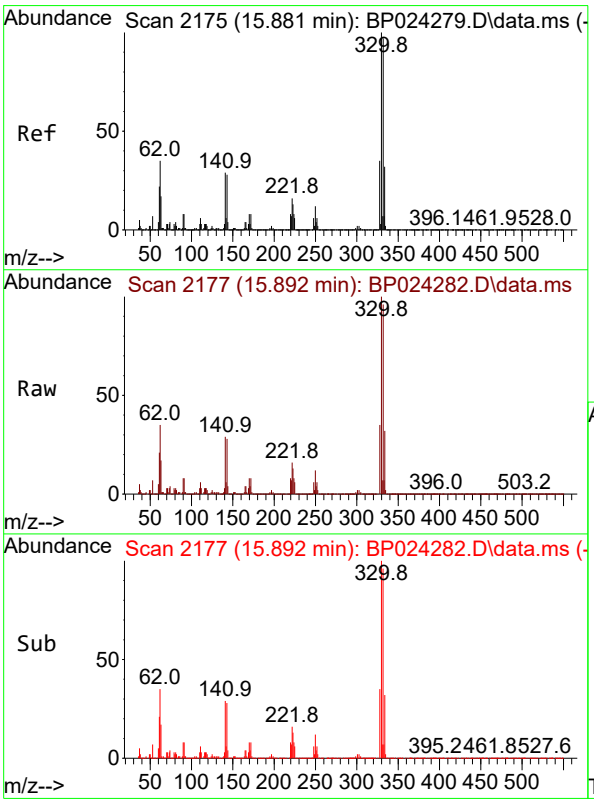
#41
Hexachlorocyclopentadiene
Concen: 84.532 ng
RT: 12.528 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 523136

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.9	83.9
272	13.7	0.0	33.6

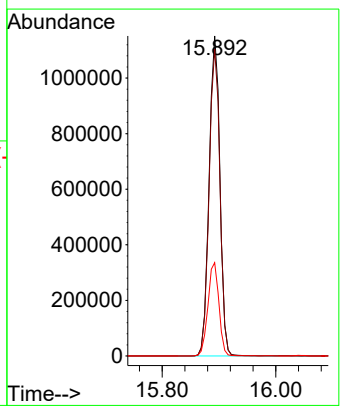


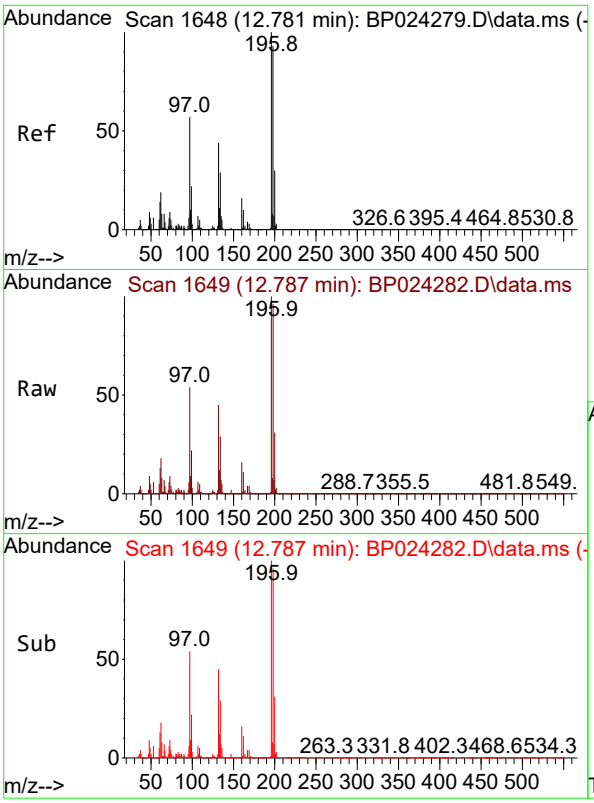


#42
2,4,6-Tribromophenol
Concen: 171.633 ng
RT: 15.892 min Scan# 2177
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:330 Resp: 1507534

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	29.7	24.7	37.1



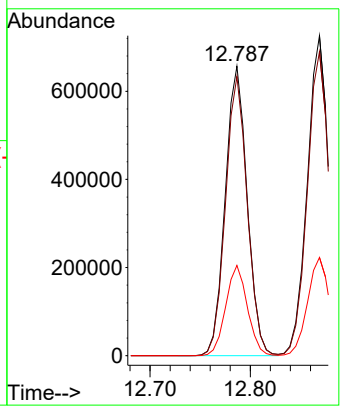


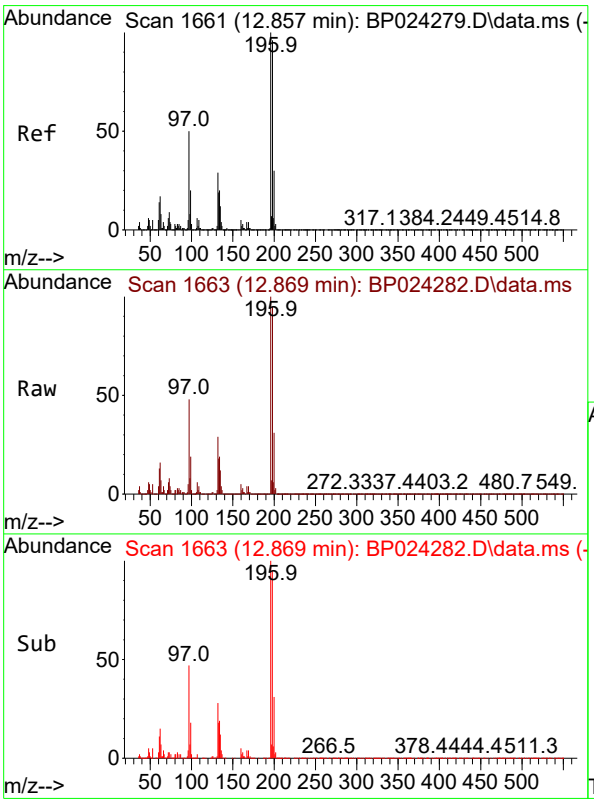
#43
2,4,6-Trichlorophenol
Concen: 86.244 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1000309

Ion	Ratio	Lower	Upper
196	100		
198	96.5	74.3	111.5
200	31.2	24.0	36.0

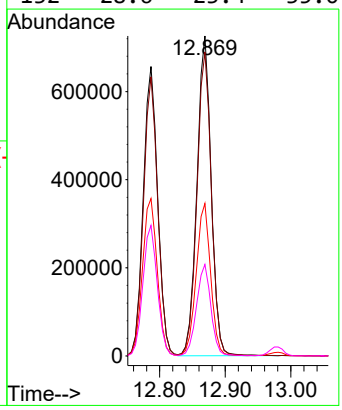


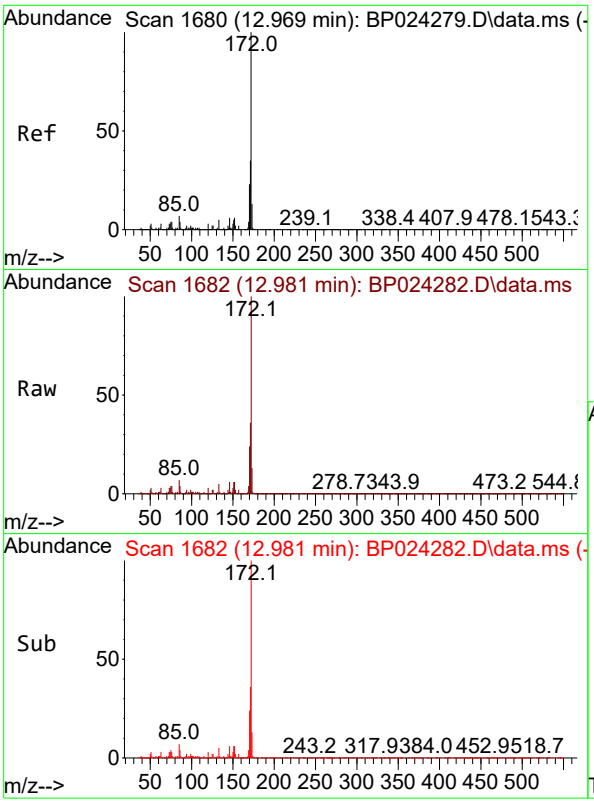


#44
2,4,5-Trichlorophenol
Concen: 85.819 ng
RT: 12.869 min Scan# 1663
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:196 Resp: 1103073

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.7	40.4	60.6
132	28.6	23.4	35.0



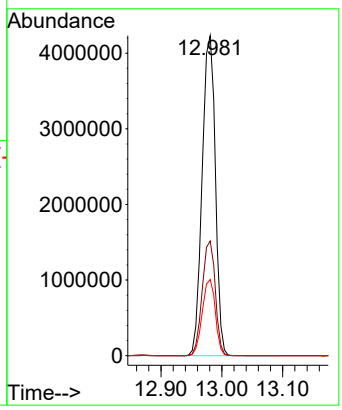


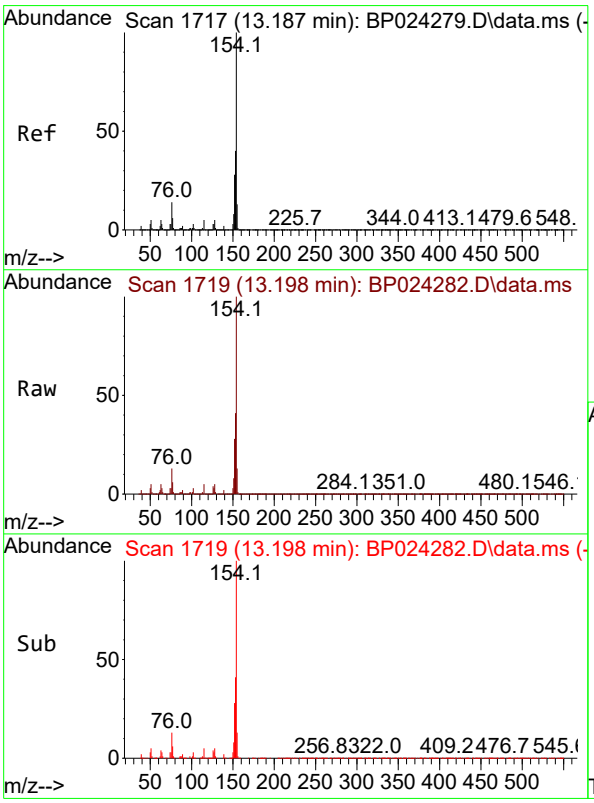
#45
2-Fluorobiphenyl
Concen: 150.596 ng
RT: 12.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 6362479

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.8	18.6	27.8

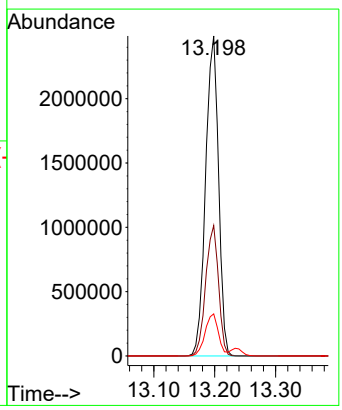


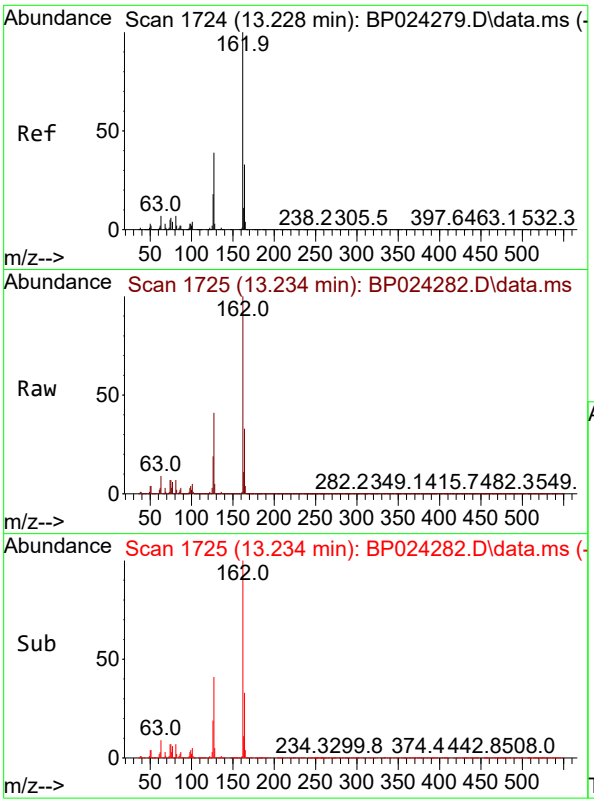


#46
1,1'-Biphenyl
Concen: 77.381 ng
RT: 13.198 min Scan# 1719
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 3665607

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	13.2	0.0	33.5



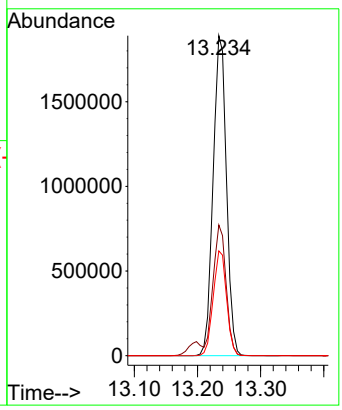


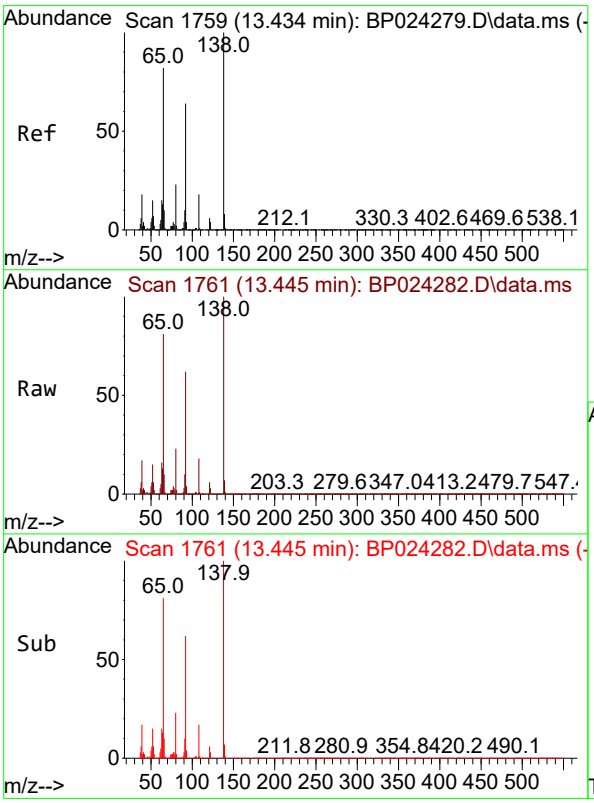
#47
2-Chloronaphthalene
Concen: 78.257 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2766302

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.8	26.2	39.4

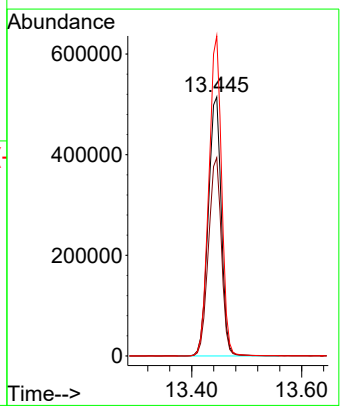


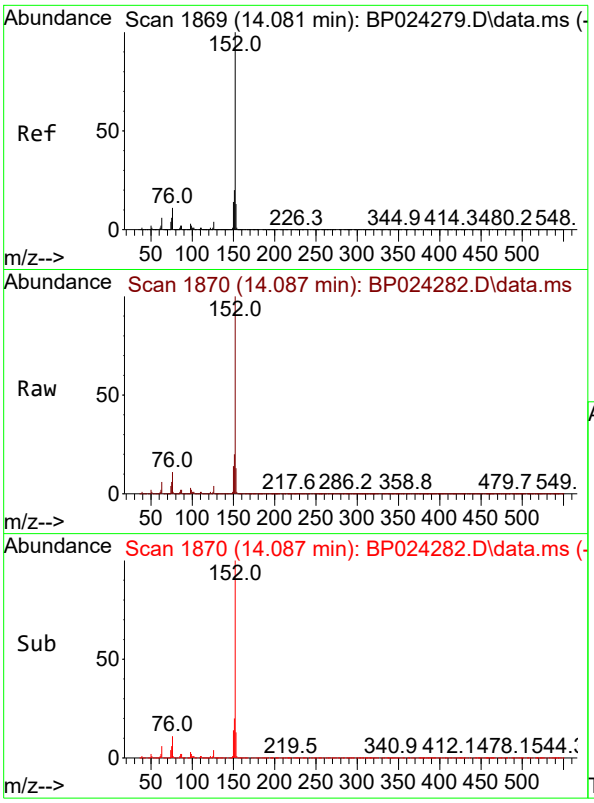


#48
2-Nitroaniline
Concen: 86.912 ng
RT: 13.445 min Scan# 1761
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 65 Resp: 848619

Ion	Ratio	Lower	Upper
65	100		
92	76.5	62.3	93.5
138	123.5	97.2	145.8



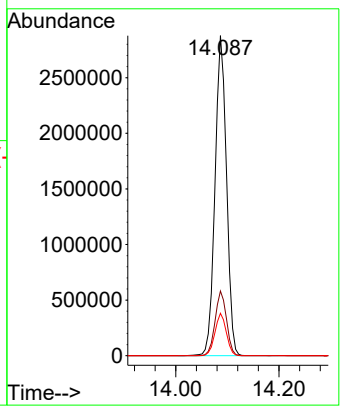


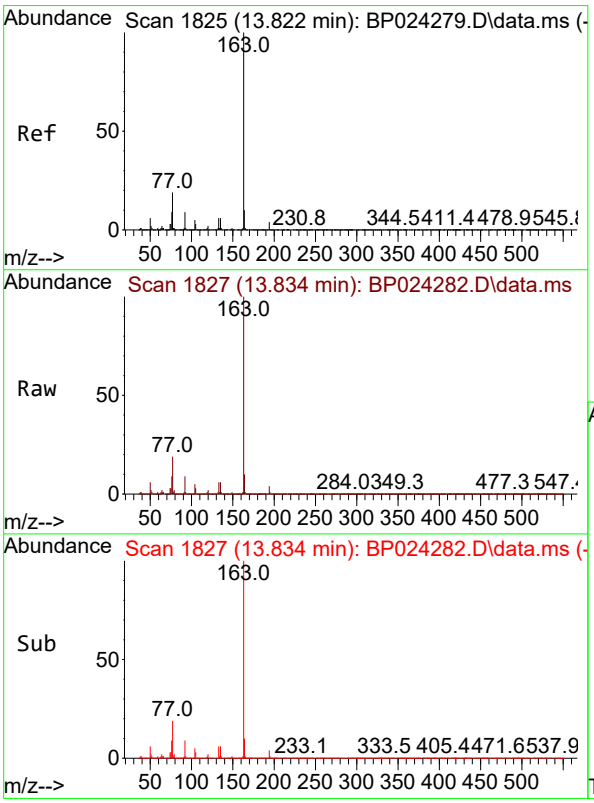
#49
Acenaphthylene
Concen: 80.004 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4438648

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.2	10.6	15.8

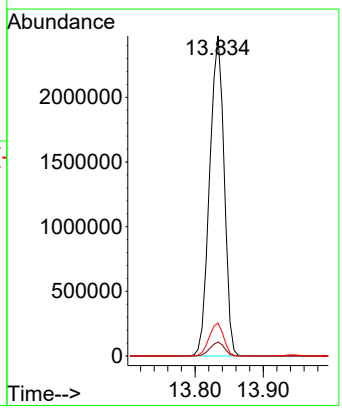


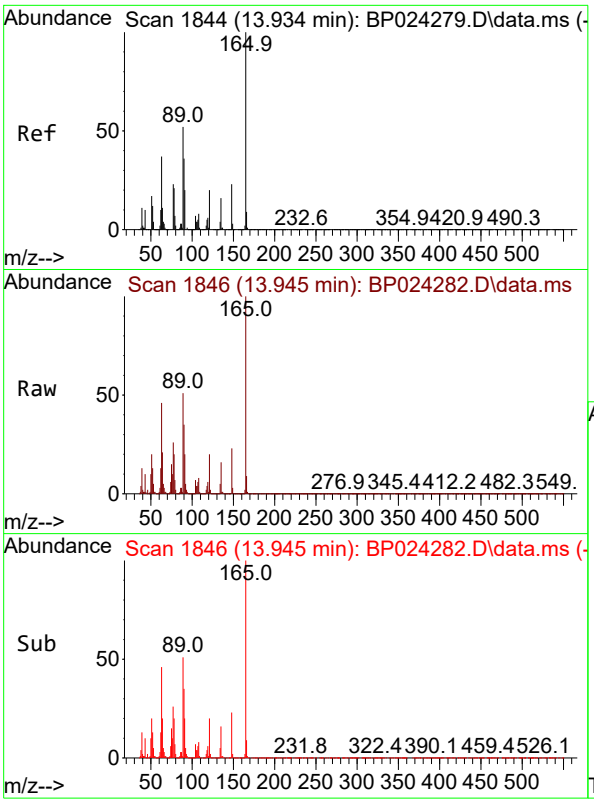


#50
Dimethylphthalate
Concen: 78.201 ng
RT: 13.834 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:163 Resp: 3659579

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.3	8.0	12.0



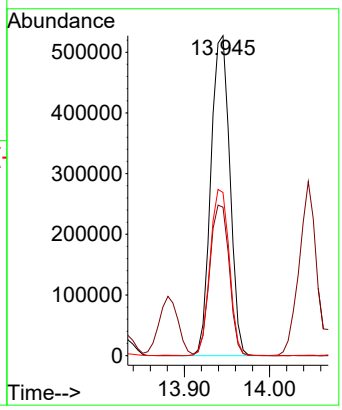


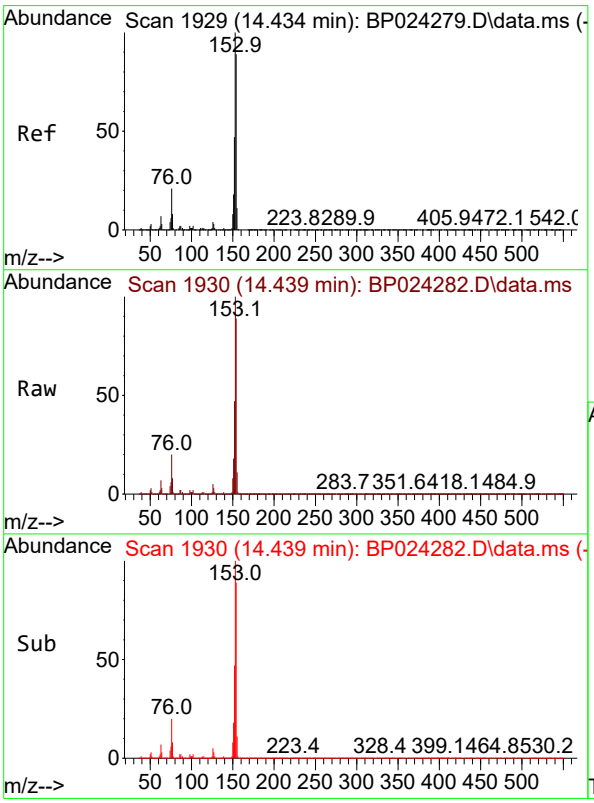
#51
2,6-Dinitrotoluene
Concen: 82.589 ng
RT: 13.945 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 814314

Ion	Ratio	Lower	Upper
165	100		
63	46.4	38.0	57.0
89	51.0	41.7	62.5

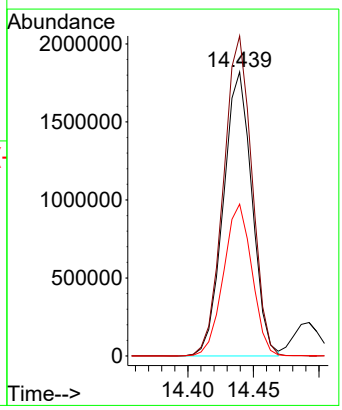


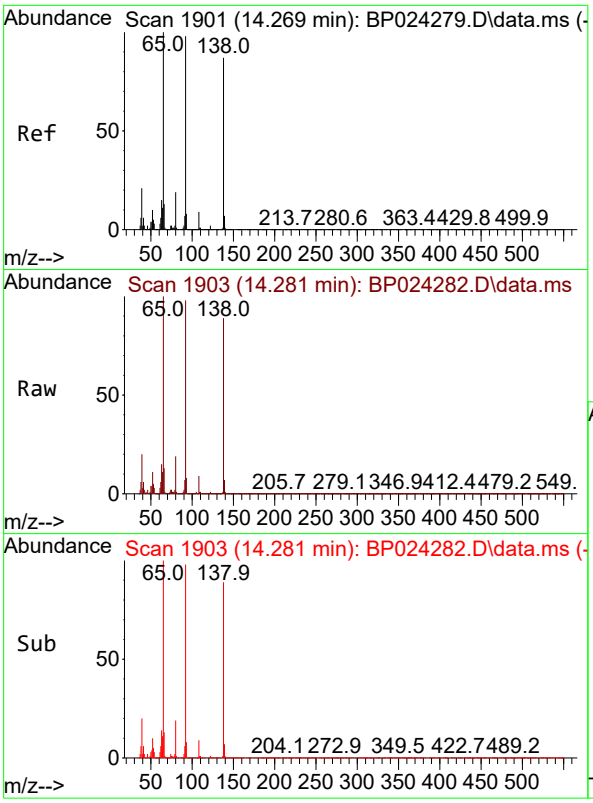


#52
Acenaphthene
Concen: 78.270 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 2761536

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.6
152	53.5	42.6	63.8



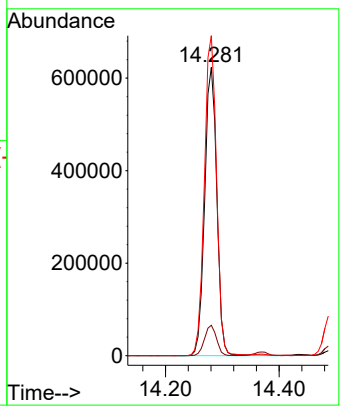


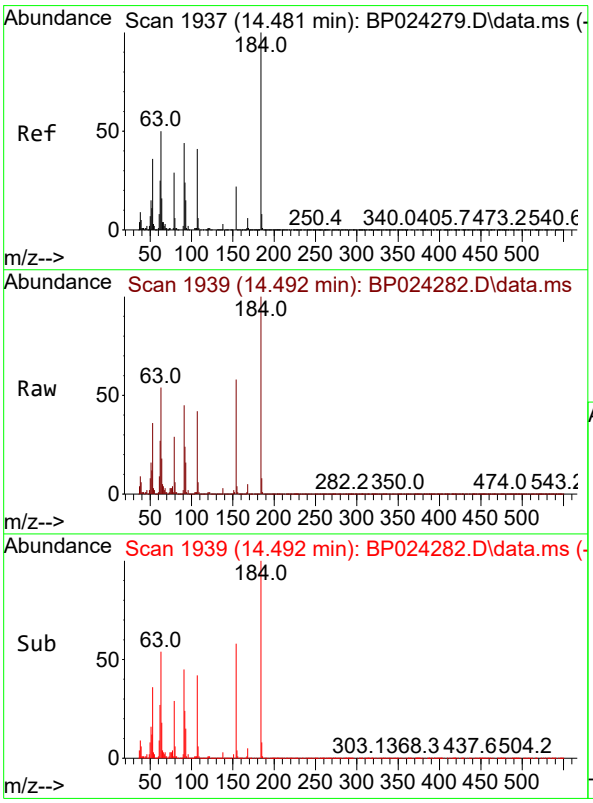
#53
3-Nitroaniline
Concen: 89.913 ng
RT: 14.281 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 919775

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.0	89.8	134.8

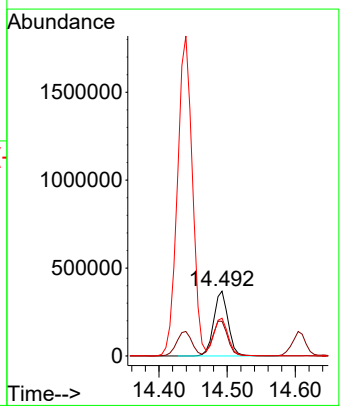


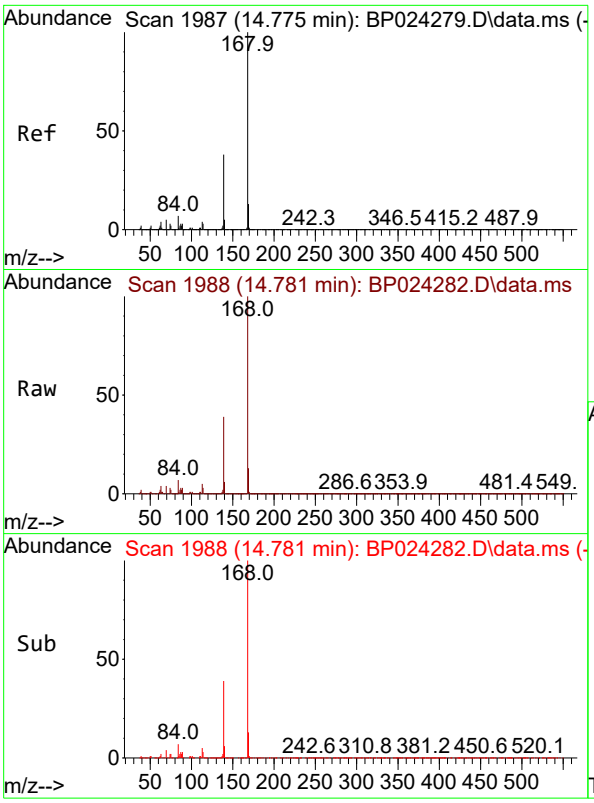


#54
2,4-Dinitrophenol
Concen: 102.567 ng
RT: 14.492 min Scan# 1939
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 541483

Ion	Ratio	Lower	Upper
184	100		
63	53.6	42.6	64.0
154	58.2	47.2	70.8



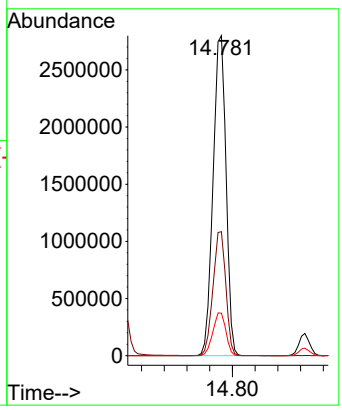


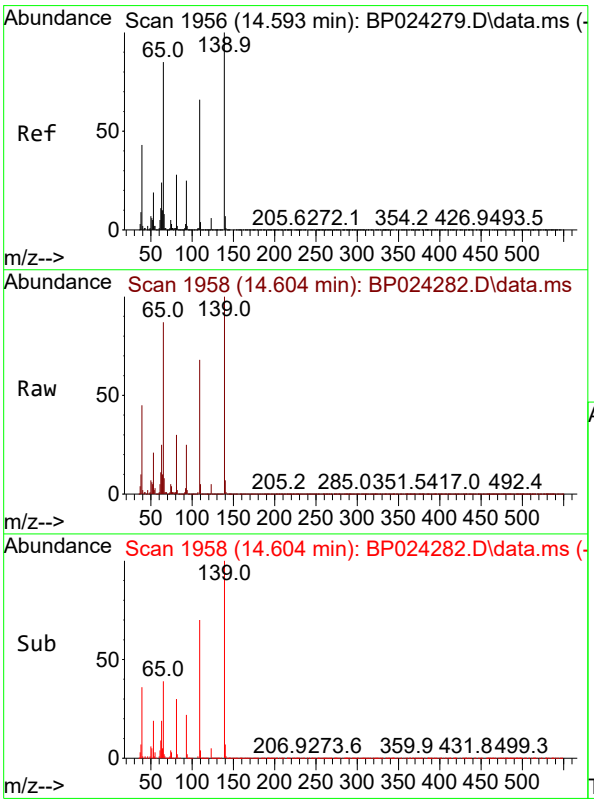
#55
Dibenzofuran
Concen: 76.402 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4420987

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.3	45.5
169	13.3	10.6	16.0

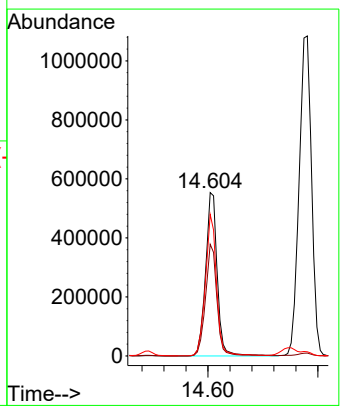


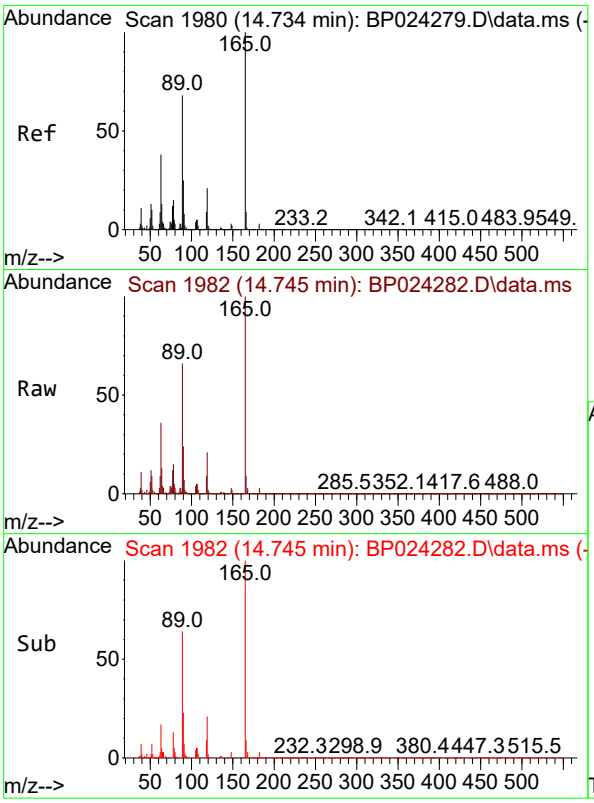


#56
4-Nitrophenol
Concen: 92.599 ng
RT: 14.604 min Scan# 1958
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 814261

Ion	Ratio	Lower	Upper
139	100		
109	68.4	46.1	86.1
65	86.6	65.0	105.0



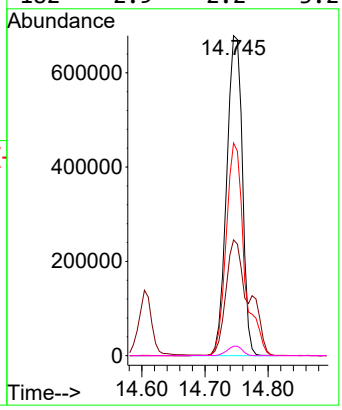


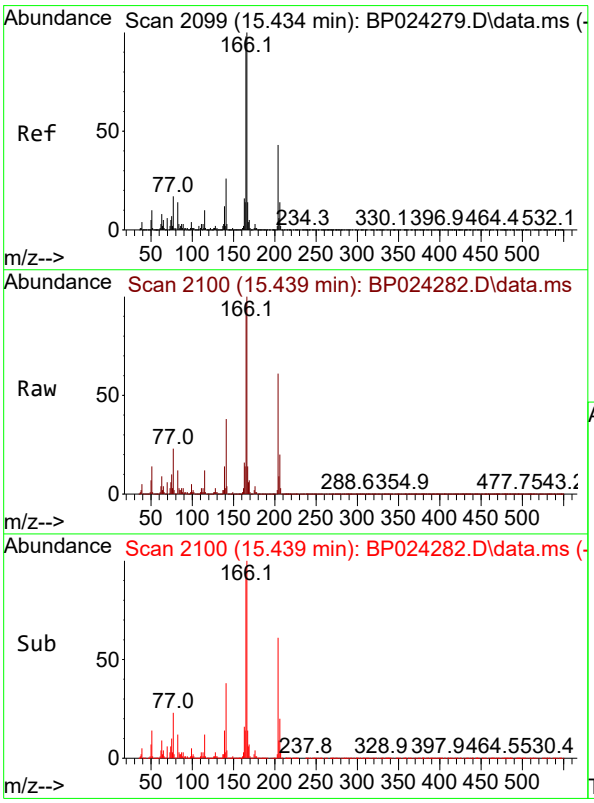
#57
2,4-Dinitrotoluene
Concen: 87.755 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1169554

Ion	Ratio	Lower	Upper
165	100		
63	36.2	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

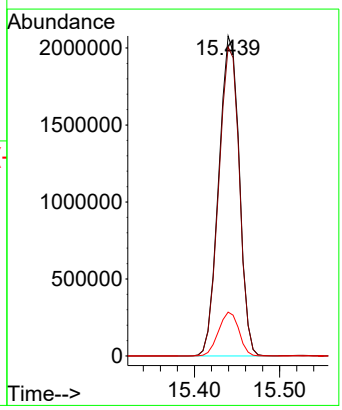


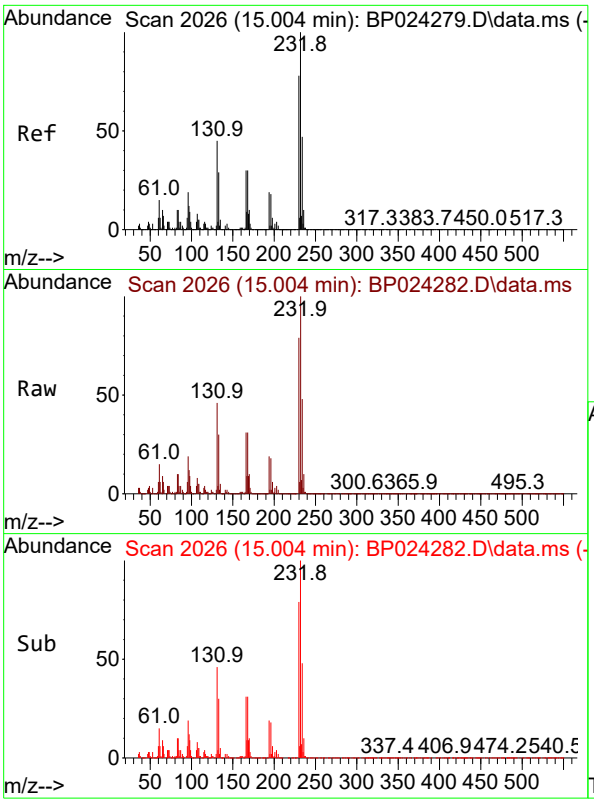


#58
Fluorene
Concen: 77.873 ng
RT: 15.439 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:166 Resp: 3479094

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.1	117.1
167	13.7	10.9	16.3



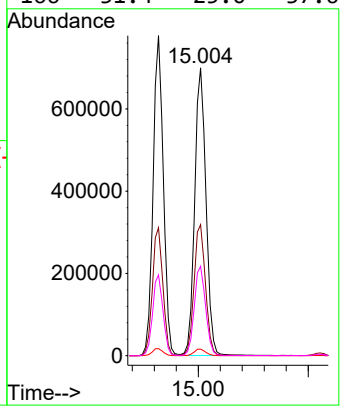


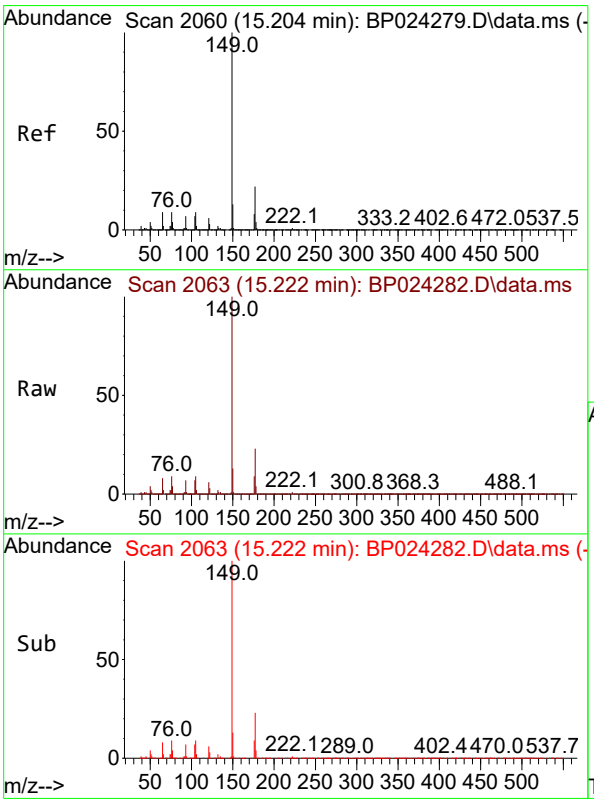
#59
2,3,4,6-Tetrachlorophenol
Concen: 84.031 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 999335

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.8	55.2
130	2.4	1.9	2.9
166	31.4	25.0	37.6

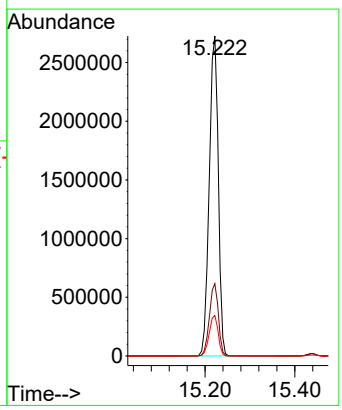


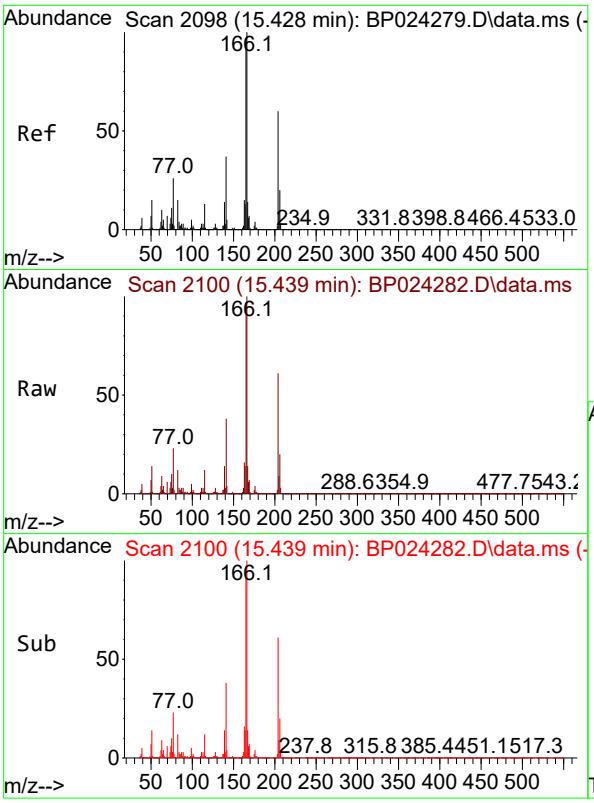


#60
Diethylphthalate
Concen: 78.910 ng
RT: 15.222 min Scan# 2063
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 3800651

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.4	26.2
150	12.6	10.1	15.1



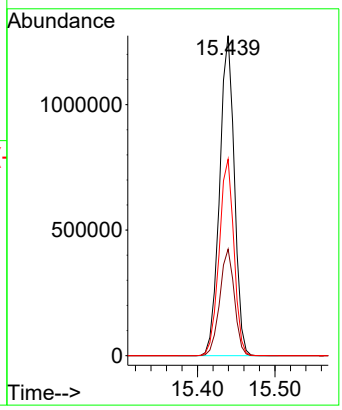


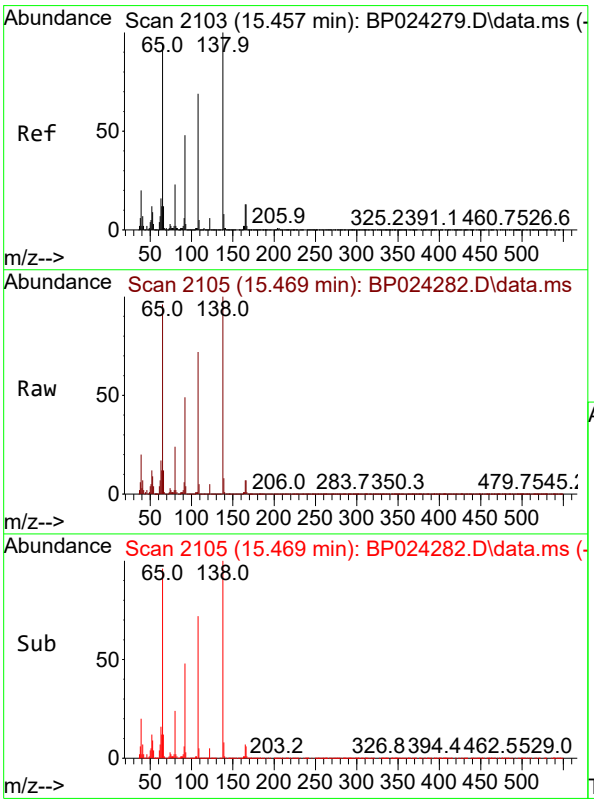
#61
4-Chlorophenyl-phenylether
Concen: 77.881 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1689620

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.4	49.4	74.0

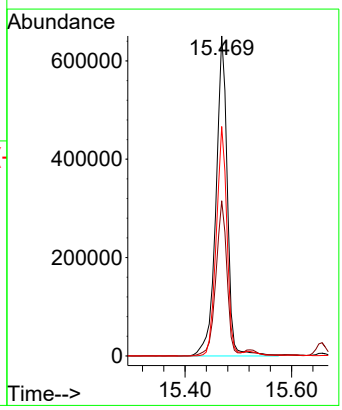


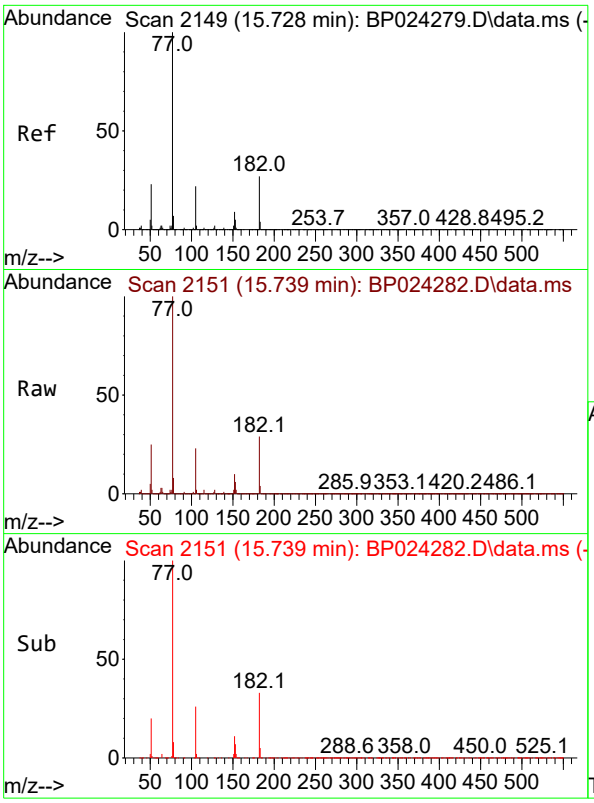


#62
4-Nitroaniline
Concen: 89.063 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:138 Resp: 965926

Ion	Ratio	Lower	Upper
138	100		
92	48.5	27.8	67.8
108	71.7	48.9	88.9



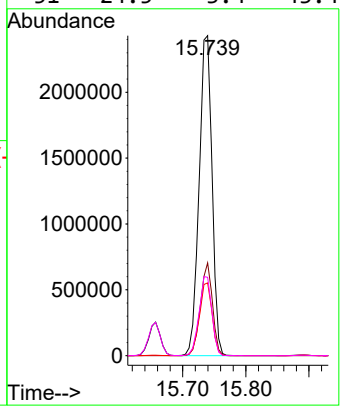


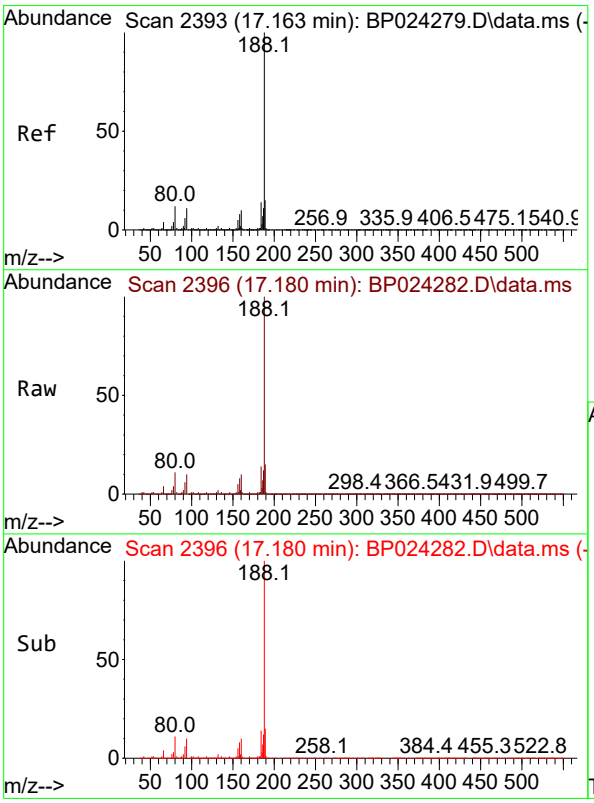
#63
Azobenzene
Concen: 77.741 ng
RT: 15.739 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 3448680

Ion	Ratio	Lower	Upper
77	100		
182	29.0	7.3	47.3
105	22.7	2.3	42.3
51	24.5	3.4	43.4

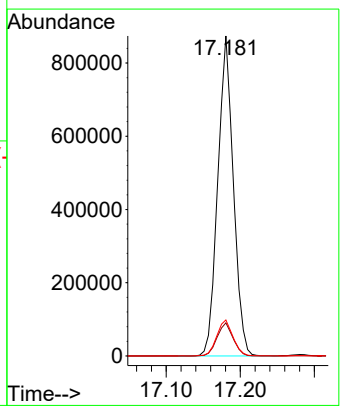


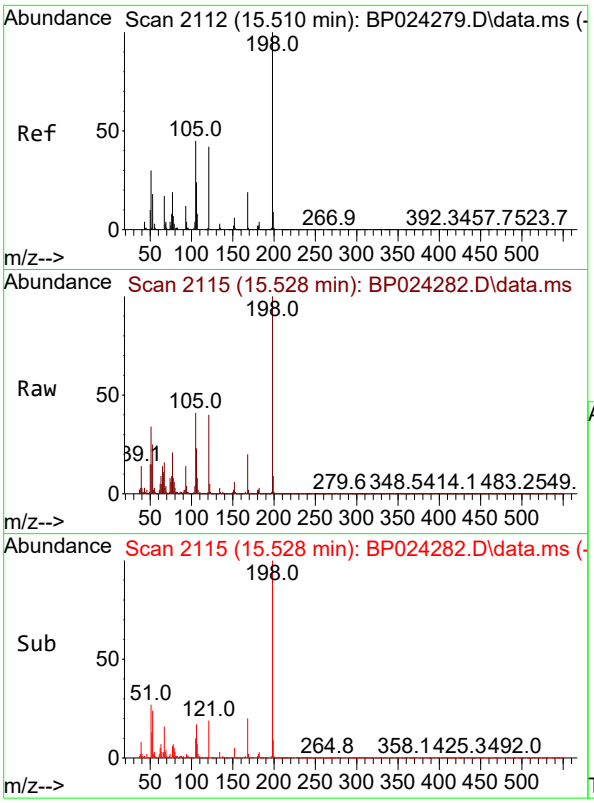


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:188 Resp: 1279313

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.2	9.8	14.6



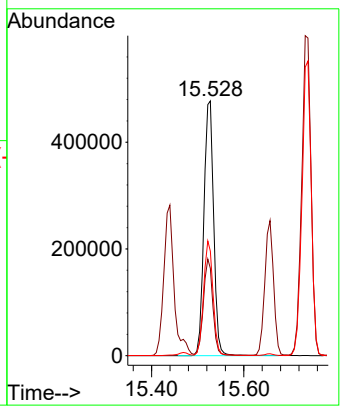


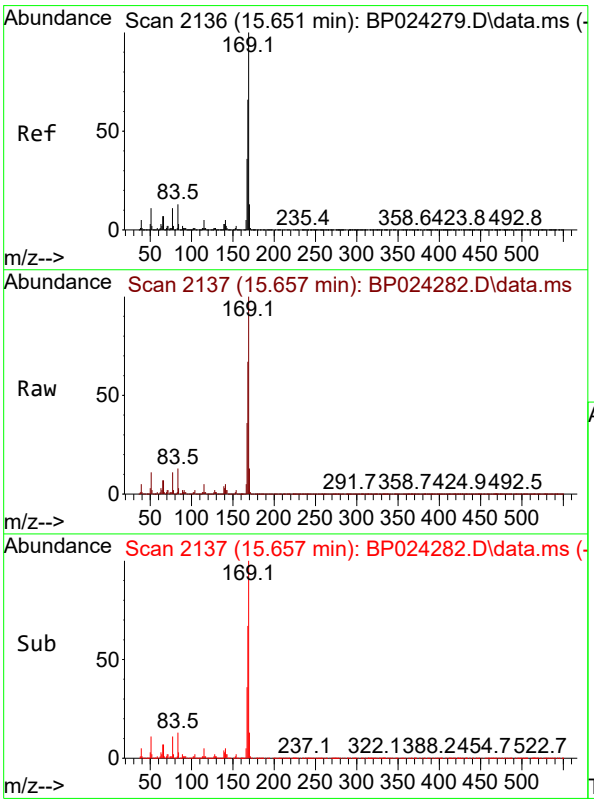
#65
4,6-Dinitro-2-methylphenol
Concen: 94.385 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 705506

Ion	Ratio	Lower	Upper
198	100		
51	34.3	18.4	58.4
105	41.0	26.5	66.5

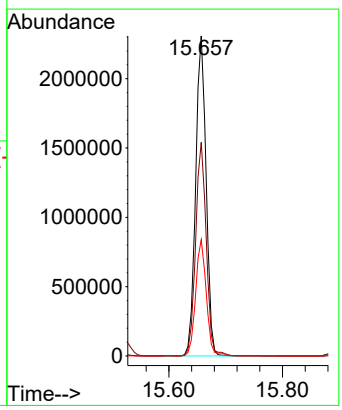


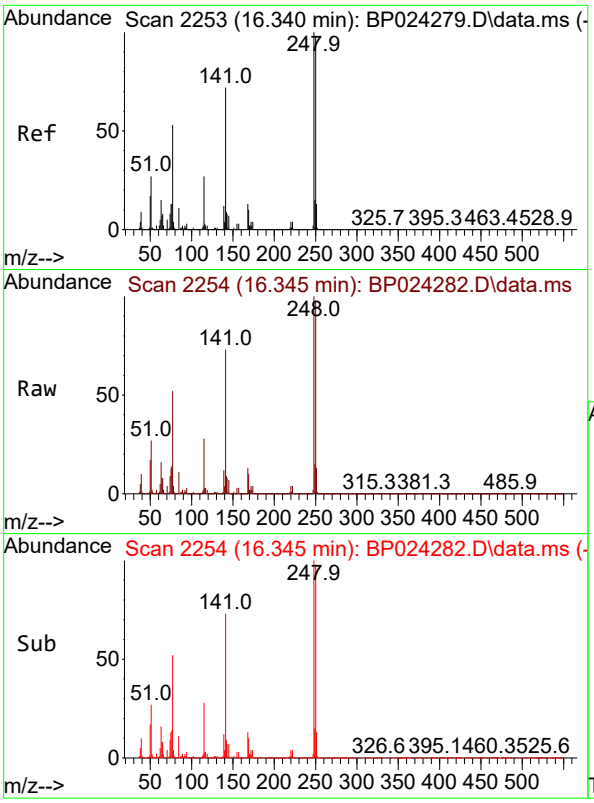


#66
n-Nitrosodiphenylamine
Concen: 77.438 ng
RT: 15.657 min Scan# 2137
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:169 Resp: 2970516

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.4
167	36.3	28.9	43.3



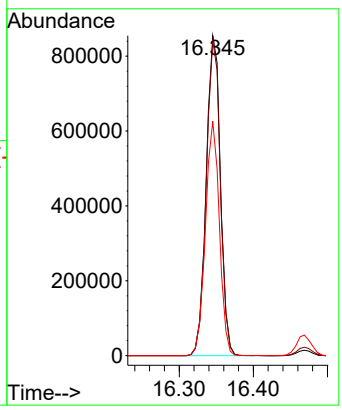


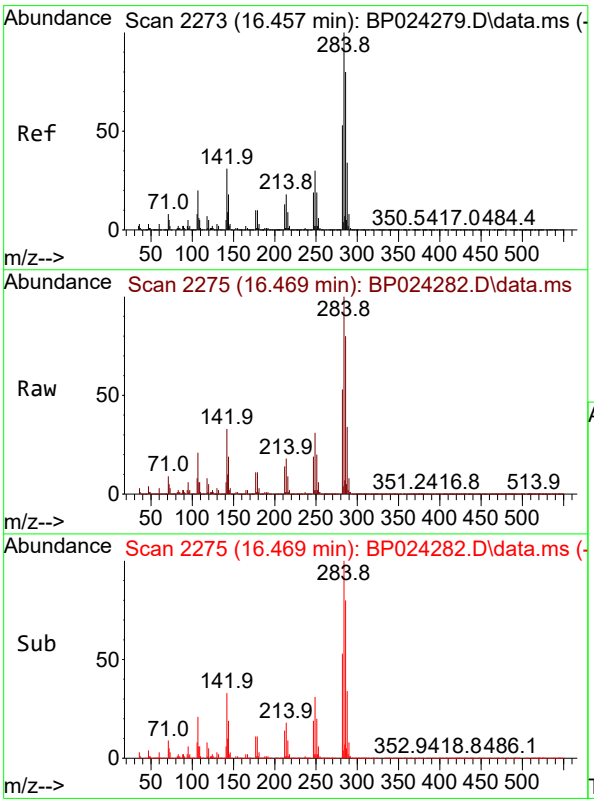
#67
4-Bromophenyl-phenylether
Concen: 81.488 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1137128

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.2	117.4
141	73.2	57.7	86.5

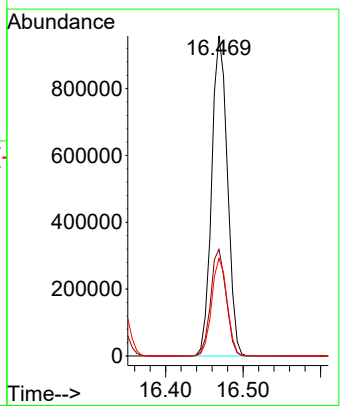


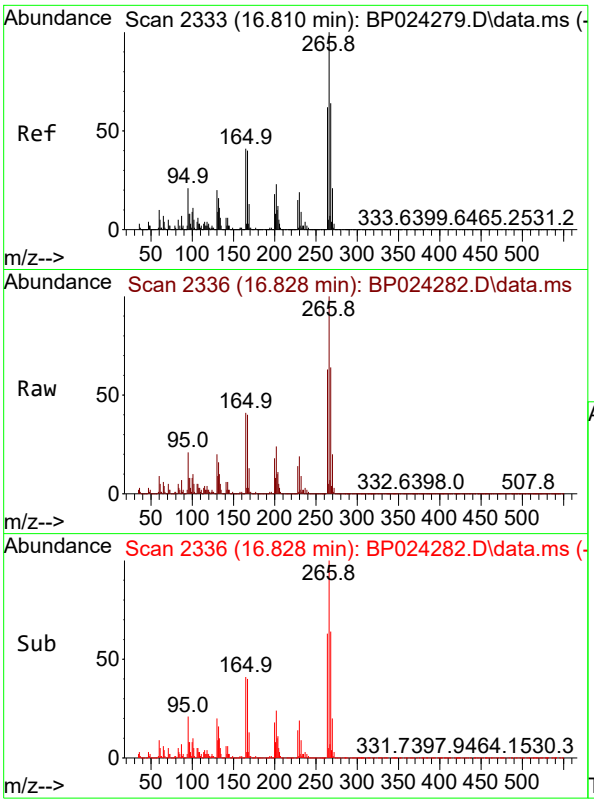


#68
Hexachlorobenzene
Concen: 81.231 ng
RT: 16.469 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:284 Resp: 1347567

Ion	Ratio	Lower	Upper
284	100		
142	33.3	24.6	37.0
249	30.5	23.8	35.6



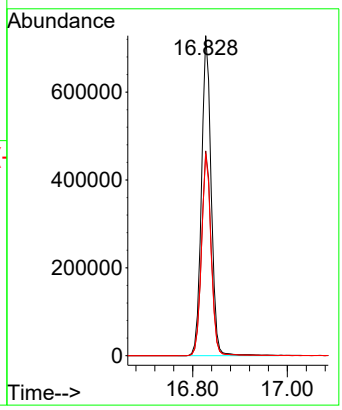


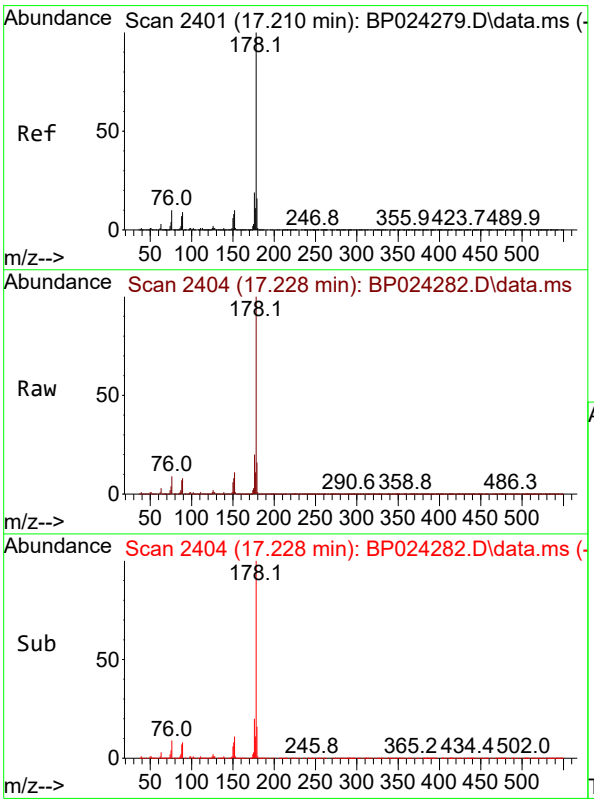
#70
Pentachlorophenol
Concen: 90.221 ng
RT: 16.828 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 1027691

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	63.1	49.8	74.6

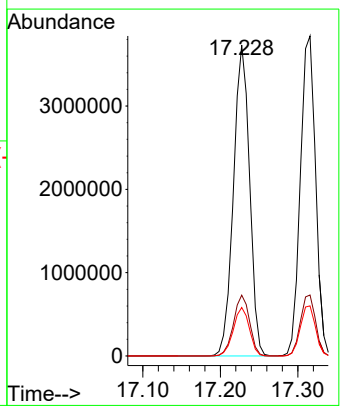


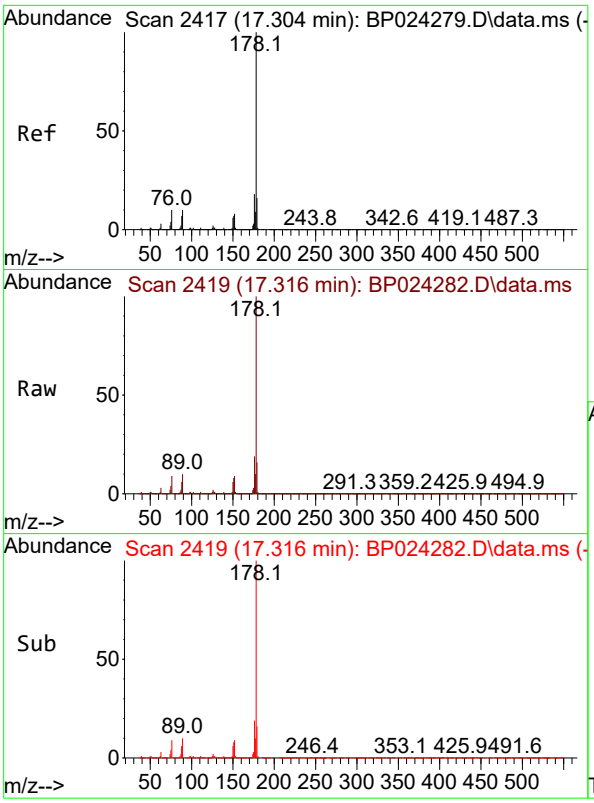


#71
Phenanthrene
Concen: 77.203 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:178 Resp: 5415046

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.5	18.7



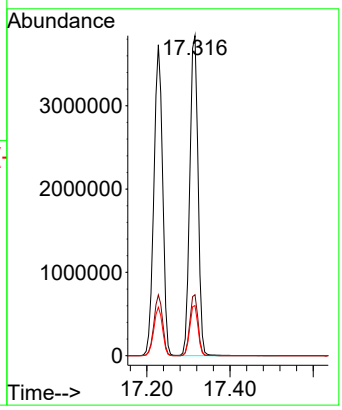


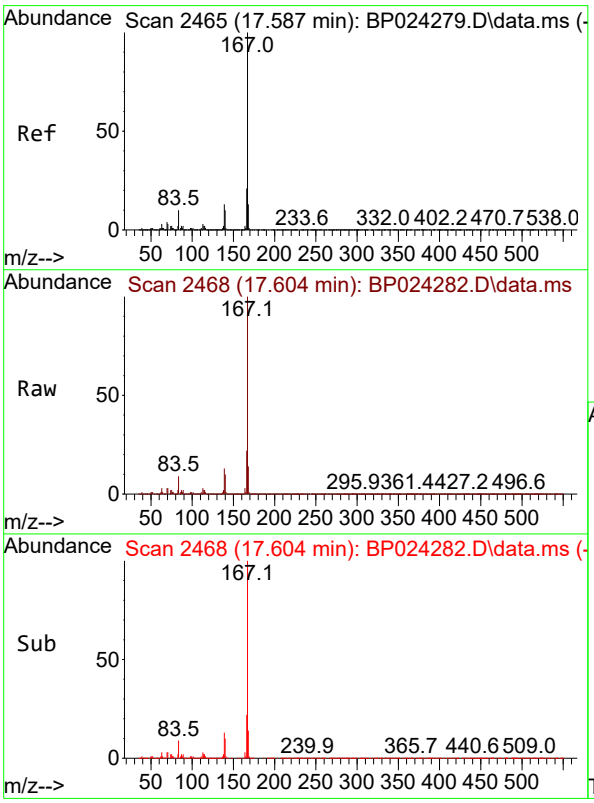
#72
Anthracene
Concen: 78.097 ng
RT: 17.316 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5270987

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.6	12.4	18.6

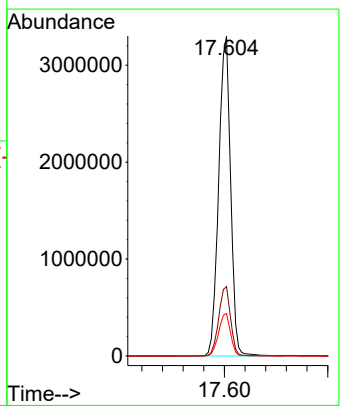


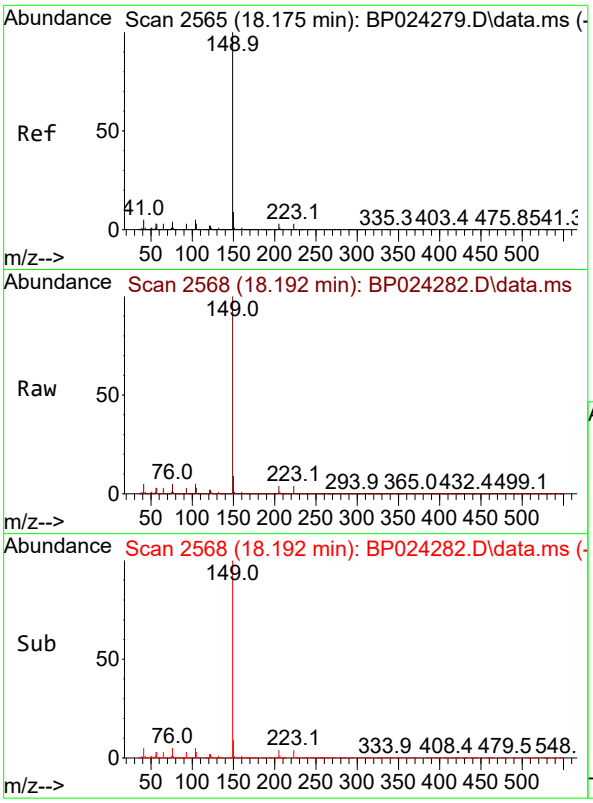


#73
Carbazole
Concen: 80.314 ng
RT: 17.604 min Scan# 2468
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:167 Resp: 5275449

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.2	10.6	16.0



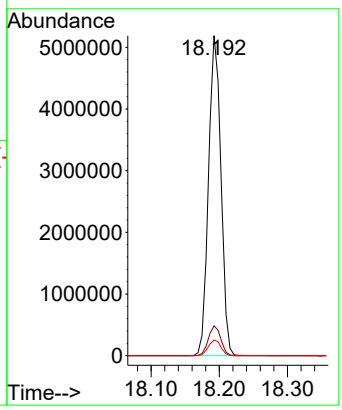


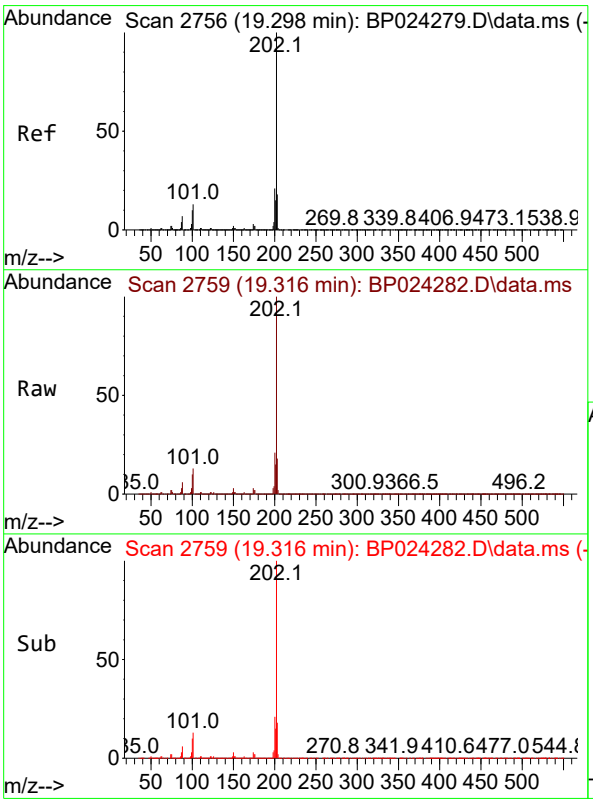
#74
Di-n-butylphthalate
Concen: 80.266 ng
RT: 18.192 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 6569078

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.9	3.9	5.9

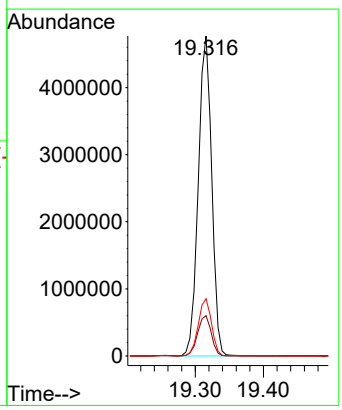


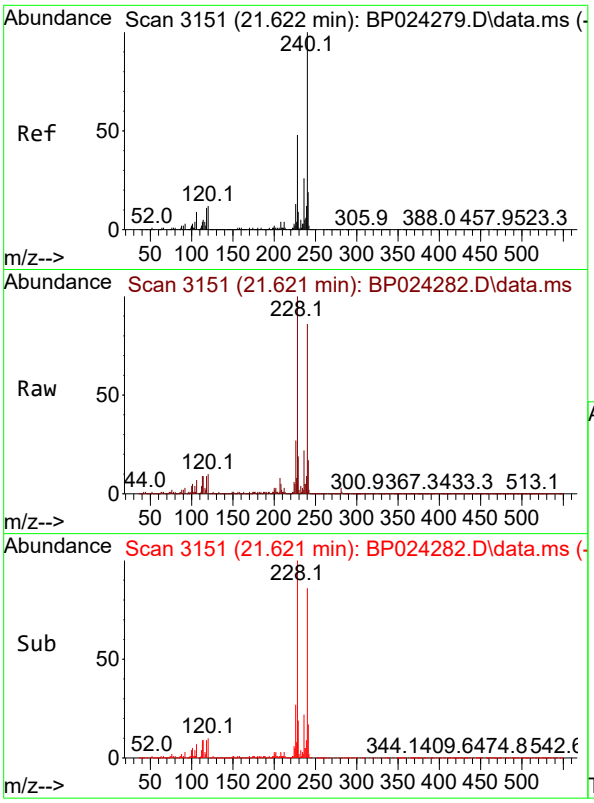


#75
Fluoranthene
Concen: 78.322 ng
RT: 19.316 min Scan# 2759
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:202 Resp: 6520527

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.9	0.0	37.7



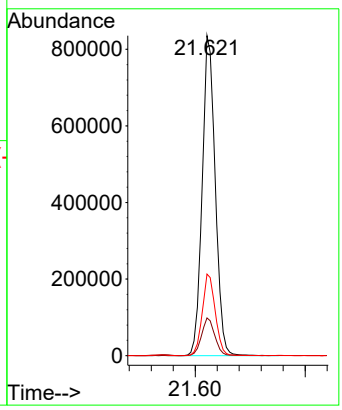


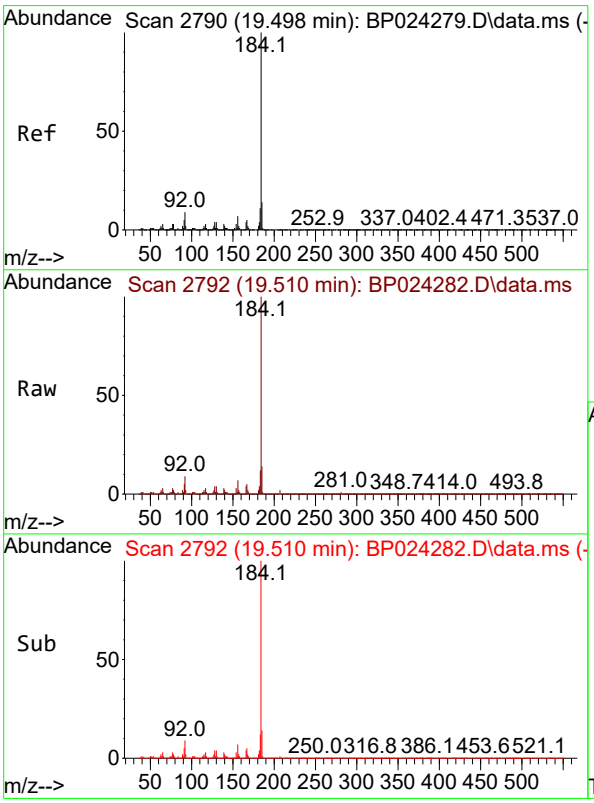
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 1378105

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.8	14.8
236	25.5	20.9	31.3

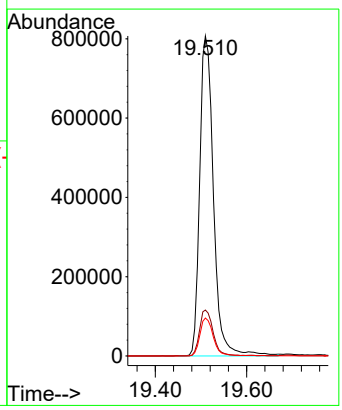


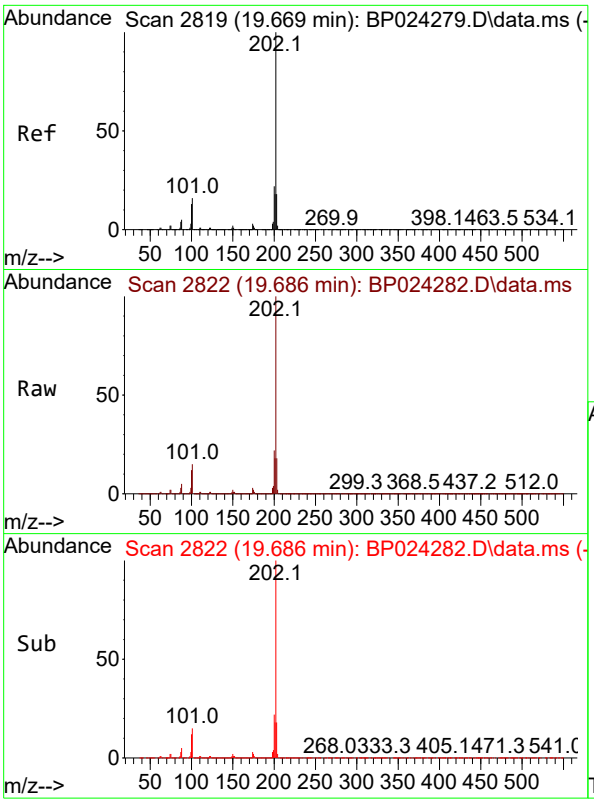


#77
Benzidine
Concen: 99.624 ng m
RT: 19.510 min Scan# 2792
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 1694694

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.8	9.2	13.8



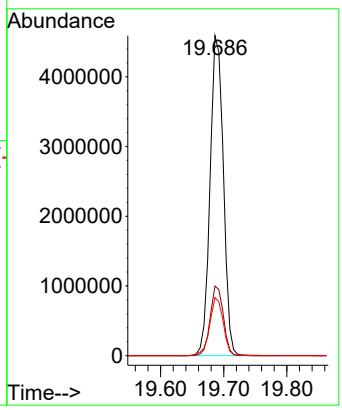


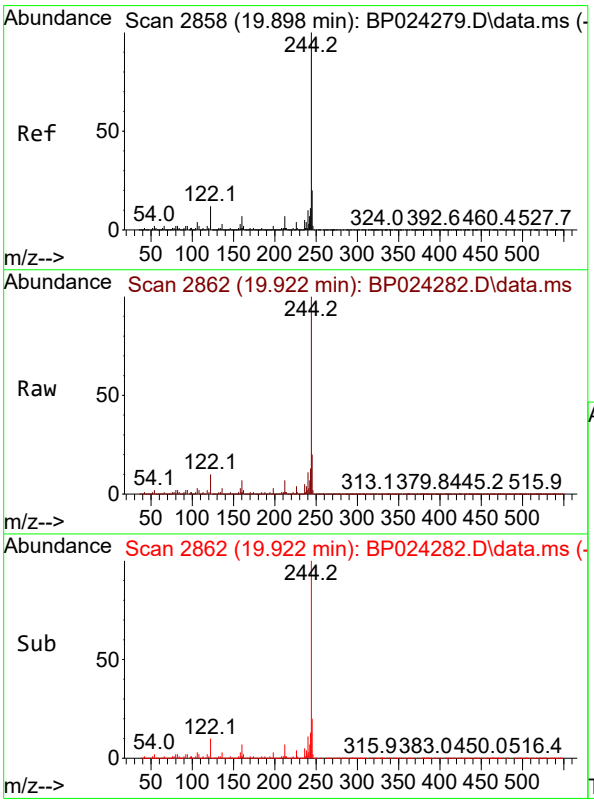
#78
Pyrene
Concen: 76.195 ng
RT: 19.686 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6718789

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	18.1	14.4	21.6

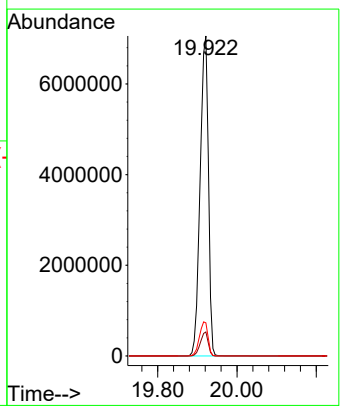


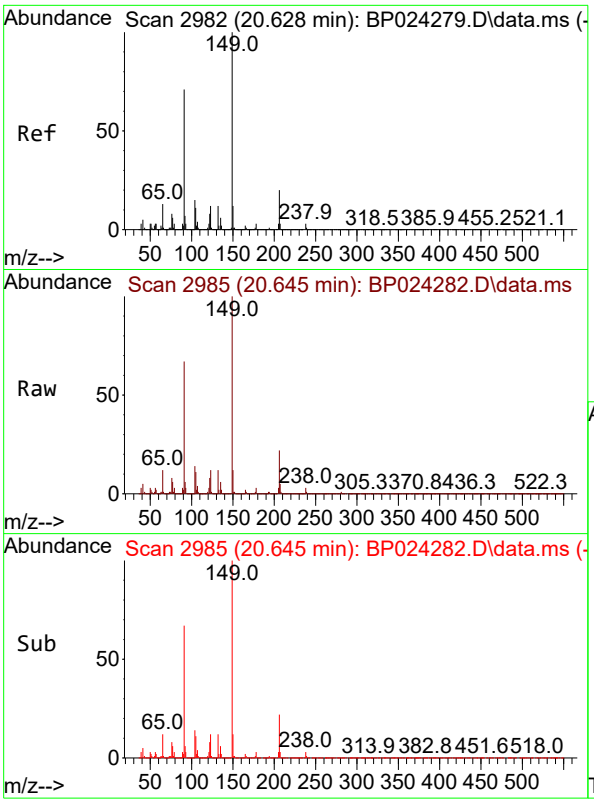


#79
Terphenyl-d14
Concen: 147.678 ng
RT: 19.922 min Scan# 2862
Delta R.T. 0.023 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:244 Resp:10209149

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	10.4	9.4	14.0



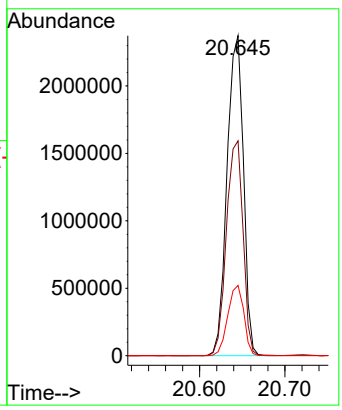


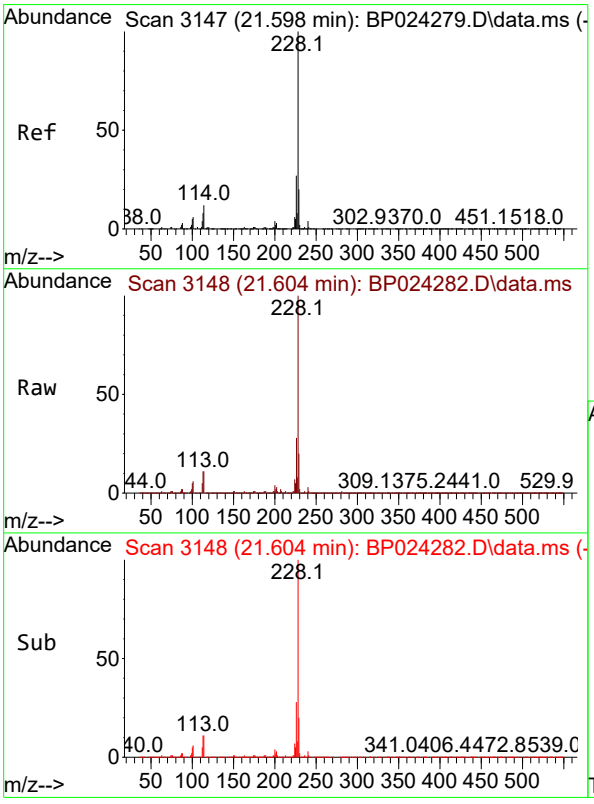
#80
Butylbenzylphthalate
Concen: 85.104 ng
RT: 20.645 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 3163633

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	22.0	16.3	24.5

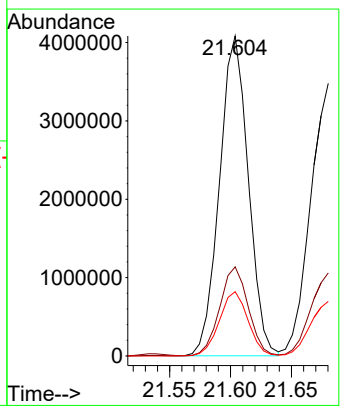


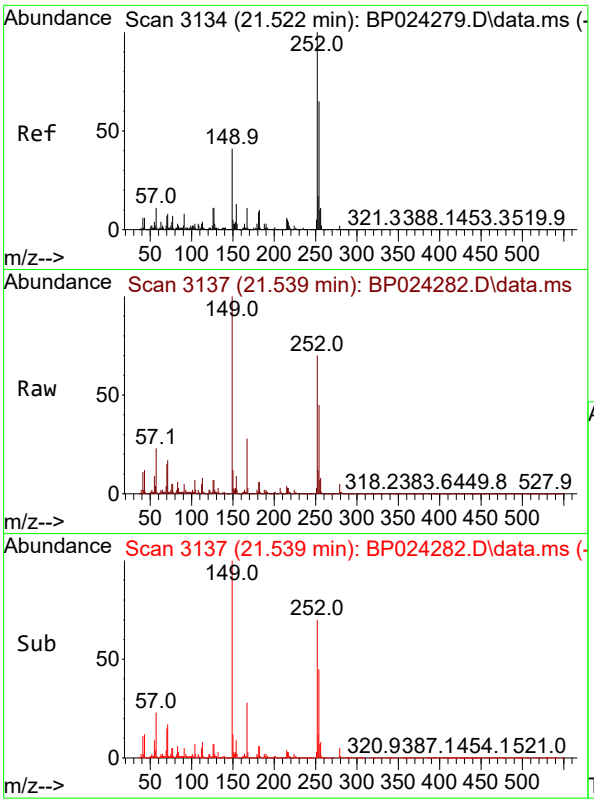


#81
Benzo(a)anthracene
Concen: 78.335 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:228 Resp: 6729971

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.1	15.9	23.9



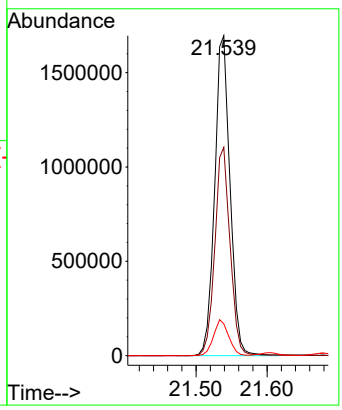


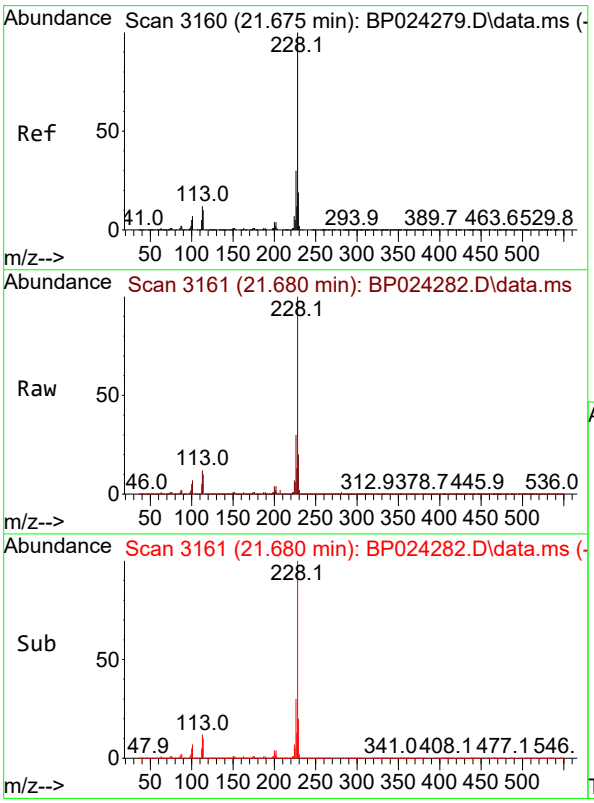
#82
3,3'-Dichlorobenzidine
Concen: 85.143 ng
RT: 21.539 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 2536509

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	10.0	8.8	13.2

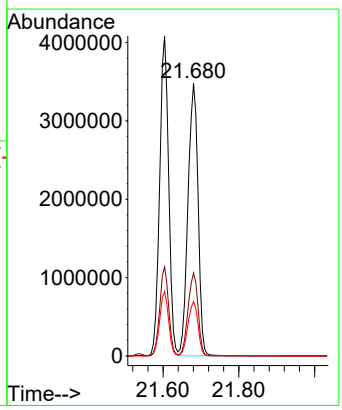


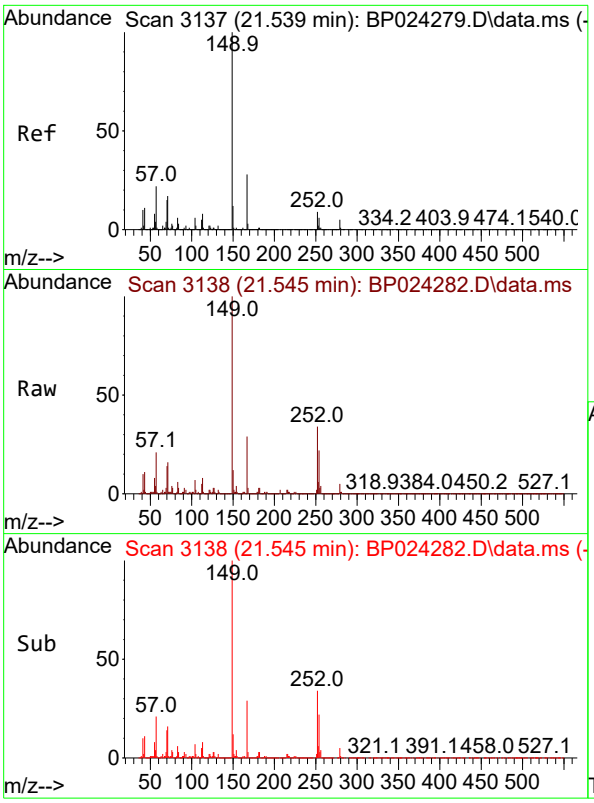


#83
Chrysene
Concen: 78.130 ng
RT: 21.680 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:228 Resp: 6433173

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	15.6	23.4



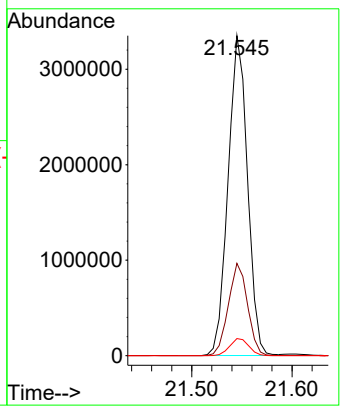


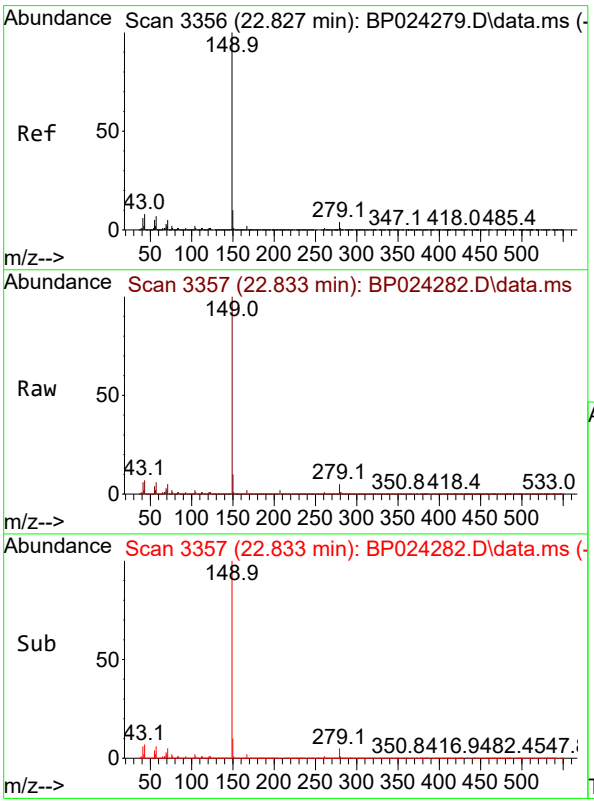
#84
Bis(2-ethylhexyl)phthalate
Concen: 82.506 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4516949

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.4	33.6
279	5.4	4.0	6.0

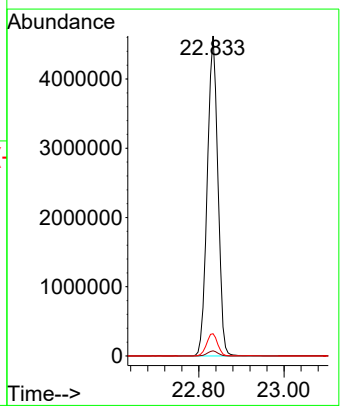


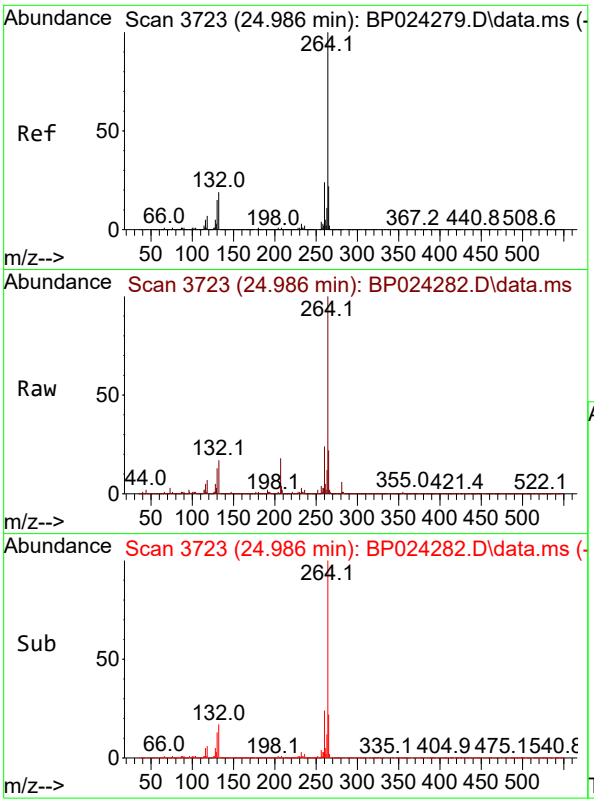


#85
Di-n-octyl phthalate
Concen: 90.878 ng
RT: 22.833 min Scan# 3357
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 7969779

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.3	6.0	9.0



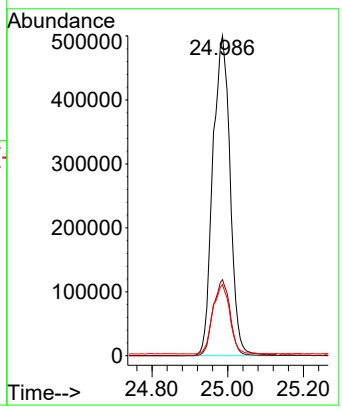


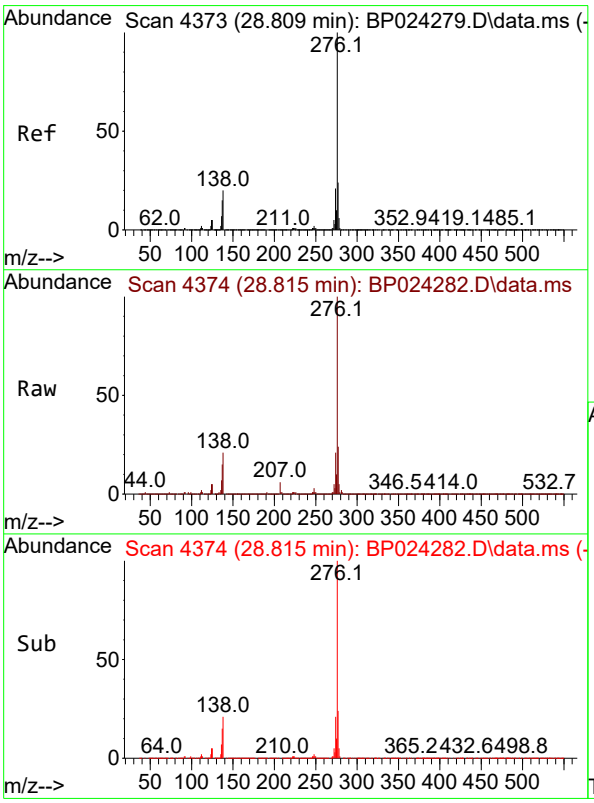
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 1583281

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.3	17.8	26.6

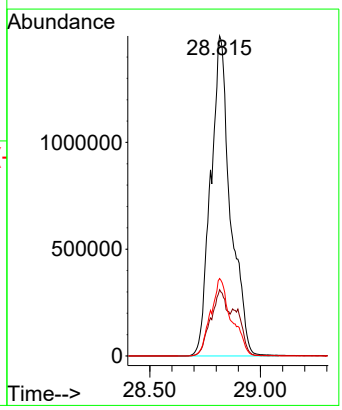


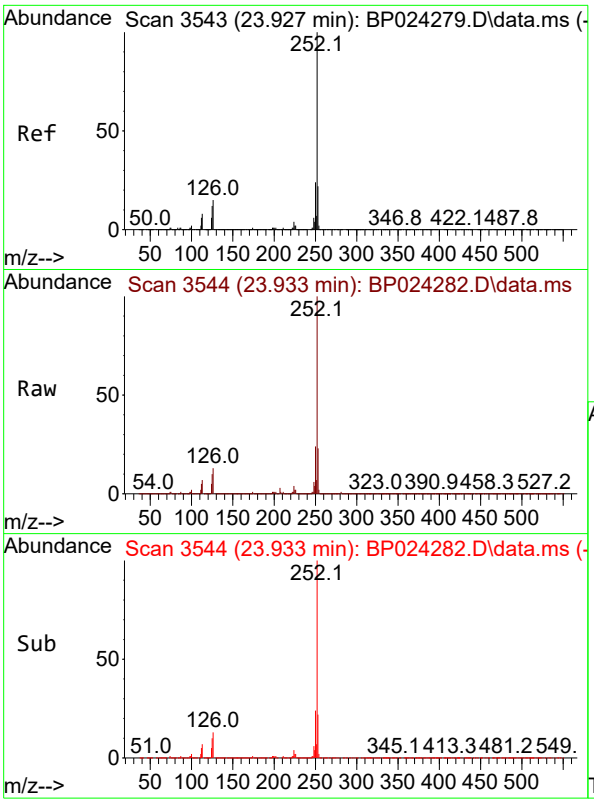


#87
Indeno(1,2,3-cd)pyrene
Concen: 85.280 ng
RT: 28.815 min Scan# 4374
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:276 Resp: 9286186

Ion	Ratio	Lower	Upper
276	100		
138	17.4	14.5	21.7
277	25.4	20.2	30.2



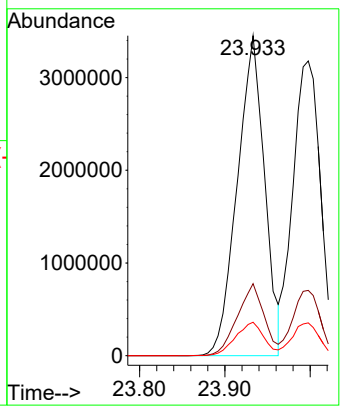


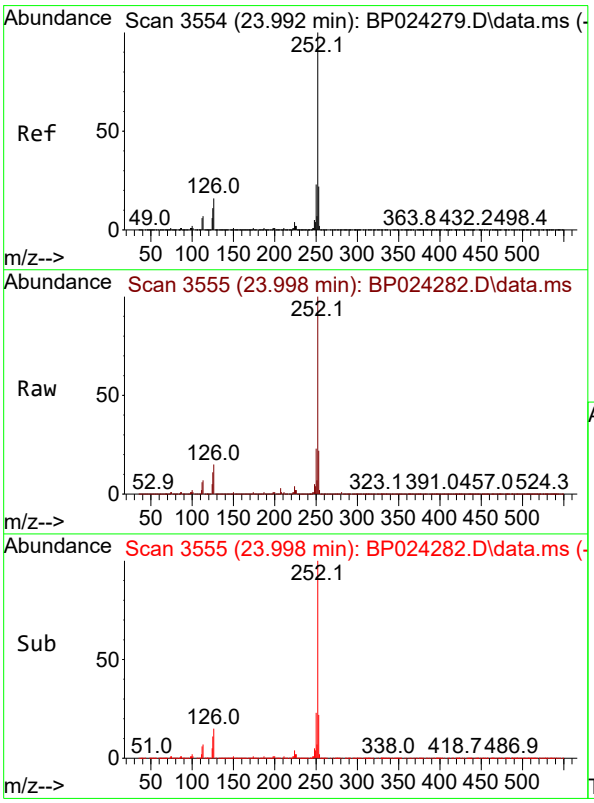
#88
Benzo(b)fluoranthene
Concen: 81.051 ng
RT: 23.933 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7677613

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	10.4	9.4	14.0

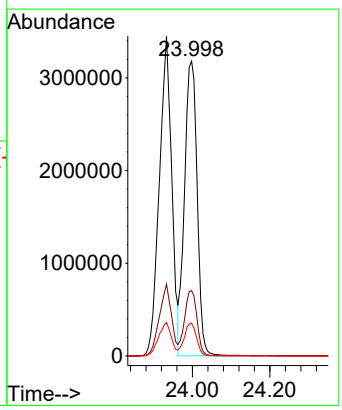


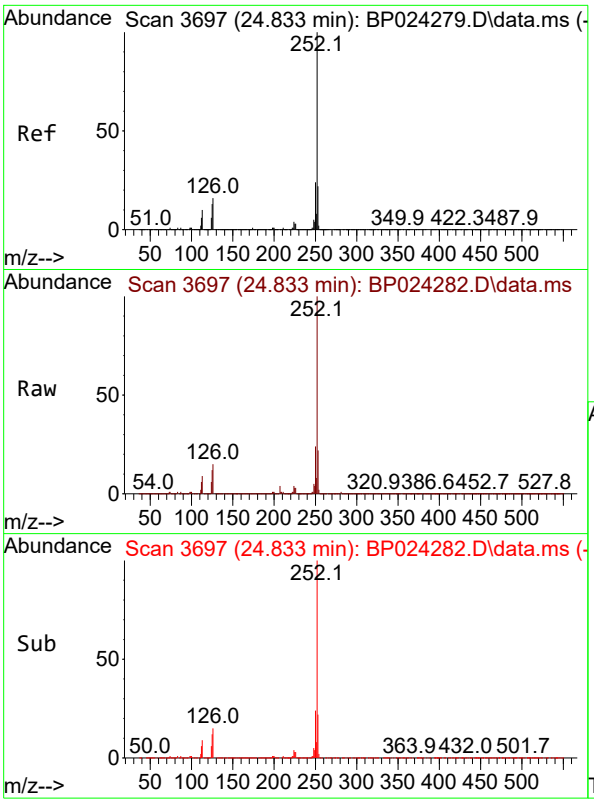


#89
Benzo(k)fluoranthene
Concen: 78.395 ng
RT: 23.998 min Scan# 3555
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:252 Resp: 7207214

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7



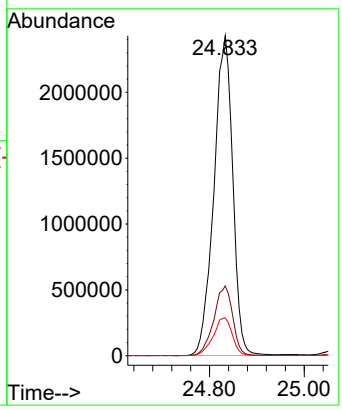


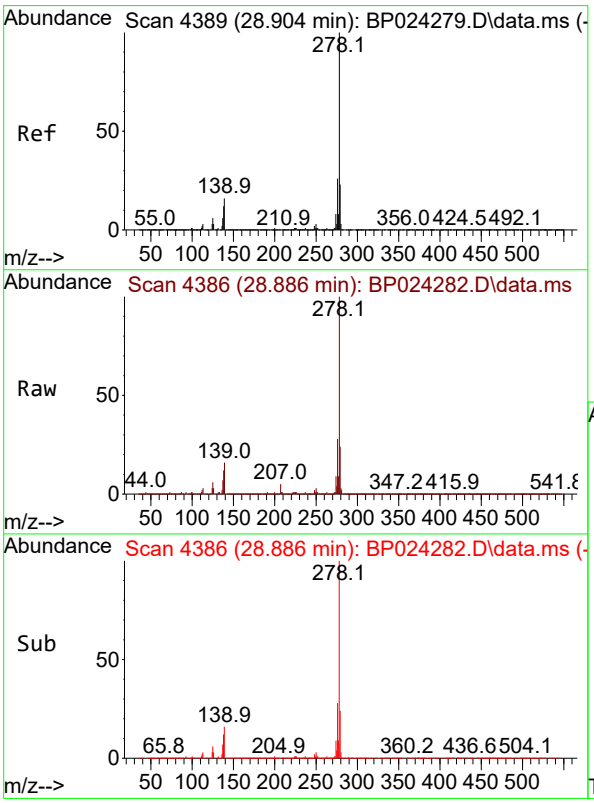
#90
Benzo(a)pyrene
Concen: 82.211 ng
RT: 24.833 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 6703562

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1

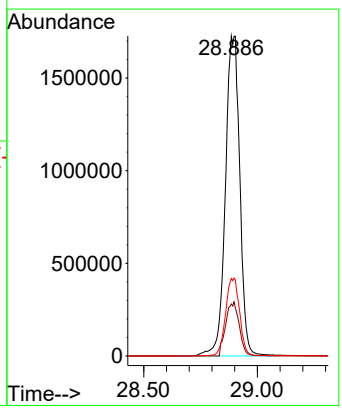


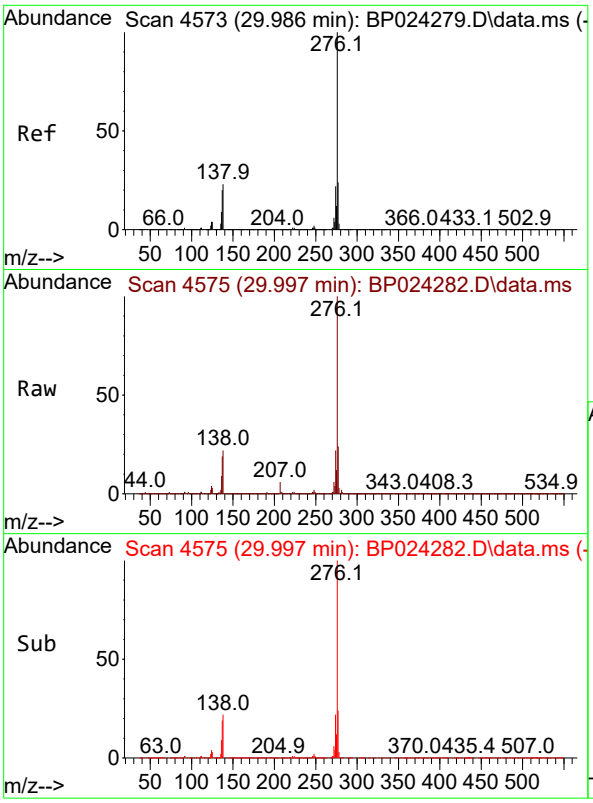


#91
Dibenzo(a,h)anthracene
Concen: 84.071 ng
RT: 28.886 min Scan# 4386
Delta R.T. -0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:278 Resp: 7614901

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	24.2	18.5	27.7



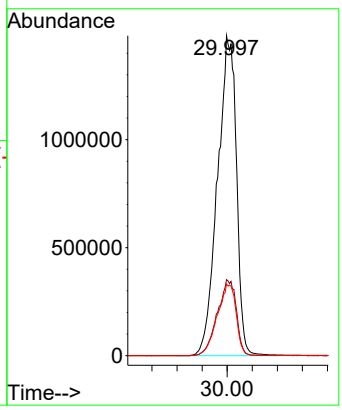


#92
Benzo(g,h,i)perylene
Concen: 84.072 ng
RT: 29.997 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 7750941

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.4	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	232241	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	956448	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	600031	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1178916	20.000	ng	-0.02
76) Chrysene-d12	21.616	240	1288125	20.000	ng	0.00
86) Perylene-d12	24.986	264	1476872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1141956	81.302	ng	0.00
7) Phenol-d6	6.911	99	1559050	81.063	ng	0.00
23) Nitrobenzene-d5	8.881	82	1401115	83.531	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	709703	85.488	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3319933	84.715	ng	0.00
79) Terphenyl-d14	19.892	244	5217888	81.649	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	240091	40.412	ng	100
3) Pyridine	3.687	79	626813	39.955	ng	99
4) n-Nitrosodimethylamine	3.593	42	209326	40.205	ng	98
6) Aniline	7.069	93	710981	41.370	ng	100
8) 2-Chlorophenol	7.305	128	632515	40.334	ng	99
9) Benzaldehyde	6.881	77	399803	42.024	ng	98
10) Phenol	6.940	94	777631	40.306	ng	100
11) bis(2-Chloroethyl)ether	7.163	93	620261	39.902	ng	99
12) 1,3-Dichlorobenzene	7.622	146	680343	40.298	ng	100
13) 1,4-Dichlorobenzene	7.769	146	694020	40.516	ng	99
14) 1,2-Dichlorobenzene	8.081	146	659947	39.898	ng	99
15) Benzyl Alcohol	7.969	79	517678	41.621	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.258	45	674999	40.173	ng	99
17) 2-Methylphenol	8.175	107	512292	41.046	ng	100
18) Hexachloroethane	8.799	117	250852	40.522	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	481540	40.471	ng	99
20) 3+4-Methylphenols	8.499	107	706733	40.810	ng	99
22) Acetophenone	8.546	105	986019	41.652	ng	100
24) Nitrobenzene	8.922	77	689231	41.537	ng	100
25) Isophorone	9.446	82	1264480	41.648	ng	99
26) 2-Nitrophenol	9.628	139	352229	43.376	ng	99
27) 2,4-Dimethylphenol	9.687	122	425062	41.689	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	849161	41.402	ng	99
29) 2,4-Dichlorophenol	10.163	162	590306	42.461	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	619818	41.612	ng	99
31) Naphthalene	10.557	128	2085090	41.386	ng	99
32) Benzoic acid	9.834	122	486627	40.959	ng	98
33) 4-Chloroaniline	10.669	127	761817	42.937	ng	99
34) Hexachlorobutadiene	10.846	225	367684	42.007	ng	100
35) Caprolactam	11.457	113	216229	42.152	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	675857	41.737	ng	98
37) 2-Methylnaphthalene	12.169	142	1446647	41.403	ng	100
38) 1-Methylnaphthalene	12.387	142	1408633	41.210	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	697580	42.275	ng	100
41) Hexachlorocyclopentadiene	12.516	237	254676	43.639	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	475349	43.329	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

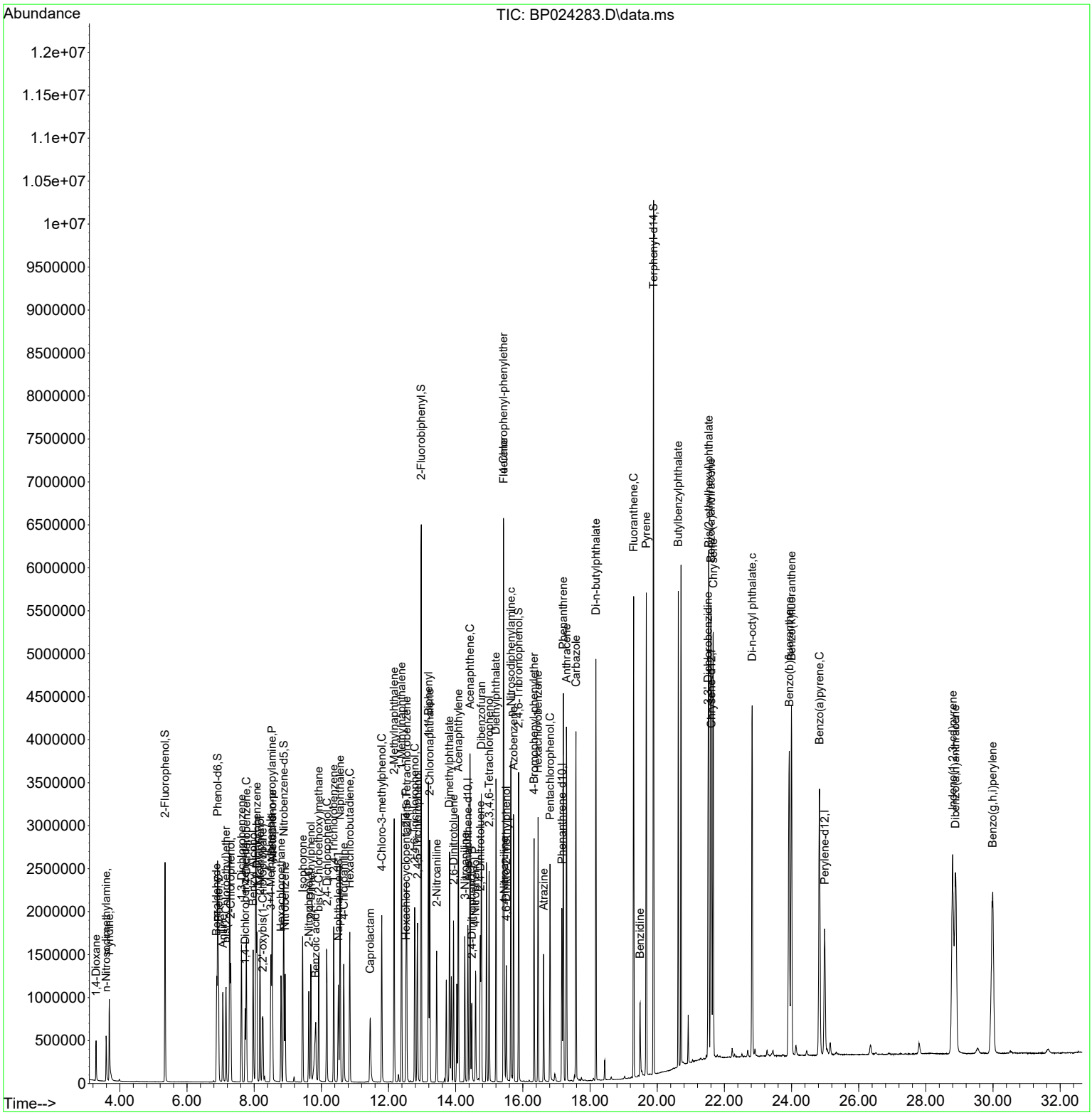
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	520298	42.828	ng	97
46) 1,1'-Biphenyl	13.187	154	1834570	41.595	ng	99
47) 2-Chloronaphthalene	13.228	162	1377424	41.786	ng	100
48) 2-Nitroaniline	13.434	65	392742	42.475	ng	98
49) Acenaphthylene	14.081	152	2168474	41.783	ng	99
50) Dimethylphthalate	13.816	163	1809923	41.478	ng	99
51) 2,6-Dinitrotoluene	13.940	165	398345	42.990	ng	97
52) Acenaphthene	14.428	154	1344151	40.853	ng	99
53) 3-Nitroaniline	14.275	138	427828	43.931	ng	98
54) 2,4-Dinitrophenol	14.481	184	231882	42.485	ng	98
55) Dibenzofuran	14.763	168	2187786	40.679	ng	99
56) 4-Nitrophenol	14.592	139	378214	44.968	ng	99
57) 2,4-Dinitrotoluene	14.734	165	550175	43.527	ng	97
58) Fluorene	15.428	166	1738215	41.750	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	470547	41.995	ng	99
60) Diethylphthalate	15.198	149	1869274	41.570	ng	99
61) 4-Chlorophenyl-phenyle...	15.422	204	844629	41.777	ng	99
62) 4-Nitroaniline	15.451	138	444482	43.114	ng	96
63) Azobenzene	15.722	77	1722900	41.686	ng	98
65) 4,6-Dinitro-2-methylph...	15.510	198	317548	42.724	ng	95
66) n-Nitrosodiphenylamine	15.645	169	1460282	41.500	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	545579	42.314	ng	97
68) Hexachlorobenzene	16.451	284	642095	41.909	ng	96
69) Atrazine	16.622	200	282908	31.567	ng	98
70) Pentachlorophenol	16.810	266	458529	42.900	ng	99
71) Phenanthrene	17.204	178	2612052	40.615	ng	100
72) Anthracene	17.298	178	2606508	42.051	ng	100
73) Carbazole	17.581	167	2564955	42.351	ng	99
74) Di-n-butylphthalate	18.175	149	3360635	44.539	ng	100
75) Fluoranthene	19.298	202	3195045	41.771	ng	99
77) Benzidine	19.492	184	588487	36.041	ng	100
78) Pyrene	19.675	202	3276290	40.022	ng	99
80) Butylbenzylphthalate	20.627	149	1511473	43.107	ng	97
81) Benzo(a)anthracene	21.598	228	3299250	41.207	ng	99
82) 3,3'-Dichlorobenzidine	21.516	252	1212290	43.139	ng	99
83) Chrysene	21.669	228	3136332	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2282222	44.400	ng	100
85) Di-n-octyl phthalate	22.827	149	3803266	45.513	ng	100
87) Indeno(1,2,3-cd)pyrene	28.798	276	4313548m	42.071	ng	
88) Benzo(b)fluoranthene	23.933	252	3654984	41.288	ng	99
89) Benzo(k)fluoranthene	23.998	252	3512834	41.081	ng	100
90) Benzo(a)pyrene	24.833	252	3196130	41.855	ng	99
91) Dibenzo(a,h)anthracene	28.880	278	3566000	41.902	ng	98
92) Benzo(g,h,i)perylene	29.992	276	3590938	41.455	ng	98

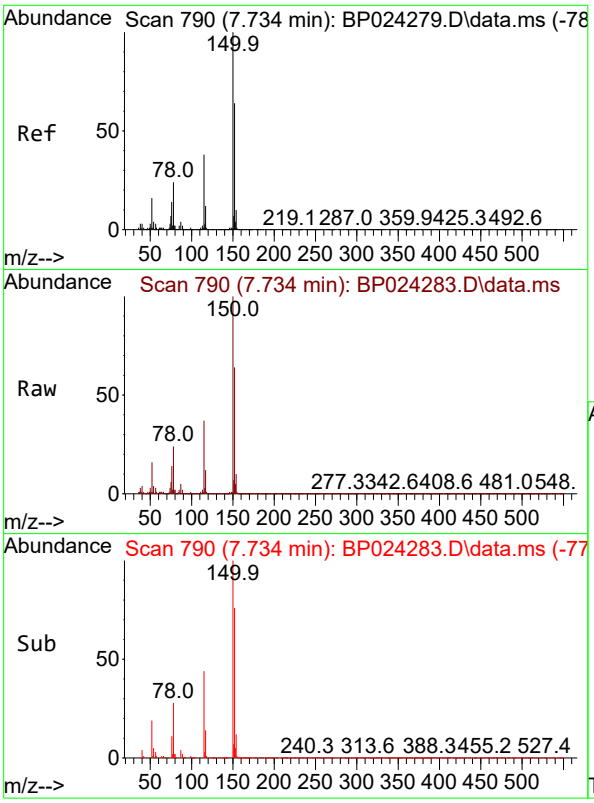
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
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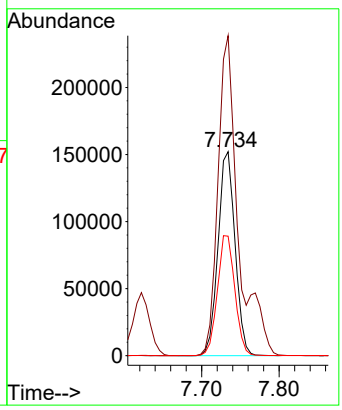


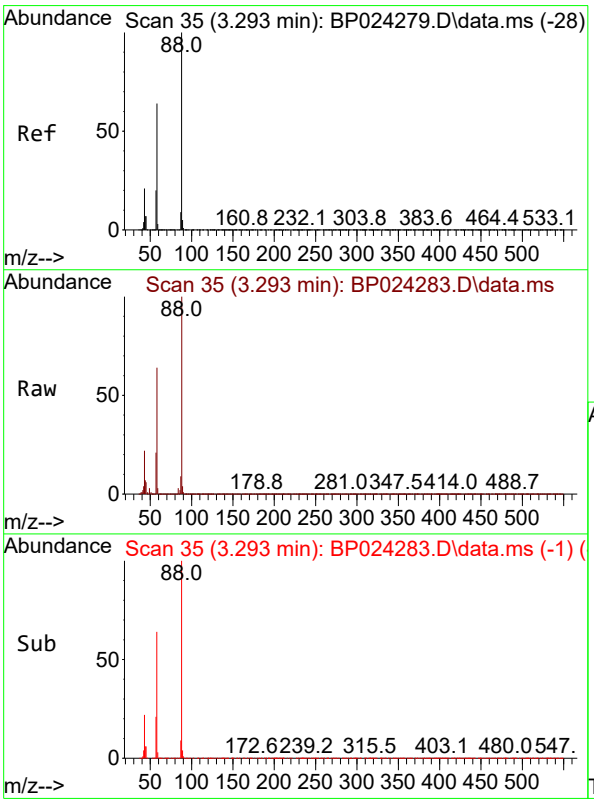
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 232241

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	58.6	47.7	71.5

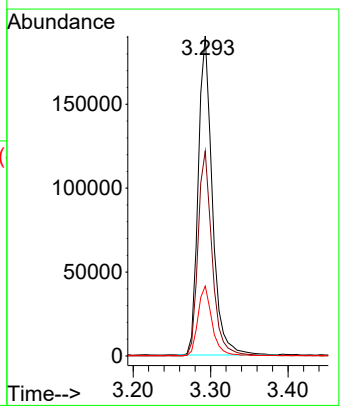


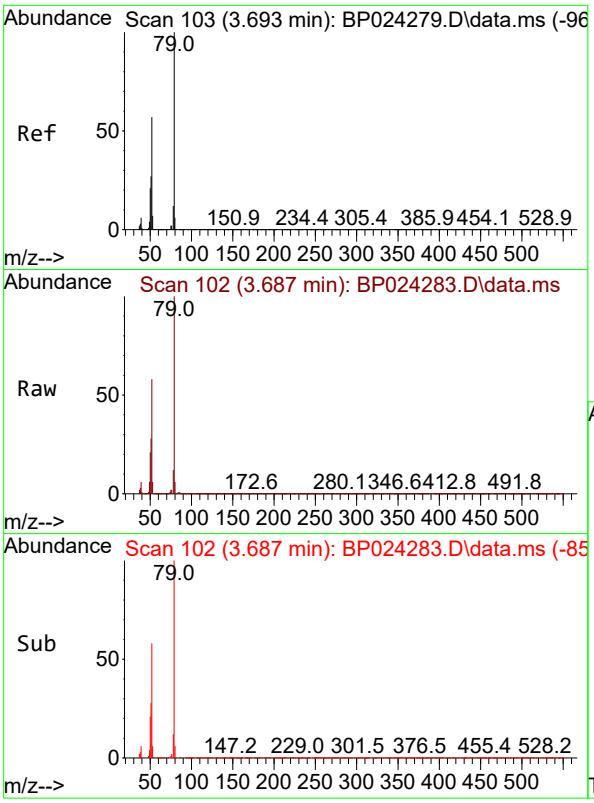


#2
1,4-Dioxane
Concen: 40.412 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 88 Resp: 240091

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.7	17.1	25.7



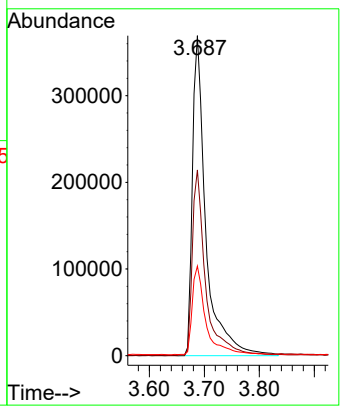


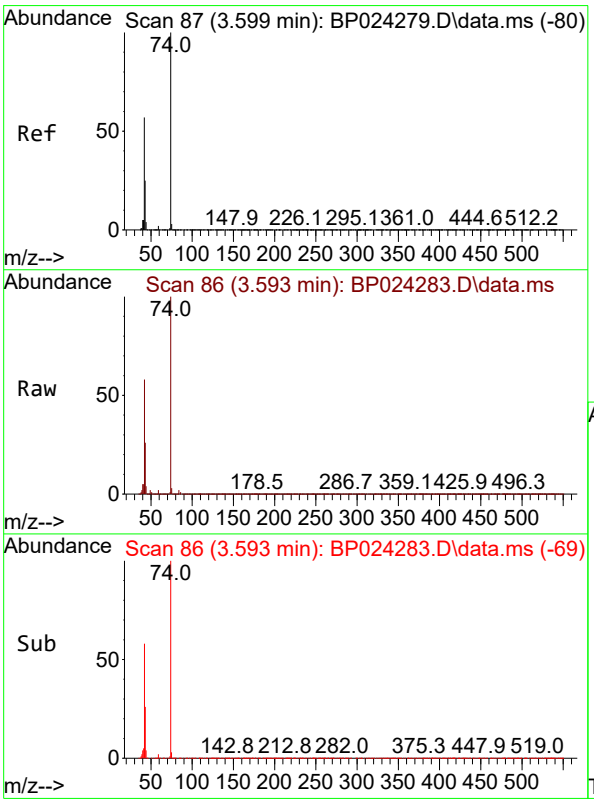
#3
Pyridine
Concen: 39.955 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 626813

Ion	Ratio	Lower	Upper
79	100		
52	58.1	45.4	68.2
51	28.0	22.6	33.8

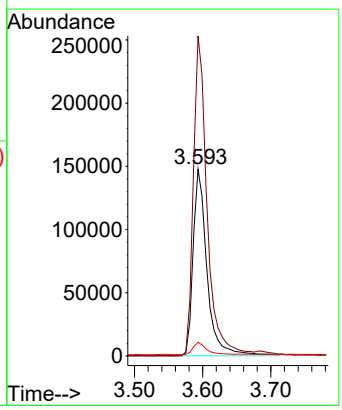


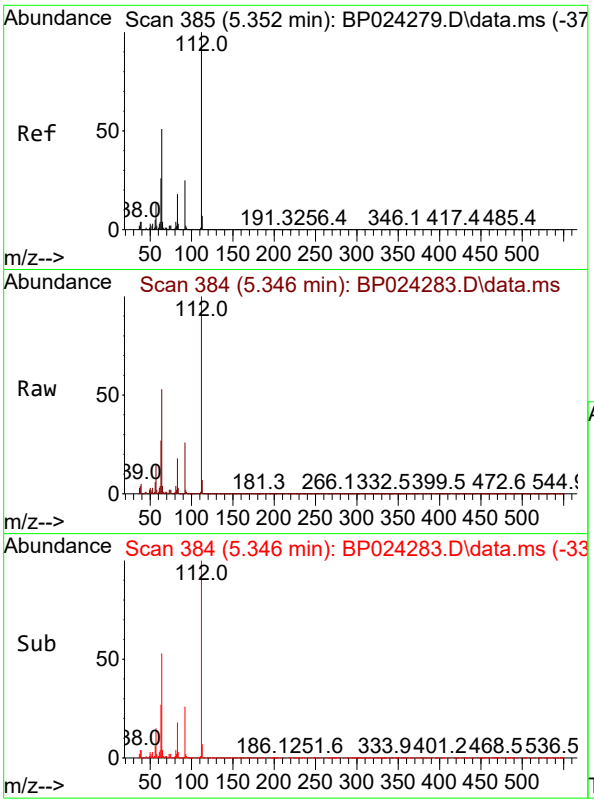


#4
n-Nitrosodimethylamine
Concen: 40.205 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 42 Resp: 209326

Ion	Ratio	Lower	Upper
42	100		
74	171.4	139.5	209.3
44	7.3	5.8	8.8



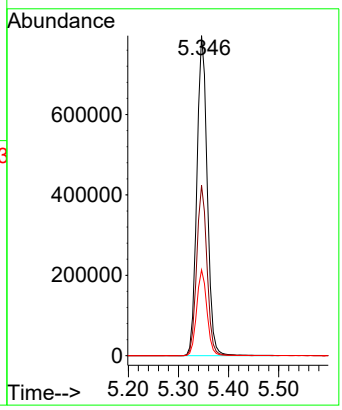


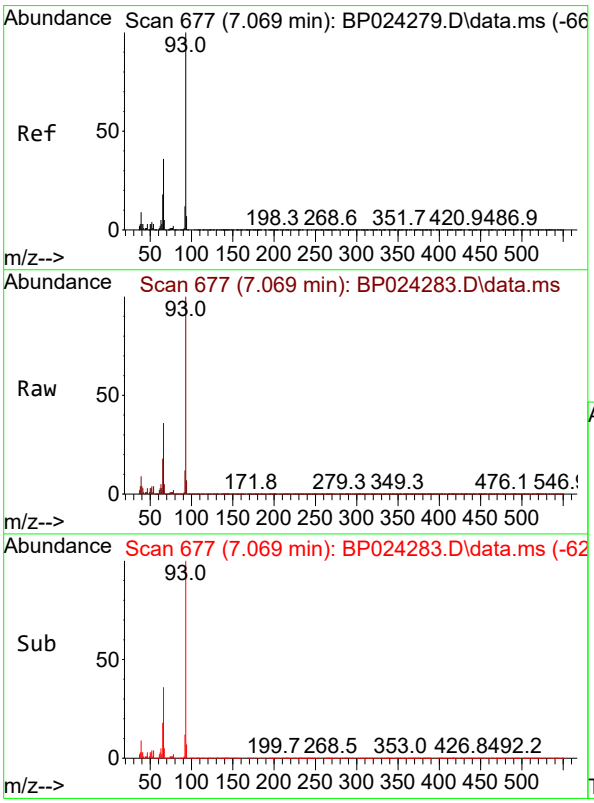
#5
2-Fluorophenol
Concen: 81.302 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:112 Resp: 1141956

Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.1	61.7
63	26.8	20.6	30.8

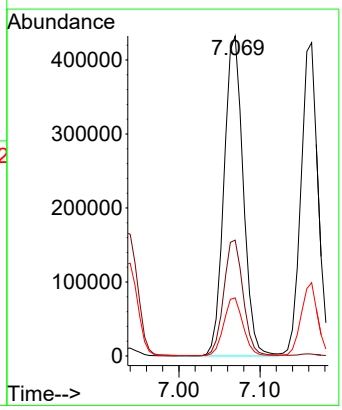


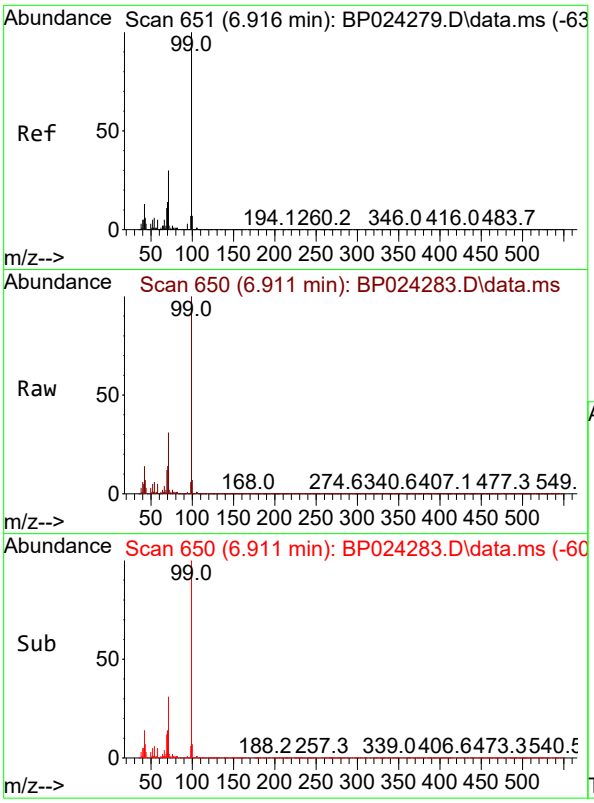


#6
Aniline
Concen: 41.370 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 710981

Ion	Ratio	Lower	Upper
93	100		
66	36.2	29.1	43.7
65	18.2	14.7	22.1



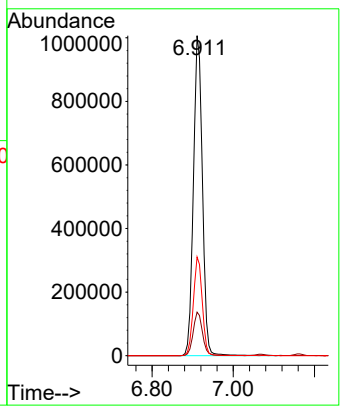


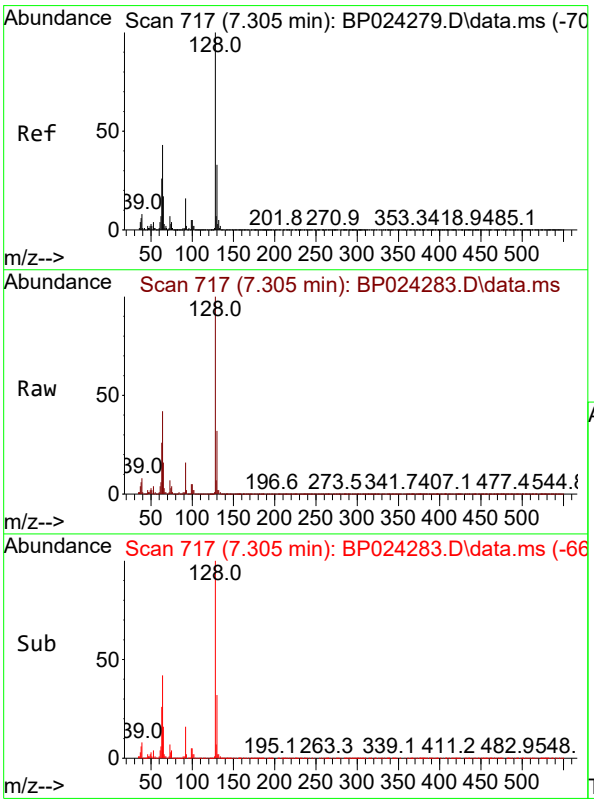
#7
Phenol-d6
Concen: 81.063 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 99 Resp: 1559050

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	16.0
71	30.9	23.7	35.5

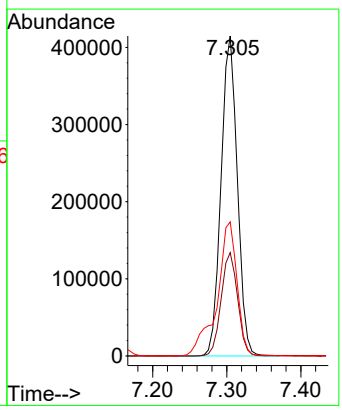


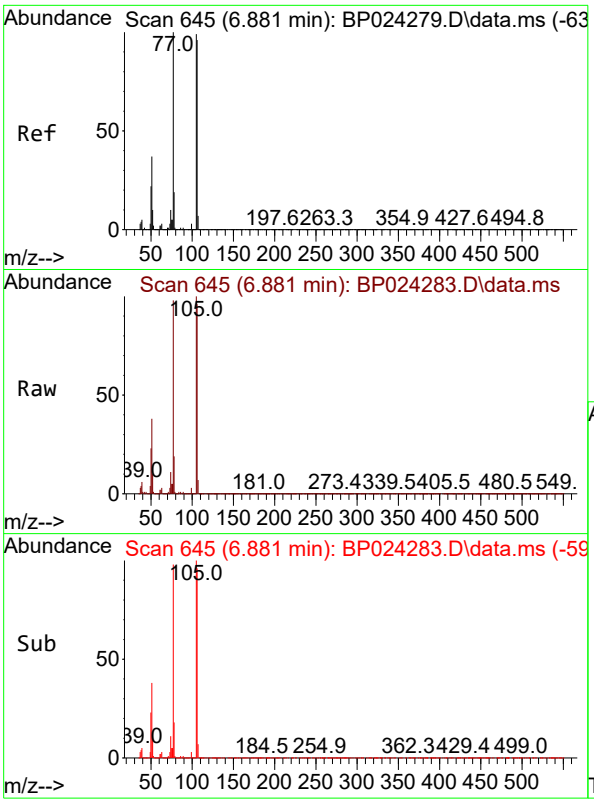


#8
2-Chlorophenol
Concen: 40.334 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:128 Resp: 632515

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	41.9	22.7	62.7



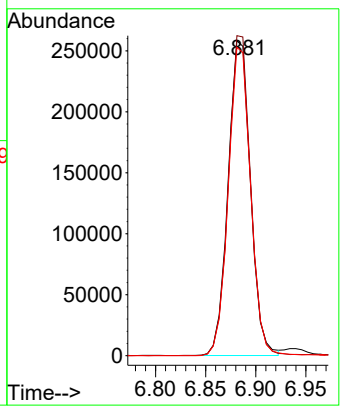


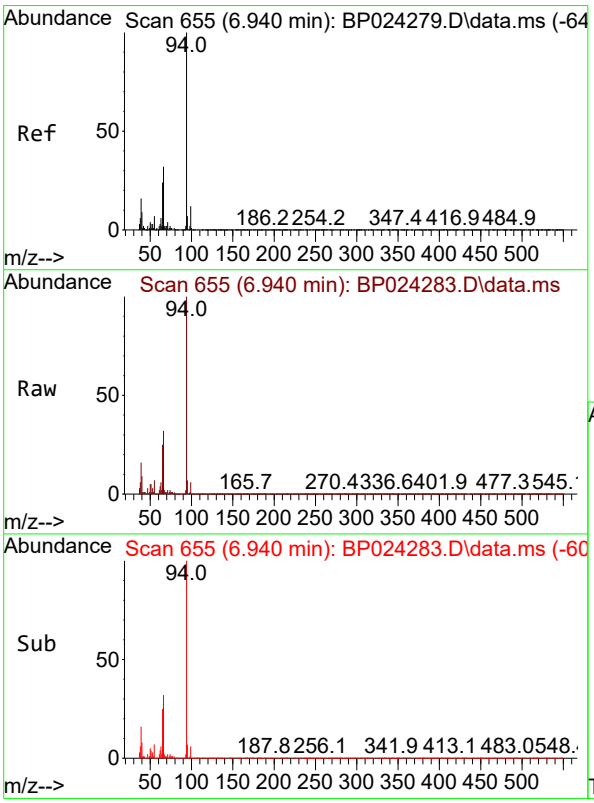
#9
Benzaldehyde
Concen: 42.024 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 399803

Ion	Ratio	Lower	Upper
77	100		
105	101.7	79.2	119.2
106	98.0	76.2	116.2

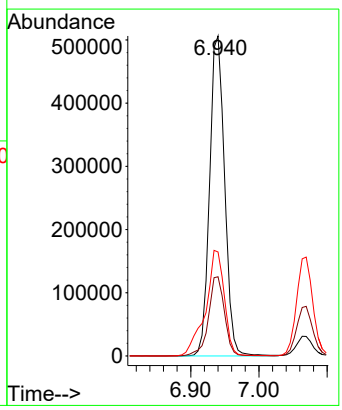


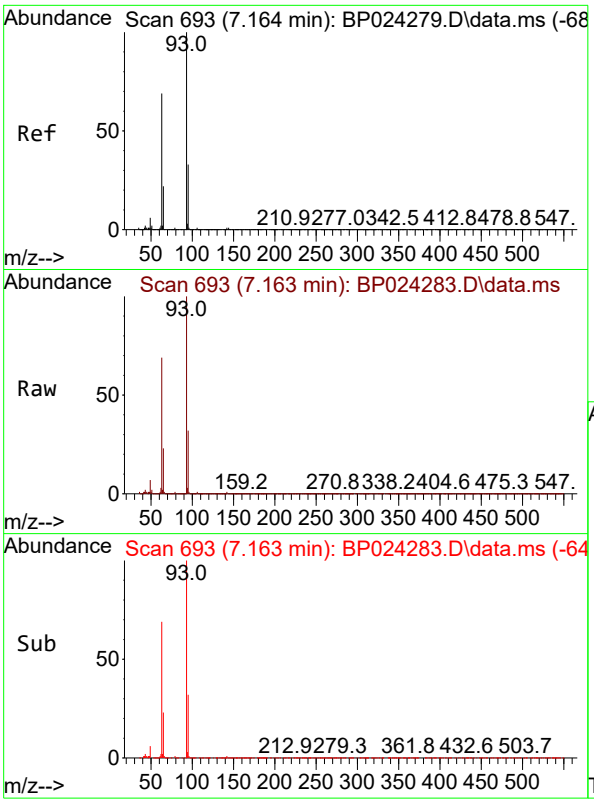


#10
Phenol
Concen: 40.306 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 94 Resp: 777631

Ion	Ratio	Lower	Upper
94	100		
65	24.7	4.5	44.5
66	32.5	12.4	52.4



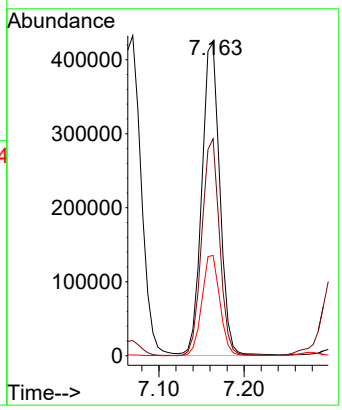


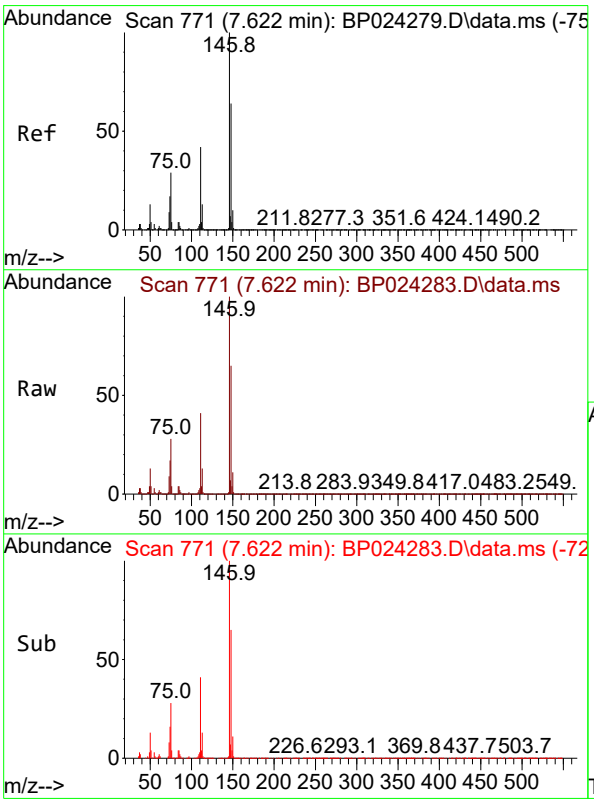
#11
bis(2-Chloroethyl)ether
Concen: 39.902 ng
RT: 7.163 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 93 Resp: 620261

Ion	Ratio	Lower	Upper
93	100		
63	69.2	48.6	88.6
95	32.0	12.3	52.3

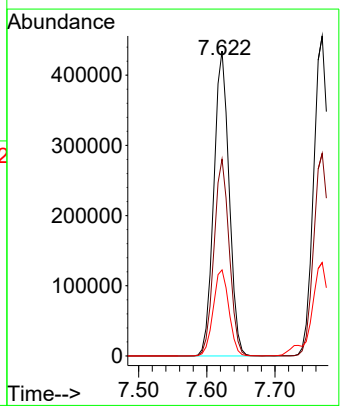


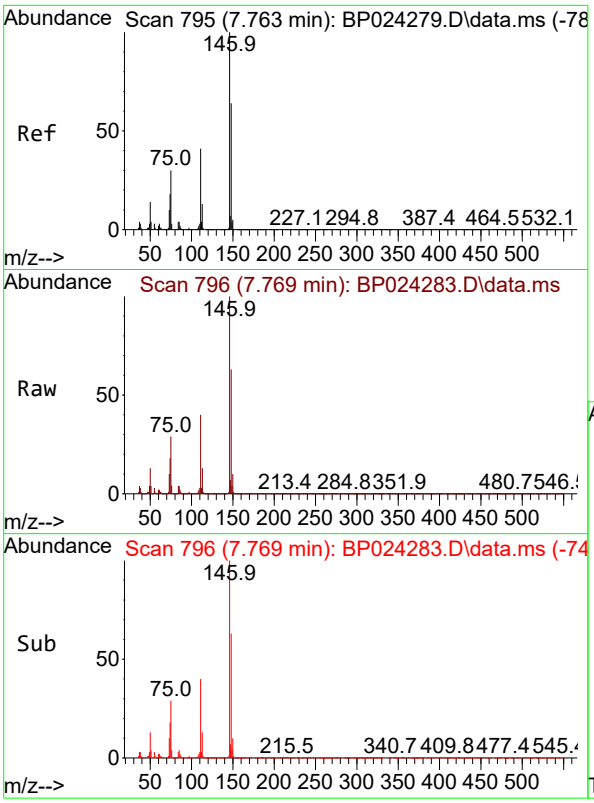


#12
1,3-Dichlorobenzene
Concen: 40.298 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 680343

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.0
75	28.2	22.9	34.3



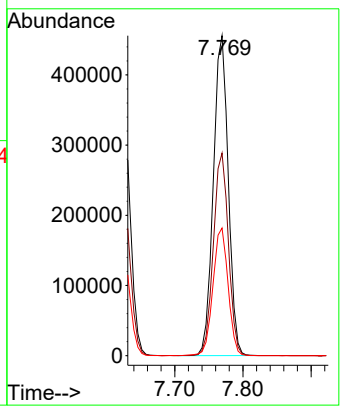


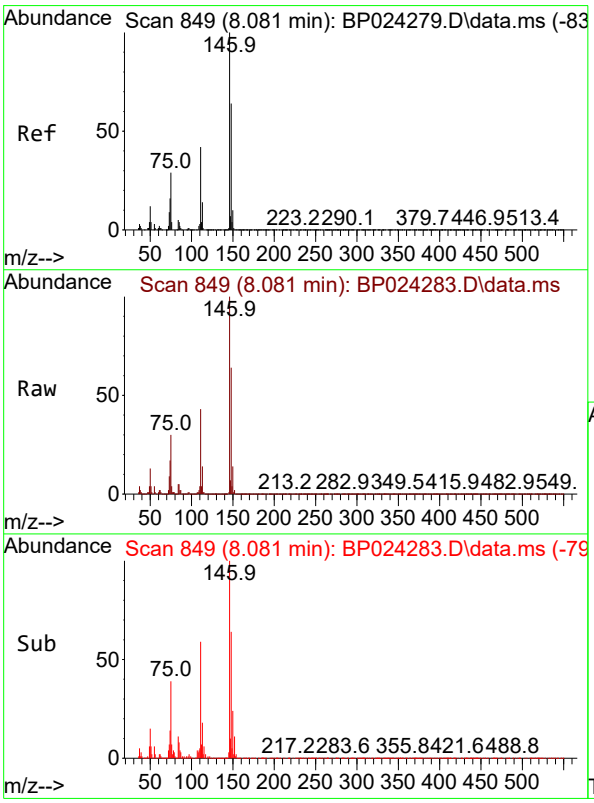
#13
1,4-Dichlorobenzene
Concen: 40.516 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:146 Resp: 694020

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	39.9	32.6	48.8

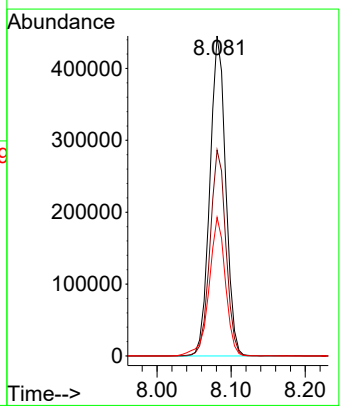


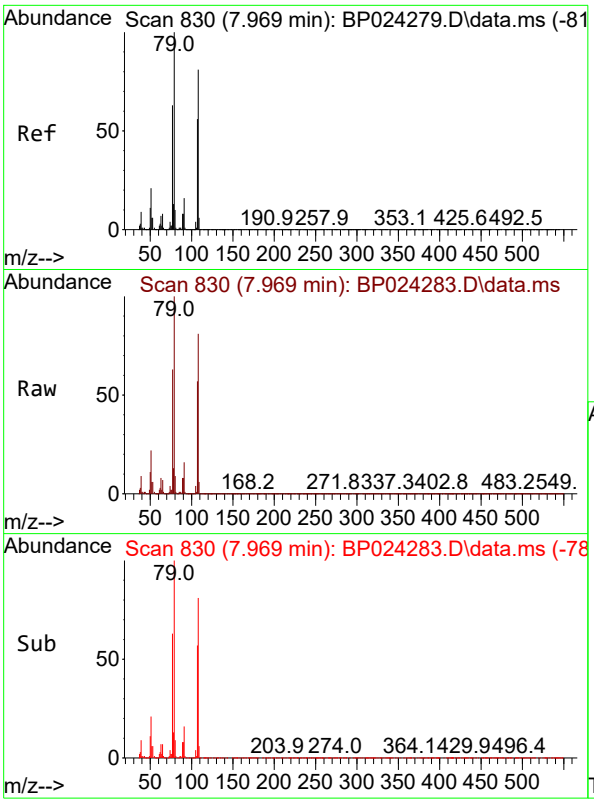


#14
1,2-Dichlorobenzene
Concen: 39.898 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 659947

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
111	43.3	33.8	50.8



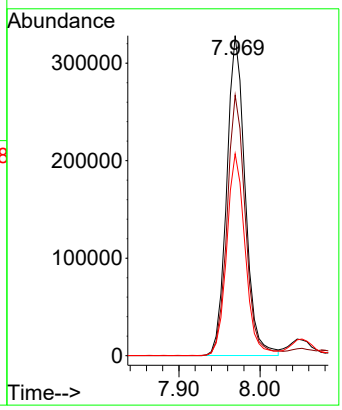


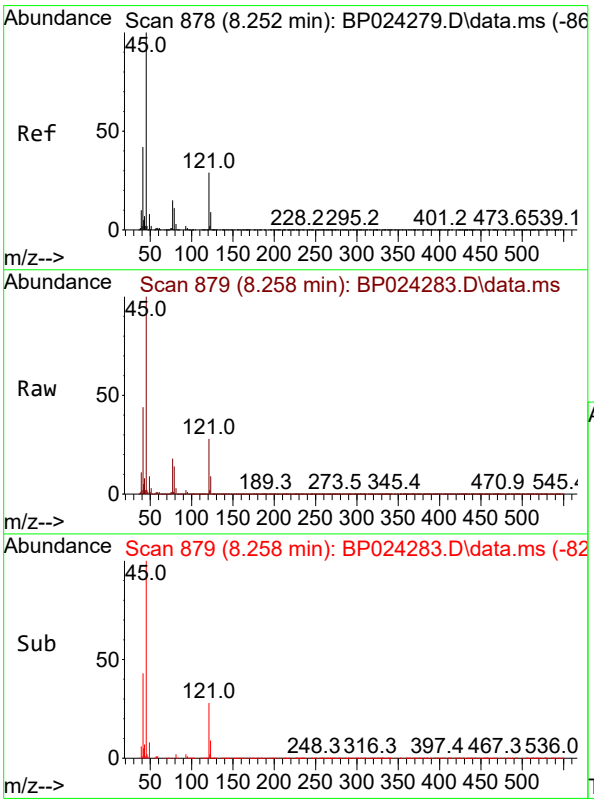
#15
Benzyl Alcohol
Concen: 41.621 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 517678

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.1	50.7	76.1

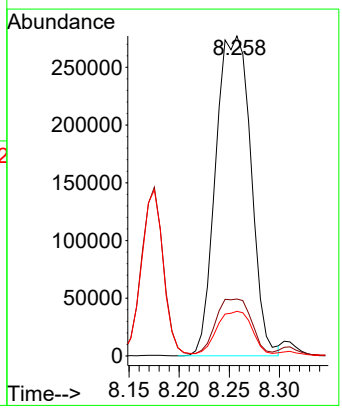


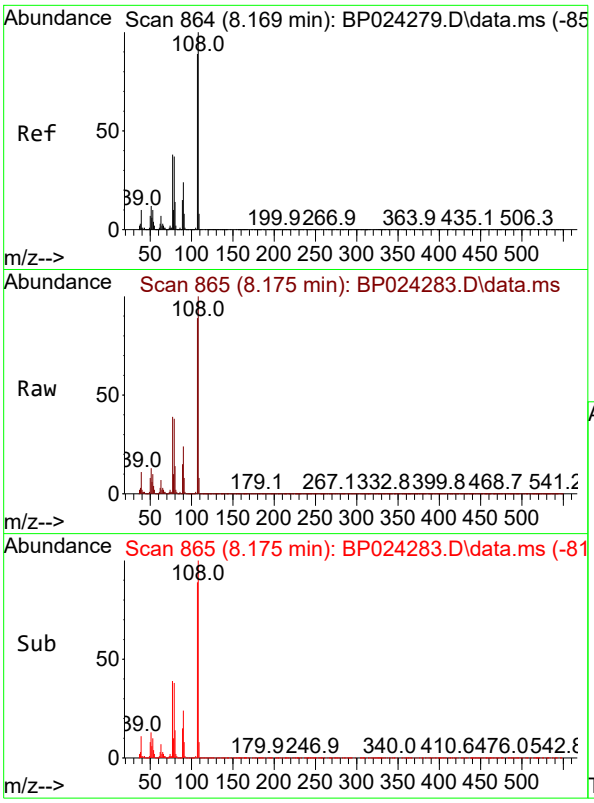


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.173 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 45 Resp: 674999

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.9	0.0	33.5



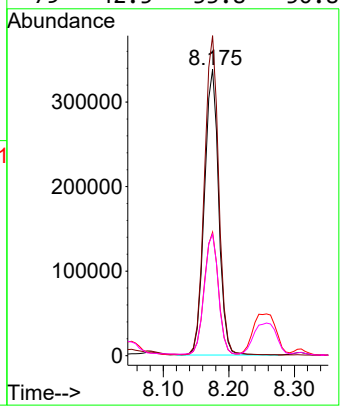


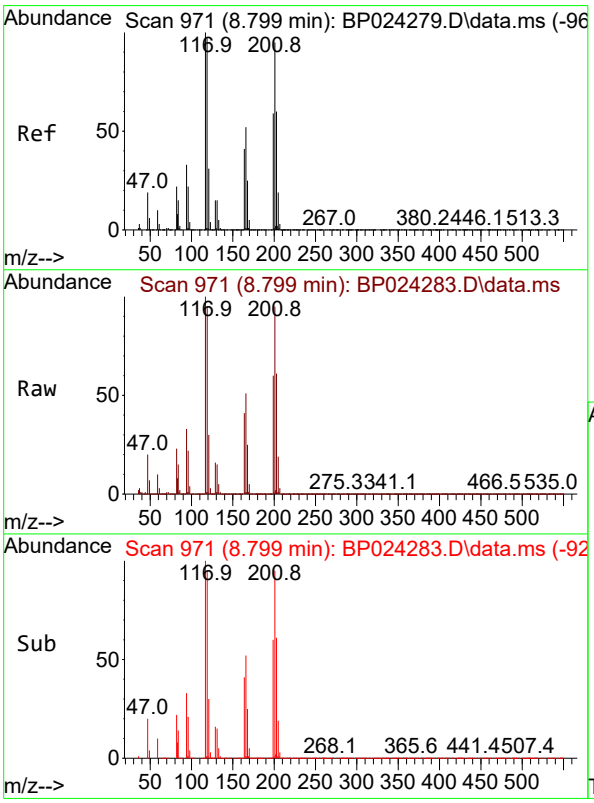
#17
2-Methylphenol
Concen: 41.046 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:107 Resp: 512292

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.6
77	43.2	34.2	51.4
79	42.5	33.8	50.8

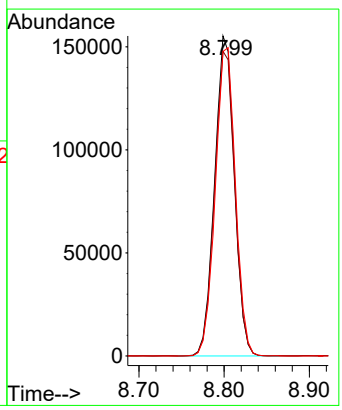


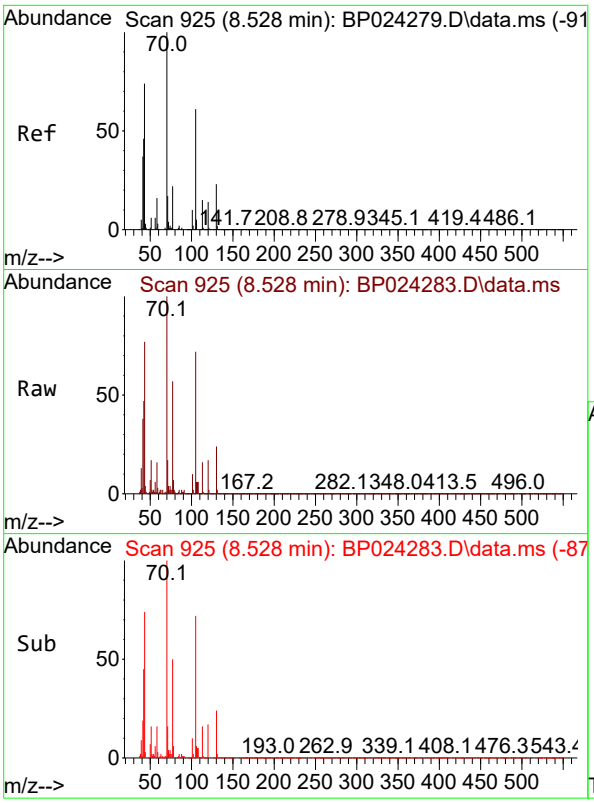


#18
Hexachloroethane
Concen: 40.522 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:117 Resp: 250852

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
201	95.1	75.9	113.9



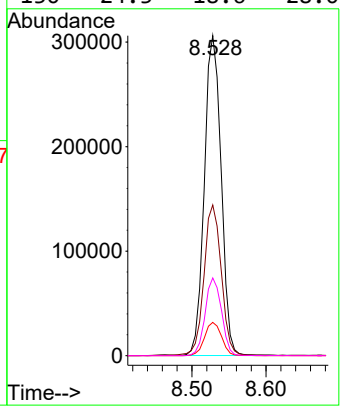


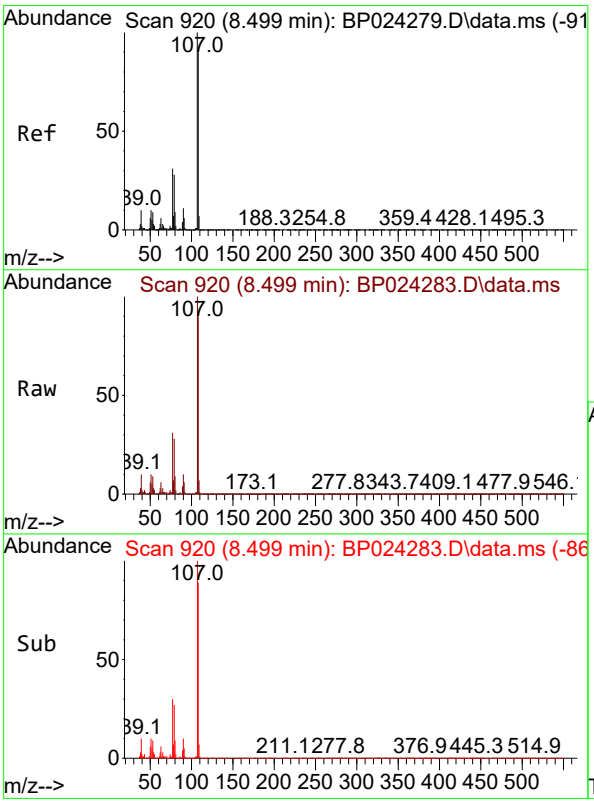
#19
n-Nitroso-di-n-propylamine
Concen: 40.471 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 70 Resp: 481540

Ion	Ratio	Lower	Upper
70	100		
42	47.1	37.3	55.9
101	10.4	8.2	12.4
130	24.3	18.6	28.0

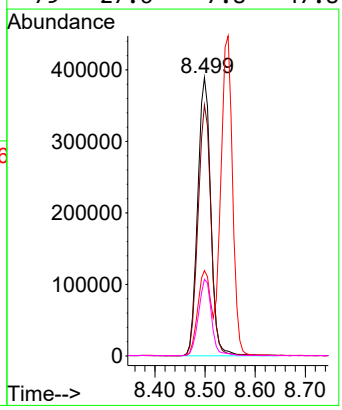


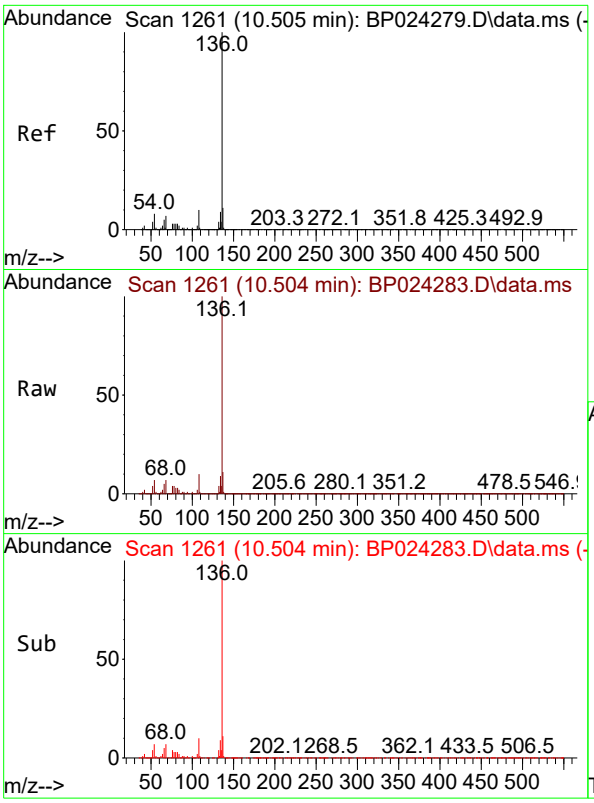


#20
3+4-Methylphenols
Concen: 40.810 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 706733

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.8	109.8
77	30.7	11.5	51.5
79	27.6	7.8	47.8



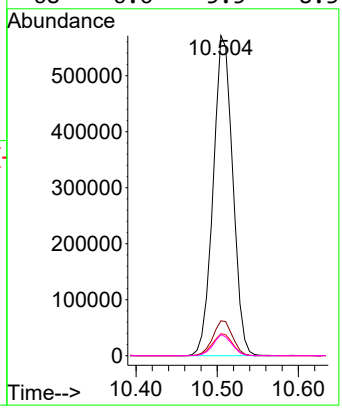


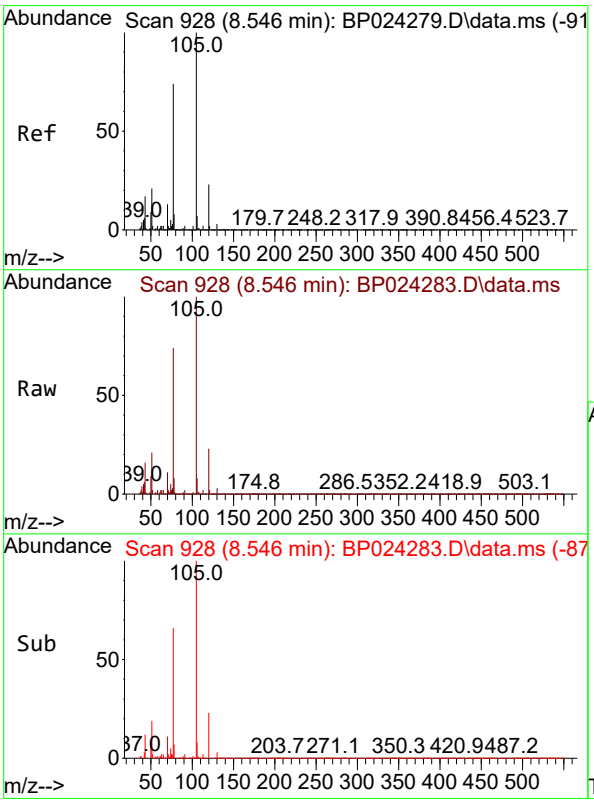
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:136 Resp: 956448

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	6.6	5.5	8.3

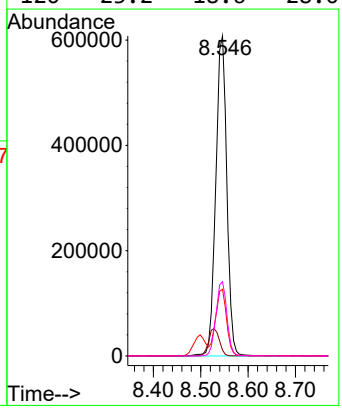


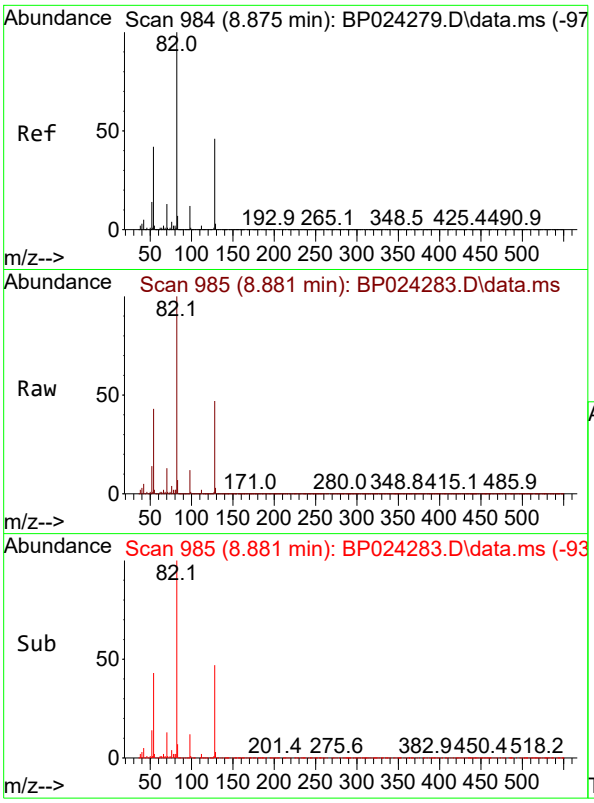


#22
Acetophenone
Concen: 41.652 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:105 Resp: 986019

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.7	2.5
51	20.8	16.9	25.3
120	23.2	18.6	28.0



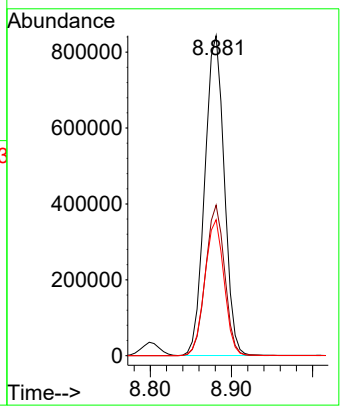


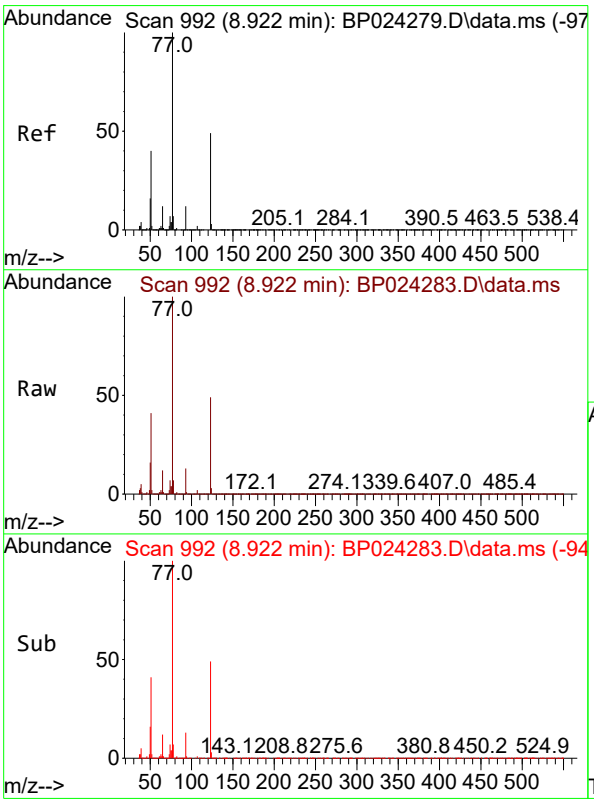
#23
Nitrobenzene-d5
Concen: 83.531 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1401115

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.5	33.4	50.2

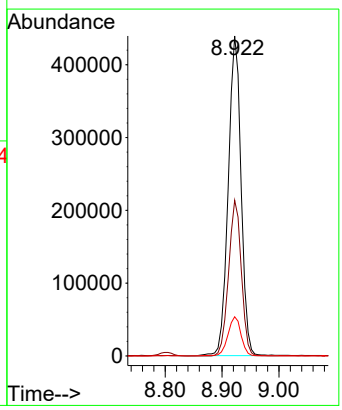


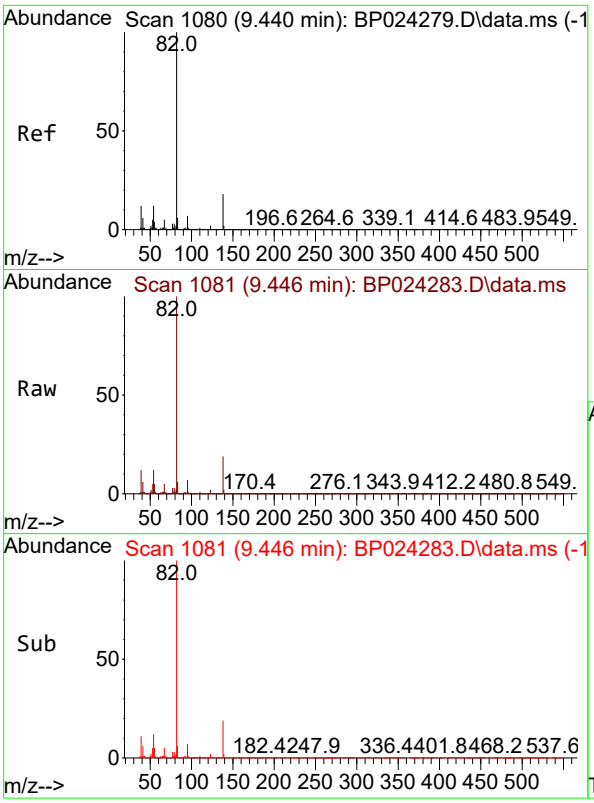


#24
Nitrobenzene
Concen: 41.537 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 77 Resp: 689231

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.2	9.8	14.6



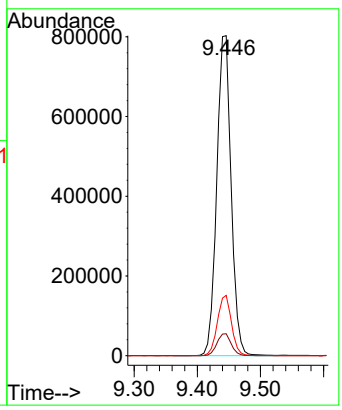


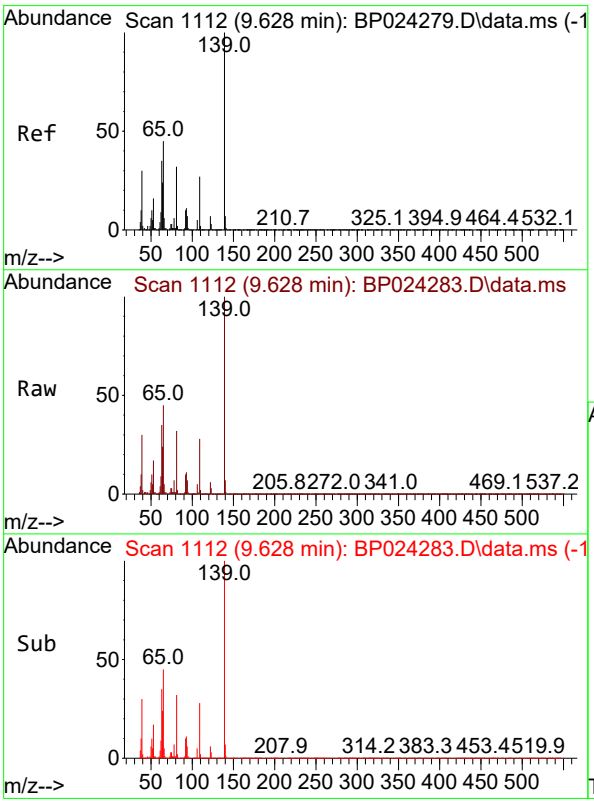
#25
Isophorone
Concen: 41.648 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1264480

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	18.8	14.4	21.6

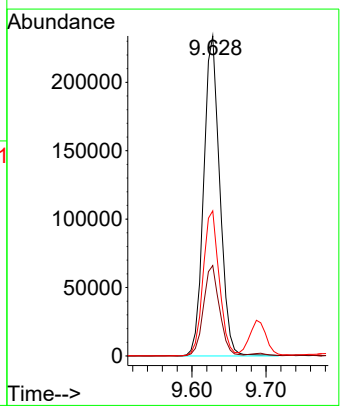


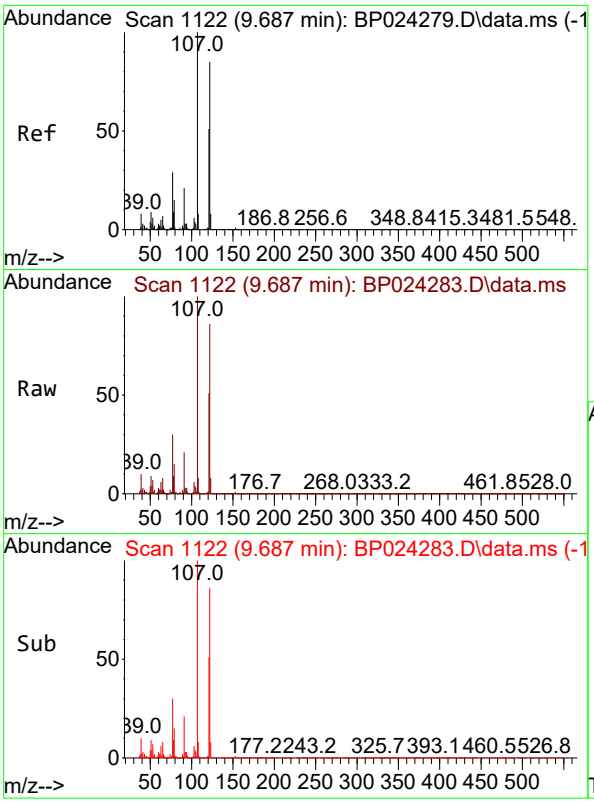


#26
2-Nitrophenol
Concen: 43.376 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 352229

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.8	32.6
65	45.3	36.2	54.2



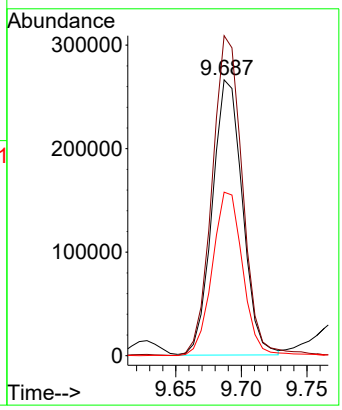


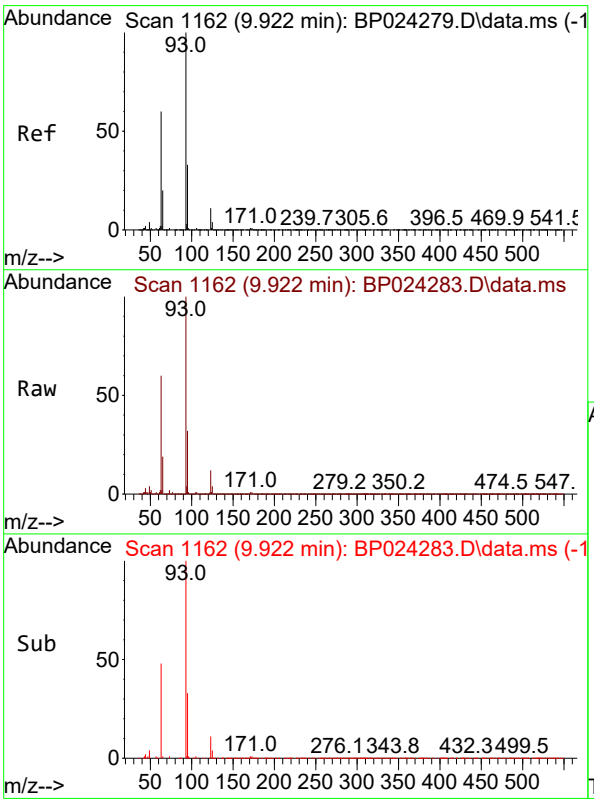
#27
2,4-Dimethylphenol
Concen: 41.689 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:122 Resp: 425062

Ion	Ratio	Lower	Upper
122	100		
107	116.0	93.7	140.5
121	59.3	48.2	72.2

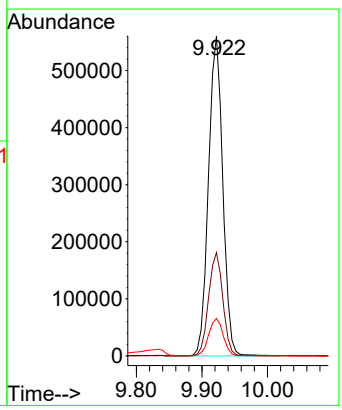


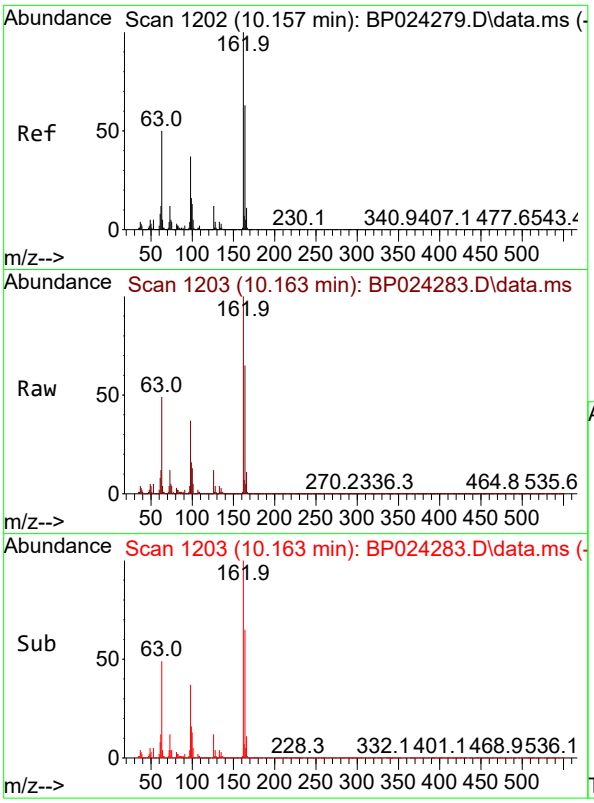


#28
bis(2-Chloroethoxy)methane
Concen: 41.402 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 849161

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.1	13.7



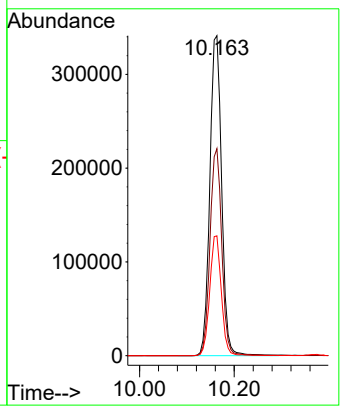


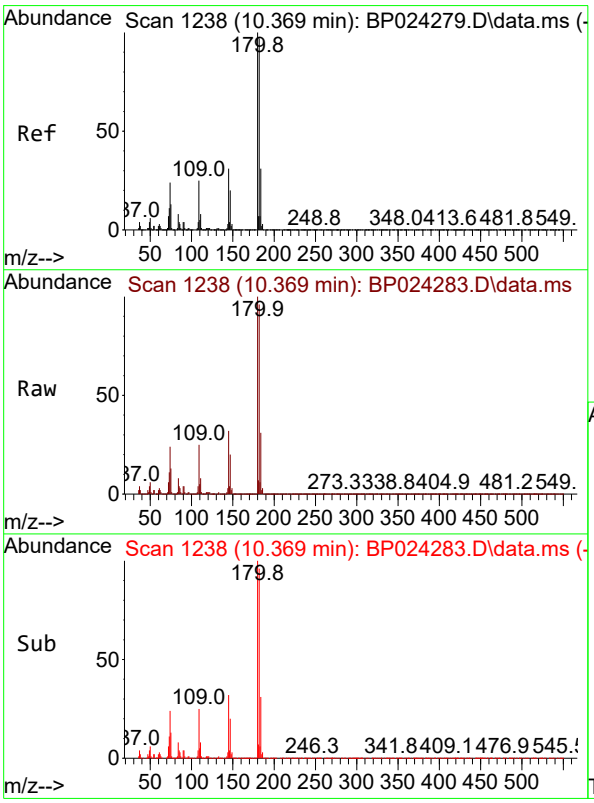
#29
2,4-Dichlorophenol
Concen: 42.461 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 590306

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.3	83.3
98	37.4	16.6	56.6

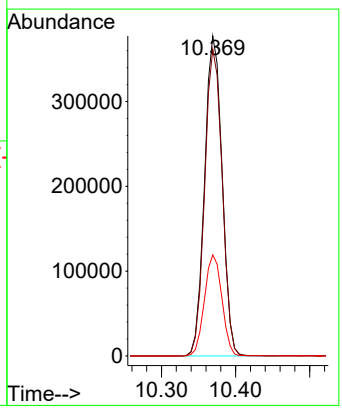


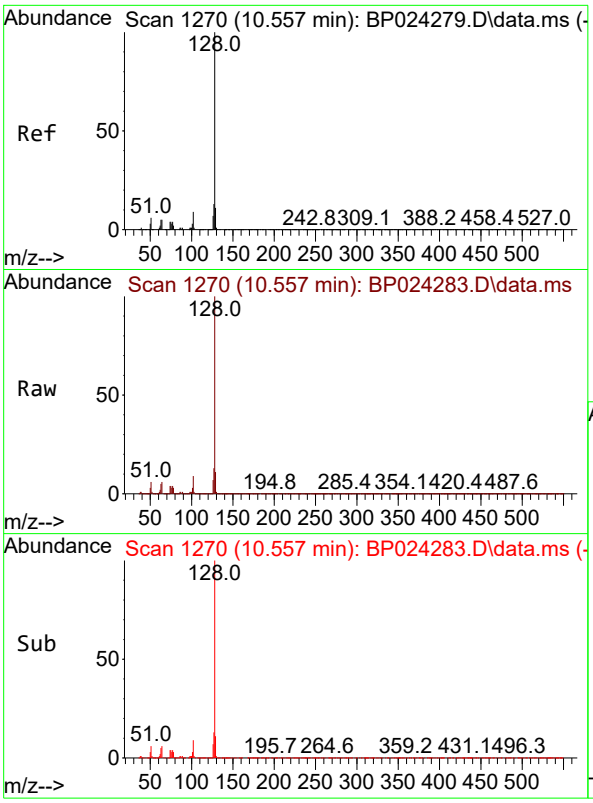


#30
1,2,4-Trichlorobenzene
Concen: 41.612 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:180 Resp: 619818

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
145	31.6	25.1	37.7



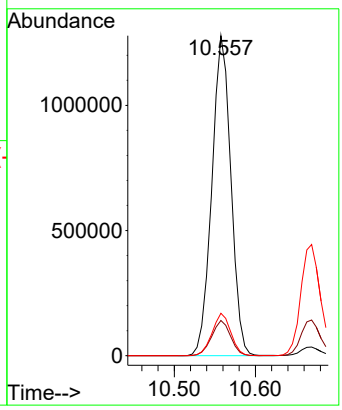


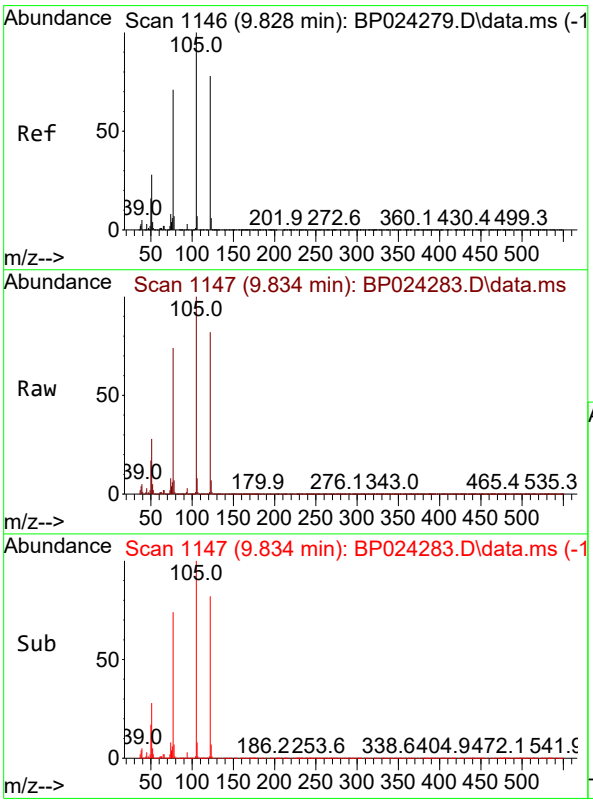
#31
Naphthalene
Concen: 41.386 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:128 Resp: 2085090

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.3	15.5

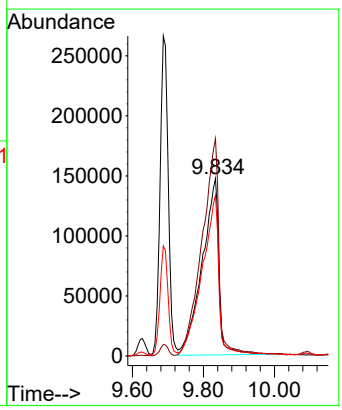


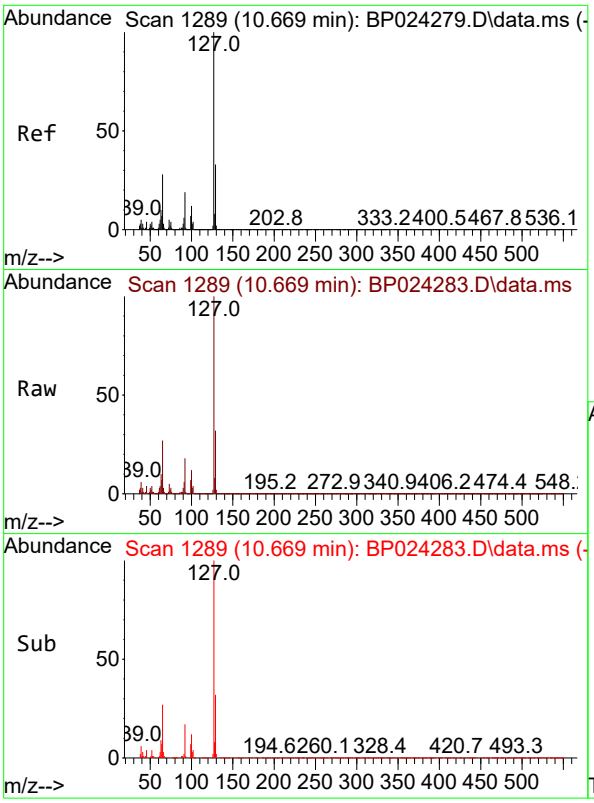


#32
Benzoic acid
Concen: 40.959 ng
RT: 9.834 min Scan# 1147
Delta R.T. -0.041 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:122 Resp: 486627

Ion	Ratio	Lower	Upper
122	100		
105	122.5	104.8	144.8
77	90.6	69.2	109.2



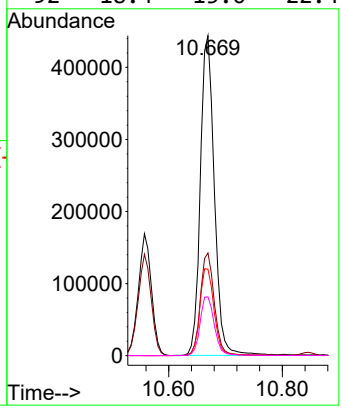


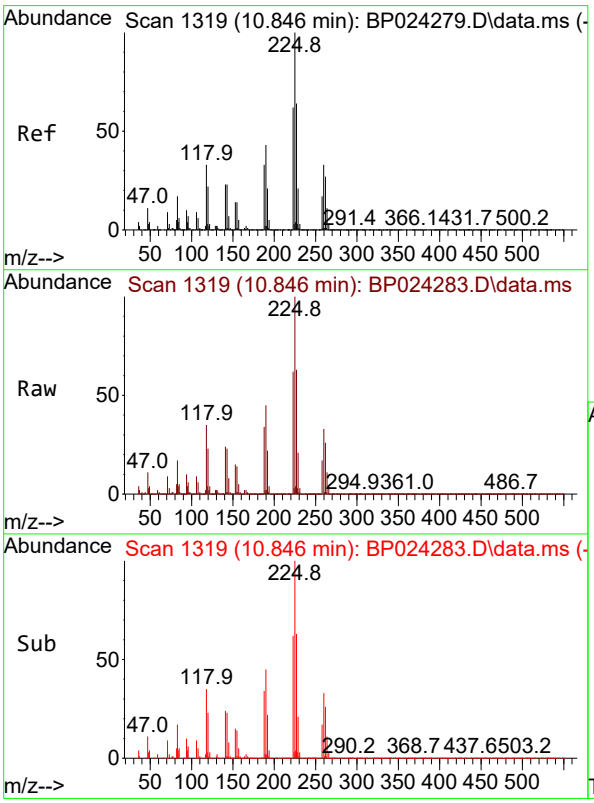
#33
4-Chloroaniline
Concen: 42.937 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:127 Resp: 761817

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	27.1	22.1	33.1
92	18.4	15.0	22.4

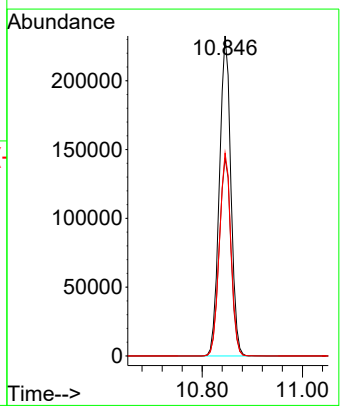


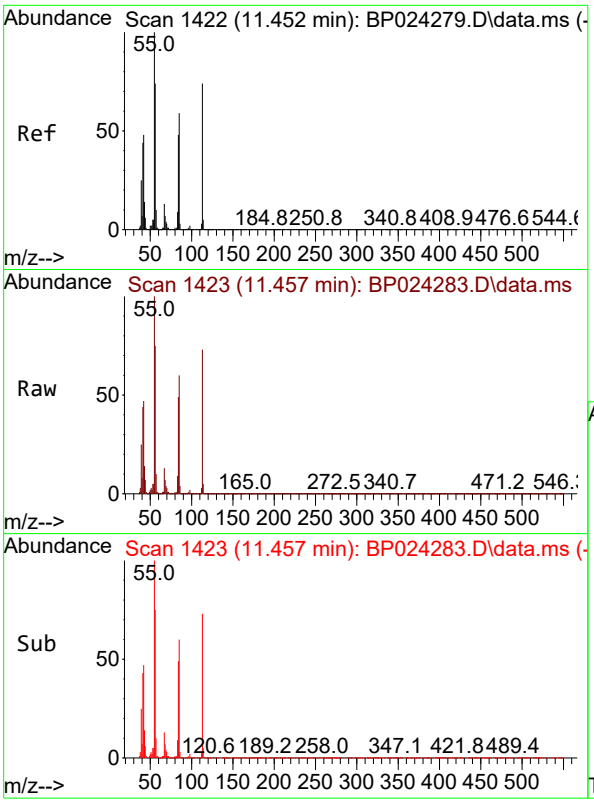


#34
Hexachlorobutadiene
Concen: 42.007 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:225 Resp: 367684

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.4	50.9	76.3



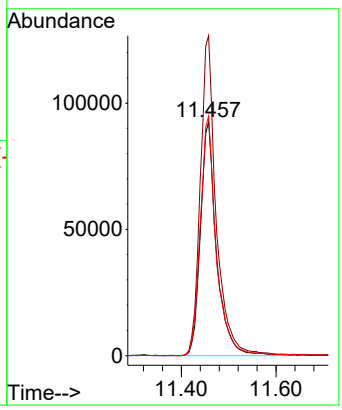


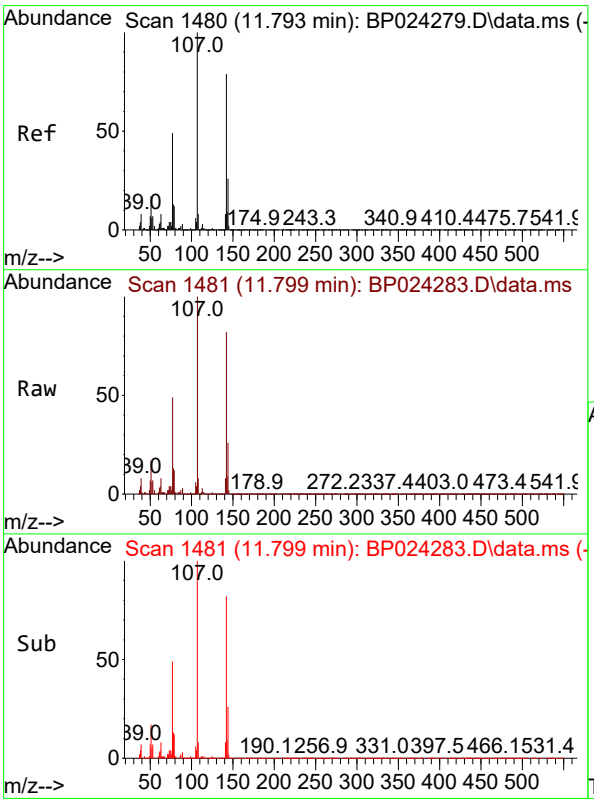
#35
Caprolactam
Concen: 42.152 ng
RT: 11.457 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:113 Resp: 216229

Ion	Ratio	Lower	Upper
113	100		
55	136.8	115.9	155.9
56	102.3	81.1	121.1

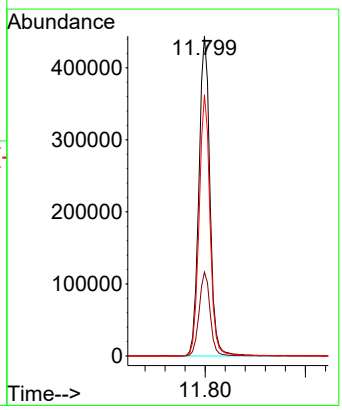


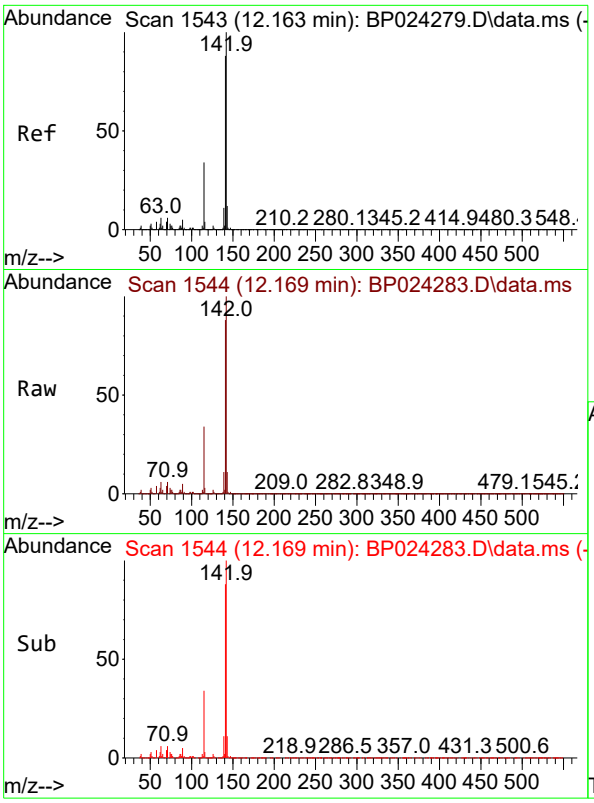


#36
4-Chloro-3-methylphenol
Concen: 41.737 ng
RT: 11.799 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 675857

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.5	30.7
142	81.6	63.4	95.2



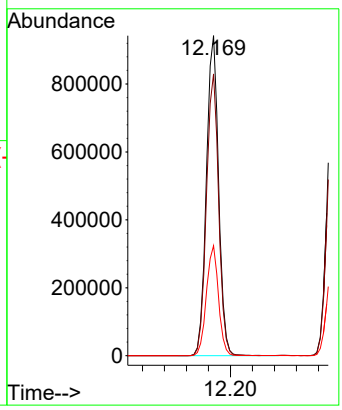


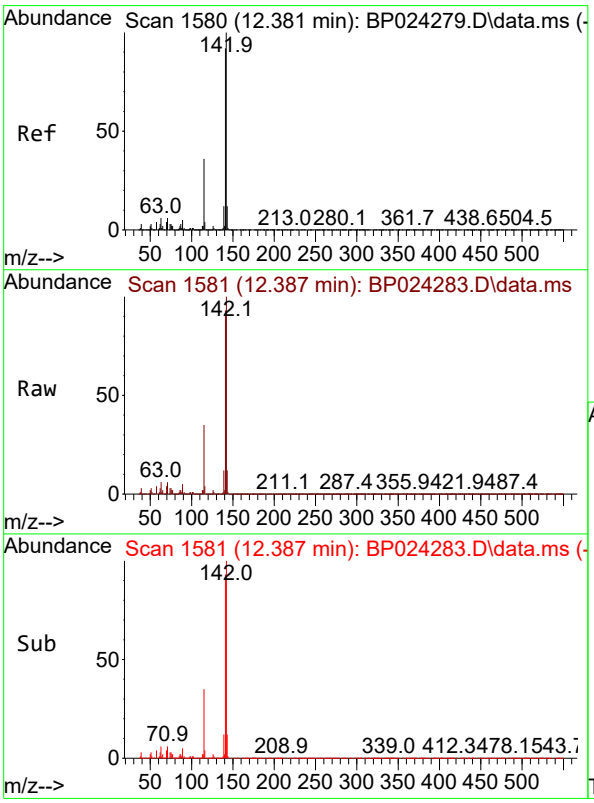
#37
2-Methylnaphthalene
Concen: 41.403 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:142 Resp: 1446647

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	34.4	26.9	40.3

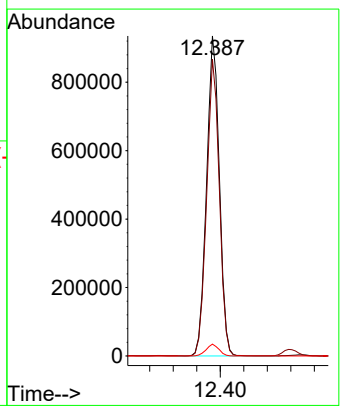


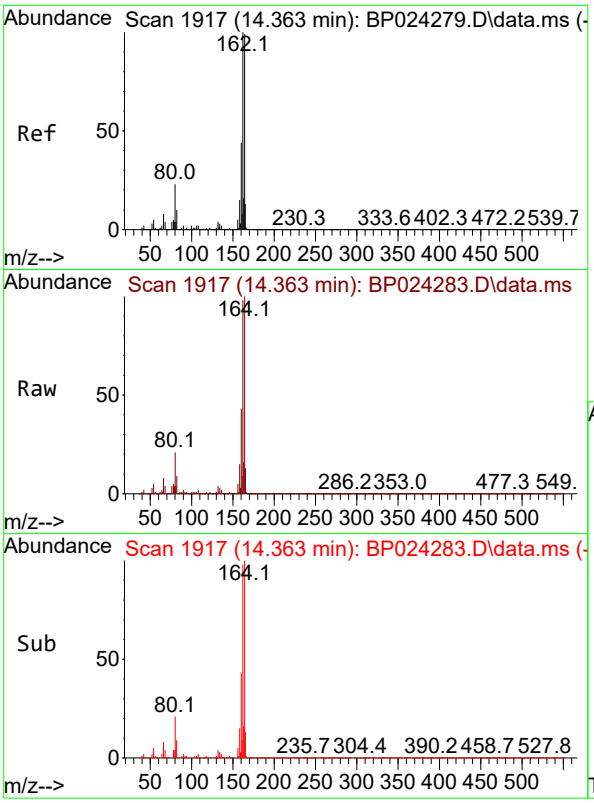


#38
1-Methylnaphthalene
Concen: 41.210 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:142 Resp: 1408633

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.6	110.4
116	3.7	3.0	4.6



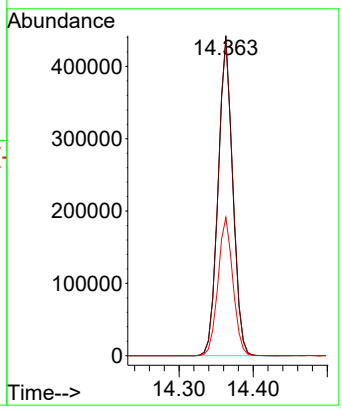


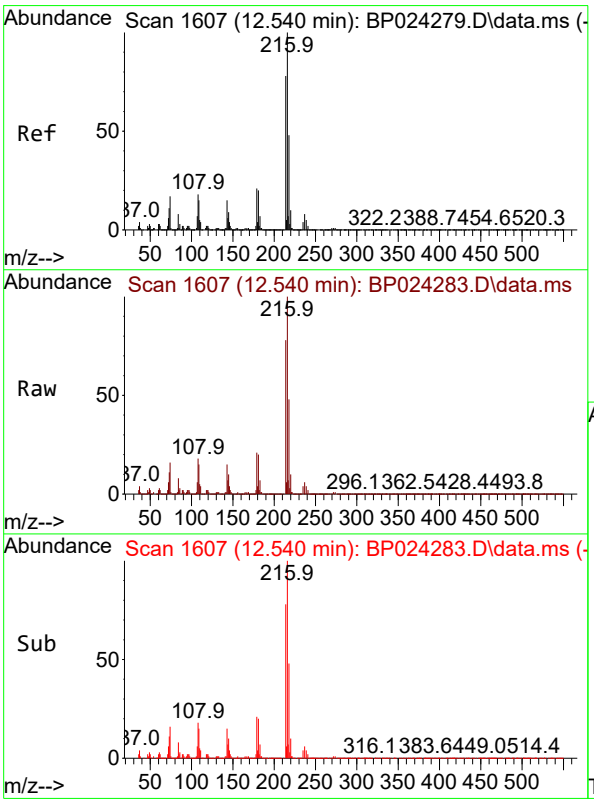
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:164 Resp: 600031

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	120.8
160	43.2	35.3	52.9

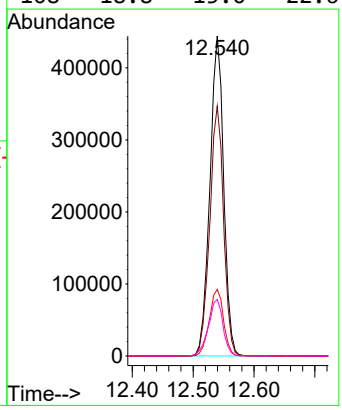


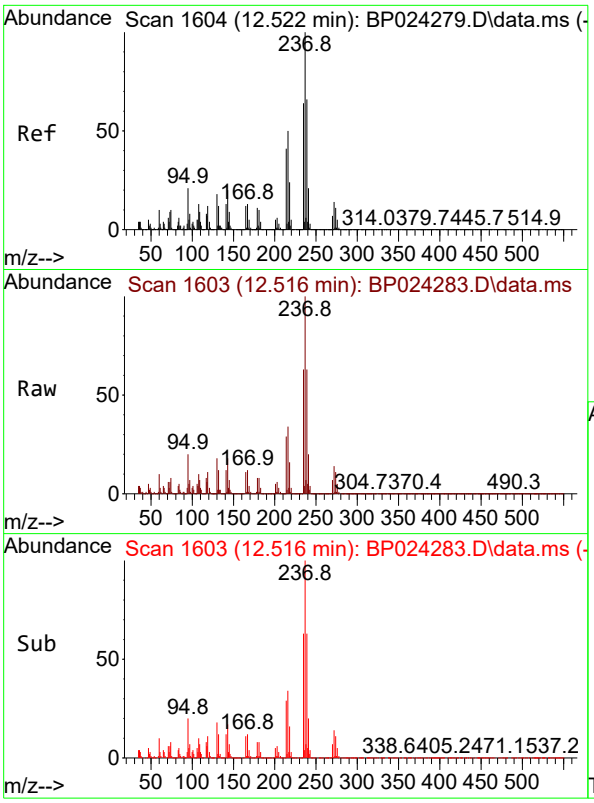


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.275 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:216 Resp: 697580

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



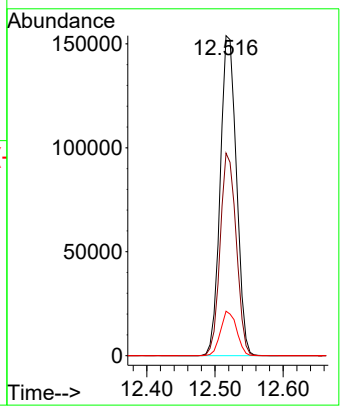


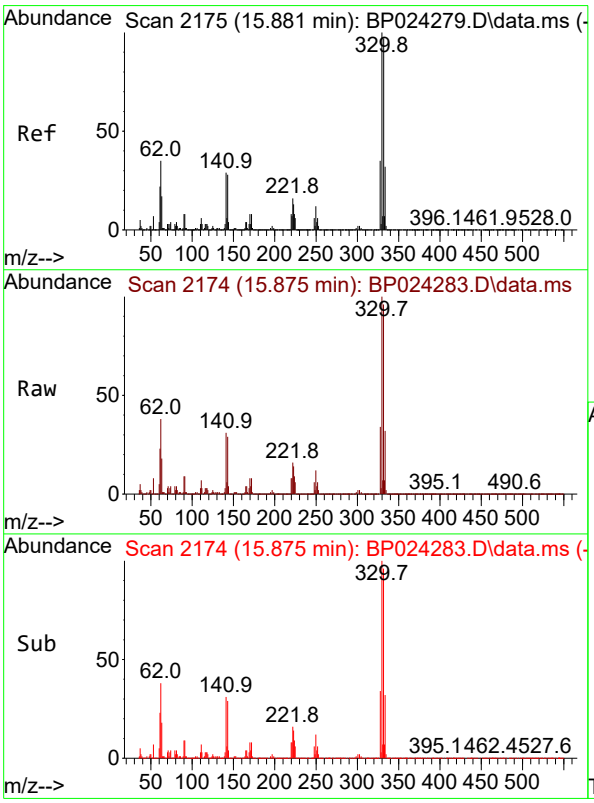
#41
Hexachlorocyclopentadiene
Concen: 43.639 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:237 Resp: 254676

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.9	0.0	33.6

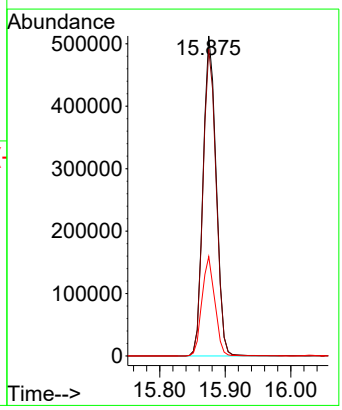


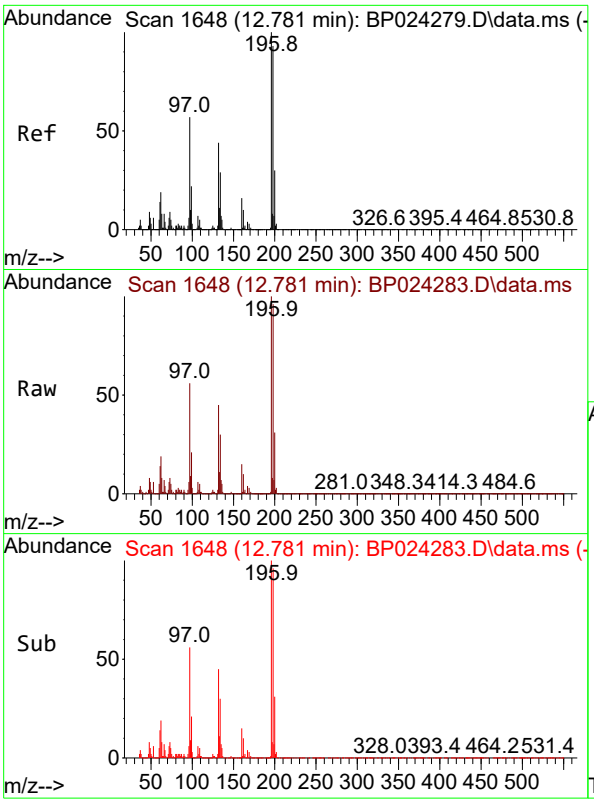


#42
2,4,6-Tribromophenol
Concen: 85.488 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:330 Resp: 709703

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.7	24.7	37.1



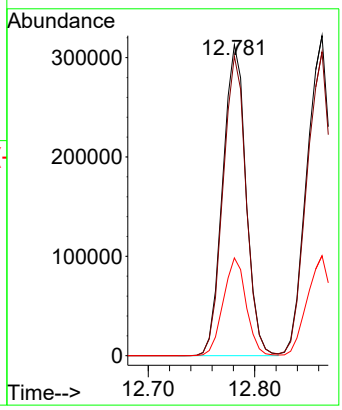


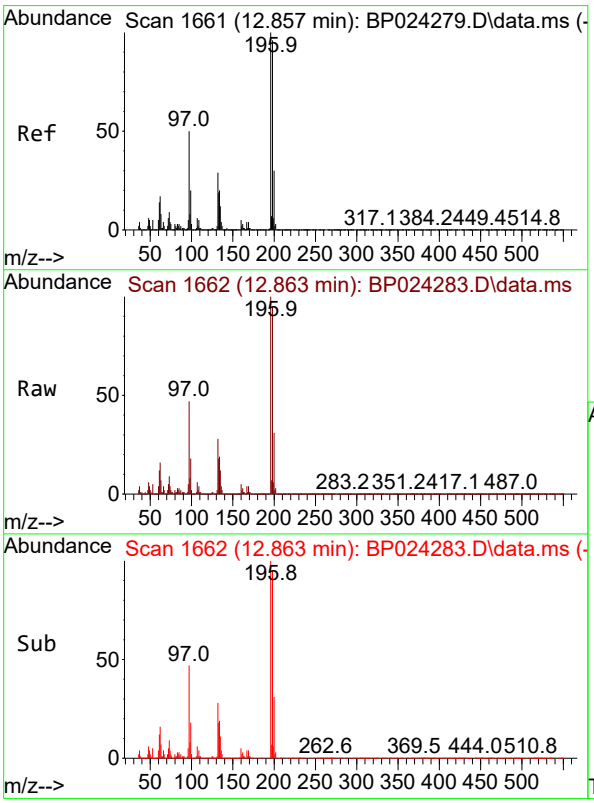
#43
2,4,6-Trichlorophenol
Concen: 43.329 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:196 Resp: 475349

Ion	Ratio	Lower	Upper
196	100		
198	96.3	74.3	111.5
200	31.4	24.0	36.0

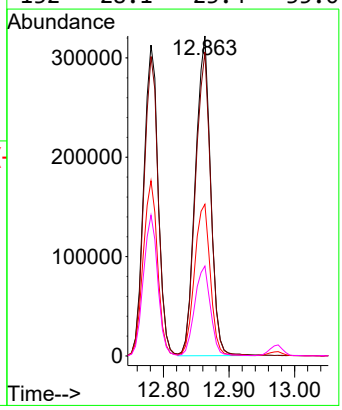


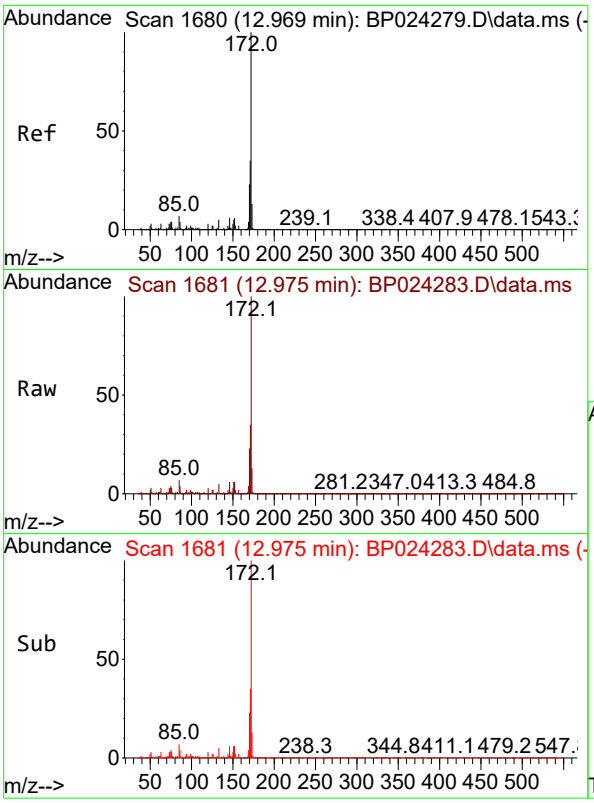


#44
2,4,5-Trichlorophenol
Concen: 42.828 ng
RT: 12.863 min Scan# 1662
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:196 Resp: 520298

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.4	40.4	60.6
132	28.1	23.4	35.0



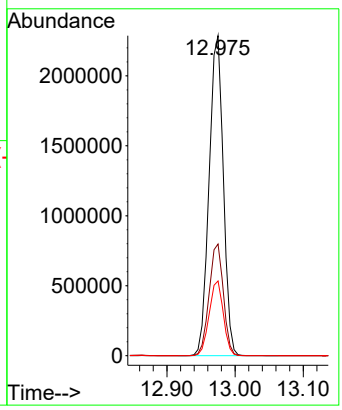


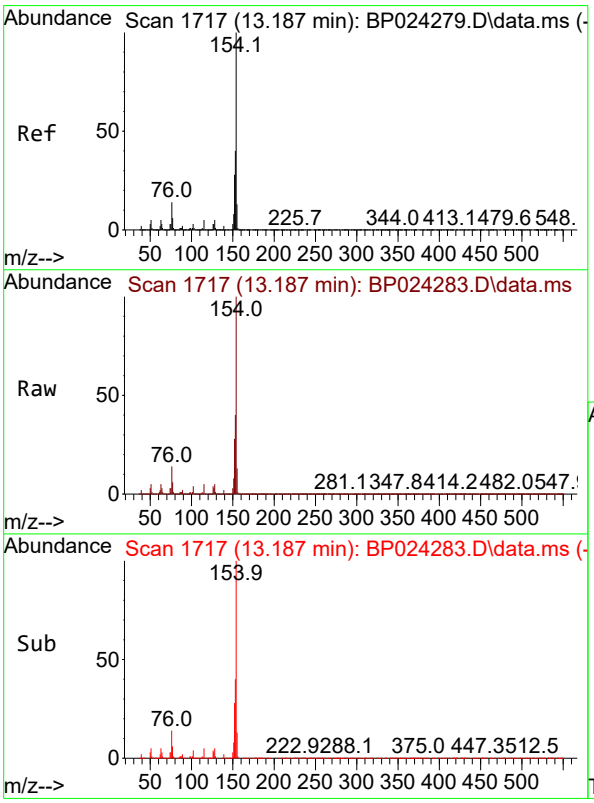
#45
2-Fluorobiphenyl
Concen: 84.715 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:172 Resp: 3319933

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.3	18.6	27.8

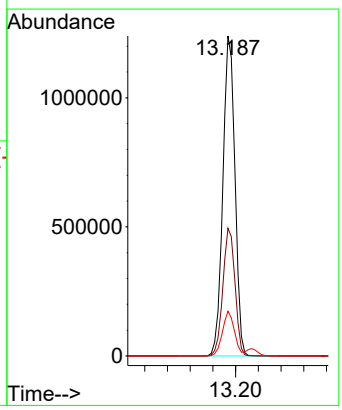


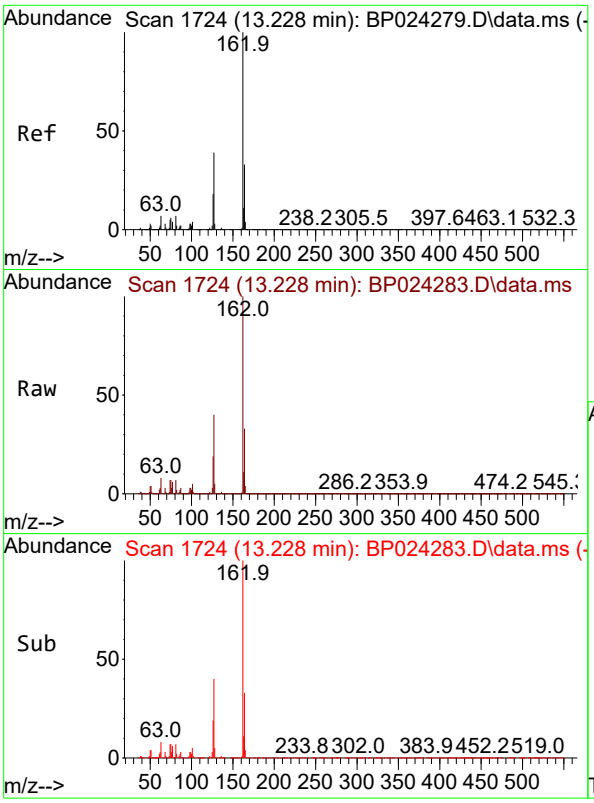


#46
1,1'-Biphenyl
Concen: 41.595 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1834570

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	14.0	0.0	33.5



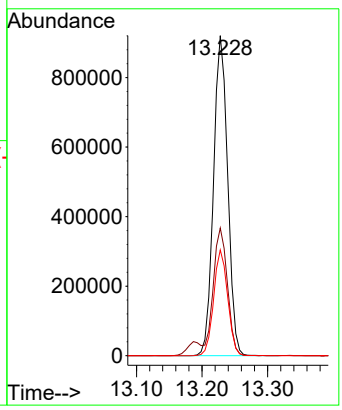


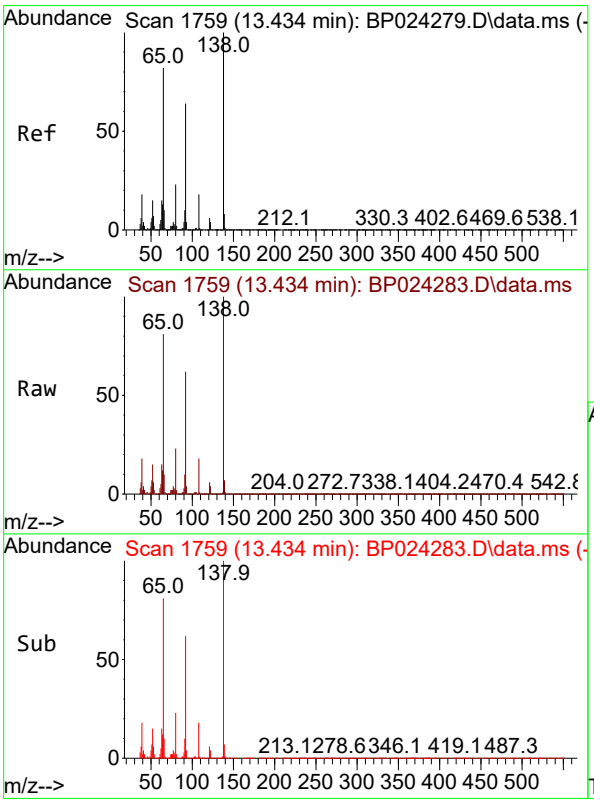
#47
2-Chloronaphthalene
Concen: 41.786 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 1377424

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.0	26.2	39.4

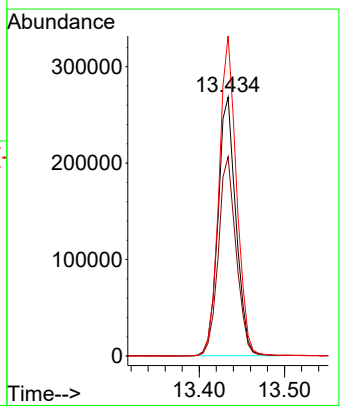


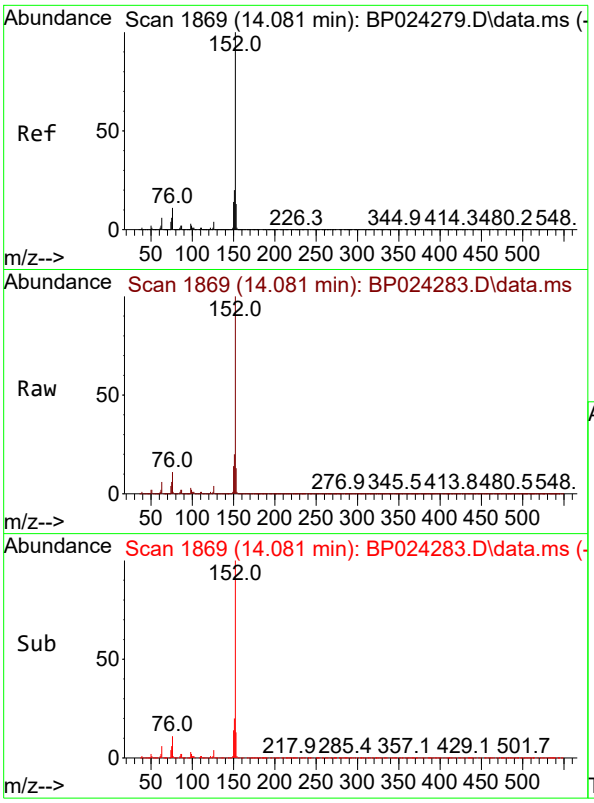


#48
2-Nitroaniline
Concen: 42.475 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 65 Resp: 392742

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	123.6	97.2	145.8



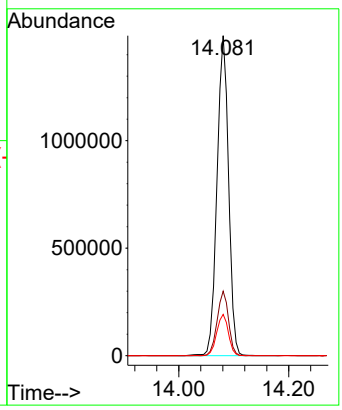


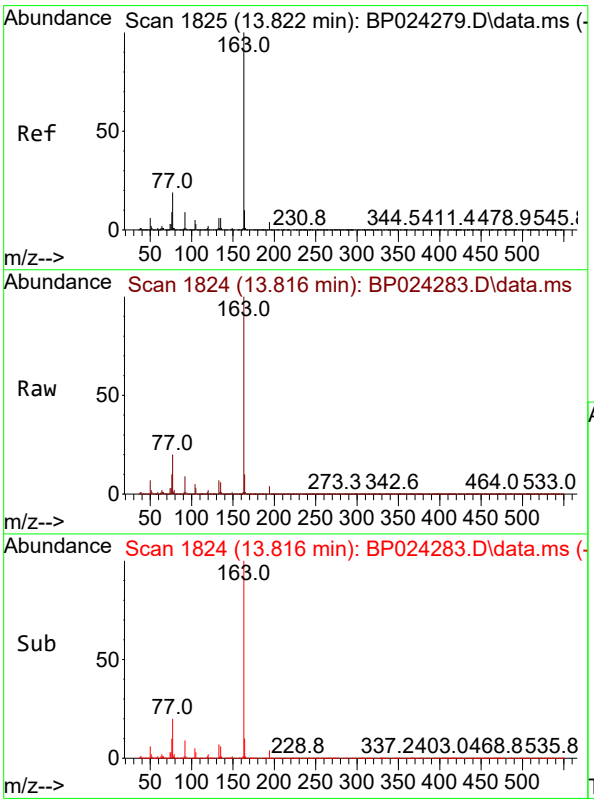
#49
Acenaphthylene
Concen: 41.783 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 2168474

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.9	10.6	15.8

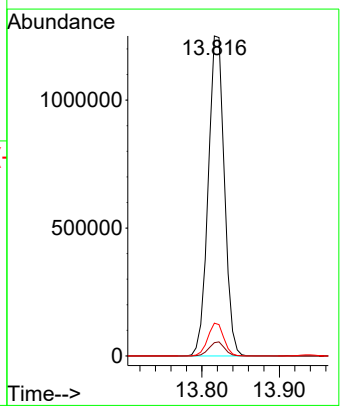


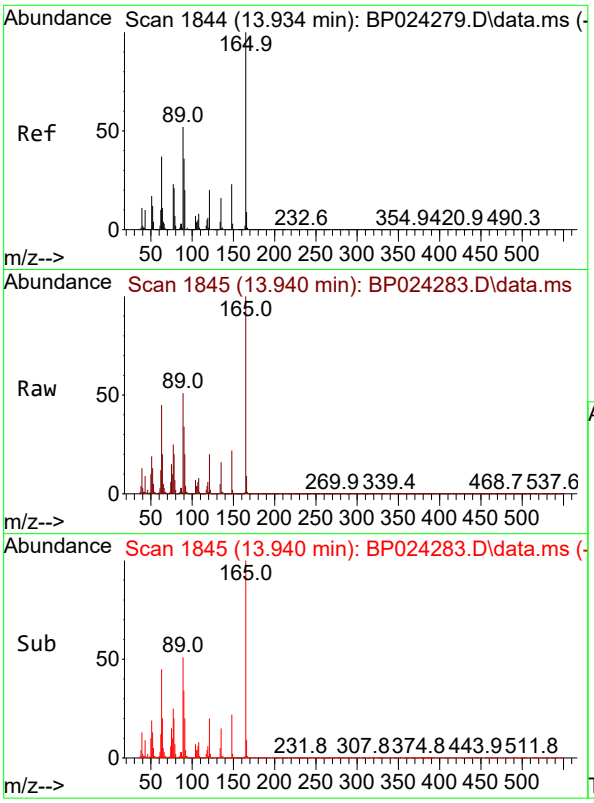


#50
Dimethylphthalate
Concen: 41.478 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:163 Resp: 1809923

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.2	8.0	12.0



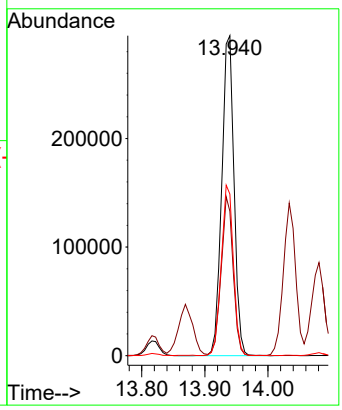


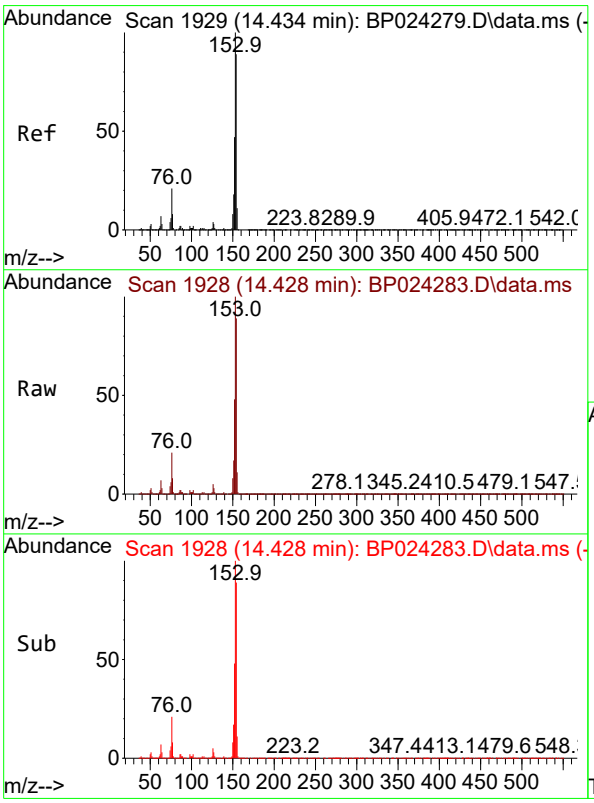
#51
2,6-Dinitrotoluene
Concen: 42.990 ng
RT: 13.940 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 398345

Ion	Ratio	Lower	Upper
165	100		
63	45.1	38.0	57.0
89	50.5	41.7	62.5

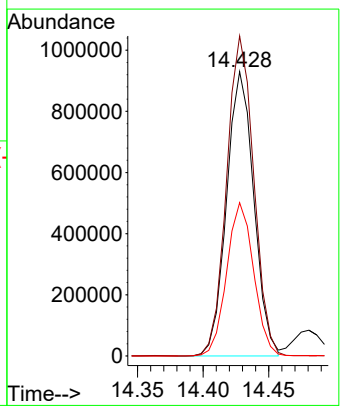


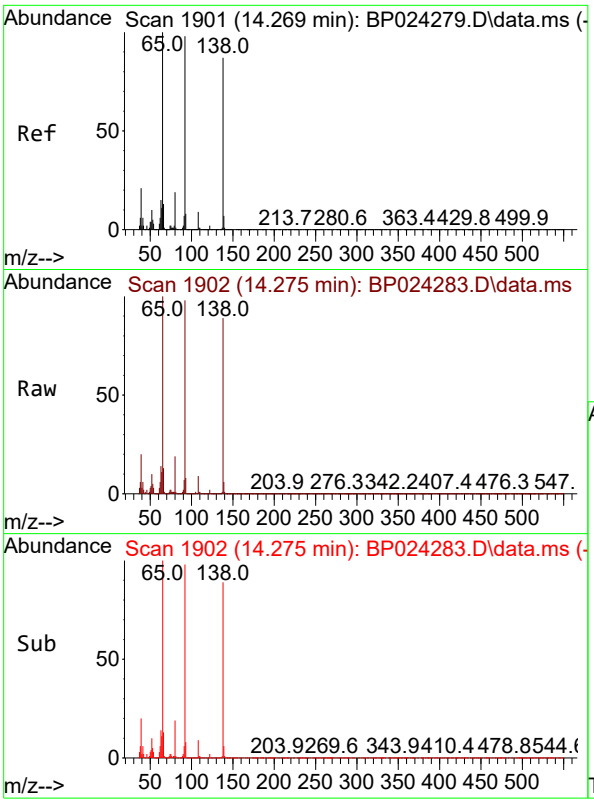


#52
Acenaphthene
Concen: 40.853 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1344151

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.8	134.6
152	53.9	42.6	63.8



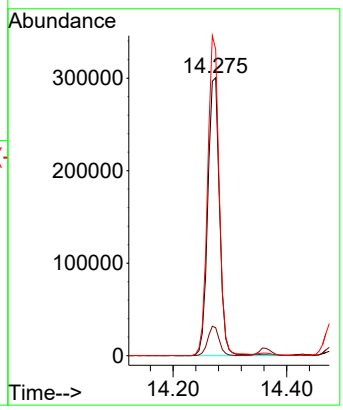


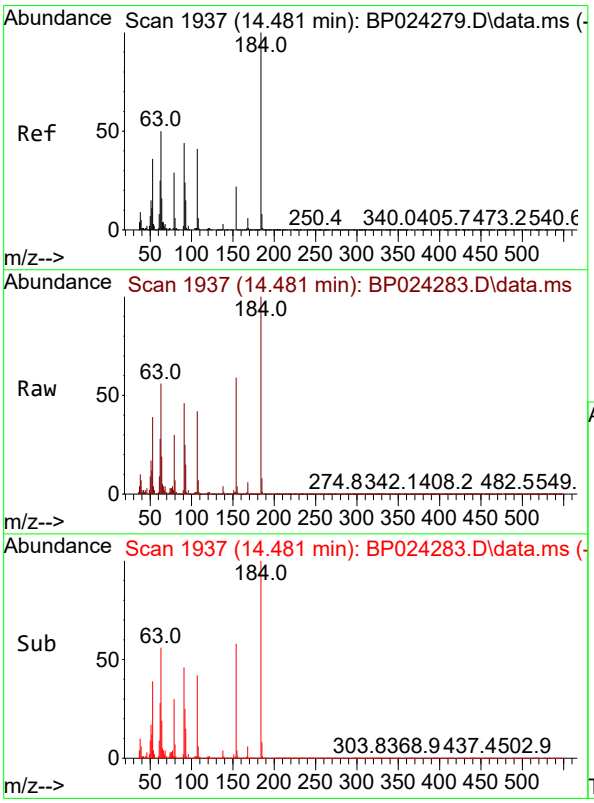
#53
3-Nitroaniline
Concen: 43.931 ng
RT: 14.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:138 Resp: 427828

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.3	12.5
92	110.2	89.8	134.8

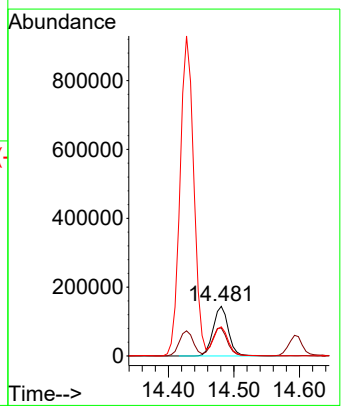


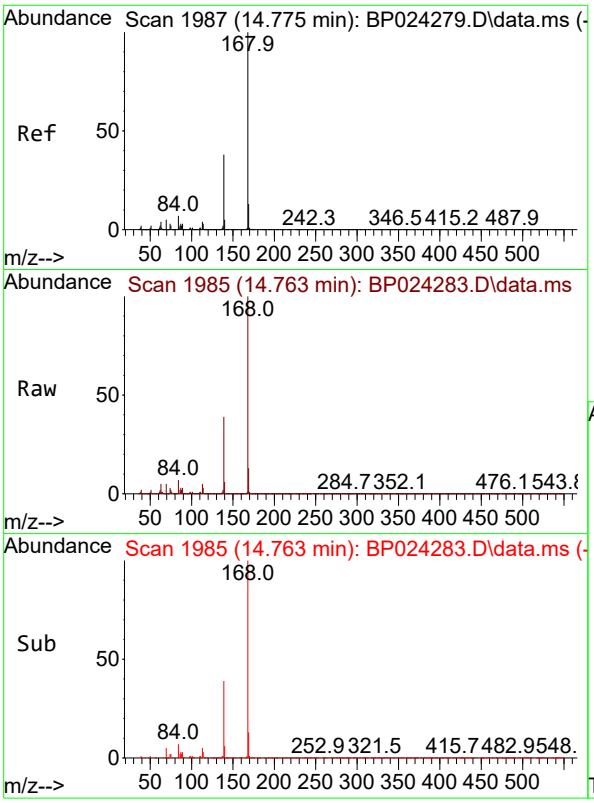


#54
2,4-Dinitrophenol
Concen: 42.485 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:184 Resp: 231882

Ion	Ratio	Lower	Upper
184	100		
63	56.3	42.6	64.0
154	58.5	47.2	70.8



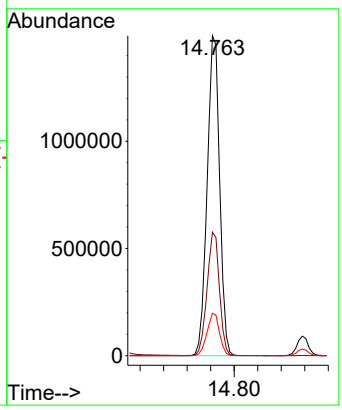


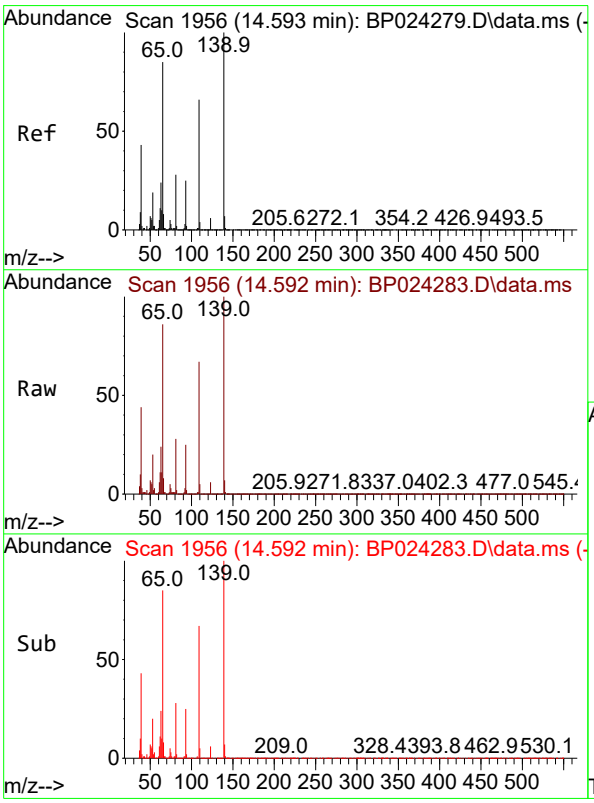
#55
Dibenzofuran
Concen: 40.679 ng
RT: 14.763 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:168 Resp: 2187786

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.3	45.5
169	13.3	10.6	16.0

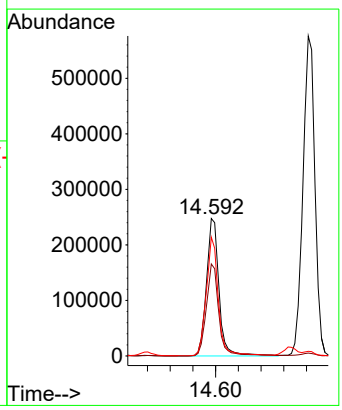


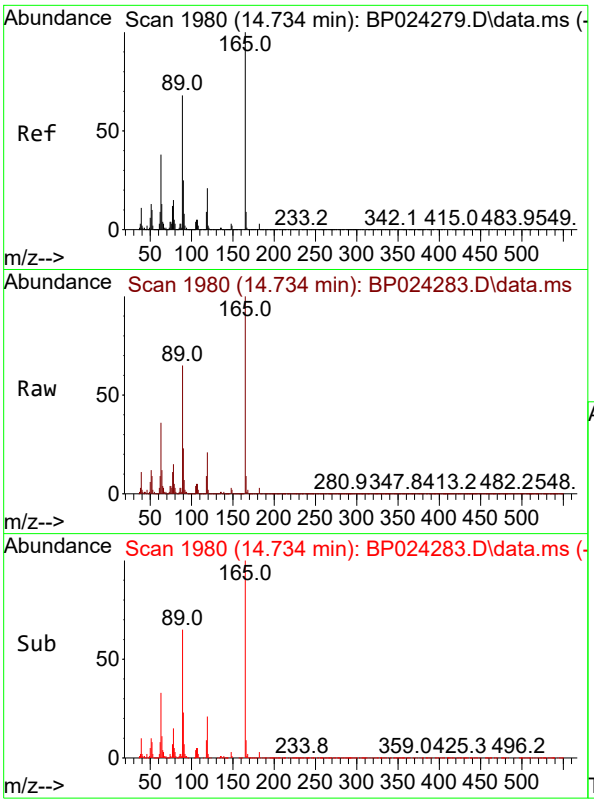


#56
4-Nitrophenol
Concen: 44.968 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 378214

Ion	Ratio	Lower	Upper
139	100		
109	66.9	46.1	86.1
65	86.3	65.0	105.0



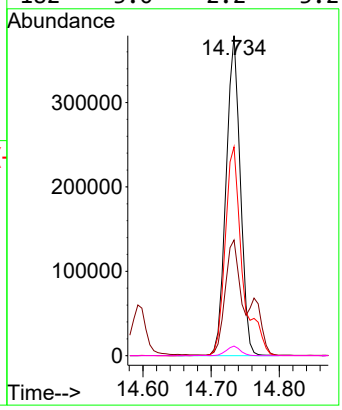


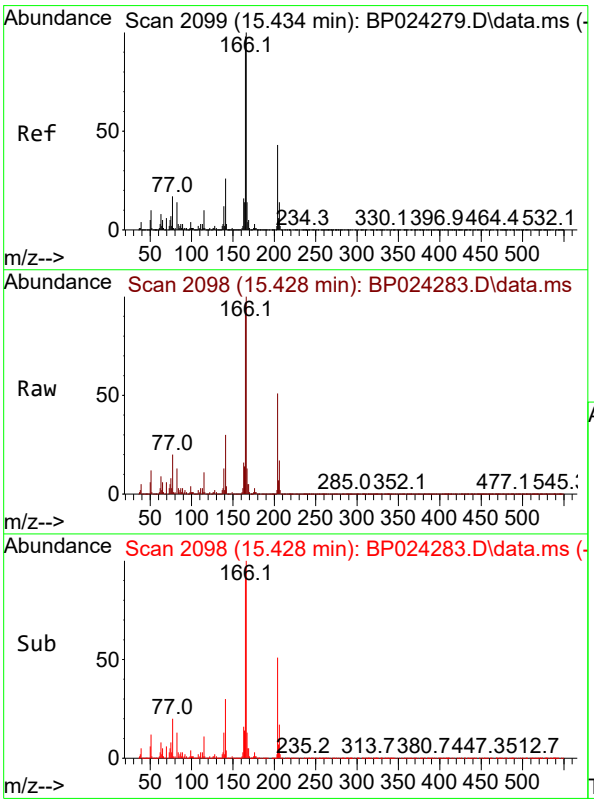
#57
2,4-Dinitrotoluene
Concen: 43.527 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 550175

Ion	Ratio	Lower	Upper
165	100		
63	36.1	30.4	45.6
89	65.2	54.6	82.0
182	3.0	2.2	3.2

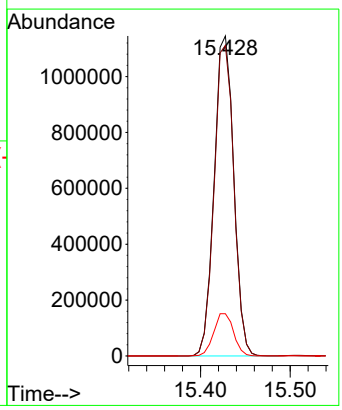


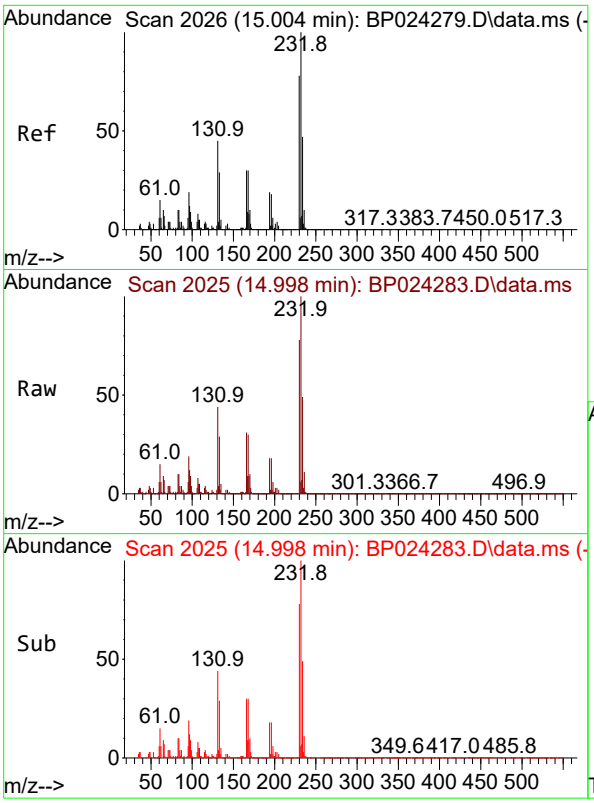


#58
Fluorene
Concen: 41.750 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:166 Resp: 1738215

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.2	10.9	16.3



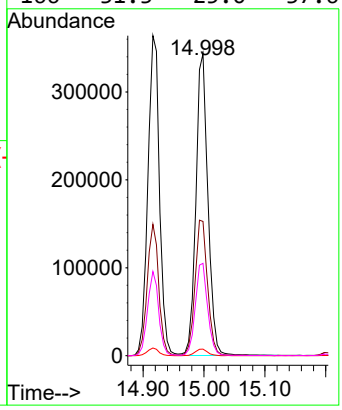


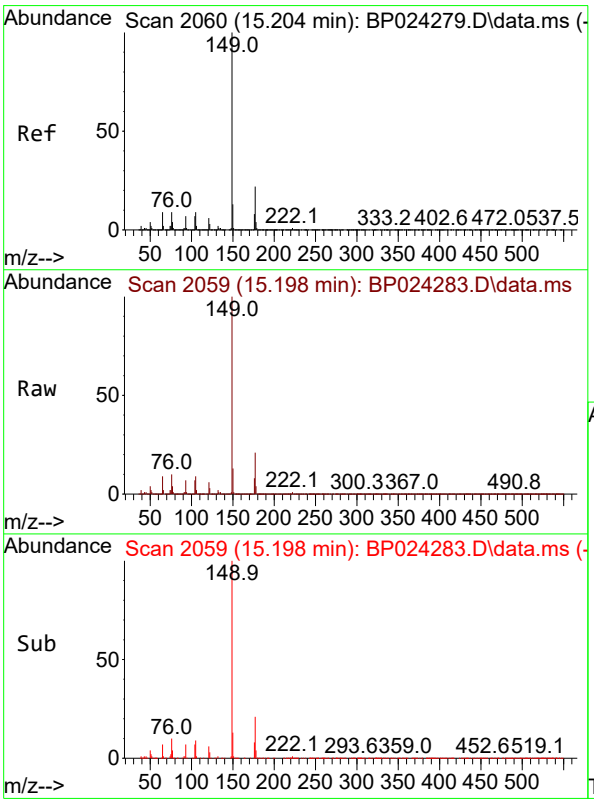
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.995 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:232 Resp: 470547

Ion	Ratio	Lower	Upper
232	100		
131	46.8	36.8	55.2
130	2.3	1.9	2.9
166	31.3	25.0	37.6

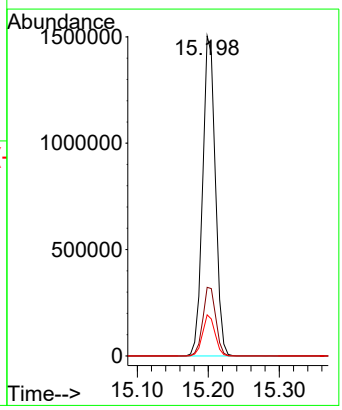


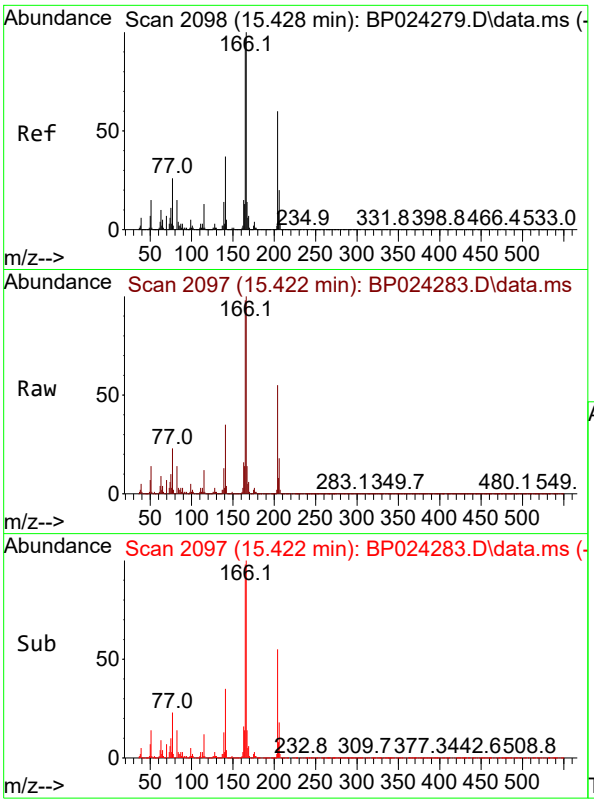


#60
Diethylphthalate
Concen: 41.570 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1869274

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.8	10.1	15.1



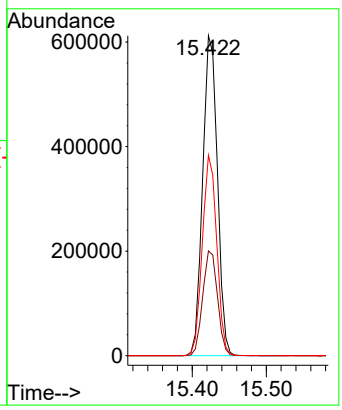


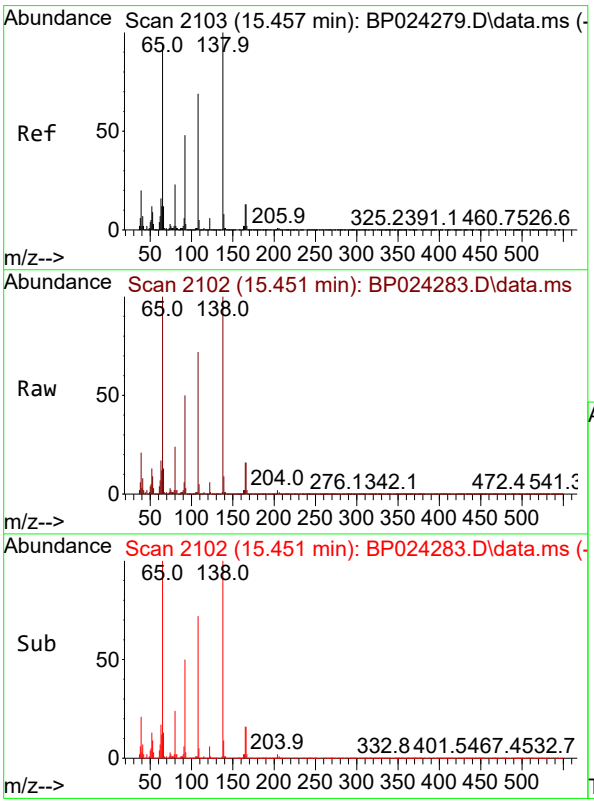
#61
4-Chlorophenyl-phenylether
Concen: 41.777 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:204 Resp: 844629

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.6	49.4	74.0

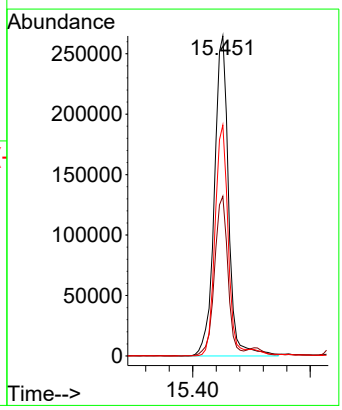


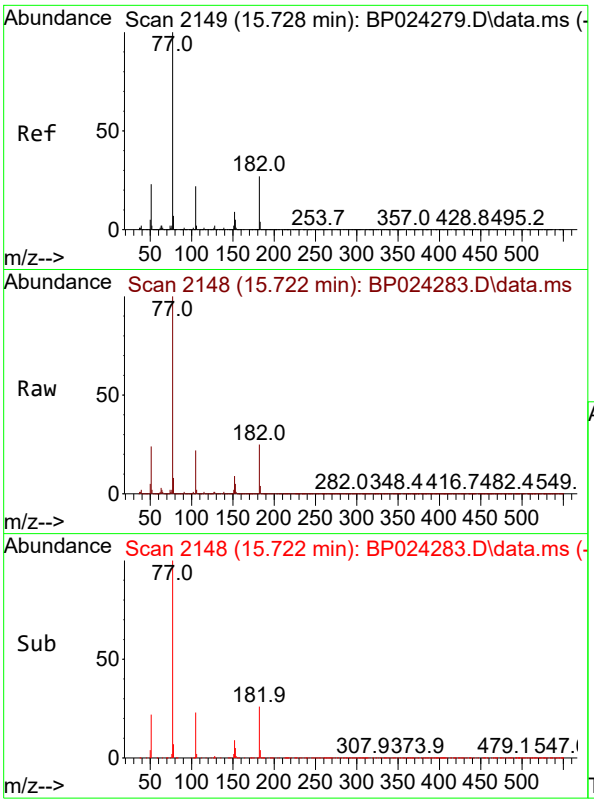


#62
4-Nitroaniline
Concen: 43.114 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:138 Resp: 444482

Ion	Ratio	Lower	Upper
138	100		
92	49.9	27.8	67.8
108	72.1	48.9	88.9



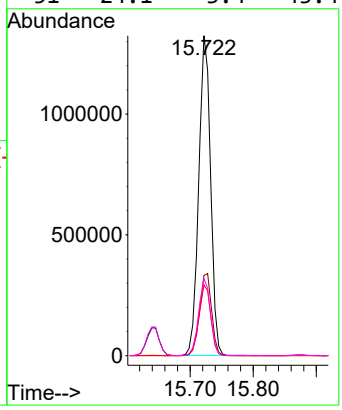


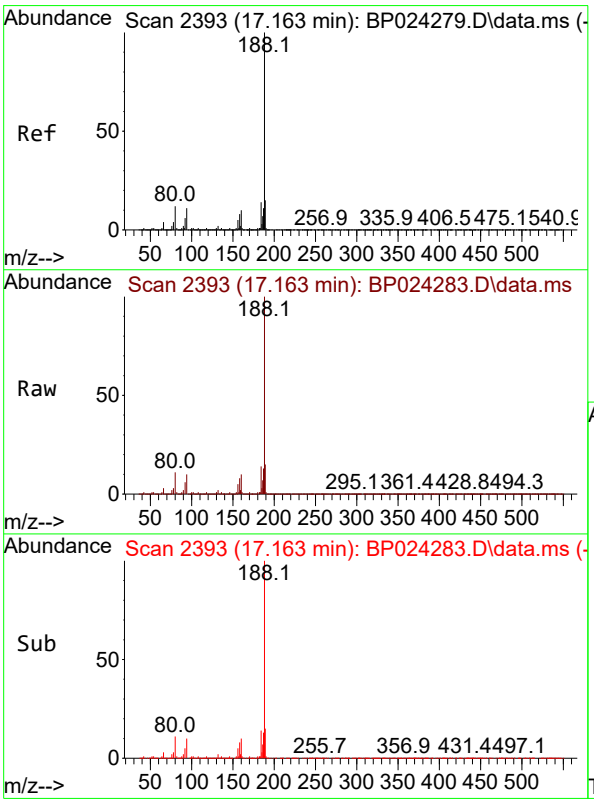
#63
Azobenzene
Concen: 41.686 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 1722900

Ion	Ratio	Lower	Upper
77	100		
182	25.1	7.3	47.3
105	22.1	2.3	42.3
51	24.1	3.4	43.4

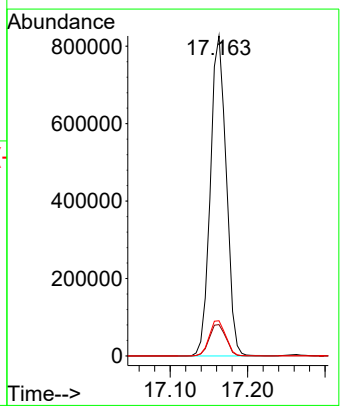


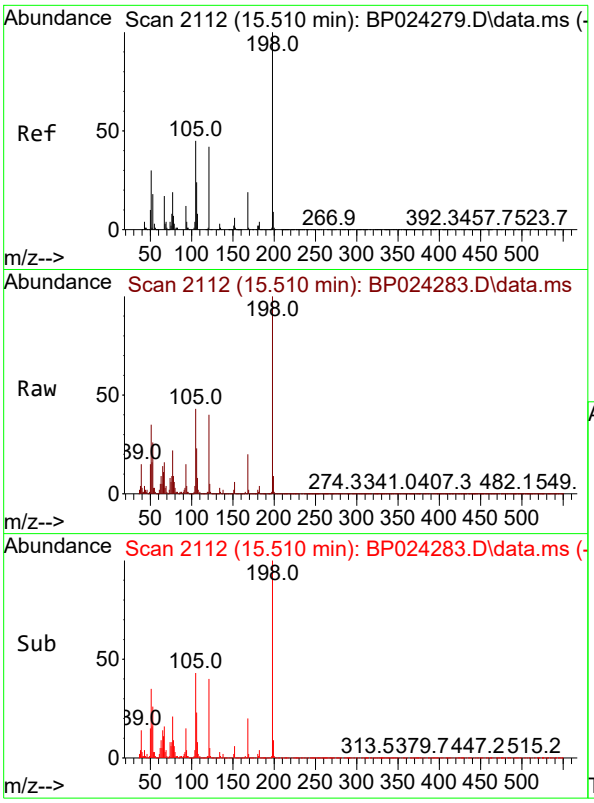


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:188 Resp: 1178916

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.6	13.0
80	11.0	9.8	14.6



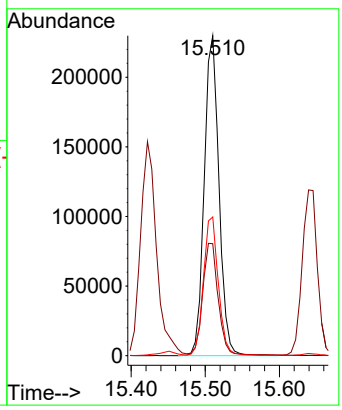


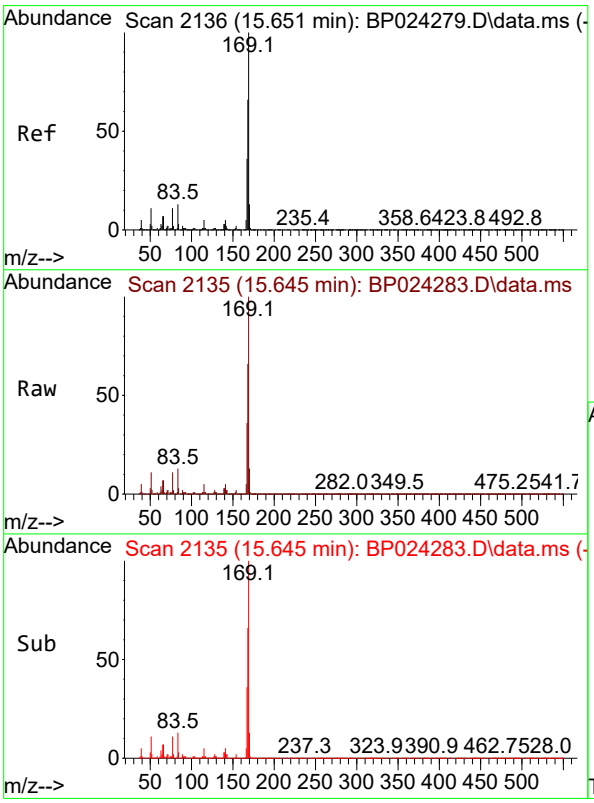
#65
4,6-Dinitro-2-methylphenol
Concen: 42.724 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:198 Resp: 317548

Ion	Ratio	Lower	Upper
198	100		
51	35.0	18.4	58.4
105	43.4	26.5	66.5

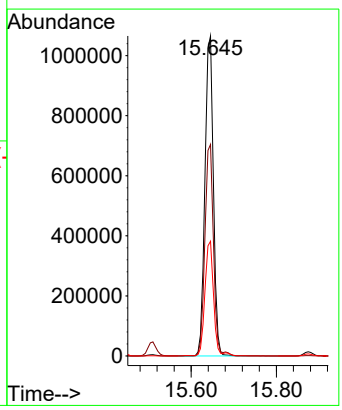


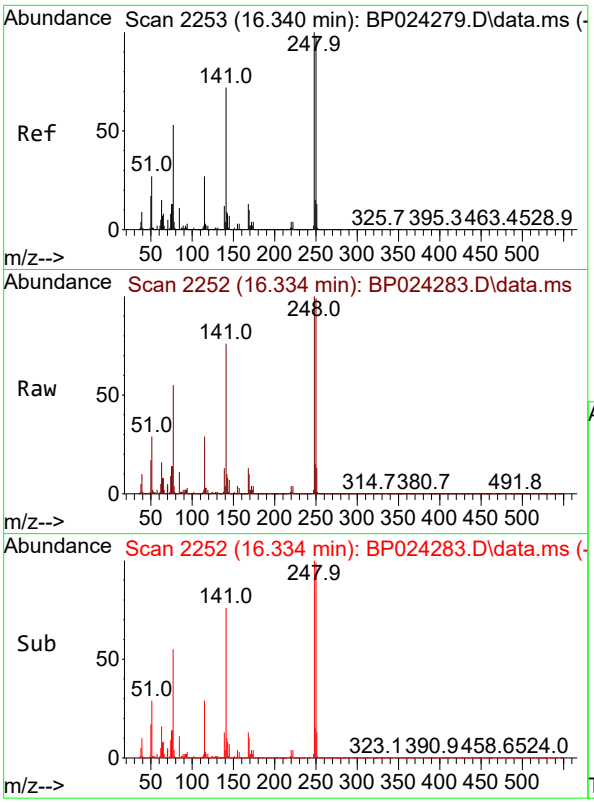


#66
n-Nitrosodiphenylamine
Concen: 41.500 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:169 Resp: 1460282

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.4
167	35.8	28.9	43.3



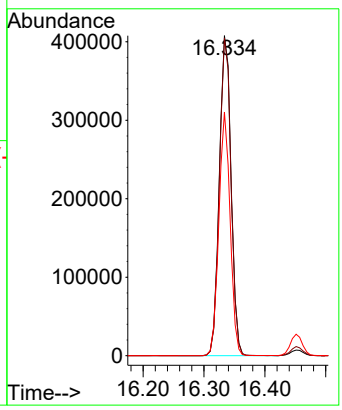


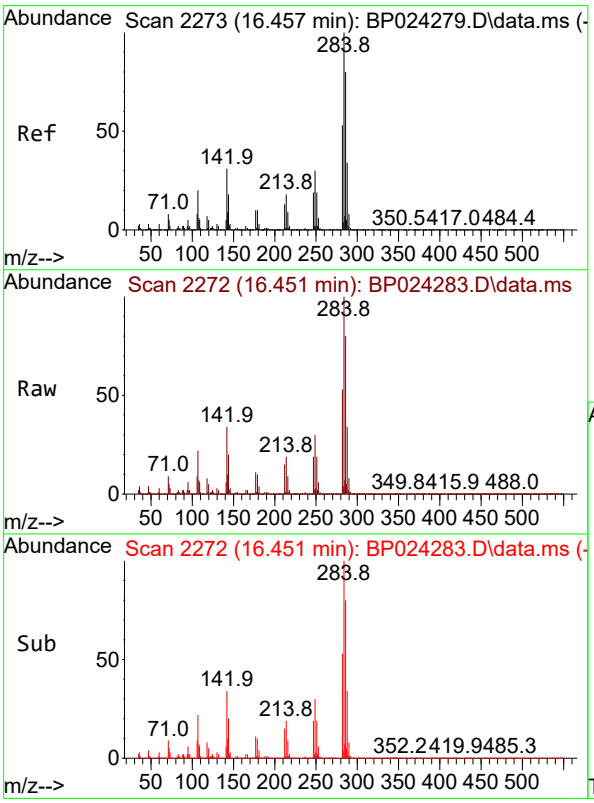
#67
4-Bromophenyl-phenylether
Concen: 42.314 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:248 Resp: 545579

Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.4
141	76.1	57.7	86.5

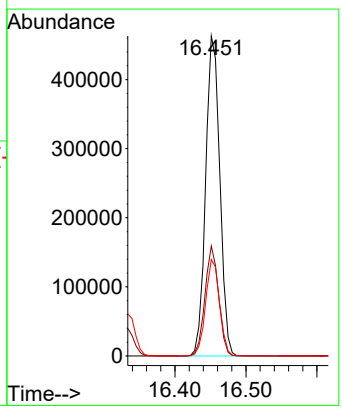


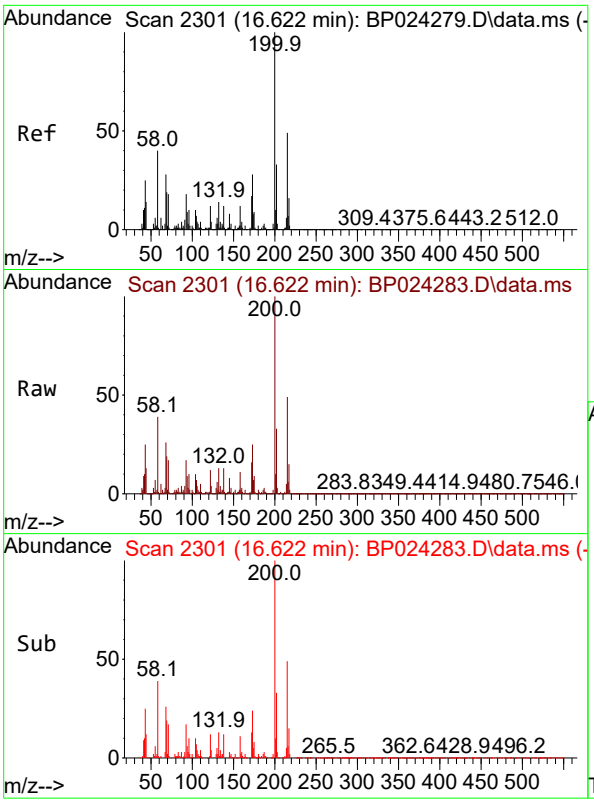


#68
Hexachlorobenzene
Concen: 41.909 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:284 Resp: 642095

Ion	Ratio	Lower	Upper
284	100		
142	34.3	24.6	37.0
249	30.1	23.8	35.6



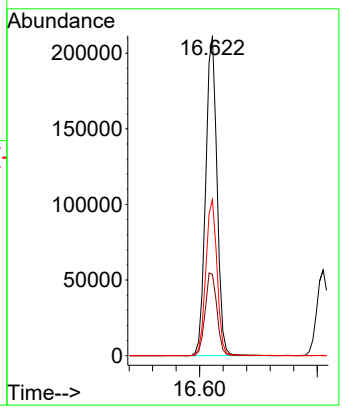


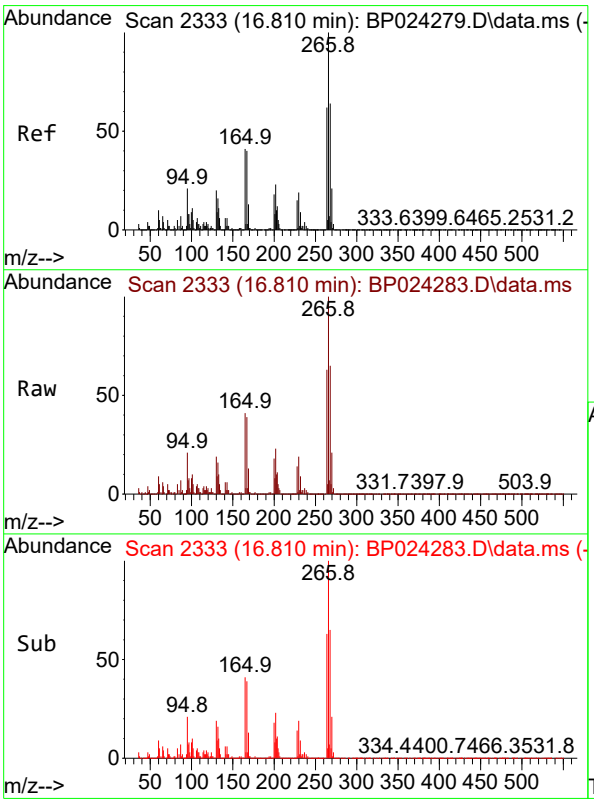
#69
Atrazine
Concen: 31.567 ng
RT: 16.622 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:200 Resp: 282908

Ion	Ratio	Lower	Upper
200	100		
173	25.4	7.5	47.5
215	48.7	28.8	68.8

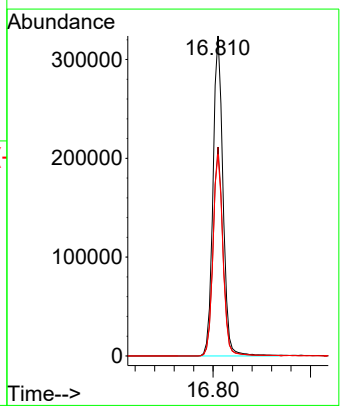


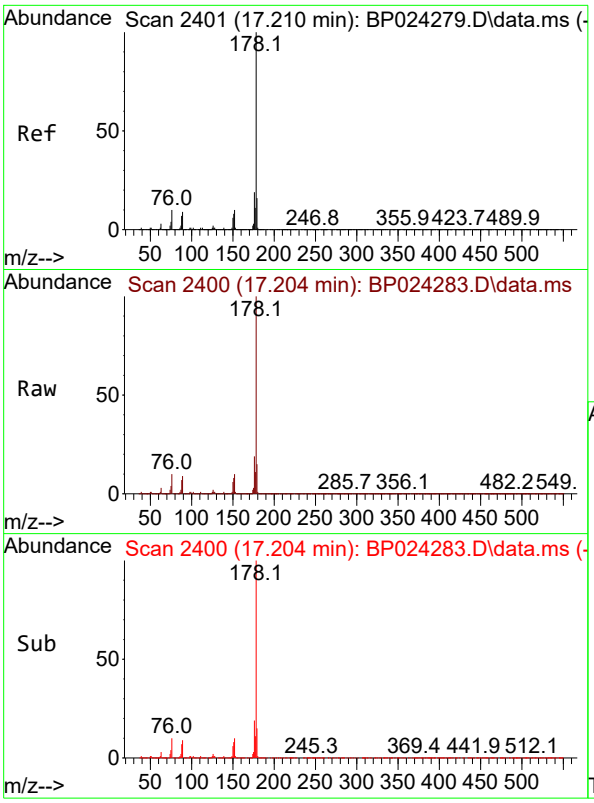


#70
Pentachlorophenol
Concen: 42.900 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:266 Resp: 458529

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.0	76.6
264	63.0	49.8	74.6



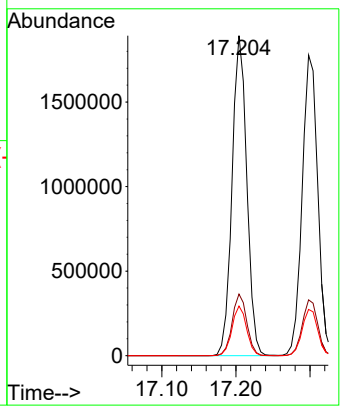


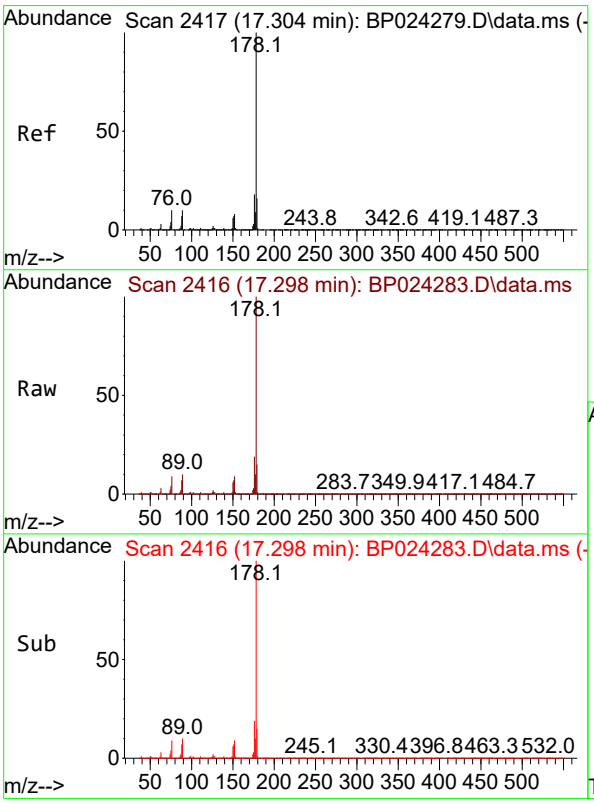
#71
Phenanthrene
Concen: 40.615 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:178 Resp: 2612052

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.5	18.7

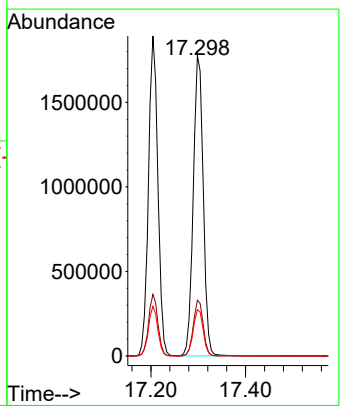


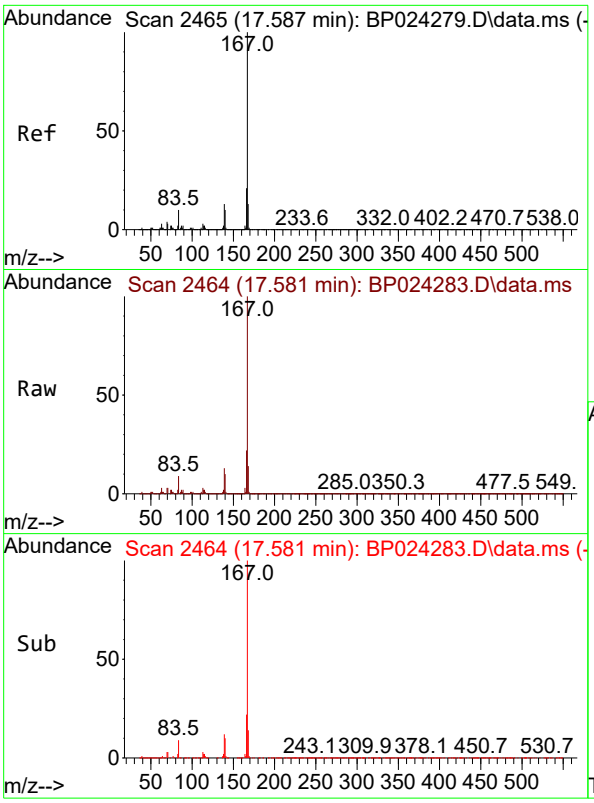


#72
Anthracene
Concen: 42.051 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:178 Resp: 2606508

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.4	18.6



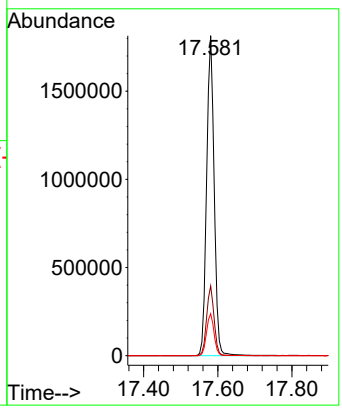


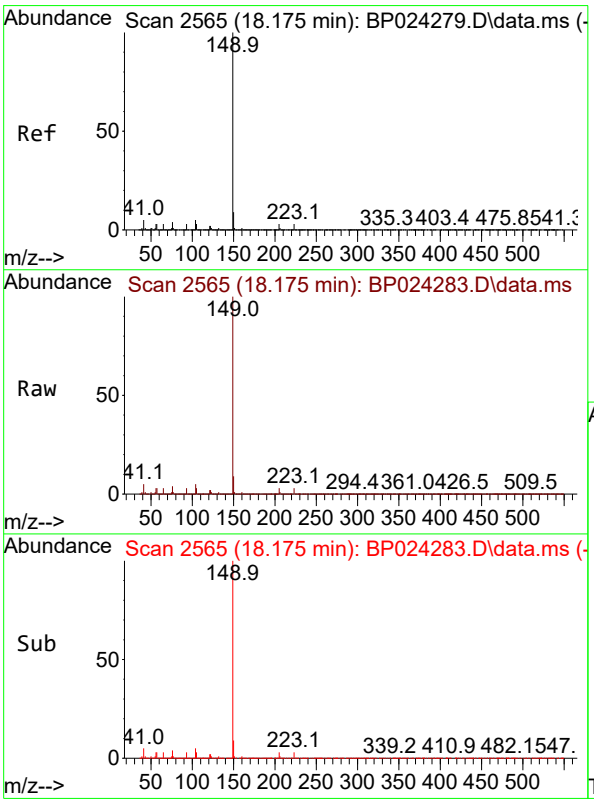
#73
Carbazole
Concen: 42.351 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:167 Resp: 2564955

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.1	10.6	16.0

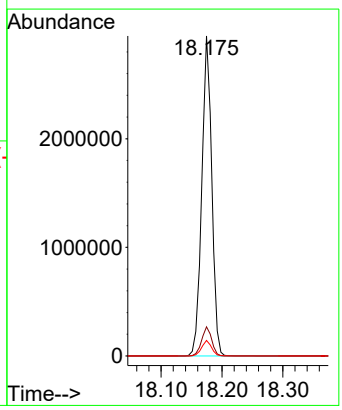


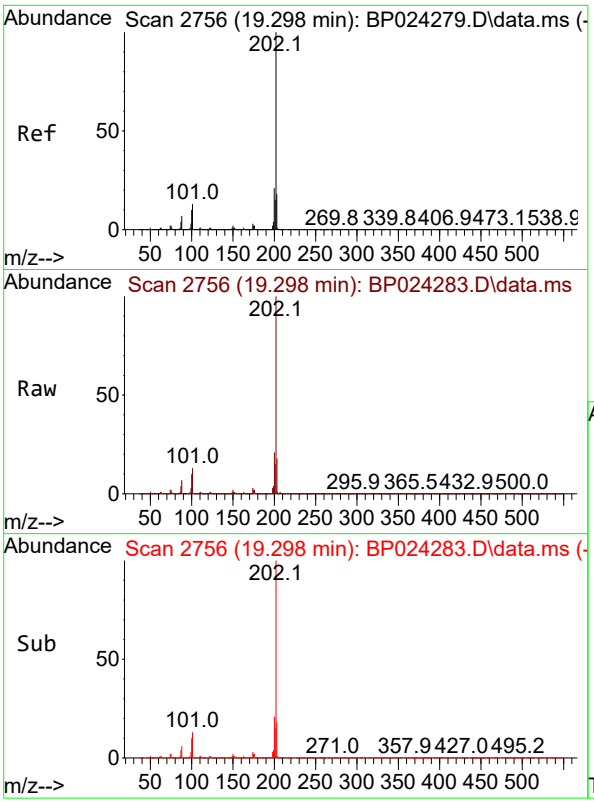


#74
Di-n-butylphthalate
Concen: 44.539 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 3360635

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.9	3.9	5.9



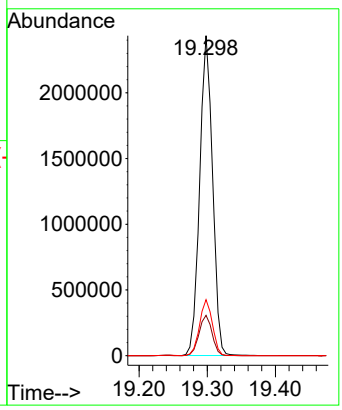


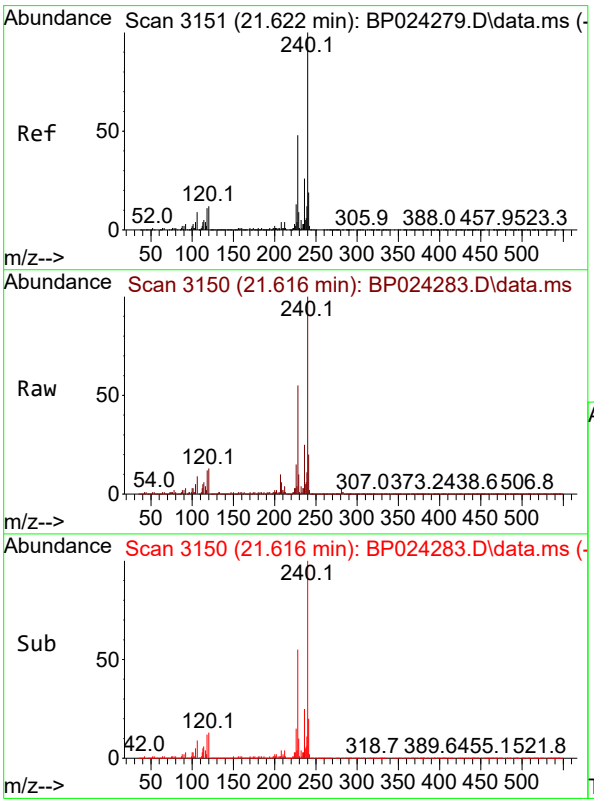
#75
Fluoranthene
Concen: 41.771 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:202 Resp: 3195045

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.5	0.0	37.7

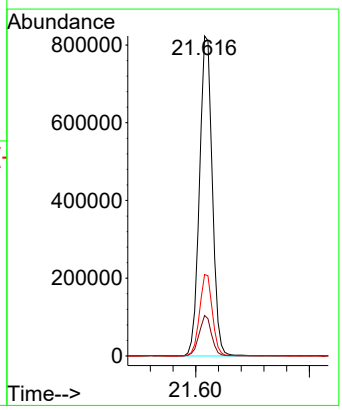


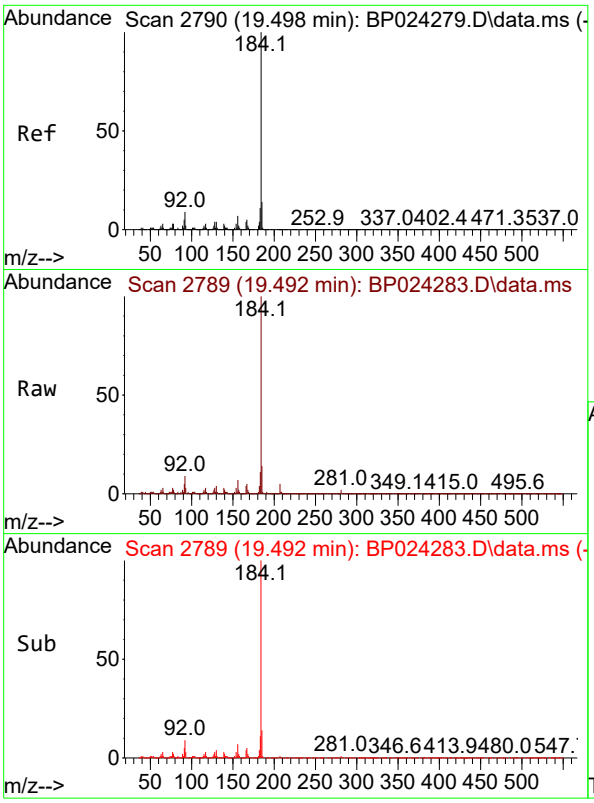


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:240 Resp: 1288125

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.5	20.9	31.3



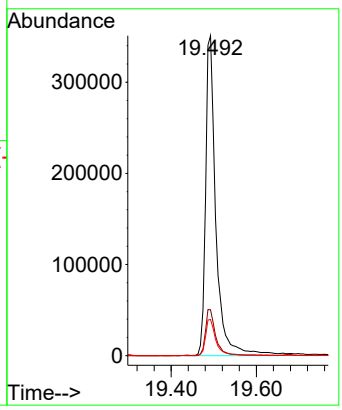


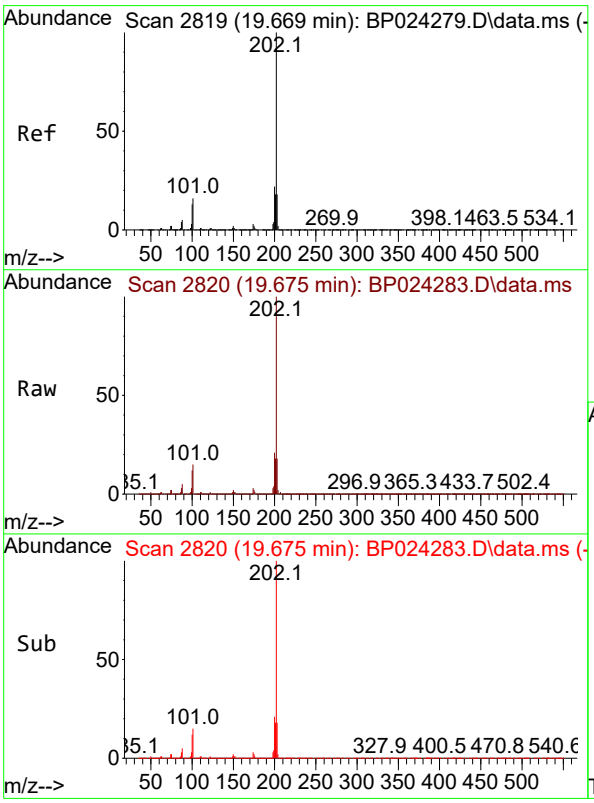
#77
Benzidine
Concen: 36.041 ng
RT: 19.492 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:184 Resp: 588487

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.3	9.2	13.8

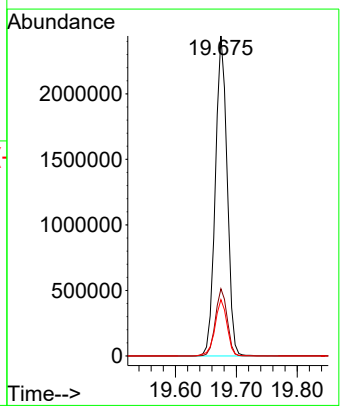


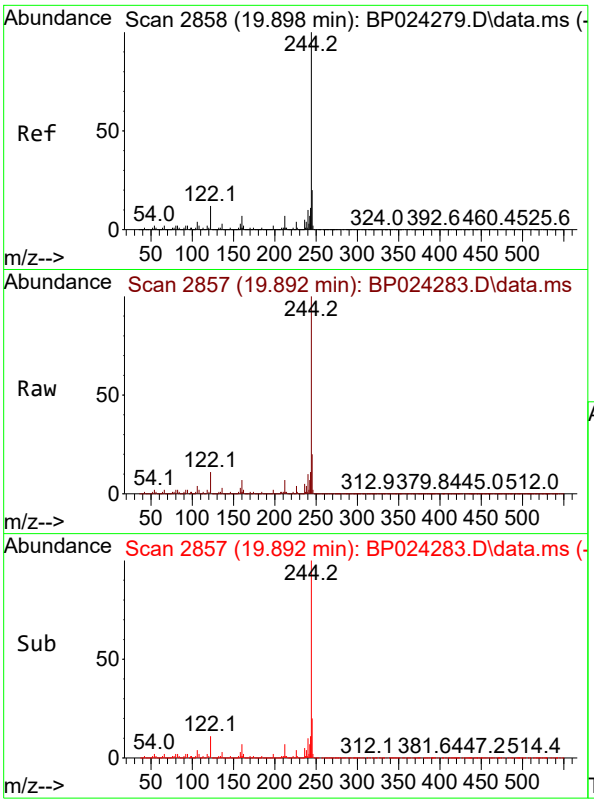


#78
Pyrene
Concen: 40.022 ng
RT: 19.675 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:202 Resp: 3276290

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.6	14.4	21.6



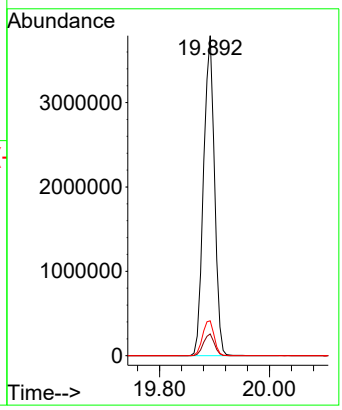


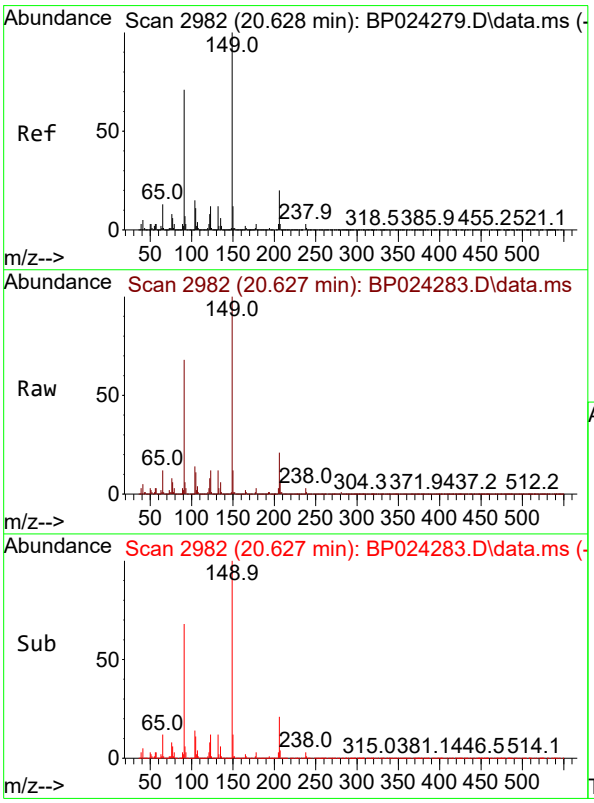
#79
Terphenyl-d14
Concen: 81.649 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:244 Resp: 5217888

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.9	9.4	14.0

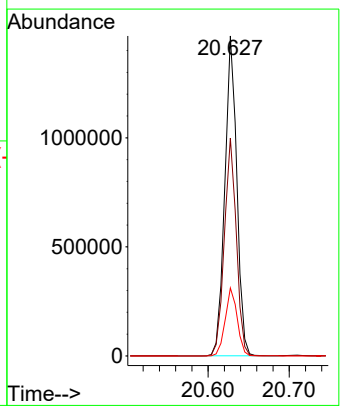


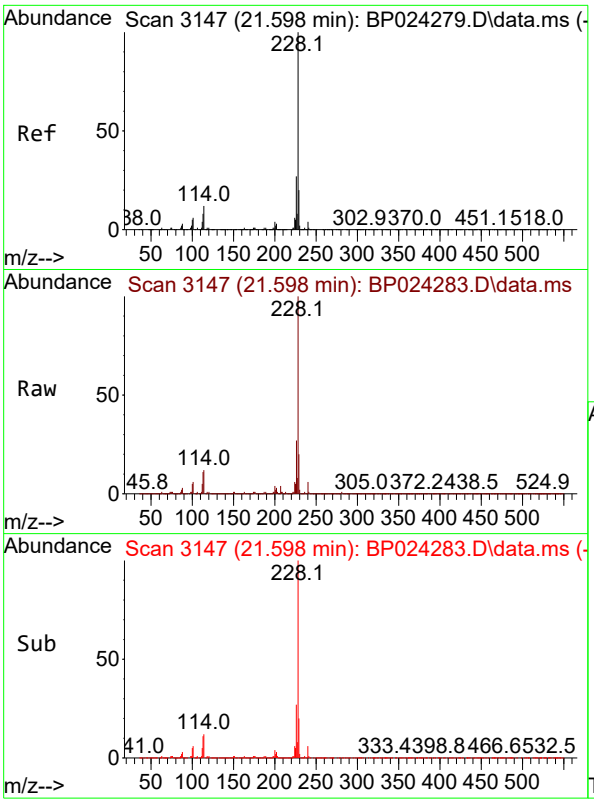


#80
Butylbenzylphthalate
Concen: 43.107 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1511473

Ion	Ratio	Lower	Upper
149	100		
91	68.1	56.4	84.6
206	21.2	16.3	24.5



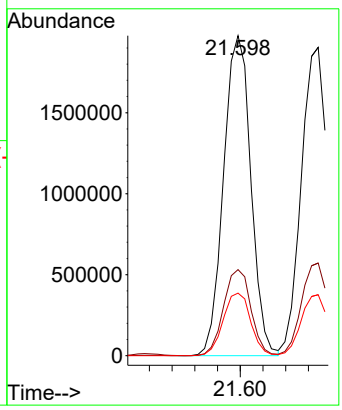


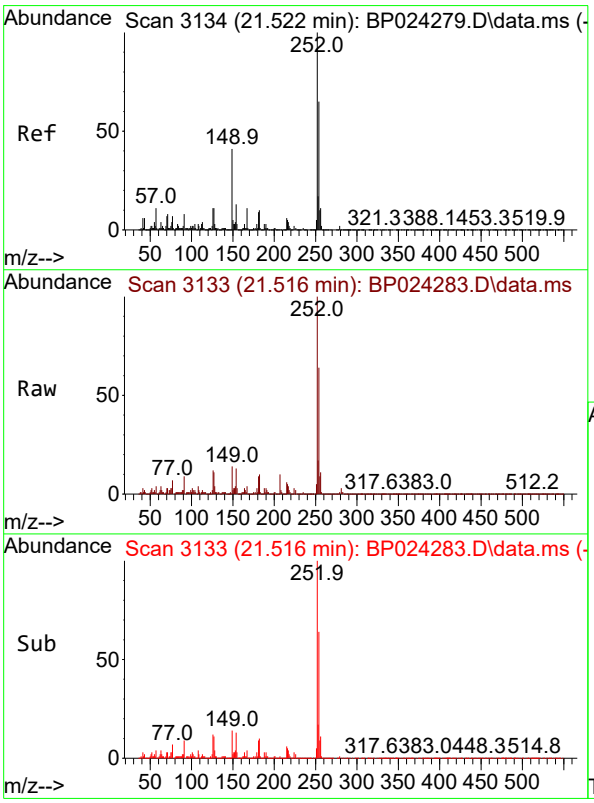
#81
Benzo(a)anthracene
Concen: 41.207 ng
RT: 21.598 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3299250

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.6	15.9	23.9

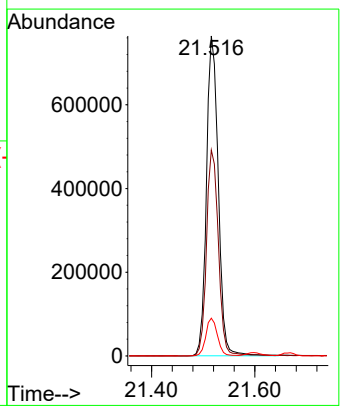


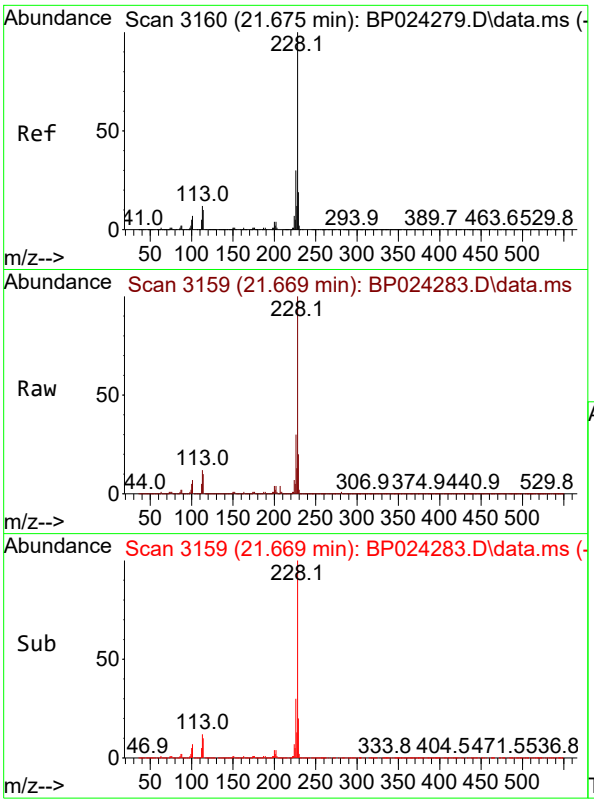


#82
3,3'-Dichlorobenzidine
Concen: 43.139 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 1212290

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.7	77.5
126	11.8	8.8	13.2



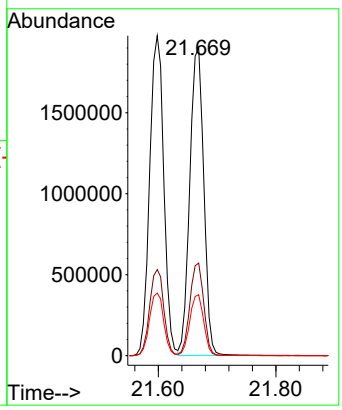


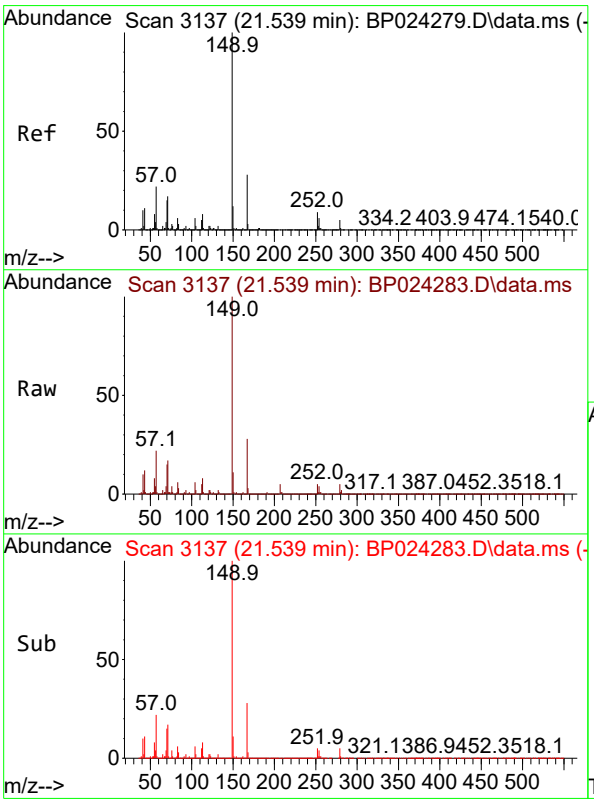
#83
Chrysene
Concen: 40.888 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3136332

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4

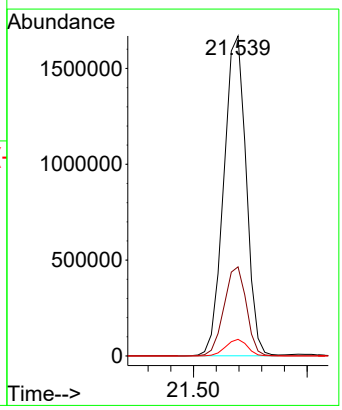


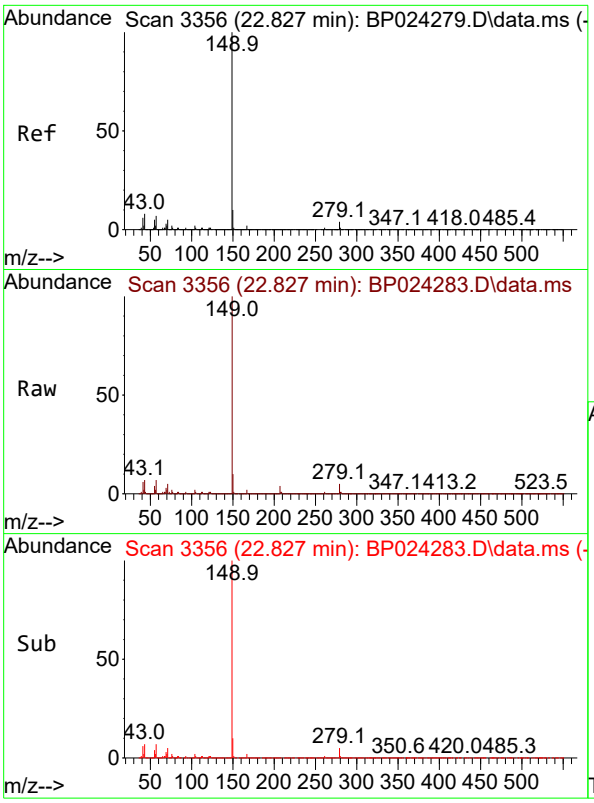


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.400 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 2282222

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.2	4.0	6.0



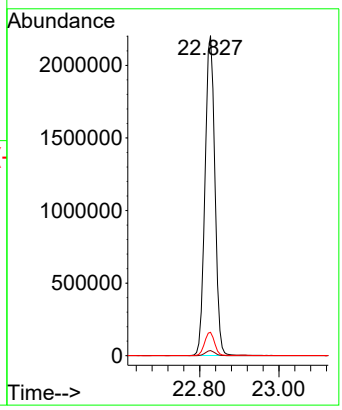


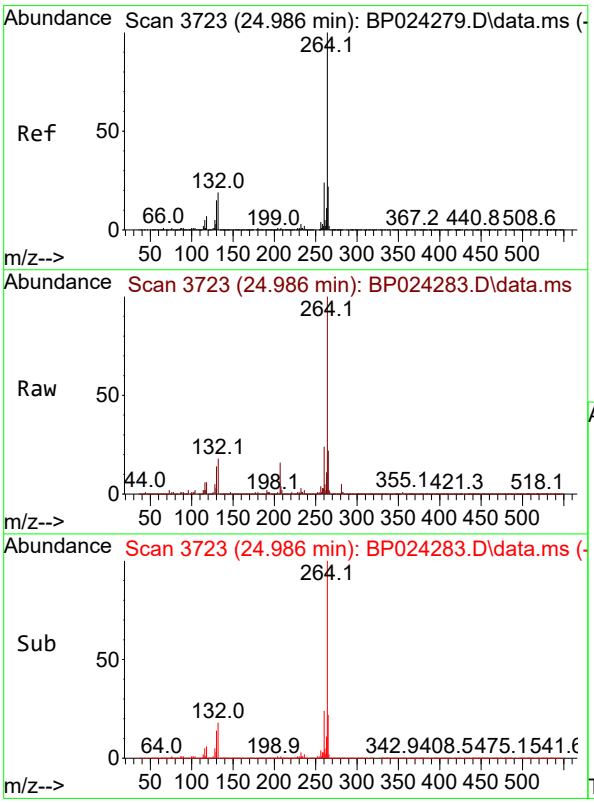
#85
Di-n-octyl phthalate
Concen: 45.513 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:149 Resp: 3803266

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.0	9.0

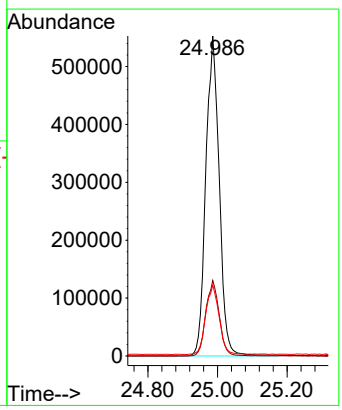


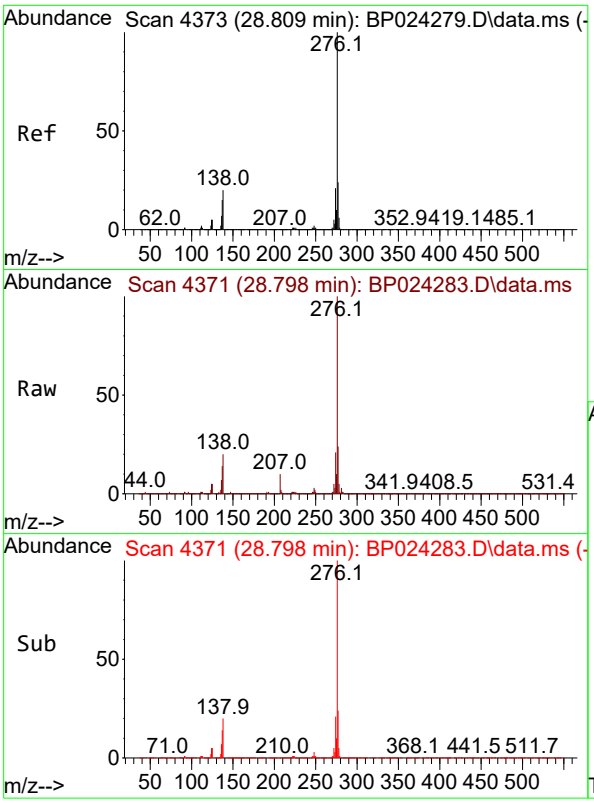


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:264 Resp: 1476872

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.1	17.8	26.6



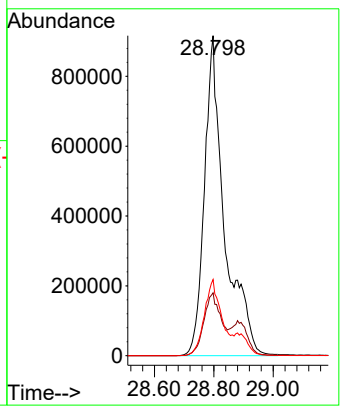


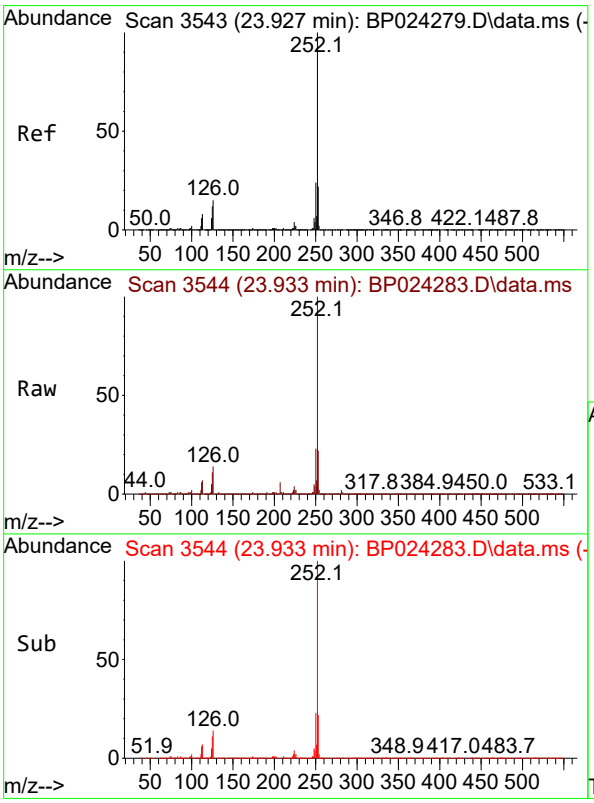
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.071 ng m
RT: 28.798 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:276 Resp: 4313548

Ion	Ratio	Lower	Upper
276	100		
138	16.8	14.5	21.7
277	20.9	20.2	30.2

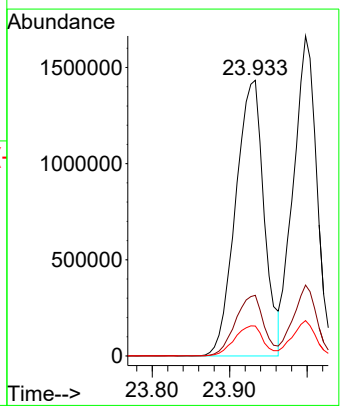


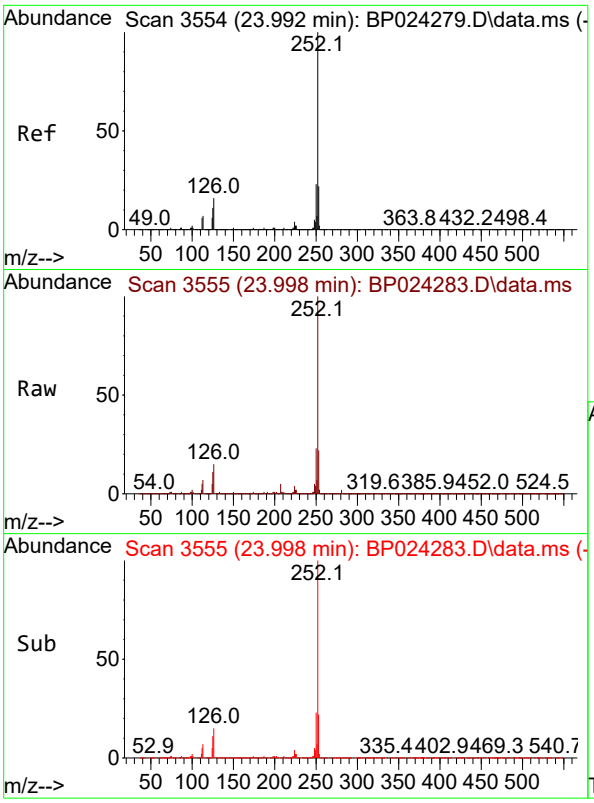


#88
Benzo(b)fluoranthene
Concen: 41.288 ng
RT: 23.933 min Scan# 3544
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3654984

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.8	9.4	14.0



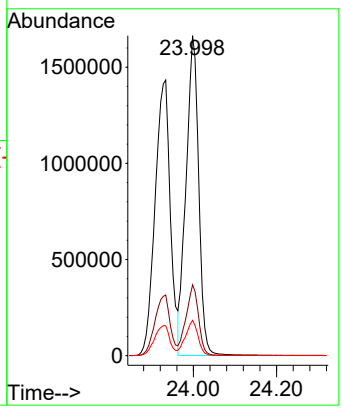


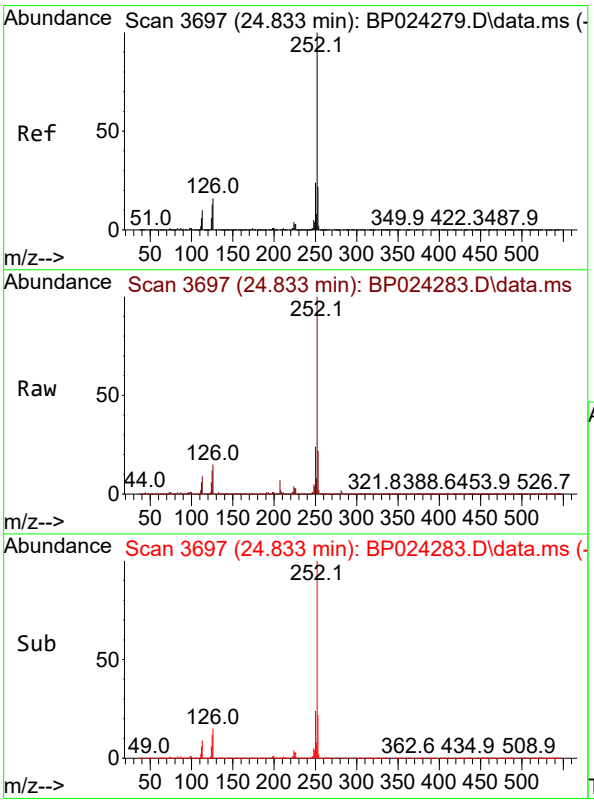
#89
Benzo(k)fluoranthene
Concen: 41.081 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:252 Resp: 3512834

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7

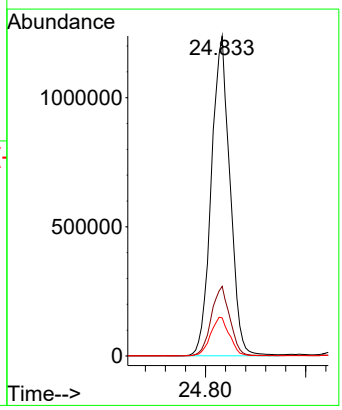


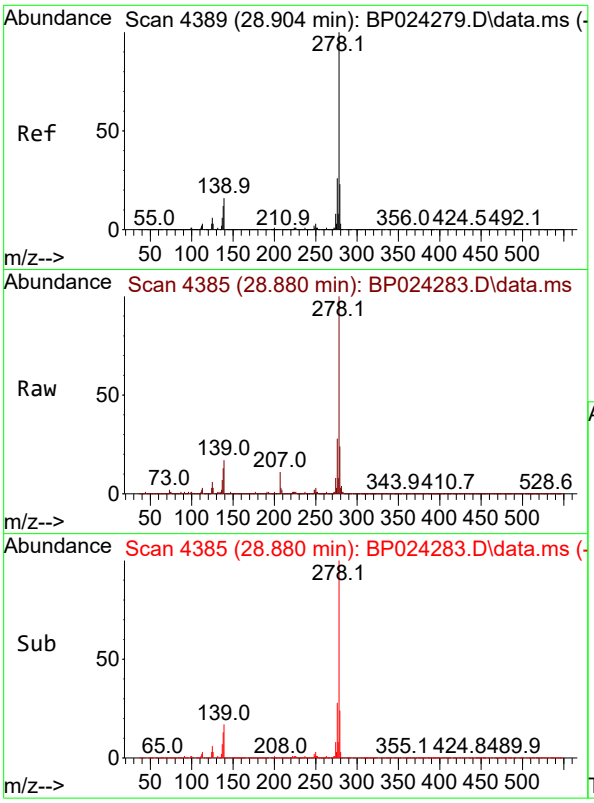


#90
Benzo(a)pyrene
Concen: 41.855 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3196130

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	11.9	10.1	15.1



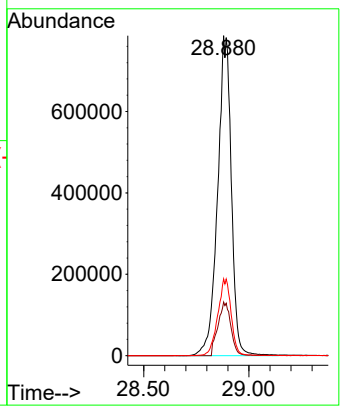


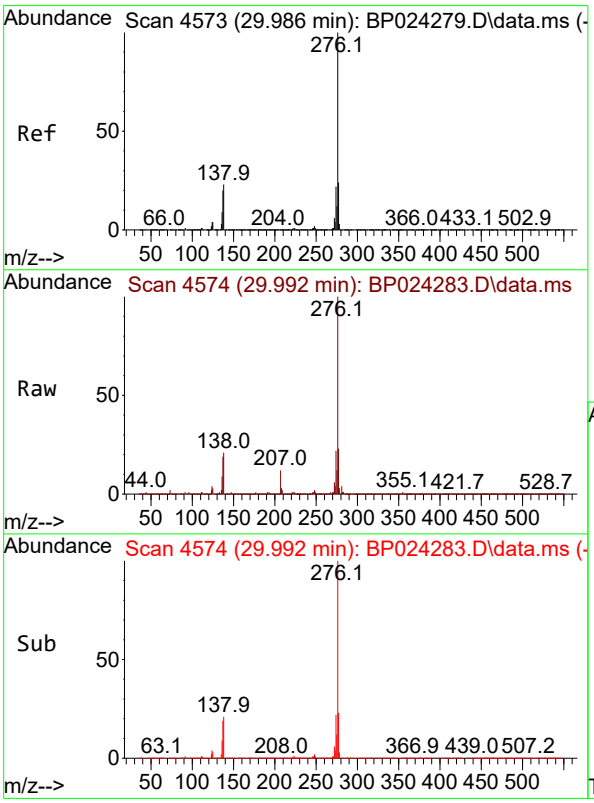
#91
Dibenzo(a,h)anthracene
Concen: 41.902 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:278 Resp: 3566000

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	24.0	18.5	27.7

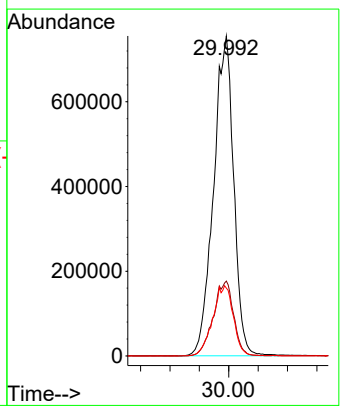




#92
Benzo(g,h,i)perylene
Concen: 41.455 ng
RT: 29.992 min Scan# 4574
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:276 Resp: 3590938

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	21.2	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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	94	0.00
2		1,4-Dioxane	0.512	0.517	-1.0	95	0.00
3		Pyridine	1.351	1.349	0.1	91	0.00
4		n-Nitrosodimethylamine	0.448	0.451	-0.7	93	0.00
5	S	2-Fluorophenol	1.210	1.229	-1.6	92	0.00
6		Aniline	1.480	1.531	-3.4	91	0.00
7	S	Phenol-d6	1.656	1.678	-1.3	91	0.00
8		2-Chlorophenol	1.350	1.362	-0.9	92	0.00
9		Benzaldehyde	0.819	0.861	-5.1	97	0.00
10	C	Phenol	1.661	1.674	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	1.339	1.335	0.3	90	0.00
12		1,3-Dichlorobenzene	1.454	1.465	-0.8	93	0.00
13	C	1,4-Dichlorobenzene	1.475	1.494	-1.3	94	0.00
14		1,2-Dichlorobenzene	1.424	1.421	0.2	93	0.00
15		Benzyl Alcohol	1.071	1.115	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.453	-0.4	90	0.00
17		2-Methylphenol	1.075	1.103	-2.6	91	0.00
18		Hexachloroethane	0.533	0.540	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	1.037	-1.2	90	0.00
20		3+4-Methylphenols	1.491	1.522	-2.1	90	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22		Acetophenone	0.495	0.515	-4.0	91	0.00
23	S	Nitrobenzene-d5	0.351	0.366	-4.3	91	0.00
24		Nitrobenzene	0.347	0.360	-3.7	90	0.00
25		Isophorone	0.635	0.661	-4.1	90	0.00
26	C	2-Nitrophenol	0.170	0.184	-8.2	92	0.00
27		2,4-Dimethylphenol	0.213	0.222	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.444	-3.5	90	0.00
29	C	2,4-Dichlorophenol	0.291	0.309	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	0.311	0.324	-4.2	92	0.00
31		Naphthalene	1.054	1.090	-3.4	92	0.00
32		Benzoic acid	0.248	0.254	-2.4	96	-0.04
33		4-Chloroaniline	0.371	0.398	-7.3	92	0.00
34	C	Hexachlorobutadiene	0.183	0.192	-4.9	93	0.00
35		Caprolactam	0.107	0.113	-5.6	92	-0.02
36	C	4-Chloro-3-methylphenol	0.339	0.353	-4.1	90	0.00
37		2-Methylnaphthalene	0.731	0.756	-3.4	92	0.00
38		1-Methylnaphthalene	0.715	0.736	-2.9	92	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.581	-5.6	92	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.212	-8.7	89	-0.01
42	S	2,4,6-Tribromophenol	0.277	0.296	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	0.366	0.396	-8.2	93	0.00
44		2,4,5-Trichlorophenol	0.405	0.434	-7.2	93	0.00
45	S	2-Fluorobiphenyl	1.306	1.383	-5.9	92	0.00
46		1,1'-Biphenyl	1.470	1.529	-4.0	91	-0.01
47		2-Chloronaphthalene	1.099	1.148	-4.5	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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	0.308	0.327	-6.2	90	-0.01
49		Acenaphthylene	1.730	1.807	-4.5	91	0.00
50		Dimethylphthalate	1.454	1.508	-3.7	92	-0.02
51		2,6-Dinitrotoluene	0.309	0.332	-7.4	93	0.00
52	C	Acenaphthene	1.097	1.120	-2.1	91	-0.01
53		3-Nitroaniline	0.325	0.357	-9.8	92	0.00
54	P	2,4-Dinitrophenol	0.182	0.193	-6.0	95	-0.01
55		Dibenzofuran	1.793	1.823	-1.7	91	-0.02
56	P	4-Nitrophenol	0.280	0.315	-12.5	94	-0.01
57		2,4-Dinitrotoluene	0.421	0.458	-8.8	93	-0.01
58		Fluorene	1.388	1.448	-4.3	95	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.392	-5.1	92	0.00
60		Diethylphthalate	1.499	1.558	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.704	-4.5	94	-0.02
62		4-Nitroaniline	0.344	0.370	-7.6	92	-0.02
63		Azobenzene	1.378	1.436	-4.2	92	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	0.126	0.135	-7.1	95	-0.02
66	c	n-Nitrosodiphenylamine	0.597	0.619	-3.7	91	-0.01
67		4-Bromophenyl-phenylether	0.219	0.231	-5.5	93	-0.01
68		Hexachlorobenzene	0.260	0.272	-4.6	93	-0.02
69		Atrazine	0.152	0.120	21.1	92	0.00
70	C	Pentachlorophenol	0.181	0.194	-7.2	92	-0.02
71		Phenanthrene	1.091	1.108	-1.6	91	-0.02
72		Anthracene	1.052	1.105	-5.0	92	-0.02
73		Carbazole	1.027	1.088	-5.9	93	-0.02
74		Di-n-butylphthalate	1.280	1.425	-11.3	94	-0.02
75	C	Fluoranthene	1.298	1.355	-4.4	93	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77		Benzidine	0.254	0.228	10.2	50#	-0.02
78		Pyrene	1.271	1.272	-0.1	93	-0.01
79	S	Terphenyl-d14	0.992	1.013	-2.1	94	-0.03
80		Butylbenzylphthalate	0.544	0.587	-7.9	94	-0.02
81		Benzo(a)anthracene	1.243	1.281	-3.1	95	0.00
82		3,3'-Dichlorobenzidine	0.436	0.471	-8.0	92	-0.02
83		Chrysene	1.191	1.217	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	0.798	0.886	-11.0	95	0.00
85	c	Di-n-octyl phthalate	1.297	1.476	-13.8	96	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.388	1.460	-5.2	101	-0.02
88		Benzo(b)fluoranthene	1.199	1.237	-3.2	98	0.00
89		Benzo(k)fluoranthene	1.158	1.189	-2.7	98	0.00
90	C	Benzo(a)pyrene	1.034	1.082	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	1.152	1.207	-4.8	100	0.00
92		Benzo(g,h,i)perylene	1.173	1.216	-3.7	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
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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	94	0.00
2		1,4-Dioxane	40.000	40.412	-1.0	95	0.00
3		Pyridine	40.000	39.955	0.1	91	0.00
4		n-Nitrosodimethylamine	40.000	40.205	-0.5	93	0.00
5	S	2-Fluorophenol	80.000	81.302	-1.6	92	0.00
6		Aniline	40.000	41.370	-3.4	91	0.00
7	S	Phenol-d6	80.000	81.063	-1.3	91	0.00
8		2-Chlorophenol	40.000	40.334	-0.8	92	0.00
9		Benzaldehyde	40.000	42.024	-5.1	97	0.00
10	C	Phenol	40.000	40.306	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	40.000	39.902	0.2	90	0.00
12		1,3-Dichlorobenzene	40.000	40.298	-0.7	93	0.00
13	C	1,4-Dichlorobenzene	40.000	40.516	-1.3	94	0.00
14		1,2-Dichlorobenzene	40.000	39.898	0.3	93	0.00
15		Benzyl Alcohol	40.000	41.621	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.173	-0.4	90	0.00
17		2-Methylphenol	40.000	41.046	-2.6	91	0.00
18		Hexachloroethane	40.000	40.522	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.471	-1.2	90	0.00
20		3+4-Methylphenols	40.000	40.810	-2.0	90	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	91	0.00
22		Acetophenone	40.000	41.652	-4.1	91	0.00
23	S	Nitrobenzene-d5	80.000	83.531	-4.4	91	0.00
24		Nitrobenzene	40.000	41.537	-3.8	90	0.00
25		Isophorone	40.000	41.648	-4.1	90	0.00
26	C	2-Nitrophenol	40.000	43.376	-8.4	92	0.00
27		2,4-Dimethylphenol	40.000	41.689	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.402	-3.5	90	0.00
29	C	2,4-Dichlorophenol	40.000	42.461	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.612	-4.0	92	0.00
31		Naphthalene	40.000	41.386	-3.5	92	0.00
32		Benzoic acid	40.000	40.959	-2.4	96	-0.04
33		4-Chloroaniline	40.000	42.937	-7.3	92	0.00
34	C	Hexachlorobutadiene	40.000	42.007	-5.0	93	0.00
35		Caprolactam	40.000	42.152	-5.4	92	-0.02
36	C	4-Chloro-3-methylphenol	40.000	41.737	-4.3	90	0.00
37		2-Methylnaphthalene	40.000	41.403	-3.5	92	0.00
38		1-Methylnaphthalene	40.000	41.210	-3.0	92	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.275	-5.7	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.639	-9.1	89	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.488	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	40.000	43.329	-8.3	93	0.00
44		2,4,5-Trichlorophenol	40.000	42.828	-7.1	93	0.00
45	S	2-Fluorobiphenyl	80.000	84.715	-5.9	92	0.00
46		1,1'-Biphenyl	40.000	41.595	-4.0	91	-0.01
47		2-Chloronaphthalene	40.000	41.786	-4.5	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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	42.475	-6.2	90	-0.01
49		Acenaphthylene	40.000	41.783	-4.5	91	0.00
50		Dimethylphthalate	40.000	41.478	-3.7	92	-0.02
51		2,6-Dinitrotoluene	40.000	42.990	-7.5	93	0.00
52	C	Acenaphthene	40.000	40.853	-2.1	91	-0.01
53		3-Nitroaniline	40.000	43.931	-9.8	92	0.00
54	P	2,4-Dinitrophenol	40.000	42.485	-6.2	95	-0.01
55		Dibenzofuran	40.000	40.679	-1.7	91	-0.02
56	P	4-Nitrophenol	40.000	44.968	-12.4	94	-0.01
57		2,4-Dinitrotoluene	40.000	43.527	-8.8	93	-0.01
58		Fluorene	40.000	41.750	-4.4	95	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.995	-5.0	92	0.00
60		Diethylphthalate	40.000	41.570	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.777	-4.4	94	-0.02
62		4-Nitroaniline	40.000	43.114	-7.8	92	-0.02
63		Azobenzene	40.000	41.686	-4.2	92	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	42.724	-6.8	95	-0.02
66	c	n-Nitrosodiphenylamine	40.000	41.500	-3.8	91	-0.01
67		4-Bromophenyl-phenylether	40.000	42.314	-5.8	93	-0.01
68		Hexachlorobenzene	40.000	41.909	-4.8	93	-0.02
69		Atrazine	40.000	31.567	21.1	92	0.00
70	C	Pentachlorophenol	40.000	42.900	-7.2	92	-0.02
71		Phenanthrene	40.000	40.615	-1.5	91	-0.02
72		Anthracene	40.000	42.051	-5.1	92	-0.02
73		Carbazole	40.000	42.351	-5.9	93	-0.02
74		Di-n-butylphthalate	40.000	44.539	-11.3	94	-0.02
75	C	Fluoranthene	40.000	41.771	-4.4	93	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77		Benzidine	40.000	36.041	9.9	50	-0.02
78		Pyrene	40.000	40.022	-0.1	93	-0.01
79	S	Terphenyl-d14	80.000	81.649	-2.1	94	-0.03
80		Butylbenzylphthalate	40.000	43.107	-7.8	94	-0.02
81		Benzo(a)anthracene	40.000	41.207	-3.0	95	0.00
82		3,3'-Dichlorobenzidine	40.000	43.139	-7.8	92	-0.02
83		Chrysene	40.000	40.888	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	44.400	-11.0	95	0.00
85	c	Di-n-octyl phthalate	40.000	45.513	-13.8	96	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.071	-5.2	101	-0.02
88		Benzo(b)fluoranthene	40.000	41.288	-3.2	98	0.00
89		Benzo(k)fluoranthene	40.000	41.081	-2.7	98	0.00
90	C	Benzo(a)pyrene	40.000	41.855	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	40.000	41.902	-4.8	100	0.00
92		Benzo(g,h,i)perylene	40.000	41.455	-3.6	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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

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: JACO05

Lab Code: CHEM Case No.: Q1812 SAS No.: Q1812 SDG No.: Q1812

Instrument ID: BNA_P Calibration Date/Time: 04/17/2025 10:30

Lab File ID: BP024320.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.207		-0.2	
Benzaldehyde	0.819	0.990		20.9	
Phenol-d6	1.656	1.673		1.0	
Phenol	1.661	1.671		0.6	20.0
bis(2-Chloroethyl)ether	1.339	1.310		-2.2	
2-Chlorophenol	1.350	1.334		-1.2	
2-Methylphenol	1.075	1.109		3.2	
2,2-oxybis(1-Chloropropane)	1.447	1.450		0.2	
Acetophenone	0.495	0.486		-1.8	
3+4-Methylphenols	1.491	1.554		4.2	
n-Nitroso-di-n-propylamine	1.025	1.075	0.050	4.8	
Nitrobenzene-d5	0.351	0.352		0.3	
Hexachloroethane	0.533	0.525		-1.5	
Nitrobenzene	0.347	0.345		-0.6	
Isophorone	0.635	0.650		2.4	
2-Nitrophenol	0.170	0.182		7.1	20.0
2,4-Dimethylphenol	0.213	0.216		1.4	
bis(2-Chloroethoxy)methane	0.429	0.423		-1.4	
2,4-Dichlorophenol	0.291	0.297		2.1	20.0
Naphthalene	1.054	1.021		-3.1	
4-Chloroaniline	0.371	0.384		3.5	
Hexachlorobutadiene	0.183	0.182		-0.5	20.0
Caprolactam	0.107	0.112		4.7	
4-Chloro-3-methylphenol	0.339	0.359		5.9	20.0
2-Methylnaphthalene	0.731	0.732		0.1	
Hexachlorocyclopentadiene	0.195	0.198	0.050	1.5	
2,4,6-Trichlorophenol	0.366	0.370		1.1	20.0
2-Fluorobiphenyl	1.306	1.257		-3.8	
2,4,5-Trichlorophenol	0.405	0.410		1.2	
1,1-Biphenyl	1.470	1.426		-3.0	
2-Chloronaphthalene	1.099	1.062		-3.4	
2-Nitroaniline	0.308	0.323		4.9	
Dimethylphthalate	1.454	1.428		-1.8	
Acenaphthylene	1.730	1.702		-1.6	
2,6-Dinitrotoluene	0.309	0.315		1.9	
3-Nitroaniline	0.325	0.329		1.2	
Acenaphthene	1.097	1.062		-3.2	20.0
2,4-Dinitrophenol	0.182	0.185	0.050	1.6	
4-Nitrophenol	0.280	0.283	0.050	1.1	

Form VII SV-1

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: JACO05

Lab Code: CHEM Case No.: Q1812 SAS No.: Q1812 SDG No.: Q1812

Instrument ID: BNA_P Calibration Date/Time: 04/17/2025 10:30

Lab File ID: BP024320.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.735		-3.2	
2,4-Dinitrotoluene	0.421	0.436		3.6	
Diethylphthalate	1.499	1.463		-2.4	
4-Chlorophenyl-phenylether	0.674	0.662		-1.8	
Fluorene	1.388	1.357		-2.2	
4-Nitroaniline	0.344	0.346		0.6	
4,6-Dinitro-2-methylphenol	0.126	0.129		2.4	
n-Nitrosodiphenylamine	0.597	0.595		-0.3	20.0
2,4,6-Tribromophenol	0.277	0.282		1.8	
4-Bromophenyl-phenylether	0.219	0.223		1.8	
Hexachlorobenzene	0.260	0.264		1.5	
Atrazine	0.152	0.137		-9.9	
Pentachlorophenol	0.181	0.190		5.0	20.0
Phenanthrene	1.091	1.034		-5.2	
Anthracene	1.052	1.043		-0.9	
Carbazole	1.027	0.995		-3.1	
Di-n-butylphthalate	1.280	1.282		0.2	
Fluoranthene	1.298	1.230		-5.2	20.0
Pyrene	1.271	1.389		9.3	
Terphenyl-d14	0.992	1.068		7.7	
Butylbenzylphthalate	0.544	0.577		6.1	
3,3-Dichlorobenzidine	0.436	0.416		-4.6	
Benzo(a)anthracene	1.243	1.222		-1.7	
Chrysene	1.191	1.150		-3.4	
Bis(2-ethylhexyl)phthalate	0.798	0.738		-7.5	
Di-n-octyl phthalate	1.297	1.105		-14.8	20.0
Benzo(b)fluoranthene	1.199	1.261		5.1	
Benzo(k)fluoranthene	1.158	1.184		2.2	
Benzo(a)pyrene	1.034	1.050		1.5	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.298		-6.5	
Dibenzo(a,h)anthracene	1.152	1.077		-6.5	
Benzo(g,h,i)perylene	1.173	1.101		-6.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.532		-3.3	
1,4-Dioxane	0.512	0.500		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.370		-0.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	303712	20.000	ng		0.00
21) Naphthalene-d8	10.498	136	1329212	20.000	ng		0.00
39) Acenaphthene-d10	14.357	164	880817	20.000	ng		-0.01
64) Phenanthrene-d10	17.157	188	1702907	20.000	ng		-0.02
76) Chrysene-d12	21.609	240	1526868	20.000	ng		-0.01
86) Perylene-d12	24.962	264	1367817	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.346	112	1466695	79.849	ng		0.00
7) Phenol-d6	6.910	99	2032619	80.815	ng		0.00
23) Nitrobenzene-d5	8.881	82	1870047	80.222	ng		0.00
42) 2,4,6-Tribromophenol	15.863	330	992087	81.408	ng		-0.03
45) 2-Fluorobiphenyl	12.963	172	4428408	76.978	ng		-0.02
79) Terphenyl-d14	19.886	244	6524137	86.126	ng		-0.04
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	303991	39.127	ng		99
3) Pyridine	3.687	79	791089	38.560	ng		98
4) n-Nitrosodimethylamine	3.599	42	284506	41.785	ng		96
6) Aniline	7.069	93	907946	40.398	ng		100
8) 2-Chlorophenol	7.304	128	810577	39.525	ng		100
9) Benzaldehyde	6.881	77	601302	48.331	ng		100
10) Phenol	6.940	94	1015048	40.231	ng		97
11) bis(2-Chloroethyl)ether	7.157	93	795521	39.133	ng		98
12) 1,3-Dichlorobenzene	7.616	146	850441	38.519	ng		99
13) 1,4-Dichlorobenzene	7.763	146	862720	38.512	ng		99
14) 1,2-Dichlorobenzene	8.075	146	833788	38.546	ng		99
15) Benzyl Alcohol	7.969	79	701843	43.149	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.245	45	880547	40.074	ng		100
17) 2-Methylphenol	8.169	107	673516	41.265	ng		99
18) Hexachloroethane	8.792	117	318658	39.362	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	652676	41.945	ng		99
20) 3+4-Methylphenols	8.492	107	943931	41.680	ng		99
22) Acetophenone	8.540	105	1292092	39.275	ng	#	99
24) Nitrobenzene	8.916	77	918025	39.810	ng		100
25) Isophorone	9.439	82	1728751	40.971	ng		99
26) 2-Nitrophenol	9.616	139	483249	42.822	ng		96
27) 2,4-Dimethylphenol	9.681	122	575359	40.604	ng		99
28) bis(2-Chloroethoxy)met...	9.910	93	1125374	39.481	ng		100
29) 2,4-Dichlorophenol	10.151	162	788851	40.829	ng		100
30) 1,2,4-Trichlorobenzene	10.363	180	814281	39.336	ng		98
31) Naphthalene	10.551	128	2715473	38.783	ng		100
32) Benzoic acid	9.851	122	722510m	43.759	ng		
33) 4-Chloroaniline	10.657	127	1019842	41.360	ng		100
34) Hexachlorobutadiene	10.834	225	483655	39.760	ng		99
35) Caprolactam	11.457	113	297249	41.696	ng		95
36) 4-Chloro-3-methylphenol	11.786	107	955140	42.443	ng		99
37) 2-Methylnaphthalene	12.157	142	1945831	40.072	ng		98
38) 1-Methylnaphthalene	12.381	142	1914271	40.297	ng		99
40) 1,2,4,5-Tetrachloroben...	12.528	216	936432	38.659	ng		99
41) Hexachlorocyclopentadiene	12.510	237	348783	40.713	ng		98
43) 2,4,6-Trichlorophenol	12.775	196	652347	40.507	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.845	196	721605	40.463	ng	98
46) 1,1'-Biphenyl	13.175	154	2512917	38.813	ng	100
47) 2-Chloronaphthalene	13.216	162	1870725	38.660	ng	98
48) 2-Nitroaniline	13.422	65	569206	41.935	ng	99
49) Acenaphthylene	14.069	152	2998391	39.357	ng	100
50) Dimethylphthalate	13.810	163	2515357	39.269	ng	100
51) 2,6-Dinitrotoluene	13.922	165	554348	40.755	ng	98
52) Acenaphthene	14.422	154	1871183	38.741	ng	99
53) 3-Nitroaniline	14.257	138	580355	40.596	ng	99
54) 2,4-Dinitrophenol	14.469	184	325391	40.612	ng	96
55) Dibenzofuran	14.757	168	3055721	38.705	ng	99
56) 4-Nitrophenol	14.580	139	498923	40.410	ng	97
57) 2,4-Dinitrotoluene	14.722	165	767312	41.354	ng	97
58) Fluorene	15.416	166	2389776	39.102	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.986	232	651223	39.593	ng	99
60) Diethylphthalate	15.192	149	2577316	39.045	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	1166968	39.321	ng	100
62) 4-Nitroaniline	15.445	138	610318	40.328	ng	99
63) Azobenzene	15.704	77	2422645	39.931	ng	96
65) 4,6-Dinitro-2-methylph...	15.504	198	441005	41.077	ng	96
66) n-Nitrosodiphenylamine	15.633	169	2025366	39.848	ng	99
67) 4-Bromophenyl-phenylether	16.327	248	758251	40.713	ng	99
68) Hexachlorobenzene	16.445	284	898806	40.613	ng	97
69) Atrazine	16.604	200	466589	36.043	ng	100
70) Pentachlorophenol	16.798	266	646424	41.869	ng	100
71) Phenanthrene	17.198	178	3522148	37.914	ng	99
72) Anthracene	17.286	178	3552441	39.677	ng	99
73) Carbazole	17.574	167	3390104	38.752	ng	100
74) Di-n-butylphthalate	18.163	149	4367243	40.070	ng	100
75) Fluoranthene	19.286	202	4188310	37.908	ng	100
77) Benzidine	19.486	184	857502	44.305	ng	99
78) Pyrene	19.668	202	4242468	43.721	ng	99
80) Butylbenzylphthalate	20.621	149	1762704	42.411	ng	98
81) Benzo(a)anthracene	21.586	228	3731230	39.316	ng	100
82) 3,3'-Dichlorobenzidine	21.509	252	1269468	38.110	ng	99
83) Chrysene	21.656	228	3510804	38.613	ng	100
84) Bis(2-ethylhexyl)phtha...	21.521	149	2254612	37.004	ng	100
85) Di-n-octyl phthalate	22.809	149	3374503	34.068	ng	100
87) Indeno(1,2,3-cd)pyrene	28.756	276	3550630	37.391	ng	99
88) Benzo(b)fluoranthene	23.898	252	3448271	42.058	ng	99
89) Benzo(k)fluoranthene	23.968	252	3240345	40.916	ng	100
90) Benzo(a)pyrene	24.803	252	2873369	40.629	ng	99
91) Dibenzo(a,h)anthracene	28.833	278	2945227	37.367	ng	98
92) Benzo(g,h,i)perylene	29.933	276	3011818	37.541	ng	98

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

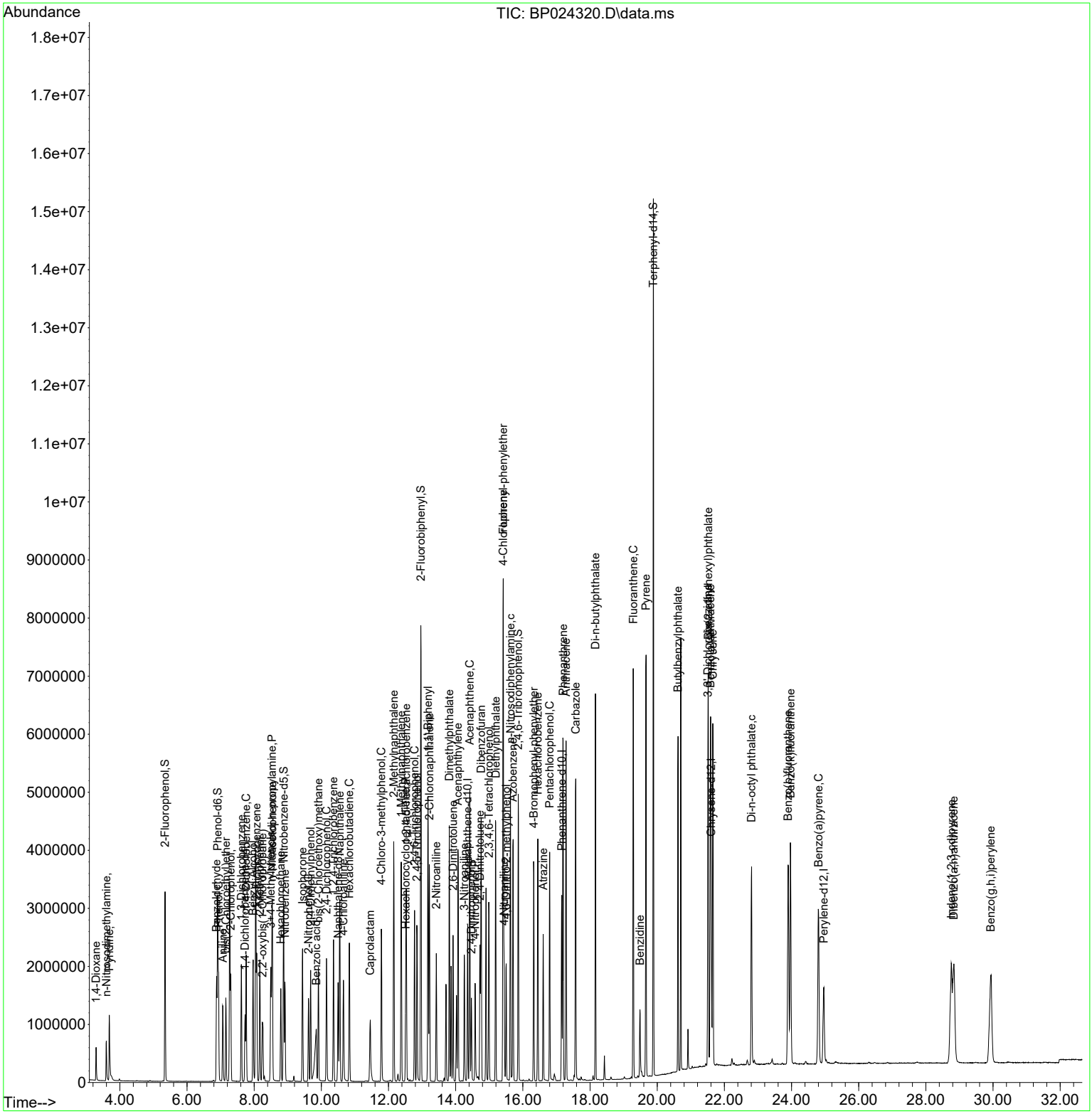
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Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

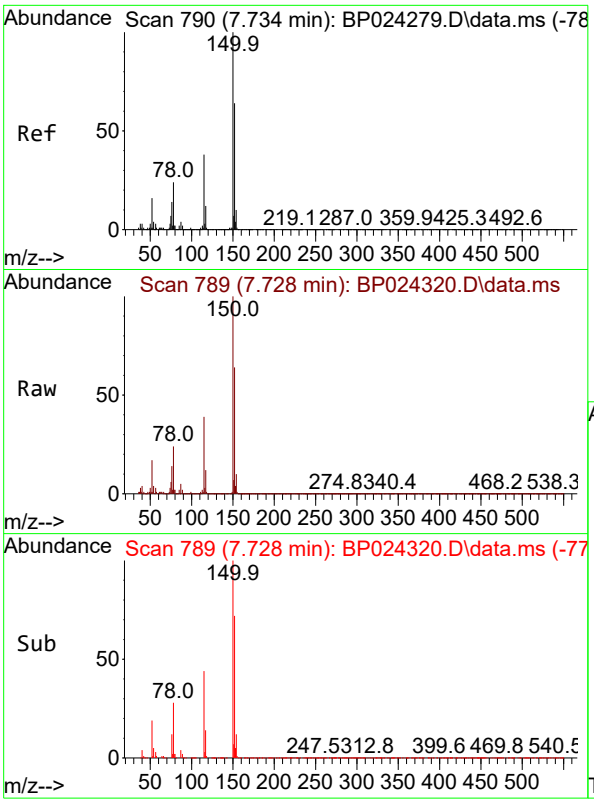
Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

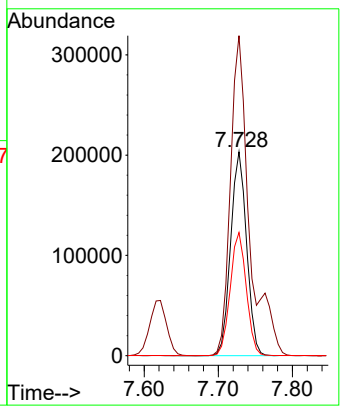




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

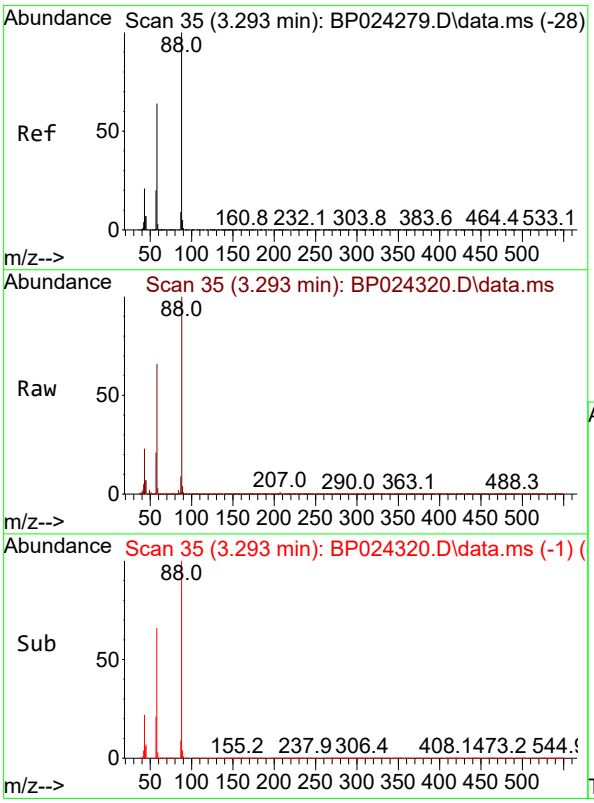
Tgt Ion:152 Resp: 30371

Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.9	187.3
115	60.5	47.7	71.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

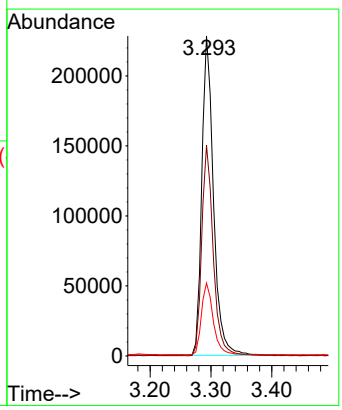
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

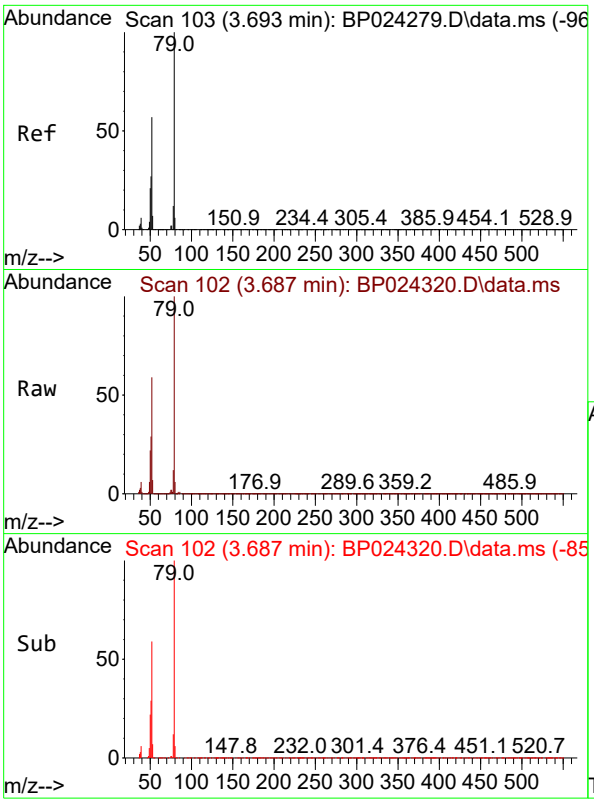


#2
1,4-Dioxane
Concen: 39.127 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 88 Resp: 303991

Ion	Ratio	Lower	Upper
88	100		
58	65.0	51.4	77.2
43	22.7	17.1	25.7

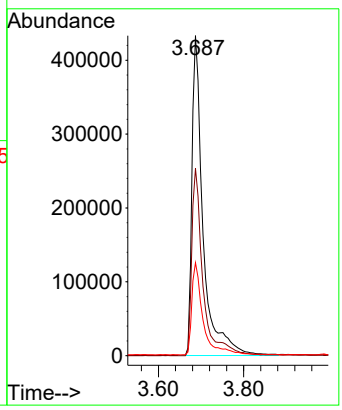




#3
Pyridine
Concen: 38.560 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 79 Resp: 79108

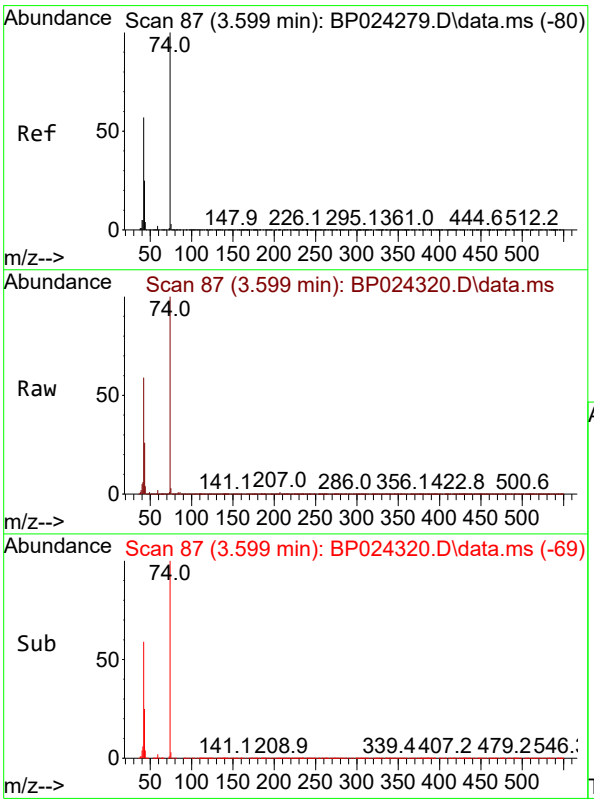
Ion	Ratio	Lower	Upper
79	100		
52	58.5	45.4	68.2
51	29.1	22.6	33.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

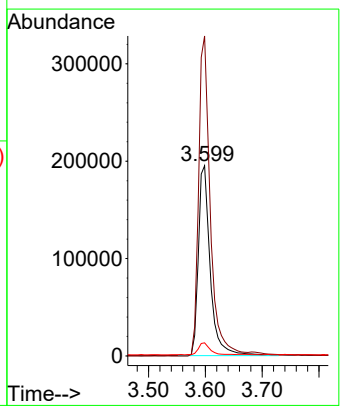
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

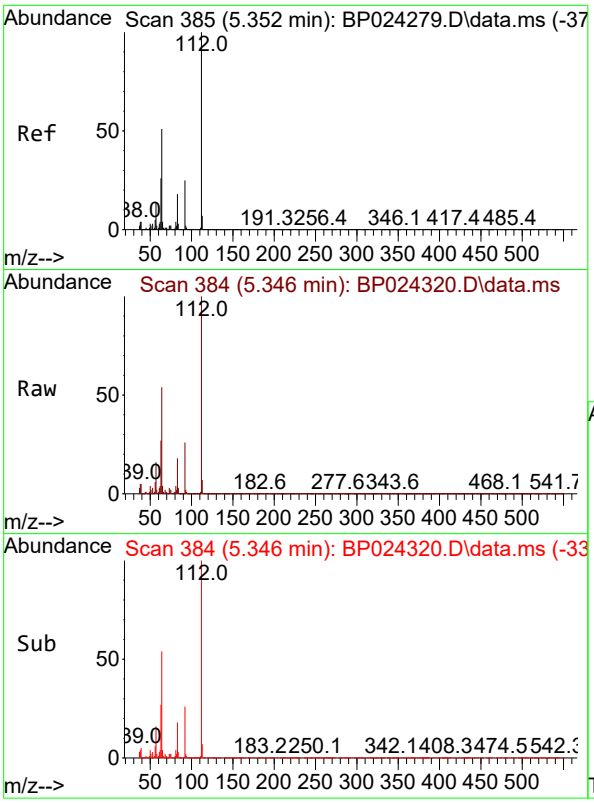


#4
n-Nitrosodimethylamine
Concen: 41.785 ng
RT: 3.599 min Scan# 87
Delta R.T. 0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 42 Resp: 284506

Ion	Ratio	Lower	Upper
42	100		
74	168.2	139.5	209.3
44	6.9	5.8	8.8

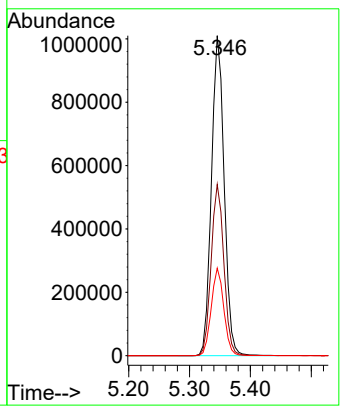




#5
2-Fluorophenol
Concen: 79.849 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:112 Resp: 146669

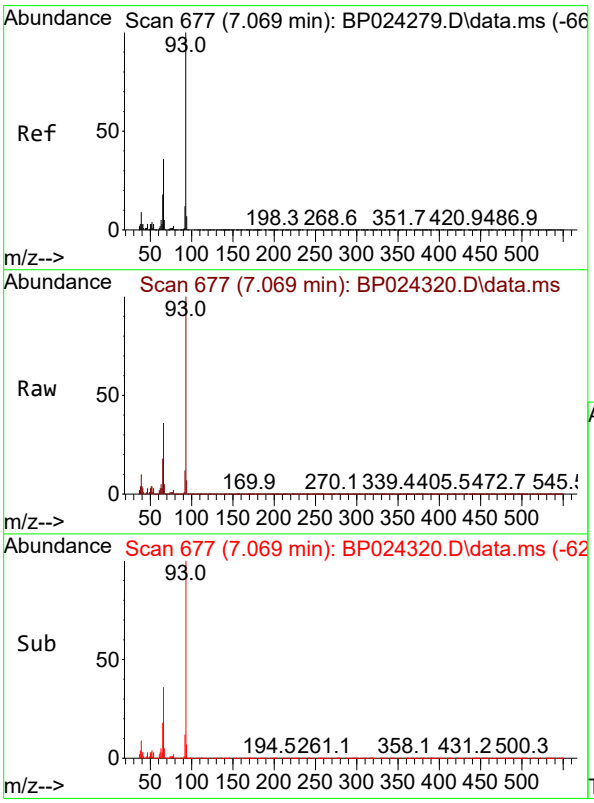
Ion	Ratio	Lower	Upper
112	100		
64	53.5	41.1	61.7
63	27.4	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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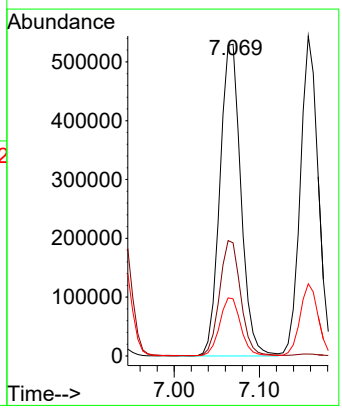
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

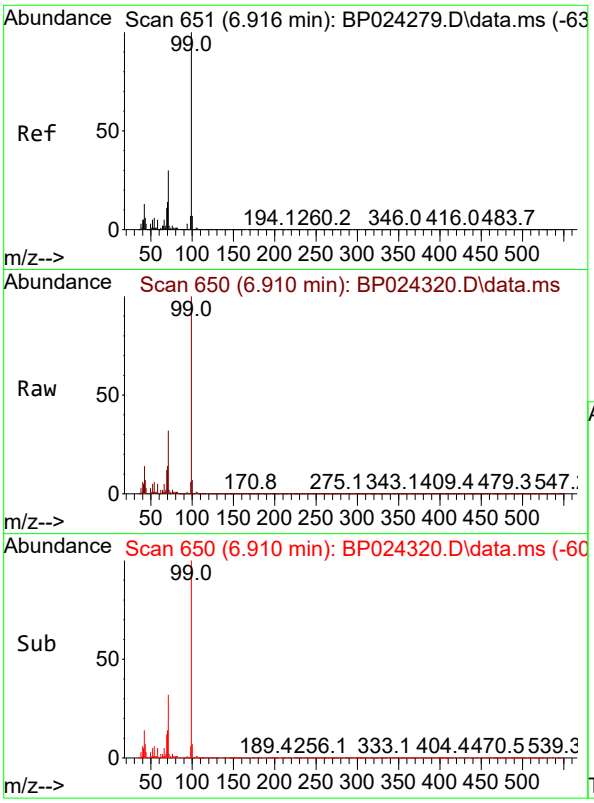


#6
Aniline
Concen: 40.398 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 93 Resp: 907946

Ion	Ratio	Lower	Upper
93	100		
66	36.3	29.1	43.7
65	18.3	14.7	22.1

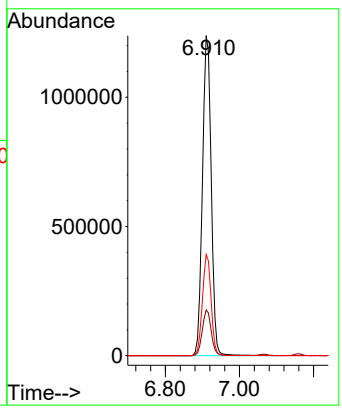




#7
Phenol-d6
Concen: 80.815 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 99 Resp: 203261

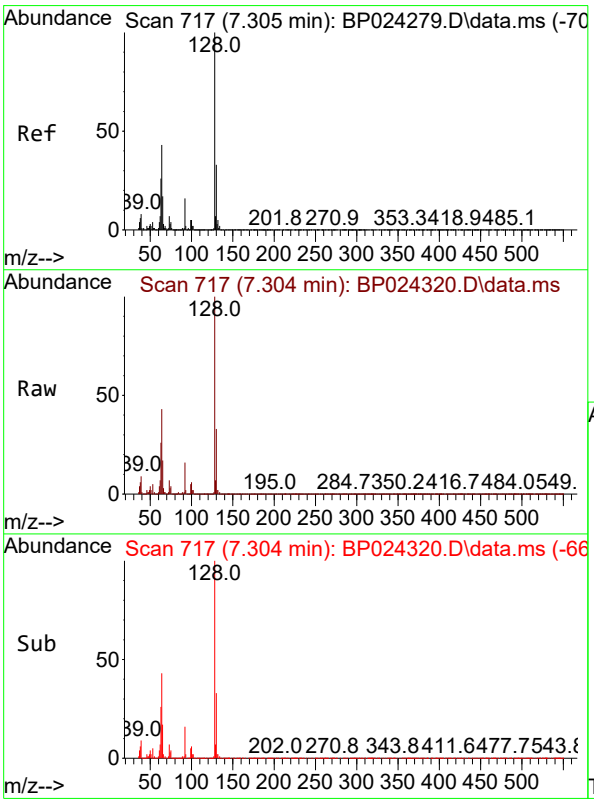
Ion	Ratio	Lower	Upper
99	100		
42	14.3	10.6	16.0
71	31.6	23.7	35.5



Instrument :
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ClientSampleId :
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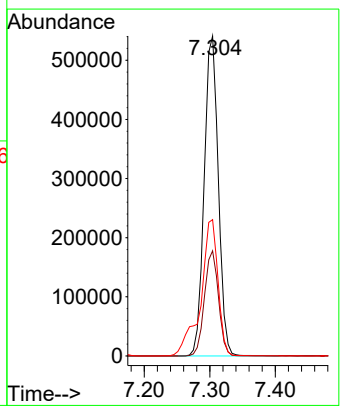
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

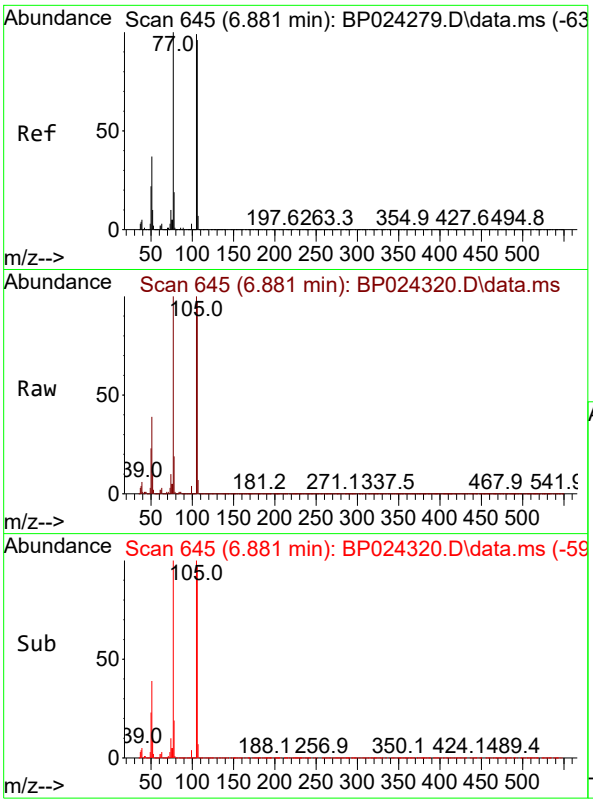


#8
2-Chlorophenol
Concen: 39.525 ng
RT: 7.304 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:128 Resp: 810577

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	42.6	22.7	62.7

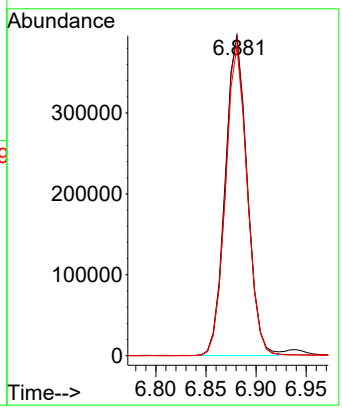




#9
Benzaldehyde
Concen: 48.331 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 77 Resp: 60130

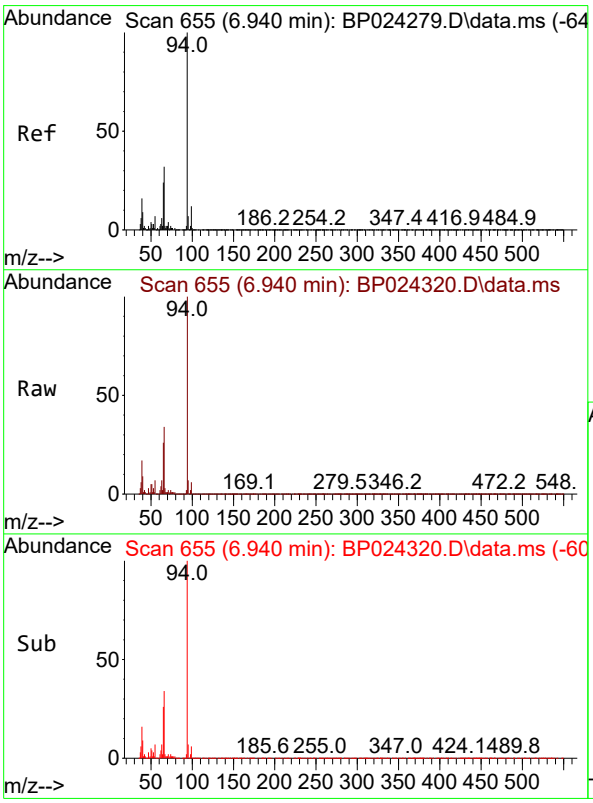
Ion	Ratio	Lower	Upper
77	100		
105	99.8	79.2	119.2
106	96.5	76.2	116.2



Instrument :
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ClientSampleId :
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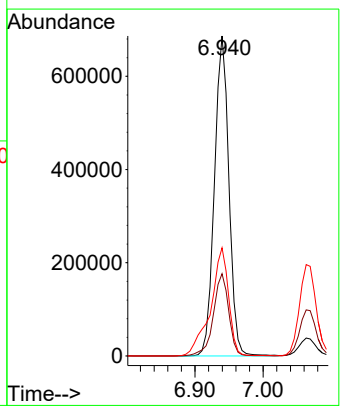
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

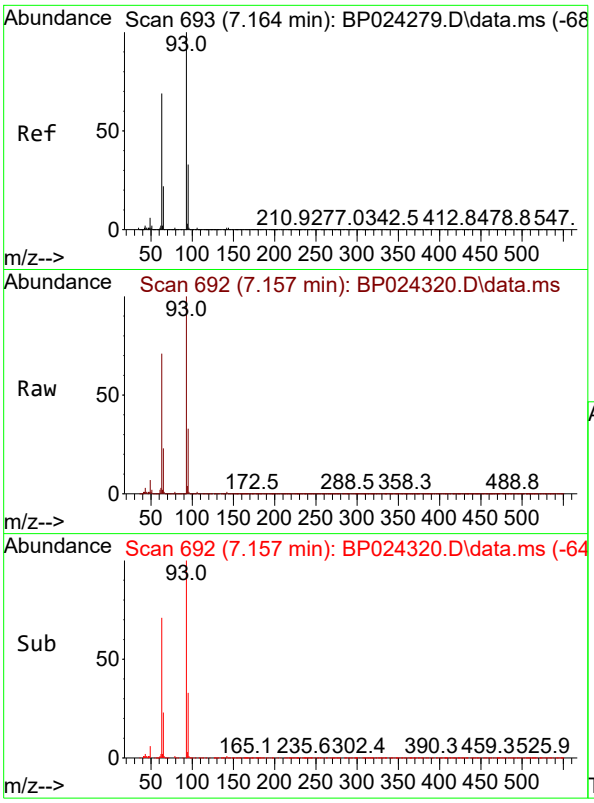


#10
Phenol
Concen: 40.231 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 94 Resp: 1015048

Ion	Ratio	Lower	Upper
94	100		
65	25.7	4.5	44.5
66	33.8	12.4	52.4

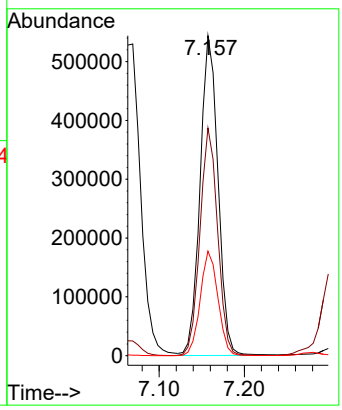




#11
bis(2-Chloroethyl)ether
Concen: 39.133 ng
RT: 7.157 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 93 Resp: 79552

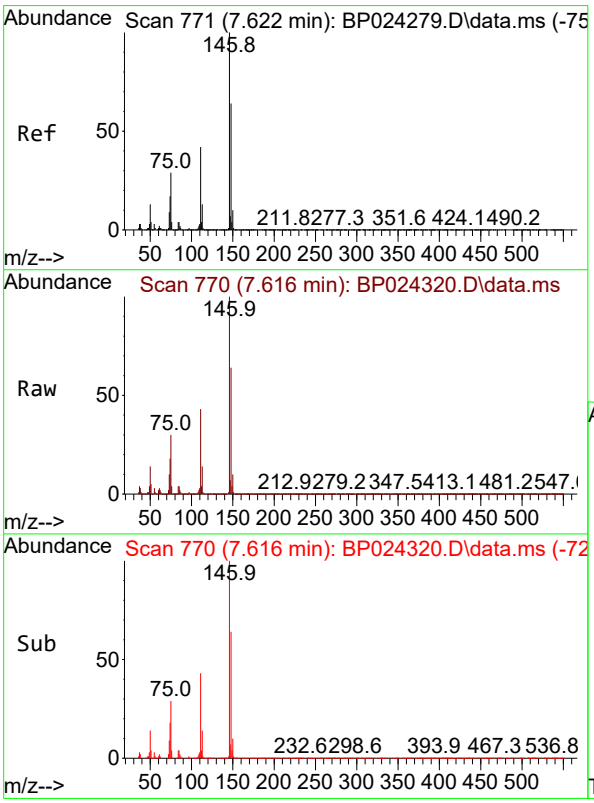
Ion	Ratio	Lower	Upper
93	100		
63	71.2	48.6	88.6
95	32.6	12.3	52.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

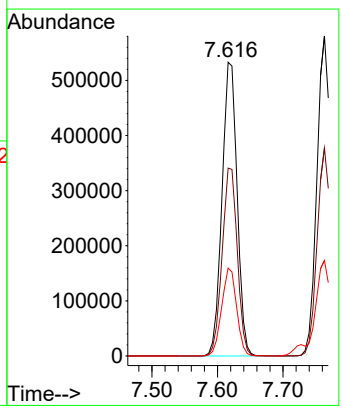
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

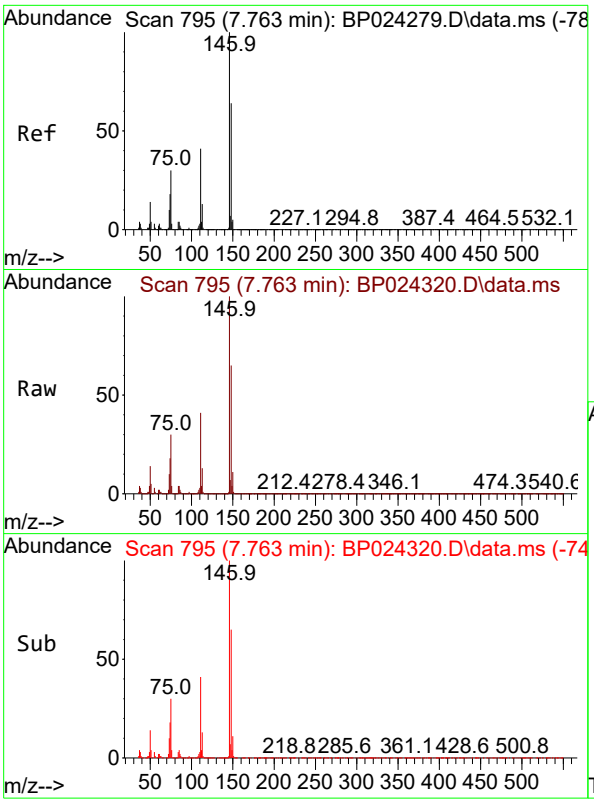


#12
1,3-Dichlorobenzene
Concen: 38.519 ng
RT: 7.616 min Scan# 770
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:146 Resp: 850441

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	29.9	22.9	34.3

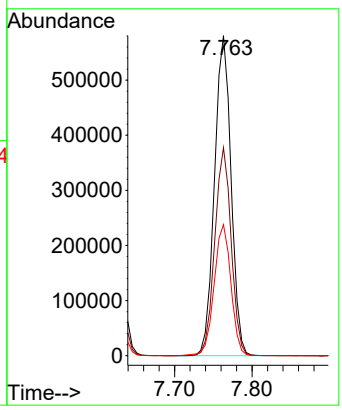




#13
1,4-Dichlorobenzene
Concen: 38.512 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:146 Resp: 86272

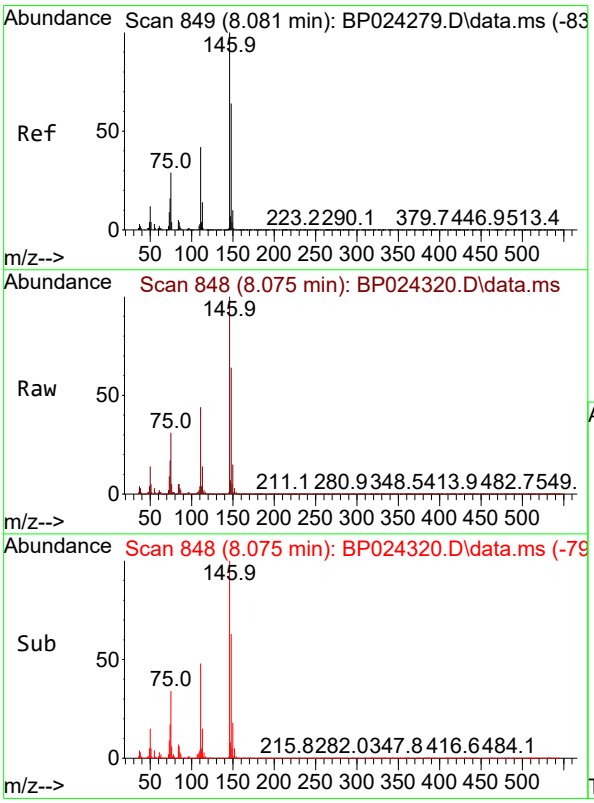
Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.1	76.7
111	41.0	32.6	48.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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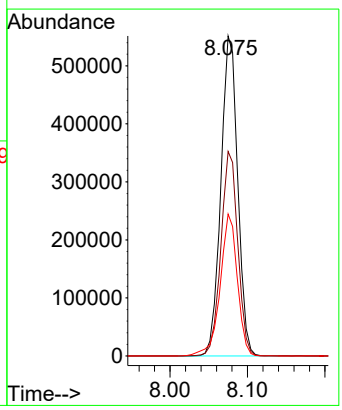
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Supervised By :Jagrut Upadhyay 04/18/2025

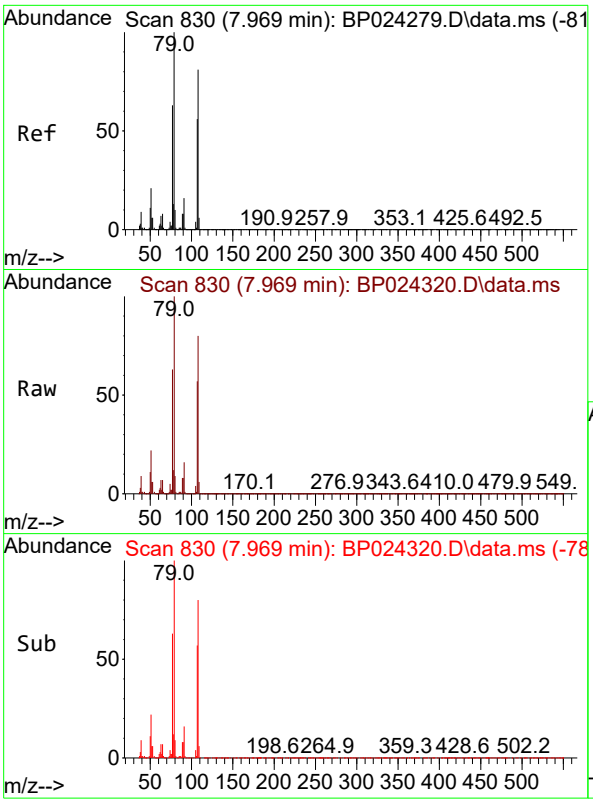


#14
1,2-Dichlorobenzene
Concen: 38.546 ng
RT: 8.075 min Scan# 848
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:146 Resp: 833788

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
111	44.3	33.8	50.8





#15
Benzyl Alcohol
Concen: 43.149 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

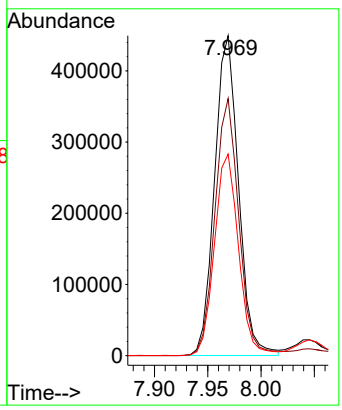
Tgt Ion: 79 Resp: 70184

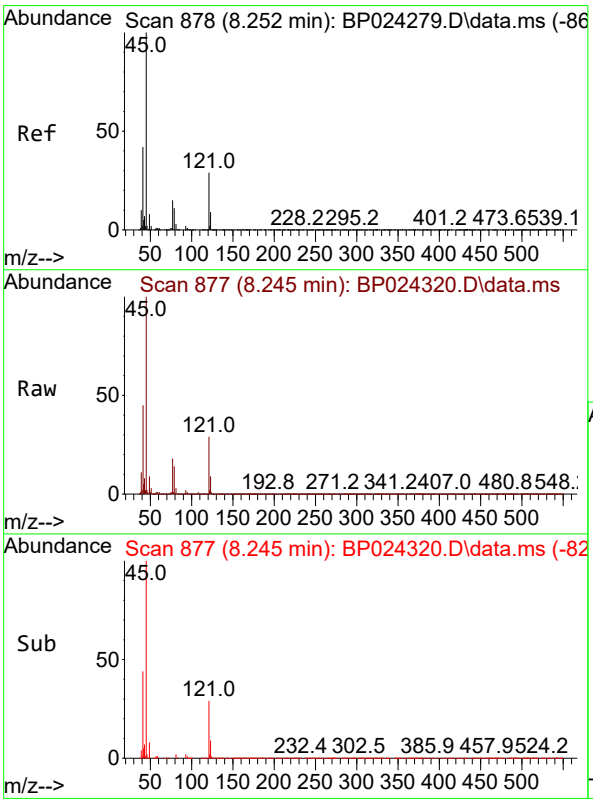
Ion	Ratio	Lower	Upper
79	100		
108	80.4	65.1	97.7
77	63.0	50.7	76.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Supervised By :Jagrut Upadhyay 04/18/2025

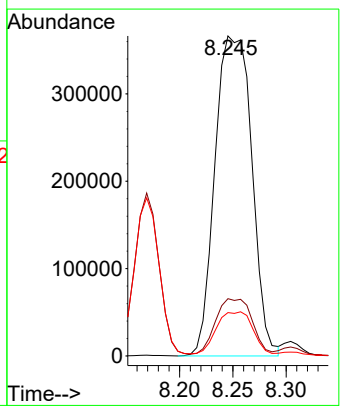


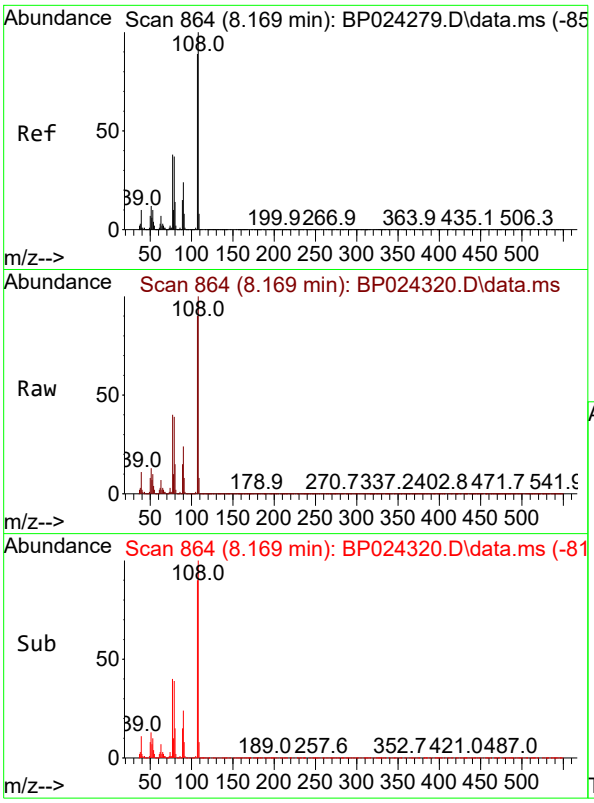


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.074 ng
RT: 8.245 min Scan# 877
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 45 Resp: 880547

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	13.6	0.0	33.5

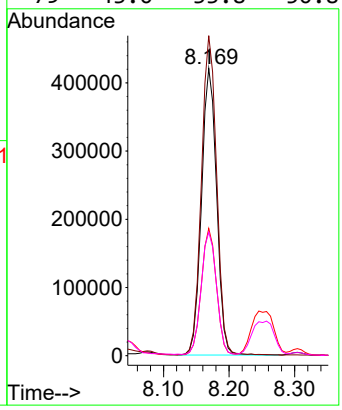




#17
2-Methylphenol
Concen: 41.265 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

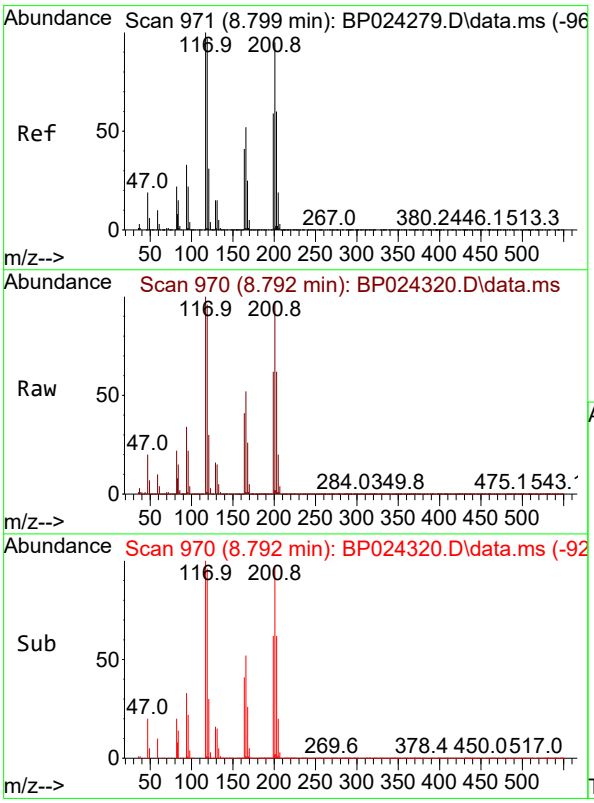
Tgt Ion:107 Resp: 67351

Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.8	134.6
77	44.3	34.2	51.4
79	43.0	33.8	50.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

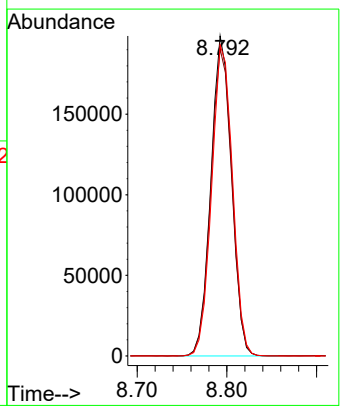
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

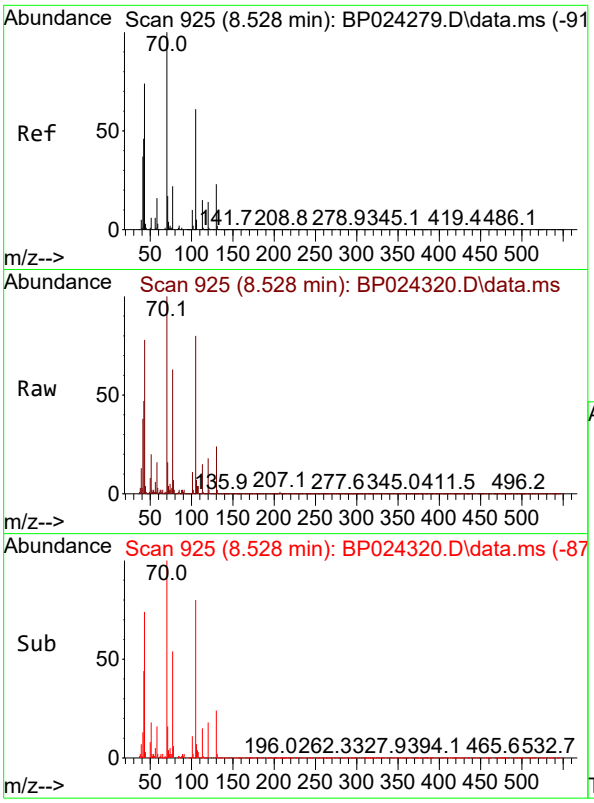


#18
Hexachloroethane
Concen: 39.362 ng
RT: 8.792 min Scan# 970
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:117 Resp: 318658

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.6
201	97.2	75.9	113.9

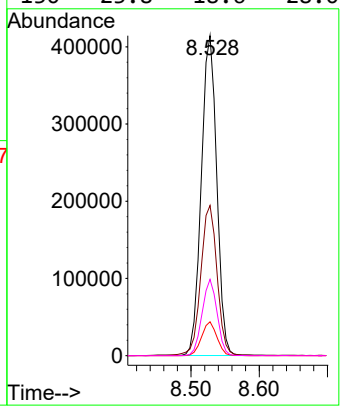




#19
n-Nitroso-di-n-propylamine
Concen: 41.945 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

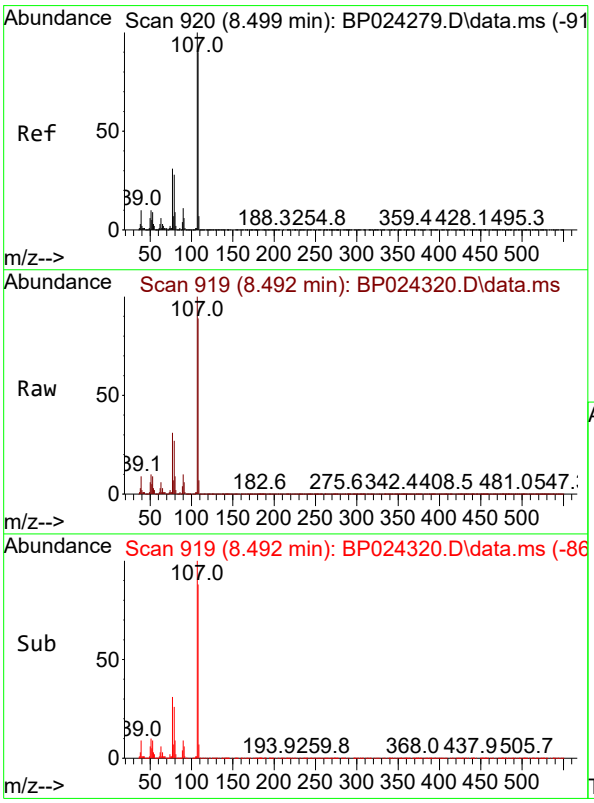
Tgt Ion: 70 Resp: 65267

Ion	Ratio	Lower	Upper
70	100		
42	46.9	37.3	55.9
101	10.6	8.2	12.4
130	23.8	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

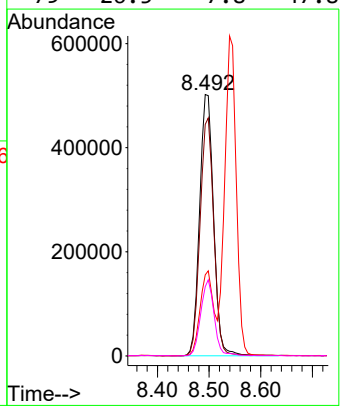
Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

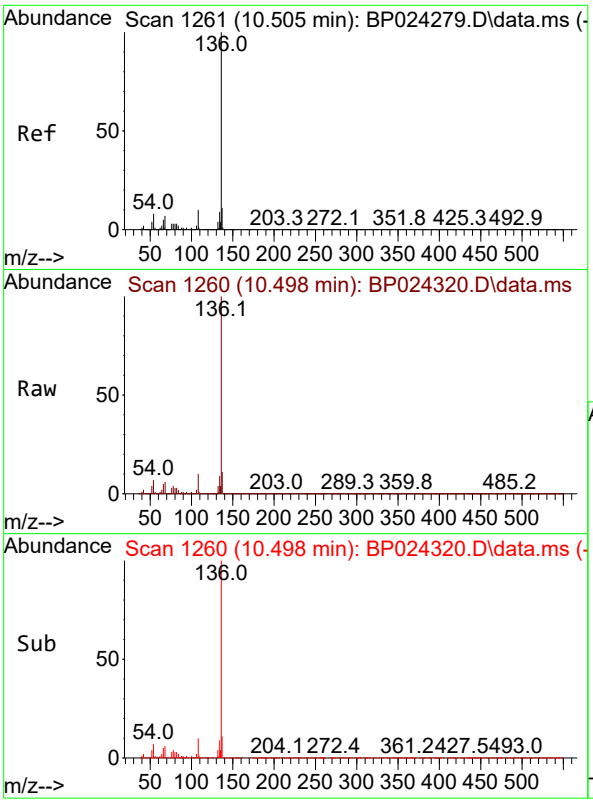


#20
3+4-Methylphenols
Concen: 41.680 ng
RT: 8.492 min Scan# 919
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:107 Resp: 943931

Ion	Ratio	Lower	Upper
107	100		
108	88.6	69.8	109.8
77	31.0	11.5	51.5
79	26.5	7.8	47.8

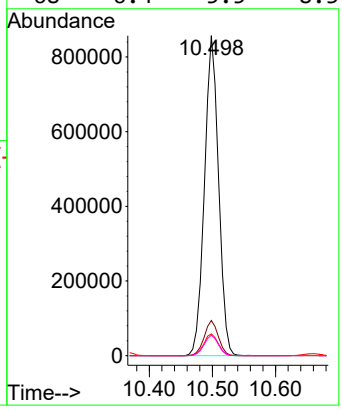




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:136 Resp: 132921

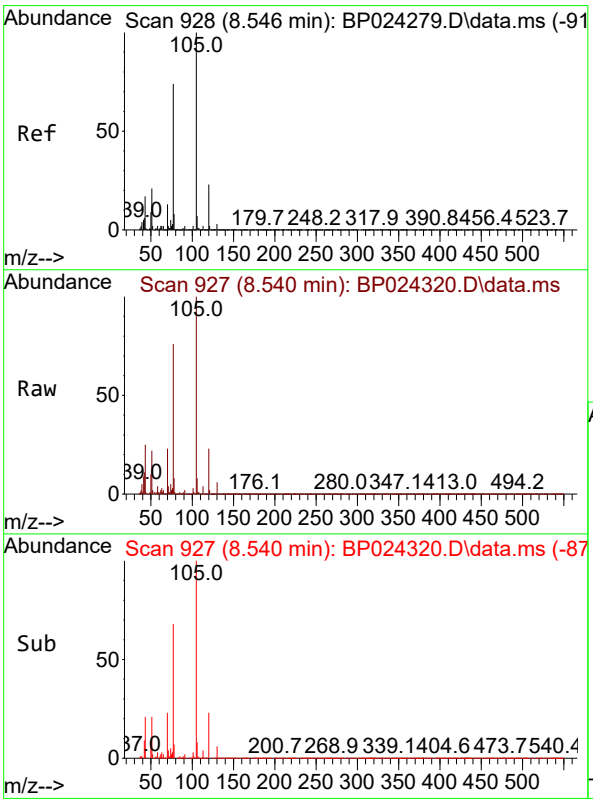
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.8	6.0	9.0
68	6.4	5.5	8.3



Instrument :
BNA_P
ClientSampleId :
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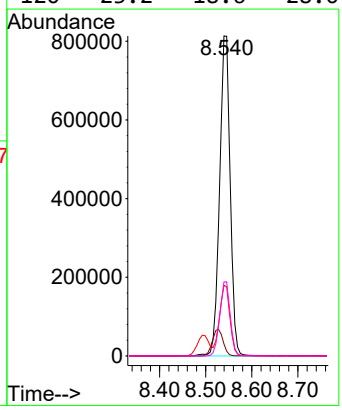
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

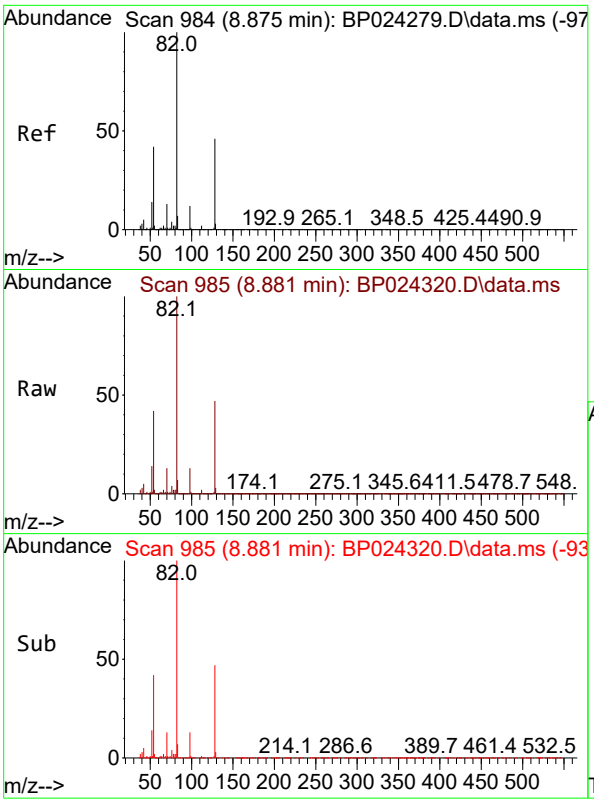


#22
Acetophenone
Concen: 39.275 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:105 Resp: 1292092

Ion	Ratio	Lower	Upper
105	100		
71	3.8	1.7	2.5#
51	22.0	16.9	25.3
120	23.2	18.6	28.0

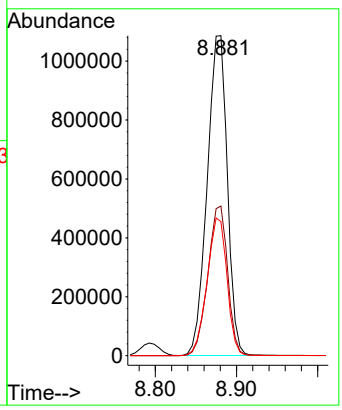




#23
Nitrobenzene-d5
Concen: 80.222 ng
RT: 8.881 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 82 Resp: 187004

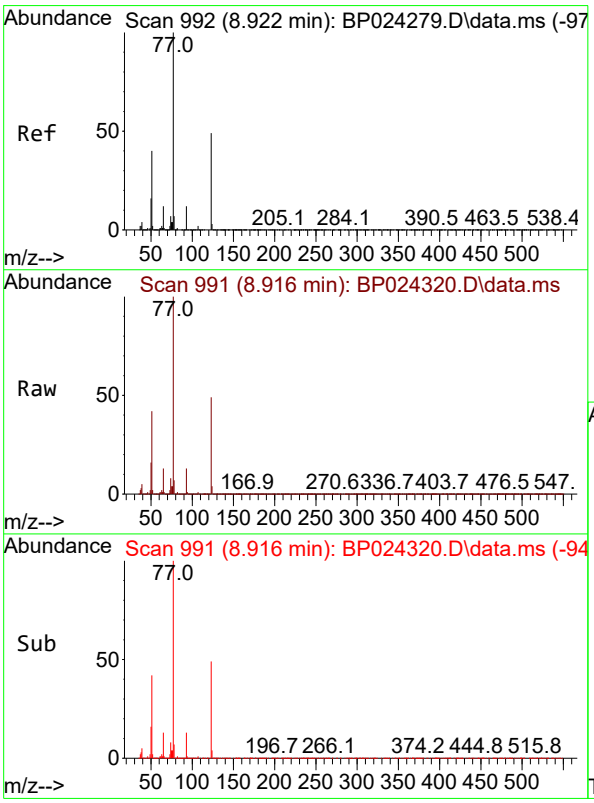
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.5	54.7
54	41.9	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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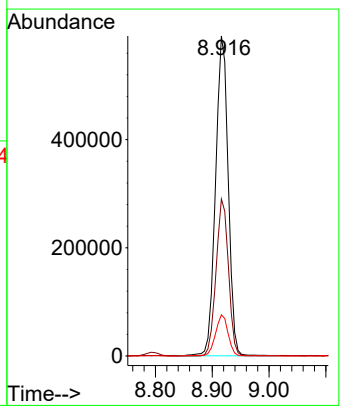
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

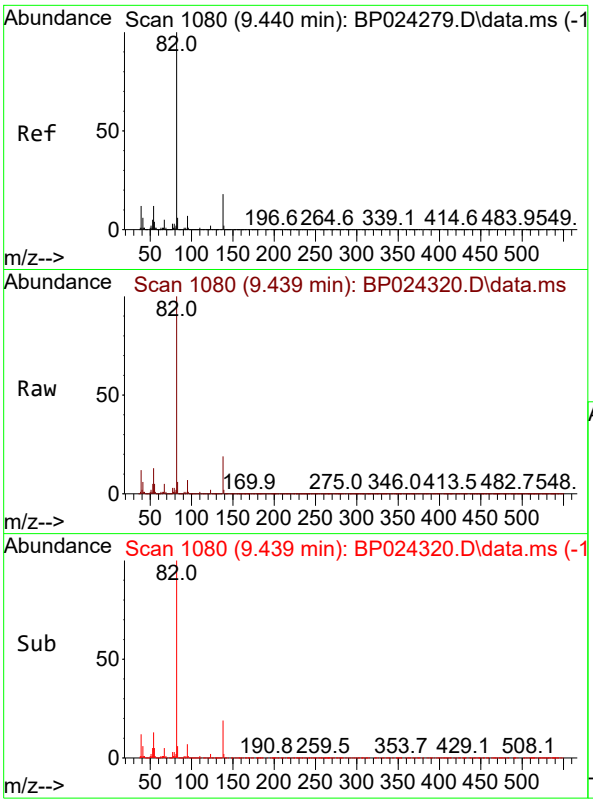


#24
Nitrobenzene
Concen: 39.810 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 77 Resp: 918025

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	12.8	9.8	14.6

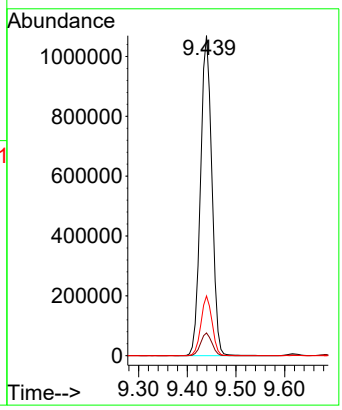




#25
Isophorone
Concen: 40.971 ng
RT: 9.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 82 Resp: 172875

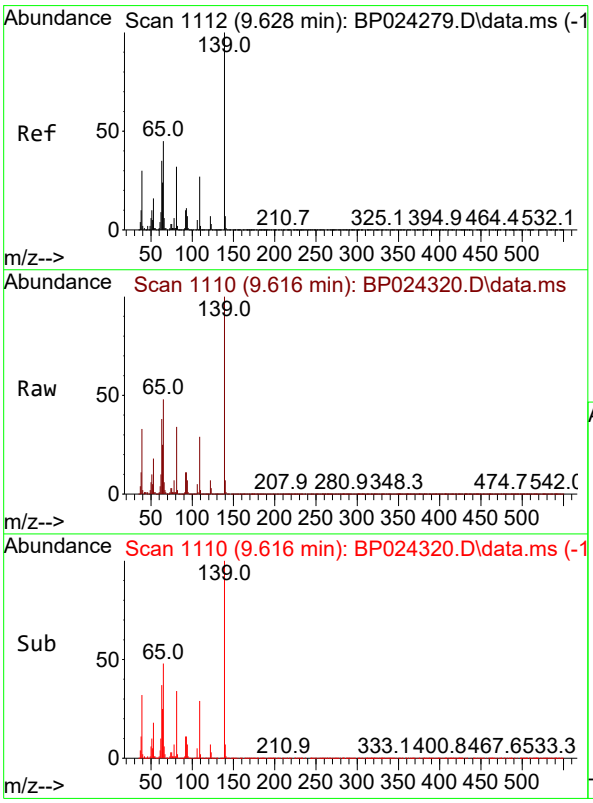
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.6	14.4	21.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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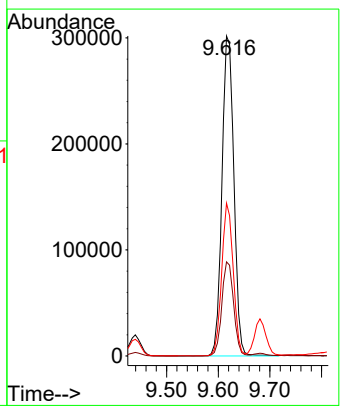
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

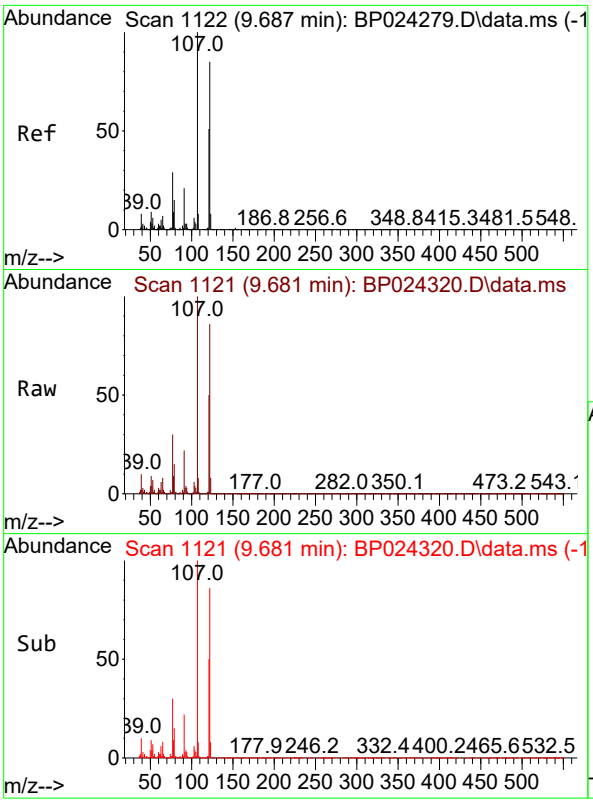


#26
2-Nitrophenol
Concen: 42.822 ng
RT: 9.616 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:139 Resp: 483249

Ion	Ratio	Lower	Upper
139	100		
109	29.4	21.8	32.6
65	47.7	36.2	54.2

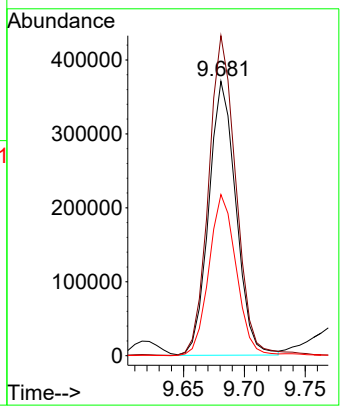




#27
2,4-Dimethylphenol
Concen: 40.604 ng
RT: 9.681 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:122 Resp: 57535

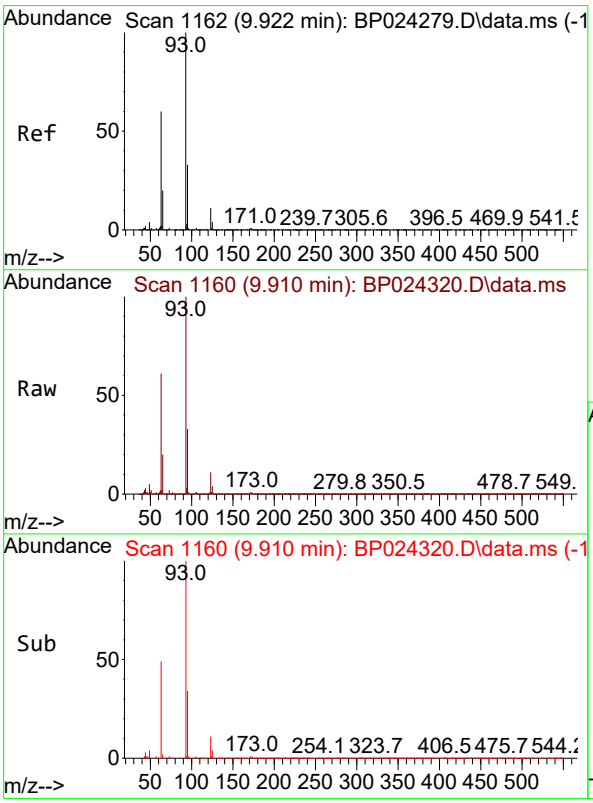
Ion	Ratio	Lower	Upper
122	100		
107	116.6	93.7	140.5
121	58.8	48.2	72.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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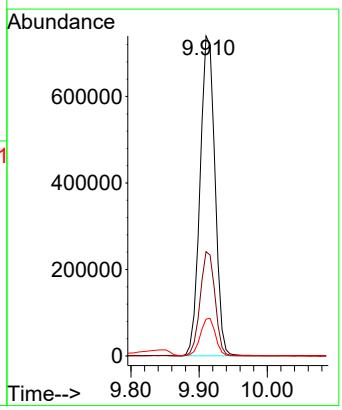
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

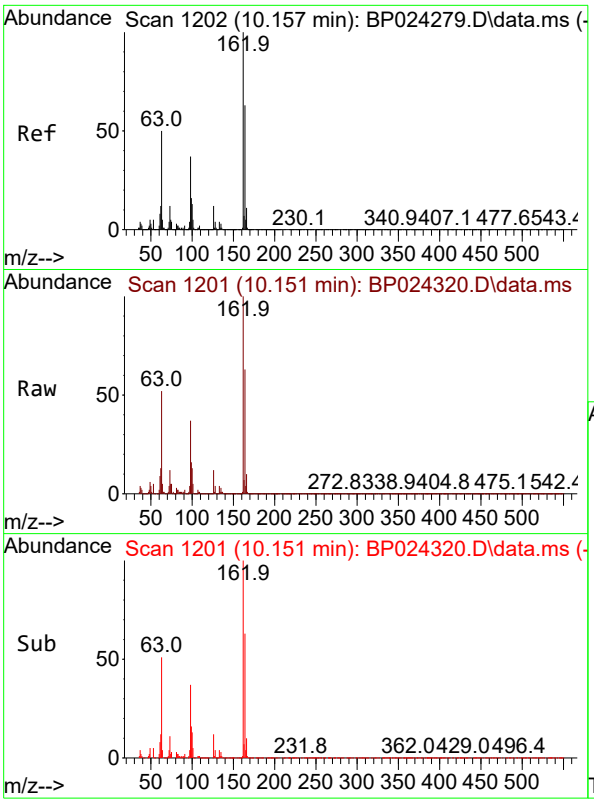


#28
bis(2-Chloroethoxy)methane
Concen: 39.481 ng
RT: 9.910 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 93 Resp: 1125374

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	11.5	9.1	13.7





#29
2,4-Dichlorophenol
Concen: 40.829 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

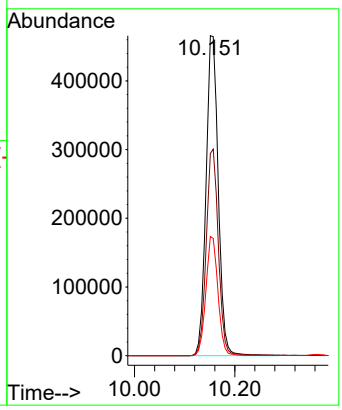
Tgt Ion:162 Resp: 78885

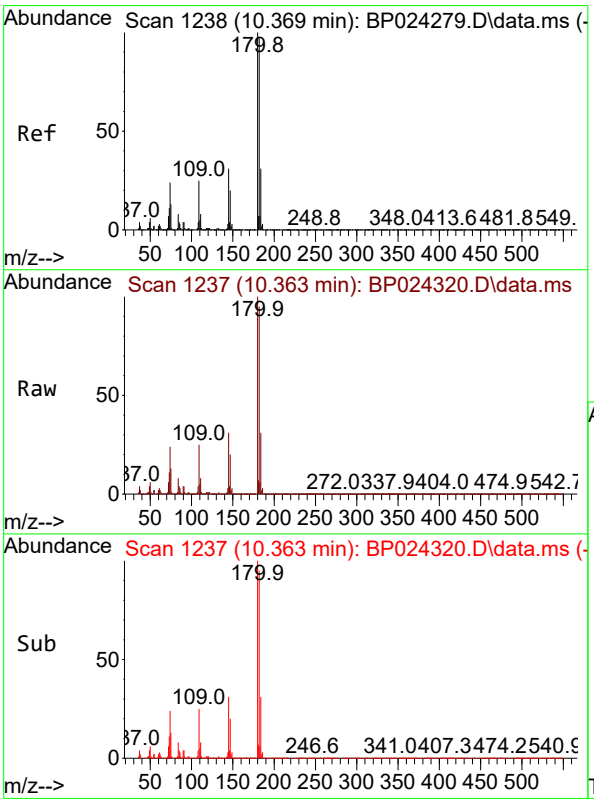
Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.3	83.3
98	37.2	16.6	56.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

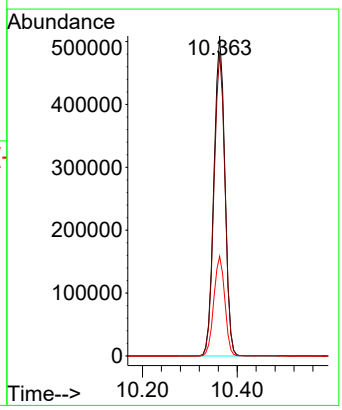


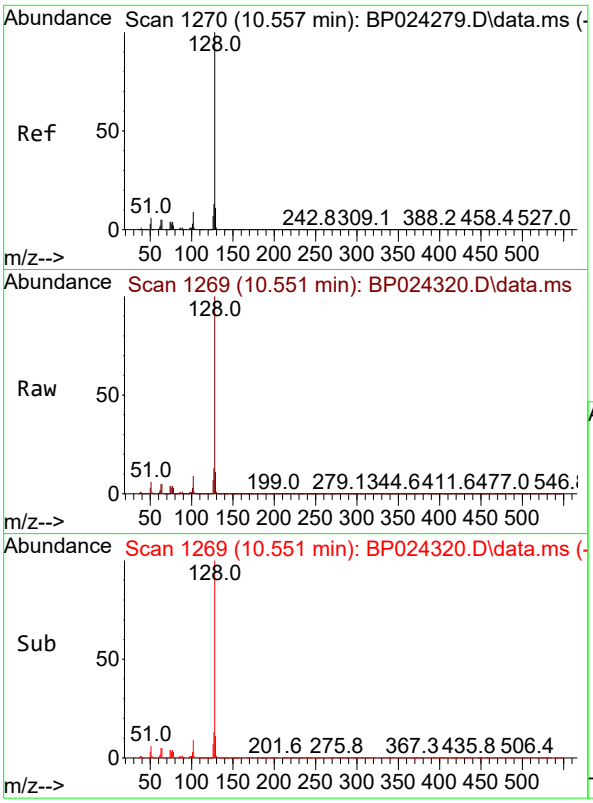


#30
1,2,4-Trichlorobenzene
Concen: 39.336 ng
RT: 10.363 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:180 Resp: 814281

Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.3	115.9
145	31.2	25.1	37.7

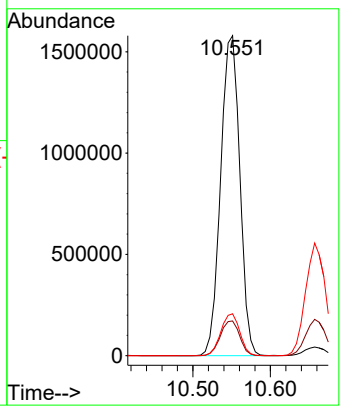




#31
Naphthalene
Concen: 38.783 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:128 Resp: 271547

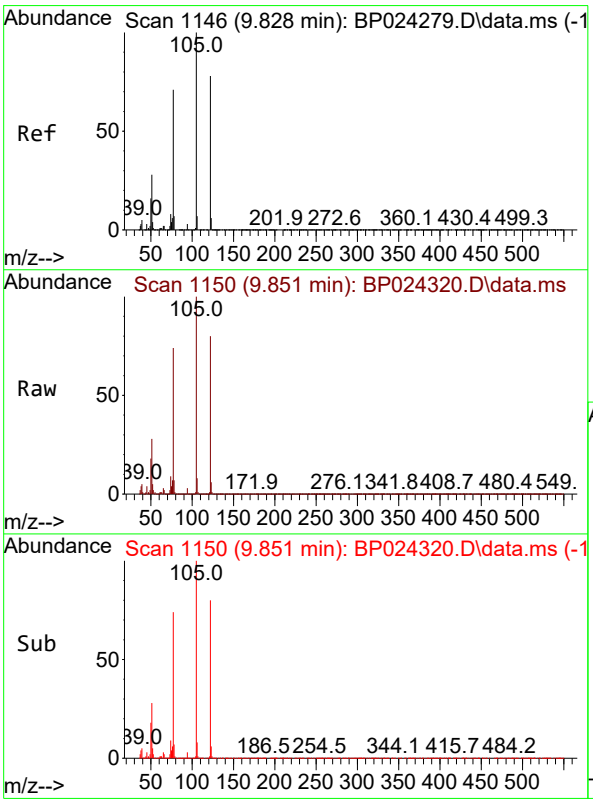
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.1	10.3	15.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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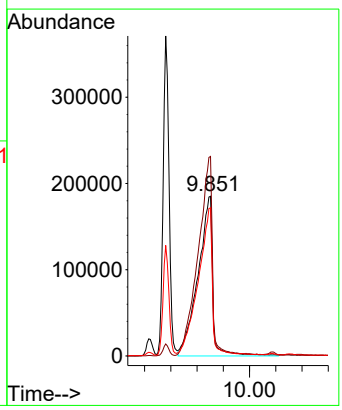
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

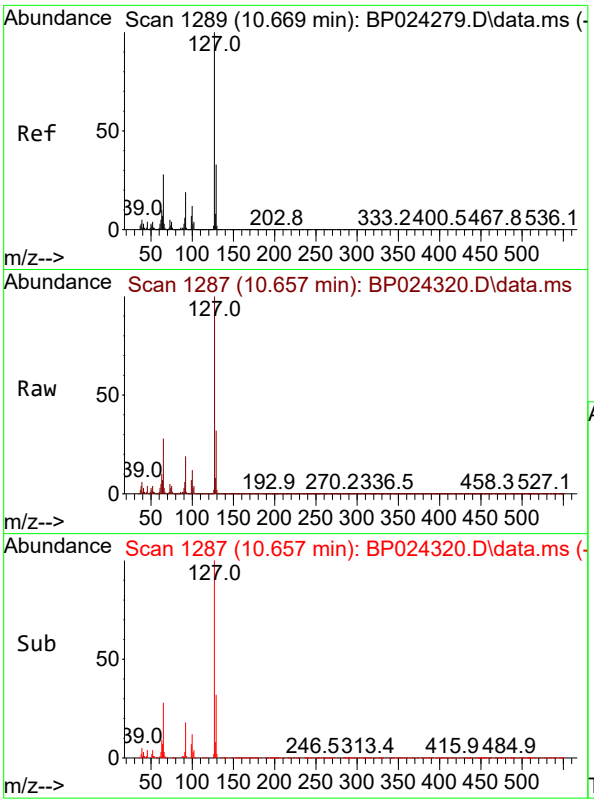


#32
Benzoic acid
Concen: 43.759 ng m
RT: 9.851 min Scan# 1150
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:122 Resp: 722510

Ion	Ratio	Lower	Upper
122	100		
105	125.0	104.8	144.8
77	92.9	69.2	109.2

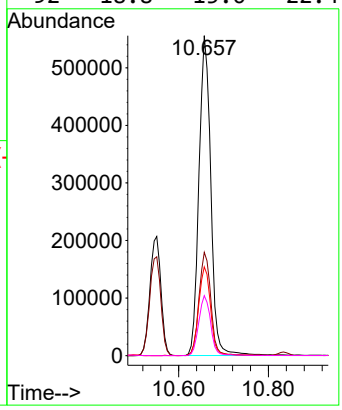




#33
4-Chloroaniline
Concen: 41.360 ng
RT: 10.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:127 Resp: 101984

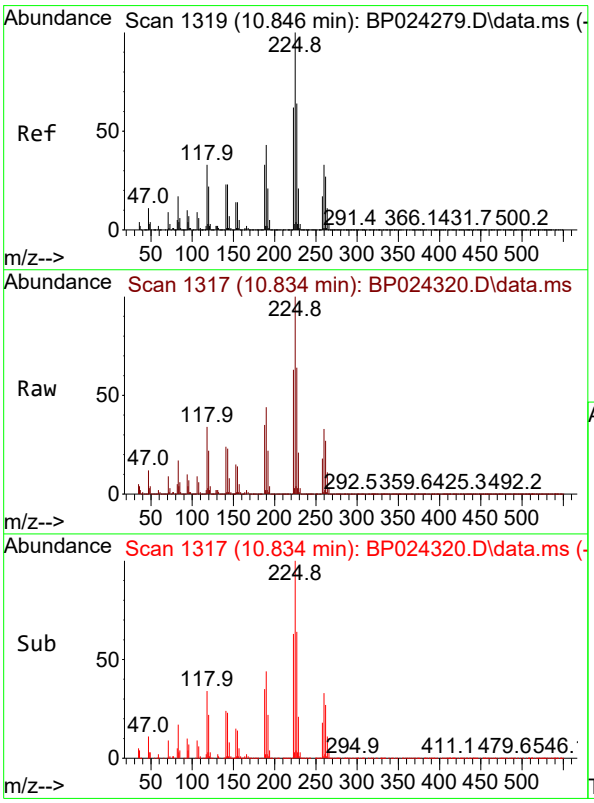
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	27.8	22.1	33.1
92	18.8	15.0	22.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

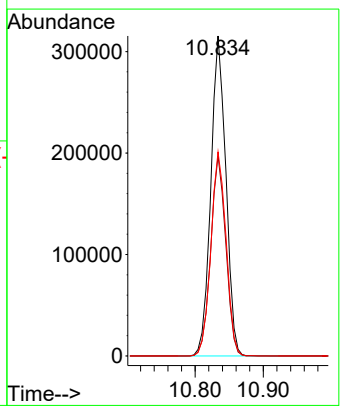
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

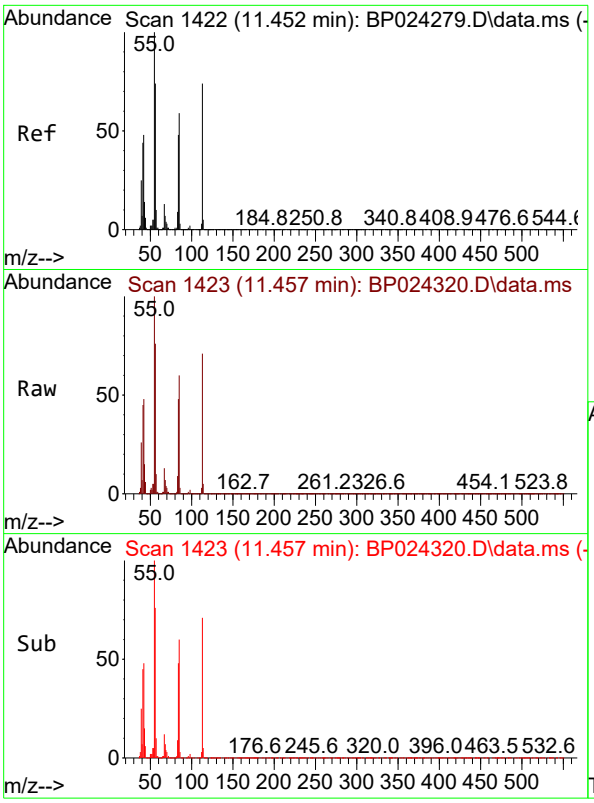


#34
Hexachlorobutadiene
Concen: 39.760 ng
RT: 10.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:225 Resp: 483655

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.5	74.3
227	63.8	50.9	76.3

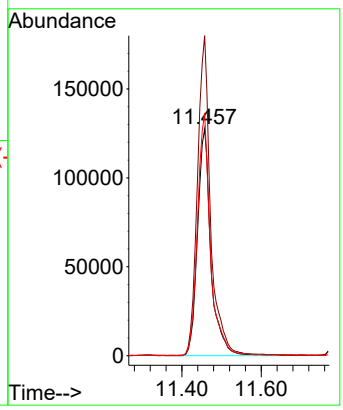




#35
Caprolactam
Concen: 41.696 ng
RT: 11.457 min Scan# 14
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:113 Resp: 29724

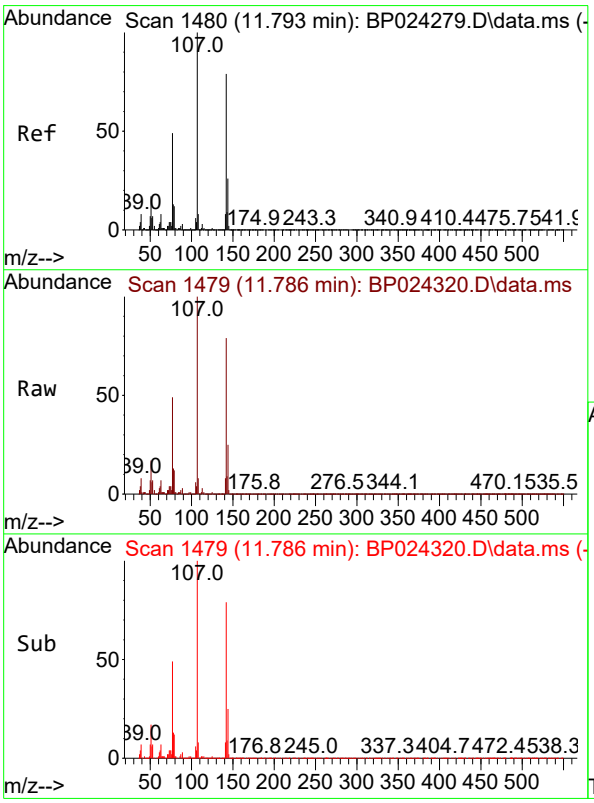
Ion	Ratio	Lower	Upper
113	100		
55	141.3	115.9	155.9
56	107.2	81.1	121.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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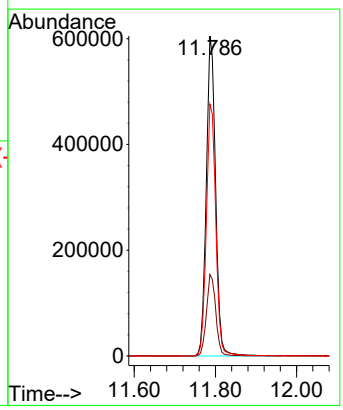
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

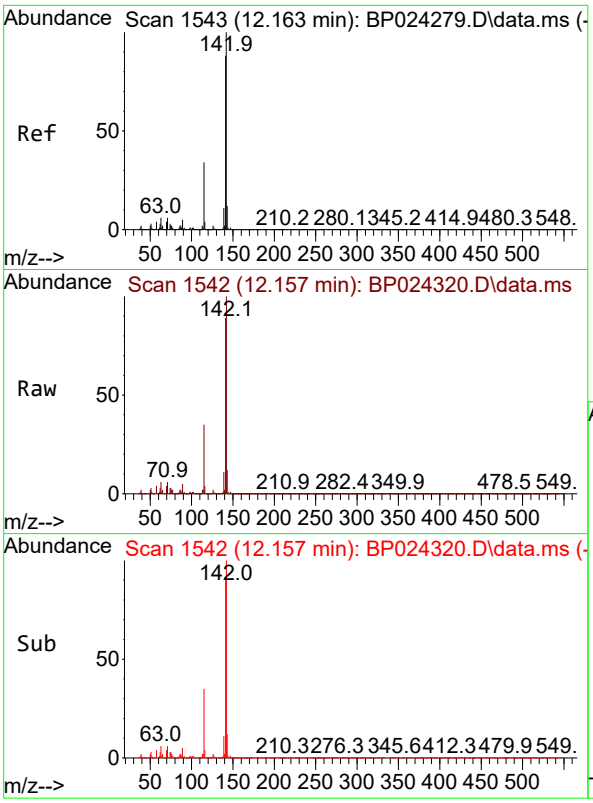


#36
4-Chloro-3-methylphenol
Concen: 42.443 ng
RT: 11.786 min Scan# 1479
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:107 Resp: 955140

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	78.7	63.4	95.2

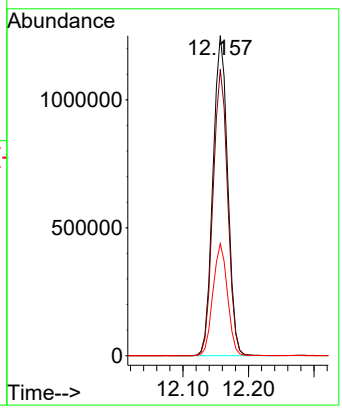




#37
2-Methylnaphthalene
Concen: 40.072 ng
RT: 12.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:142 Resp: 194583

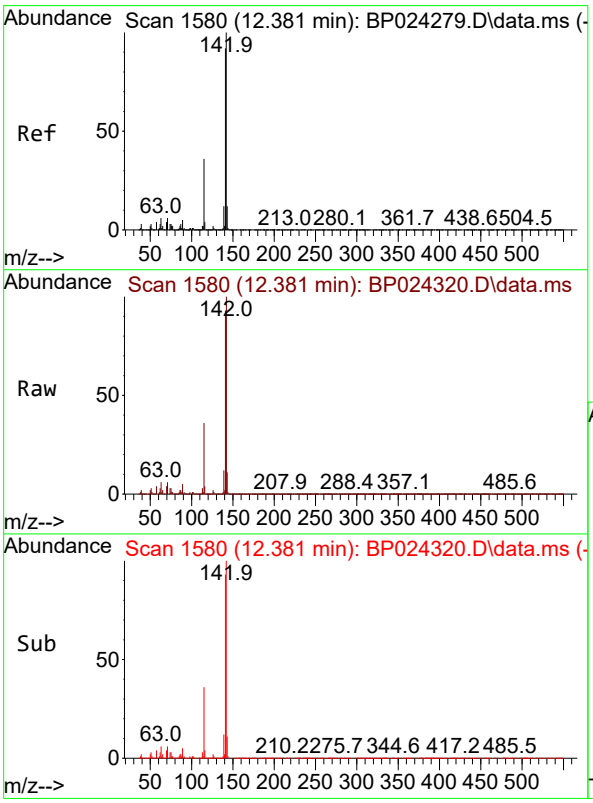
Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.3	105.5
115	35.0	26.9	40.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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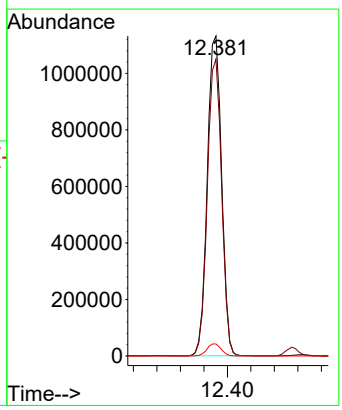
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

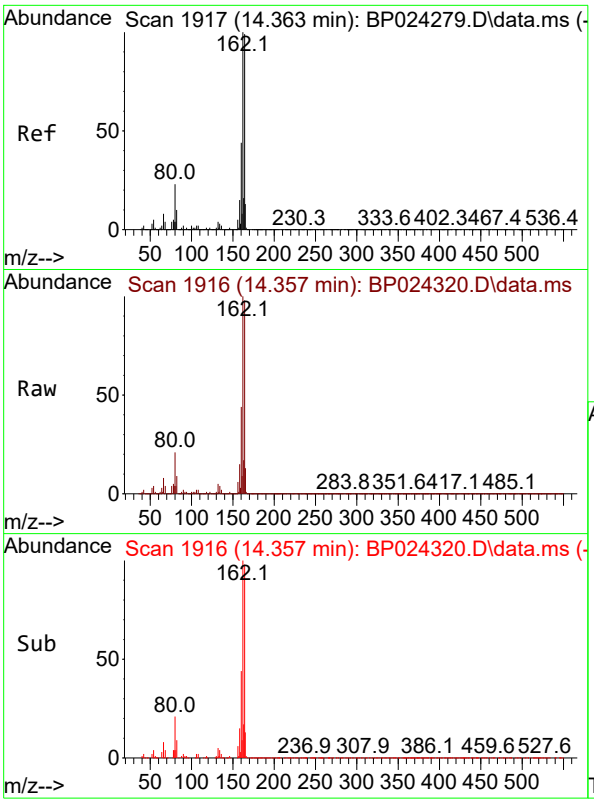


#38
1-Methylnaphthalene
Concen: 40.297 ng
RT: 12.381 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:142 Resp: 1914271

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.6	110.4
116	3.8	3.0	4.6

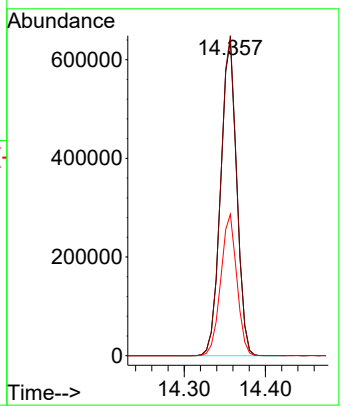




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:164 Resp: 88081

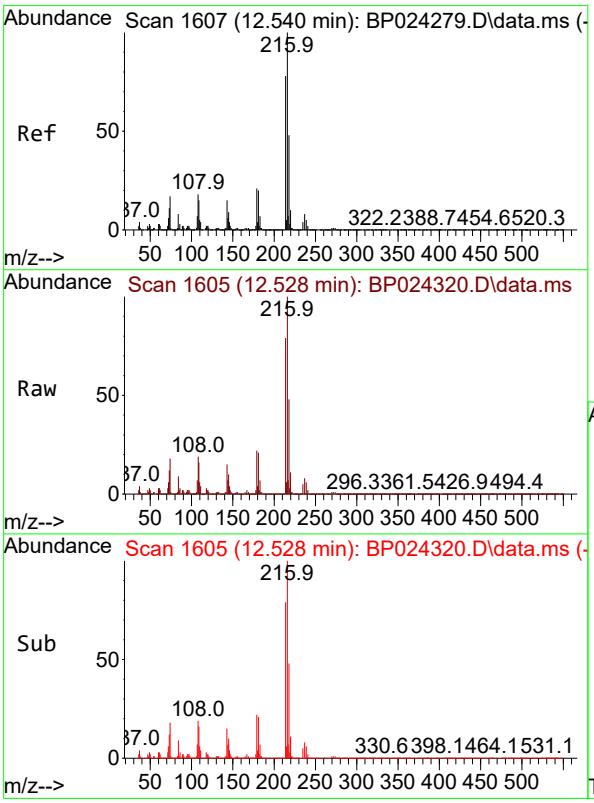
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	44.9	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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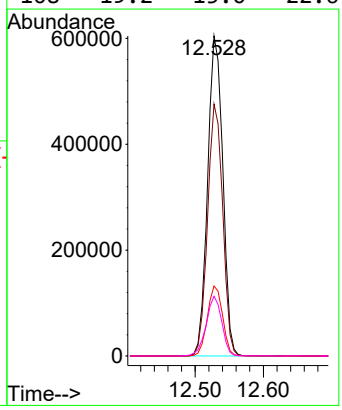
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

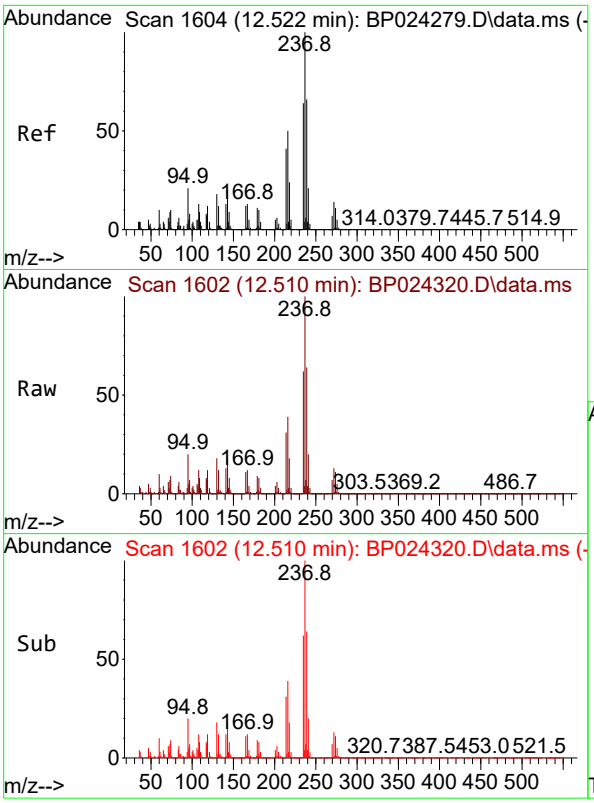


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.659 ng
RT: 12.528 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:216 Resp: 936432

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	93.8
179	21.9	17.2	25.8
108	19.2	15.0	22.6

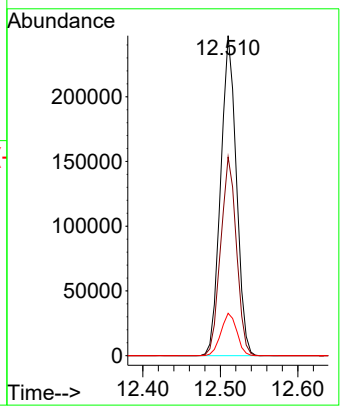




#41
Hexachlorocyclopentadiene
Concen: 40.713 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:237 Resp: 34878

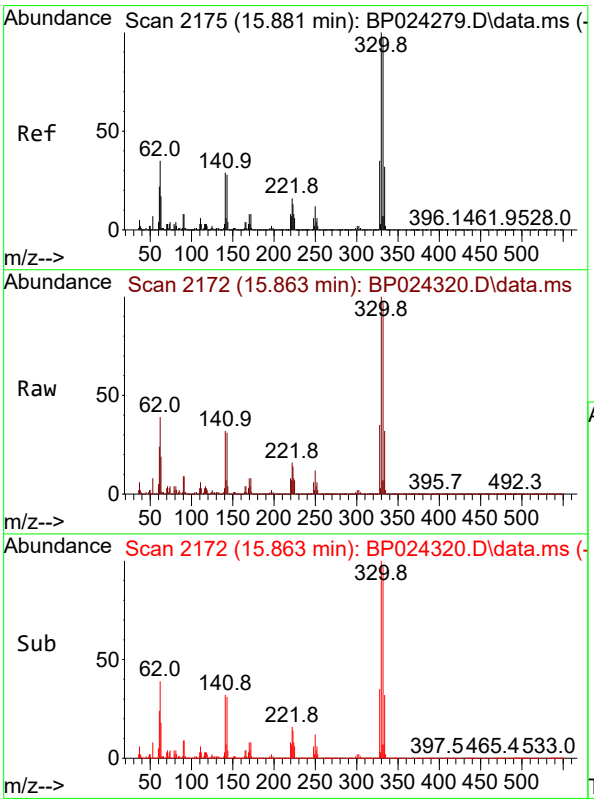
Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.9	83.9
272	13.3	0.0	33.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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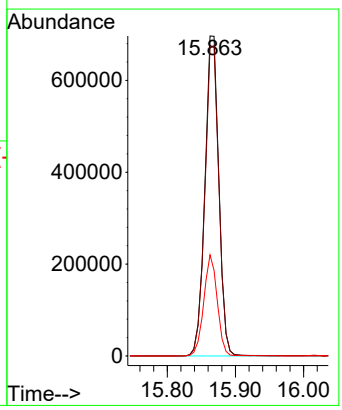
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

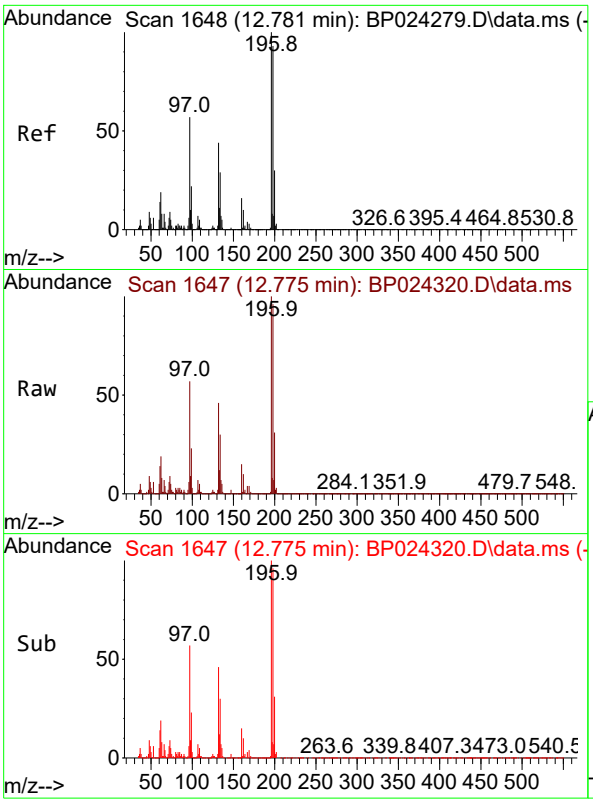


#42
2,4,6-Tribromophenol
Concen: 81.408 ng
RT: 15.863 min Scan# 2172
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:330 Resp: 992087

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.1	115.7
141	30.5	24.7	37.1





#43
2,4,6-Trichlorophenol
Concen: 40.507 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

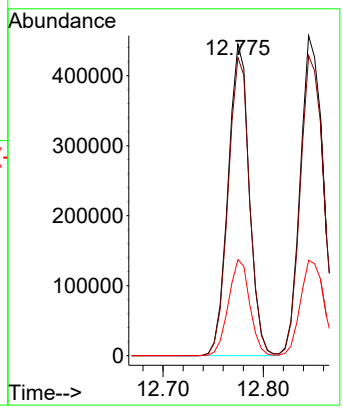
Tgt Ion:196 Resp: 65234

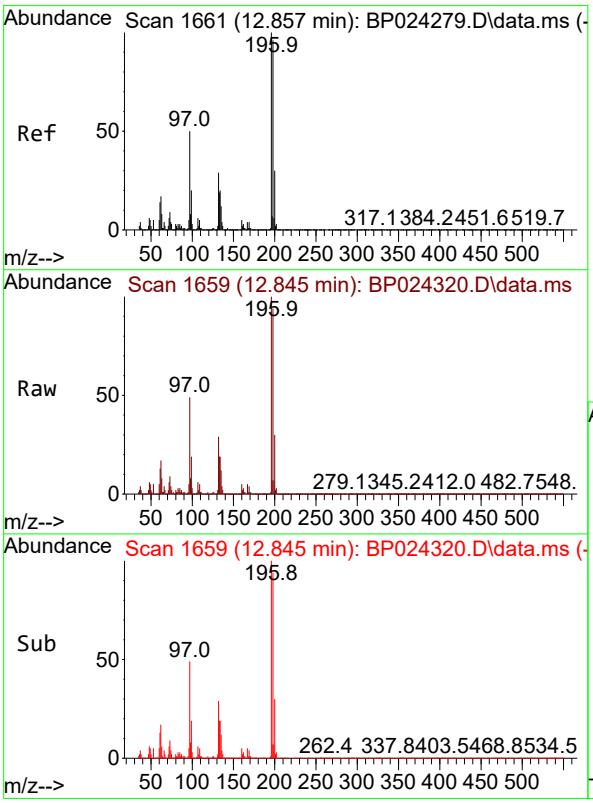
Ion	Ratio	Lower	Upper
196	100		
198	95.7	74.3	111.5
200	30.8	24.0	36.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

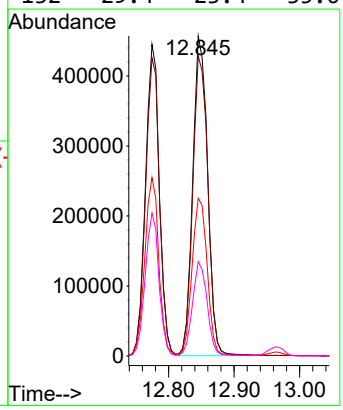


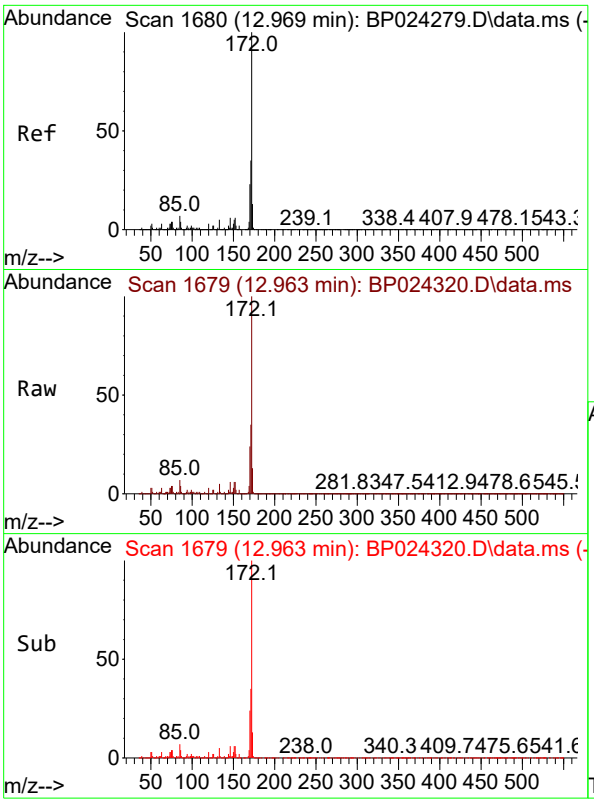


#44
2,4,5-Trichlorophenol
Concen: 40.463 ng
RT: 12.845 min Scan# 1659
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:196 Resp: 721605

Ion	Ratio	Lower	Upper
196	100		
198	93.7	77.3	115.9
97	49.3	40.4	60.6
132	29.4	23.4	35.0

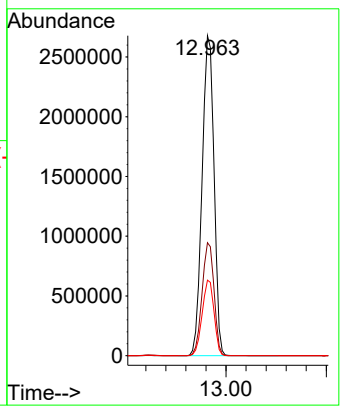




#45
2-Fluorobiphenyl
Concen: 76.978 ng
RT: 12.963 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:172 Resp: 442840

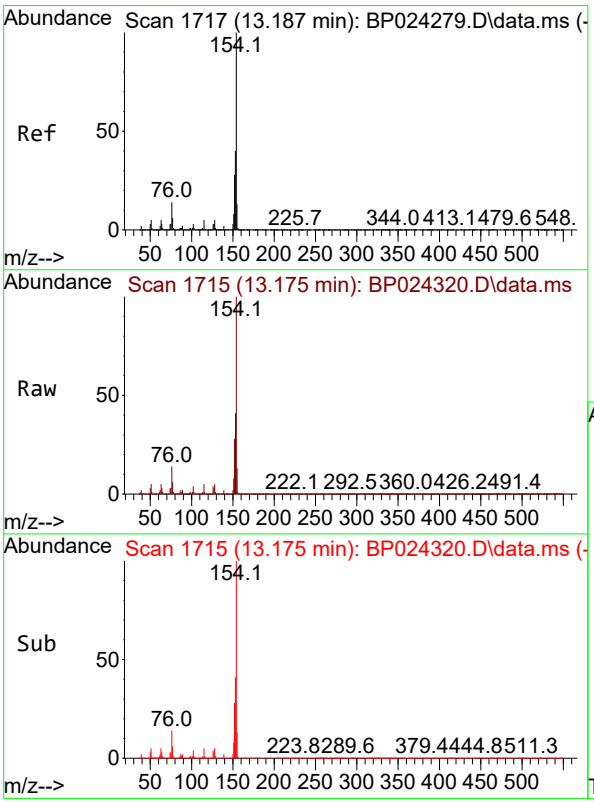
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.6	18.6	27.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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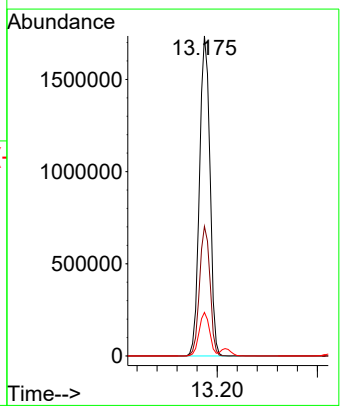
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

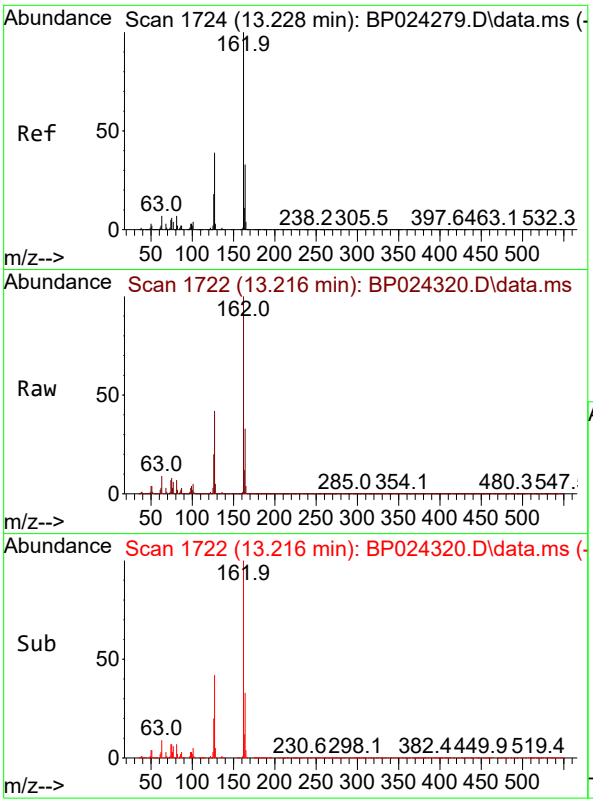


#46
1,1'-Biphenyl
Concen: 38.813 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:154 Resp: 2512917

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.6	0.0	33.5

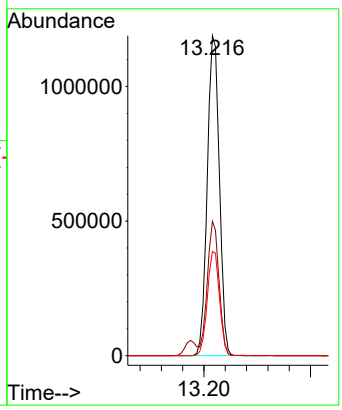




#47
2-Chloronaphthalene
Concen: 38.660 ng
RT: 13.216 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:162 Resp: 187072

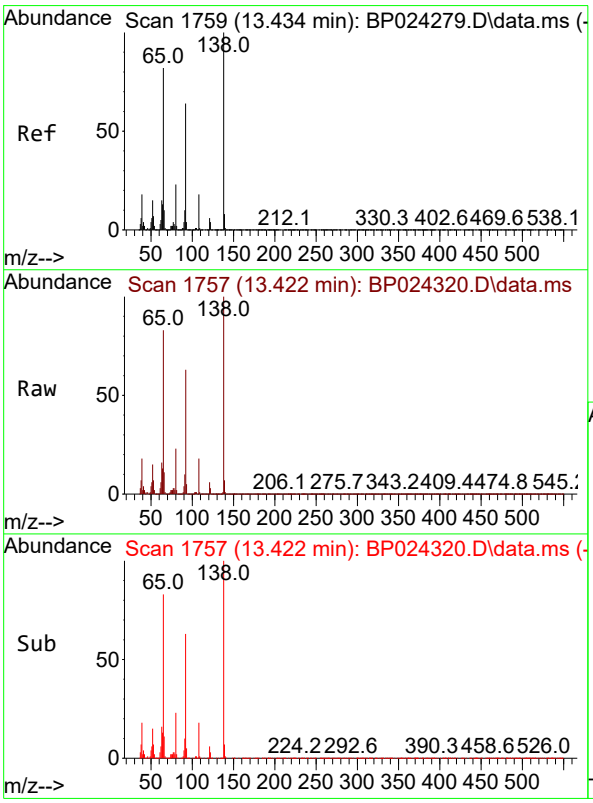
Ion	Ratio	Lower	Upper
162	100		
127	42.0	31.9	47.9
164	32.5	26.2	39.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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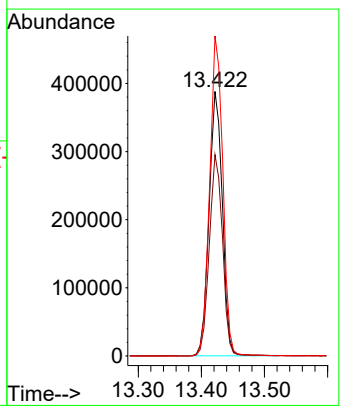
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

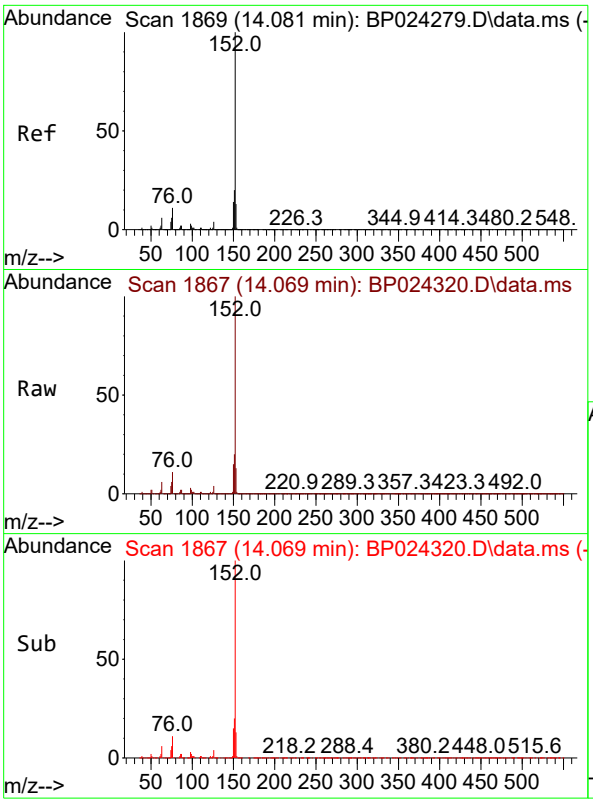


#48
2-Nitroaniline
Concen: 41.935 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion: 65 Resp: 569206

Ion	Ratio	Lower	Upper
65	100		
92	76.1	62.3	93.5
138	121.0	97.2	145.8

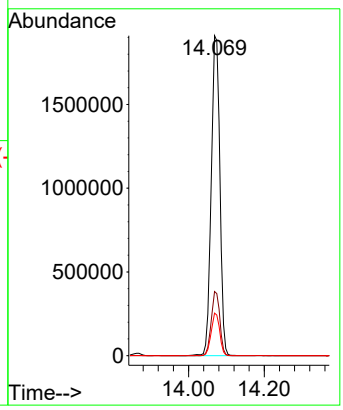




#49
Acenaphthylene
Concen: 39.357 ng
RT: 14.069 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:152 Resp: 299839

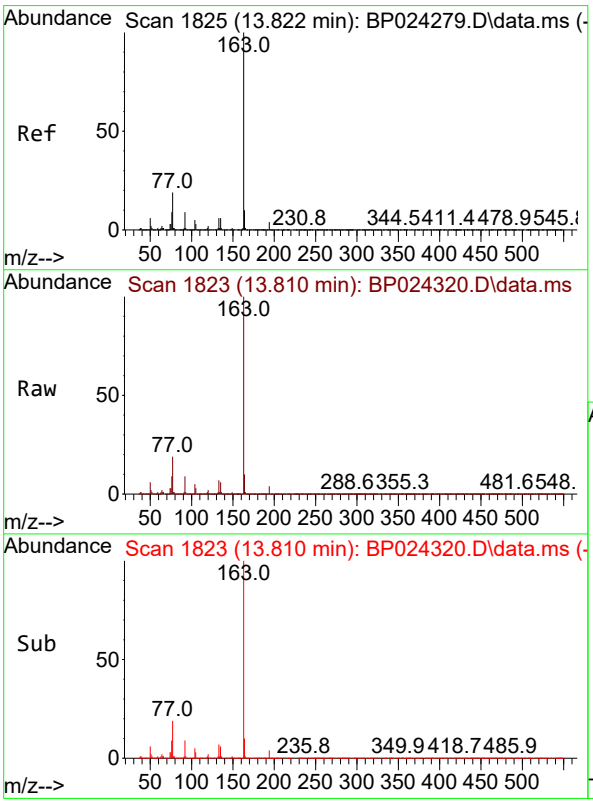
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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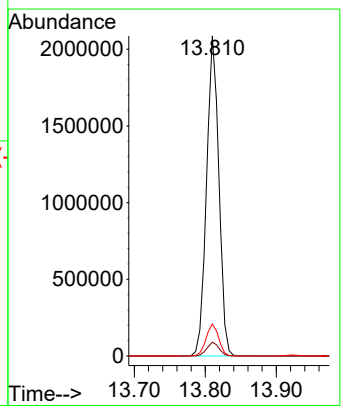
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

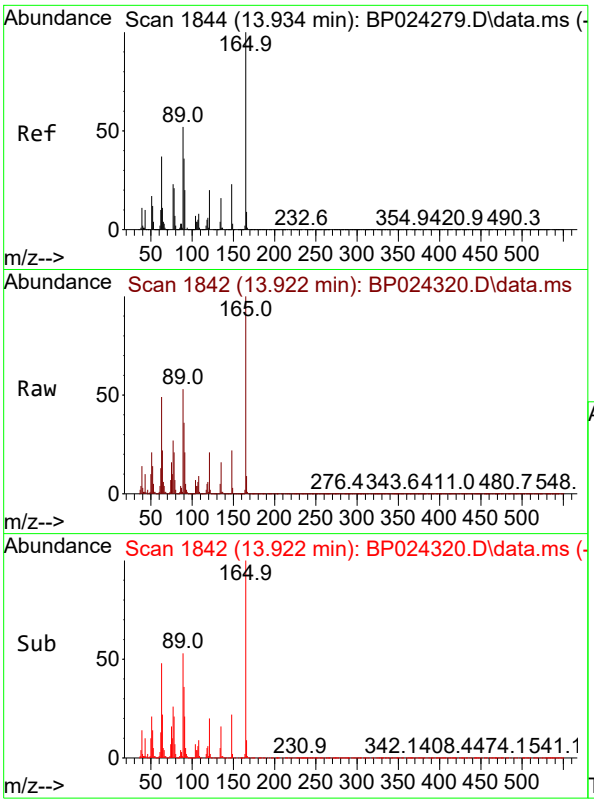


#50
Dimethylphthalate
Concen: 39.269 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:163 Resp: 2515357

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 40.755 ng
RT: 13.922 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

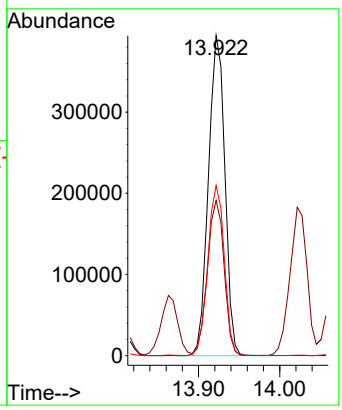
Tgt Ion:165 Resp: 55434

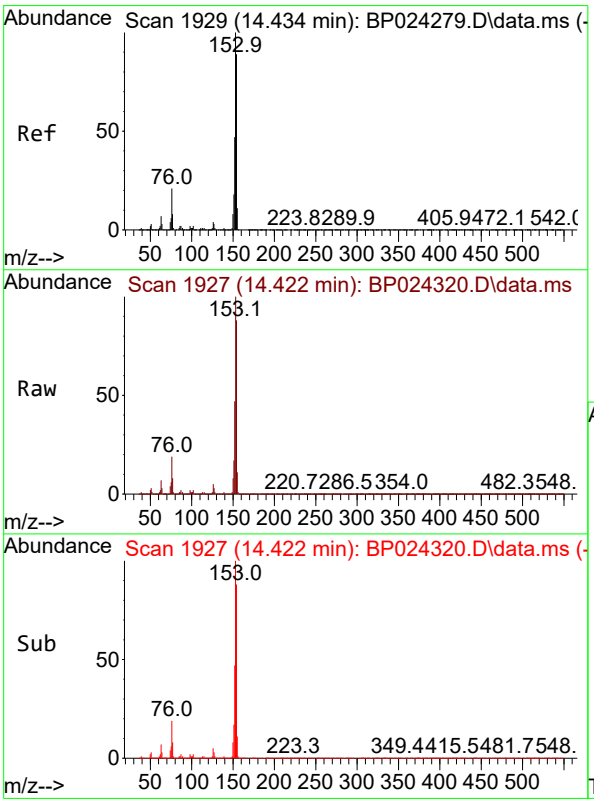
Ion	Ratio	Lower	Upper
165	100		
63	48.5	38.0	57.0
89	53.2	41.7	62.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

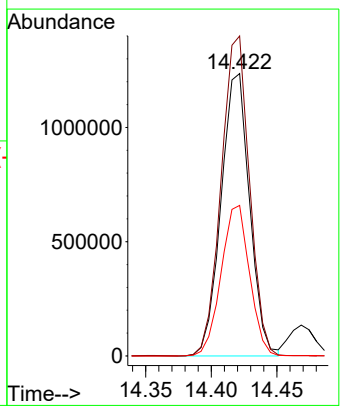


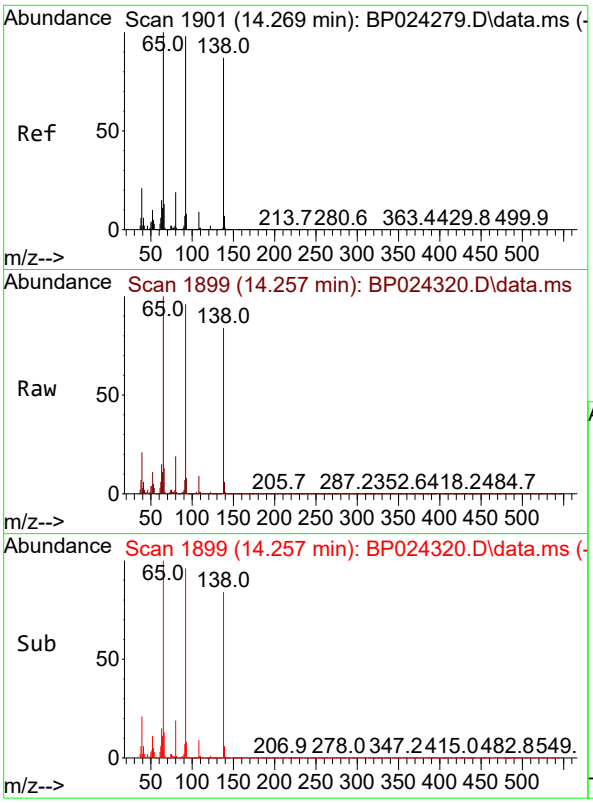


#52
Acenaphthene
Concen: 38.741 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:154 Resp: 1871183

Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.8	134.6
152	53.3	42.6	63.8

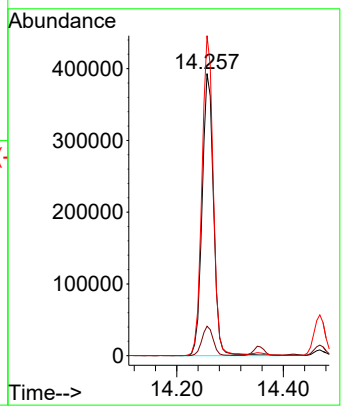




#53
3-Nitroaniline
Concen: 40.596 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:138 Resp: 58035

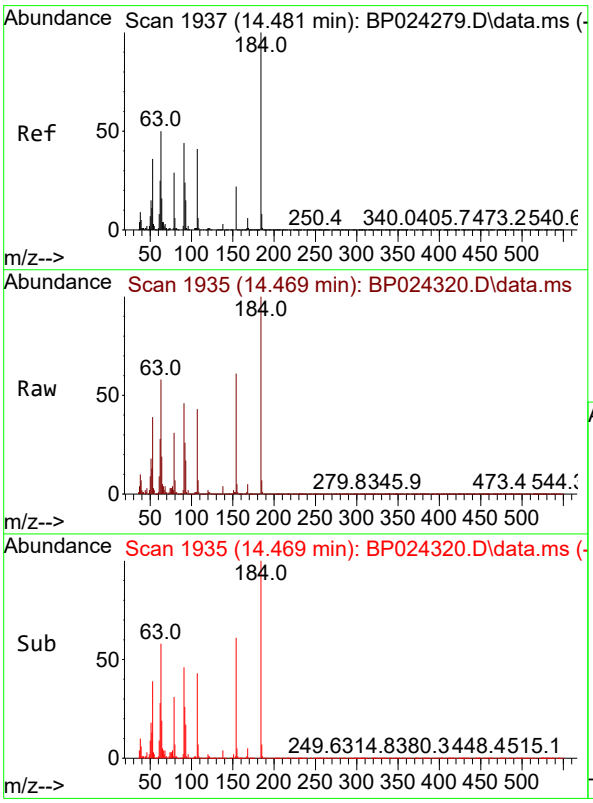
Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	113.4	89.8	134.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

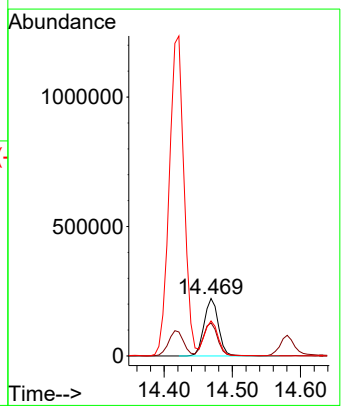
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

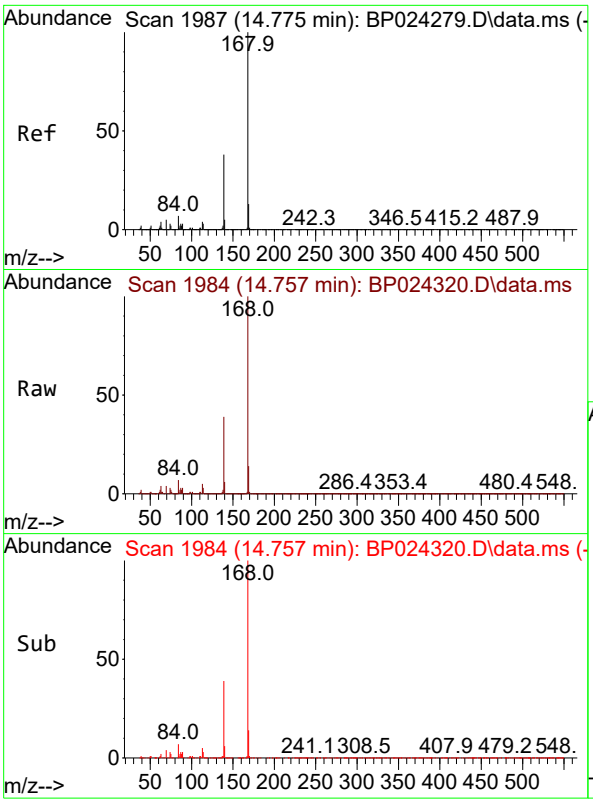


#54
2,4-Dinitrophenol
Concen: 40.612 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.023 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:184 Resp: 325391

Ion	Ratio	Lower	Upper
184	100		
63	57.6	42.6	64.0
154	61.0	47.2	70.8

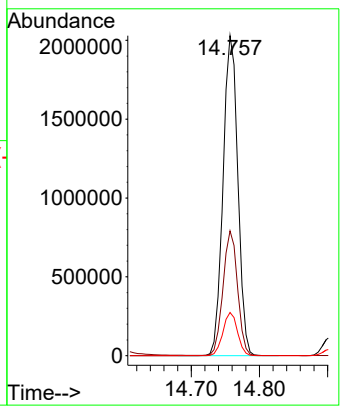




#55
Dibenzofuran
Concen: 38.705 ng
RT: 14.757 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:168 Resp: 305572

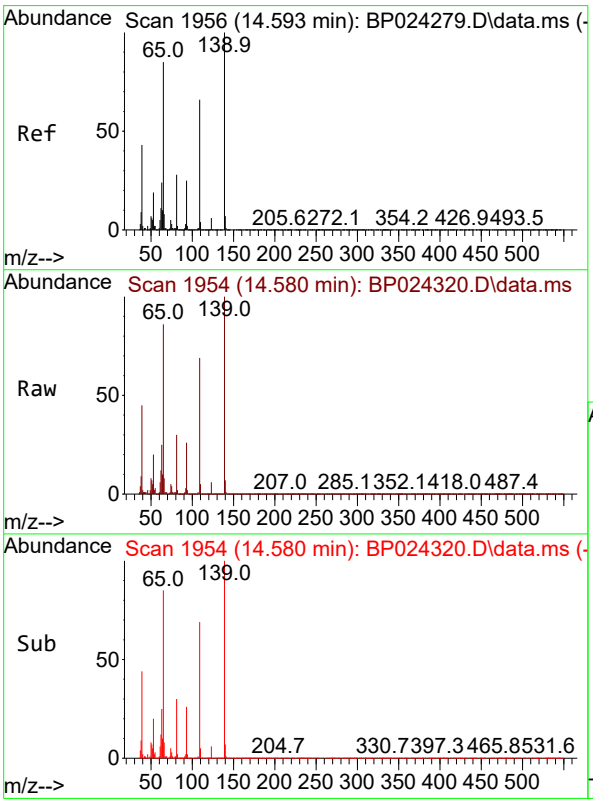
Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.3	45.5
169	13.5	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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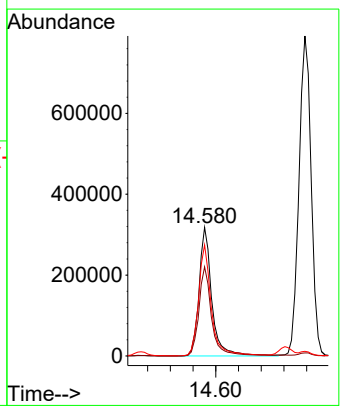
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

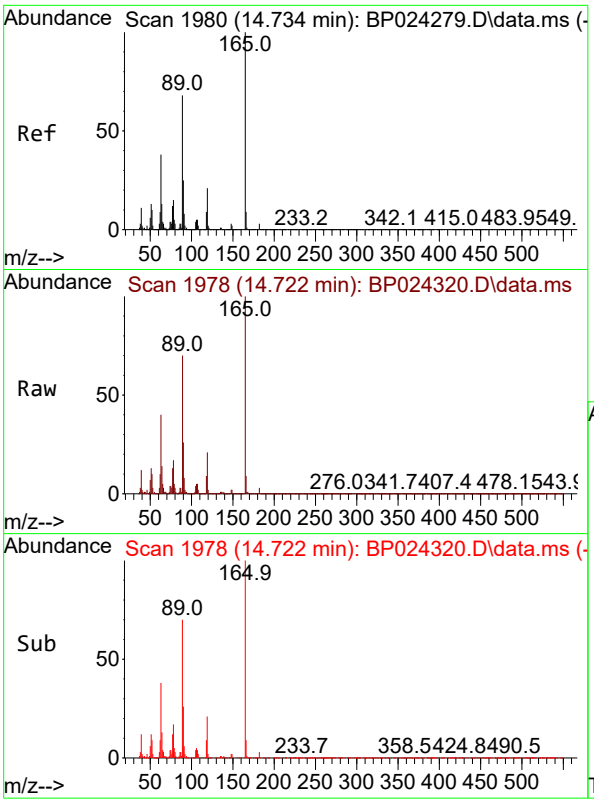


#56
4-Nitrophenol
Concen: 40.410 ng
RT: 14.580 min Scan# 1954
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:139 Resp: 498923

Ion	Ratio	Lower	Upper
139	100		
109	69.3	46.1	86.1
65	86.3	65.0	105.0

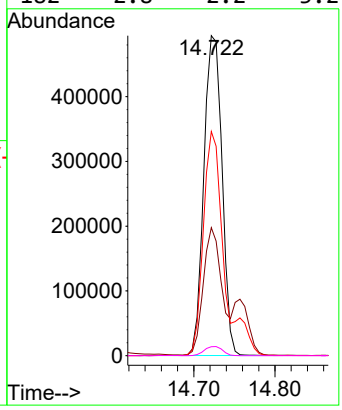




#57
2,4-Dinitrotoluene
Concen: 41.354 ng
RT: 14.722 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:165 Resp: 76731

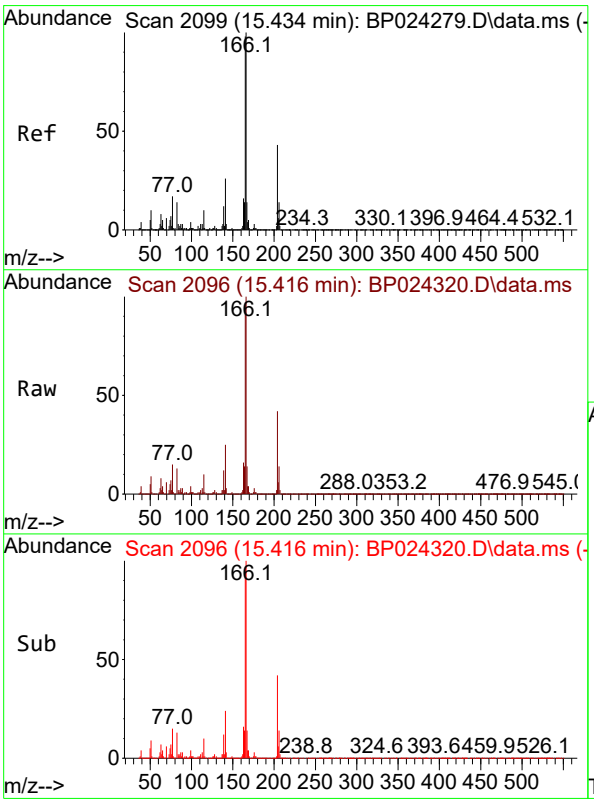
Ion	Ratio	Lower	Upper
165	100		
63	40.0	30.4	45.6
89	70.1	54.6	82.0
182	2.8	2.2	3.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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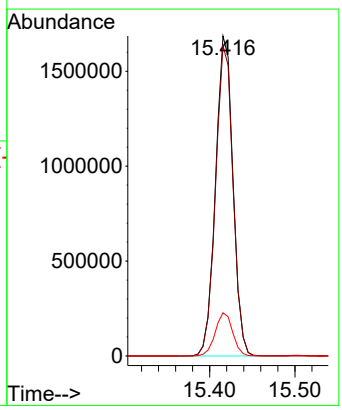
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

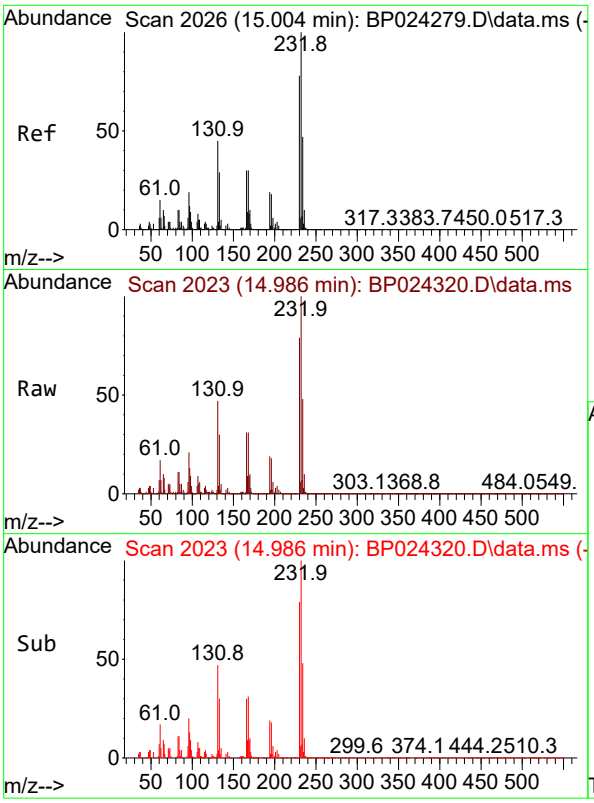


#58
Fluorene
Concen: 39.102 ng
RT: 15.416 min Scan# 2096
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:166 Resp: 2389776

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.5	10.9	16.3

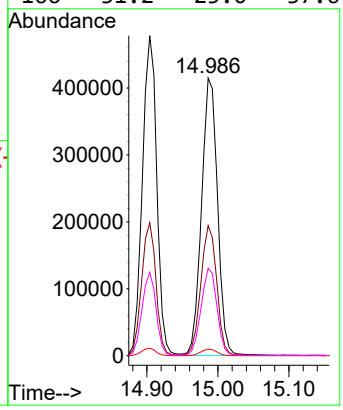




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.593 ng
RT: 14.986 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:232 Resp: 65122

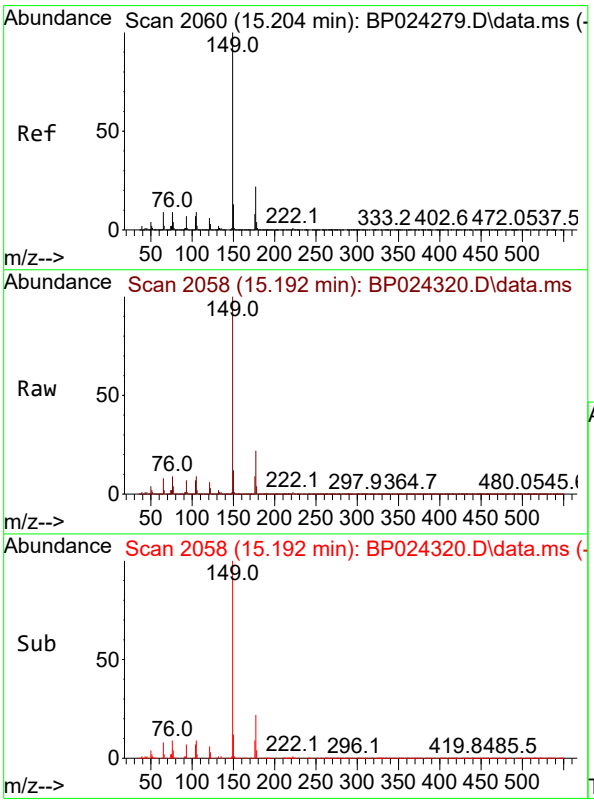
Ion	Ratio	Lower	Upper
232	100		
131	46.6	36.8	55.2
130	2.4	1.9	2.9
166	31.2	25.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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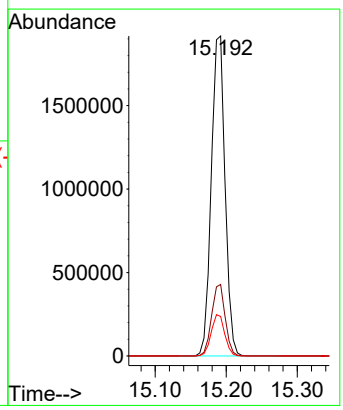
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

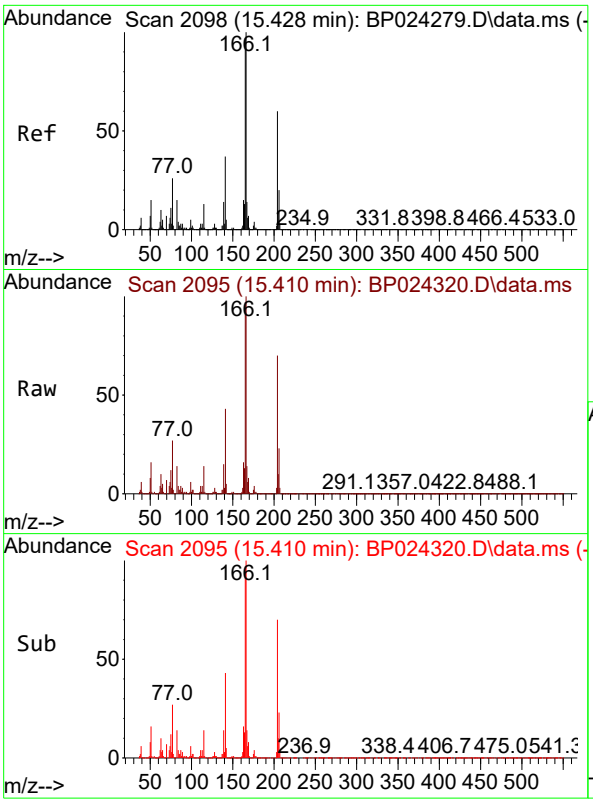


#60
Diethylphthalate
Concen: 39.045 ng
RT: 15.192 min Scan# 2058
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 2577316

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.4	26.2
150	12.4	10.1	15.1

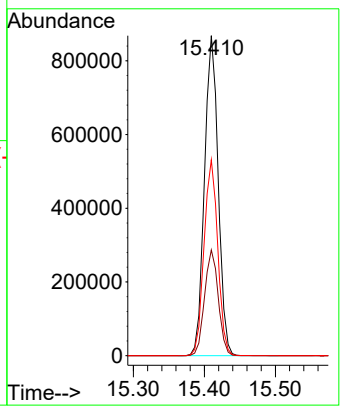




#61
4-Chlorophenyl-phenylether
Concen: 39.321 ng
RT: 15.410 min Scan# 2
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:204 Resp: 116696

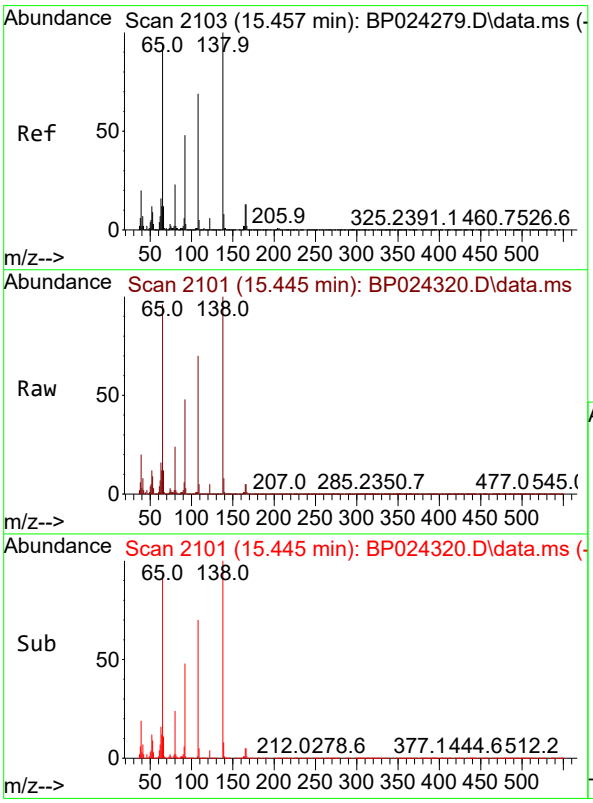
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	61.2	49.4	74.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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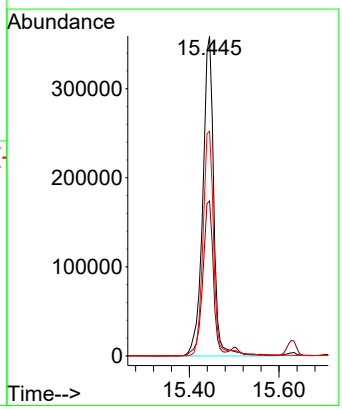
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

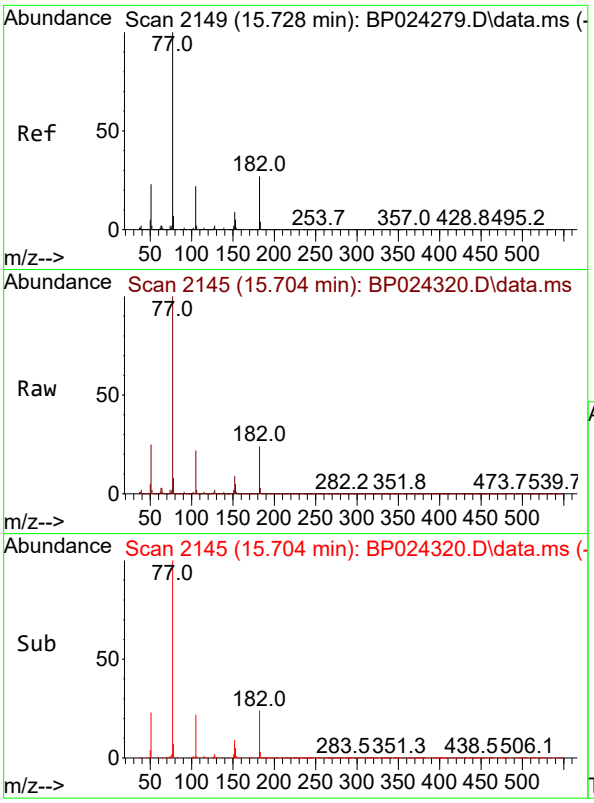


#62
4-Nitroaniline
Concen: 40.328 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:138 Resp: 610318

Ion	Ratio	Lower	Upper
138	100		
92	48.5	27.8	67.8
108	70.3	48.9	88.9





#63
Azobenzene
Concen: 39.931 ng
RT: 15.704 min Scan# 2
Delta R.T. -0.036 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

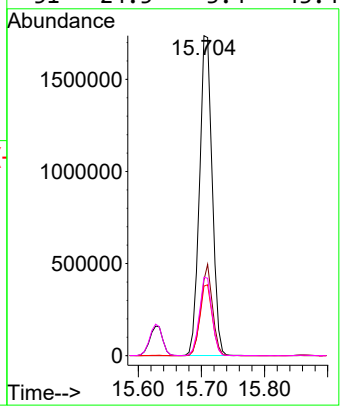
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

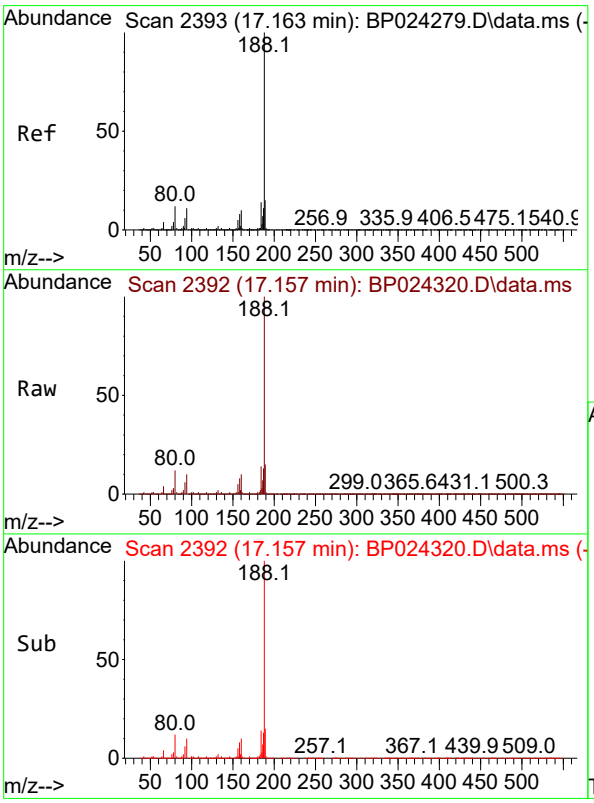
Tgt Ion: 77 Resp: 242264

Ion	Ratio	Lower	Upper
77	100		
182	23.6	7.3	47.3
105	21.8	2.3	42.3
51	24.5	3.4	43.4

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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

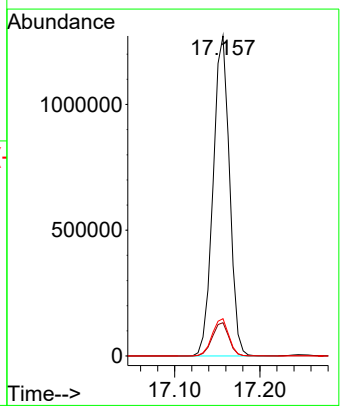


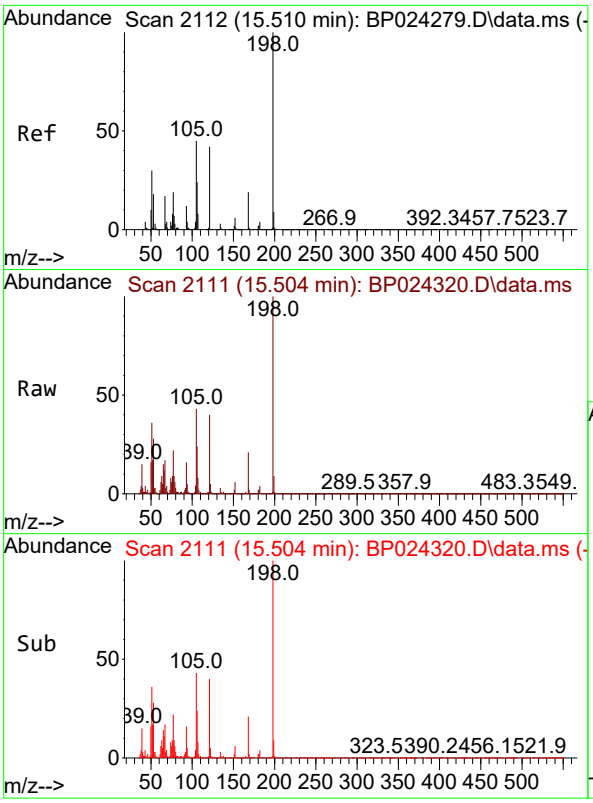


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2392
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:188 Resp: 1702907

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.6	9.8	14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 41.077 ng
RT: 15.504 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

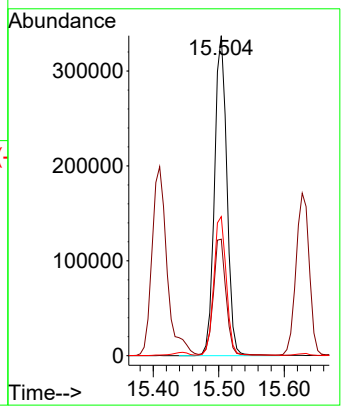
Tgt Ion:198 Resp: 44100

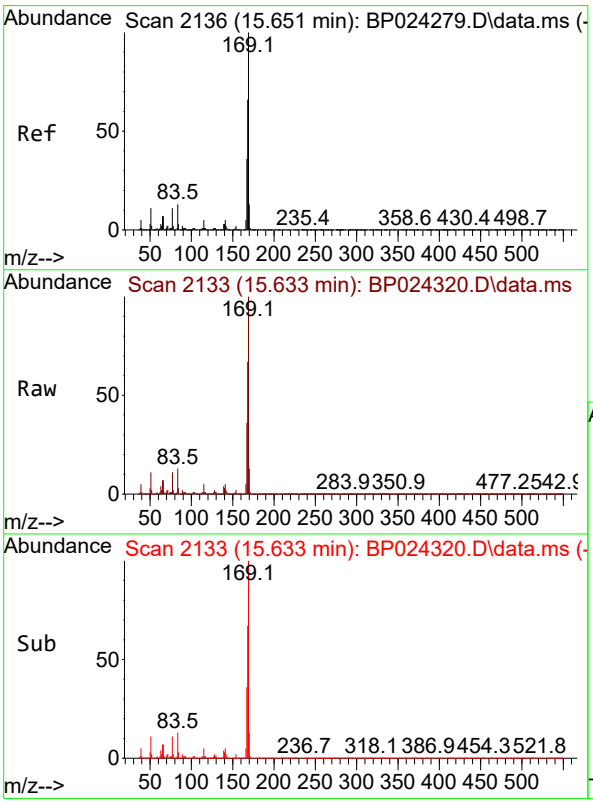
Ion	Ratio	Lower	Upper
198	100		
51	36.4	18.4	58.4
105	43.5	26.5	66.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

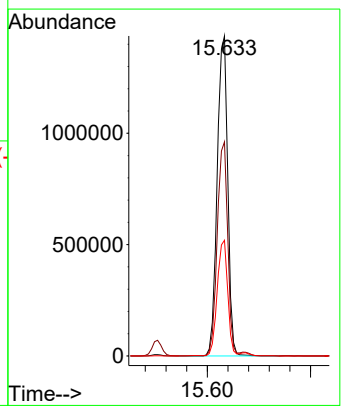


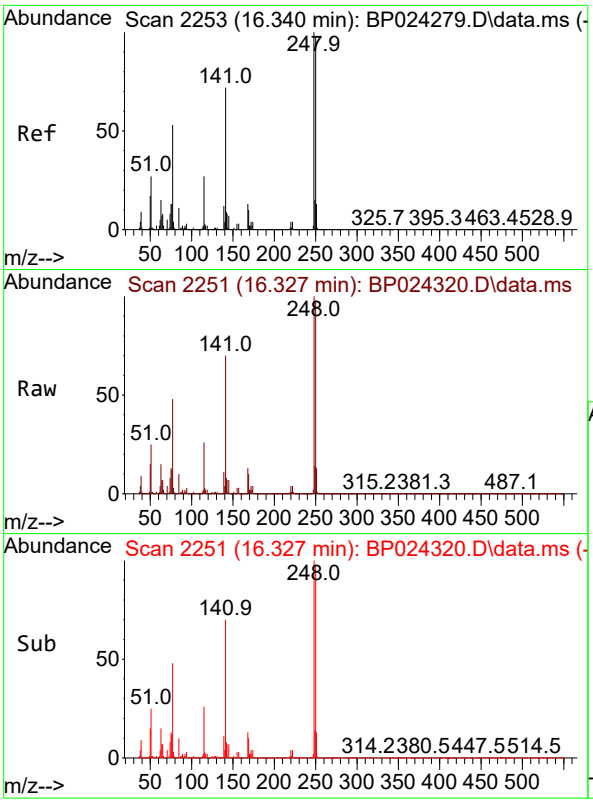


#66
n-Nitrosodiphenylamine
Concen: 39.848 ng
RT: 15.633 min Scan# 2133
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:169 Resp: 2025366

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.1	28.9	43.3

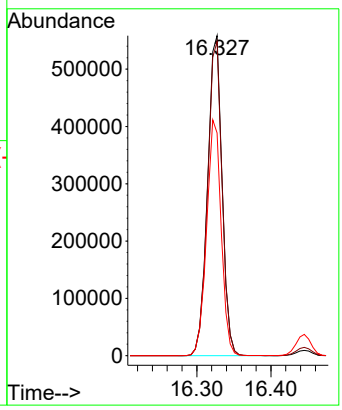




#67
4-Bromophenyl-phenylether
Concen: 40.713 ng
RT: 16.327 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:248 Resp: 75825

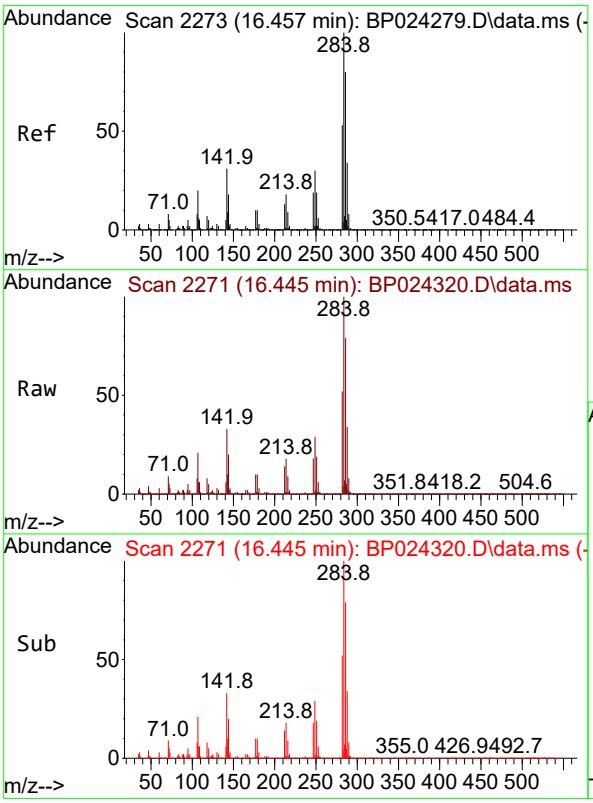
Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.2	117.4
141	69.6	57.7	86.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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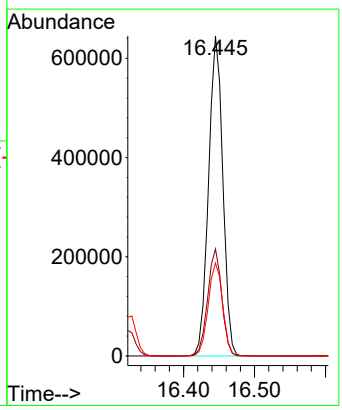
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

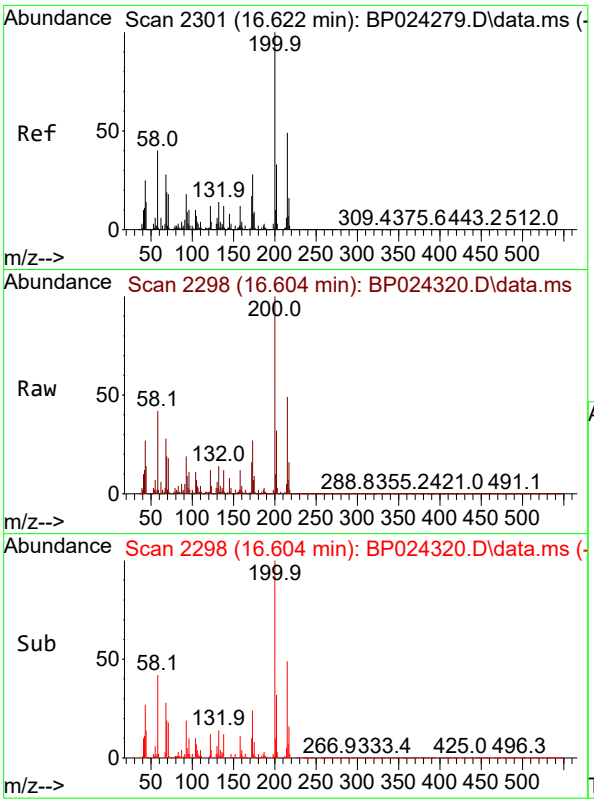


#68
Hexachlorobenzene
Concen: 40.613 ng
RT: 16.445 min Scan# 2271
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:284 Resp: 898806

Ion	Ratio	Lower	Upper
284	100		
142	33.4	24.6	37.0
249	29.0	23.8	35.6

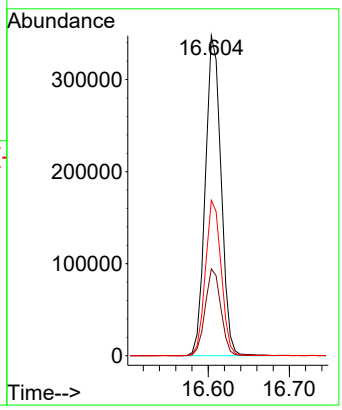




#69
Atrazine
Concen: 36.043 ng
RT: 16.604 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:200 Resp: 46658

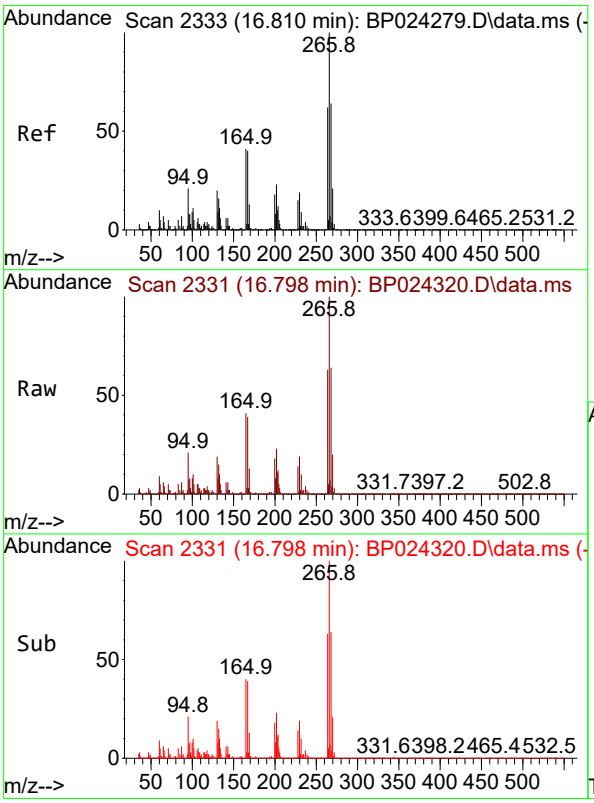
Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.5	47.5
215	48.6	28.8	68.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

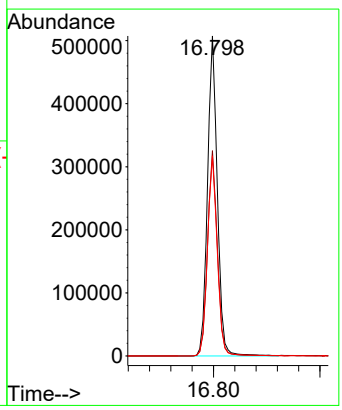
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

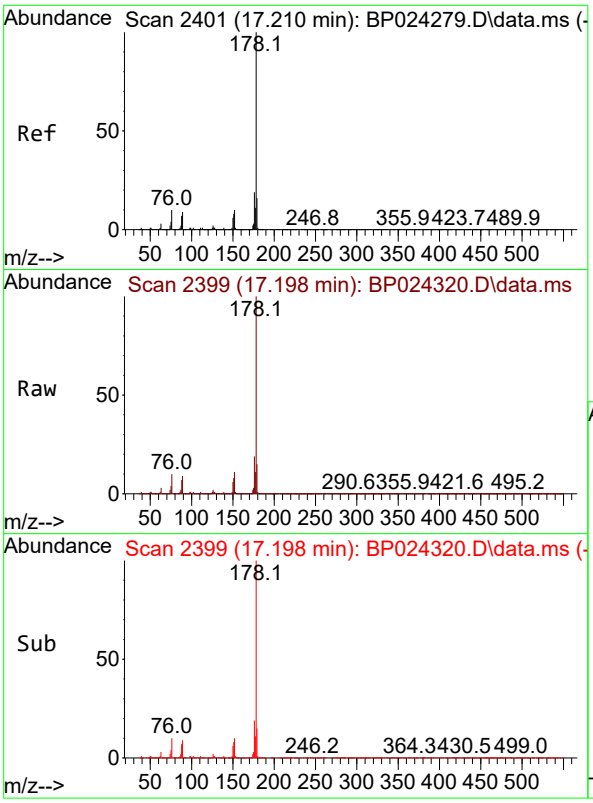


#70
Pentachlorophenol
Concen: 41.869 ng
RT: 16.798 min Scan# 2331
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:266 Resp: 646424

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.6	49.8	74.6





#71
Phenanthrene
Concen: 37.914 ng
RT: 17.198 min Scan# 2
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

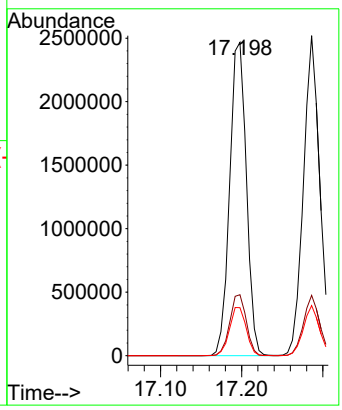
Tgt Ion:178 Resp: 352214

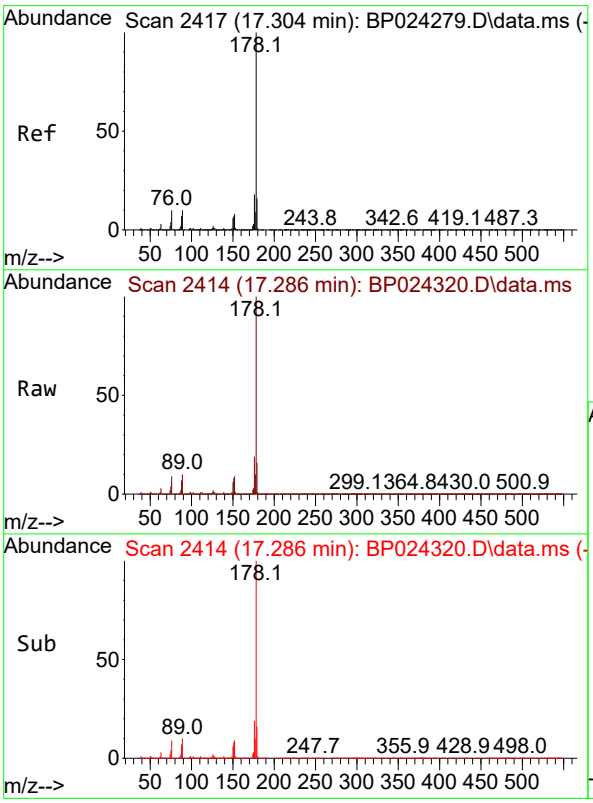
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.5	18.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

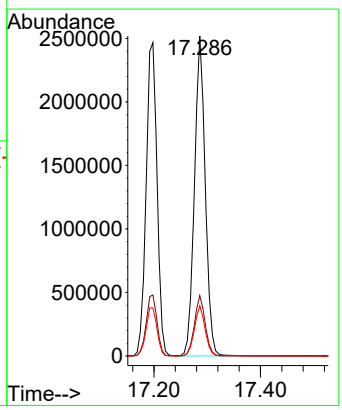


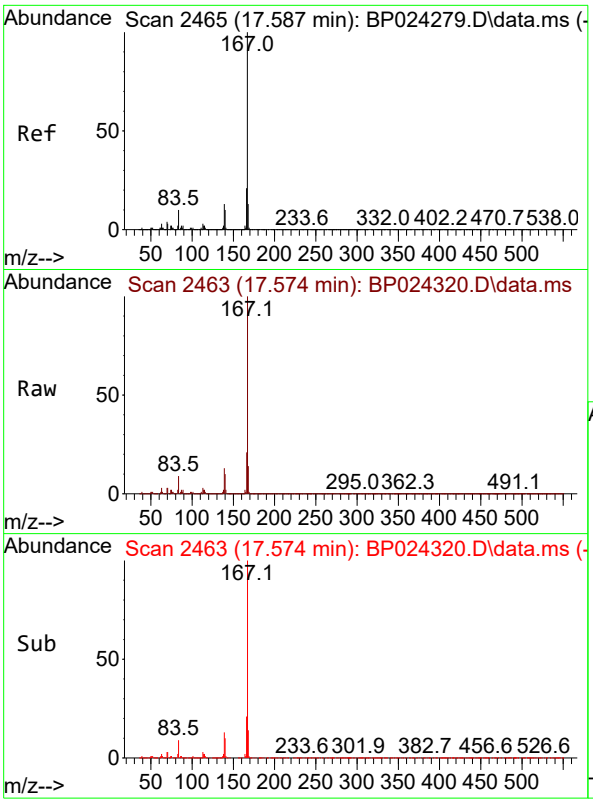


#72
Anthracene
Concen: 39.677 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:178 Resp: 3552441

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.4	18.6

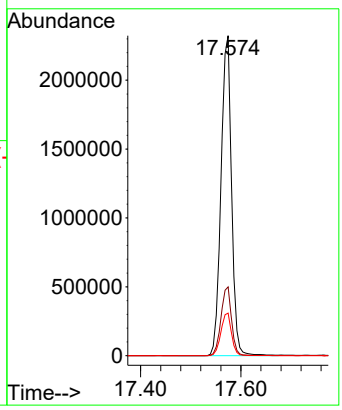




#73
Carbazole
Concen: 38.752 ng
RT: 17.574 min Scan# 24
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:167 Resp: 339010

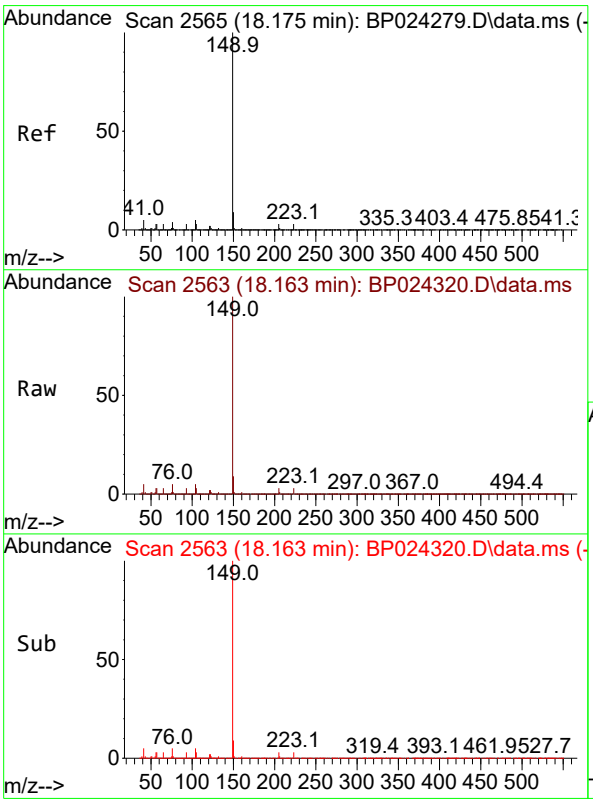
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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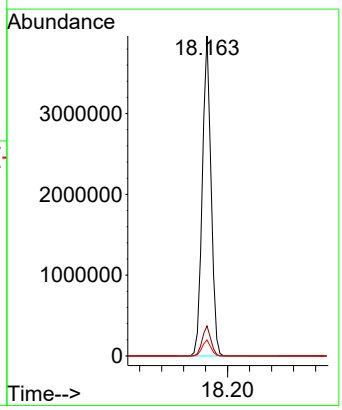
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

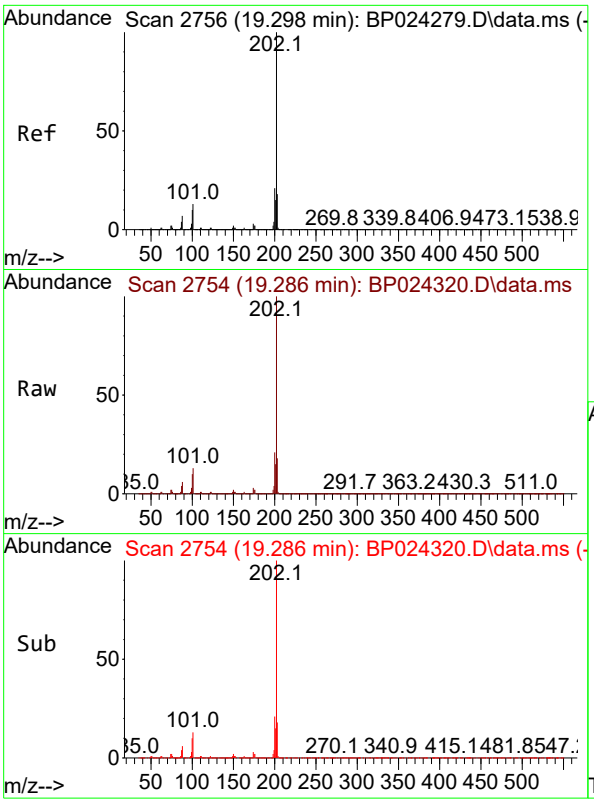


#74
Di-n-butylphthalate
Concen: 40.070 ng
RT: 18.163 min Scan# 2563
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 4367243

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.0	3.9	5.9





#75
Fluoranthene
Concen: 37.908 ng
RT: 19.286 min Scan# 2
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

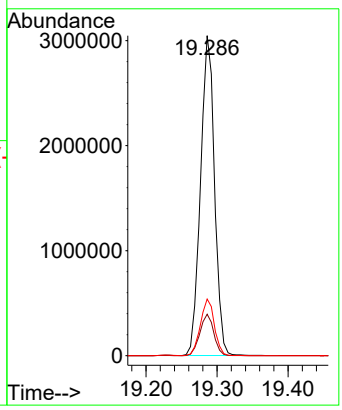
Tgt Ion:202 Resp: 418831

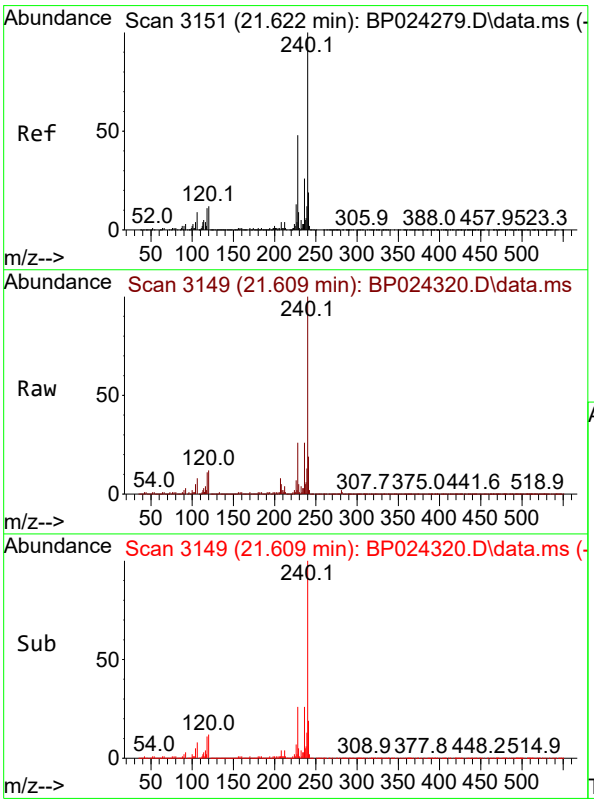
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.7	0.0	37.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

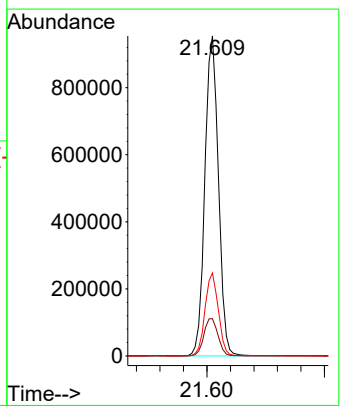


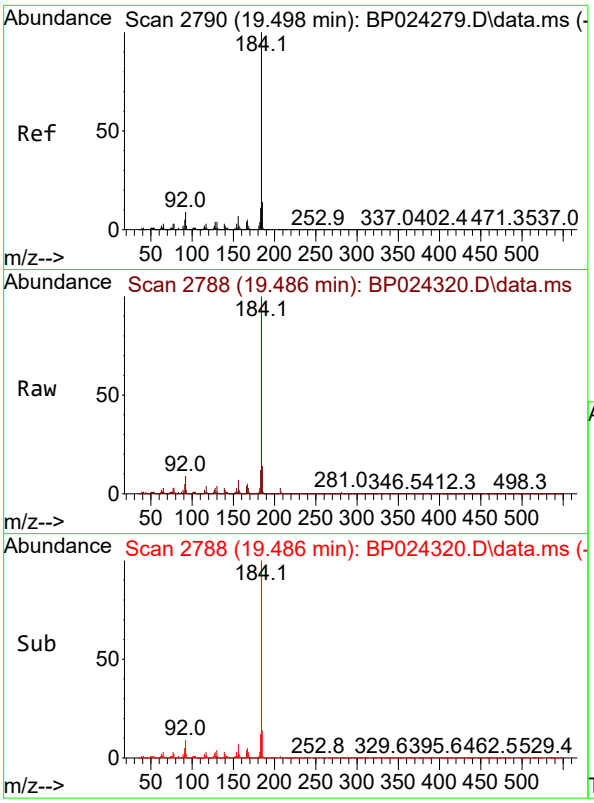


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.609 min Scan# 3149
Delta R.T. -0.012 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:240 Resp: 1526868

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	26.0	20.9	31.3

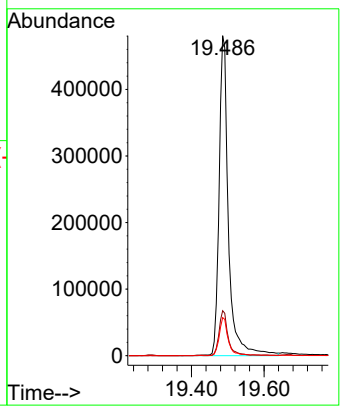




#77
Benzidine
Concen: 44.305 ng
RT: 19.486 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:184 Resp: 85750

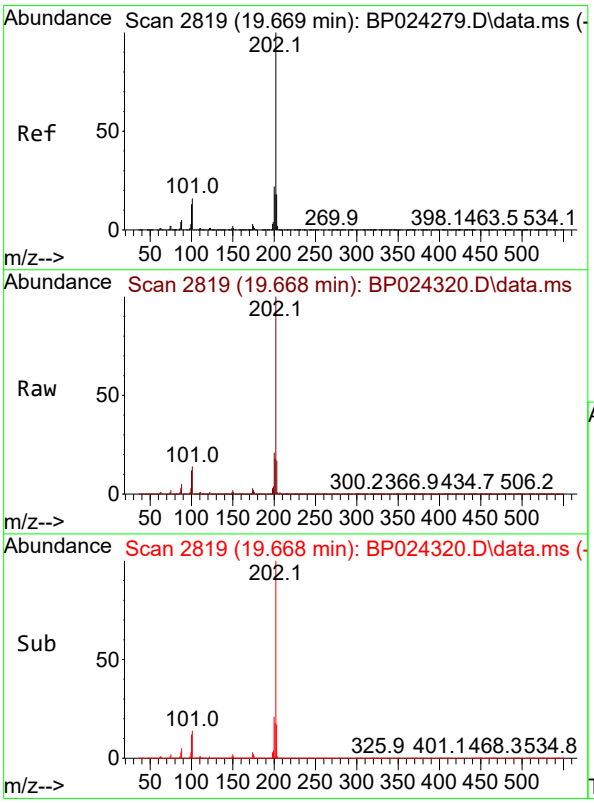
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.9	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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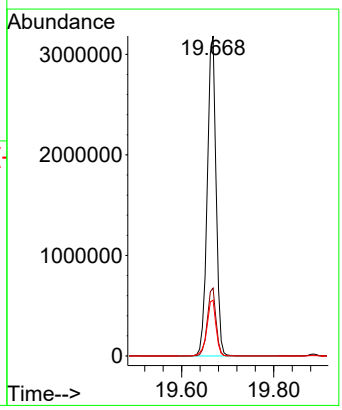
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

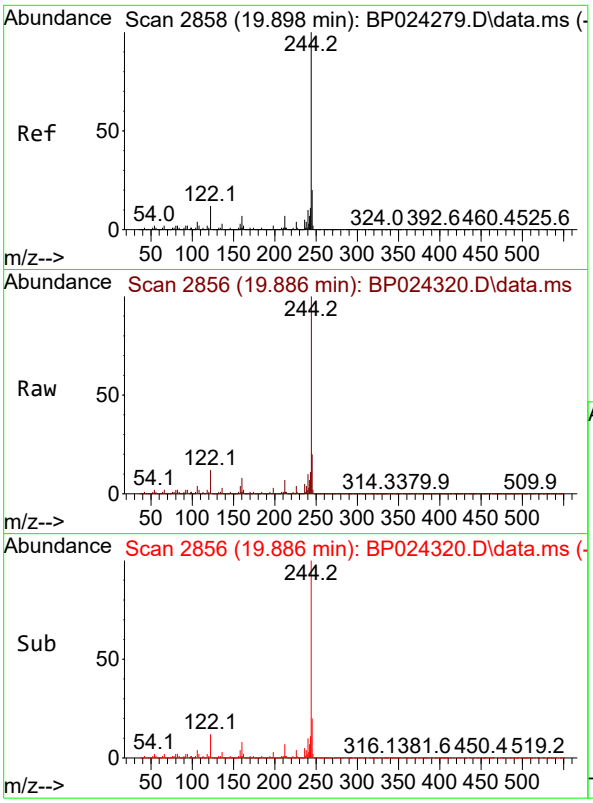


#78
Pyrene
Concen: 43.721 ng
RT: 19.668 min Scan# 2819
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:202 Resp: 4242468

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.4	14.4	21.6





#79
Terphenyl-d14
Concen: 86.126 ng
RT: 19.886 min Scan# 2
Delta R.T. -0.036 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

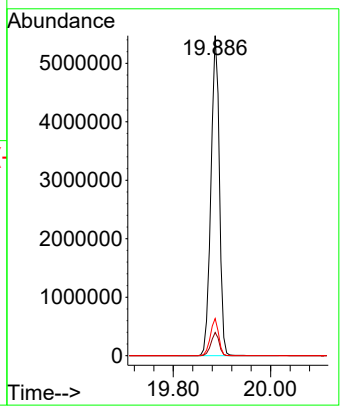
Tgt Ion:244 Resp: 652413

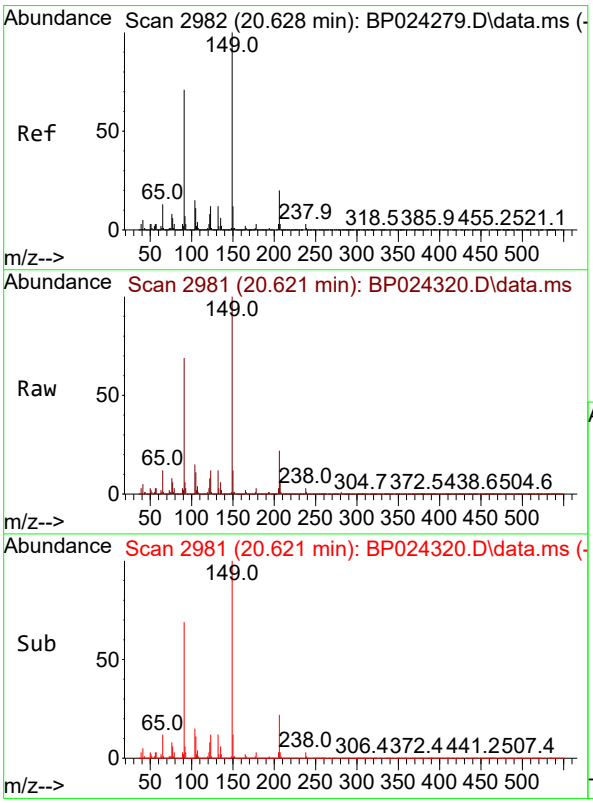
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.6	9.4	14.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

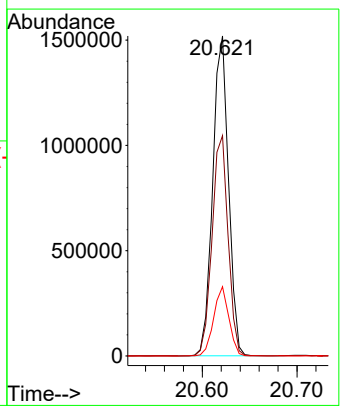


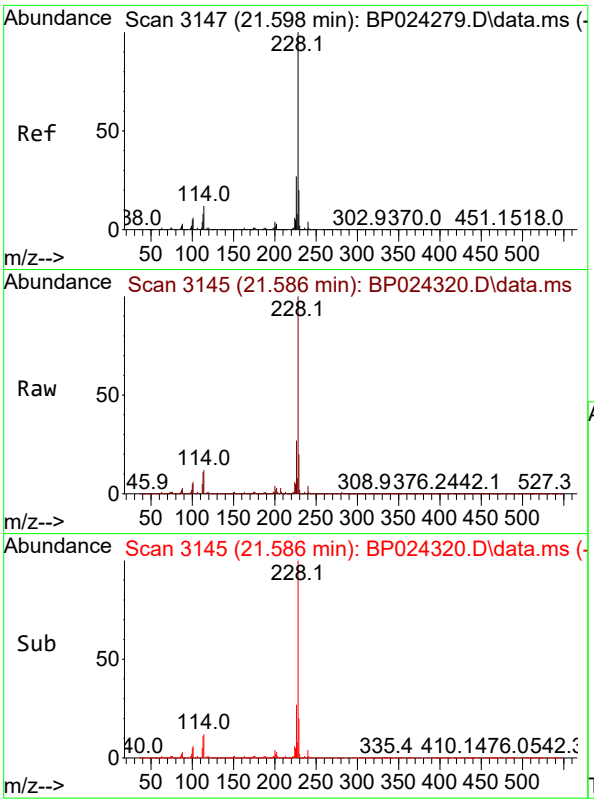


#80
Butylbenzylphthalate
Concen: 42.411 ng
RT: 20.621 min Scan# 2981
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 1762704

Ion	Ratio	Lower	Upper
149	100		
91	68.9	56.4	84.6
206	21.6	16.3	24.5

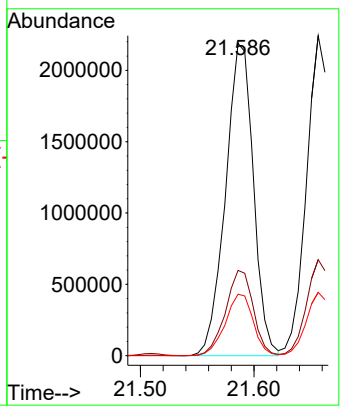




#81
Benzo(a)anthracene
Concen: 39.316 ng
RT: 21.586 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:228 Resp: 373123

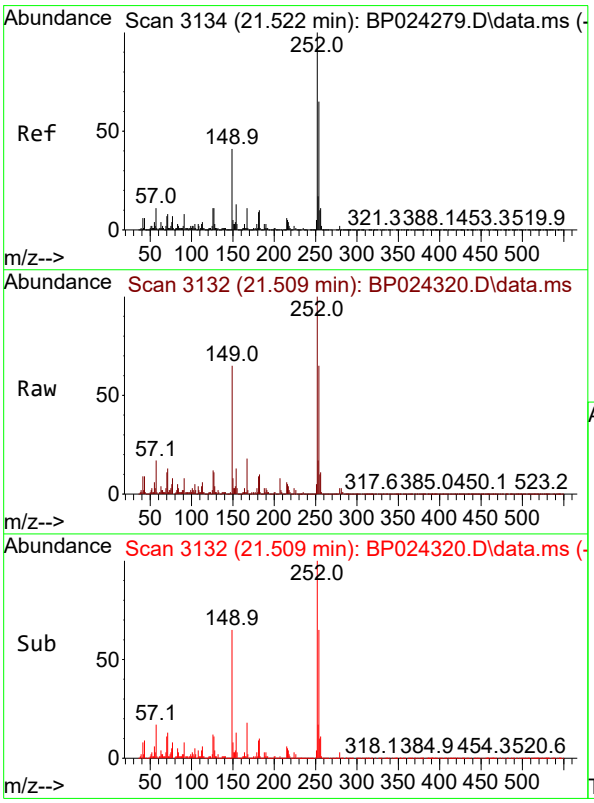
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

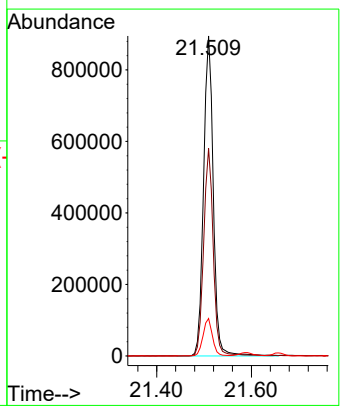
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

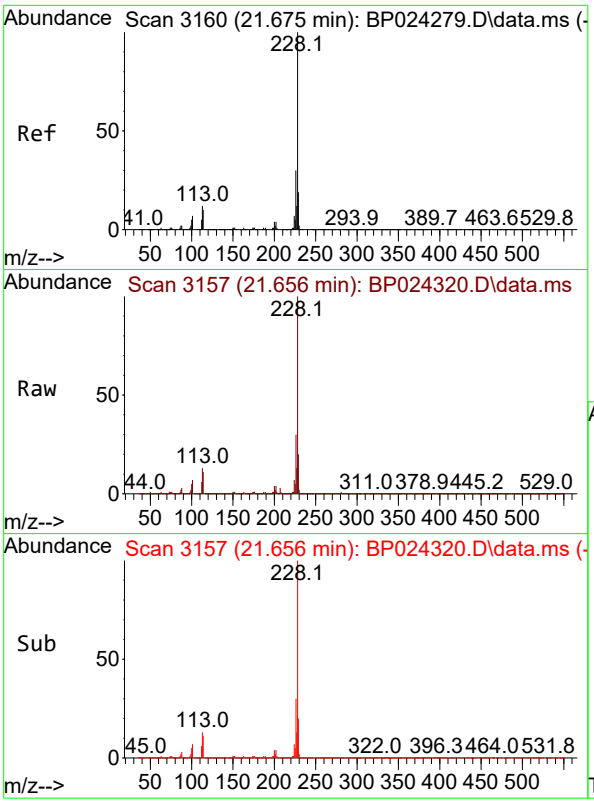


#82
3,3'-Dichlorobenzidine
Concen: 38.110 ng
RT: 21.509 min Scan# 3132
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:252 Resp: 1269468

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.7	77.5
126	11.7	8.8	13.2

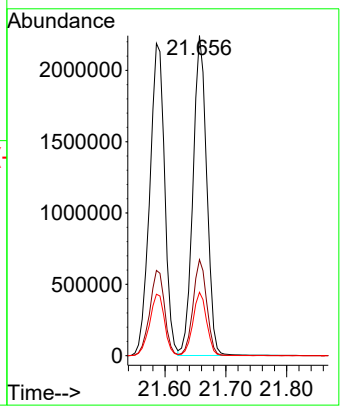




#83
Chrysene
Concen: 38.613 ng
RT: 21.656 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

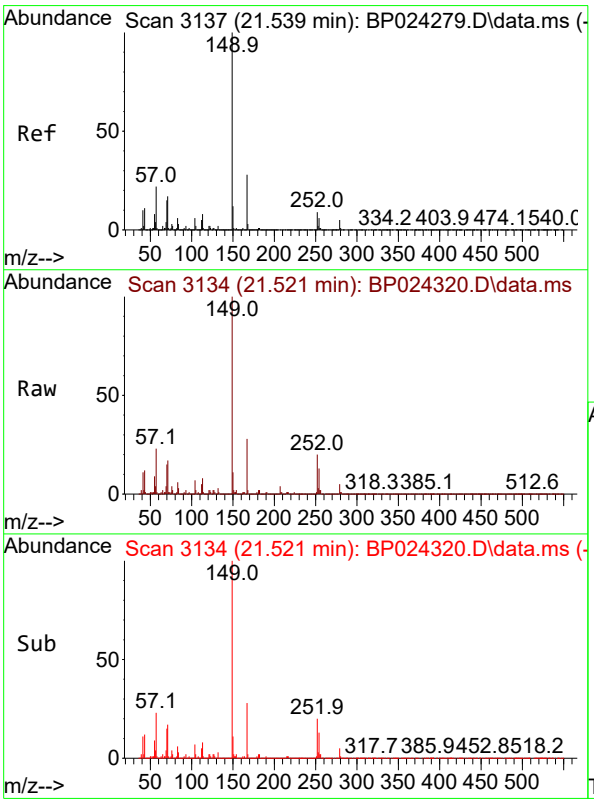
Tgt Ion:228 Resp: 351080

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

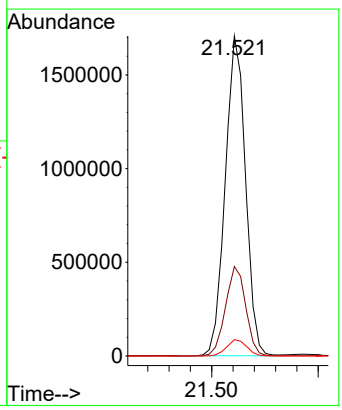
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

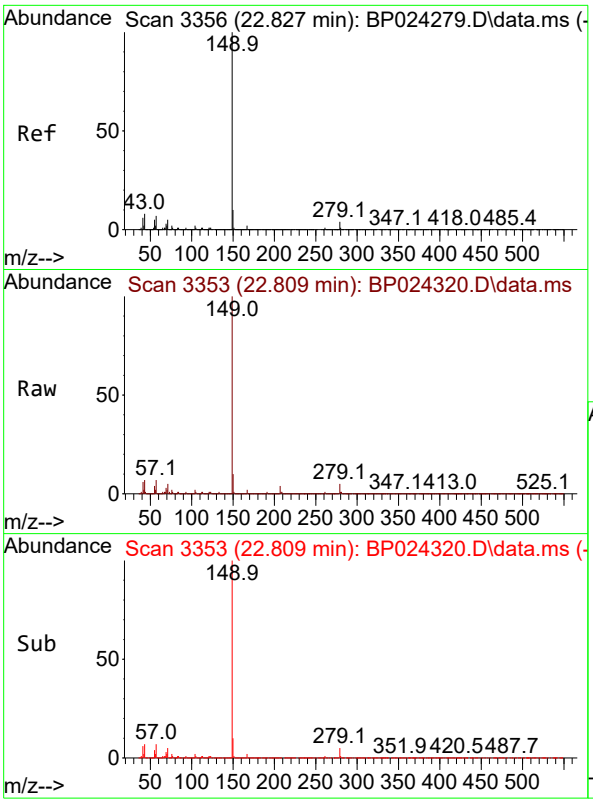


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.004 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 2254612

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.4	33.6
279	5.1	4.0	6.0

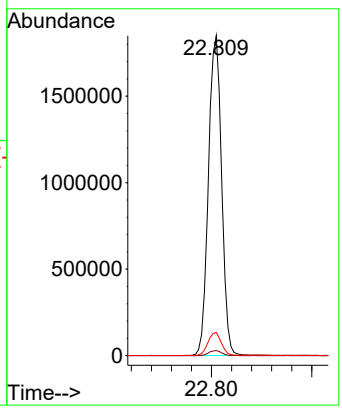




#85
Di-n-octyl phthalate
Concen: 34.068 ng
RT: 22.809 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:149 Resp: 337450

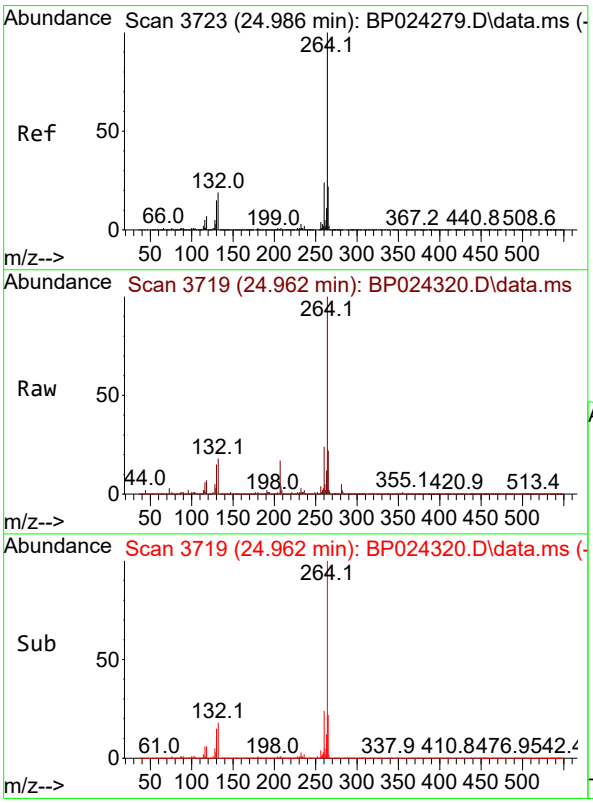
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.0	9.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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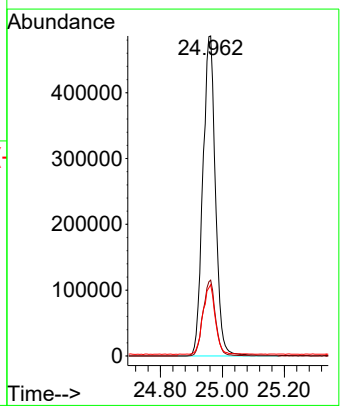
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

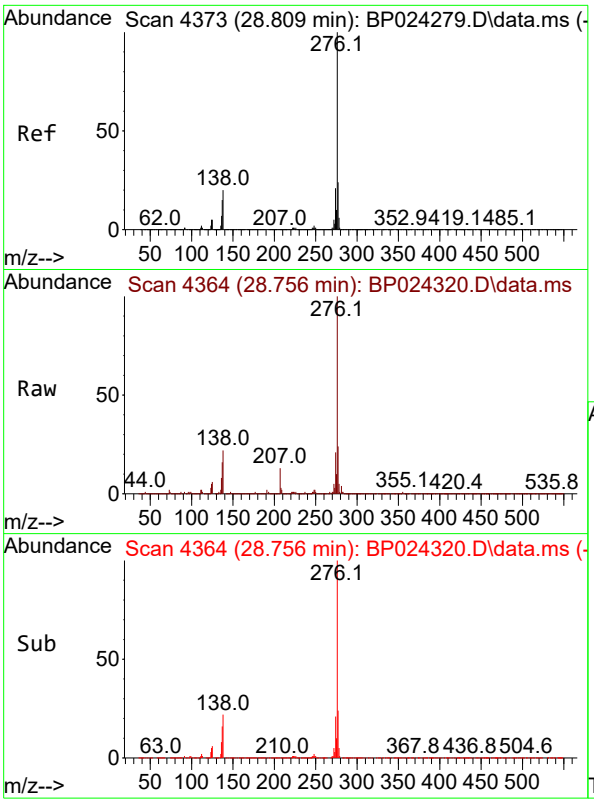


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.962 min Scan# 3719
Delta R.T. -0.024 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:264 Resp: 1367817

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.3	17.8	26.6

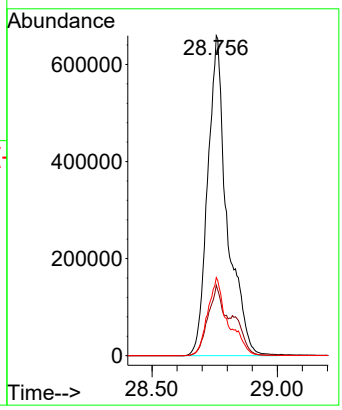




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.391 ng
RT: 28.756 min Scan# 4
Delta R.T. -0.059 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:276 Resp: 355063

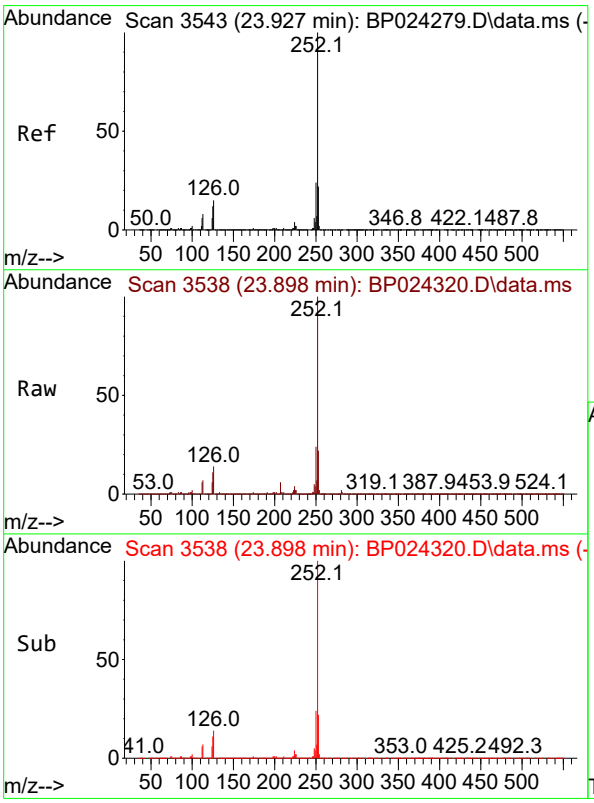
Ion	Ratio	Lower	Upper
276	100		
138	19.4	14.5	21.7
277	25.4	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

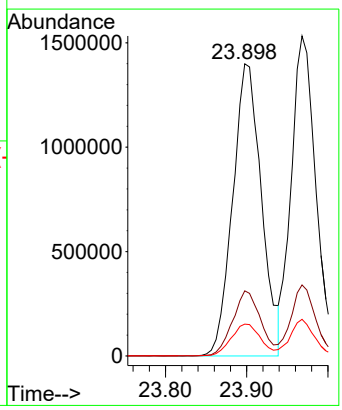
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

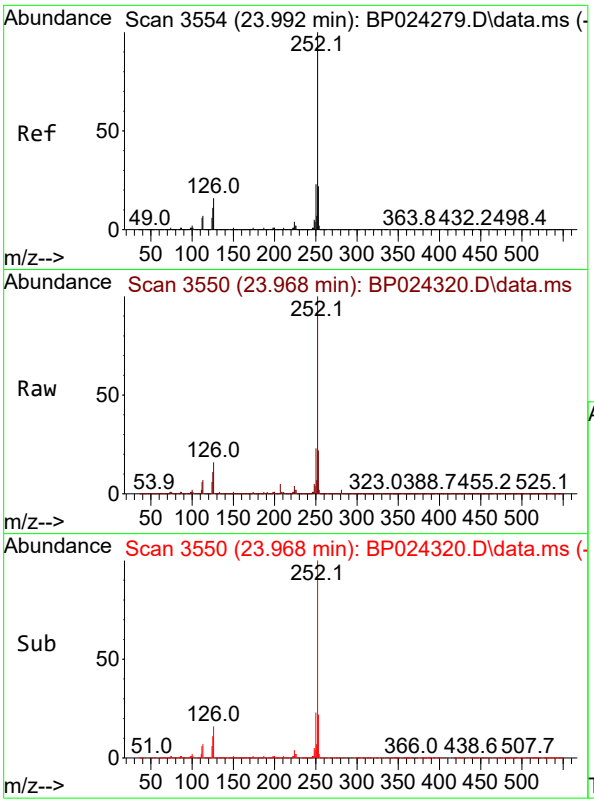


#88
Benzo(b)fluoranthene
Concen: 42.058 ng
RT: 23.898 min Scan# 3538
Delta R.T. -0.036 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:252 Resp: 3448271

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.9	9.4	14.0

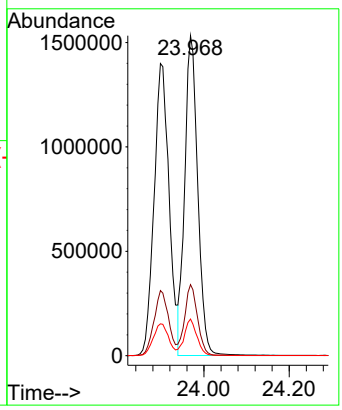




#89
Benzo(k)fluoranthene
Concen: 40.916 ng
RT: 23.968 min Scan# 3
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:252 Resp: 324034

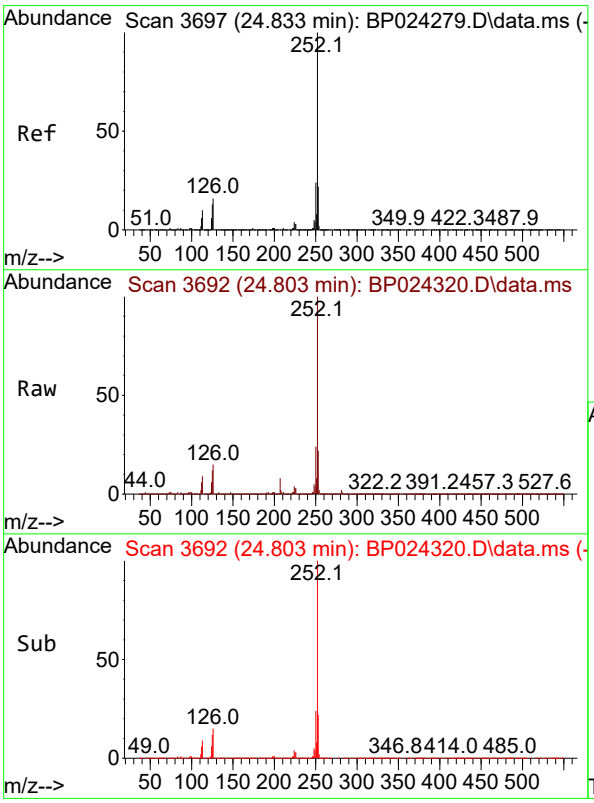
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.5	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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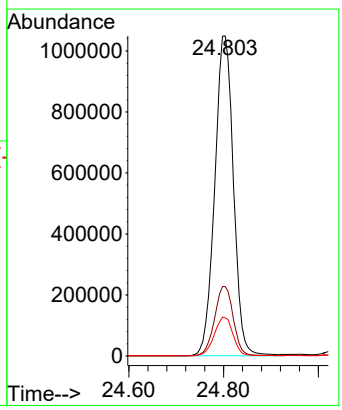
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

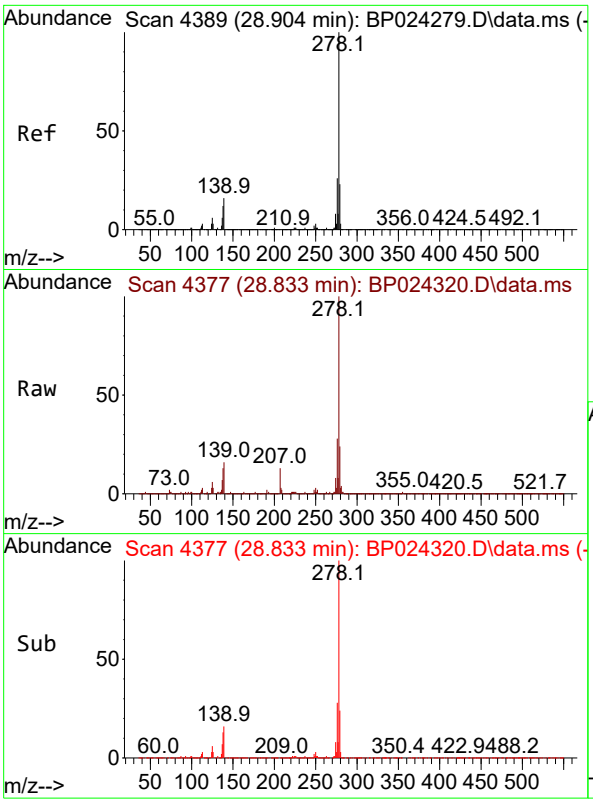


#90
Benzo(a)pyrene
Concen: 40.629 ng
RT: 24.803 min Scan# 3692
Delta R.T. -0.030 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:252 Resp: 2873369

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.9	10.1	15.1

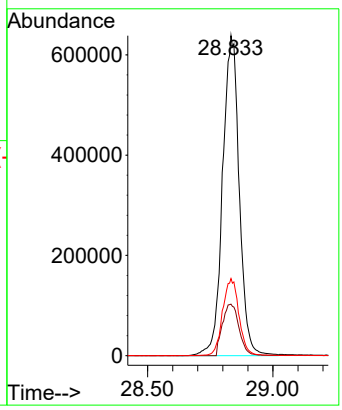




#91
Dibenzo(a,h)anthracene
Concen: 37.367 ng
RT: 28.833 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:278 Resp: 294522

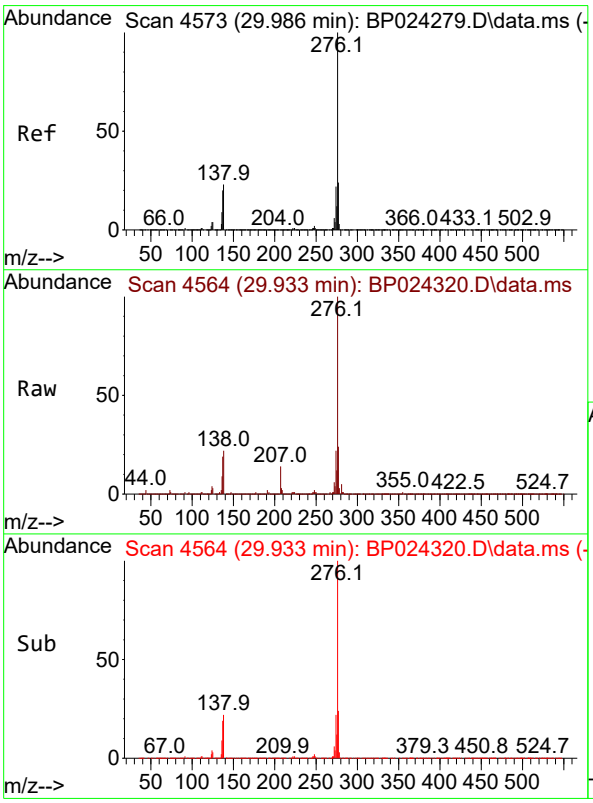
Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.6	19.0
279	24.1	18.5	27.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

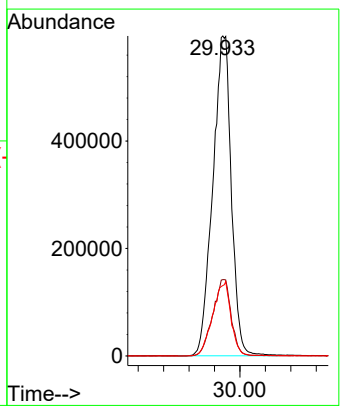
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#92
Benzo(g,h,i)perylene
Concen: 37.541 ng
RT: 29.933 min Scan# 4564
Delta R.T. -0.065 min
Lab File: BP024320.D
Acq: 17 Apr 2025 10:30

Tgt Ion:276 Resp: 3011818

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	22.0	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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	123	0.00
2		1,4-Dioxane	0.512	0.500	2.3	120	0.00
3		Pyridine	1.351	1.302	3.6	115	0.00
4		n-Nitrosodimethylamine	0.448	0.468	-4.5	126	0.00
5	S	2-Fluorophenol	1.210	1.207	0.2	119	0.00
6		Aniline	1.480	1.495	-1.0	116	0.00
7	S	Phenol-d6	1.656	1.673	-1.0	118	0.00
8		2-Chlorophenol	1.350	1.334	1.2	118	0.00
9		Benzaldehyde	0.819	0.990	-20.9	146	0.00
10	C	Phenol	1.661	1.671	-0.6	118	0.00
11		bis(2-Chloroethyl)ether	1.339	1.310	2.2	115	0.00
12		1,3-Dichlorobenzene	1.454	1.400	3.7	116	0.00
13	C	1,4-Dichlorobenzene	1.475	1.420	3.7	117	0.00
14		1,2-Dichlorobenzene	1.424	1.373	3.6	117	0.00
15		Benzyl Alcohol	1.071	1.155	-7.8	123	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.450	-0.2	118	-0.01
17		2-Methylphenol	1.075	1.109	-3.2	120	0.00
18		Hexachloroethane	0.533	0.525	1.5	119	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	1.074	-4.8	122	0.00
20		3+4-Methylphenols	1.491	1.554	-4.2	120	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	127	0.00
22		Acetophenone	0.495	0.486	1.8	119	0.00
23	S	Nitrobenzene-d5	0.351	0.352	-0.3	121	0.00
24		Nitrobenzene	0.347	0.345	0.6	120	0.00
25		Isophorone	0.635	0.650	-2.4	123	0.00
26	C	2-Nitrophenol	0.170	0.182	-7.1	126	-0.01
27		2,4-Dimethylphenol	0.213	0.216	-1.4	122	-0.01
28		bis(2-Chloroethoxy)methane	0.429	0.423	1.4	119	-0.01
29	C	2,4-Dichlorophenol	0.291	0.297	-2.1	122	0.00
30		1,2,4-Trichlorobenzene	0.311	0.306	1.6	121	0.00
31		Naphthalene	1.054	1.021	3.1	120	0.00
32		Benzoic acid	0.248	0.272	-9.7	143	-0.02
33		4-Chloroaniline	0.371	0.384	-3.5	123	-0.01
34	C	Hexachlorobutadiene	0.183	0.182	0.5	123	0.00
35		Caprolactam	0.107	0.112	-4.7	127	-0.02
36	C	4-Chloro-3-methylphenol	0.339	0.359	-5.9	128	-0.02
37		2-Methylnaphthalene	0.731	0.732	-0.1	123	-0.01
38		1-Methylnaphthalene	0.715	0.720	-0.7	125	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	134	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.550	0.532	3.3	124	-0.02
41	P	Hexachlorocyclopentadiene	0.195	0.198	-1.5	122	-0.02
42	S	2,4,6-Tribromophenol	0.277	0.282	-1.8	131	-0.03
43	C	2,4,6-Trichlorophenol	0.366	0.370	-1.1	128	-0.01
44		2,4,5-Trichlorophenol	0.405	0.410	-1.2	128	-0.02
45	S	2-Fluorobiphenyl	1.306	1.257	3.8	123	-0.02
46		1,1'-Biphenyl	1.470	1.426	3.0	125	-0.02
47		2-Chloronaphthalene	1.099	1.062	3.4	125	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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	0.308	0.323	-4.9	131	-0.02
49		Acenaphthylene	1.730	1.702	1.6	126	-0.02
50		Dimethylphthalate	1.454	1.428	1.8	128	-0.02
51		2,6-Dinitrotoluene	0.309	0.315	-1.9	130	-0.02
52	C	Acenaphthene	1.097	1.062	3.2	126	-0.02
53		3-Nitroaniline	0.325	0.329	-1.2	125	-0.02
54	P	2,4-Dinitrophenol	0.182	0.185	-1.6	133	-0.02
55		Dibenzofuran	1.793	1.735	3.2	127	-0.02
56	P	4-Nitrophenol	0.280	0.283	-1.1	124	-0.02
57		2,4-Dinitrotoluene	0.421	0.436	-3.6	130	-0.02
58		Fluorene	1.388	1.357	2.2	130	-0.02
59		2,3,4,6-Tetrachlorophenol	0.373	0.370	0.8	127	-0.02
60		Diethylphthalate	1.499	1.463	2.4	126	-0.03
61		4-Chlorophenyl-phenylether	0.674	0.662	1.8	130	-0.03
62		4-Nitroaniline	0.344	0.346	-0.6	126	-0.02
63		Azobenzene	1.378	1.375	0.2	129	-0.04
64	I	Phenanthrene-d10	1.000	1.000	0.0	133	-0.02
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	132	-0.02
66	c	n-Nitrosodiphenylamine	0.597	0.595	0.3	126	-0.02
67		4-Bromophenyl-phenylether	0.219	0.223	-1.8	129	-0.02
68		Hexachlorobenzene	0.260	0.264	-1.5	130	-0.02
69		Atrazine	0.152	0.137	9.9	151#	-0.02
70	C	Pentachlorophenol	0.181	0.190	-5.0	129	-0.03
71		Phenanthrene	1.091	1.034	5.2	122	-0.03
72		Anthracene	1.052	1.043	0.9	125	-0.03
73		Carbazole	1.027	0.995	3.1	122	-0.03
74		Di-n-butylphthalate	1.280	1.282	-0.2	122	-0.03
75	C	Fluoranthene	1.298	1.230	5.2	122	-0.03
76	I	Chrysene-d12	1.000	1.000	0.0	113	-0.01
77		Benzidine	0.254	0.281	-10.6	73	-0.02
78		Pyrene	1.271	1.389	-9.3	120	-0.02
79	S	Terphenyl-d14	0.992	1.068	-7.7	117	-0.04
80		Butylbenzylphthalate	0.544	0.577	-6.1	110	-0.02
81		Benzo(a)anthracene	1.243	1.222	1.7	107	-0.02
82		3,3'-Dichlorobenzidine	0.436	0.416	4.6	97	-0.03
83		Chrysene	1.191	1.150	3.4	107	-0.02
84		Bis(2-ethylhexyl)phthalate	0.798	0.738	7.5	93	-0.02
85	c	Di-n-octyl phthalate	1.297	1.105	14.8	86	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	92	-0.02
87		Indeno(1,2,3-cd)pyrene	1.388	1.298	6.5	83	-0.06
88		Benzo(b)fluoranthene	1.199	1.261	-5.2	92	-0.04
89		Benzo(k)fluoranthene	1.158	1.184	-2.2	90	-0.03
90	C	Benzo(a)pyrene	1.034	1.050	-1.5	89	-0.03
91		Dibenzo(a,h)anthracene	1.152	1.077	6.5	82	-0.05
92		Benzo(g,h,i)perylene	1.173	1.101	6.1	83	-0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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	123	0.00
2		1,4-Dioxane	40.000	39.127	2.2	120	0.00
3		Pyridine	40.000	38.560	3.6	115	0.00
4		n-Nitrosodimethylamine	40.000	41.785	-4.5	126	0.00
5	S	2-Fluorophenol	80.000	79.849	0.2	119	0.00
6		Aniline	40.000	40.398	-1.0	116	0.00
7	S	Phenol-d6	80.000	80.815	-1.0	118	0.00
8		2-Chlorophenol	40.000	39.525	1.2	118	0.00
9		Benzaldehyde	40.000	48.331	-20.8	146	0.00
10	C	Phenol	40.000	40.231	-0.6	118	0.00
11		bis(2-Chloroethyl)ether	40.000	39.133	2.2	115	0.00
12		1,3-Dichlorobenzene	40.000	38.519	3.7	116	0.00
13	C	1,4-Dichlorobenzene	40.000	38.512	3.7	117	0.00
14		1,2-Dichlorobenzene	40.000	38.546	3.6	117	0.00
15		Benzyl Alcohol	40.000	43.149	-7.9	123	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.074	-0.2	118	-0.01
17		2-Methylphenol	40.000	41.265	-3.2	120	0.00
18		Hexachloroethane	40.000	39.362	1.6	119	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.945	-4.9	122	0.00
20		3+4-Methylphenols	40.000	41.680	-4.2	120	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	127	0.00
22		Acetophenone	40.000	39.275	1.8	119	0.00
23	S	Nitrobenzene-d5	80.000	80.222	-0.3	121	0.00
24		Nitrobenzene	40.000	39.810	0.5	120	0.00
25		Isophorone	40.000	40.971	-2.4	123	0.00
26	C	2-Nitrophenol	40.000	42.822	-7.1	126	-0.01
27		2,4-Dimethylphenol	40.000	40.604	-1.5	122	-0.01
28		bis(2-Chloroethoxy)methane	40.000	39.481	1.3	119	-0.01
29	C	2,4-Dichlorophenol	40.000	40.829	-2.1	122	0.00
30		1,2,4-Trichlorobenzene	40.000	39.336	1.7	121	0.00
31		Naphthalene	40.000	38.783	3.0	120	0.00
32		Benzoic acid	40.000	43.759	-9.4	143	-0.02
33		4-Chloroaniline	40.000	41.360	-3.4	123	-0.01
34	C	Hexachlorobutadiene	40.000	39.760	0.6	123	0.00
35		Caprolactam	40.000	41.696	-4.2	127	-0.02
36	C	4-Chloro-3-methylphenol	40.000	42.443	-6.1	128	-0.02
37		2-Methylnaphthalene	40.000	40.072	-0.2	123	-0.01
38		1-Methylnaphthalene	40.000	40.297	-0.7	125	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	134	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	38.659	3.4	124	-0.02
41	P	Hexachlorocyclopentadiene	40.000	40.713	-1.8	122	-0.02
42	S	2,4,6-Tribromophenol	80.000	81.408	-1.8	131	-0.03
43	C	2,4,6-Trichlorophenol	40.000	40.507	-1.3	128	-0.01
44		2,4,5-Trichlorophenol	40.000	40.463	-1.2	128	-0.02
45	S	2-Fluorobiphenyl	80.000	76.978	3.8	123	-0.02
46		1,1'-Biphenyl	40.000	38.813	3.0	125	-0.02
47		2-Chloronaphthalene	40.000	38.660	3.4	125	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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	41.935	-4.8	131	-0.02
49		Acenaphthylene	40.000	39.357	1.6	126	-0.02
50		Dimethylphthalate	40.000	39.269	1.8	128	-0.02
51		2,6-Dinitrotoluene	40.000	40.755	-1.9	130	-0.02
52	C	Acenaphthene	40.000	38.741	3.1	126	-0.02
53		3-Nitroaniline	40.000	40.596	-1.5	125	-0.02
54	P	2,4-Dinitrophenol	40.000	40.612	-1.5	133	-0.02
55		Dibenzofuran	40.000	38.705	3.2	127	-0.02
56	P	4-Nitrophenol	40.000	40.410	-1.0	124	-0.02
57		2,4-Dinitrotoluene	40.000	41.354	-3.4	130	-0.02
58		Fluorene	40.000	39.102	2.2	130	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	39.593	1.0	127	-0.02
60		Diethylphthalate	40.000	39.045	2.4	126	-0.03
61		4-Chlorophenyl-phenylether	40.000	39.321	1.7	130	-0.03
62		4-Nitroaniline	40.000	40.328	-0.8	126	-0.02
63		Azobenzene	40.000	39.931	0.2	129	-0.04
64	I	Phenanthrene-d10	20.000	20.000	0.0	133	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	41.077	-2.7	132	-0.02
66	c	n-Nitrosodiphenylamine	40.000	39.848	0.4	126	-0.02
67		4-Bromophenyl-phenylether	40.000	40.713	-1.8	129	-0.02
68		Hexachlorobenzene	40.000	40.613	-1.5	130	-0.02
69		Atrazine	40.000	36.043	9.9	151	-0.02
70	C	Pentachlorophenol	40.000	41.869	-4.7	129	-0.03
71		Phenanthrene	40.000	37.914	5.2	122	-0.03
72		Anthracene	40.000	39.677	0.8	125	-0.03
73		Carbazole	40.000	38.752	3.1	122	-0.03
74		Di-n-butylphthalate	40.000	40.070	-0.2	122	-0.03
75	C	Fluoranthene	40.000	37.908	5.2	122	-0.03
76	I	Chrysene-d12	20.000	20.000	0.0	113	-0.01
77		Benzidine	40.000	44.305	-10.8	73	-0.02
78		Pyrene	40.000	43.721	-9.3	120	-0.02
79	S	Terphenyl-d14	80.000	86.126	-7.7	117	-0.04
80		Butylbenzylphthalate	40.000	42.411	-6.0	110	-0.02
81		Benzo(a)anthracene	40.000	39.316	1.7	107	-0.02
82		3,3'-Dichlorobenzidine	40.000	38.110	4.7	97	-0.03
83		Chrysene	40.000	38.613	3.5	107	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	37.004	7.5	93	-0.02
85	c	Di-n-octyl phthalate	40.000	34.068	14.8	86	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	92	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.391	6.5	83	-0.06
88		Benzo(b)fluoranthene	40.000	42.058	-5.1	92	-0.04
89		Benzo(k)fluoranthene	40.000	40.916	-2.3	90	-0.03
90	C	Benzo(a)pyrene	40.000	40.629	-1.6	89	-0.03
91		Dibenzo(a,h)anthracene	40.000	37.367	6.6	82	-0.05
92		Benzo(g,h,i)perylene	40.000	37.541	6.1	83	-0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024320.D
Acq On : 17 Apr 2025 10:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 17 11:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 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

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: JACO05

Lab Code: CHEM Case No.: Q1812 SAS No.: Q1812 SDG No.: Q1812

Instrument ID: BNA_P Calibration Date/Time: 04/18/2025 11:13

Lab File ID: BP024337.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.223		1.1	
Benzaldehyde	0.819	0.884		7.9	
Phenol-d6	1.656	1.600		-3.4	
Phenol	1.661	1.587		-4.5	20.0
bis(2-Chloroethyl)ether	1.339	1.287		-3.9	
2-Chlorophenol	1.350	1.315		-2.6	
2-Methylphenol	1.075	1.040		-3.3	
2,2-oxybis(1-Chloropropane)	1.447	1.361		-5.9	
Acetophenone	0.495	0.487		-1.6	
3+4-Methylphenols	1.491	1.432		-4.0	
n-Nitroso-di-n-propylamine	1.025	0.947	0.050	-7.6	
Nitrobenzene-d5	0.351	0.353		0.6	
Hexachloroethane	0.533	0.527		-1.1	
Nitrobenzene	0.347	0.346		-0.3	
Isophorone	0.635	0.613		-3.5	
2-Nitrophenol	0.170	0.176		3.5	20.0
2,4-Dimethylphenol	0.213	0.210		-1.4	
bis(2-Chloroethoxy)methane	0.429	0.406		-5.4	
2,4-Dichlorophenol	0.291	0.292		0.3	20.0
Naphthalene	1.054	1.035		-1.8	
4-Chloroaniline	0.371	0.360		-3.0	
Hexachlorobutadiene	0.183	0.186		1.6	20.0
Caprolactam	0.107	0.106		-0.9	
4-Chloro-3-methylphenol	0.339	0.332		-2.1	20.0
2-Methylnaphthalene	0.731	0.692		-5.3	
Hexachlorocyclopentadiene	0.195	0.205	0.050	5.1	
2,4,6-Trichlorophenol	0.366	0.374		2.2	20.0
2-Fluorobiphenyl	1.306	1.287		-1.5	
2,4,5-Trichlorophenol	0.405	0.410		1.2	
1,1-Biphenyl	1.470	1.449		-1.4	
2-Chloronaphthalene	1.099	1.088		-1.0	
2-Nitroaniline	0.308	0.327		6.2	
Dimethylphthalate	1.454	1.439		-1.0	
Acenaphthylene	1.730	1.744		0.8	
2,6-Dinitrotoluene	0.309	0.313		1.3	
3-Nitroaniline	0.325	0.333		2.5	
Acenaphthene	1.097	1.068		-2.6	20.0
2,4-Dinitrophenol	0.182	0.180	0.050	-1.1	
4-Nitrophenol	0.280	0.287	0.050	2.5	

Form VII SV-1

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: JACO05

Lab Code: CHEM Case No.: Q1812 SAS No.: Q1812 SDG No.: Q1812

Instrument ID: BNA_P Calibration Date/Time: 04/18/2025 11:13

Lab File ID: BP024337.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.728		-3.6	
2,4-Dinitrotoluene	0.421	0.436		3.6	
Diethylphthalate	1.499	1.480		-1.3	
4-Chlorophenyl-phenylether	0.674	0.658		-2.4	
Fluorene	1.388	1.355		-2.4	
4-Nitroaniline	0.344	0.365		6.1	
4,6-Dinitro-2-methylphenol	0.126	0.125		-0.8	
n-Nitrosodiphenylamine	0.597	0.586		-1.8	20.0
2,4,6-Tribromophenol	0.277	0.283		2.2	
4-Bromophenyl-phenylether	0.219	0.216		-1.4	
Hexachlorobenzene	0.260	0.261		0.4	
Atrazine	0.152	0.141		-7.2	
Pentachlorophenol	0.181	0.185		2.2	20.0
Phenanthrene	1.091	1.048		-3.9	
Anthracene	1.052	1.047		-0.5	
Carbazole	1.027	1.040		1.3	
Di-n-butylphthalate	1.280	1.299		1.5	
Fluoranthene	1.298	1.292		-0.5	20.0
Pyrene	1.271	1.201		-5.5	
Terphenyl-d14	0.992	0.960		-3.2	
Butylbenzylphthalate	0.544	0.556		2.2	
3,3-Dichlorobenzidine	0.436	0.452		3.7	
Benzo(a)anthracene	1.243	1.226		-1.4	
Chrysene	1.191	1.175		-1.3	
Bis(2-ethylhexyl)phthalate	0.798	0.804		0.8	
Di-n-octyl phthalate	1.297	1.380		6.4	20.0
Benzo(b)fluoranthene	1.199	1.152		-3.9	
Benzo(k)fluoranthene	1.158	1.121		-3.2	
Benzo(a)pyrene	1.034	1.034		0.0	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.401		0.9	
Dibenzo(a,h)anthracene	1.152	1.157		0.4	
Benzo(g,h,i)perylene	1.173	1.186		1.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.553		0.5	
1,4-Dioxane	0.512	0.516		0.8	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.373		0.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.722	152	209558	20.000	ng		0.00
21) Naphthalene-d8	10.498	136	846848	20.000	ng		0.00
39) Acenaphthene-d10	14.351	164	515328	20.000	ng		0.00
64) Phenanthrene-d10	17.145	188	1022762	20.000	ng		0.00
76) Chrysene-d12	21.592	240	1136570	20.000	ng		0.00
86) Perylene-d12	24.933	264	1339835	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.346	112	1024978	80.873	ng		0.00
7) Phenol-d6	6.910	99	1340975	77.271	ng		0.00
23) Nitrobenzene-d5	8.869	82	1195795	80.517	ng		0.00
42) 2,4,6-Tribromophenol	15.863	330	583395	81.824	ng		0.00
45) 2-Fluorobiphenyl	12.963	172	2653339	78.834	ng		0.00
79) Terphenyl-d14	19.874	244	4362908	77.374	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	216189	40.328	ng		99
3) Pyridine	3.687	79	523911	37.011	ng		98
4) n-Nitrosodimethylamine	3.593	42	194679	41.439	ng		93
6) Aniline	7.063	93	582549	37.566	ng		98
8) 2-Chlorophenol	7.299	128	551192	38.953	ng		99
9) Benzaldehyde	6.881	77	370579	43.169	ng		98
10) Phenol	6.940	94	665210	38.211	ng		97
11) bis(2-Chloroethyl)ether	7.157	93	539199	38.442	ng		98
12) 1,3-Dichlorobenzene	7.616	146	593640	38.968	ng		99
13) 1,4-Dichlorobenzene	7.757	146	599526	38.788	ng		100
14) 1,2-Dichlorobenzene	8.075	146	572574	38.363	ng		99
15) Benzyl Alcohol	7.963	79	435237	38.781	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.246	45	570481	37.628	ng		99
17) 2-Methylphenol	8.169	107	435941	38.710	ng		98
18) Hexachloroethane	8.793	117	220746	39.519	ng		99
19) n-Nitroso-di-n-propyla...	8.522	70	396752	36.954	ng		98
20) 3+4-Methylphenols	8.493	107	600166	38.408	ng		99
22) Acetophenone	8.540	105	824849	39.353	ng	#	100
24) Nitrobenzene	8.910	77	586518	39.921	ng		98
25) Isophorone	9.428	82	1038889	38.646	ng		100
26) 2-Nitrophenol	9.616	139	298346	41.496	ng		96
27) 2,4-Dimethylphenol	9.681	122	355852	39.418	ng		99
28) bis(2-Chloroethoxy)met...	9.910	93	687320	37.848	ng		100
29) 2,4-Dichlorophenol	10.151	162	494221	40.150	ng		99
30) 1,2,4-Trichlorobenzene	10.363	180	522158	39.592	ng		99
31) Naphthalene	10.546	128	1753676	39.312	ng		100
32) Benzoic acid	9.822	122	381639	36.280	ng		100
33) 4-Chloroaniline	10.663	127	610003	38.831	ng		99
34) Hexachlorobutadiene	10.828	225	314912	40.634	ng		99
35) Caprolactam	11.445	113	179679	39.560	ng		100
36) 4-Chloro-3-methylphenol	11.793	107	562968	39.265	ng		99
37) 2-Methylnaphthalene	12.157	142	1172849	37.911	ng		98
38) 1-Methylnaphthalene	12.375	142	1146644	37.887	ng		100
40) 1,2,4,5-Tetrachloroben...	12.528	216	570219	40.237	ng		99
41) Hexachlorocyclopentadiene	12.510	237	210915	42.081	ng		98
43) 2,4,6-Trichlorophenol	12.775	196	385070	40.869	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

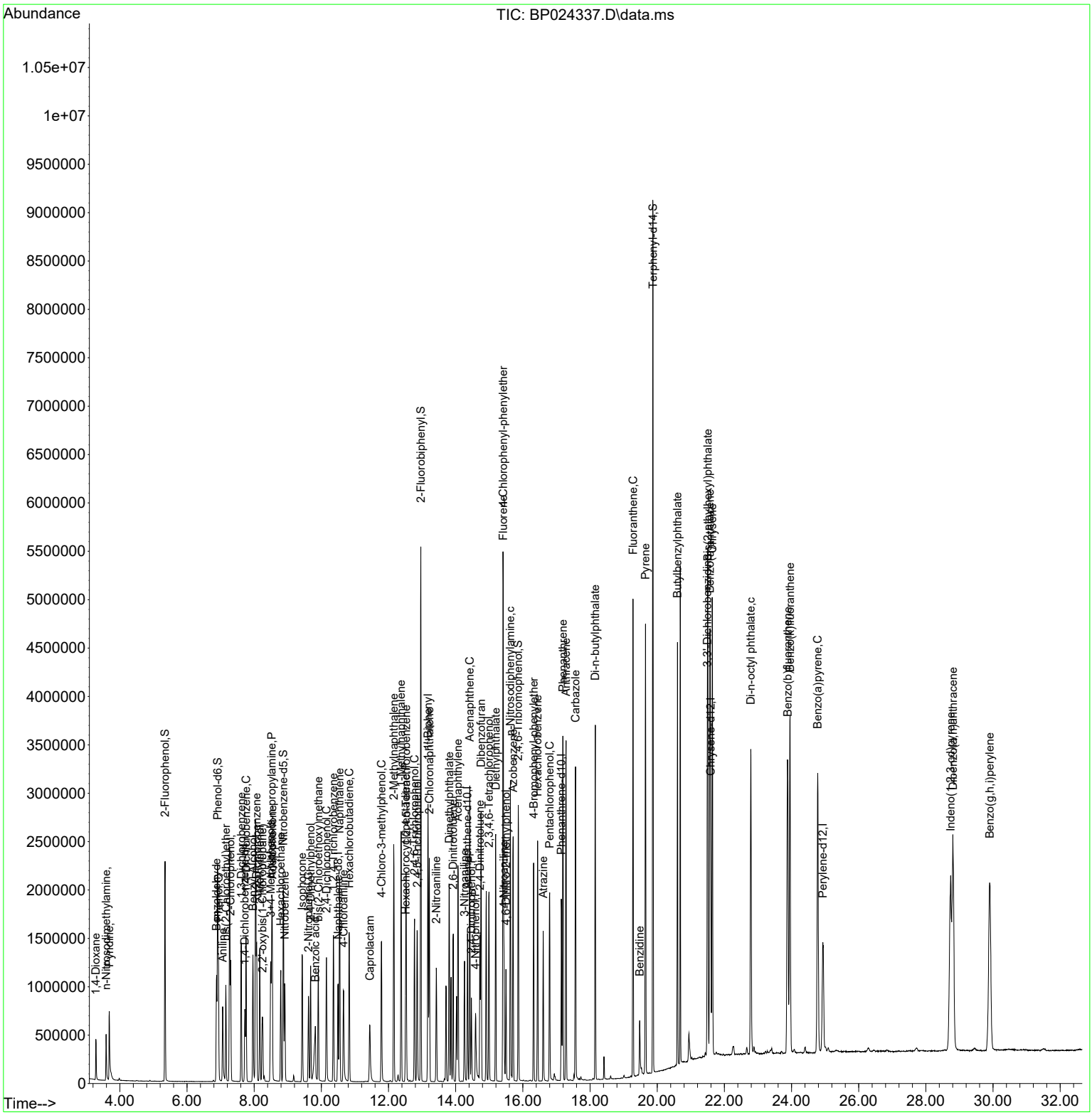
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	423015	40.543	ng	98
46) 1,1'-Biphenyl	13.175	154	1493220	39.420	ng	100
47) 2-Chloronaphthalene	13.216	162	1121215	39.604	ng	99
48) 2-Nitroaniline	13.422	65	336538	42.379	ng	97
49) Acenaphthylene	14.069	152	1797548	40.328	ng	100
50) Dimethylphthalate	13.810	163	1483545	39.587	ng	100
51) 2,6-Dinitrotoluene	13.928	165	322936	40.581	ng	99
52) Acenaphthene	14.422	154	1100724	38.953	ng	100
53) 3-Nitroaniline	14.263	138	343184	41.032	ng	100
54) 2,4-Dinitrophenol	14.469	184	185205	39.510	ng	94
55) Dibenzofuran	14.757	168	1780942	38.557	ng	99
56) 4-Nitrophenol	14.592	139	295587	40.920	ng	95
57) 2,4-Dinitrotoluene	14.722	165	449538	41.411	ng	99
58) Fluorene	15.416	166	1396325	39.051	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.992	232	383967	39.901	ng	99
60) Diethylphthalate	15.192	149	1525543	39.502	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	678675	39.086	ng	99
62) 4-Nitroaniline	15.439	138	375998	42.466	ng	96
63) Azobenzene	15.710	77	1416478	39.906	ng	99
65) 4,6-Dinitro-2-methylph...	15.498	198	256561	39.788	ng	98
66) n-Nitrosodiphenylamine	15.628	169	1198193	39.250	ng	99
67) 4-Bromophenyl-phenylether	16.322	248	442408	39.551	ng	98
68) Hexachlorobenzene	16.439	284	532941	40.096	ng	97
69) Atrazine	16.610	200	287663	36.999	ng	99
70) Pentachlorophenol	16.798	266	378846	40.856	ng	99
71) Phenanthrene	17.192	178	2144441	38.435	ng	100
72) Anthracene	17.286	178	2141143	39.817	ng	100
73) Carbazole	17.569	167	2127901	40.499	ng	100
74) Di-n-butylphthalate	18.157	149	2657254	40.593	ng	100
75) Fluoranthene	19.280	202	2643103	39.831	ng	99
77) Benzidine	19.480	184	454587	31.553	ng	99
78) Pyrene	19.651	202	2731156	37.812	ng	99
80) Butylbenzylphthalate	20.604	149	1262828	40.818	ng	100
81) Benzo(a)anthracene	21.568	228	2786470	39.443	ng	100
82) 3,3'-Dichlorobenzidine	21.492	252	1027829	41.452	ng	99
83) Chrysene	21.639	228	2670773	39.461	ng	100
84) Bis(2-ethylhexyl)phtha...	21.510	149	1826473	40.272	ng	100
85) Di-n-octyl phthalate	22.786	149	3137463	42.552	ng	100
87) Indeno(1,2,3-cd)pyrene	28.739	276	3754257	40.361	ng	94
88) Benzo(b)fluoranthene	23.886	252	3087401	38.443	ng	98
89) Benzo(k)fluoranthene	23.957	252	3004791	38.734	ng	99
90) Benzo(a)pyrene	24.780	252	2770980	39.999	ng	99
91) Dibenzo(a,h)anthracene	28.803	278	3101033	40.165	ng	98
92) Benzo(g,h,i)perylene	29.897	276	3178096	40.441	ng	98

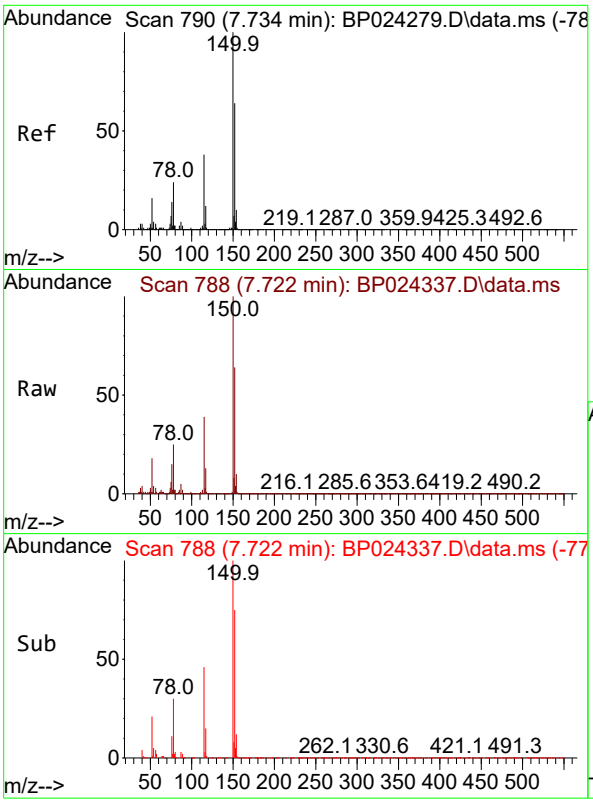
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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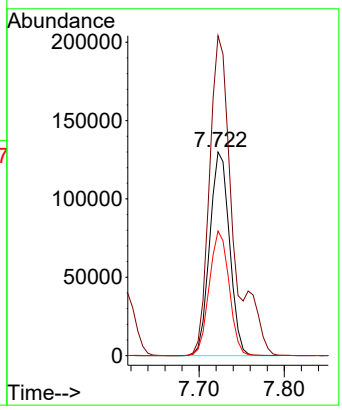


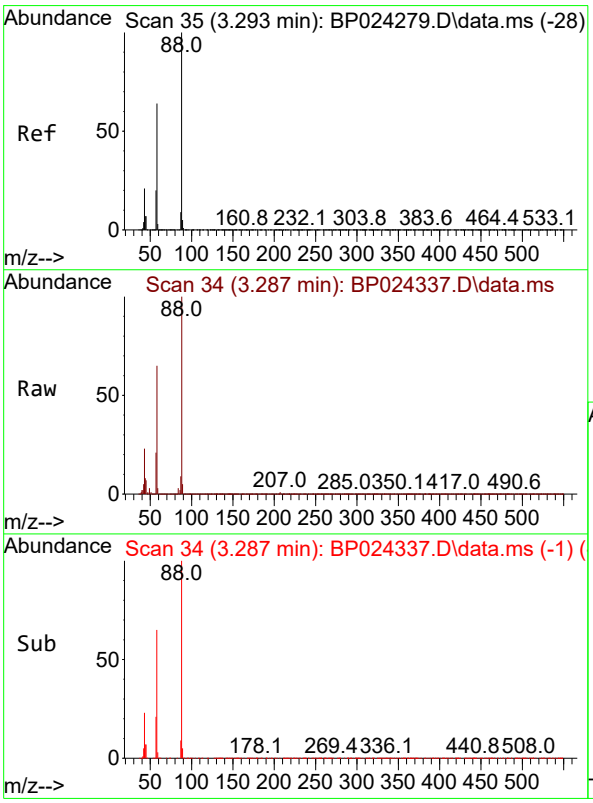
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 209558

Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.9	187.3
115	61.2	47.7	71.5

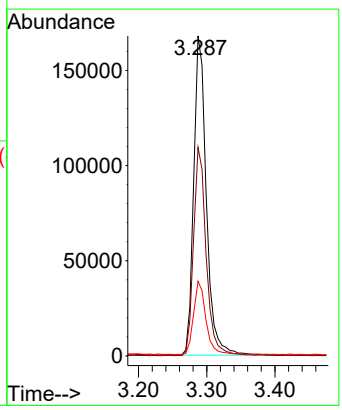


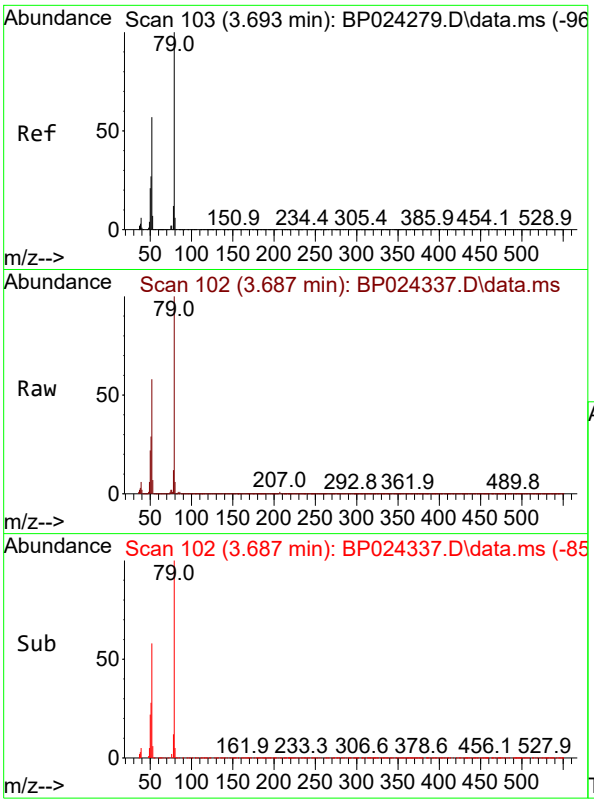


#2
1,4-Dioxane
Concen: 40.328 ng
RT: 3.287 min Scan# 34
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion: 88 Resp: 216189

Ion	Ratio	Lower	Upper
88	100		
58	65.3	51.4	77.2
43	22.4	17.1	25.7



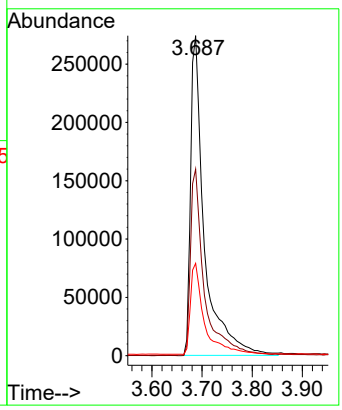


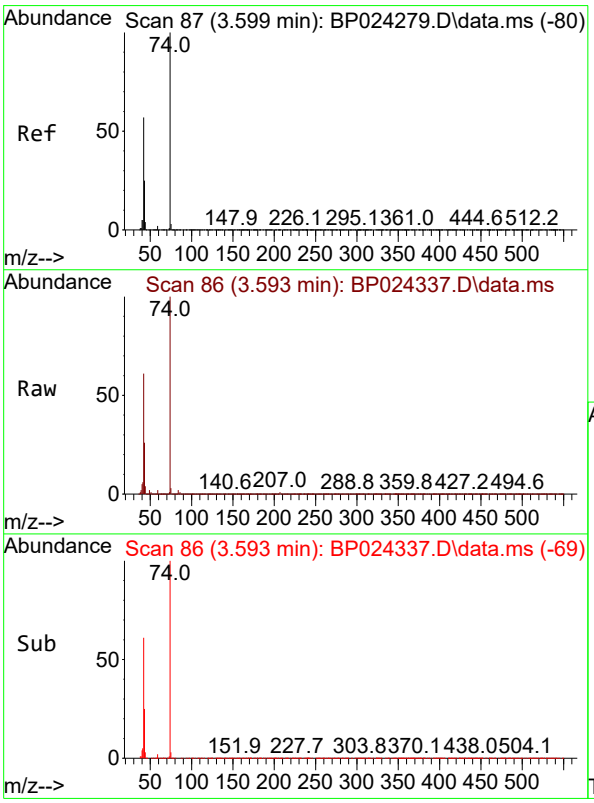
#3
Pyridine
Concen: 37.011 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 523911

Ion	Ratio	Lower	Upper
79	100		
52	58.3	45.4	68.2
51	28.9	22.6	33.8

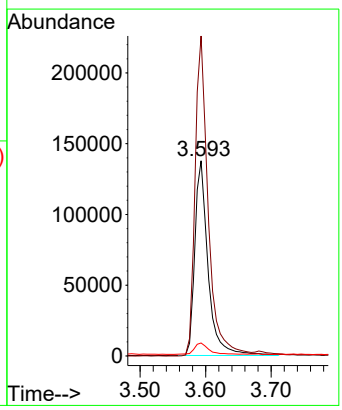


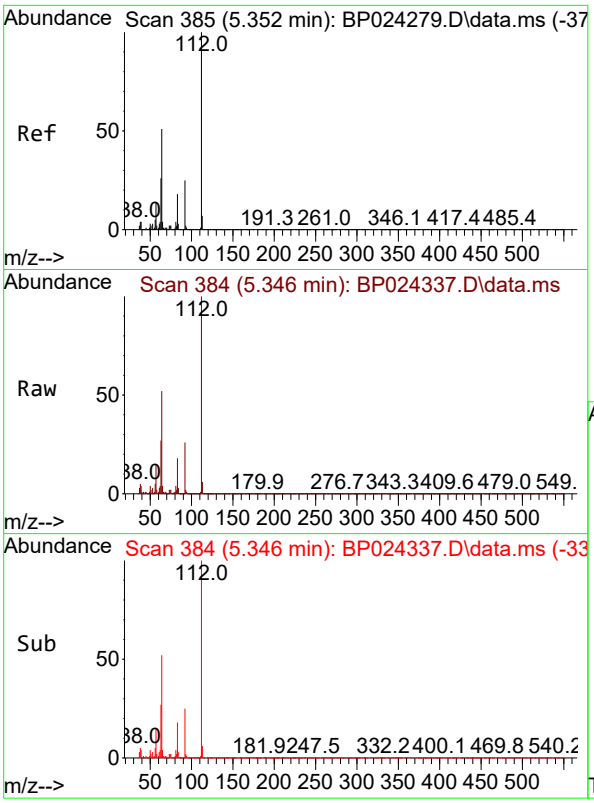


#4
n-Nitrosodimethylamine
Concen: 41.439 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion: 42 Resp: 194679

Ion	Ratio	Lower	Upper
42	100		
74	163.9	139.5	209.3
44	6.7	5.8	8.8



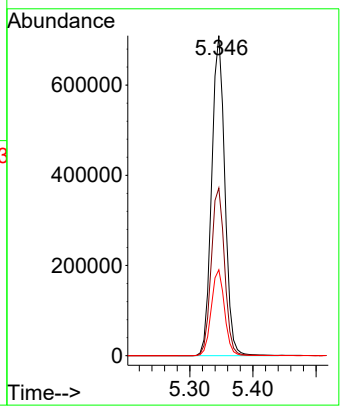


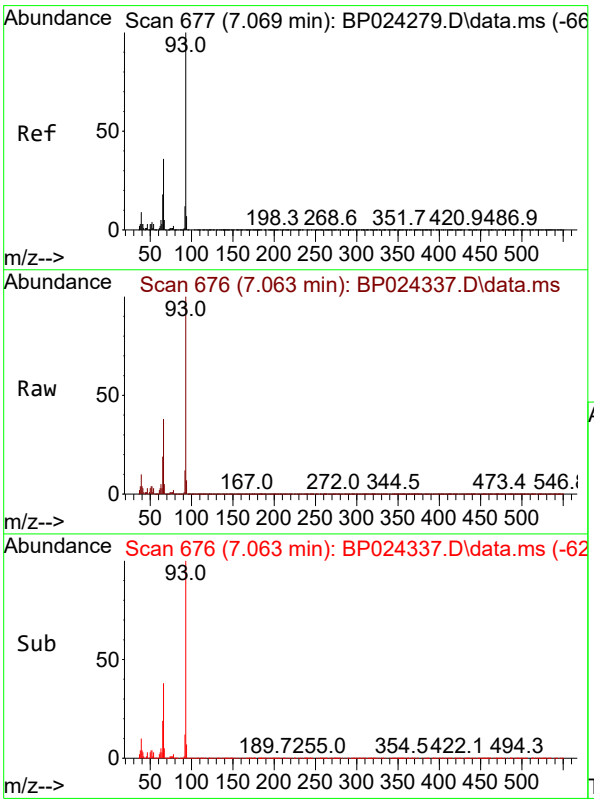
#5
2-Fluorophenol
Concen: 80.873 ng
RT: 5.346 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1024978

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.1	61.7
63	26.9	20.6	30.8

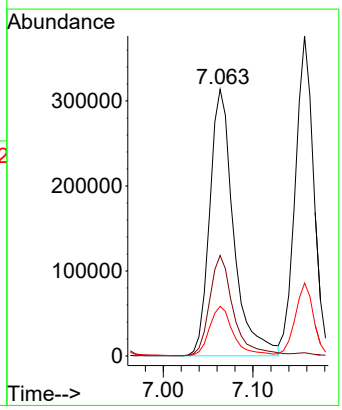


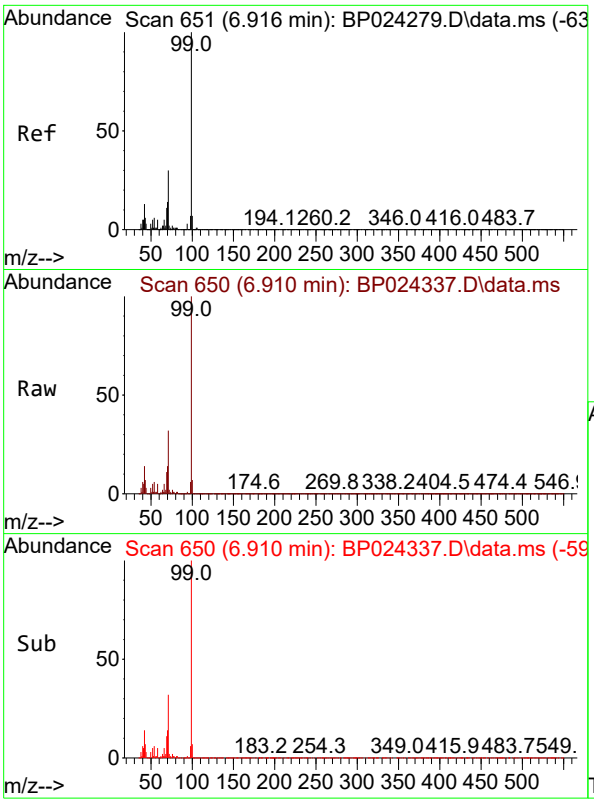


#6
Aniline
Concen: 37.566 ng
RT: 7.063 min Scan# 676
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion: 93 Resp: 582549

Ion	Ratio	Lower	Upper
93	100		
66	37.7	29.1	43.7
65	18.6	14.7	22.1



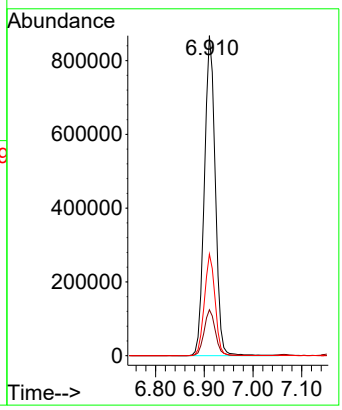


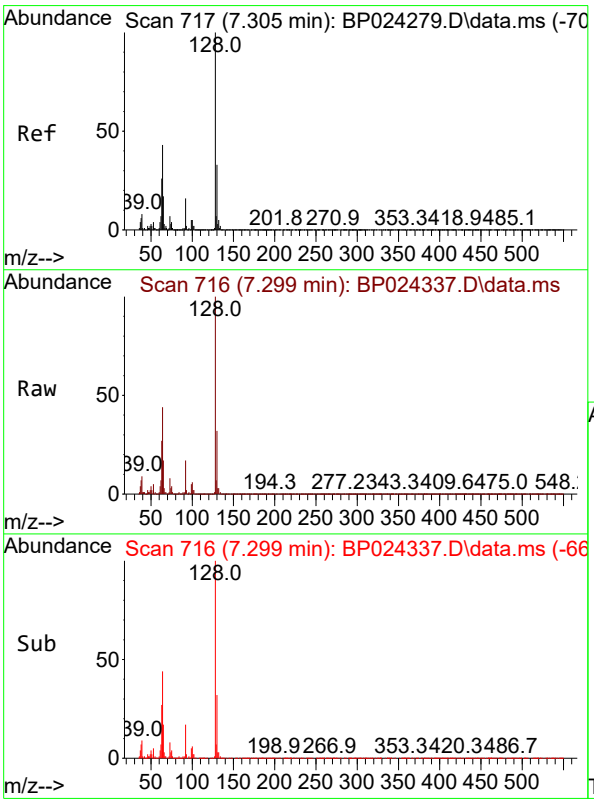
#7
Phenol-d6
Concen: 77.271 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1340975

Ion	Ratio	Lower	Upper
99	100		
42	14.4	10.6	16.0
71	31.7	23.7	35.5

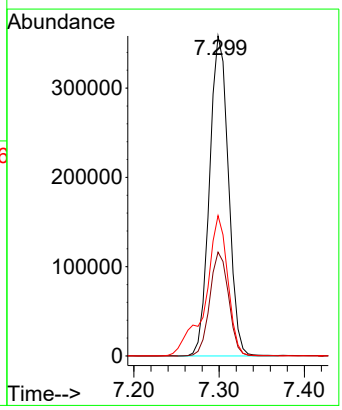


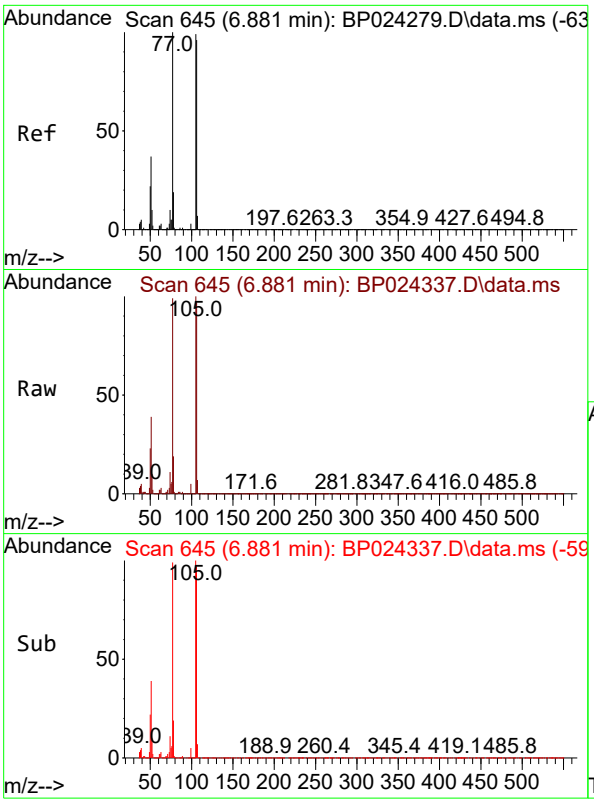


#8
2-Chlorophenol
Concen: 38.953 ng
RT: 7.299 min Scan# 716
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:128 Resp: 551192

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.9	52.9
64	43.9	22.7	62.7



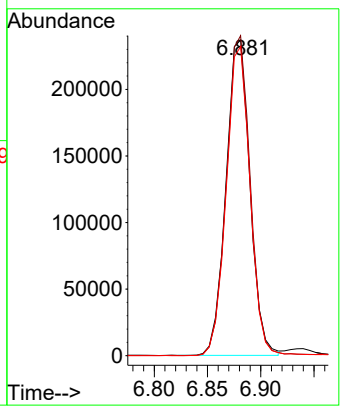


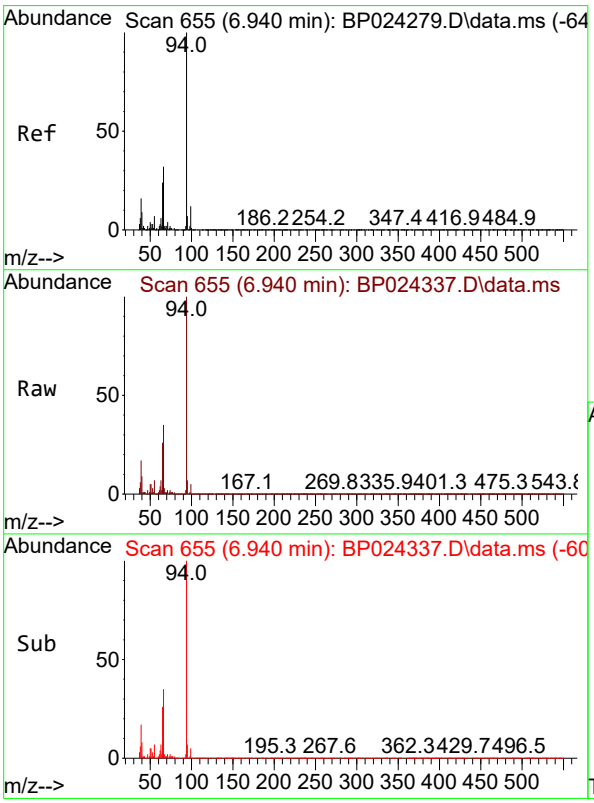
#9
Benzaldehyde
Concen: 43.169 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 370579

Ion	Ratio	Lower	Upper
77	100		
105	101.4	79.2	119.2
106	98.0	76.2	116.2

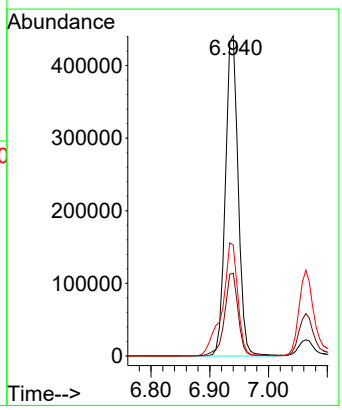


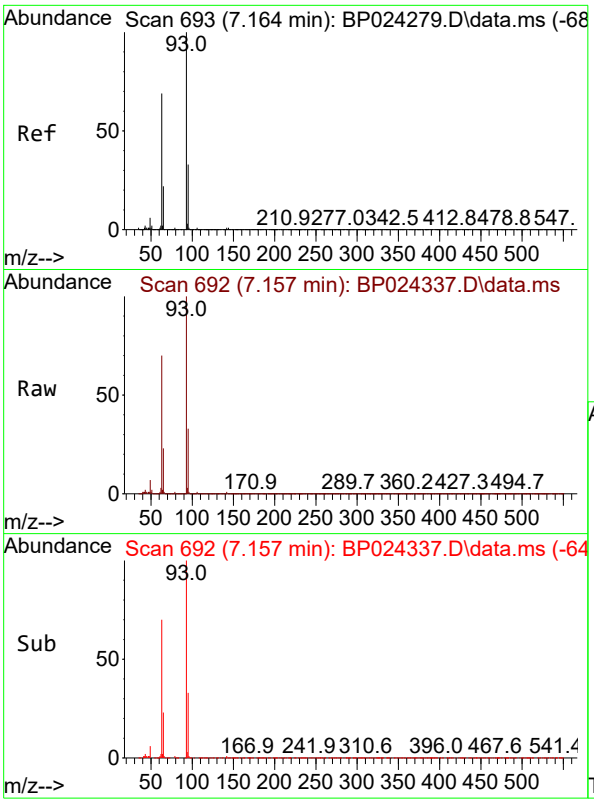


#10
Phenol
Concen: 38.211 ng
RT: 6.940 min Scan# 655
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion: 94 Resp: 665210

Ion	Ratio	Lower	Upper
94	100		
65	25.9	4.5	44.5
66	34.6	12.4	52.4



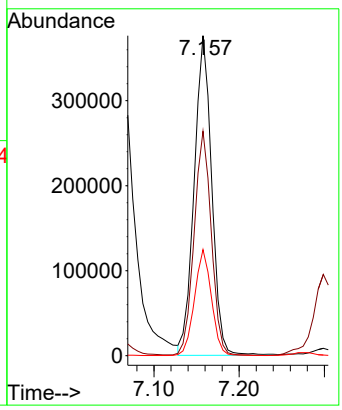


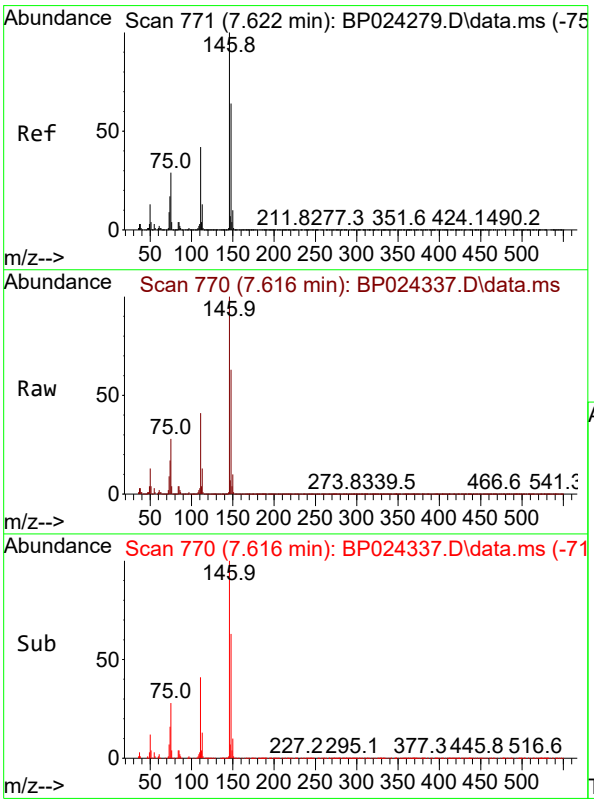
#11
bis(2-Chloroethyl)ether
Concen: 38.442 ng
RT: 7.157 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 539199

Ion	Ratio	Lower	Upper
93	100		
63	70.1	48.6	88.6
95	33.1	12.3	52.3

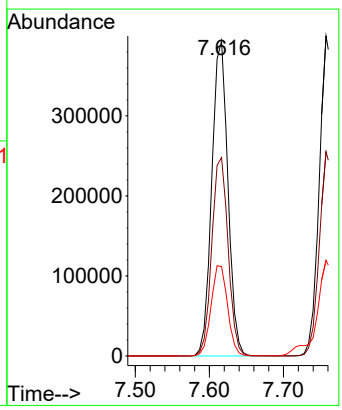


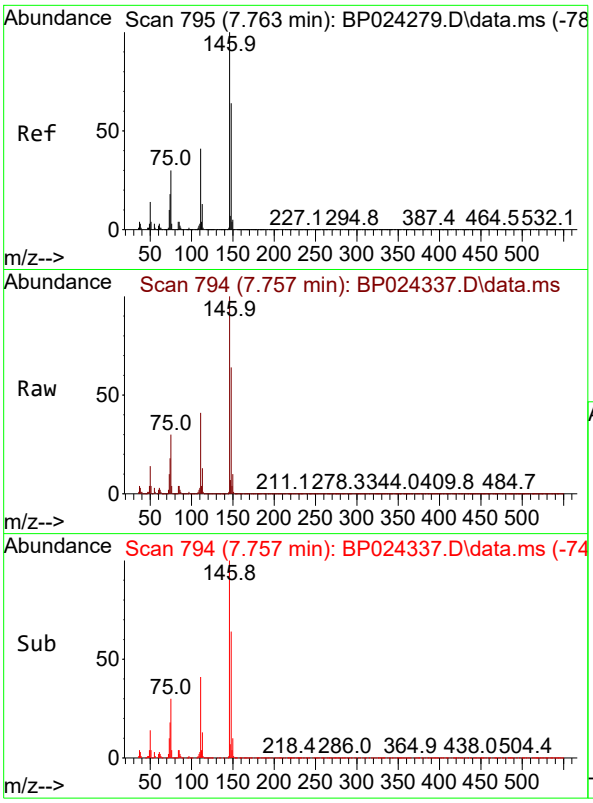


#12
1,3-Dichlorobenzene
Concen: 38.968 ng
RT: 7.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:146 Resp: 593640

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.0
75	28.4	22.9	34.3



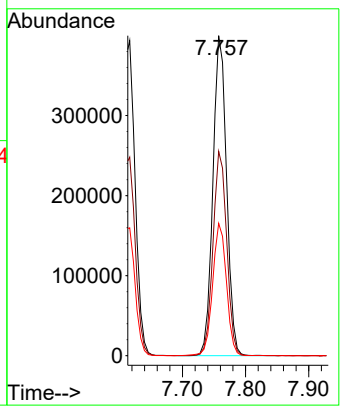


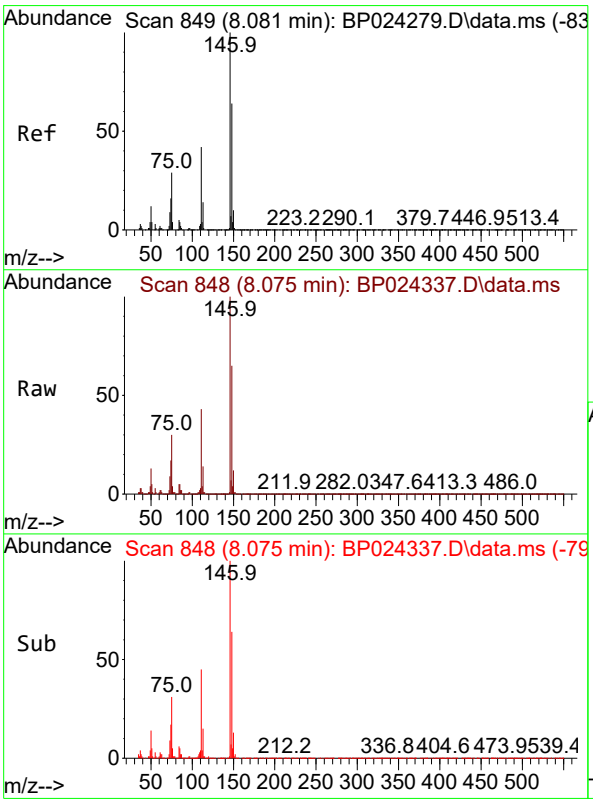
#13
1,4-Dichlorobenzene
Concen: 38.788 ng
RT: 7.757 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 599526

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
111	41.4	32.6	48.8

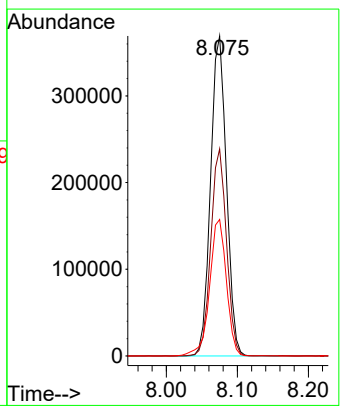


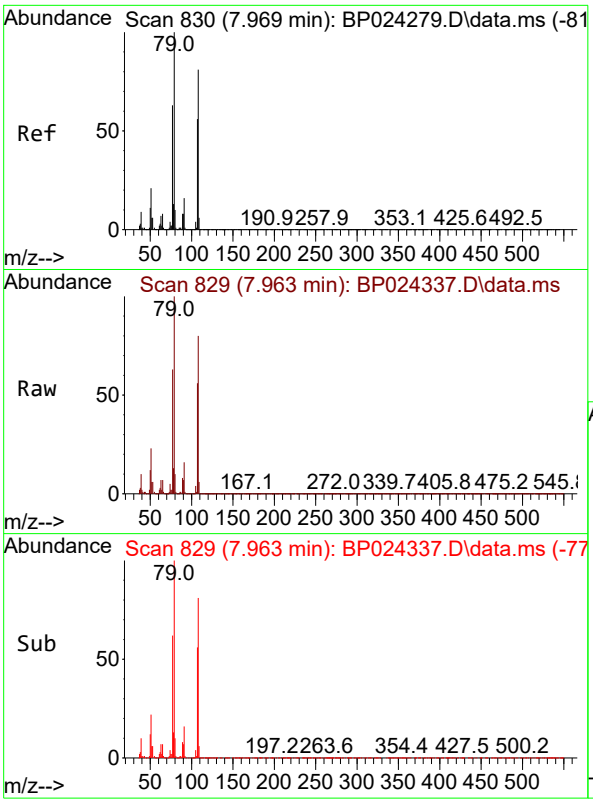


#14
1,2-Dichlorobenzene
Concen: 38.363 ng
RT: 8.075 min Scan# 848
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:146 Resp: 572574

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
111	42.6	33.8	50.8



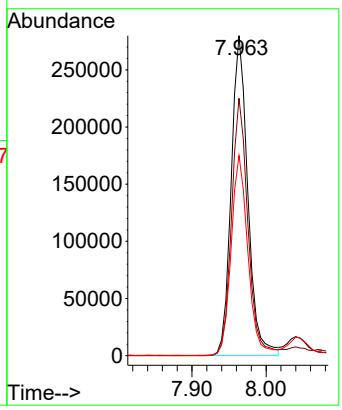


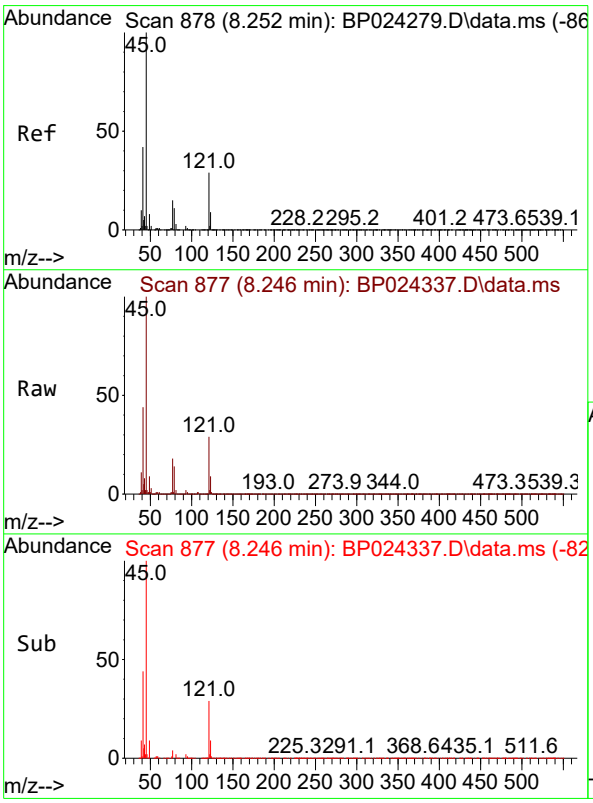
#15
Benzyl Alcohol
Concen: 38.781 ng
RT: 7.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 435237

Ion	Ratio	Lower	Upper
79	100		
108	80.5	65.1	97.7
77	62.6	50.7	76.1

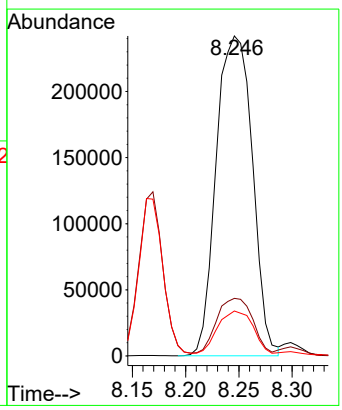


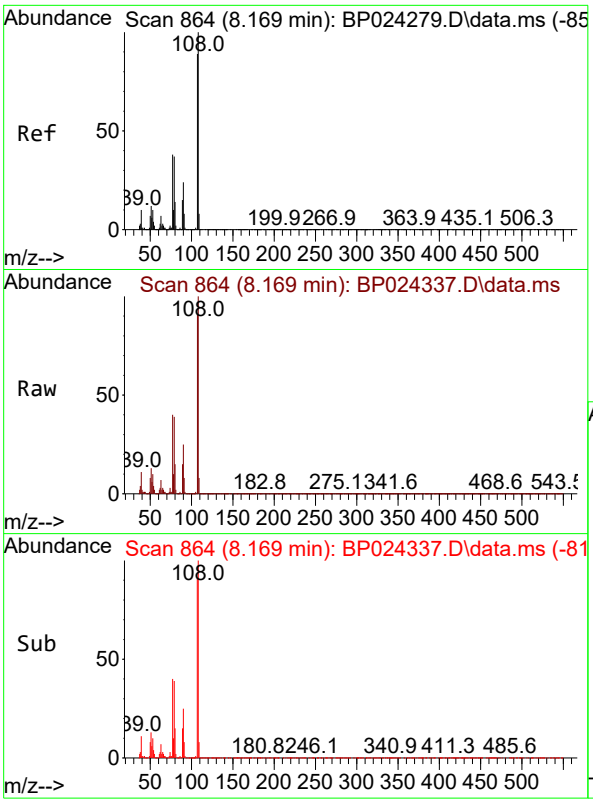


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.628 ng
RT: 8.246 min Scan# 877
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion: 45 Resp: 570481

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	37.7
79	14.0	0.0	33.5



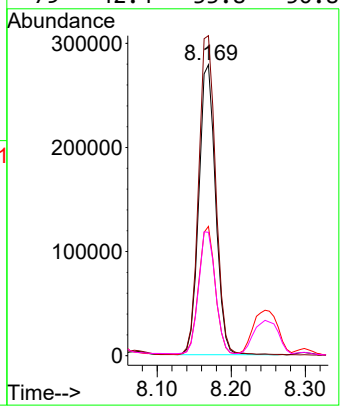


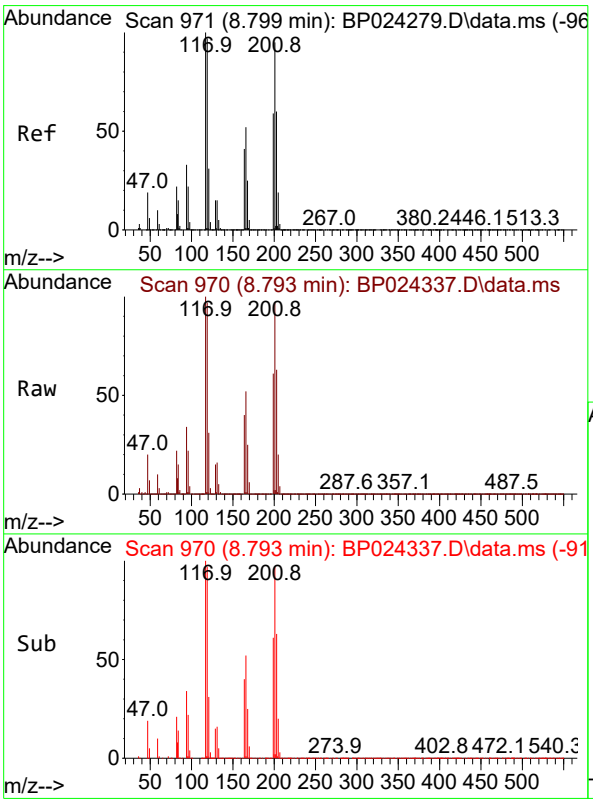
#17
2-Methylphenol
Concen: 38.710 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 435941

Ion	Ratio	Lower	Upper
107	100		
108	110.0	89.8	134.6
77	44.4	34.2	51.4
79	42.4	33.8	50.8

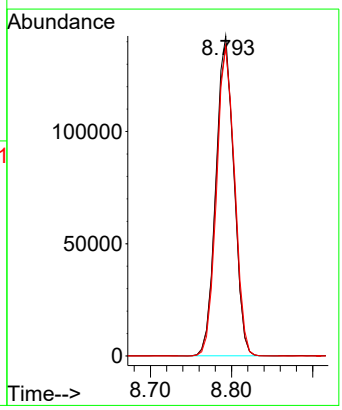


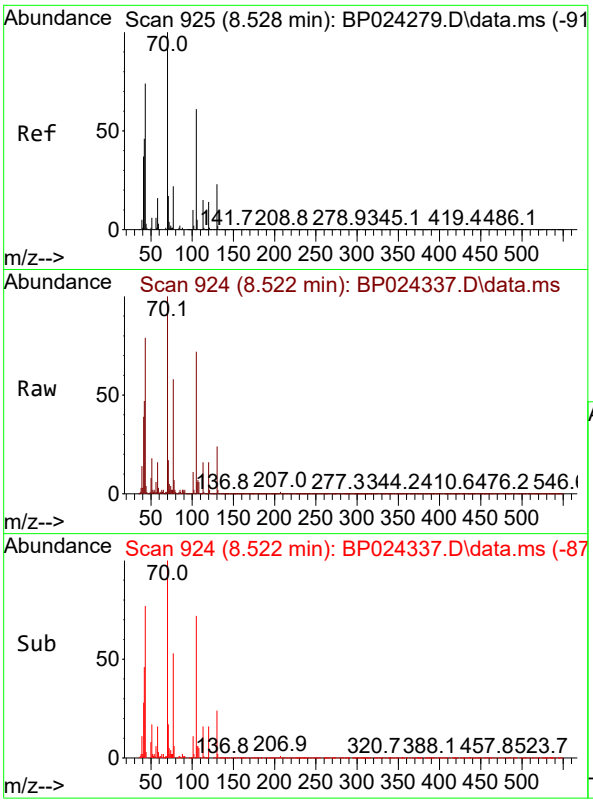


#18
Hexachloroethane
Concen: 39.519 ng
RT: 8.793 min Scan# 970
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:117 Resp: 220746

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.6
201	96.5	75.9	113.9



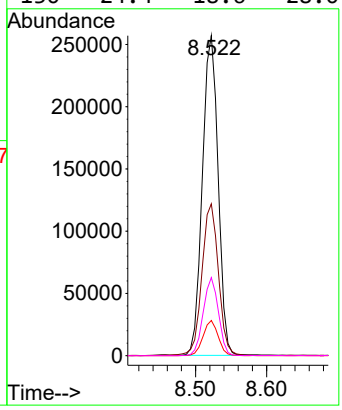


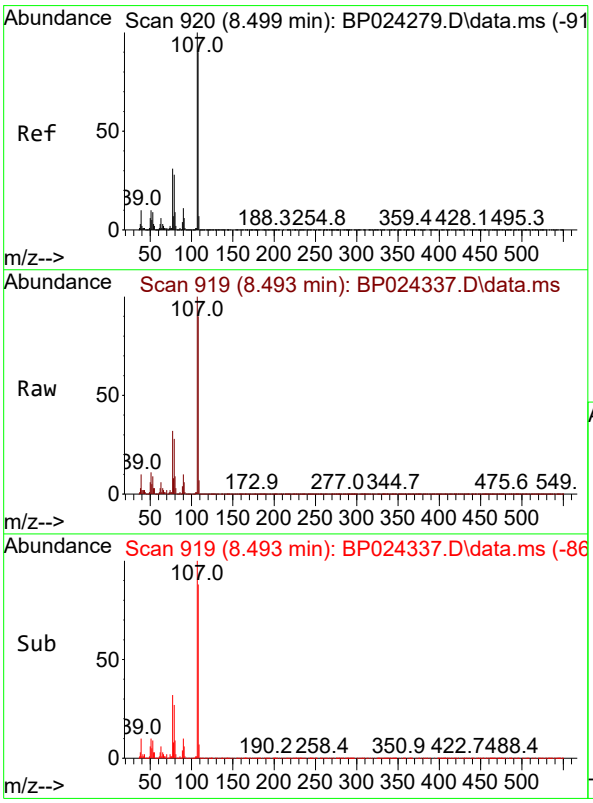
#19
n-Nitroso-di-n-propylamine
Concen: 36.954 ng
RT: 8.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 396752

Ion	Ratio	Lower	Upper
70	100		
42	47.5	37.3	55.9
101	11.0	8.2	12.4
130	24.4	18.6	28.0

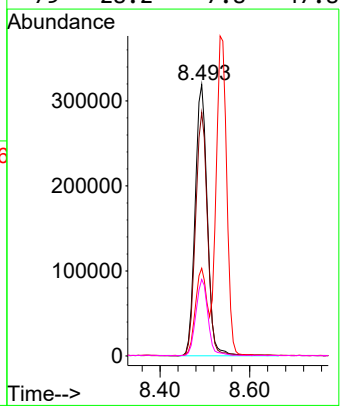


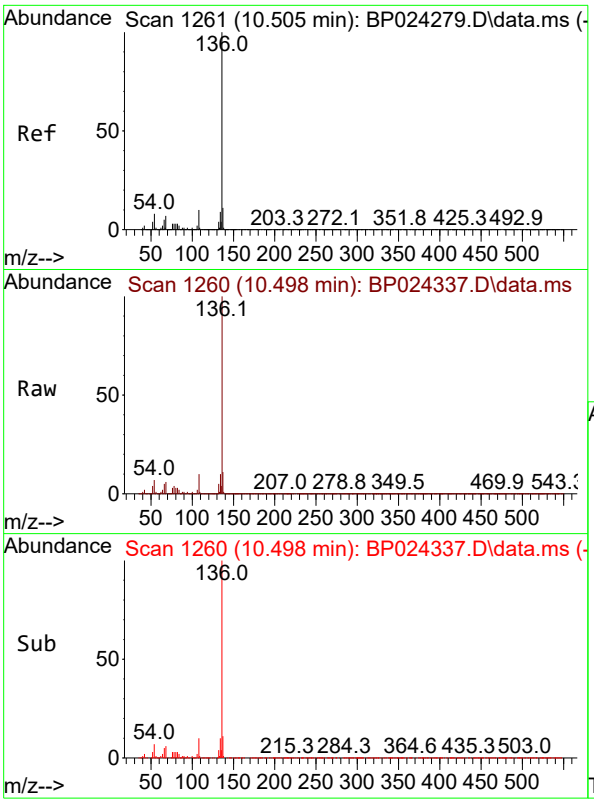


#20
3+4-Methylphenols
Concen: 38.408 ng
RT: 8.493 min Scan# 919
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:107 Resp: 600166

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.8	109.8
77	32.3	11.5	51.5
79	28.2	7.8	47.8



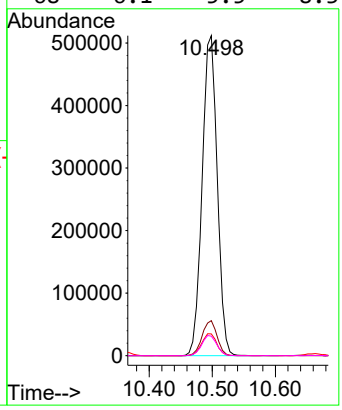


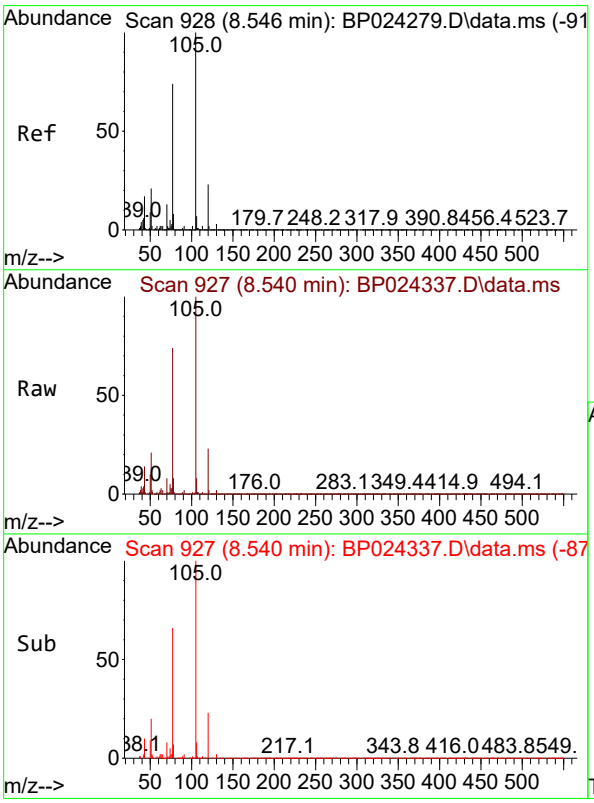
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.498 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 846848

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	6.1	5.5	8.3

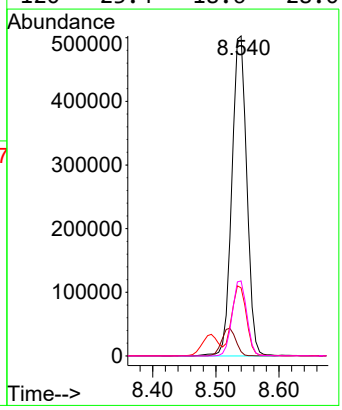


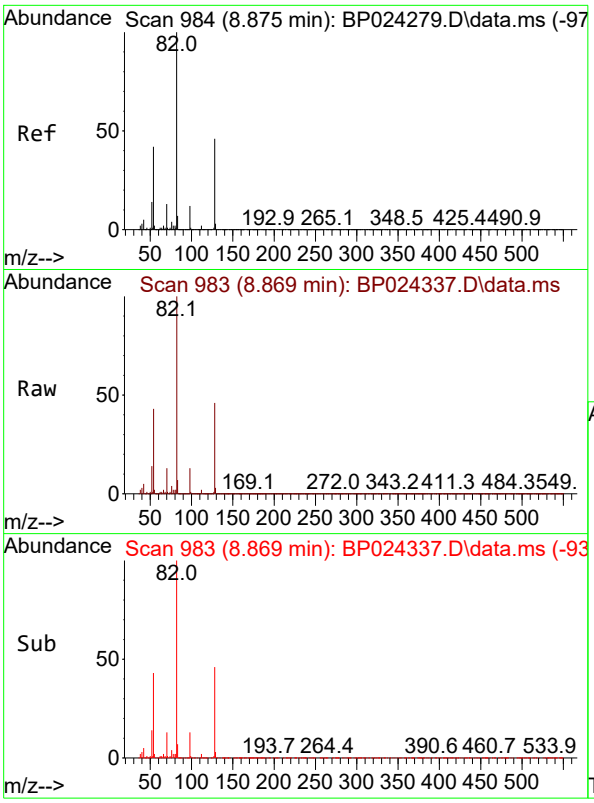


#22
Acetophenone
Concen: 39.353 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:105 Resp: 824849

Ion	Ratio	Lower	Upper
105	100		
71	1.3	1.7	2.5#
51	21.3	16.9	25.3
120	23.4	18.6	28.0



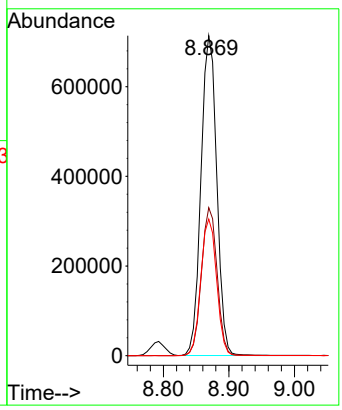


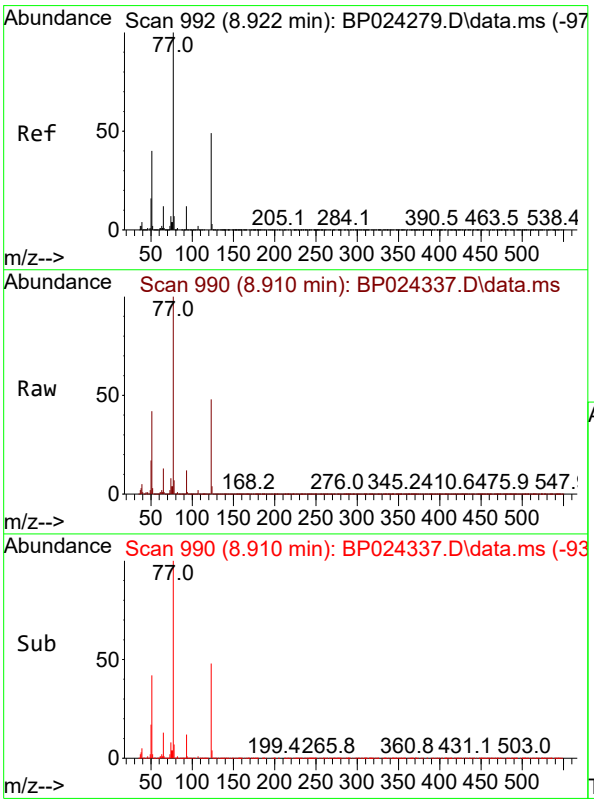
#23
Nitrobenzene-d5
Concen: 80.517 ng
RT: 8.869 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1195795

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.5	54.7
54	42.7	33.4	50.2

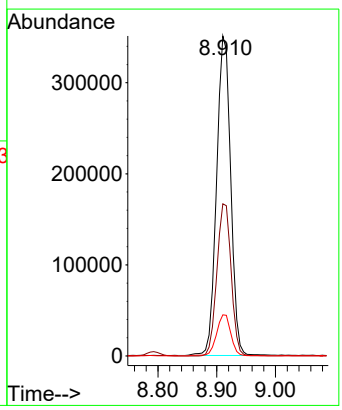


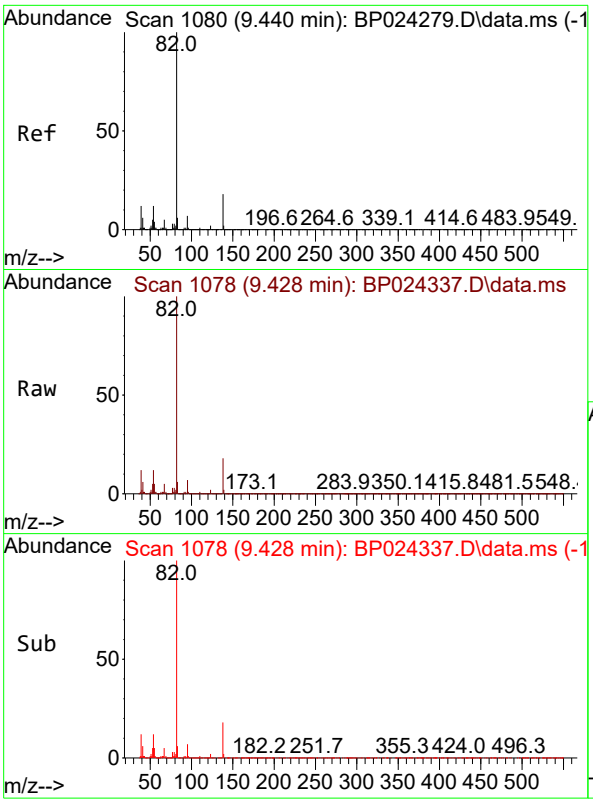


#24
Nitrobenzene
Concen: 39.921 ng
RT: 8.910 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion: 77 Resp: 586518

Ion	Ratio	Lower	Upper
77	100		
123	47.6	39.2	58.8
65	12.8	9.8	14.6



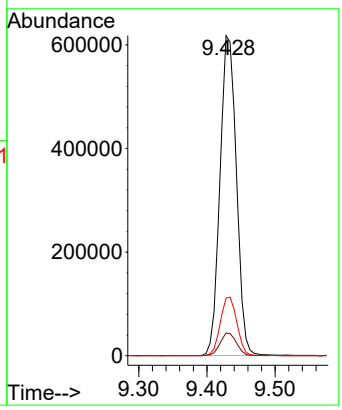


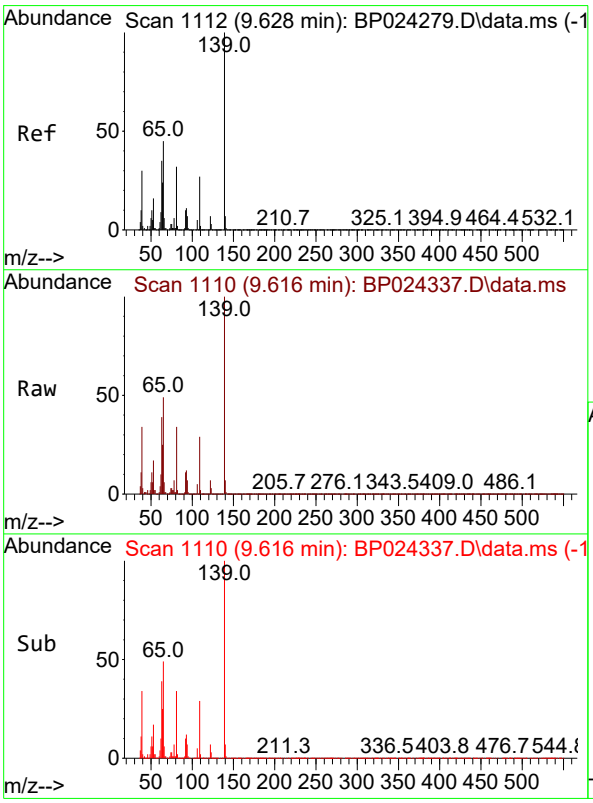
#25
Isophorone
Concen: 38.646 ng
RT: 9.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1038889

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.0	14.4	21.6

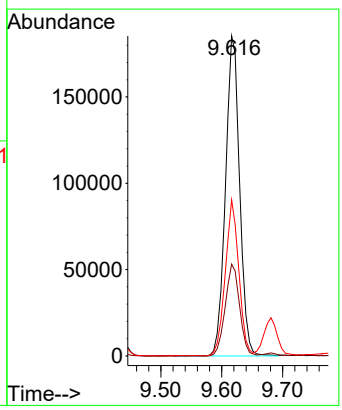


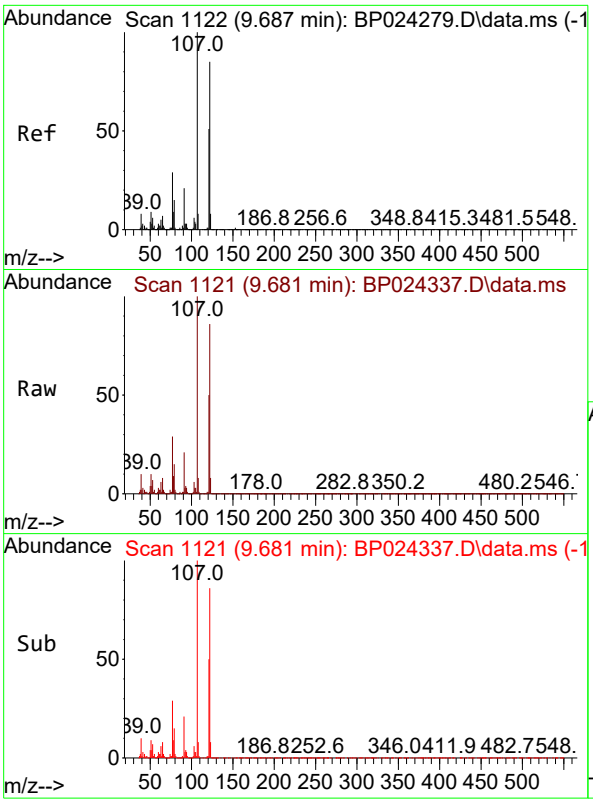


#26
2-Nitrophenol
Concen: 41.496 ng
RT: 9.616 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:139 Resp: 298346

Ion	Ratio	Lower	Upper
139	100		
109	28.7	21.8	32.6
65	48.8	36.2	54.2



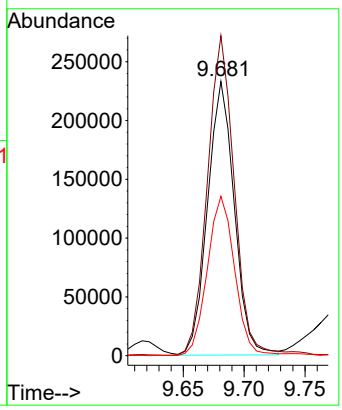


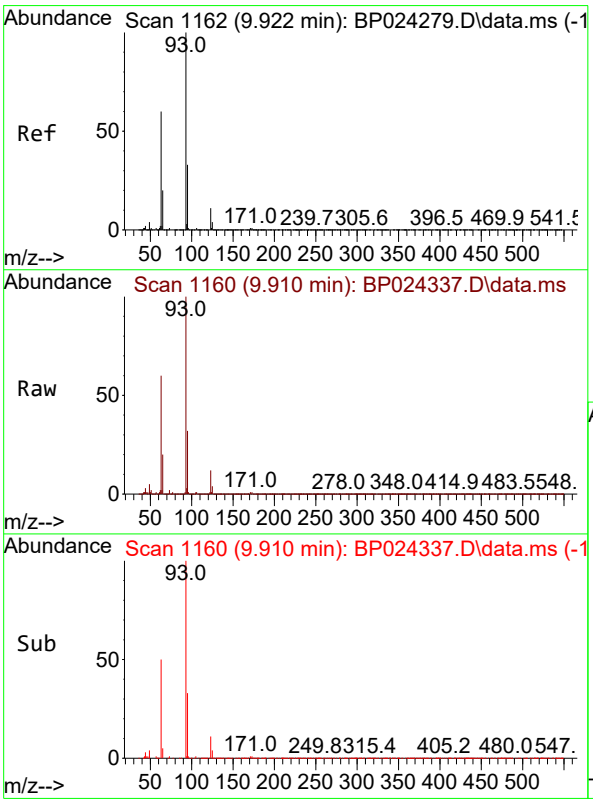
#27
2,4-Dimethylphenol
Concen: 39.418 ng
RT: 9.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 355852

Ion	Ratio	Lower	Upper
122	100		
107	116.7	93.7	140.5
121	58.1	48.2	72.2

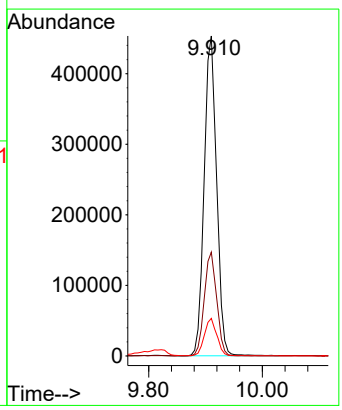


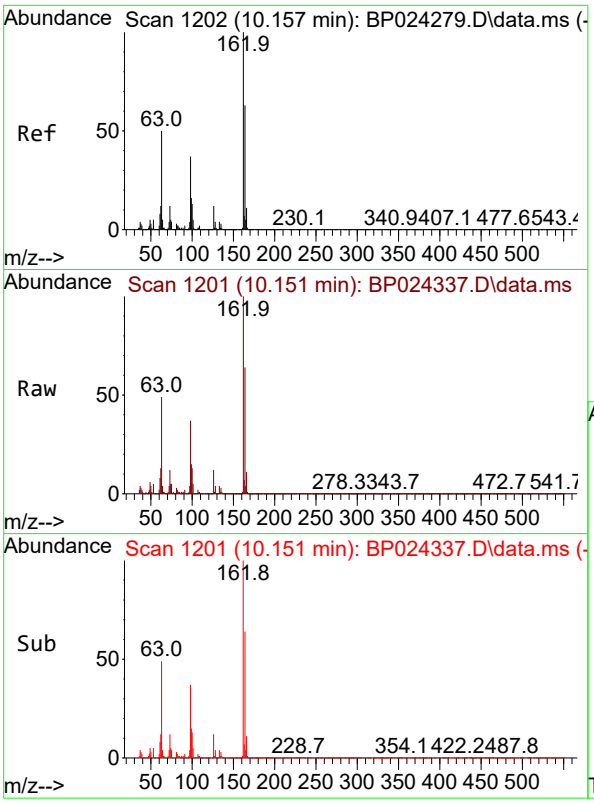


#28
bis(2-Chloroethoxy)methane
Concen: 37.848 ng
RT: 9.910 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion: 93 Resp: 687320

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	11.8	9.1	13.7



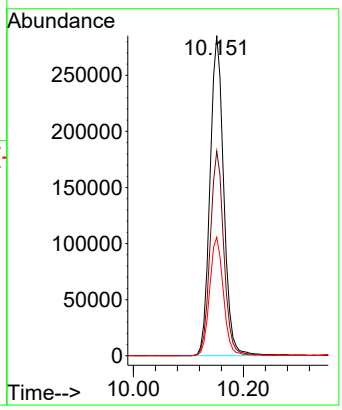


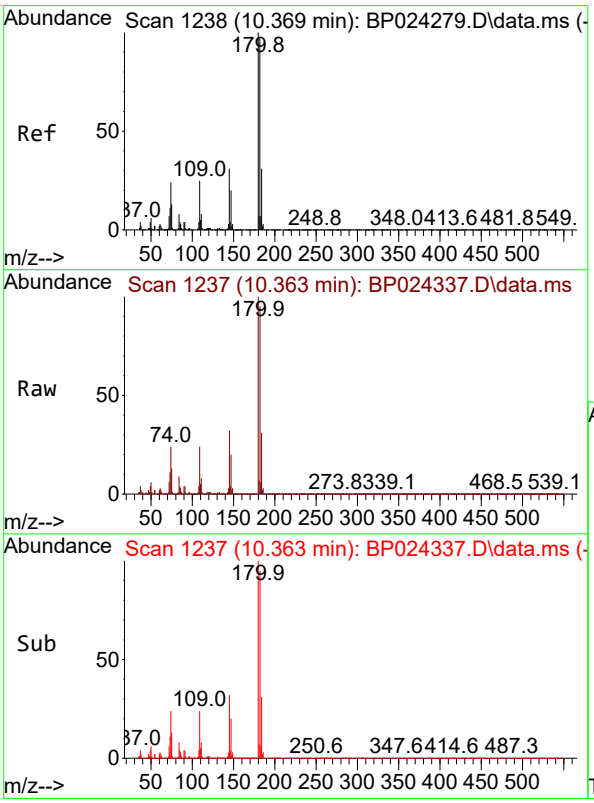
#29
2,4-Dichlorophenol
Concen: 40.150 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 494221

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.3	83.3
98	37.0	16.6	56.6

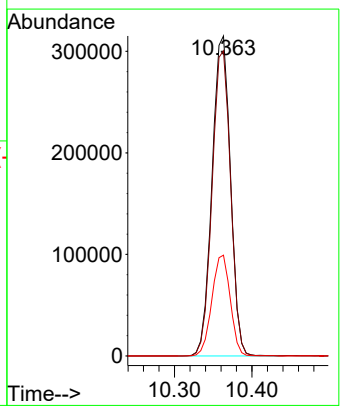


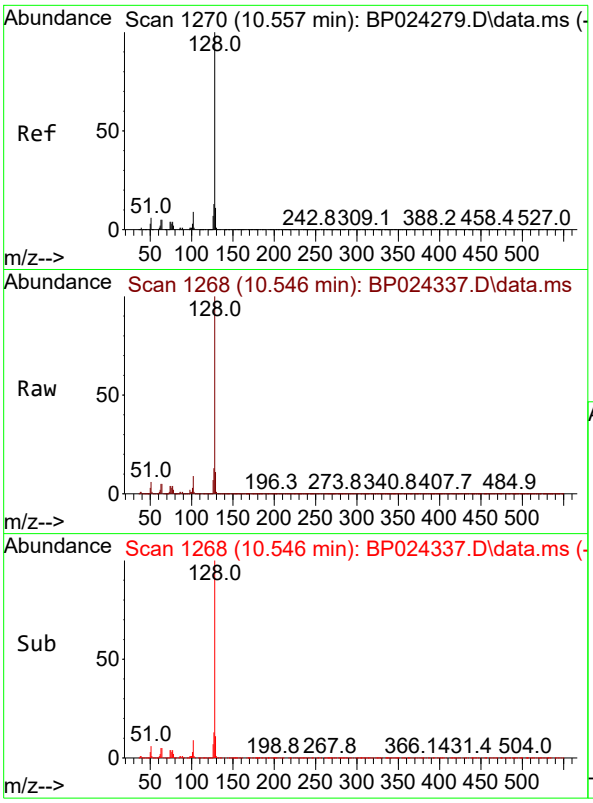


#30
1,2,4-Trichlorobenzene
Concen: 39.592 ng
RT: 10.363 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:180 Resp: 522158

Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.3	115.9
145	31.5	25.1	37.7



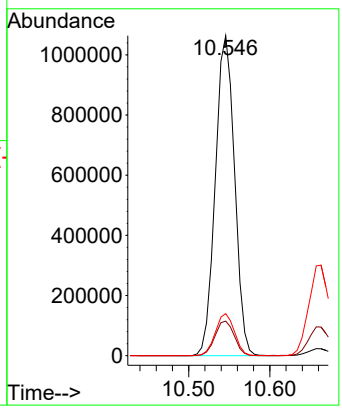


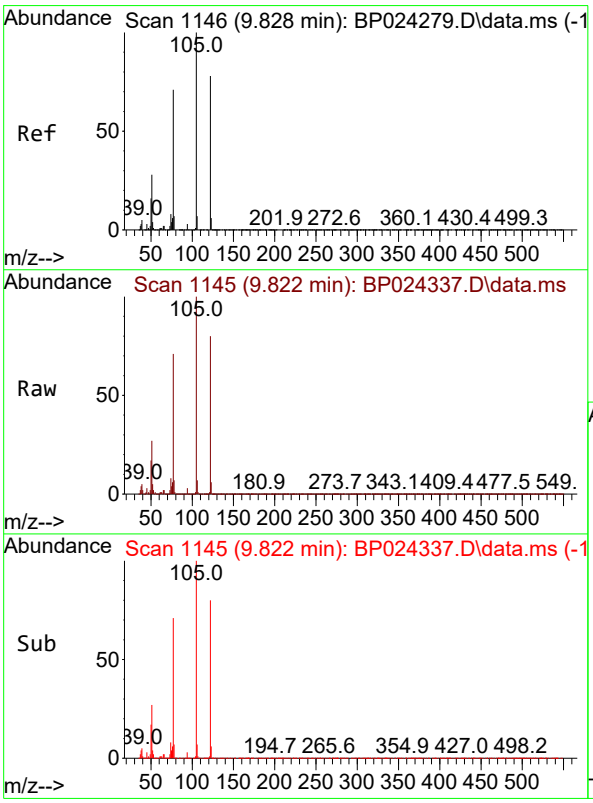
#31
Naphthalene
Concen: 39.312 ng
RT: 10.546 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1753676

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.3	15.5

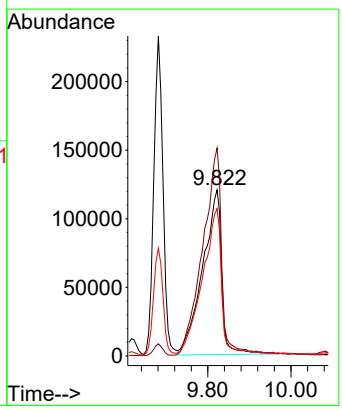


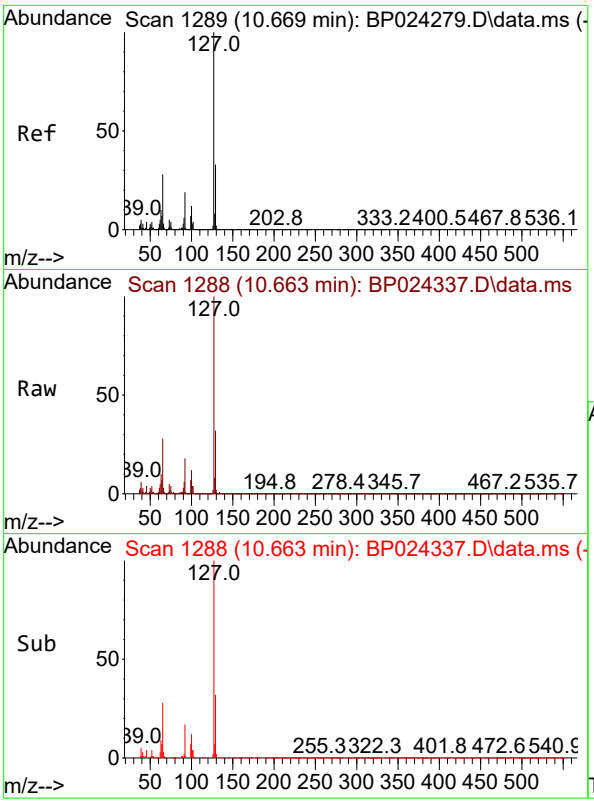


#32
Benzoic acid
Concen: 36.280 ng
RT: 9.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:122 Resp: 381639

Ion	Ratio	Lower	Upper
122	100		
105	125.2	104.8	144.8
77	88.8	69.2	109.2



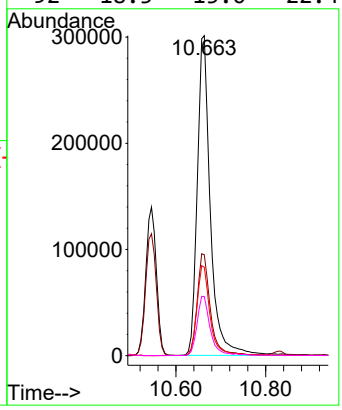


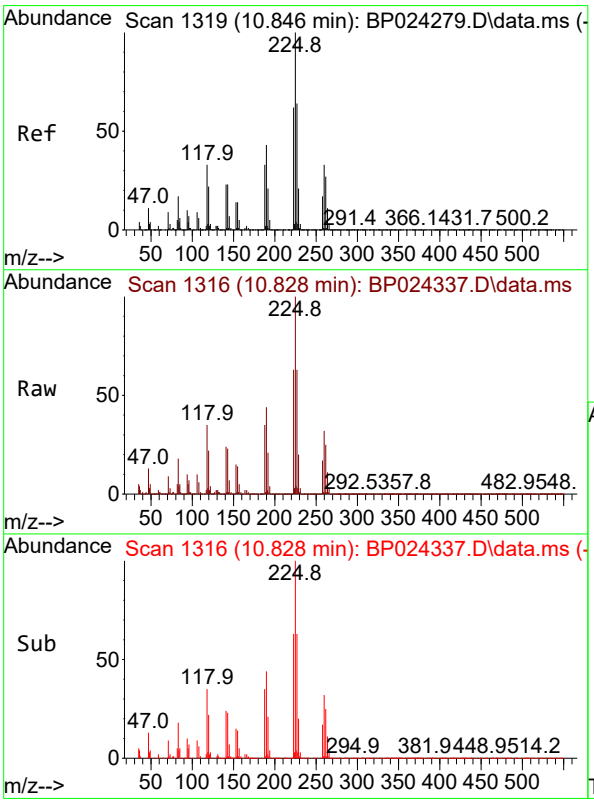
#33
4-Chloroaniline
Concen: 38.831 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 610003

Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.1	39.1
65	27.6	22.1	33.1
92	18.5	15.0	22.4

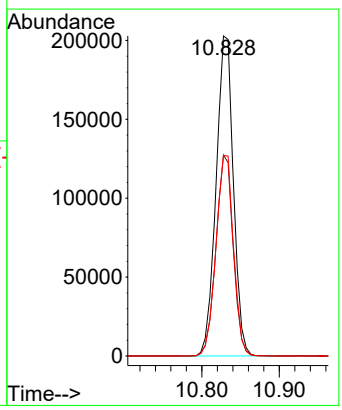


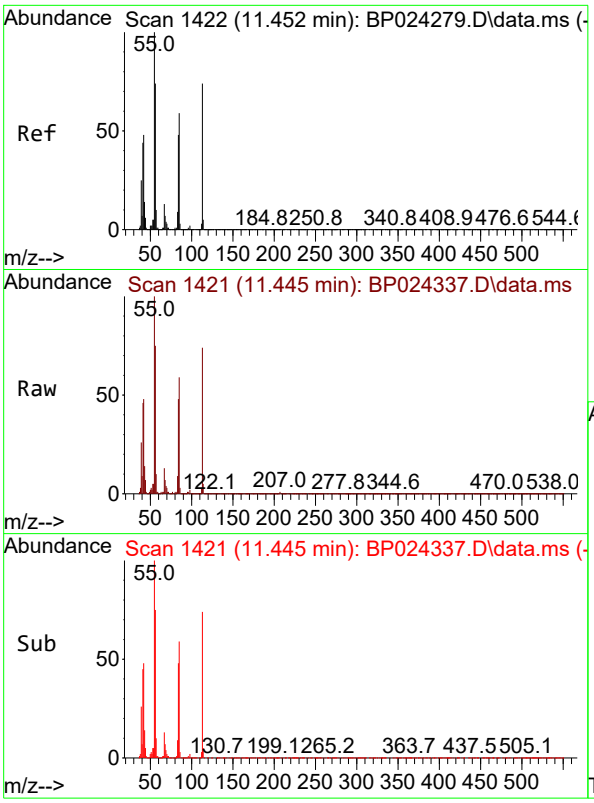


#34
Hexachlorobutadiene
Concen: 40.634 ng
RT: 10.828 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:225 Resp: 314912

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.5	74.3
227	62.7	50.9	76.3



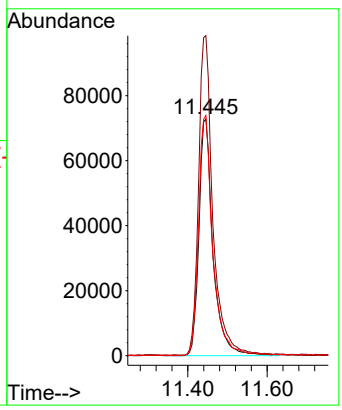


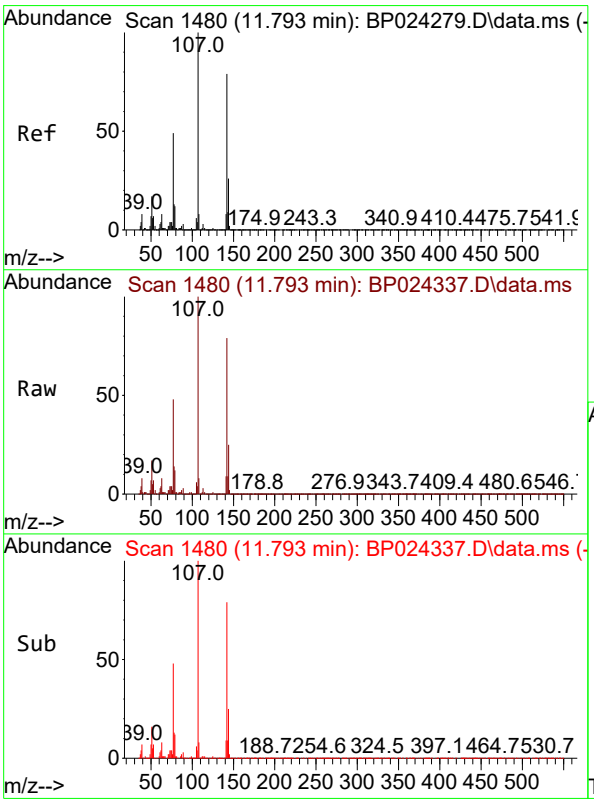
#35
Caprolactam
Concen: 39.560 ng
RT: 11.445 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 179679

Ion	Ratio	Lower	Upper
113	100		
55	135.2	115.9	155.9
56	101.5	81.1	121.1

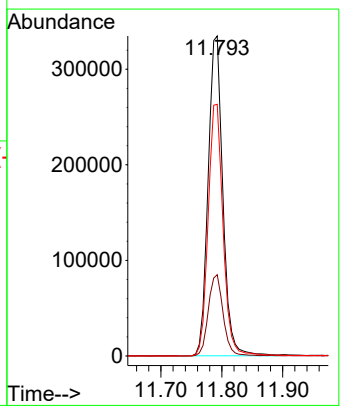


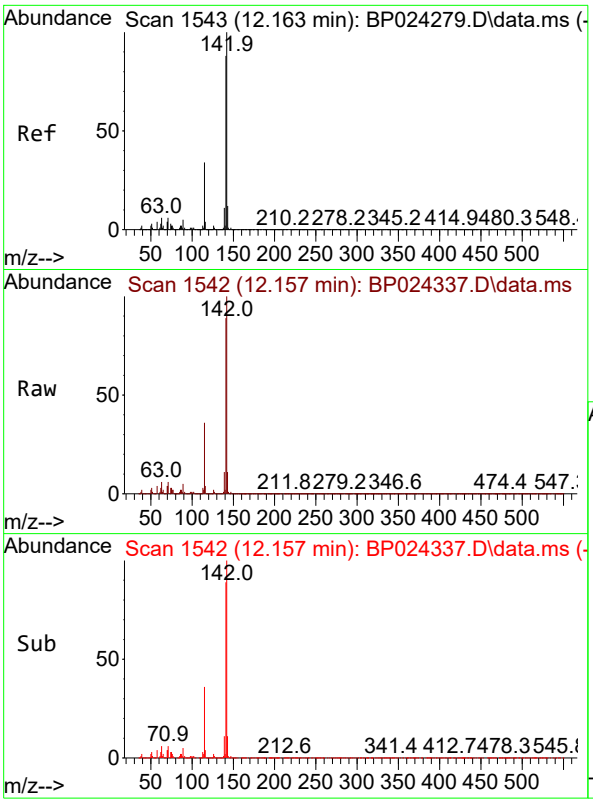


#36
4-Chloro-3-methylphenol
Concen: 39.265 ng
RT: 11.793 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:107 Resp: 562968

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	78.7	63.4	95.2



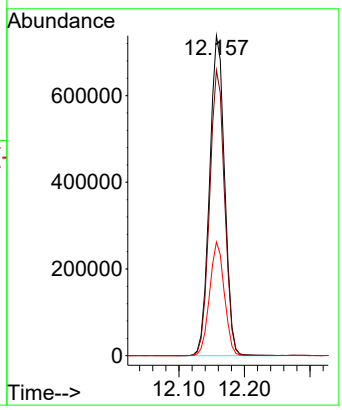


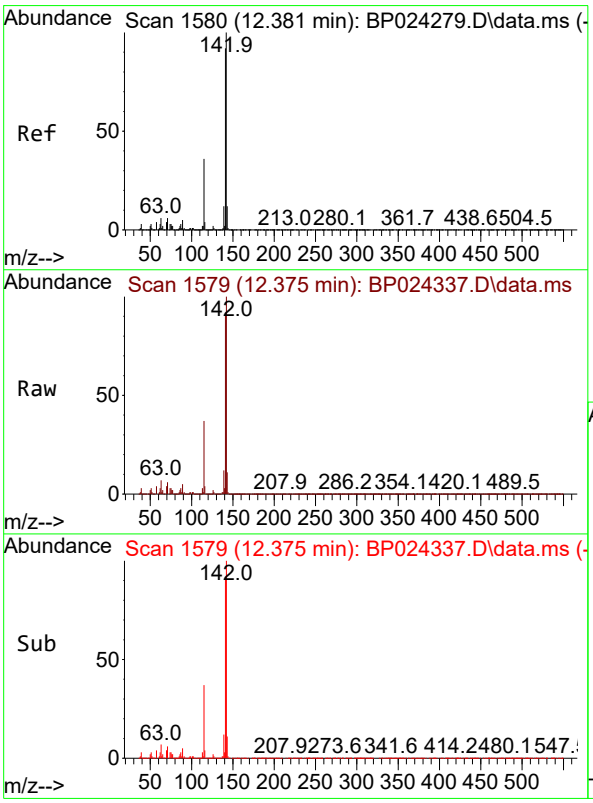
#37
2-Methylnaphthalene
Concen: 37.911 ng
RT: 12.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1172849

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	35.6	26.9	40.3

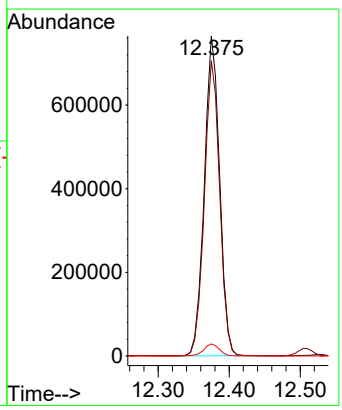


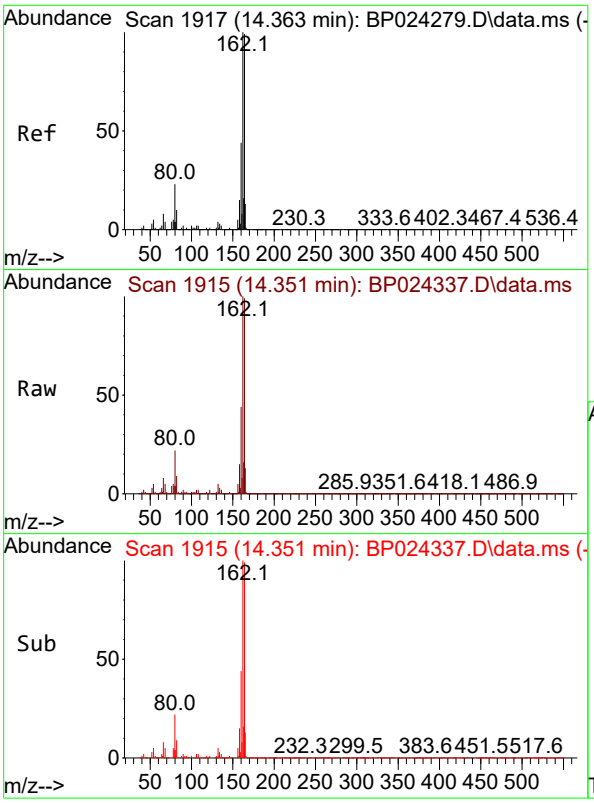


#38
1-Methylnaphthalene
Concen: 37.887 ng
RT: 12.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:142 Resp: 1146644

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.6	110.4
116	3.8	3.0	4.6



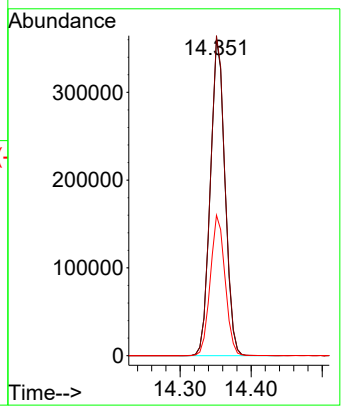


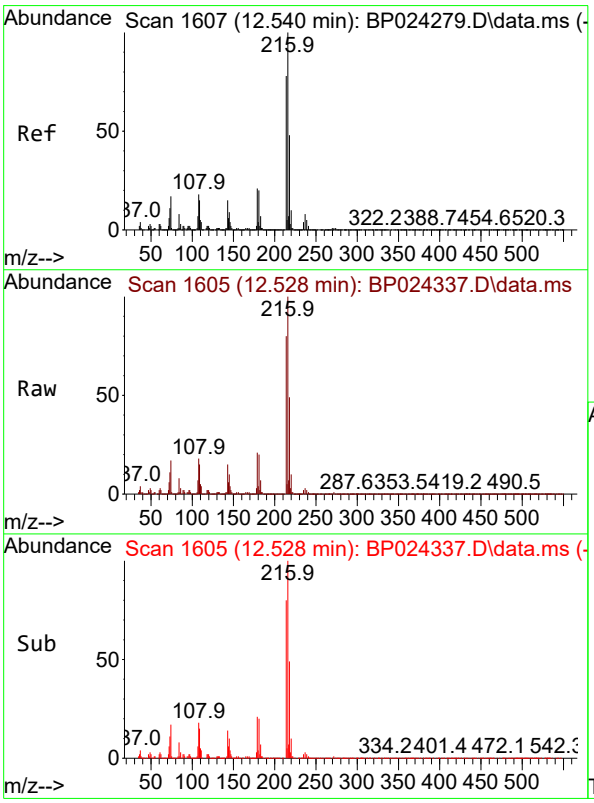
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 515328

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	44.3	35.3	52.9

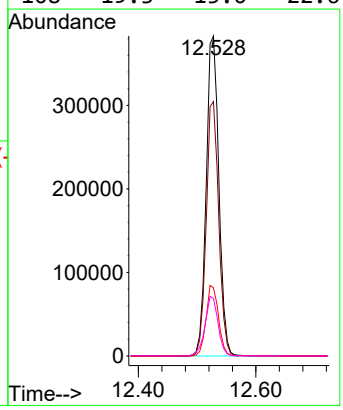


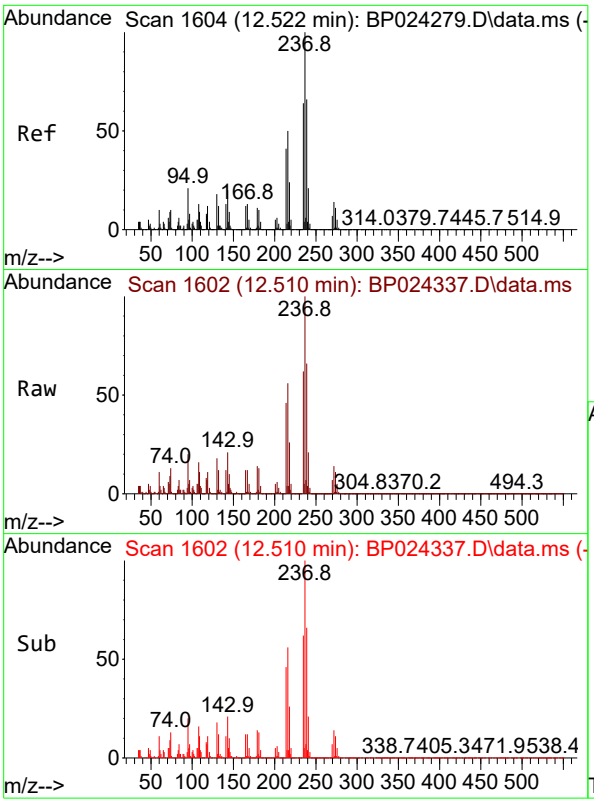


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.237 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:216 Resp: 570219

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.6	93.8
179	21.7	17.2	25.8
108	19.3	15.0	22.6



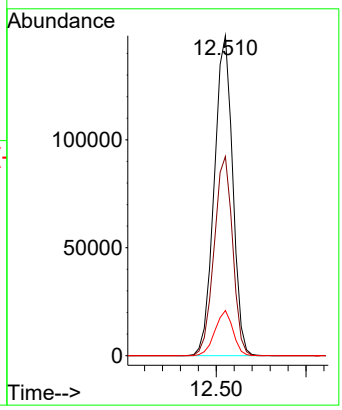


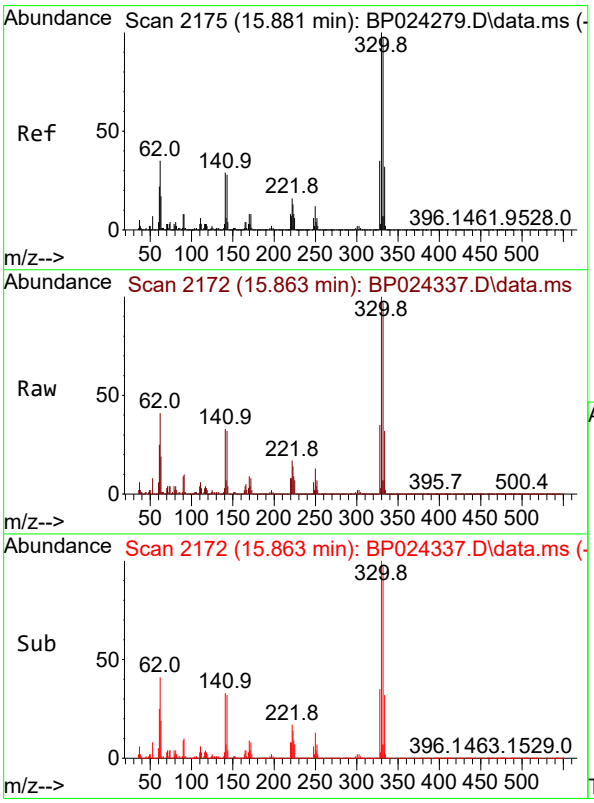
#41
Hexachlorocyclopentadiene
Concen: 42.081 ng
RT: 12.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 210915

Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.9	83.9
272	14.1	0.0	33.6

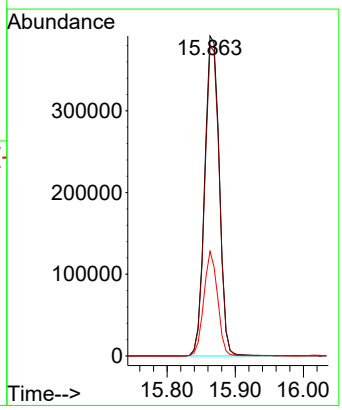


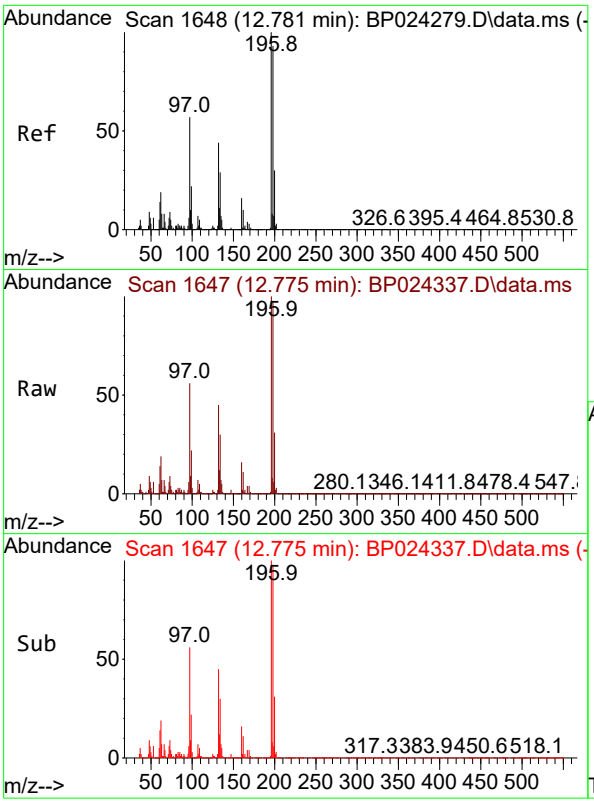


#42
2,4,6-Tribromophenol
Concen: 81.824 ng
RT: 15.863 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:330 Resp: 583395

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	30.8	24.7	37.1



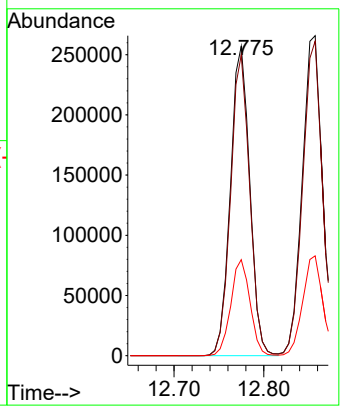


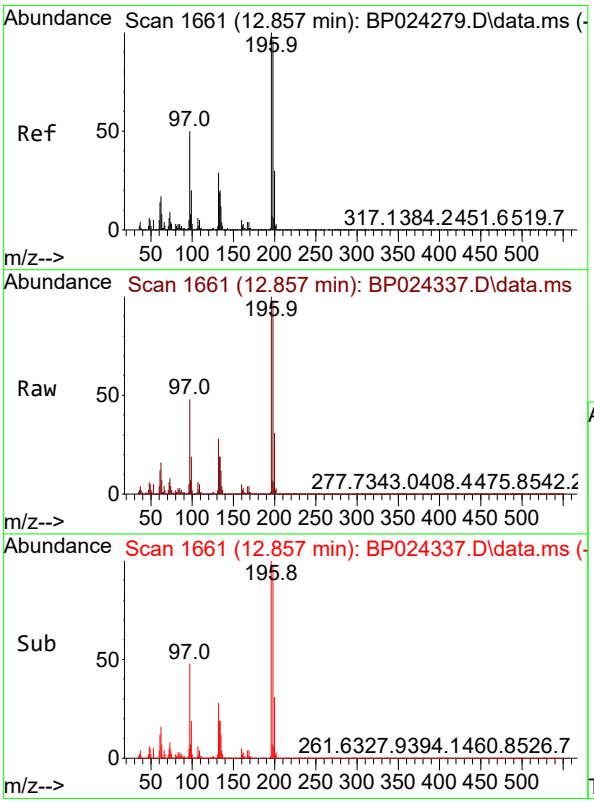
#43
2,4,6-Trichlorophenol
Concen: 40.869 ng
RT: 12.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 385070

Ion	Ratio	Lower	Upper
196	100		
198	97.2	74.3	111.5
200	31.1	24.0	36.0

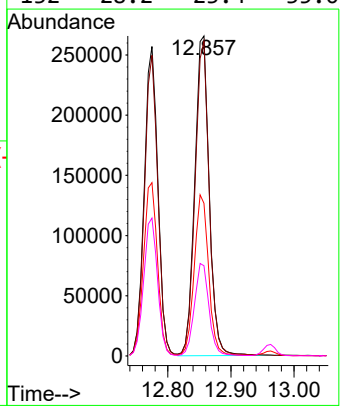


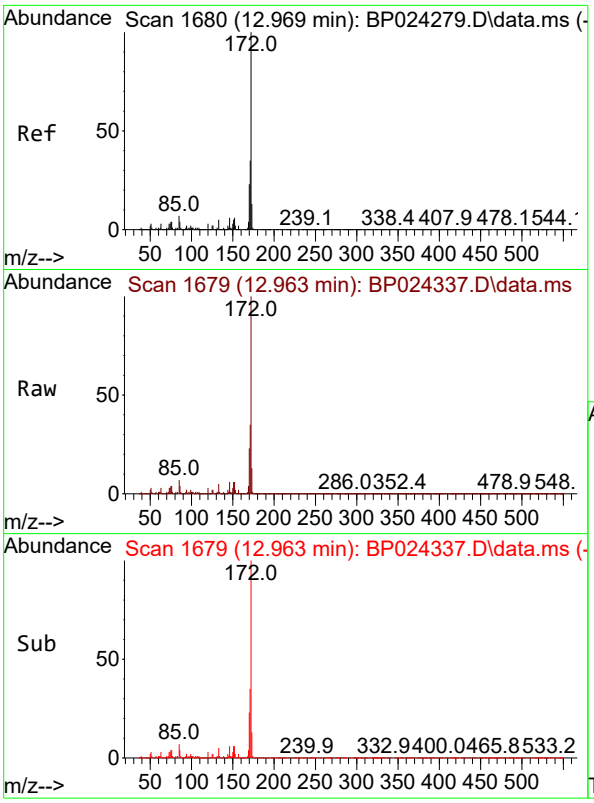


#44
2,4,5-Trichlorophenol
Concen: 40.543 ng
RT: 12.857 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:196 Resp: 423015

Ion	Ratio	Lower	Upper
196	100		
198	98.3	77.3	115.9
97	47.7	40.4	60.6
132	28.2	23.4	35.0



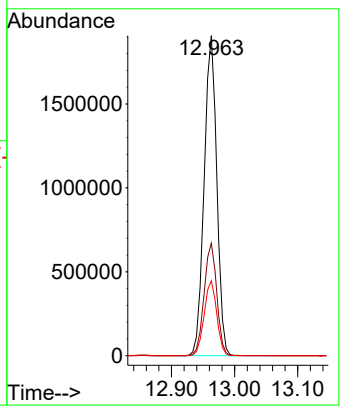


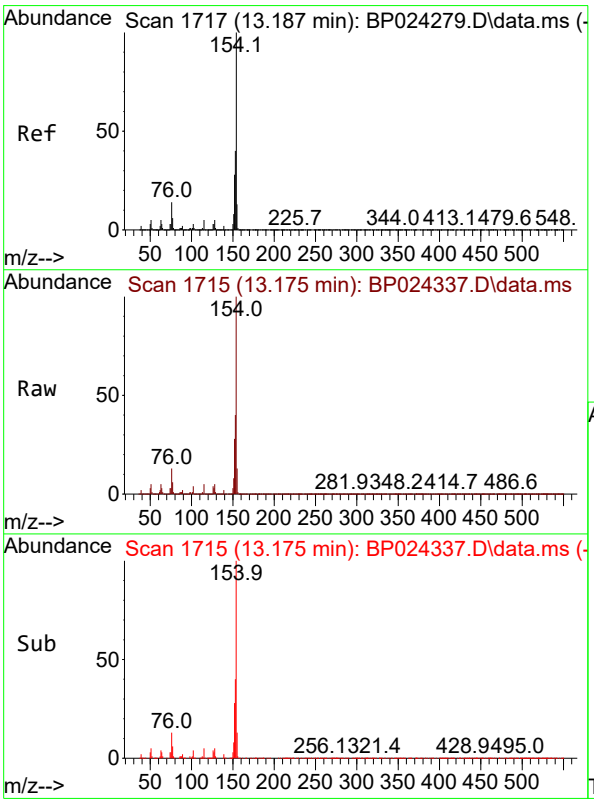
#45
2-Fluorobiphenyl
Concen: 78.834 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2653339

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.4	18.6	27.8

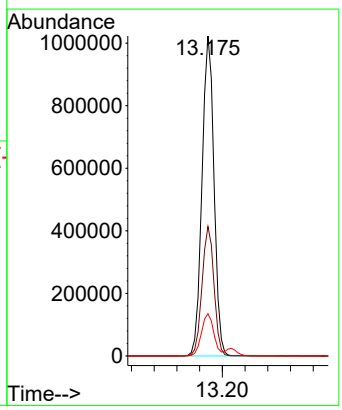


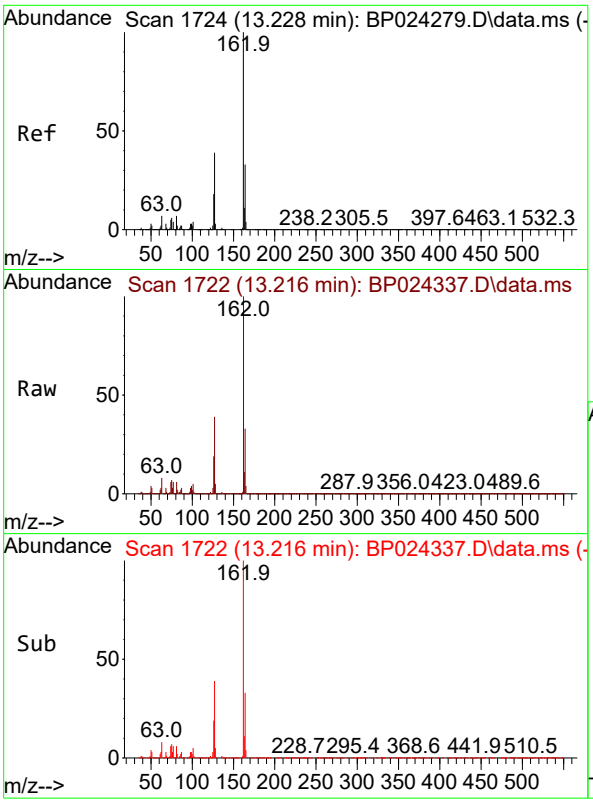


#46
1,1'-Biphenyl
Concen: 39.420 ng
RT: 13.175 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:154 Resp: 1493220

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	13.2	0.0	33.5



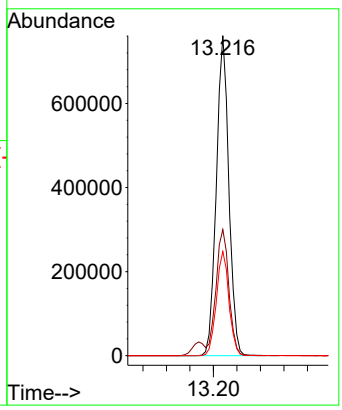


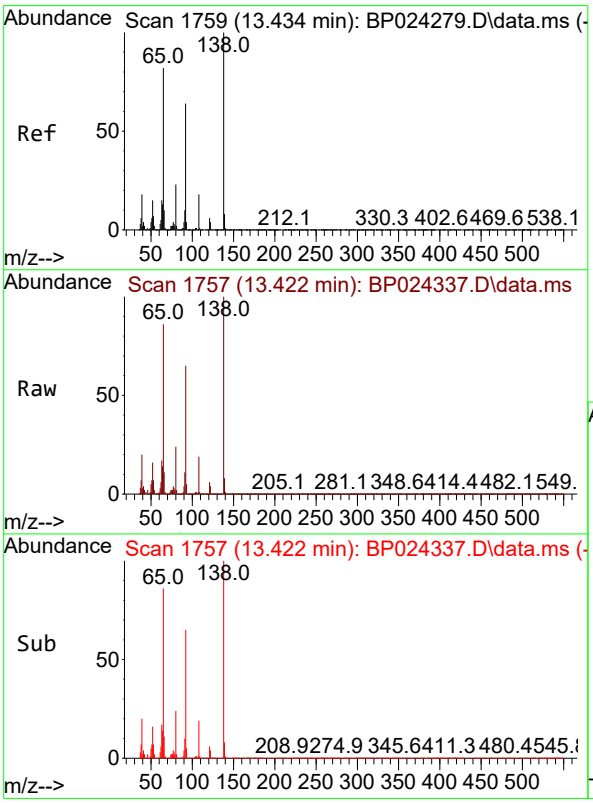
#47
2-Chloronaphthalene
Concen: 39.604 ng
RT: 13.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1121215

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.9	47.9
164	32.6	26.2	39.4

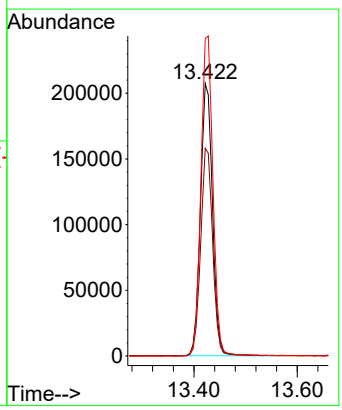


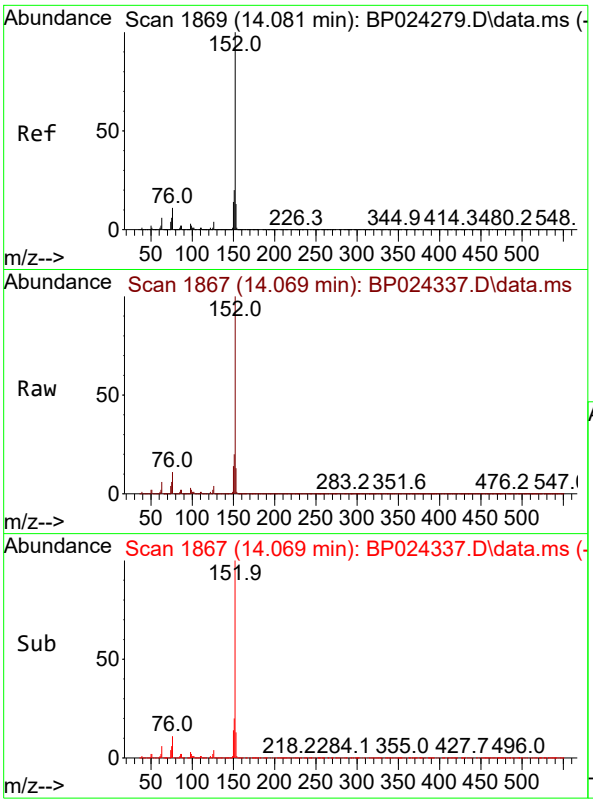


#48
2-Nitroaniline
Concen: 42.379 ng
RT: 13.422 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion: 65 Resp: 336538

Ion	Ratio	Lower	Upper
65	100		
92	76.3	62.3	93.5
138	116.5	97.2	145.8



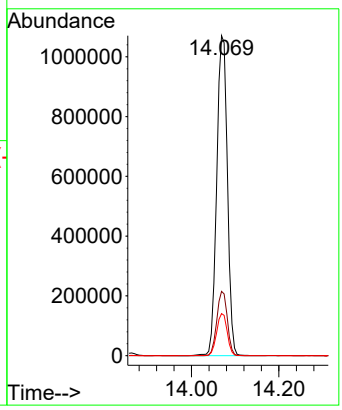


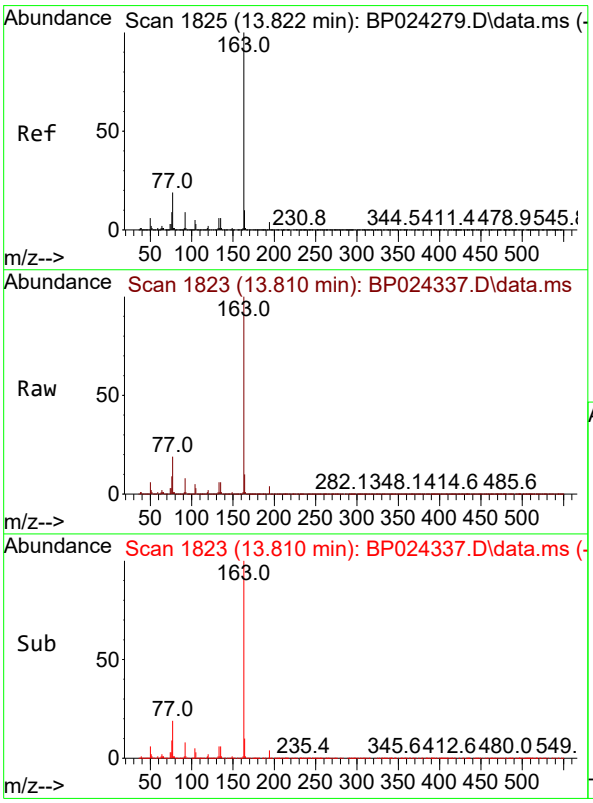
#49
Acenaphthylene
Concen: 40.328 ng
RT: 14.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1797548

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.2	10.6	15.8

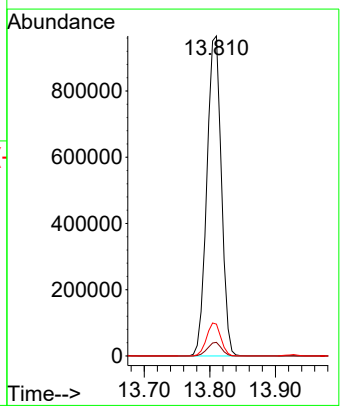


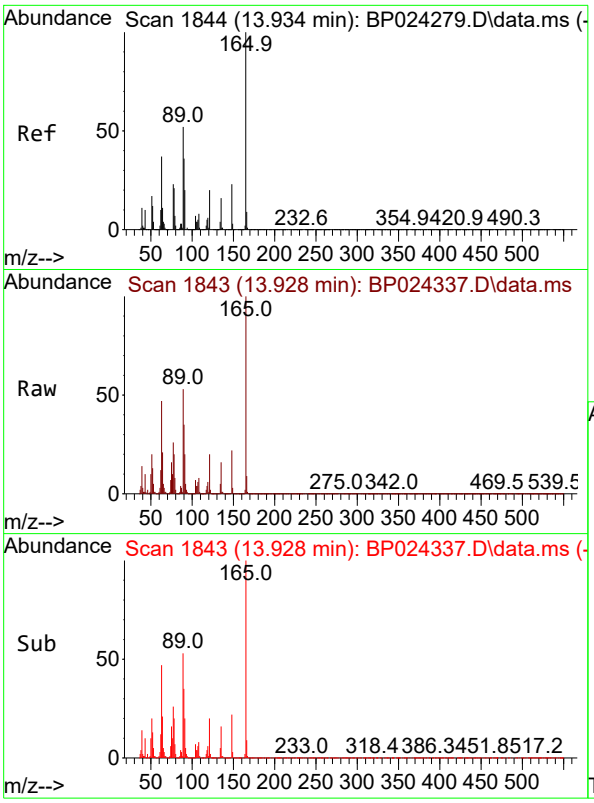


#50
Dimethylphthalate
Concen: 39.587 ng
RT: 13.810 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:163 Resp: 1483545

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0



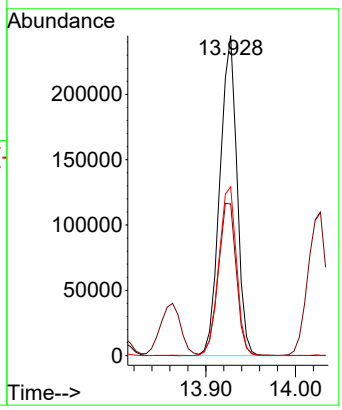


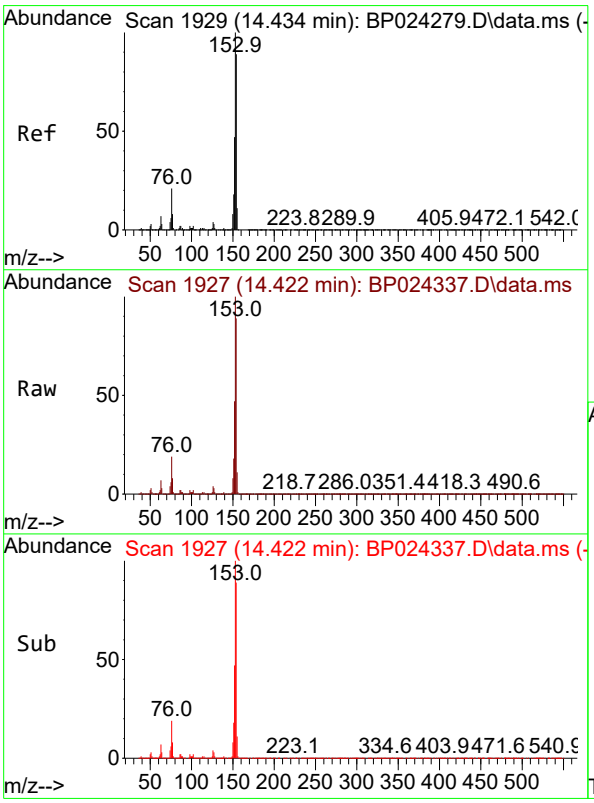
#51
2,6-Dinitrotoluene
Concen: 40.581 ng
RT: 13.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 322936

Ion	Ratio	Lower	Upper
165	100		
63	47.5	38.0	57.0
89	52.8	41.7	62.5

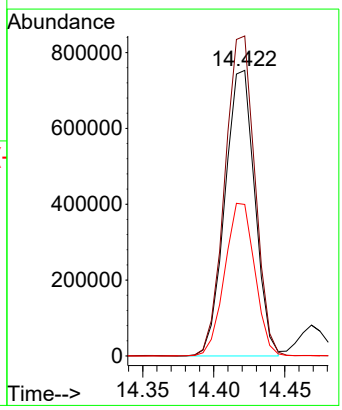


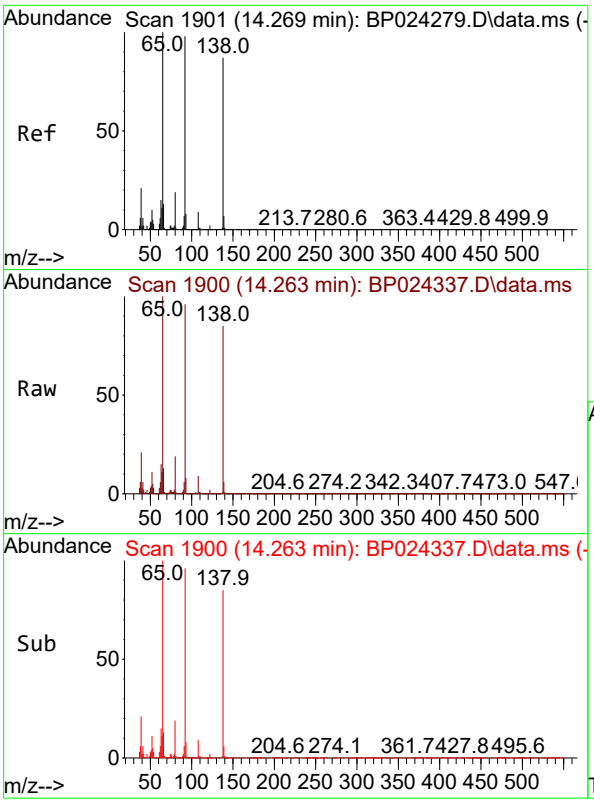


#52
Acenaphthene
Concen: 38.953 ng
RT: 14.422 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:154 Resp: 1100724

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.8	134.6
152	53.0	42.6	63.8



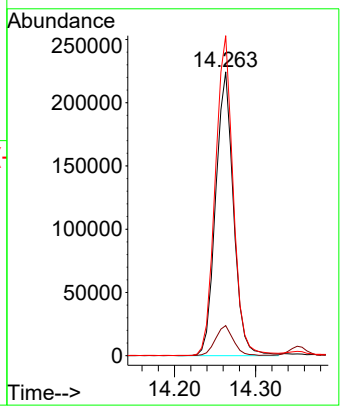


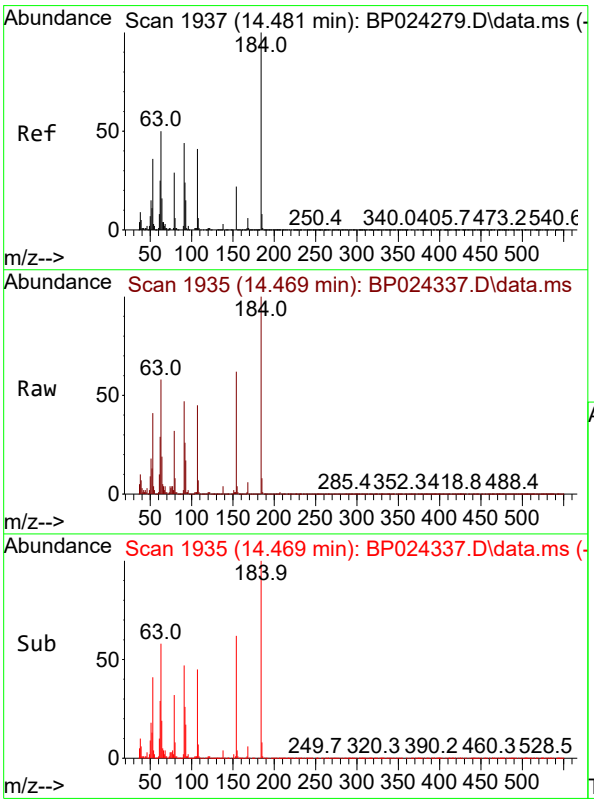
#53
3-Nitroaniline
Concen: 41.032 ng
RT: 14.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 343184

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.3	12.5
92	112.7	89.8	134.8

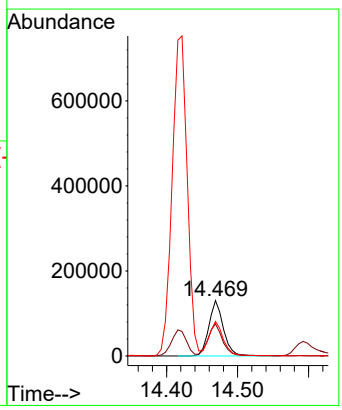


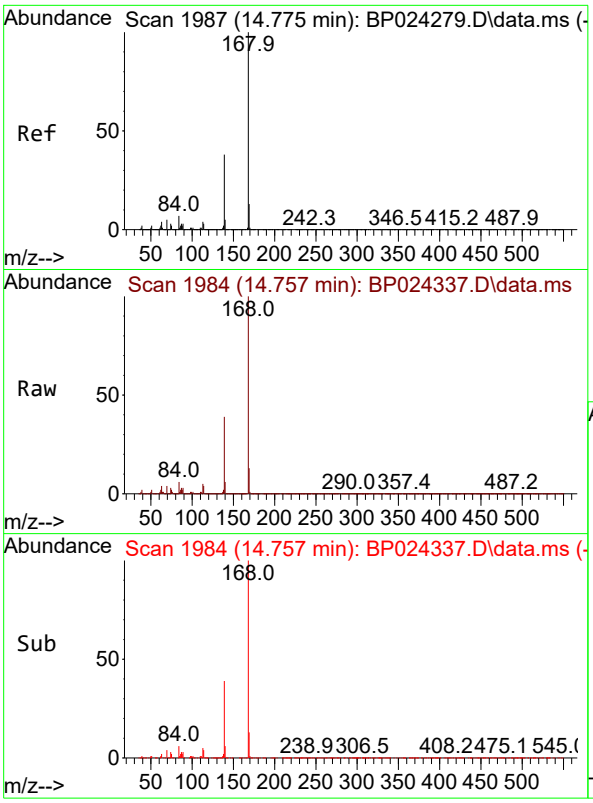


#54
2,4-Dinitrophenol
Concen: 39.510 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:184 Resp: 185205

Ion	Ratio	Lower	Upper
184	100		
63	58.0	42.6	64.0
154	62.4	47.2	70.8



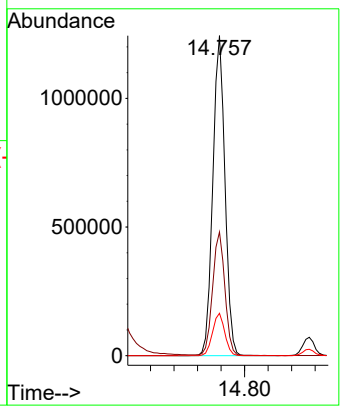


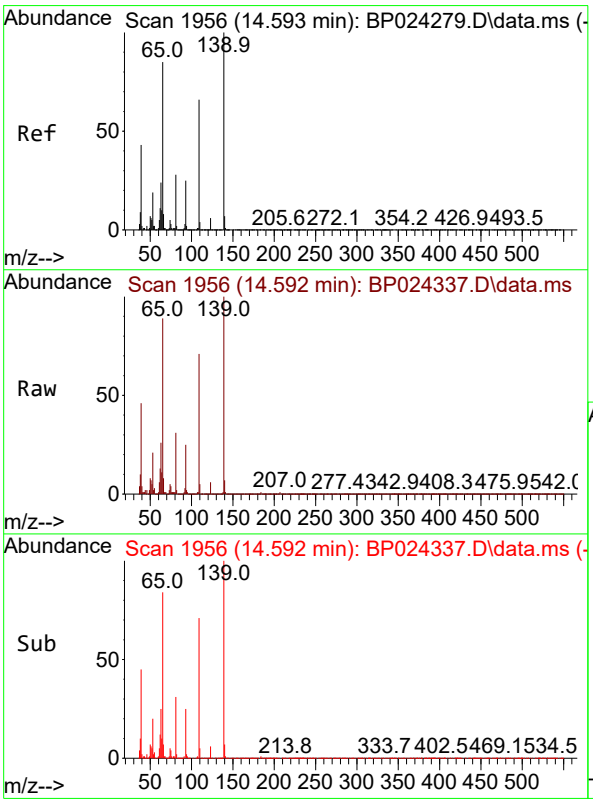
#55
Dibenzofuran
Concen: 38.557 ng
RT: 14.757 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1780942

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.3	45.5
169	13.3	10.6	16.0

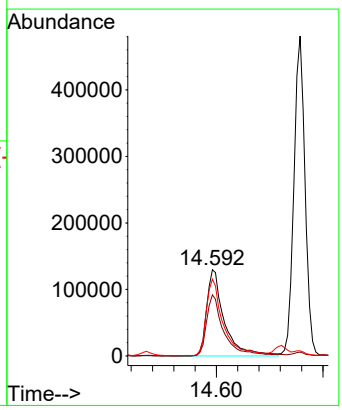


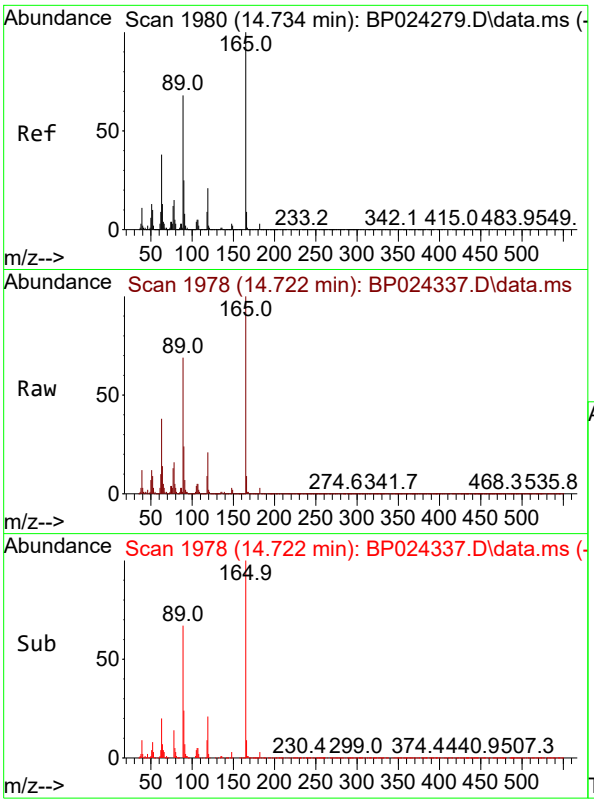


#56
4-Nitrophenol
Concen: 40.920 ng
RT: 14.592 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:139 Resp: 295587

Ion	Ratio	Lower	Upper
139	100		
109	70.9	46.1	86.1
65	89.1	65.0	105.0



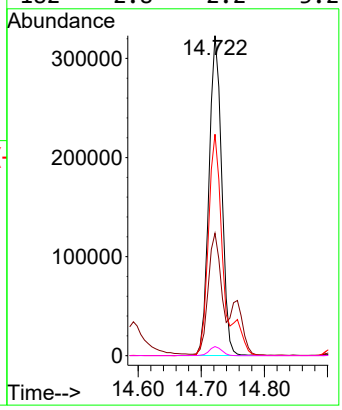


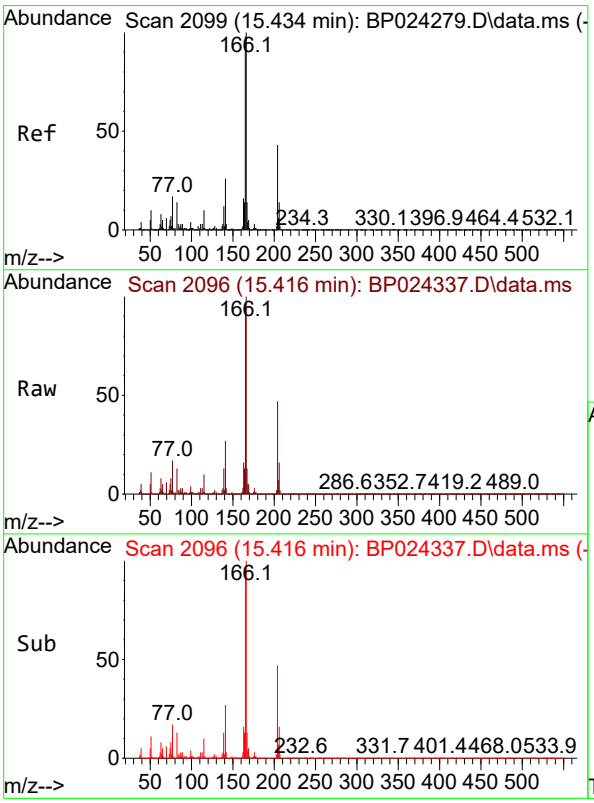
#57
2,4-Dinitrotoluene
Concen: 41.411 ng
RT: 14.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 449538

Ion	Ratio	Lower	Upper
165	100		
63	38.2	30.4	45.6
89	69.2	54.6	82.0
182	2.8	2.2	3.2

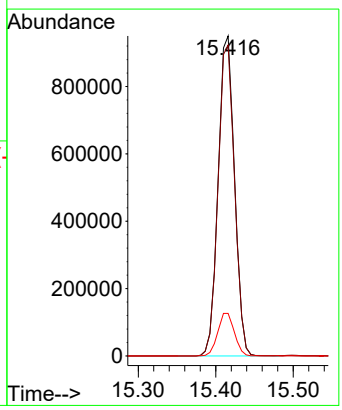


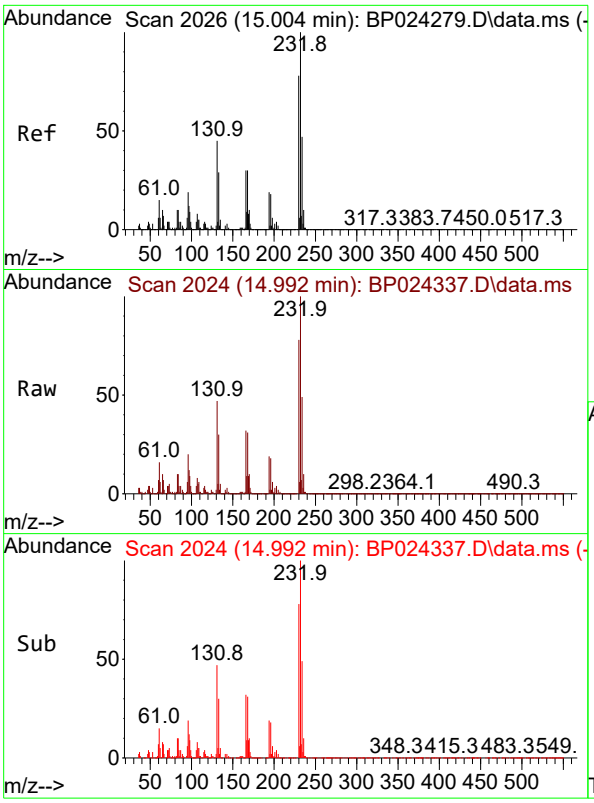


#58
Fluorene
Concen: 39.051 ng
RT: 15.416 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:166 Resp: 1396325

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.3	10.9	16.3



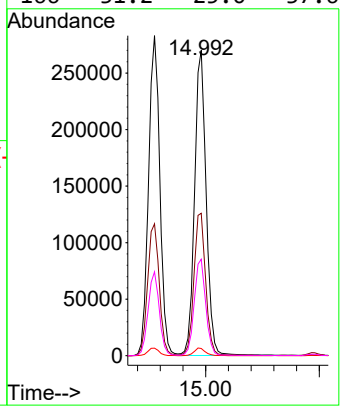


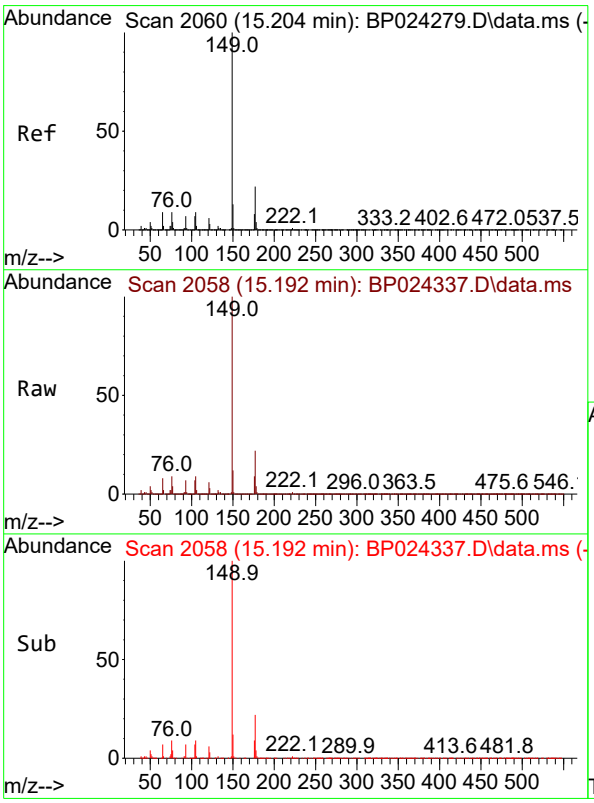
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.901 ng
RT: 14.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 383967

Ion	Ratio	Lower	Upper
232	100		
131	47.4	36.8	55.2
130	2.5	1.9	2.9
166	31.2	25.0	37.6

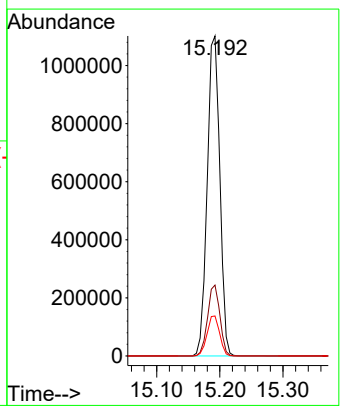


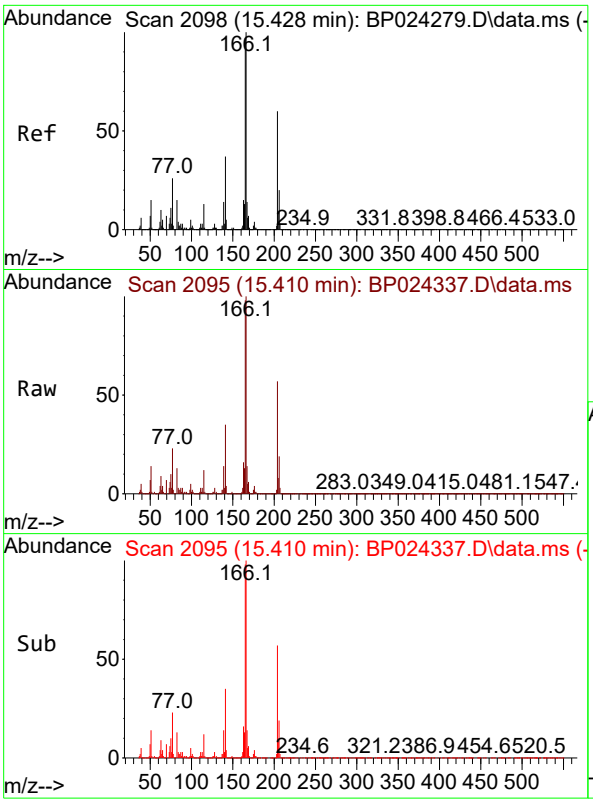


#60
Diethylphthalate
Concen: 39.502 ng
RT: 15.192 min Scan# 2058
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:149 Resp: 1525543

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.4	26.2
150	12.5	10.1	15.1



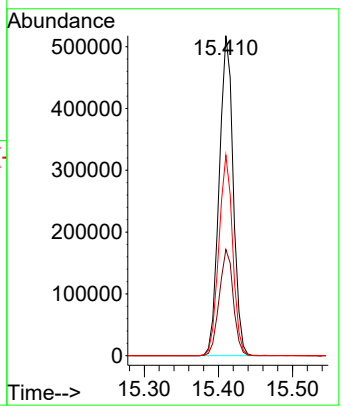


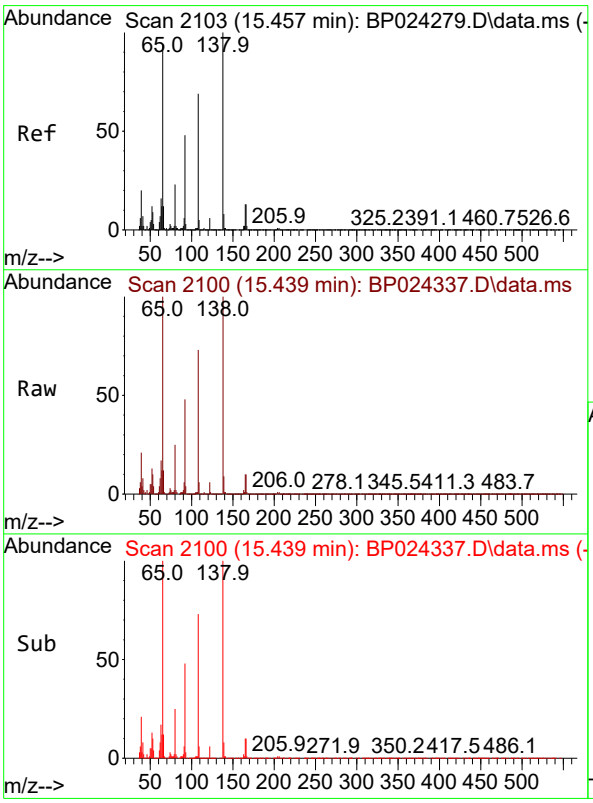
#61
4-Chlorophenyl-phenylether
Concen: 39.086 ng
RT: 15.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 678675

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	62.6	49.4	74.0

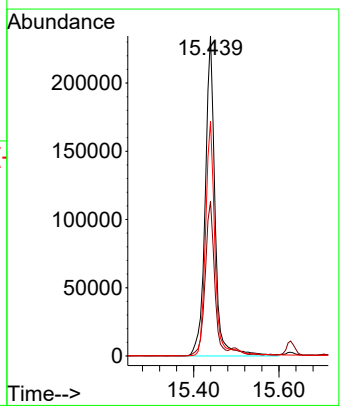


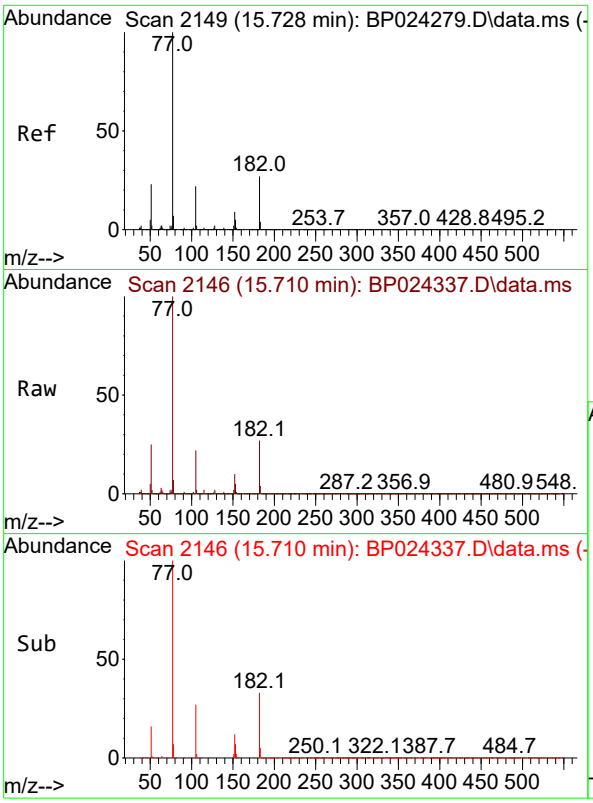


#62
4-Nitroaniline
Concen: 42.466 ng
RT: 15.439 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:138 Resp: 375998

Ion	Ratio	Lower	Upper
138	100		
92	48.3	27.8	67.8
108	73.4	48.9	88.9



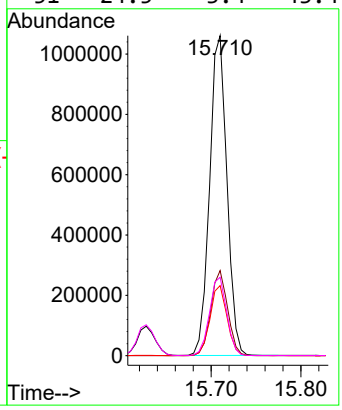


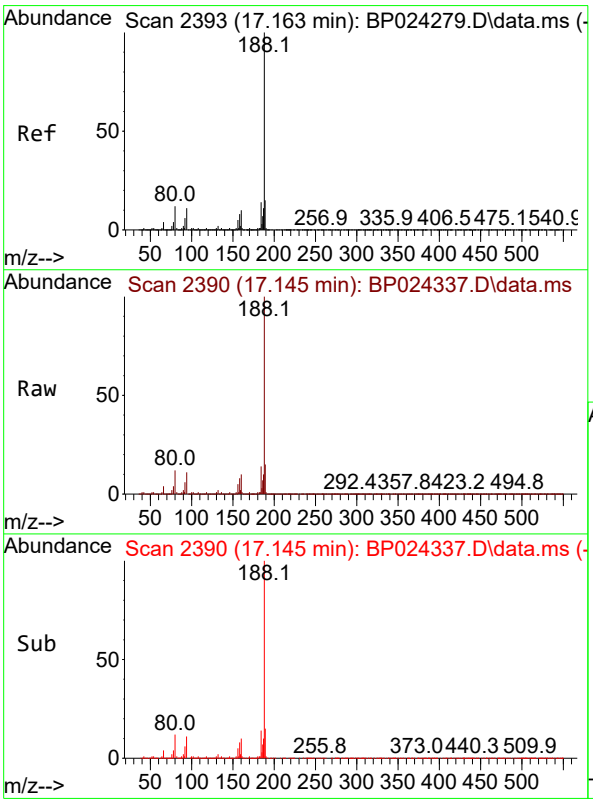
#63
Azobenzene
Concen: 39.906 ng
RT: 15.710 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1416478

Ion	Ratio	Lower	Upper
77	100		
182	26.6	7.3	47.3
105	21.9	2.3	42.3
51	24.5	3.4	43.4

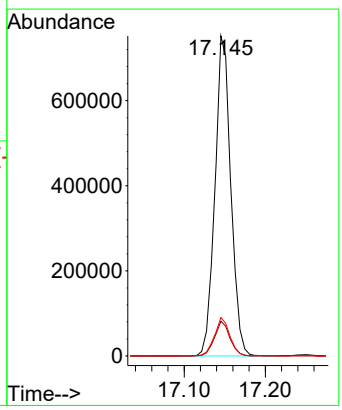


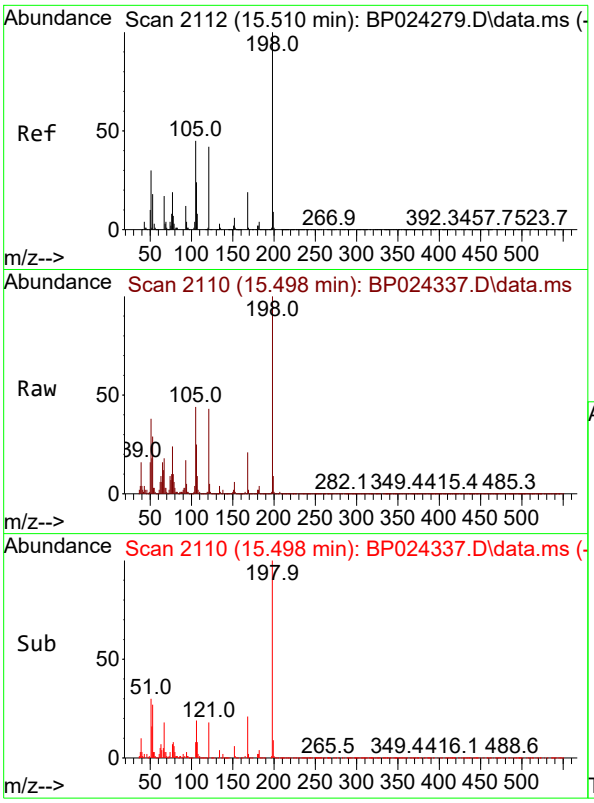


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2390
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:188 Resp: 1022762

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.0	9.8	14.6



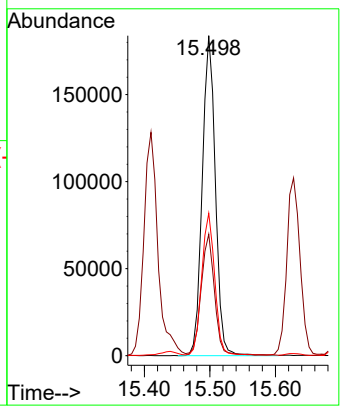


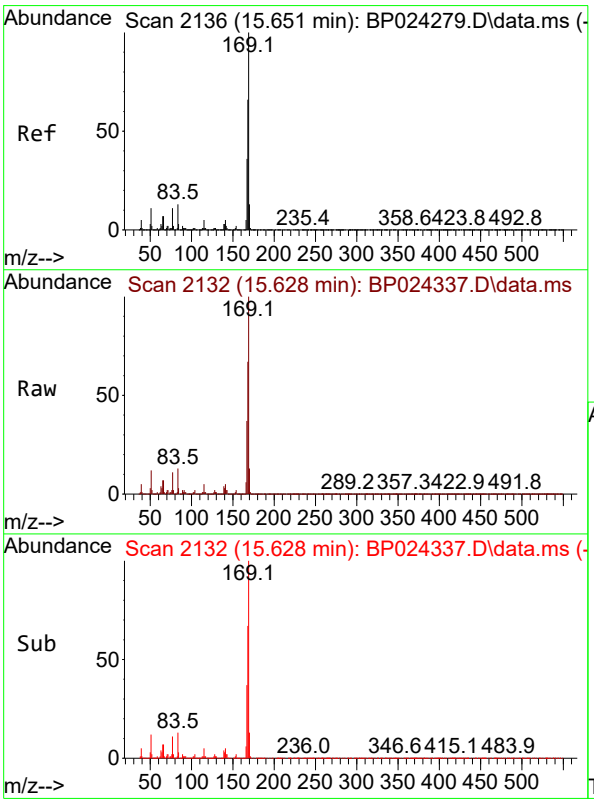
#65
4,6-Dinitro-2-methylphenol
Concen: 39.788 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 256561

Ion	Ratio	Lower	Upper
198	100		
51	38.0	18.4	58.4
105	44.5	26.5	66.5

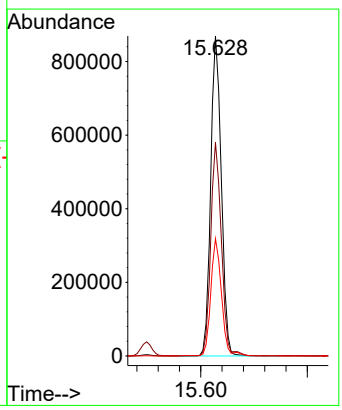


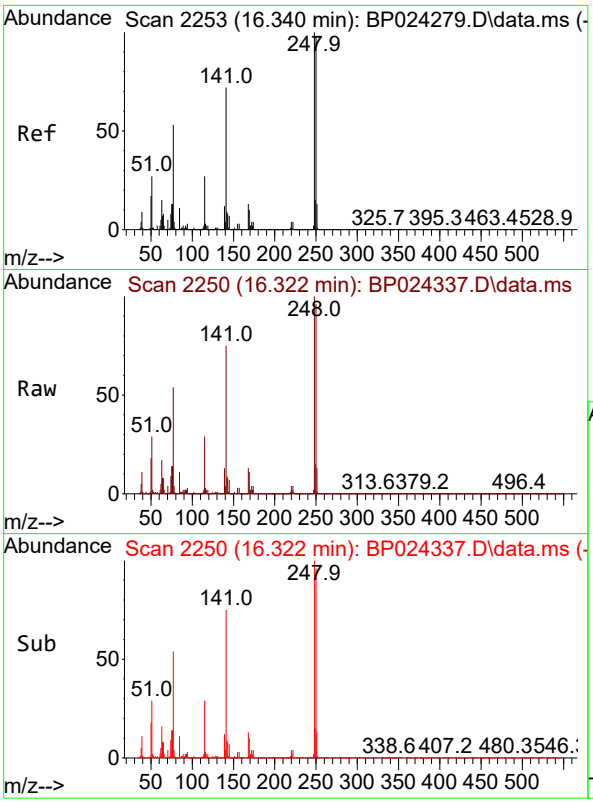


#66
n-Nitrosodiphenylamine
Concen: 39.250 ng
RT: 15.628 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:169 Resp: 1198193

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	36.6	28.9	43.3



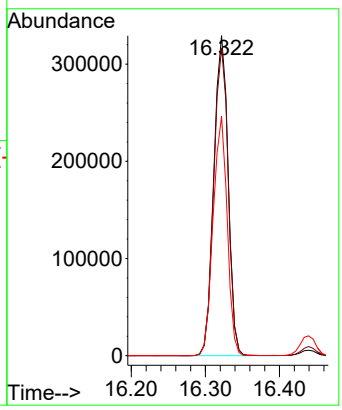


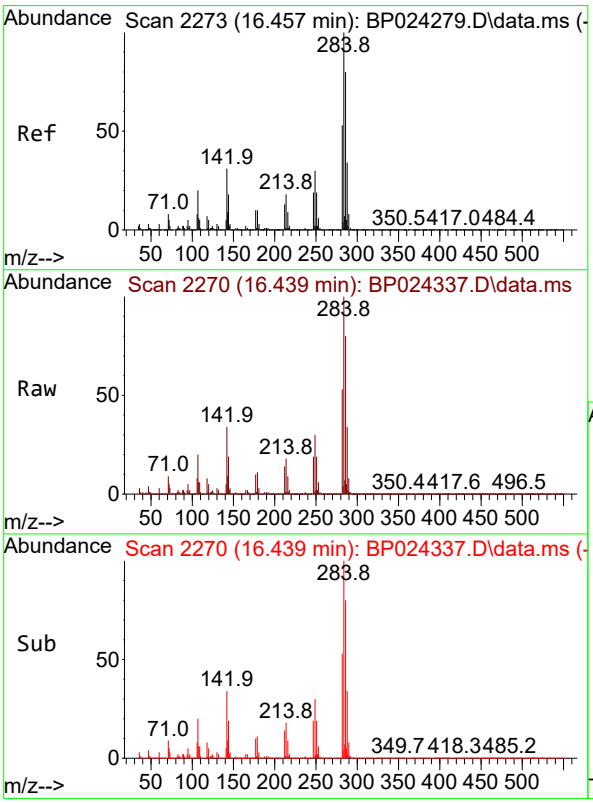
#67
4-Bromophenyl-phenylether
Concen: 39.551 ng
RT: 16.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 442408

Ion	Ratio	Lower	Upper
248	100		
250	96.2	78.2	117.4
141	74.7	57.7	86.5

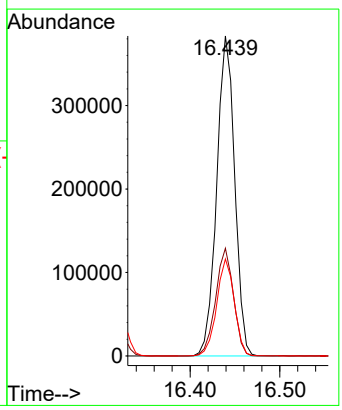


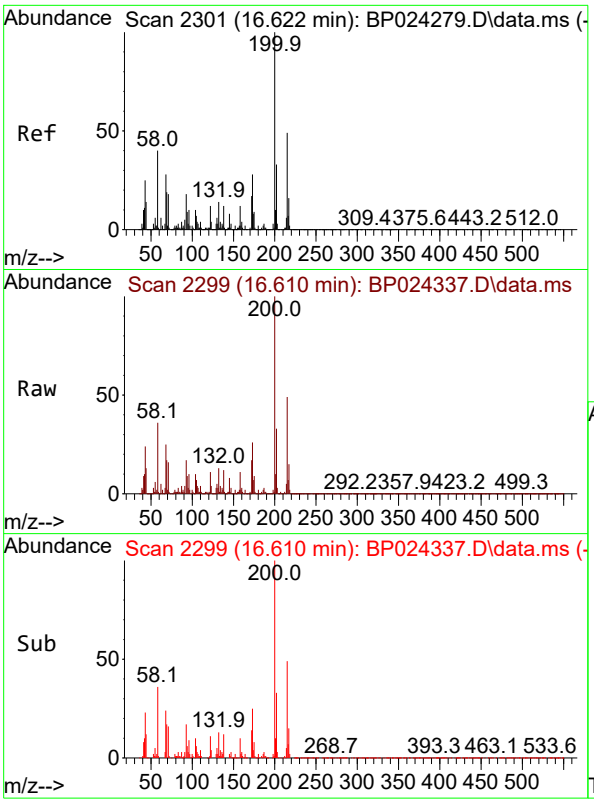


#68
Hexachlorobenzene
Concen: 40.096 ng
RT: 16.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:284 Resp: 532941

Ion	Ratio	Lower	Upper
284	100		
142	33.6	24.6	37.0
249	30.3	23.8	35.6



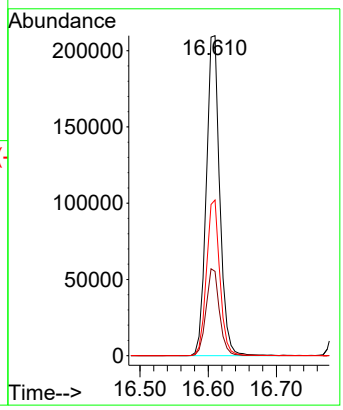


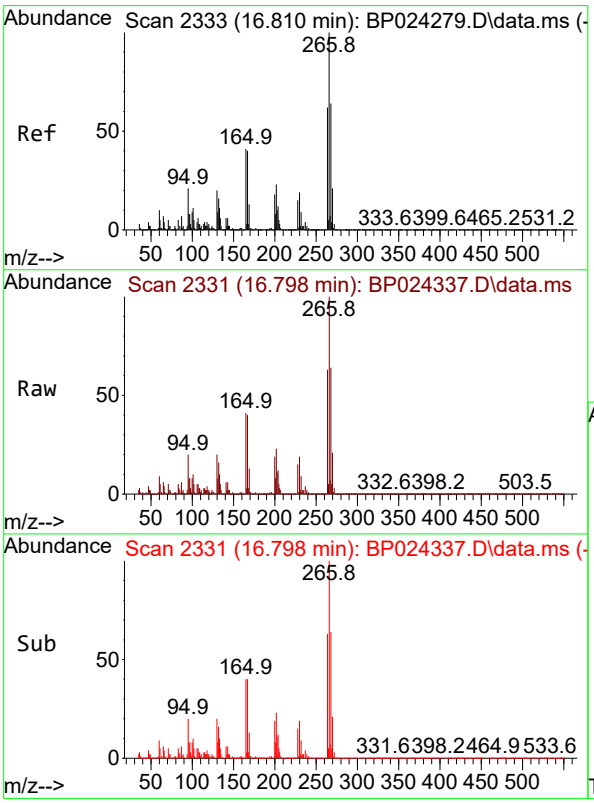
#69
Atrazine
Concen: 36.999 ng
RT: 16.610 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 287663

Ion	Ratio	Lower	Upper
200	100		
173	26.3	7.5	47.5
215	48.6	28.8	68.8

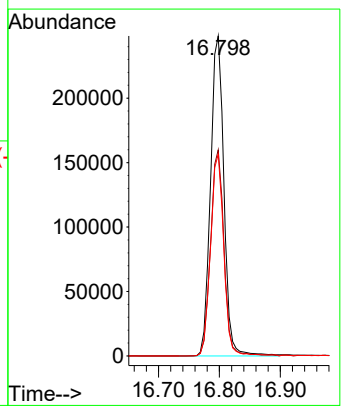


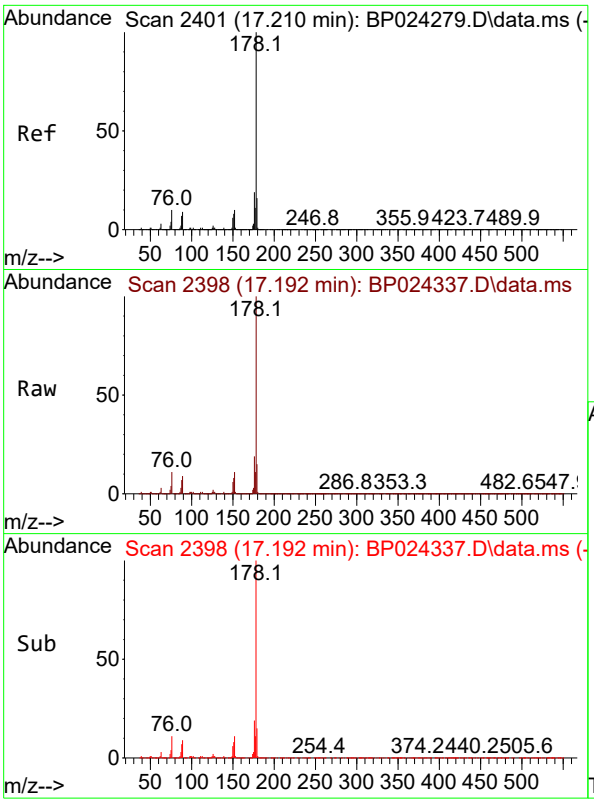


#70
Pentachlorophenol
Concen: 40.856 ng
RT: 16.798 min Scan# 2331
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:266 Resp: 378846

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.0	76.6
264	63.0	49.8	74.6



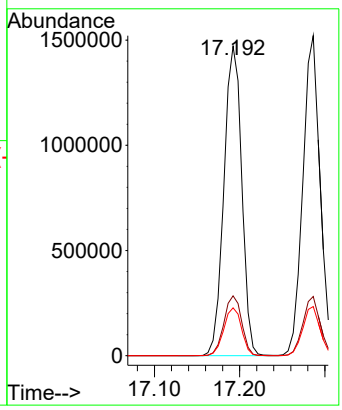


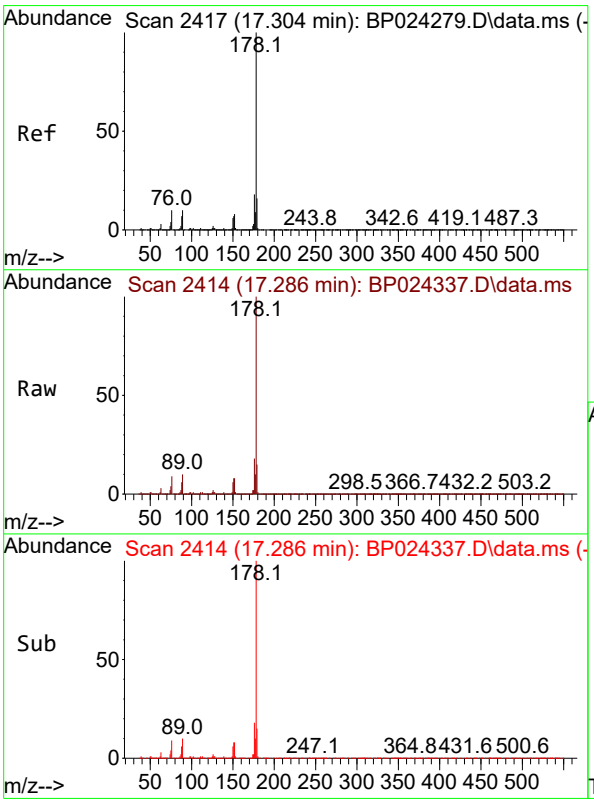
#71
Phenanthrene
Concen: 38.435 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2144441

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.5	18.7

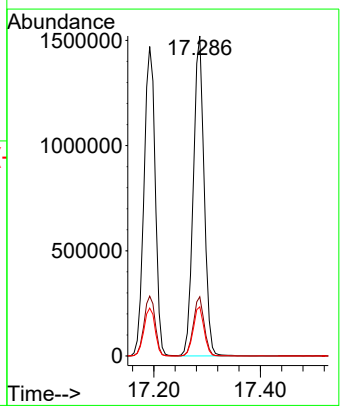


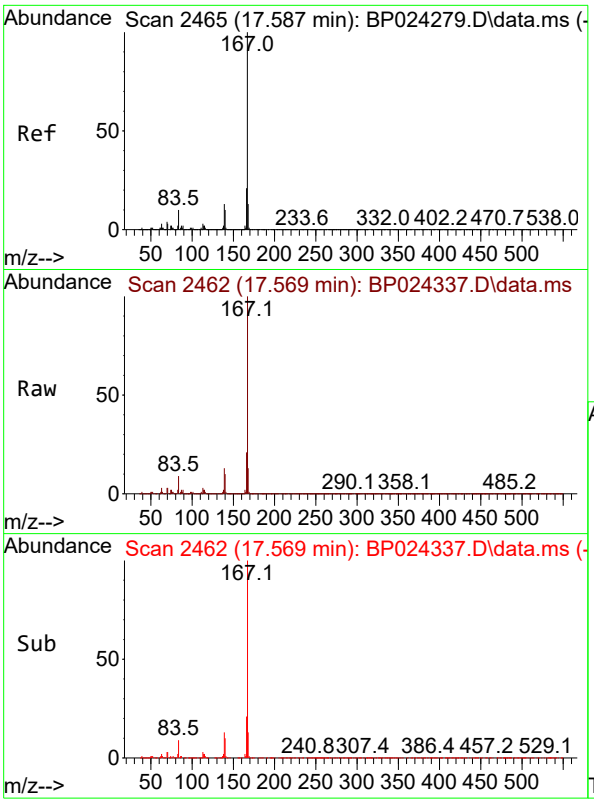


#72
Anthracene
Concen: 39.817 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:178 Resp: 2141143

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.3	12.4	18.6



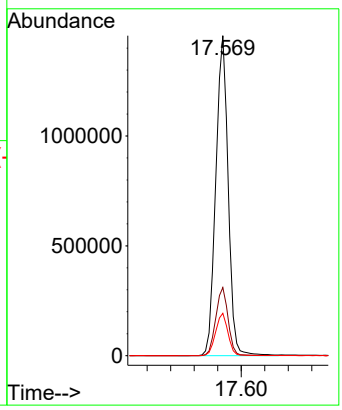


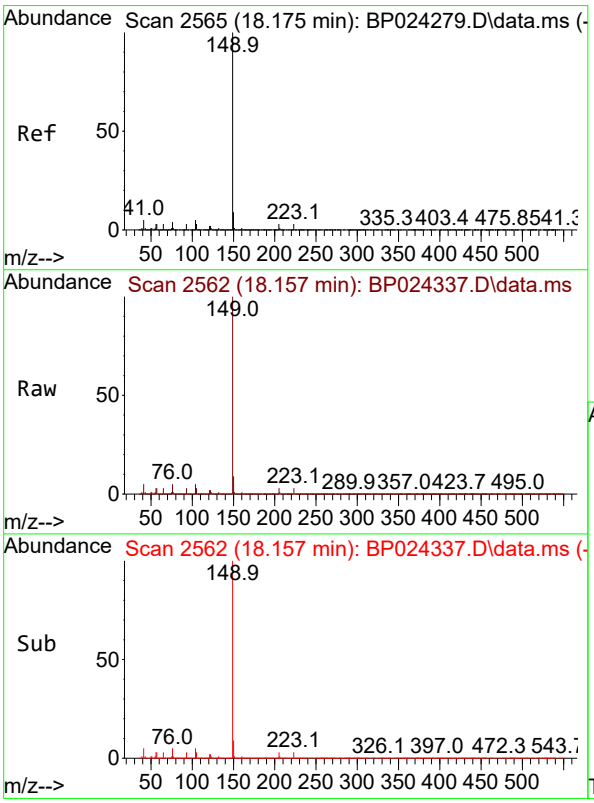
#73
Carbazole
Concen: 40.499 ng
RT: 17.569 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2127901

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	13.2	10.6	16.0

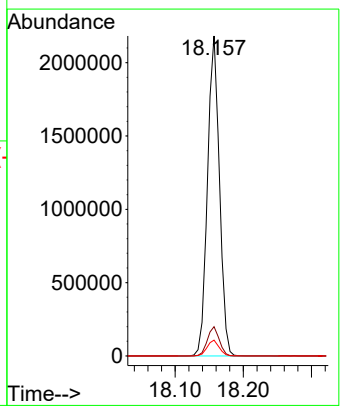


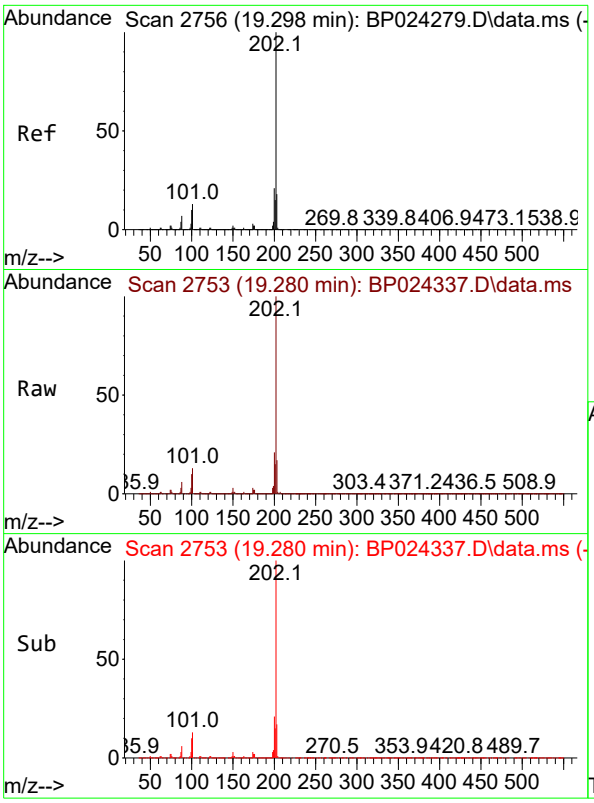


#74
Di-n-butylphthalate
Concen: 40.593 ng
RT: 18.157 min Scan# 2562
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:149 Resp: 2657254

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.9	5.9



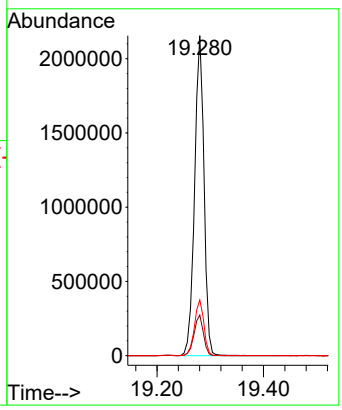


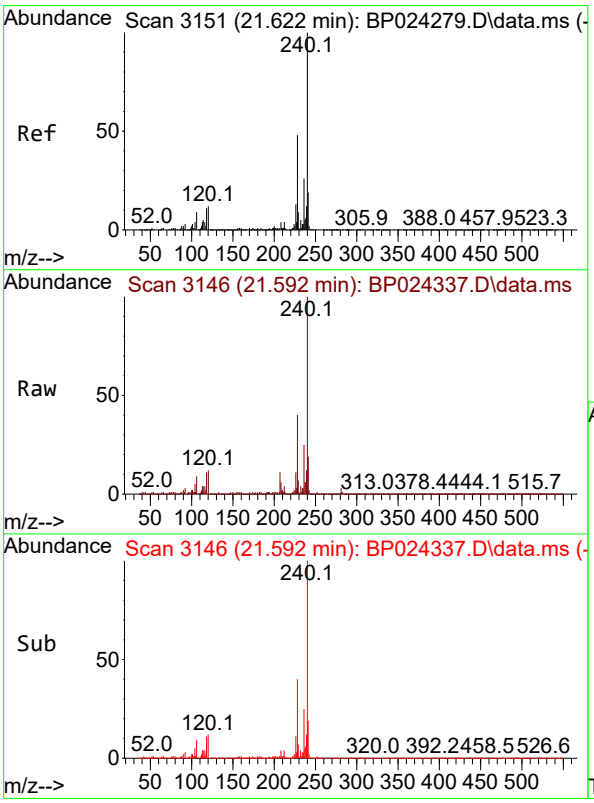
#75
Fluoranthene
Concen: 39.831 ng
RT: 19.280 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2643103

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.4	0.0	37.7

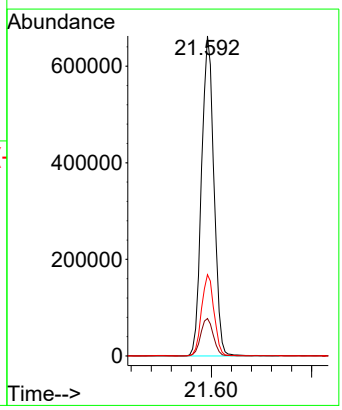


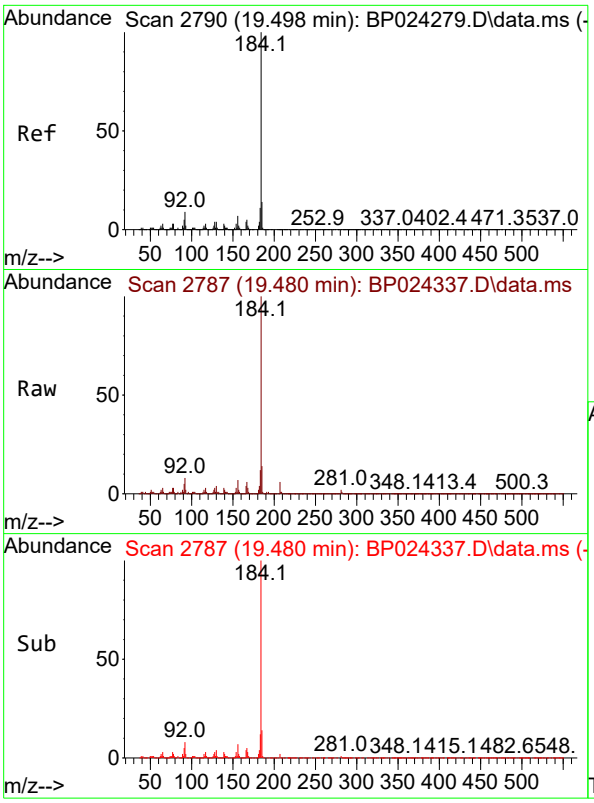


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:240 Resp: 1136570

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	25.4	20.9	31.3



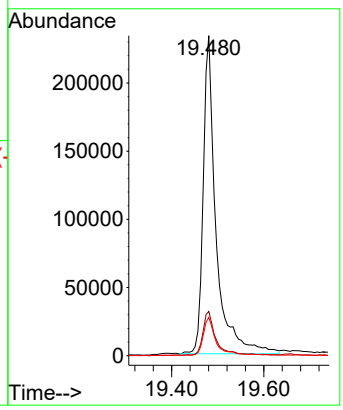


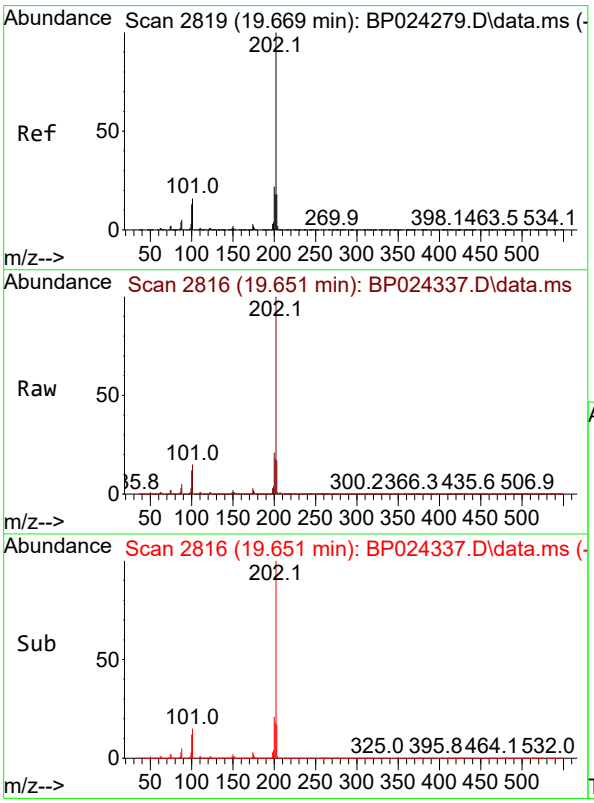
#77
Benzidine
Concen: 31.553 ng
RT: 19.480 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 454587

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.6	17.4
183	12.0	9.2	13.8

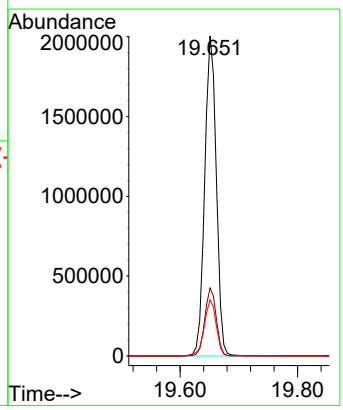


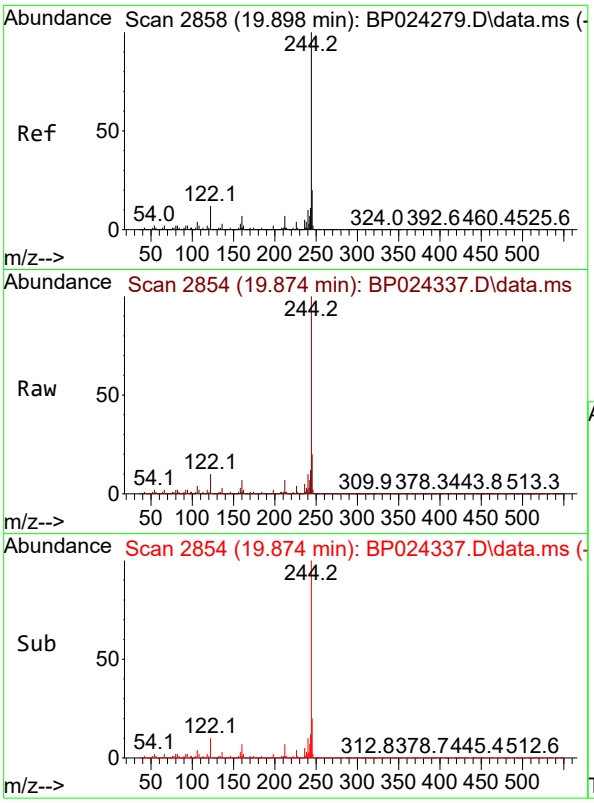


#78
Pyrene
Concen: 37.812 ng
RT: 19.651 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:202 Resp: 2731156

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.5	14.4	21.6



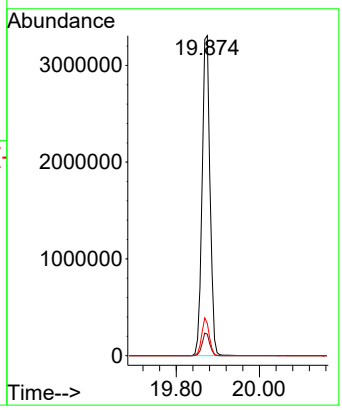


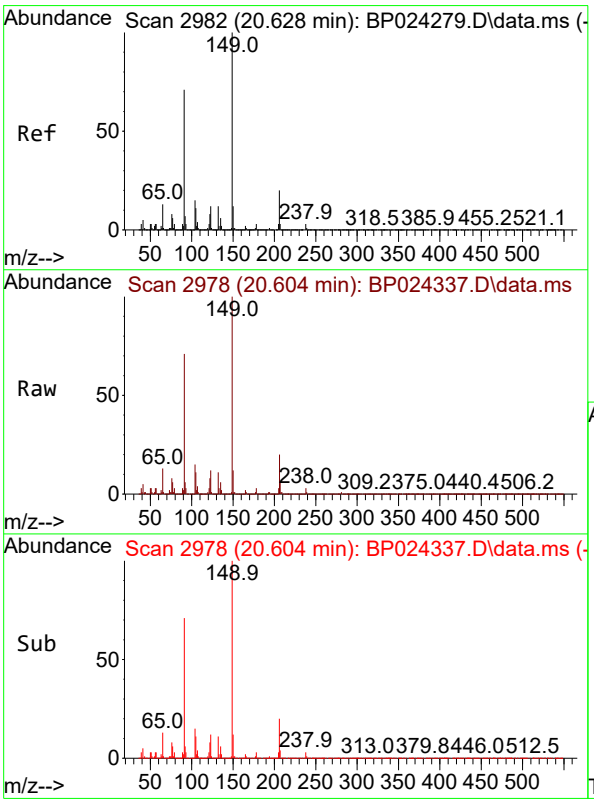
#79
Terphenyl-d14
Concen: 77.374 ng
RT: 19.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 4362908

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.1	9.4	14.0

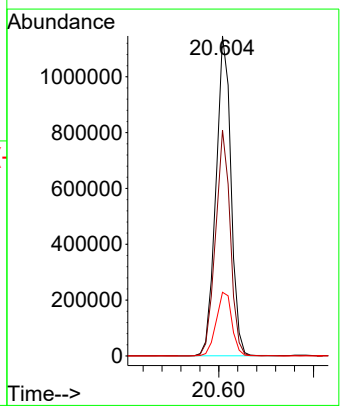


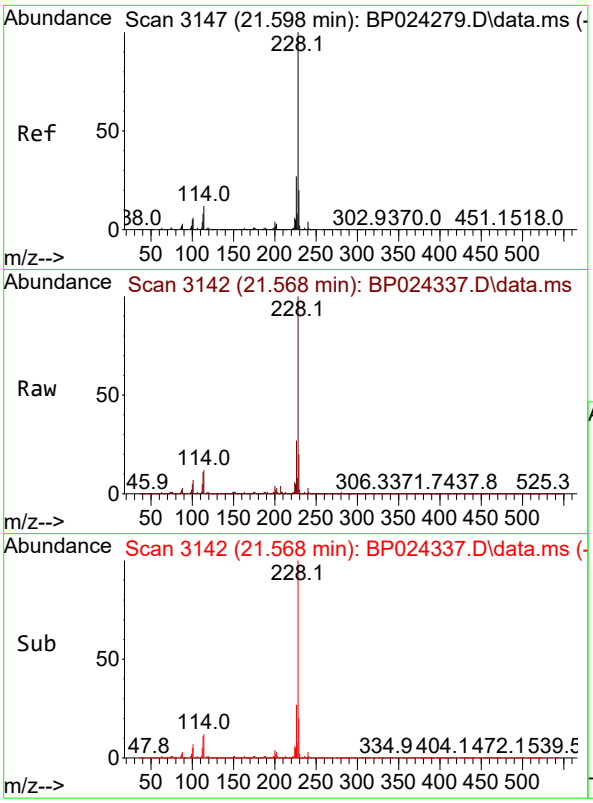


#80
Butylbenzylphthalate
Concen: 40.818 ng
RT: 20.604 min Scan# 2978
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:149 Resp: 1262828

Ion	Ratio	Lower	Upper
149	100		
91	70.6	56.4	84.6
206	19.9	16.3	24.5



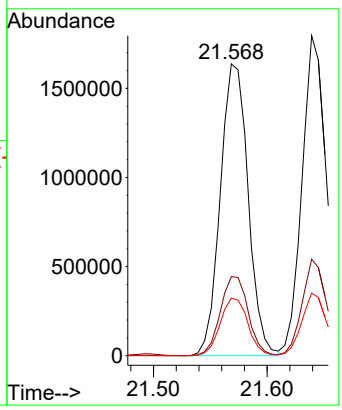


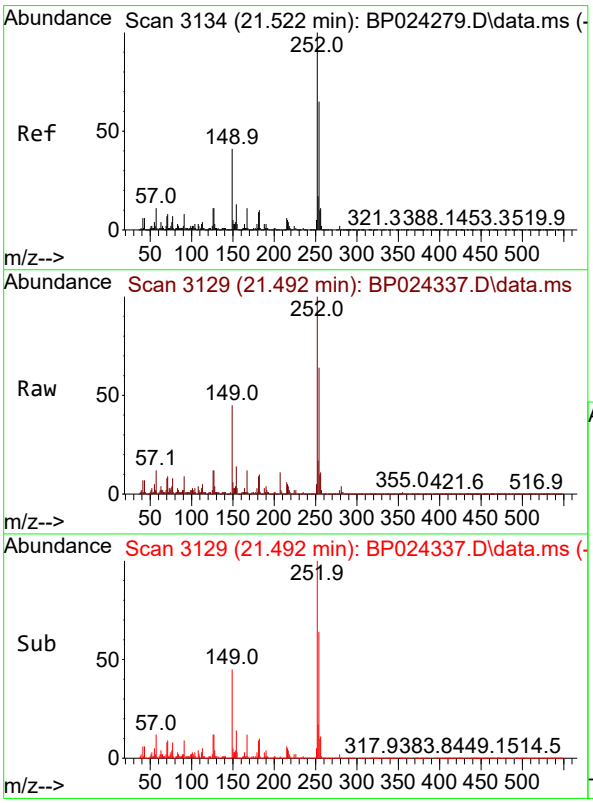
#81
Benzo(a)anthracene
Concen: 39.443 ng
RT: 21.568 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2786470

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.8	15.9	23.9

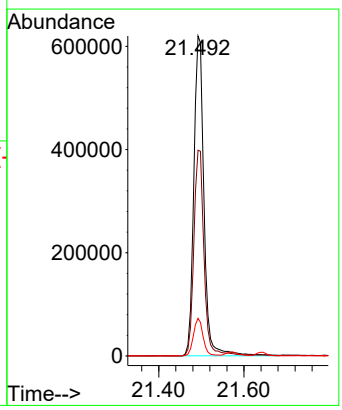


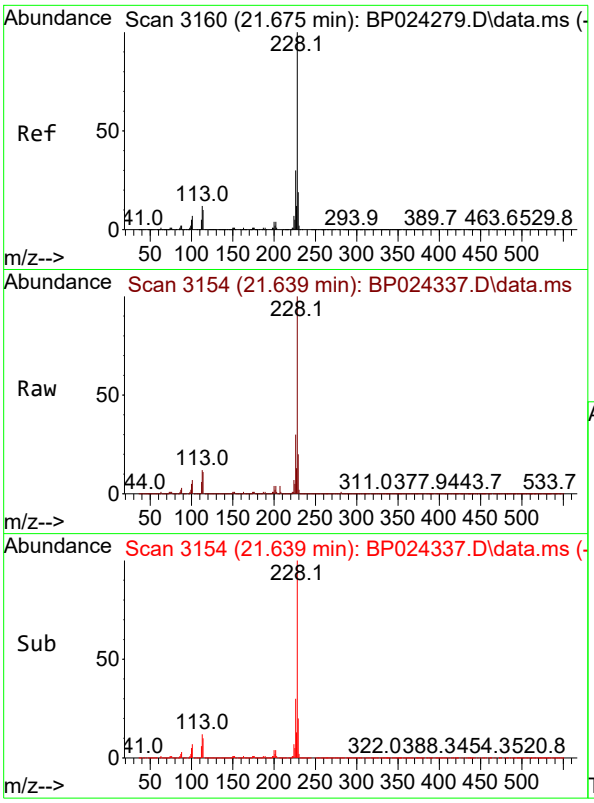


#82
3,3'-Dichlorobenzidine
Concen: 41.452 ng
RT: 21.492 min Scan# 3129
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:252 Resp: 1027829

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.7	77.5
126	11.7	8.8	13.2



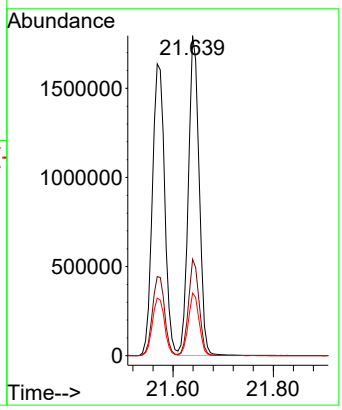


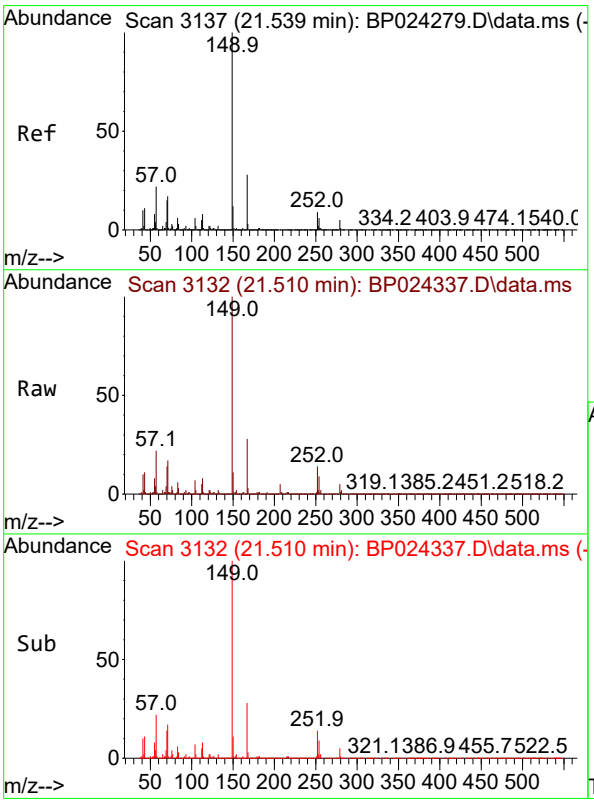
#83
Chrysene
Concen: 39.461 ng
RT: 21.639 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2670773

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.5	15.6	23.4

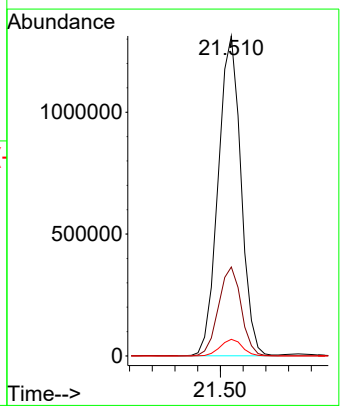


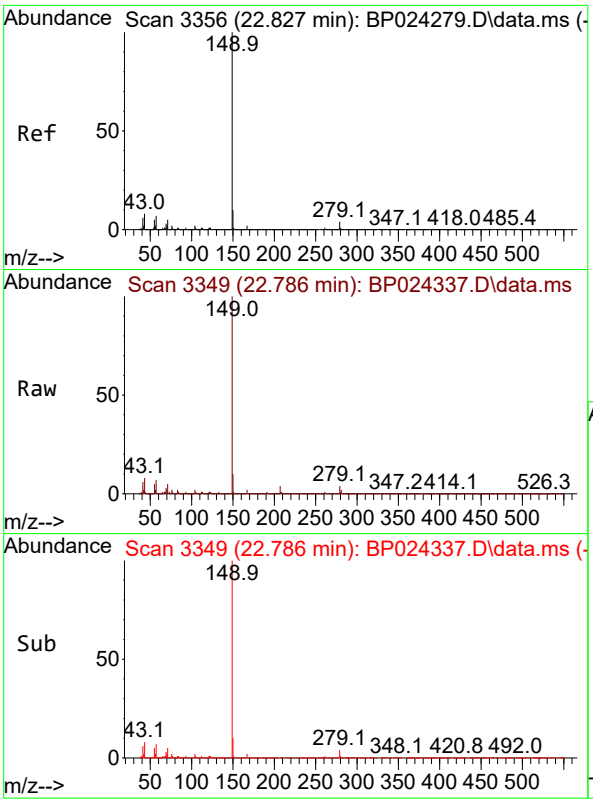


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.272 ng
RT: 21.510 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:149 Resp: 1826473

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.4	33.6
279	5.2	4.0	6.0



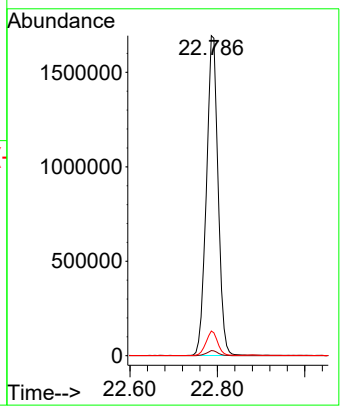


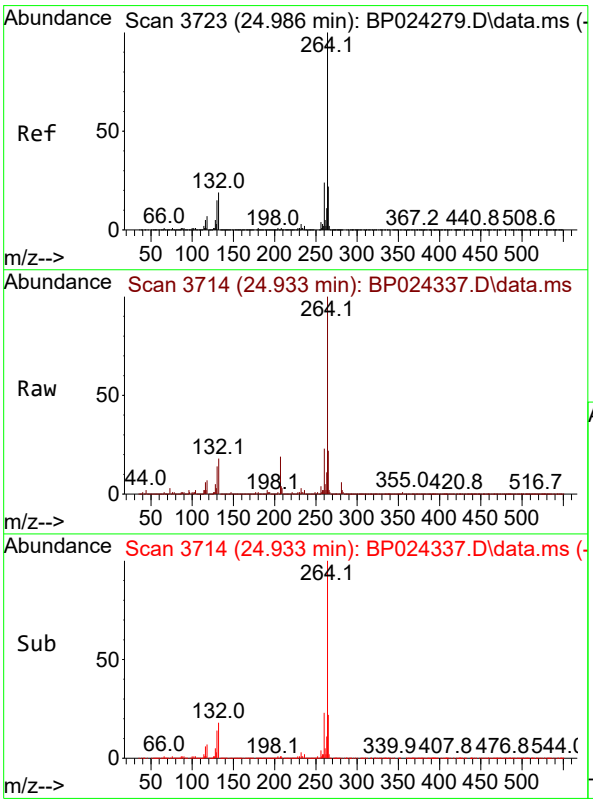
#85
Di-n-octyl phthalate
Concen: 42.552 ng
RT: 22.786 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 3137463

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.7	6.0	9.0

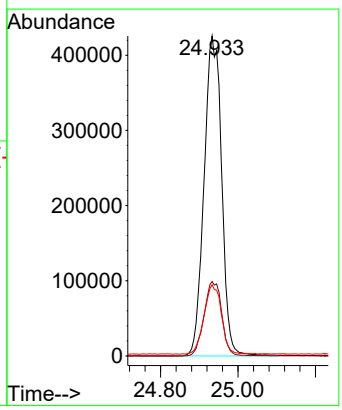


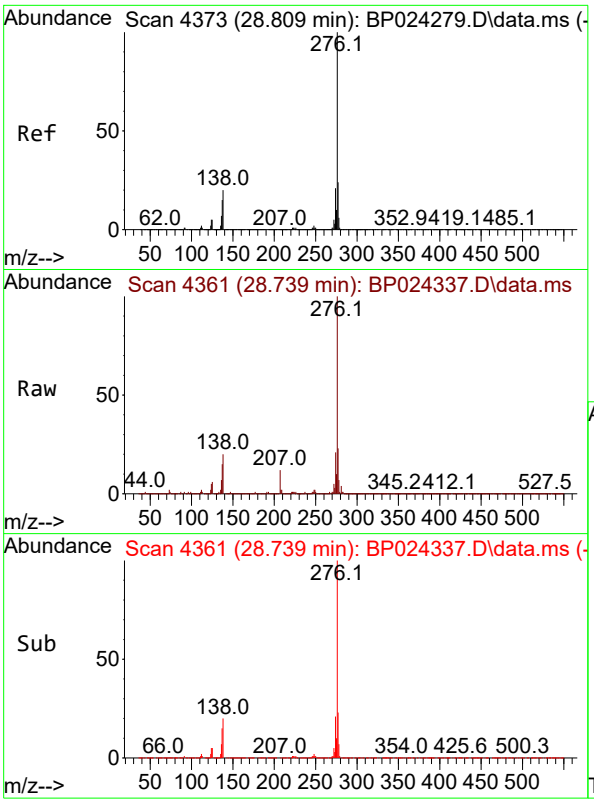


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.933 min Scan# 3714
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:264 Resp: 1339835

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	22.3	17.8	26.6



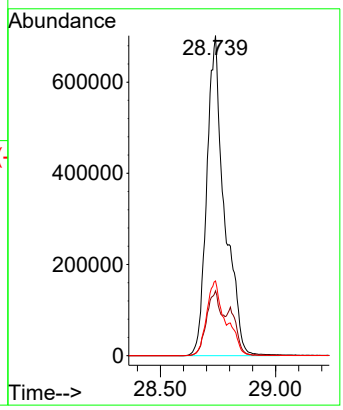


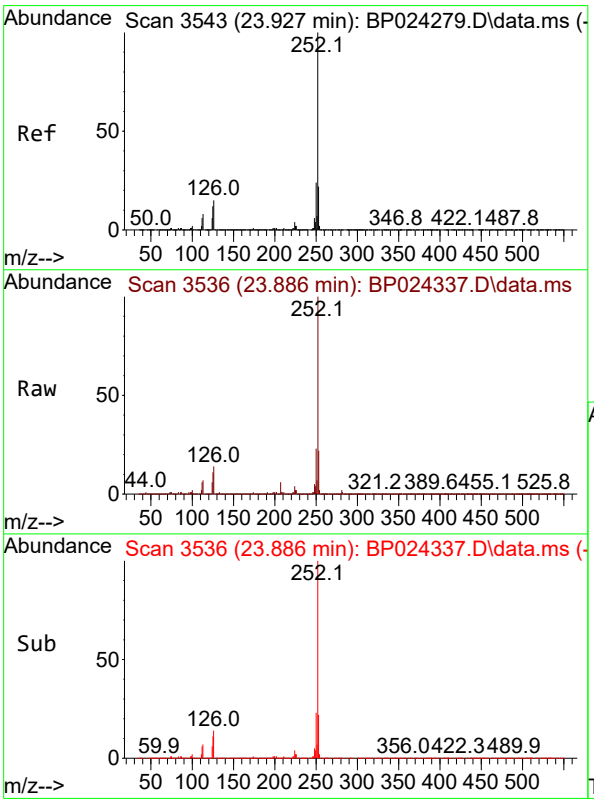
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.361 ng
RT: 28.739 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3754257

Ion	Ratio	Lower	Upper
276	100		
138	17.2	14.5	21.7
277	20.4	20.2	30.2

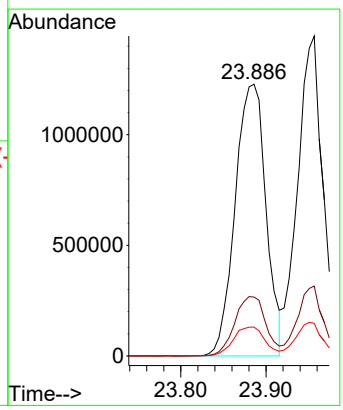


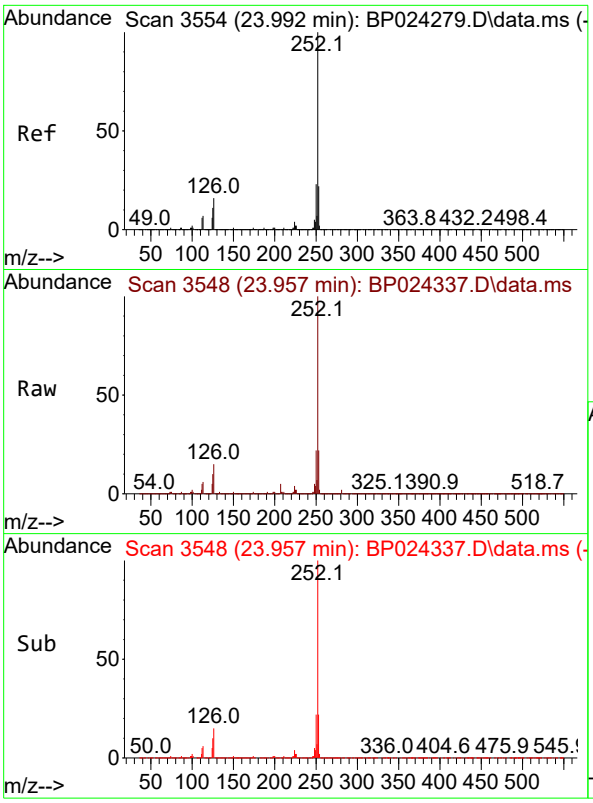


#88
Benzo(b)fluoranthene
Concen: 38.443 ng
RT: 23.886 min Scan# 3536
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:252 Resp: 3087401

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.6	9.4	14.0



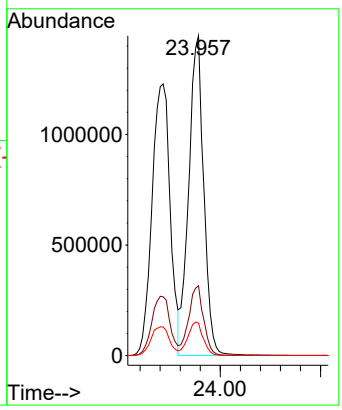


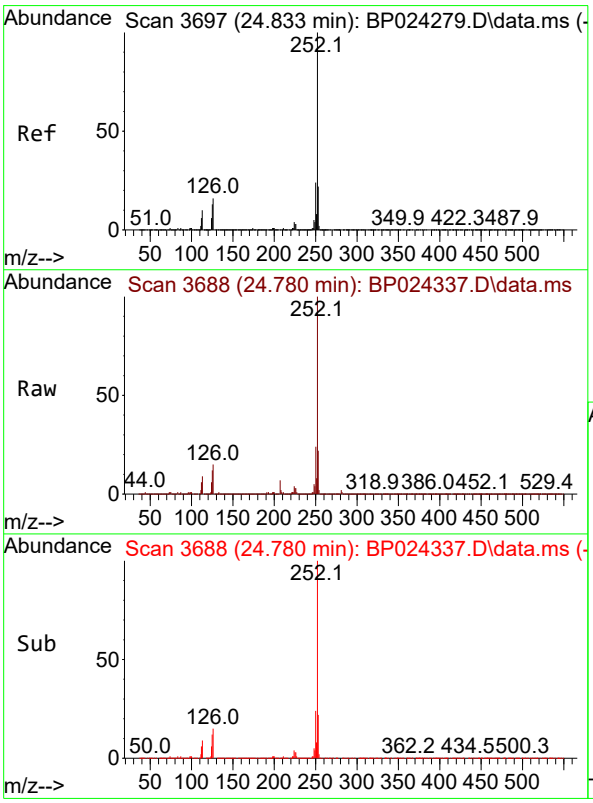
#89
Benzo(k)fluoranthene
Concen: 38.734 ng
RT: 23.957 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3004791

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.2	9.1	13.7

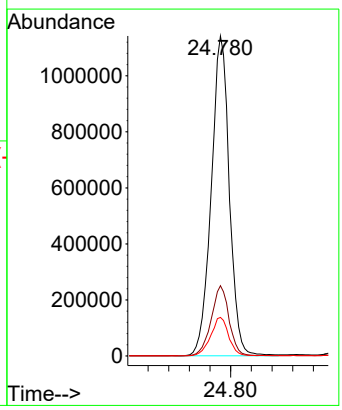


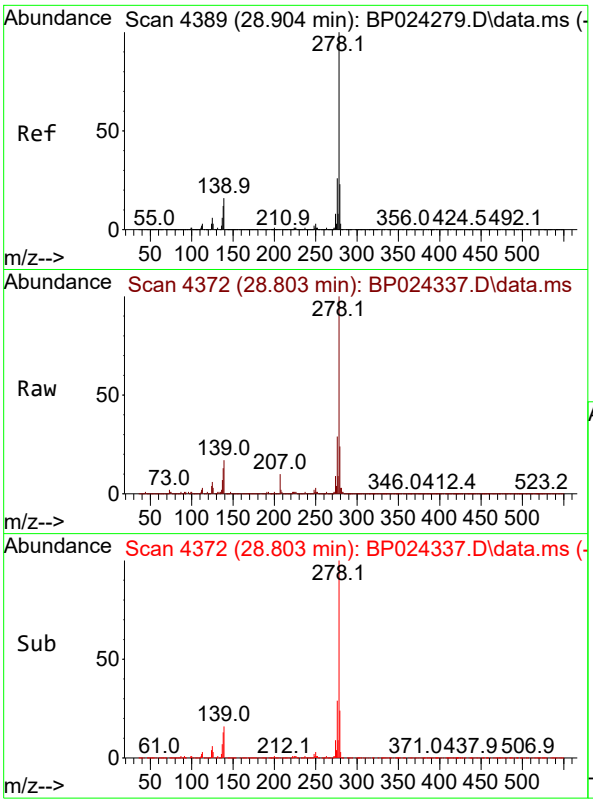


#90
Benzo(a)pyrene
Concen: 39.999 ng
RT: 24.780 min Scan# 3688
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:252 Resp: 2770980

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.0	10.1	15.1



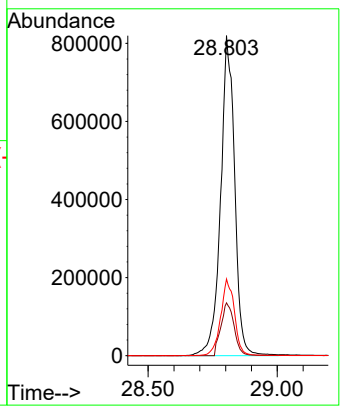


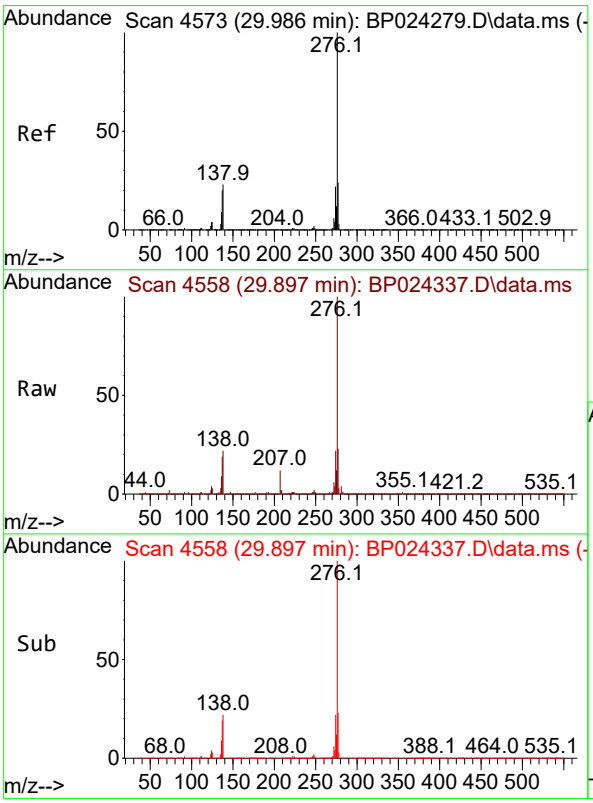
#91
Dibenzo(a,h)anthracene
Concen: 40.165 ng
RT: 28.803 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 3101033

Ion	Ratio	Lower	Upper
278	100		
139	16.5	12.6	19.0
279	24.0	18.5	27.7

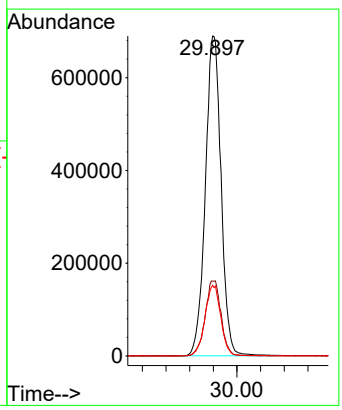




#92
Benzo(g,h,i)perylene
Concen: 40.441 ng
RT: 29.897 min Scan# 4558
Delta R.T. 0.000 min
Lab File: BP024337.D
Acq: 18 Apr 2025 11:13

Tgt Ion:276 Resp: 3178096

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	22.1	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	85	0.00
2		1,4-Dioxane	0.512	0.516	-0.8	86	0.00
3		Pyridine	1.351	1.250	7.5	76	0.00
4		n-Nitrosodimethylamine	0.448	0.464	-3.6	86	0.00
5	S	2-Fluorophenol	1.210	1.223	-1.1	83	0.00
6		Aniline	1.480	1.390	6.1	75	0.00
7	S	Phenol-d6	1.656	1.600	3.4	78	0.00
8		2-Chlorophenol	1.350	1.315	2.6	80	0.00
9		Benzaldehyde	0.819	0.884	-7.9	90	0.00
10	C	Phenol	1.661	1.587	4.5	77	0.00
11		bis(2-Chloroethyl)ether	1.339	1.287	3.9	78	0.00
12		1,3-Dichlorobenzene	1.454	1.416	2.6	81	0.00
13	C	1,4-Dichlorobenzene	1.475	1.430	3.1	81	0.00
14		1,2-Dichlorobenzene	1.424	1.366	4.1	80	0.00
15		Benzyl Alcohol	1.071	1.038	3.1	76	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.361	5.9	76	0.00
17		2-Methylphenol	1.075	1.040	3.3	78	0.00
18		Hexachloroethane	0.533	0.527	1.1	83	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	0.947	7.6	74	0.00
20		3+4-Methylphenols	1.491	1.432	4.0	77	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	81	0.00
22		Acetophenone	0.495	0.487	1.6	76	0.00
23	S	Nitrobenzene-d5	0.351	0.353	-0.6	78	0.00
24		Nitrobenzene	0.347	0.346	0.3	77	0.00
25		Isophorone	0.635	0.613	3.5	74	0.00
26	C	2-Nitrophenol	0.170	0.176	-3.5	78	0.00
27		2,4-Dimethylphenol	0.213	0.210	1.4	75	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.406	5.4	73	0.00
29	C	2,4-Dichlorophenol	0.291	0.292	-0.3	77	0.00
30		1,2,4-Trichlorobenzene	0.311	0.308	1.0	78	0.00
31		Naphthalene	1.054	1.035	1.8	78	0.00
32		Benzoic acid	0.248	0.225	9.3	75	0.00
33		4-Chloroaniline	0.371	0.360	3.0	73	0.00
34	C	Hexachlorobutadiene	0.183	0.186	-1.6	80	0.00
35		Caprolactam	0.107	0.106	0.9	77	0.00
36	C	4-Chloro-3-methylphenol	0.339	0.332	2.1	75	0.00
37		2-Methylnaphthalene	0.731	0.692	5.3	74	0.00
38		1-Methylnaphthalene	0.715	0.677	5.3	75	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	78	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.553	-0.5	75	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.205	-5.1	74	0.00
42	S	2,4,6-Tribromophenol	0.277	0.283	-2.2	77	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.374	-2.2	75	0.00
44		2,4,5-Trichlorophenol	0.405	0.410	-1.2	75	0.00
45	S	2-Fluorobiphenyl	1.306	1.287	1.5	74	0.00
46		1,1'-Biphenyl	1.470	1.449	1.4	74	0.00
47		2-Chloronaphthalene	1.099	1.088	1.0	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	0.308	0.327	-6.2	78	0.00
49		Acenaphthylene	1.730	1.744	-0.8	75	0.00
50		Dimethylphthalate	1.454	1.439	1.0	75	0.00
51		2,6-Dinitrotoluene	0.309	0.313	-1.3	76	0.00
52	C	Acenaphthene	1.097	1.068	2.6	74	0.00
53		3-Nitroaniline	0.325	0.333	-2.5	74	0.00
54	P	2,4-Dinitrophenol	0.182	0.180	1.1	76	0.00
55		Dibenzofuran	1.793	1.728	3.6	74	0.00
56	P	4-Nitrophenol	0.280	0.287	-2.5	74	0.00
57		2,4-Dinitrotoluene	0.421	0.436	-3.6	76	0.00
58		Fluorene	1.388	1.355	2.4	76	0.00
59		2,3,4,6-Tetrachlorophenol	0.373	0.373	0.0	75	0.00
60		Diethylphthalate	1.499	1.480	1.3	75	0.00
61		4-Chlorophenyl-phenylether	0.674	0.658	2.4	76	0.00
62		4-Nitroaniline	0.344	0.365	-6.1	77	0.00
63		Azobenzene	1.378	1.374	0.3	75	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.125	0.8	77	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.586	1.8	74	0.00
67		4-Bromophenyl-phenylether	0.219	0.216	1.4	75	0.00
68		Hexachlorobenzene	0.260	0.261	-0.4	77	0.00
69		Atrazine	0.152	0.141	7.2	93	0.00
70	C	Pentachlorophenol	0.181	0.185	-2.2	76	0.00
71		Phenanthrene	1.091	1.048	3.9	74	0.00
72		Anthracene	1.052	1.047	0.5	75	0.00
73		Carbazole	1.027	1.040	-1.3	77	0.00
74		Di-n-butylphthalate	1.280	1.299	-1.5	74	0.00
75	C	Fluoranthene	1.298	1.292	0.5	77	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	84	0.00
77		Benzidine	0.254	0.200	21.3	39#	0.00
78		Pyrene	1.271	1.201	5.5	78	0.00
79	S	Terphenyl-d14	0.992	0.960	3.2	78	0.00
80		Butylbenzylphthalate	0.544	0.556	-2.2	79	0.00
81		Benzo(a)anthracene	1.243	1.226	1.4	80	0.00
82		3,3'-Dichlorobenzidine	0.436	0.452	-3.7	78	0.00
83		Chrysene	1.191	1.175	1.3	82	0.00
84		Bis(2-ethylhexyl)phthalate	0.798	0.804	-0.8	76	0.00
85	c	Di-n-octyl phthalate	1.297	1.380	-6.4	80	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.388	1.401	-0.9	88	0.00
88		Benzo(b)fluoranthene	1.199	1.152	3.9	83	0.00
89		Benzo(k)fluoranthene	1.158	1.121	3.2	83	0.00
90	C	Benzo(a)pyrene	1.034	1.034	0.0	86	0.00
91		Dibenzo(a,h)anthracene	1.152	1.157	-0.4	87	0.00
92		Benzo(g,h,i)perylene	1.173	1.186	-1.1	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
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Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	85	0.00
2		1,4-Dioxane	40.000	40.328	-0.8	86	0.00
3		Pyridine	40.000	37.011	7.5	76	0.00
4		n-Nitrosodimethylamine	40.000	41.439	-3.6	86	0.00
5	S	2-Fluorophenol	80.000	80.873	-1.1	83	0.00
6		Aniline	40.000	37.566	6.1	75	0.00
7	S	Phenol-d6	80.000	77.271	3.4	78	0.00
8		2-Chlorophenol	40.000	38.953	2.6	80	0.00
9		Benzaldehyde	40.000	43.169	-7.9	90	0.00
10	C	Phenol	40.000	38.211	4.5	77	0.00
11		bis(2-Chloroethyl)ether	40.000	38.442	3.9	78	0.00
12		1,3-Dichlorobenzene	40.000	38.968	2.6	81	0.00
13	C	1,4-Dichlorobenzene	40.000	38.788	3.0	81	0.00
14		1,2-Dichlorobenzene	40.000	38.363	4.1	80	0.00
15		Benzyl Alcohol	40.000	38.781	3.0	76	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.628	5.9	76	0.00
17		2-Methylphenol	40.000	38.710	3.2	78	0.00
18		Hexachloroethane	40.000	39.519	1.2	83	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.954	7.6	74	0.00
20		3+4-Methylphenols	40.000	38.408	4.0	77	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	81	0.00
22		Acetophenone	40.000	39.353	1.6	76	0.00
23	S	Nitrobenzene-d5	80.000	80.517	-0.6	78	0.00
24		Nitrobenzene	40.000	39.921	0.2	77	0.00
25		Isophorone	40.000	38.646	3.4	74	0.00
26	C	2-Nitrophenol	40.000	41.496	-3.7	78	0.00
27		2,4-Dimethylphenol	40.000	39.418	1.5	75	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.848	5.4	73	0.00
29	C	2,4-Dichlorophenol	40.000	40.150	-0.4	77	0.00
30		1,2,4-Trichlorobenzene	40.000	39.592	1.0	78	0.00
31		Naphthalene	40.000	39.312	1.7	78	0.00
32		Benzoic acid	40.000	36.280	9.3	75	0.00
33		4-Chloroaniline	40.000	38.831	2.9	73	0.00
34	C	Hexachlorobutadiene	40.000	40.634	-1.6	80	0.00
35		Caprolactam	40.000	39.560	1.1	77	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.265	1.8	75	0.00
37		2-Methylnaphthalene	40.000	37.911	5.2	74	0.00
38		1-Methylnaphthalene	40.000	37.887	5.3	75	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	78	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.237	-0.6	75	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.081	-5.2	74	0.00
42	S	2,4,6-Tribromophenol	80.000	81.824	-2.3	77	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.869	-2.2	75	0.00
44		2,4,5-Trichlorophenol	40.000	40.543	-1.4	75	0.00
45	S	2-Fluorobiphenyl	80.000	78.834	1.5	74	0.00
46		1,1'-Biphenyl	40.000	39.420	1.4	74	0.00
47		2-Chloronaphthalene	40.000	39.604	1.0	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	42.379	-5.9	78	0.00
49		Acenaphthylene	40.000	40.328	-0.8	75	0.00
50		Dimethylphthalate	40.000	39.587	1.0	75	0.00
51		2,6-Dinitrotoluene	40.000	40.581	-1.5	76	0.00
52	C	Acenaphthene	40.000	38.953	2.6	74	0.00
53		3-Nitroaniline	40.000	41.032	-2.6	74	0.00
54	P	2,4-Dinitrophenol	40.000	39.510	1.2	76	0.00
55		Dibenzofuran	40.000	38.557	3.6	74	0.00
56	P	4-Nitrophenol	40.000	40.920	-2.3	74	0.00
57		2,4-Dinitrotoluene	40.000	41.411	-3.5	76	0.00
58		Fluorene	40.000	39.051	2.4	76	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.901	0.2	75	0.00
60		Diethylphthalate	40.000	39.502	1.2	75	0.00
61		4-Chlorophenyl-phenylether	40.000	39.086	2.3	76	0.00
62		4-Nitroaniline	40.000	42.466	-6.2	77	0.00
63		Azobenzene	40.000	39.906	0.2	75	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.788	0.5	77	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.250	1.9	74	0.00
67		4-Bromophenyl-phenylether	40.000	39.551	1.1	75	0.00
68		Hexachlorobenzene	40.000	40.096	-0.2	77	0.00
69		Atrazine	40.000	36.999	7.5	93	0.00
70	C	Pentachlorophenol	40.000	40.856	-2.1	76	0.00
71		Phenanthrene	40.000	38.435	3.9	74	0.00
72		Anthracene	40.000	39.817	0.5	75	0.00
73		Carbazole	40.000	40.499	-1.2	77	0.00
74		Di-n-butylphthalate	40.000	40.593	-1.5	74	0.00
75	C	Fluoranthene	40.000	39.831	0.4	77	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	84	0.00
77		Benzidine	40.000	31.553	21.1	39	0.00
78		Pyrene	40.000	37.812	5.5	78	0.00
79	S	Terphenyl-d14	80.000	77.374	3.3	78	0.00
80		Butylbenzylphthalate	40.000	40.818	-2.0	79	0.00
81		Benzo(a)anthracene	40.000	39.443	1.4	80	0.00
82		3,3'-Dichlorobenzidine	40.000	41.452	-3.6	78	0.00
83		Chrysene	40.000	39.461	1.3	82	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.272	-0.7	76	0.00
85	c	Di-n-octyl phthalate	40.000	42.552	-6.4	80	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.361	-0.9	88	0.00
88		Benzo(b)fluoranthene	40.000	38.443	3.9	83	0.00
89		Benzo(k)fluoranthene	40.000	38.734	3.2	83	0.00
90	C	Benzo(a)pyrene	40.000	39.999	0.0	86	0.00
91		Dibenzo(a,h)anthracene	40.000	40.165	-0.4	87	0.00
92		Benzo(g,h,i)perylene	40.000	40.441	-1.1	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024337.D
Acq On : 18 Apr 2025 11:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 19 02:49:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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

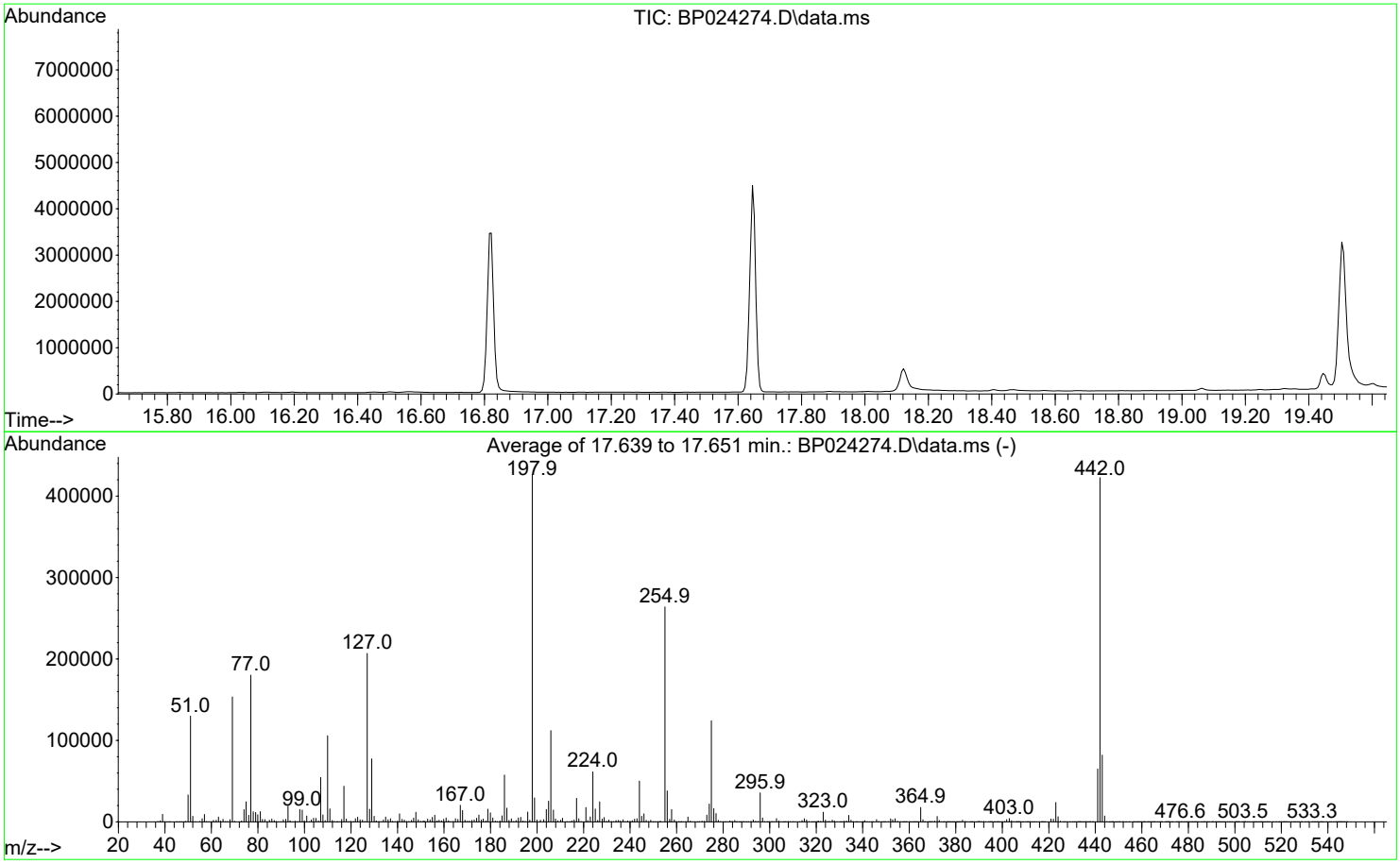
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



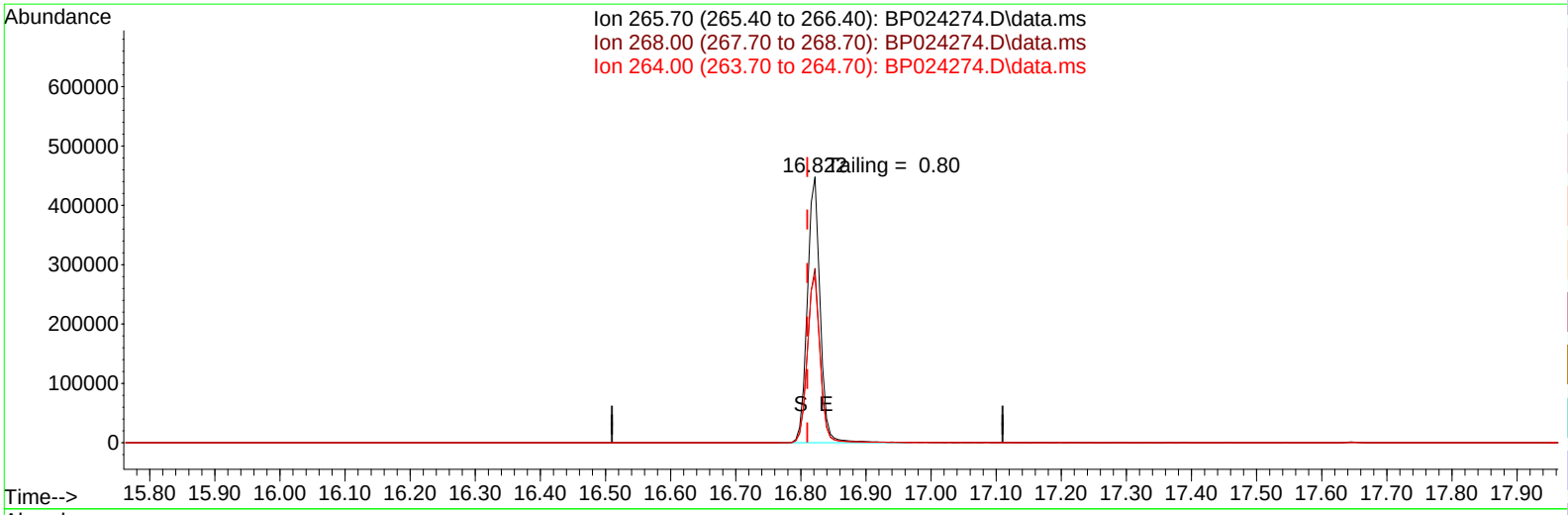
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2463

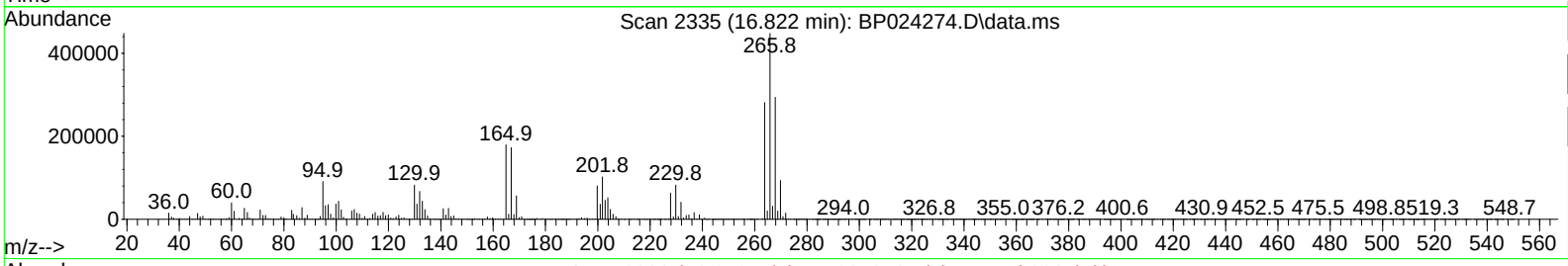
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.4	129796	PASS
68	69	0.00	2	1.8	2815	PASS
69	198	0.00	100	36.0	153442	PASS
70	69	0.00	2	0.5	836	PASS
127	198	10	80	48.5	206858	PASS
197	198	0.00	2	0.5	2122	PASS
198	198	100	100	100.0	426527	PASS
199	198	5	9	6.9	29549	PASS
275	198	10	60	29.1	124199	PASS
365	198	1	100	4.1	17663	PASS
441	198	0.01	100	15.2	64862	PASS
442	442	100	100	100.0	422528	PASS
443	442	15	24	19.4	82090	PASS

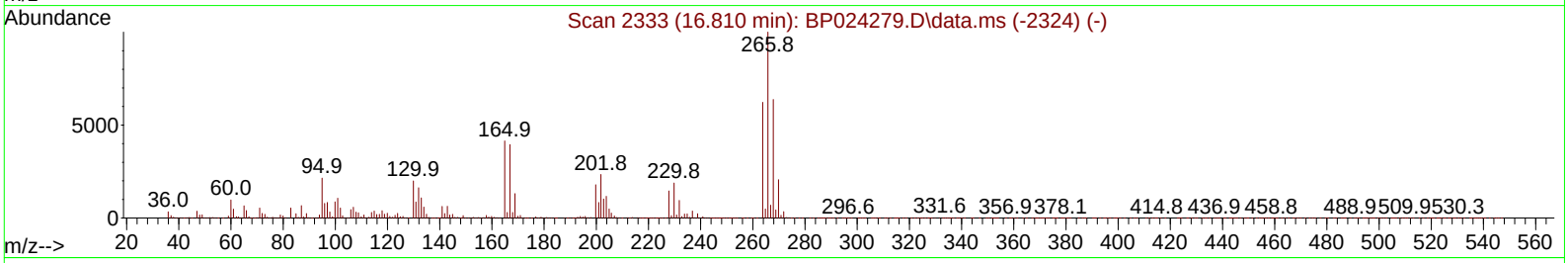
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(70) Pentachlorophenol (C)

16.822min (+ 0.012) 3117222.42 ng

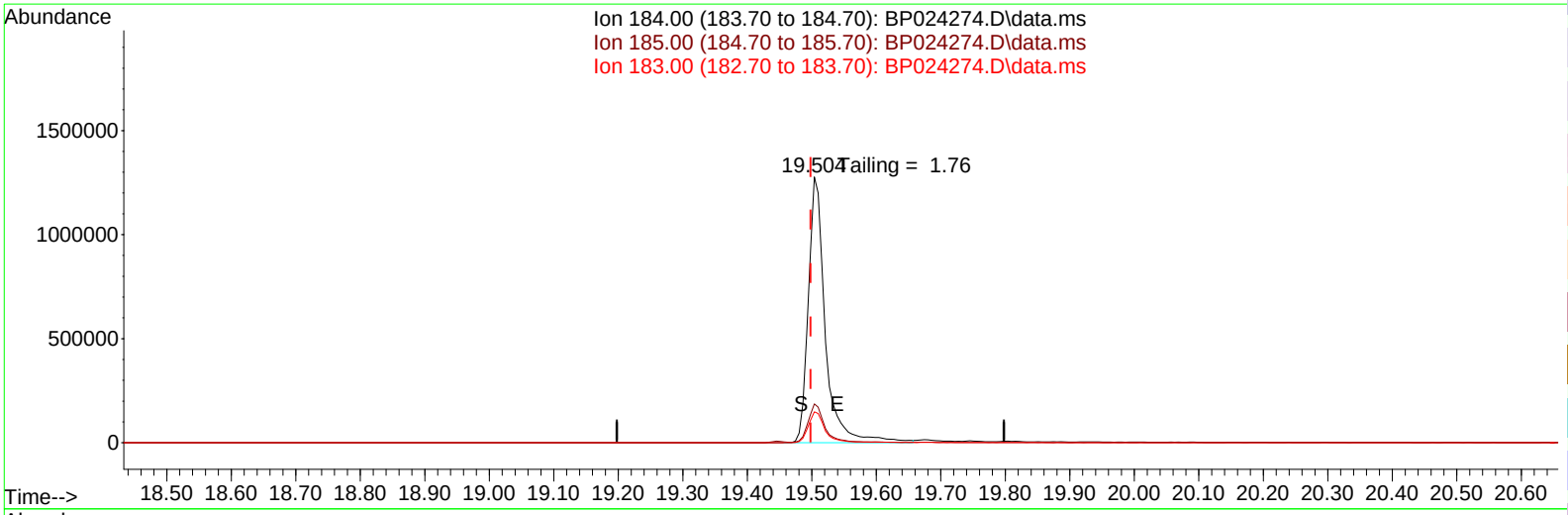
response 611847

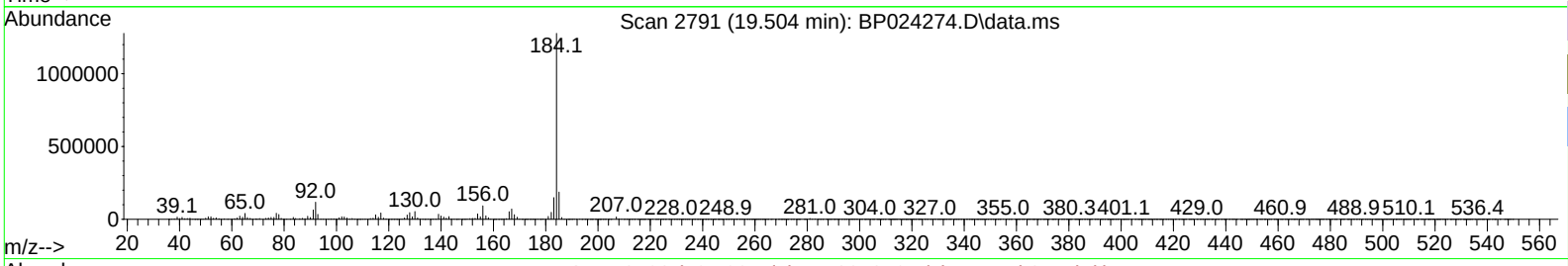
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	65.61
264.00	62.20	62.81
0.00	0.00	0.00

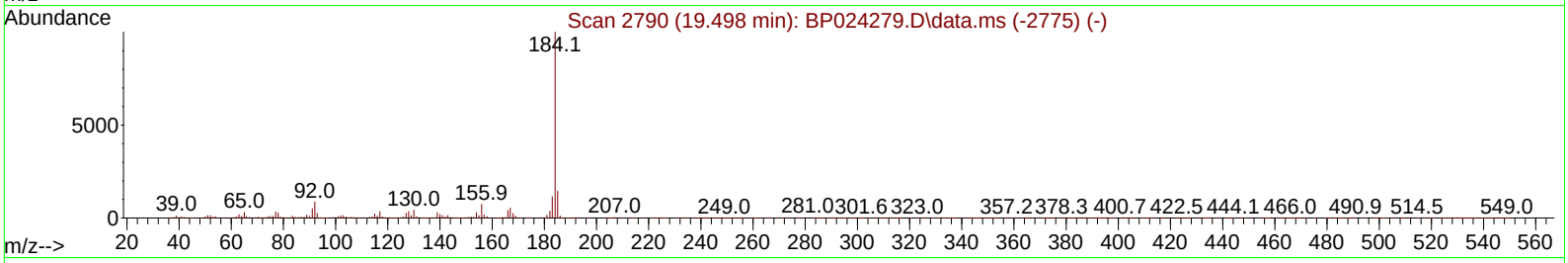
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(77) Benzidine

19.504min (+ 0.006) 7415471.13 ng

response 2354373

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.60
183.00	11.50	11.64
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

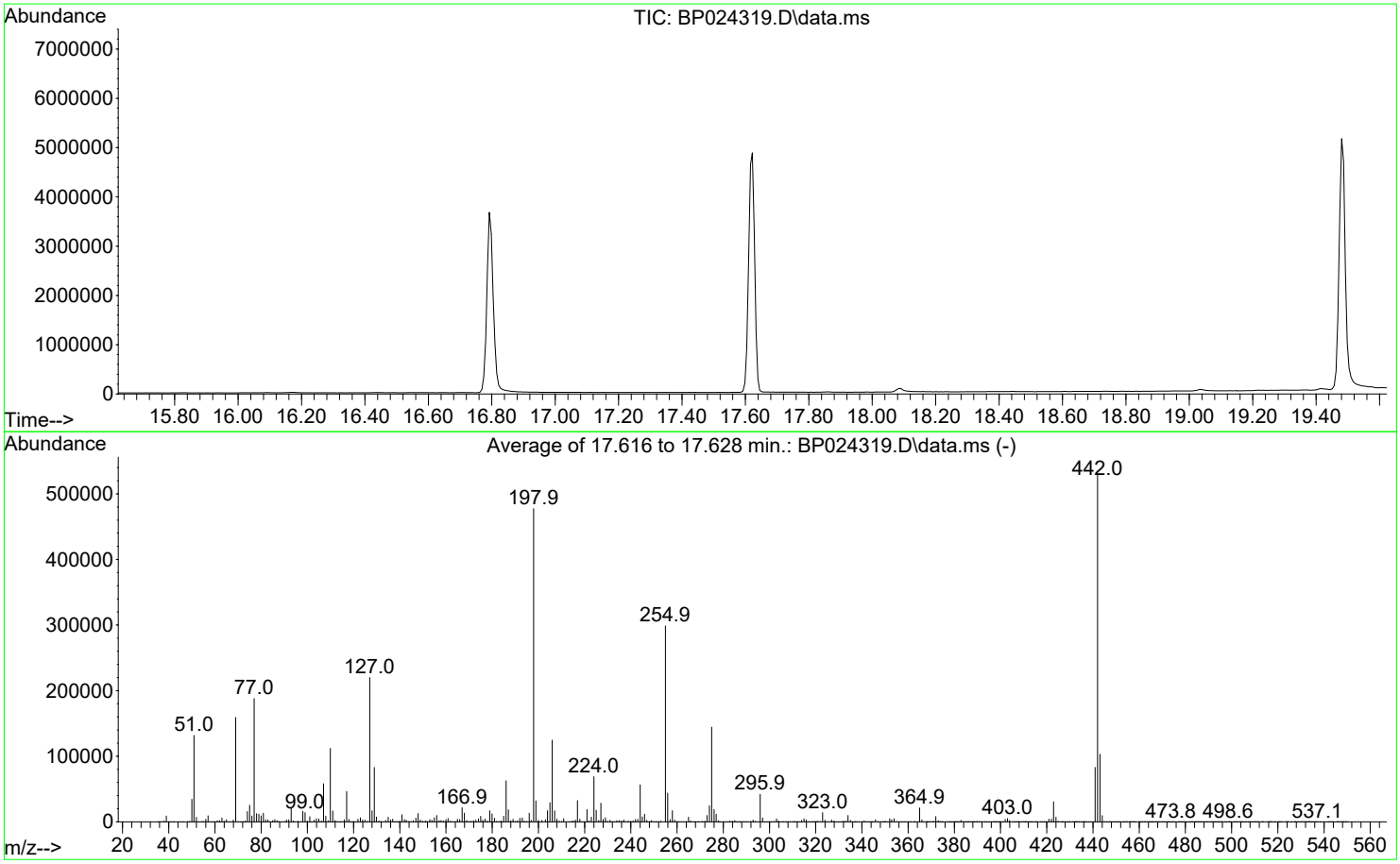
Date	Instrument Name	DFTPP Data File
4/14/2025	BNA_P	BP024274.D
Compound Name	**Response**	**Retention Time**
DDT	1715151	20.798
DDD	26002	20.386
DDE	1572	19.81
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
27574	1742725	1.58

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024319.D
Acq On : 17 Apr 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



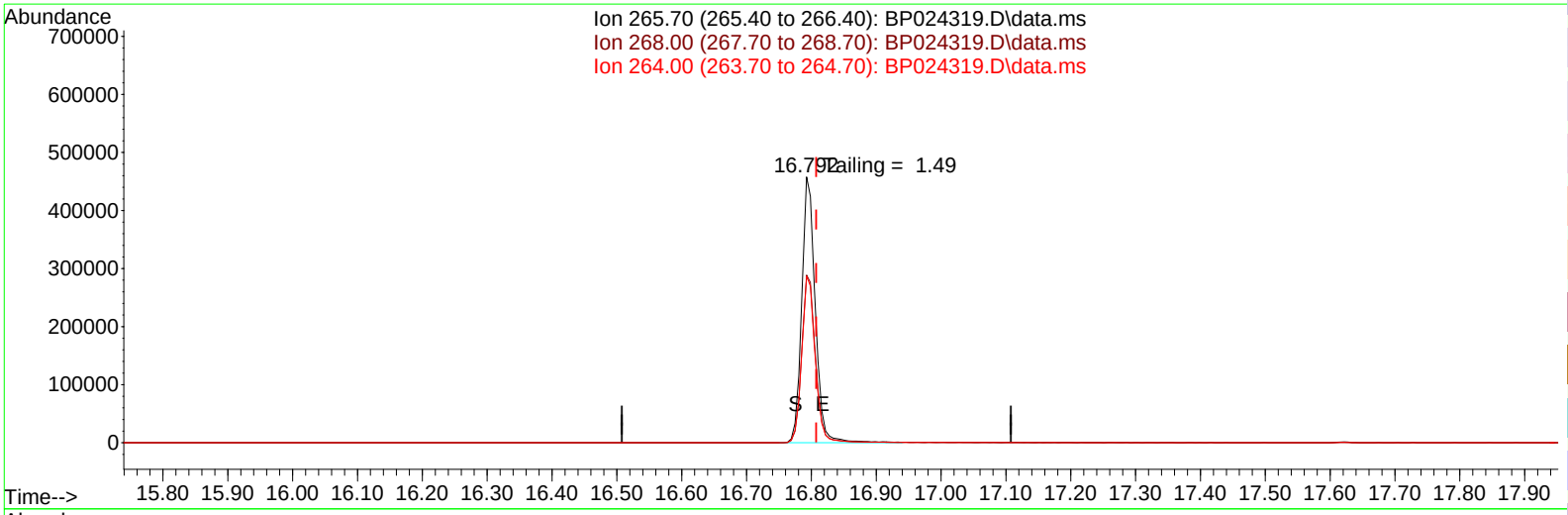
AutoFind: Scans 2470, 2471, 2472; Background Corrected with Scan 2460

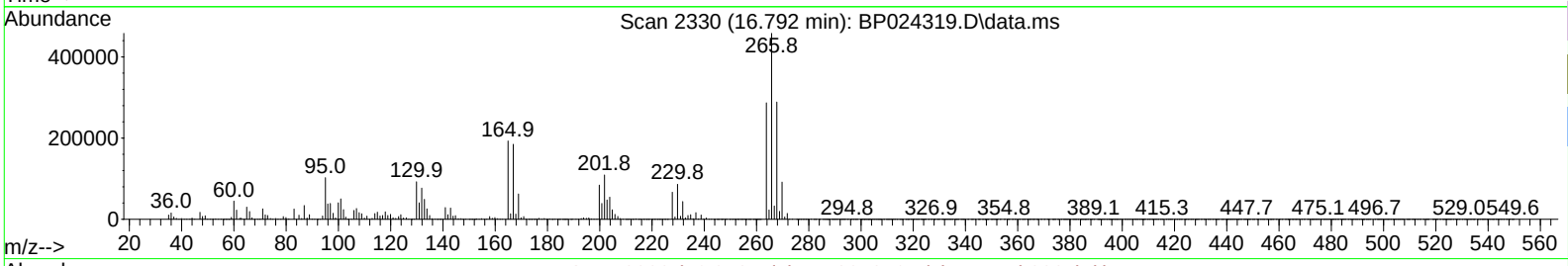
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.6	131819	PASS
68	69	0.00	2	1.7	2691	PASS
69	198	0.00	100	33.3	159149	PASS
70	69	0.00	2	0.4	664	PASS
127	198	10	80	46.1	219887	PASS
197	198	0.00	2	0.5	2326	PASS
198	198	100	100	100.0	477482	PASS
199	198	5	9	6.7	32125	PASS
275	198	10	60	30.2	144359	PASS
365	198	1	100	4.5	21282	PASS
441	198	0.01	100	17.4	82883	PASS
442	442	100	100	100.0	529482	PASS
443	442	15	24	19.4	102868	PASS

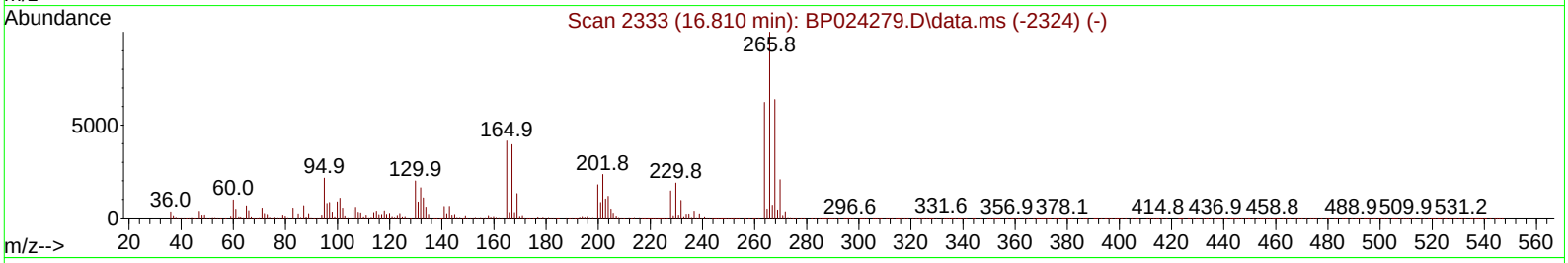
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024319.D
Acq On : 17 Apr 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 17 12:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration







TIC: BP024319.D\data.ms

(70) Pentachlorophenol (C)

16.792min (-0.015) 3494703.78 ng

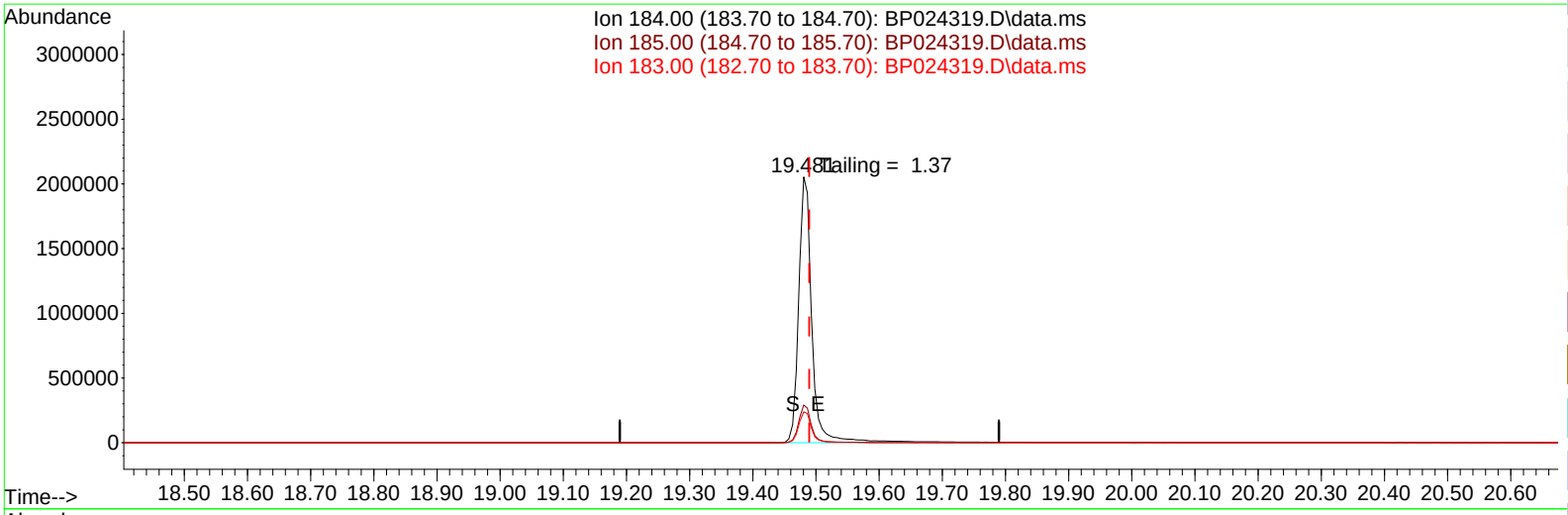
response 665367

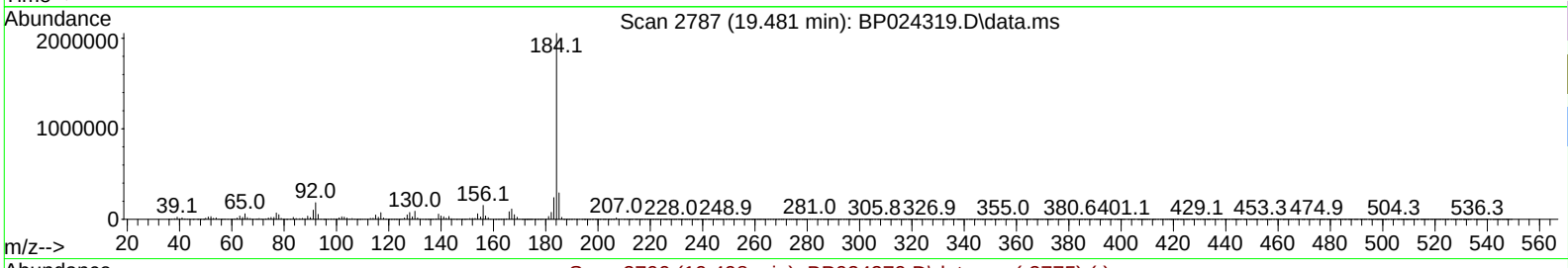
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	63.09
264.00	62.20	62.63
0.00	0.00	0.00

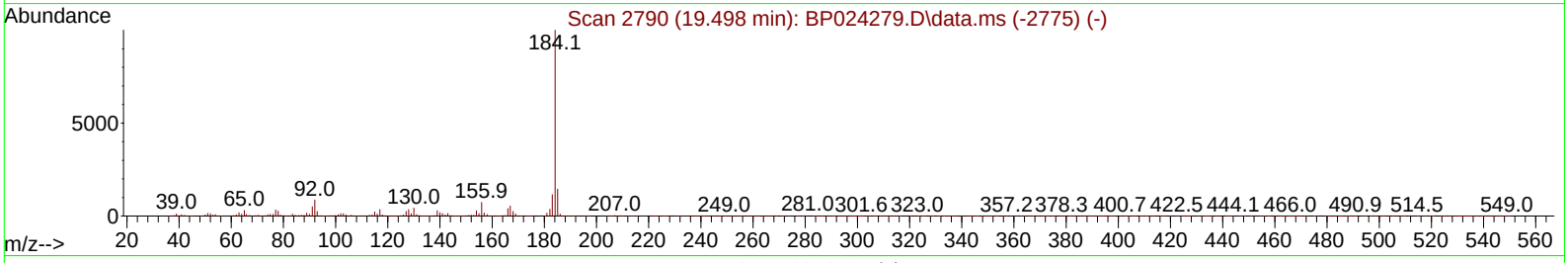
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024319.D
Acq On : 17 Apr 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 17 12:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration







TIC: BP024319.D\data.ms

(77) Benzidine

19.481min (-0.009) 4514488.36 ng

response 2975698

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.21
183.00	11.50	11.67
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

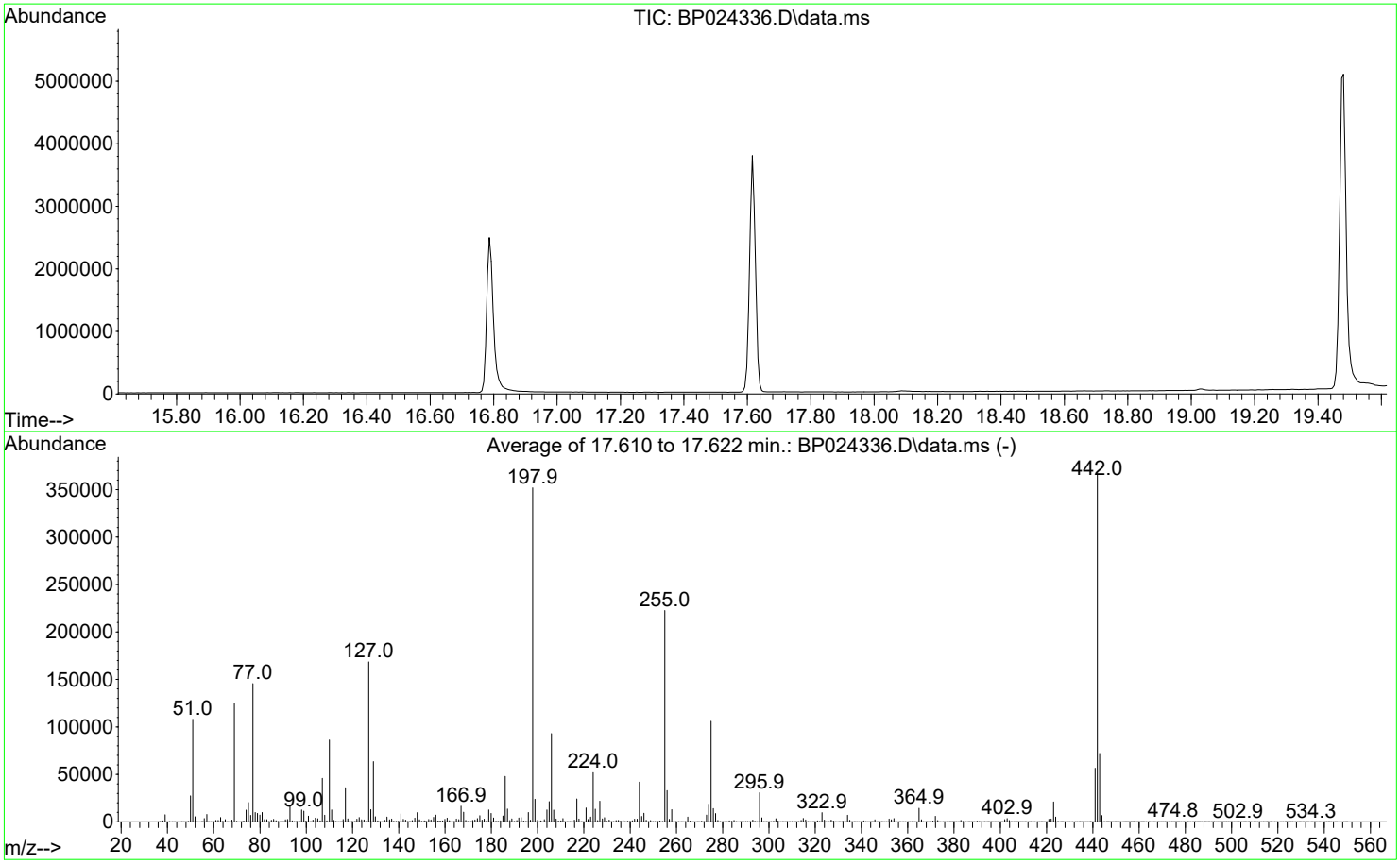
Date	Instrument Name	DFTPP Data File
4/17/2025	BNA_P	BP024319.D
Compound Name	**Response**	**Retention Time**
DDT	1782977	20.769
DDD	41005	20.31
DDE	3233	19.781
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
44238	1827215	2.42

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024336.D
Acq On : 18 Apr 2025 10:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Apr 18 12:04:48 2025



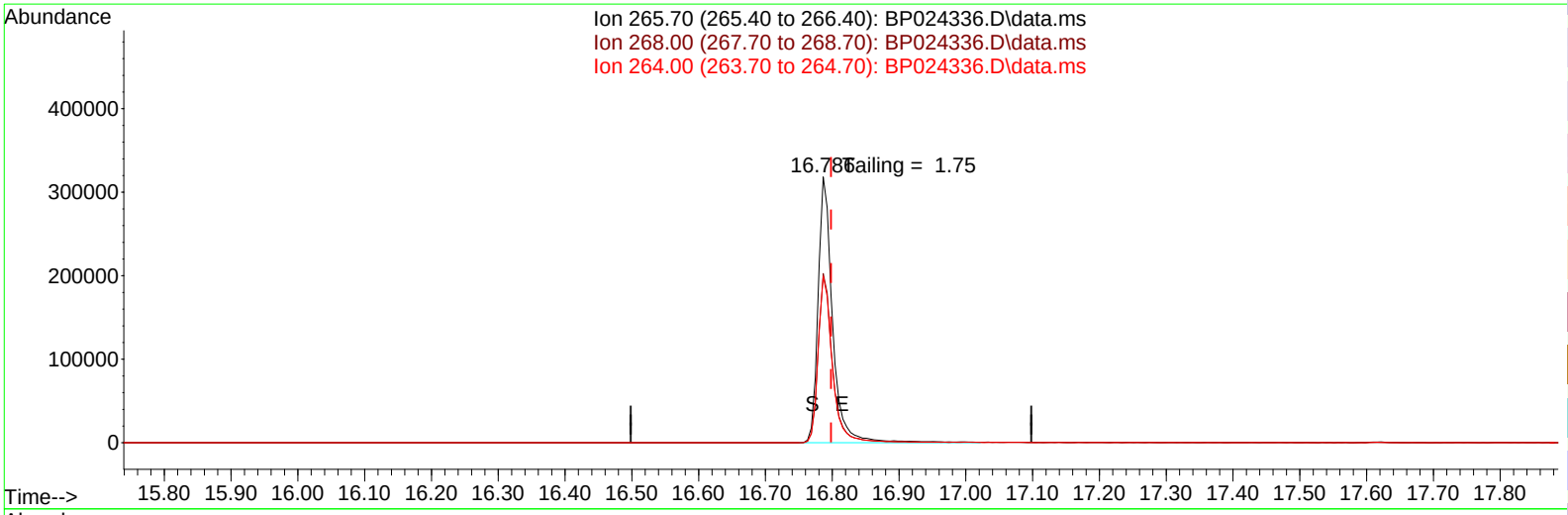
AutoFind: Scans 2469, 2470, 2471; Background Corrected with Scan 2459

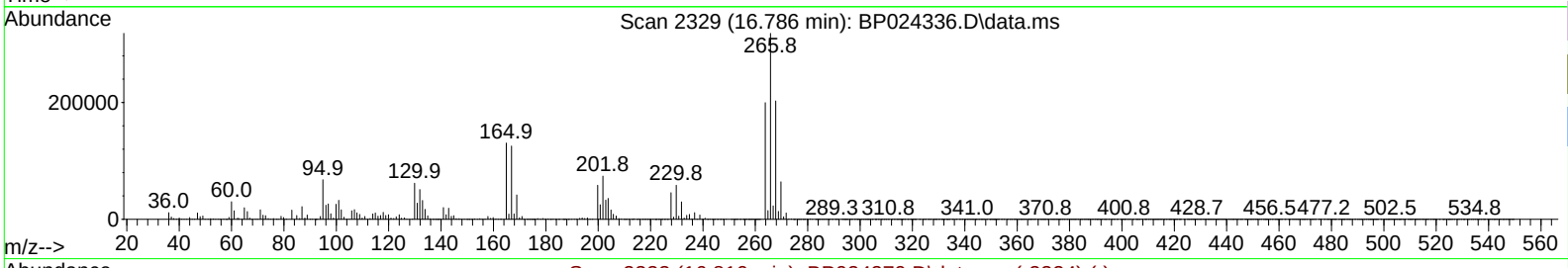
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.7	108143	PASS
68	69	0.00	2	1.6	1996	PASS
69	198	0.00	100	35.4	124683	PASS
70	69	0.00	2	0.5	644	PASS
127	198	10	80	47.9	168583	PASS
197	198	0.00	2	0.5	1755	PASS
198	198	100	100	100.0	351930	PASS
199	198	5	9	6.8	23888	PASS
275	198	10	60	30.1	106019	PASS
365	198	1	100	4.1	14287	PASS
441	198	0.01	100	16.0	56472	PASS
442	442	100	100	100.0	365874	PASS
443	442	15	24	19.7	72056	PASS

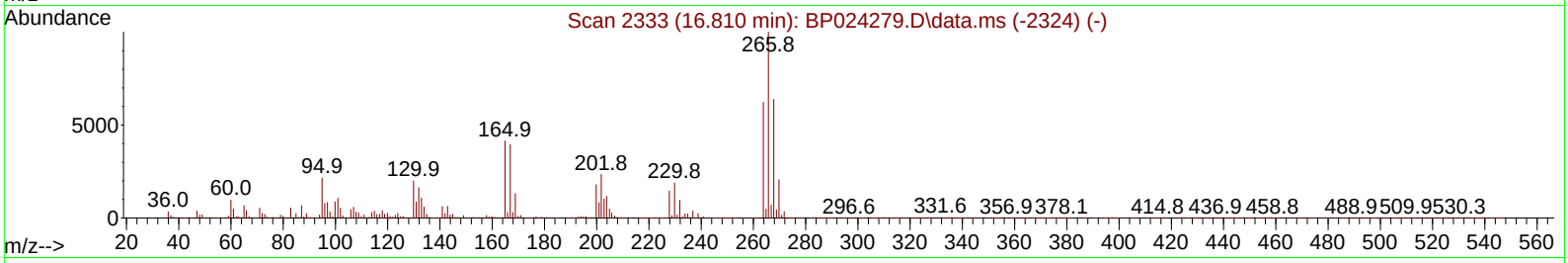
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024336.D
Acq On : 18 Apr 2025 10:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 18 12:10:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration







TIC: BP024336.D\data.ms

(70) Pentachlorophenol (C)

16.786min (-0.012) 2010562.17 ng

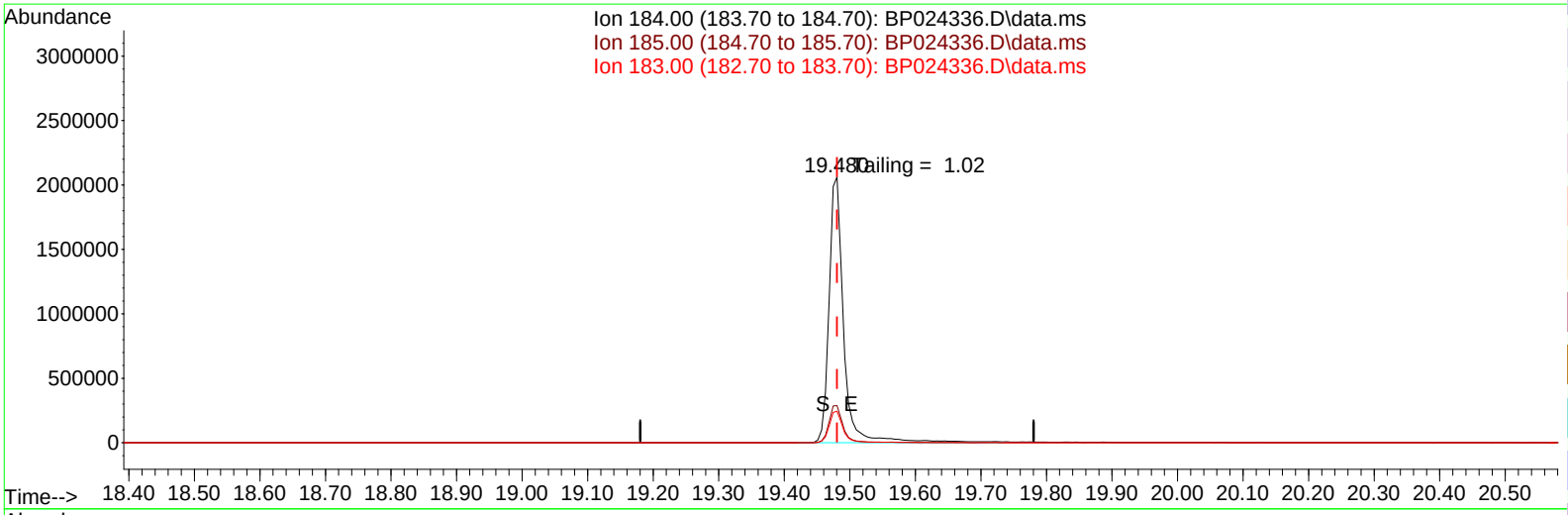
response 473939

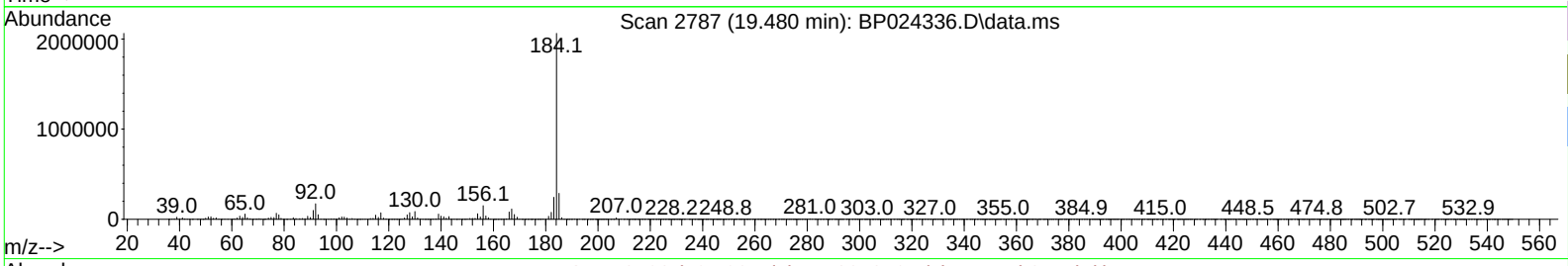
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	63.69
264.00	62.20	62.69
0.00	0.00	0.00

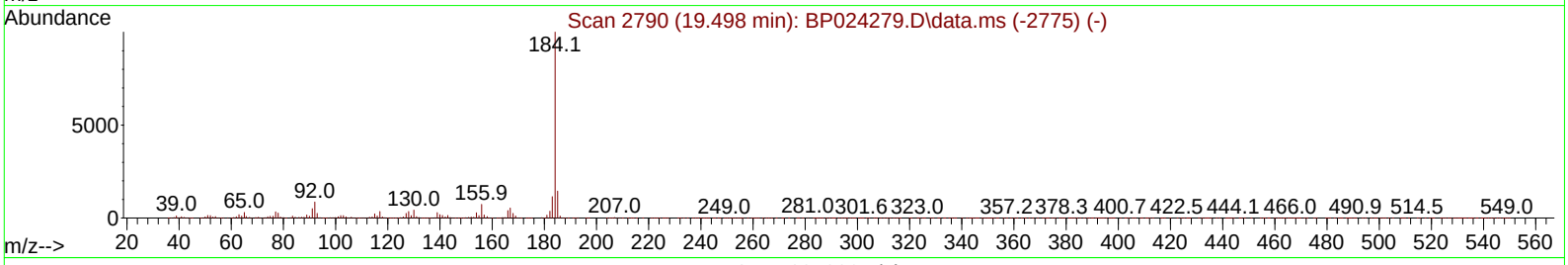
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024336.D
Acq On : 18 Apr 2025 10:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 18 12:10:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration







TIC: BP024336.D\data.ms

(77) Benzidine

19.480min (+ 0.000) 1458069.24 ng

response 3105020

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	13.99
183.00	11.50	11.86
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/18/2025	BNA_P	BP024336.D
Compound Name	**Response**	**Retention Time**
DDT	1361256	20.763
DDD	28179	20.304
DDE	2295	19.775
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
30474	1391730	2.19

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BL	SDG No.:	Q1812
Lab Sample ID:	PB167625BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024338.D	1	04/17/25 10:40	04/18/25 11:54	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BL	SDG No.:	Q1812
Lab Sample ID:	PB167625BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024338.D	1	04/17/25 10:40	04/18/25 11:54	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BL	SDG No.:	Q1812
Lab Sample ID:	PB167625BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024338.D	1	04/17/25 10:40	04/18/25 11:54	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	131		15 (10) - 110 (134)	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.4		30 (49) - 130 (133)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.4		30 (52) - 130 (132)	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	96.6		30 (48) - 130 (125)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	245000	7.728			
1146-65-2	Naphthalene-d8	973000	10.499			
15067-26-2	Acenaphthene-d10	590000	14.357			
1517-22-2	Phenanthrene-d10	1110000	17.163			
1719-03-5	Chrysene-d12	1120000	21.61			
1520-96-3	Perylene-d12	1310000	24.951			
TENTATIVE IDENTIFIED COMPOUNDS						
000141-79-7	3-Penten-2-one, 4-methyl-	5.50	A		4.30	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	41.0	A		4.89	ug/L
000107-70-0	2-Pentanone, 4-methoxy-4-methyl-	9.10	J		5.95	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BL	SDG No.:	Q1812
Lab Sample ID:	PB167625BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024338.D	1	04/17/25 10:40	04/18/25 11:54	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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_P\Data\BP041825\
Data File : BP024338.D
Acq On : 18 Apr 2025 11:54
Operator : RC/JU
Sample : PB167625BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Quant Time: Apr 18 12:20:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

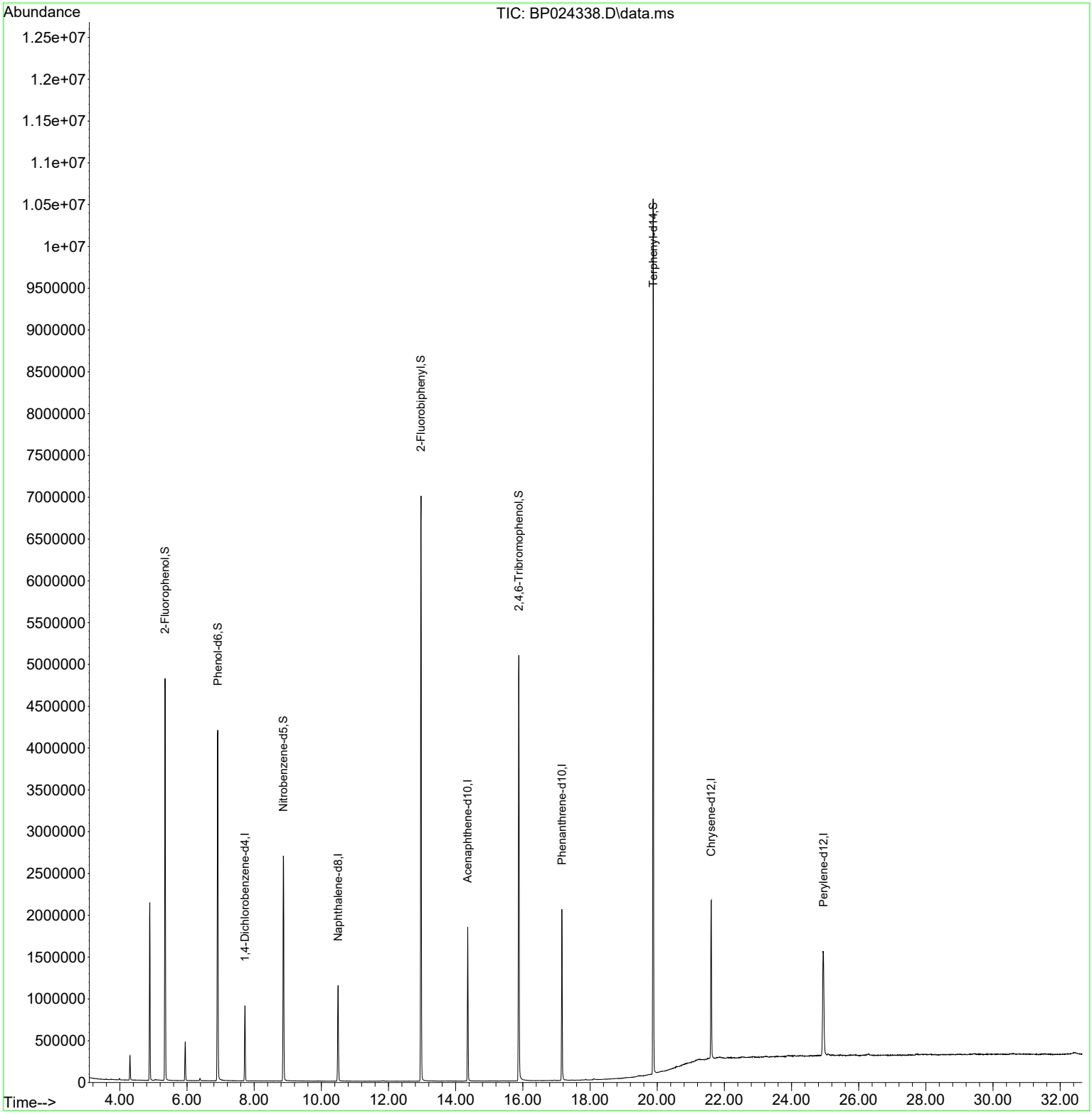
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	245010	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	973174	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	589955	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1105813	20.000	ng	0.02
76) Chrysene-d12	21.610	240	1122373	20.000	ng	0.02
86) Perylene-d12	24.951	264	1307380	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2139410	144.379	ng	0.00
7) Phenol-d6	6.917	99	2664237	131.307	ng	0.00
23) Nitrobenzene-d5	8.869	82	1610574	94.368	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	1154645	141.460	ng	0.02
45) 2-Fluorobiphenyl	12.969	172	3561335	92.427	ng	0.00
79) Terphenyl-d14	19.881	244	5377497	96.573	ng	0.00
Target Compounds						Qvalue

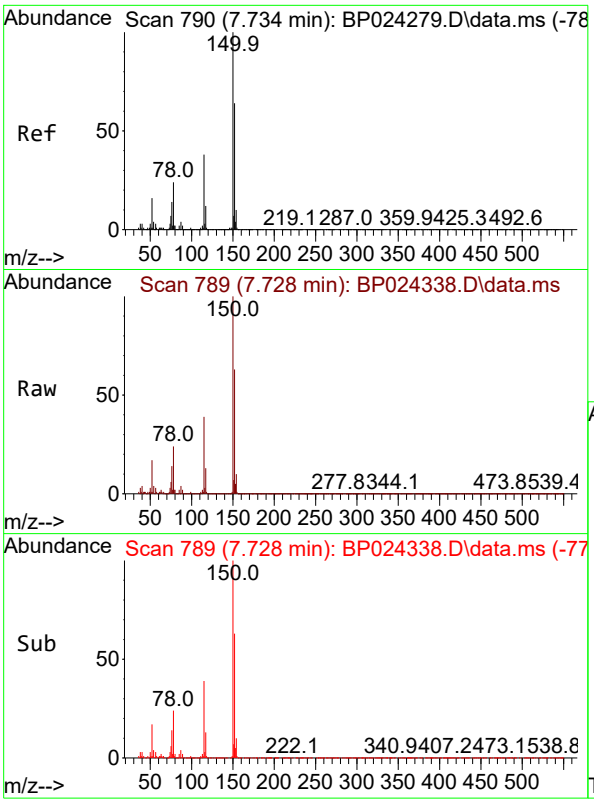
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024338.D
Acq On : 18 Apr 2025 11:54
Operator : RC/JU
Sample : PB167625BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Quant Time: Apr 18 12:20:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



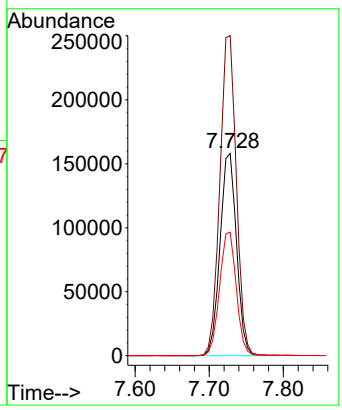


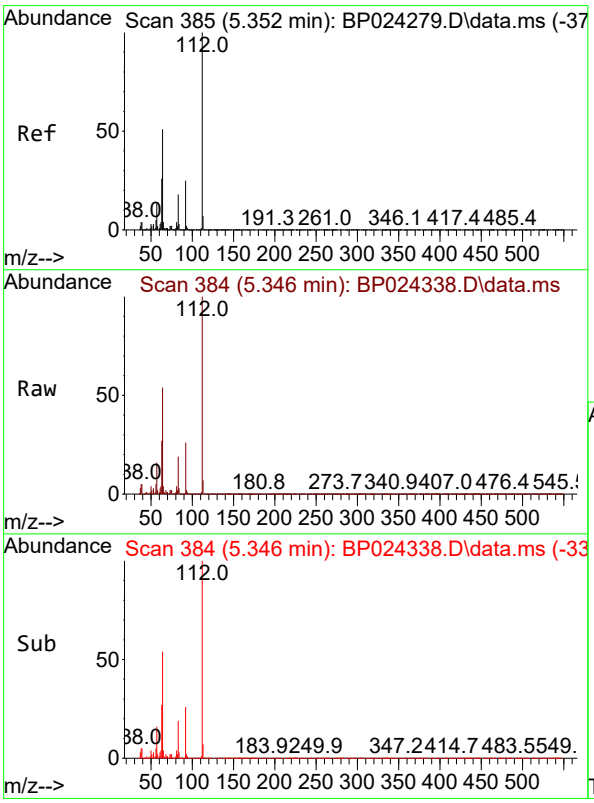
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Tgt Ion:152 Resp: 245010

Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.9	187.3
115	61.1	47.7	71.5

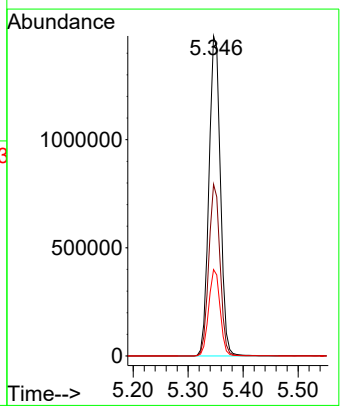


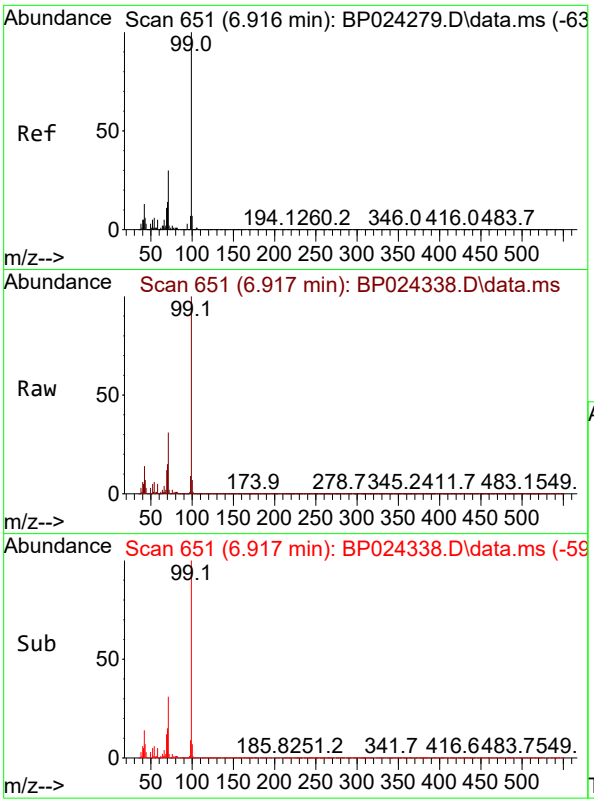


#5
2-Fluorophenol
Concen: 144.379 ng
RT: 5.346 min Scan# 384
Delta R.T. 0.000 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Tgt Ion:112 Resp: 2139410

Ion	Ratio	Lower	Upper
112	100		
64	53.6	41.1	61.7
63	27.0	20.6	30.8



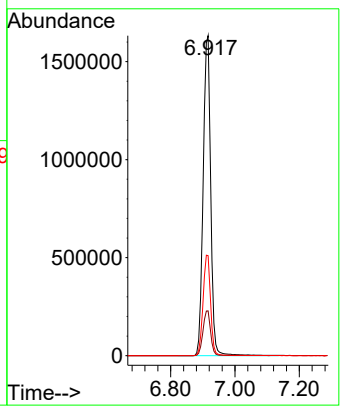


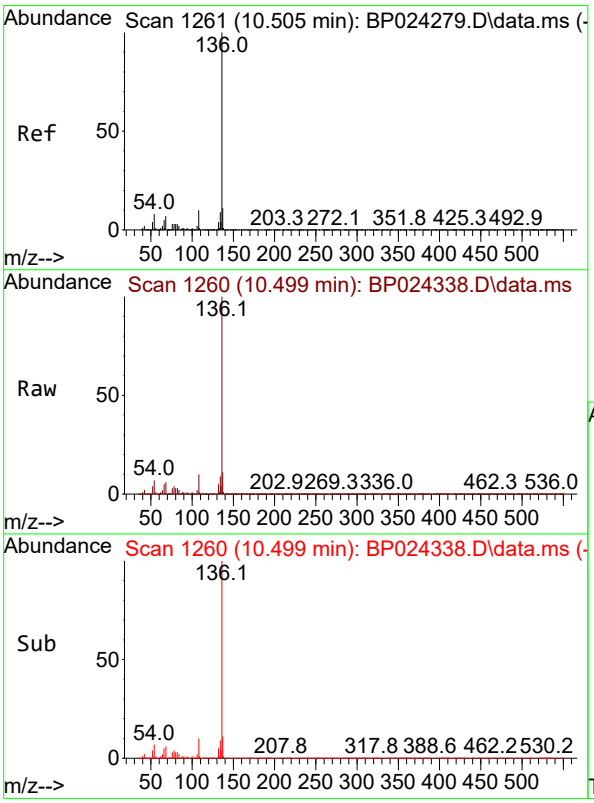
#7
Phenol-d6
Concen: 131.307 ng
RT: 6.917 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Tgt Ion: 99 Resp: 2664237

Ion	Ratio	Lower	Upper
99	100		
42	14.0	10.6	16.0
71	31.3	23.7	35.5

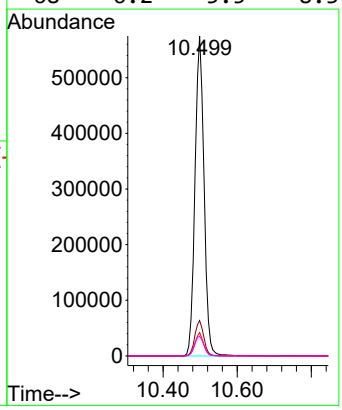


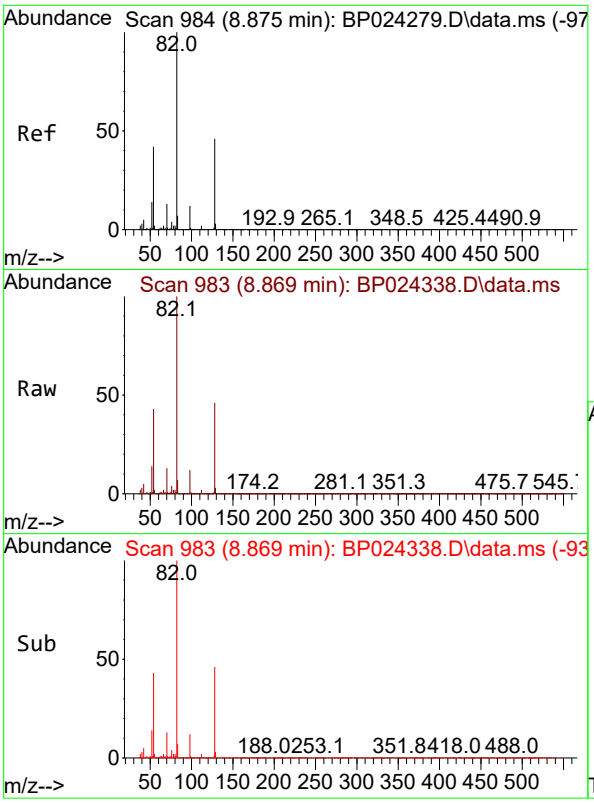


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.499 min Scan# 1260
Delta R.T. 0.000 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Tgt Ion:136 Resp: 973174

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.3	6.0	9.0
68	6.2	5.5	8.3



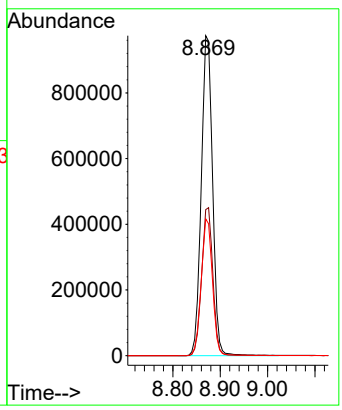


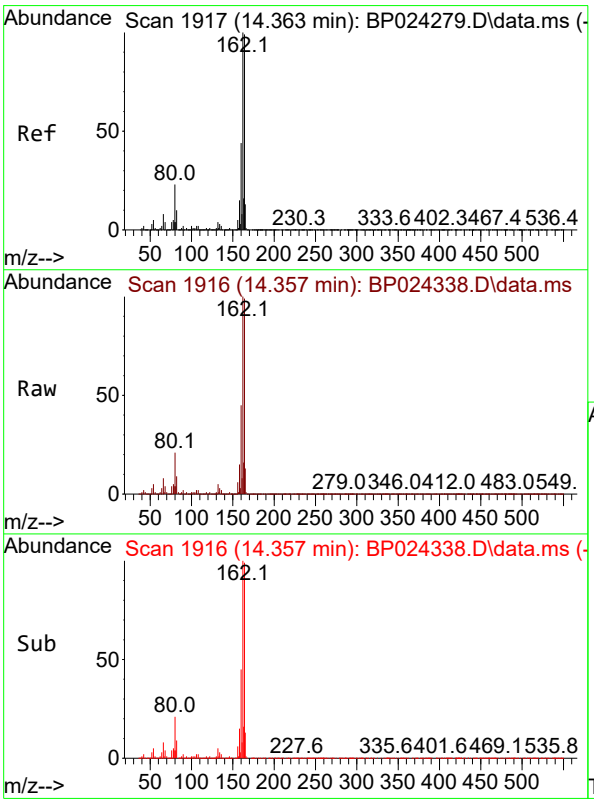
#23
Nitrobenzene-d5
Concen: 94.368 ng
RT: 8.869 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Tgt Ion: 82 Resp: 1610574

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	42.8	33.4	50.2

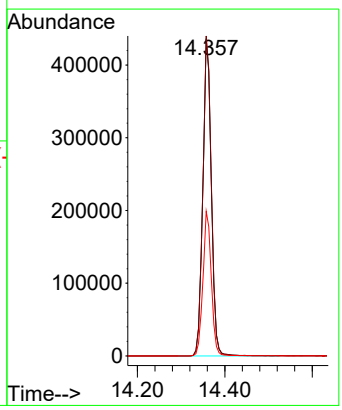


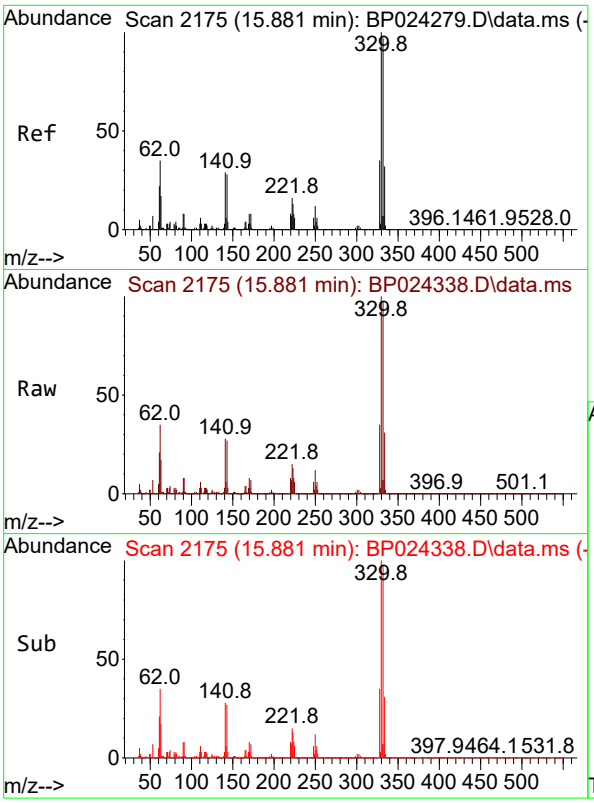


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1916
Delta R.T. 0.006 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Tgt Ion:164 Resp: 589955

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	45.6	35.3	52.9



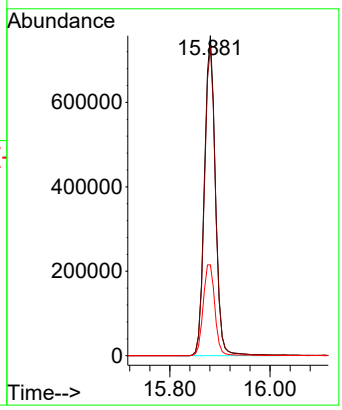


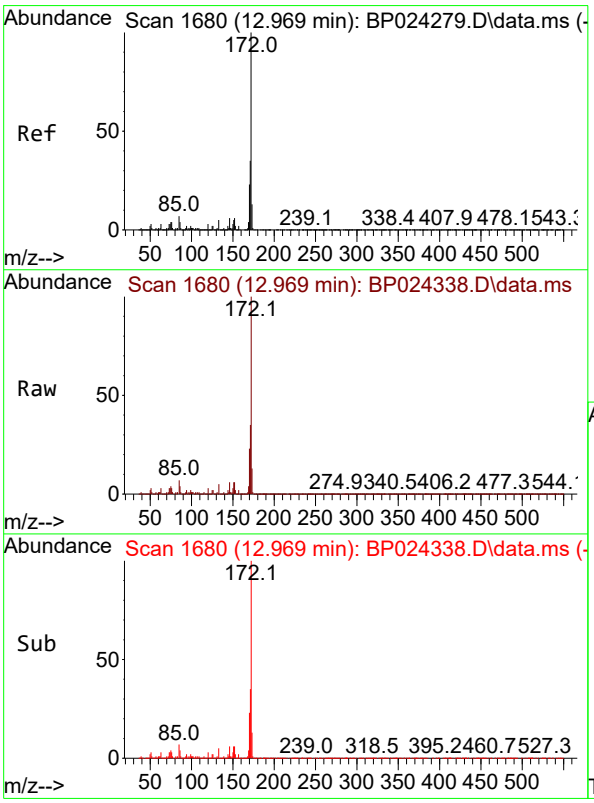
#42
2,4,6-Tribromophenol
Concen: 141.460 ng
RT: 15.881 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Tgt Ion:330 Resp: 1154645

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	30.4	24.7	37.1

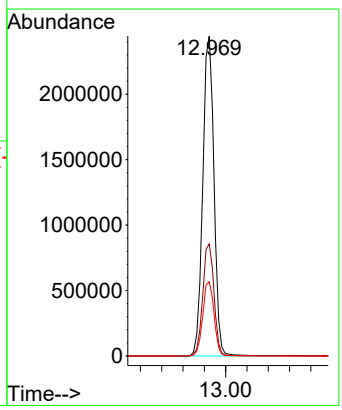


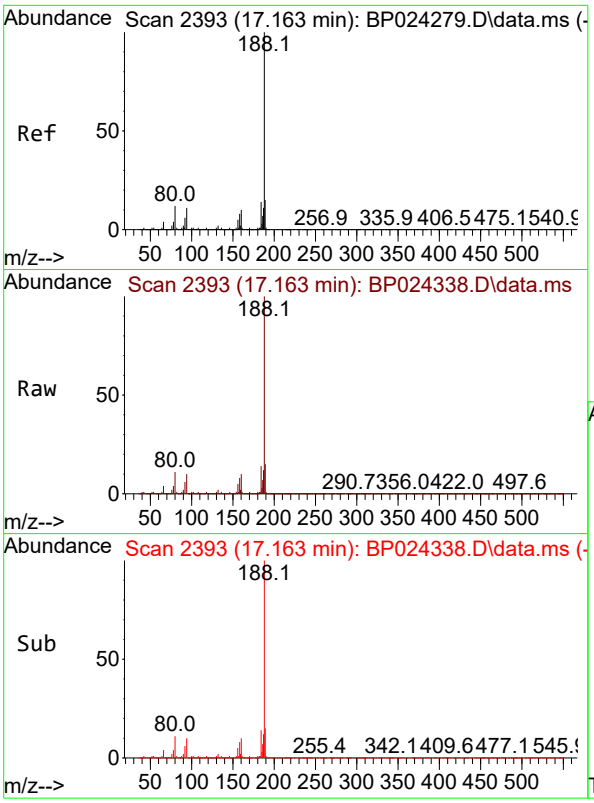


#45
2-Fluorobiphenyl
Concen: 92.427 ng
RT: 12.969 min Scan# 1680
Delta R.T. 0.006 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Tgt Ion:172 Resp: 3561335

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.2
170	23.2	18.6	27.8



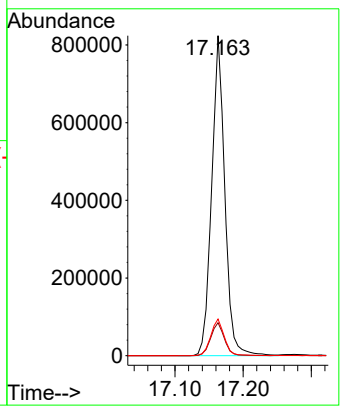


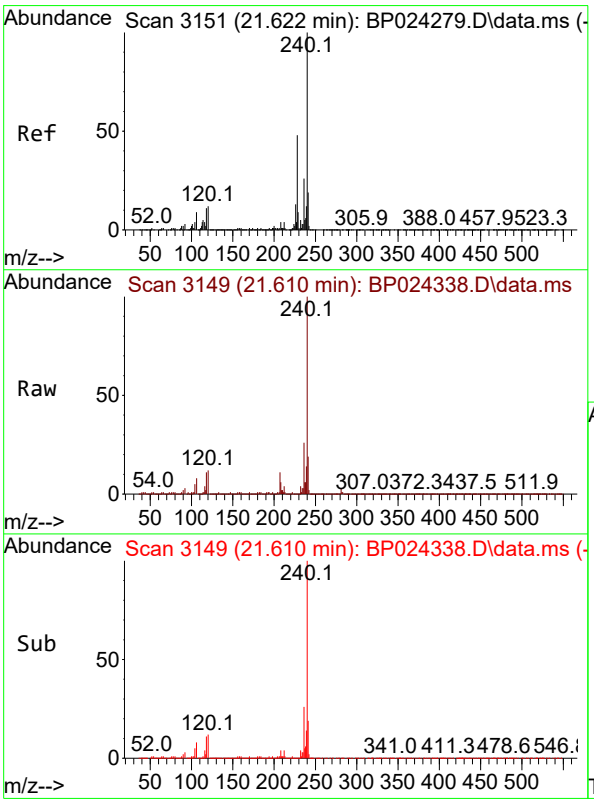
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Tgt Ion:188 Resp: 1105813

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.6	13.0
80	11.4	9.8	14.6

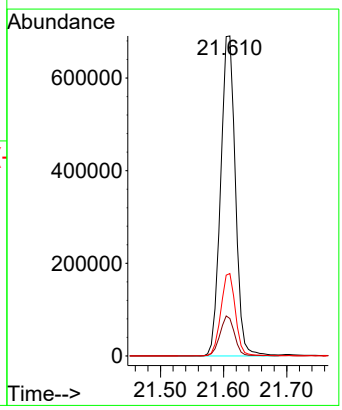


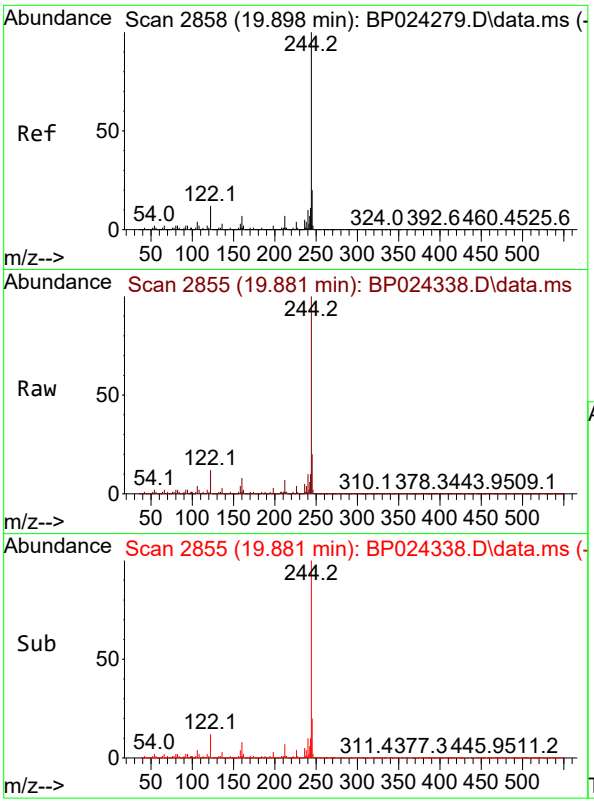


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3149
Delta R.T. 0.018 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Tgt Ion:240 Resp: 1122373

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	25.7	20.9	31.3



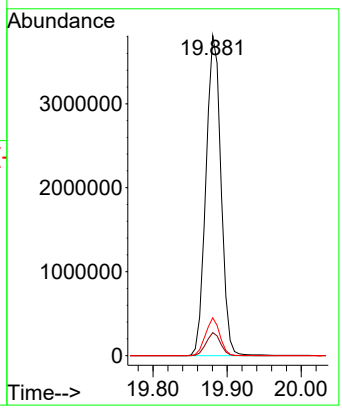


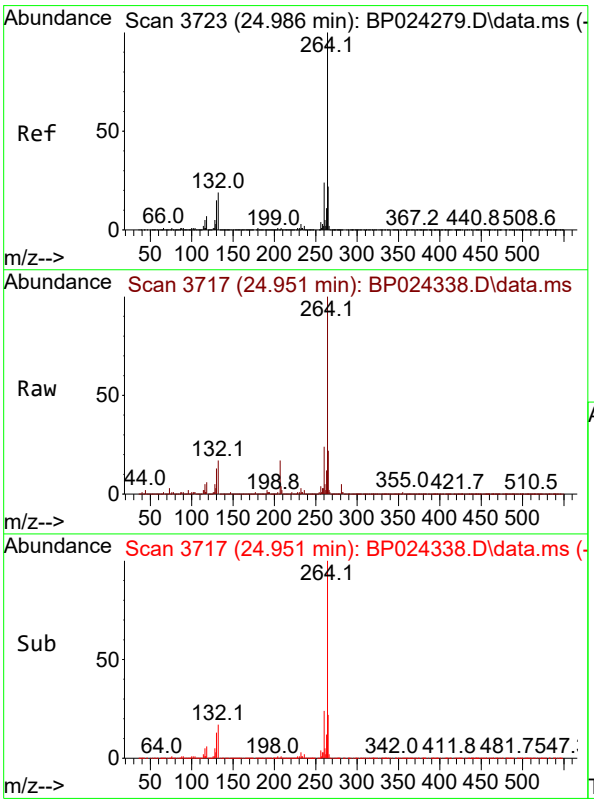
#79
Terphenyl-d14
Concen: 96.573 ng
RT: 19.881 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Tgt Ion:244 Resp: 5377497

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.9	9.4	14.0

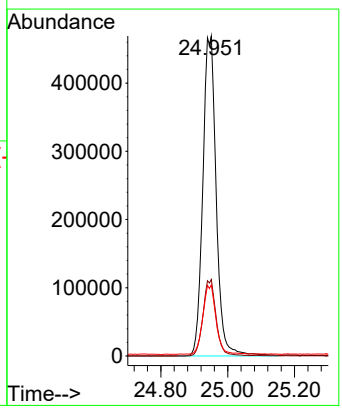




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.951 min Scan# 3717
Delta R.T. 0.018 min
Lab File: BP024338.D
Acq: 18 Apr 2025 11:54

Tgt Ion:264 Resp: 1307380

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.2	17.8	26.6



Sample Results: **BP024338.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024338.D
Acq On : 18 Apr 2025 11:54
Operator : RC/JU
Sample : PB167625BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BL

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_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024338.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.305	202	207	215	rBV	288131	383932	2.64%	0.547%
2	4.893	301	307	321	rBV	2126732	2878584	19.77%	4.104%
3	5.346	378	384	399	rBV	4805244	6868483	47.18%	9.792%
4	5.946	480	486	496	rVB	463892	636912	4.38%	0.908%
5	6.917	642	651	671	rBV	4193761	6904502	47.43%	9.843%
6	7.728	779	789	798	rBV	897160	1405201	9.65%	2.003%
7	8.869	975	983	998	rBV	2692029	4467265	30.69%	6.369%
8	10.499	1252	1260	1271	rBV	1143585	1924391	13.22%	2.744%
9	12.969	1671	1680	1698	rBV	6999985	10271246	70.56%	14.643%
10	14.357	1909	1916	1936	rBV	1840085	2514649	17.27%	3.585%
11	15.881	2167	2175	2196	rBV	5091290	8110437	55.71%	11.563%
12	17.163	2386	2393	2408	rBV	2046949	2802680	19.25%	3.996%
13	19.881	2849	2855	2871	rBV	10467486	14557499	100.00%	20.754%
14	21.610	3143	3149	3161	rVB	1886796	3074072	21.12%	4.383%
15	24.939	3708	3715	3731	rVB2	1236685	3343136	22.97%	4.766%

Sum of corrected areas: 70142989

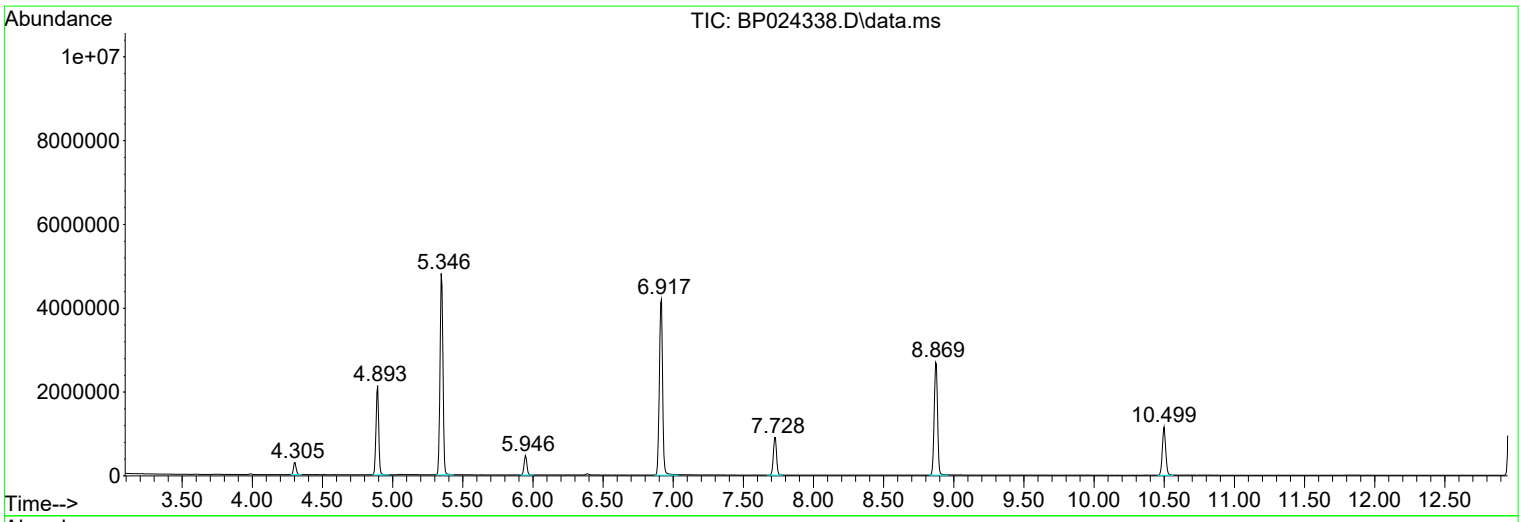
Sample Results: **BP024338.D**

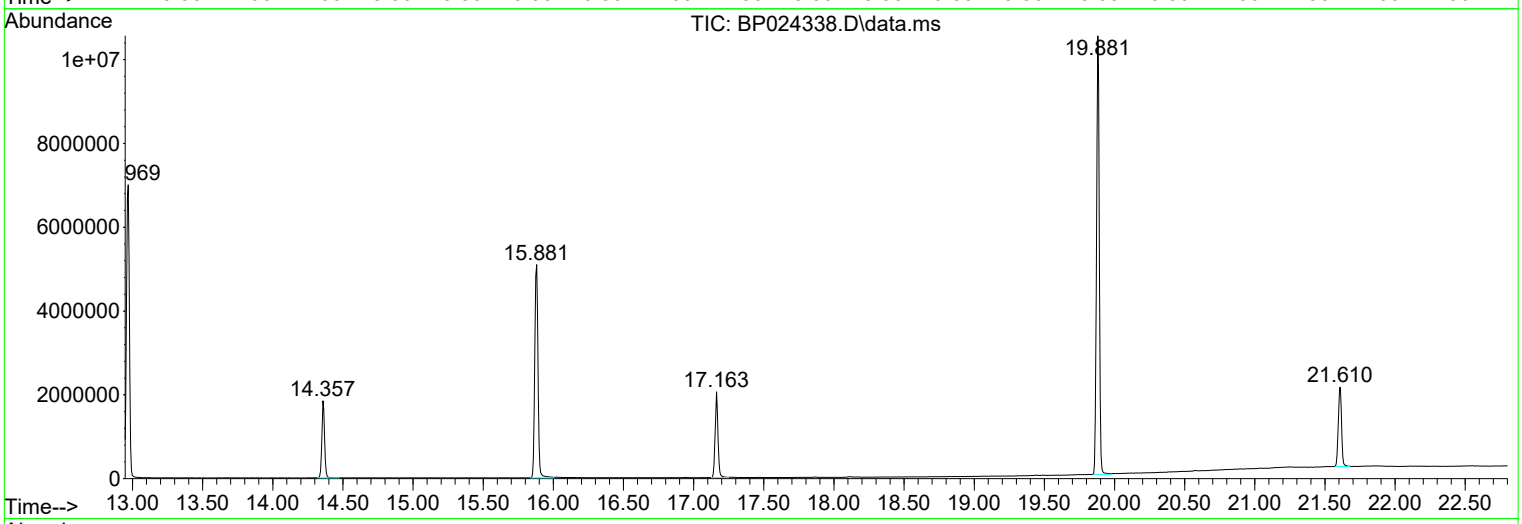
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024338.D
Acq On : 18 Apr 2025 11:54
Operator : RC/JU
Sample : PB167625BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

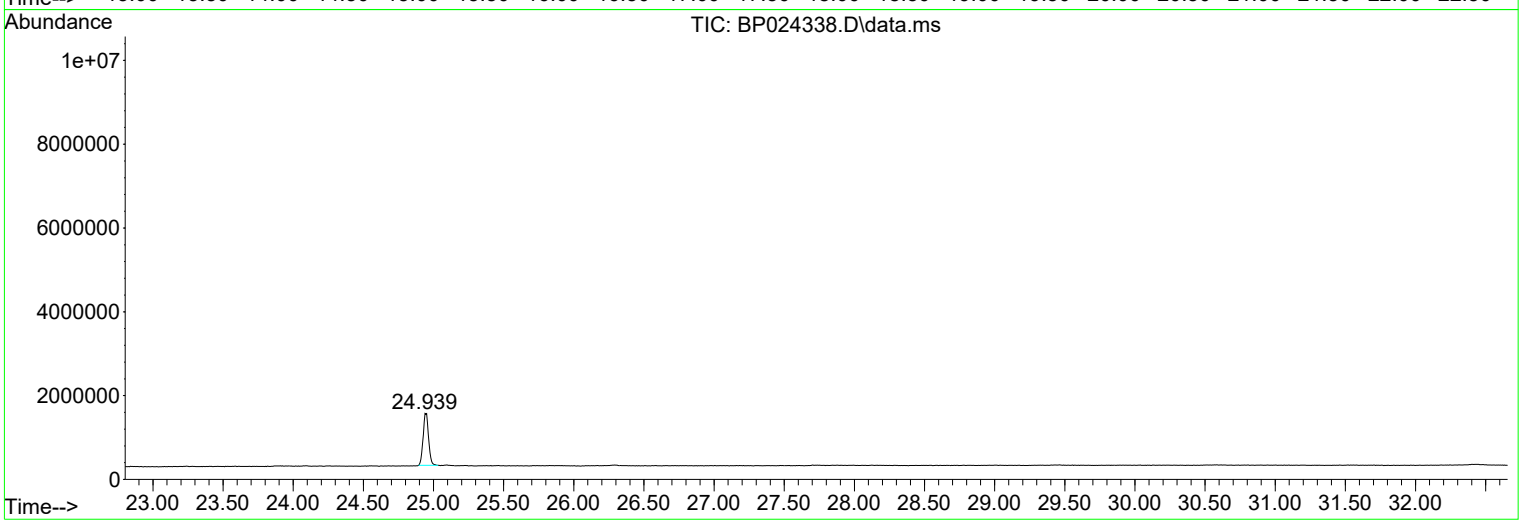
Instrument :
BNA_P
ClientSampleId :
PB167625BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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_P\Data\BP041825\
Data File : BP024338.D
Acq On : 18 Apr 2025 11:54
Operator : RC/JU
Sample : PB167625BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

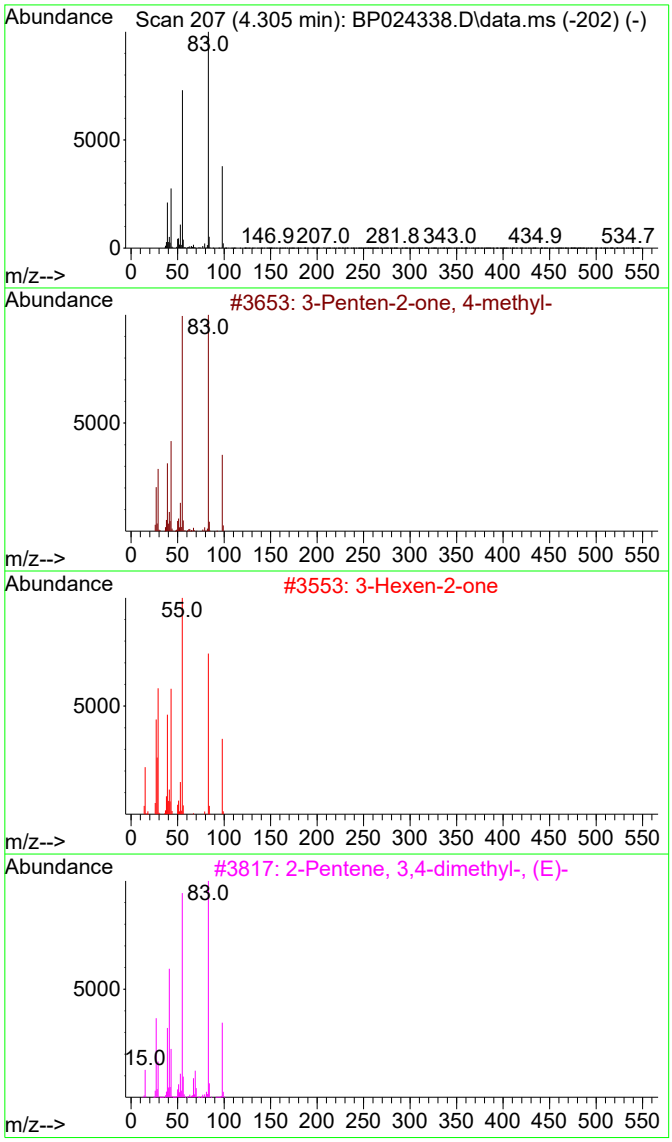
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

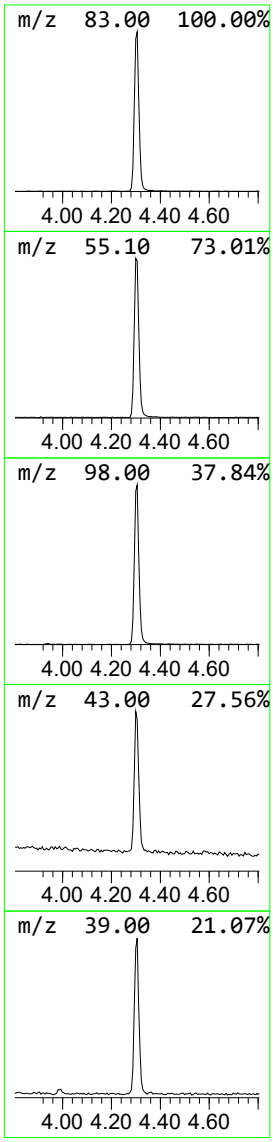
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.305	5.46 ng	383932	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024338.D
Acq On : 18 Apr 2025 11:54
Operator : RC/JU
Sample : PB167625BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

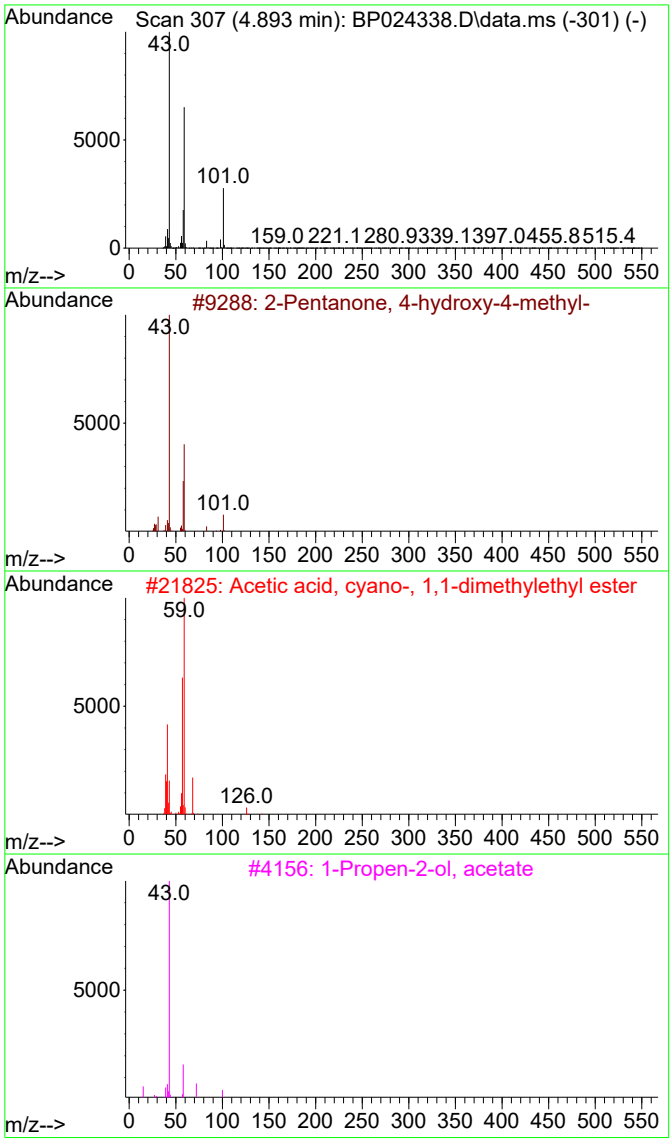
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TIC Integration Parameters: LSCINT.P

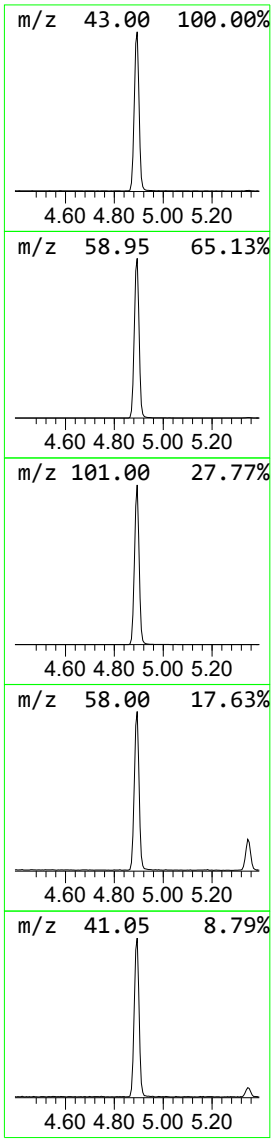
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.893	40.97 ng	2878580	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024338.D
Acq On : 18 Apr 2025 11:54
Operator : RC/JU
Sample : PB167625BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BL

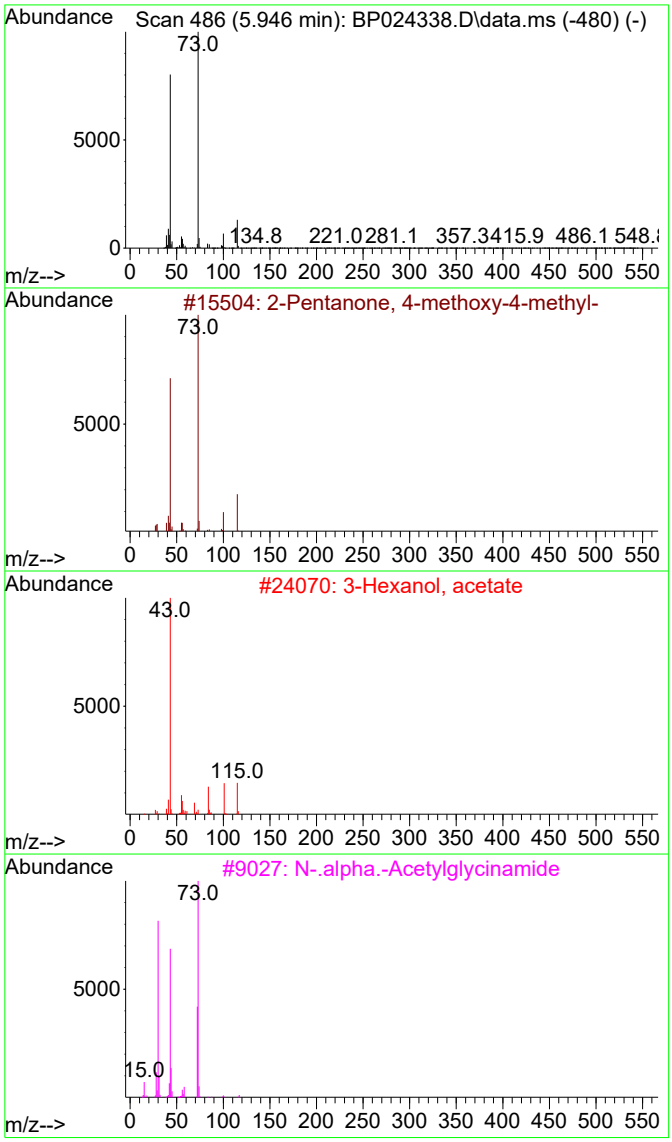
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

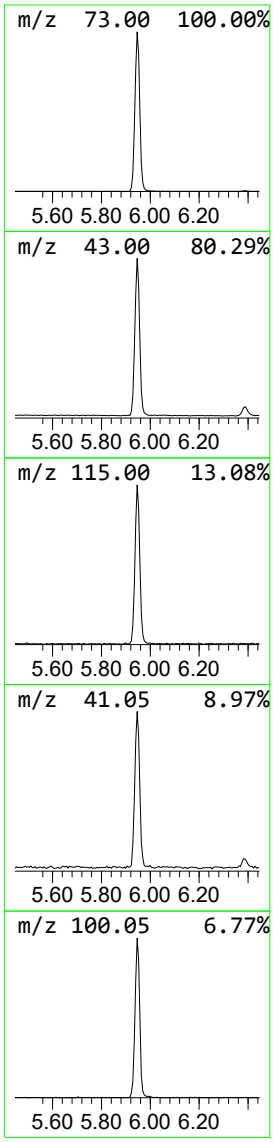
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.946	9.07 ng	636912	1,4-Dichlorobenzene-d4	7.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	3-Hexanol, acetate	144	C8H16O2	040780-64-1	32
3	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	28
4	2-Pentene, 2-methoxy-	100	C6H12O	061142-47-0	22
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024338.D
Acq On : 18 Apr 2025 11:54
Operator : RC/JU
Sample : PB167625BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.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
3-Penten-2-one,...	4.305	5.5	ng	383932	1	7.728	1405200	20.0
2-Pentanone, 4-...	4.893	41.0	ng	2878580	1	7.728	1405200	20.0
2-Pentanone, 4-...	5.946	9.1	ng	636912	1	7.728	1405200	20.0

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BS	SDG No.:	Q1812
Lab Sample ID:	PB167625BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024339.D	1	04/17/25 10:40	04/18/25 12:35	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	35.9		3.90	10.0	ug/L
108-95-2	Phenol	45.3		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.0		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.9		0.58	5.00	ug/L
95-48-7	2-Methylphenol	47.3		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.3		1.30	5.00	ug/L
98-86-2	Acetophenone	42.7		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.6		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.2		1.40	2.50	ug/L
67-72-1	Hexachloroethane	45.7		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.7		0.76	5.00	ug/L
78-59-1	Isophorone	44.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	46.4		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	63.8		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.3		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.0		0.52	5.00	ug/L
91-20-3	Naphthalene	41.6		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	15.6		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.4		0.54	5.00	ug/L
105-60-2	Caprolactam	40.0		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.0		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	37.7		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.0		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.0		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	43.8		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.1		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	46.8		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	41.9		0.61	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BS	SDG No.:	Q1812
Lab Sample ID:	PB167625BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024339.D	1	04/17/25 10:40	04/18/25 12:35	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	44.2		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	38.3		1.10	5.00	ug/L
83-32-9	Acenaphthene	42.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	93.4	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	88.6	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	41.1		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.8		1.20	5.00	ug/L
84-66-2	Diethylphthalate	41.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.0		0.68	5.00	ug/L
86-73-7	Fluorene	42.8		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	43.5		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.0		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.4		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	48.7		0.52	5.00	ug/L
1912-24-9	Atrazine	62.9		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	94.3	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	45.1		0.50	5.00	ug/L
120-12-7	Anthracene	48.1		0.61	5.00	ug/L
86-74-8	Carbazole	45.2		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.7		1.20	5.00	ug/L
206-44-0	Fluoranthene	42.7		0.82	5.00	ug/L
129-00-0	Pyrene	45.4		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.8		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.5		0.45	5.00	ug/L
218-01-9	Chrysene	46.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.6		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	52.1		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	43.1		0.49	5.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BS	SDG No.:	Q1812
Lab Sample ID:	PB167625BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024339.D	1	04/17/25 10:40	04/18/25 12:35	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.2		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.2		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.3		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.7		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.8		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	35.8		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.5		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	121		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.3		30 (49) - 130 (133)	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.9		30 (52) - 130 (132)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	89.5		30 (48) - 130 (125)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.728			
1146-65-2	Naphthalene-d8	1100000	10.504			
15067-26-2	Acenaphthene-d10	655000	14.351			
1517-22-2	Phenanthrene-d10	1170000	17.145			
1719-03-5	Chrysene-d12	1150000	21.586			
1520-96-3	Perylene-d12	1390000	24.939			

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_P\Data\BP041825\
Data File : BP024339.D
Acq On : 18 Apr 2025 12:35
Operator : RC/JU
Sample : PB167625BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Quant Time: Apr 19 02:50:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	270101	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	1100496	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	654722	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	1166735	20.000	ng	0.00
76) Chrysene-d12	21.586	240	1153642	20.000	ng	0.00
86) Perylene-d12	24.939	264	1393018	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2143837	131.238	ng	0.00
7) Phenol-d6	6.916	99	2697181	120.582	ng	0.00
23) Nitrobenzene-d5	8.881	82	1626249	84.263	ng	0.01
42) 2,4,6-Tribromophenol	15.869	330	1142714	126.149	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	3630113	84.893	ng	0.00
79) Terphenyl-d14	19.875	244	5121941	89.490	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	247148	35.769	ng	98
3) Pyridine	3.681	79	642094	35.192	ng	97
4) n-Nitrosodimethylamine	3.593	42	262230	43.306	ng	95
6) Aniline	7.069	93	663322	33.186	ng	100
8) 2-Chlorophenol	7.305	128	836775	45.880	ng	100
9) Benzaldehyde	6.881	77	396903	35.871	ng	97
10) Phenol	6.946	94	1016405	45.298	ng	99
11) bis(2-Chloroethyl)ether	7.158	93	777700	43.017	ng	99
12) 1,3-Dichlorobenzene	7.622	146	850994	43.341	ng	99
13) 1,4-Dichlorobenzene	7.763	146	868621	43.601	ng	100
14) 1,2-Dichlorobenzene	8.075	146	838022	43.563	ng	99
15) Benzyl Alcohol	7.969	79	649826	44.923	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.246	45	864900	44.260	ng	99
17) 2-Methylphenol	8.175	107	686554	47.298	ng	99
18) Hexachloroethane	8.799	117	329356	45.746	ng	98
19) n-Nitroso-di-n-propyla...	8.528	70	569870	41.181	ng	99
20) 3+4-Methylphenols	8.499	107	917423	45.550	ng	99
22) Acetophenone	8.546	105	1161884	42.657	ng	99
24) Nitrobenzene	8.922	77	834746	43.721	ng	99
25) Isophorone	9.446	82	1569529	44.929	ng	98
26) 2-Nitrophenol	9.622	139	433832	46.432	ng	98
27) 2,4-Dimethylphenol	9.687	122	748273	63.782	ng	99
28) bis(2-Chloroethoxy)met...	9.916	93	1021916	43.303	ng	100
29) 2,4-Dichlorophenol	10.157	162	736083	46.016	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	753794	43.982	ng	99
31) Naphthalene	10.551	128	2413153	41.628	ng	99
32) Benzoic acid	9.834	122	497059	36.361	ng	99
33) 4-Chloroaniline	10.675	127	318013	15.578	ng	99
34) Hexachlorobutadiene	10.840	225	456730	45.350	ng	99
35) Caprolactam	11.457	113	235875	39.963	ng	94
36) 4-Chloro-3-methylphenol	11.798	107	800377	42.957	ng	99
37) 2-Methylnaphthalene	12.163	142	1516705	37.726	ng	99
38) 1-Methylnaphthalene	12.381	142	1595366	40.564	ng	99
40) 1,2,4,5-Tetrachloroben...	12.534	216	822938	45.706	ng	98
41) Hexachlorocyclopentadiene	12.516	237	1227070	192.697	ng	99
43) 2,4,6-Trichlorophenol	12.775	196	574741	48.012	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024339.D
Acq On : 18 Apr 2025 12:35
Operator : RC/JU
Sample : PB167625BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Quant Time: Apr 19 02:50:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

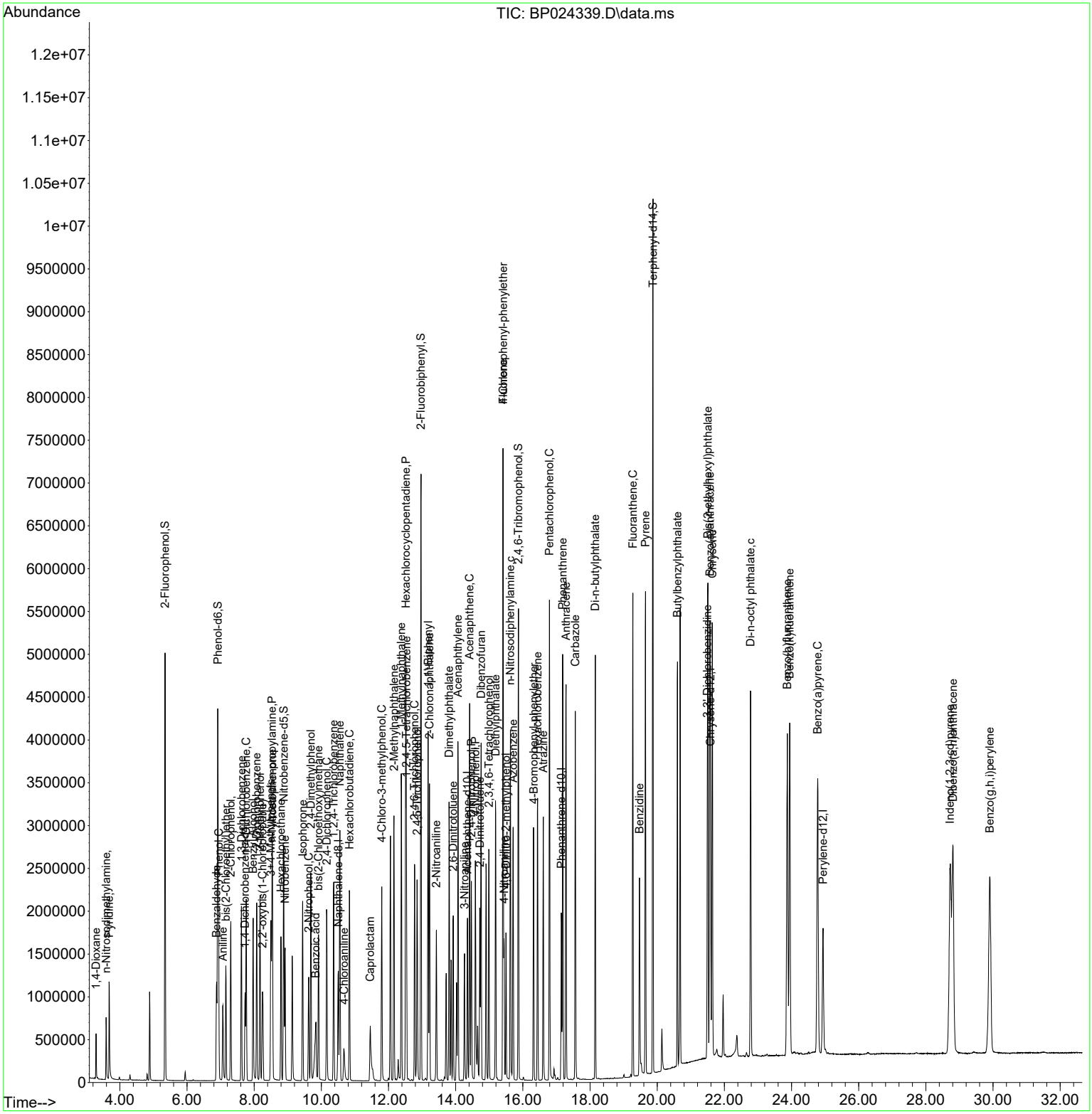
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.851	196	623380	47.026	ng	99
46) 1,1'-Biphenyl	13.181	154	2107178	43.785	ng	99
47) 2-Chloronaphthalene	13.222	162	1622564	45.111	ng	99
48) 2-Nitroaniline	13.422	65	472428	46.825	ng	96
49) Acenaphthylene	14.069	152	2689385	47.491	ng	100
50) Dimethylphthalate	13.804	163	1994238	41.885	ng	99
51) 2,6-Dinitrotoluene	13.928	165	446783	44.190	ng	99
52) Acenaphthene	14.416	154	1525613	42.495	ng	100
53) 3-Nitroaniline	14.263	138	407138	38.315	ng	100
54) 2,4-Dinitrophenol	14.469	184	556165	93.387	ng	97
55) Dibenzofuran	14.757	168	2410517	41.077	ng	99
56) 4-Nitrophenol	14.587	139	813407	88.632	ng	94
57) 2,4-Dinitrotoluene	14.722	165	618401	44.838	ng	97
58) Fluorene	15.410	166	1943368	42.779	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.992	232	531925	43.507	ng	99
60) Diethylphthalate	15.187	149	2036418	41.504	ng	100
61) 4-Chlorophenyl-phenyle...	15.410	204	949520	43.042	ng	99
62) 4-Nitroaniline	15.445	138	488998	43.470	ng	97
63) Azobenzene	15.710	77	1873779	41.550	ng	98
65) 4,6-Dinitro-2-methylph...	15.498	198	345493	46.969	ng	99
66) n-Nitrosodiphenylamine	15.628	169	1652360	47.448	ng	99
67) 4-Bromophenyl-phenylether	16.322	248	613342	48.066	ng	99
68) Hexachlorobenzene	16.439	284	738312	48.692	ng	98
69) Atrazine	16.610	200	557700	62.879	ng	99
70) Pentachlorophenol	16.792	266	997488	94.298	ng	99
71) Phenanthrene	17.186	178	2869809	45.088	ng	100
72) Anthracene	17.286	178	2948832	48.070	ng	99
73) Carbazole	17.563	167	2711947	45.246	ng	100
74) Di-n-butylphthalate	18.157	149	3413441	45.711	ng	100
75) Fluoranthene	19.275	202	3232449	42.701	ng	99
77) Benzidine	19.475	184	1622177	110.930	ng	99
78) Pyrene	19.651	202	3326485	45.372	ng	99
80) Butylbenzylphthalate	20.604	149	1530954	48.752	ng	97
81) Benzo(a)anthracene	21.569	228	3331673	46.463	ng	100
82) 3,3'-Dichlorobenzidine	21.492	252	789098	31.353	ng	100
83) Chrysene	21.639	228	3168712	46.126	ng	100
84) Bis(2-ethylhexyl)phtha...	21.510	149	2282241	49.576	ng	100
85) Di-n-octyl phthalate	22.780	149	3899293	52.102	ng	100
87) Indeno(1,2,3-cd)pyrene	28.715	276	4674044	48.331	ng	94
88) Benzo(b)fluoranthene	23.874	252	3602298	43.142	ng	99
89) Benzo(k)fluoranthene	23.945	252	3648268	45.233	ng	100
90) Benzo(a)pyrene	24.780	252	3544769	49.215	ng	99
91) Dibenzo(a,h)anthracene	28.809	278	3826153	47.665	ng	98
92) Benzo(g,h,i)perylene	29.903	276	3742703	45.808	ng	99

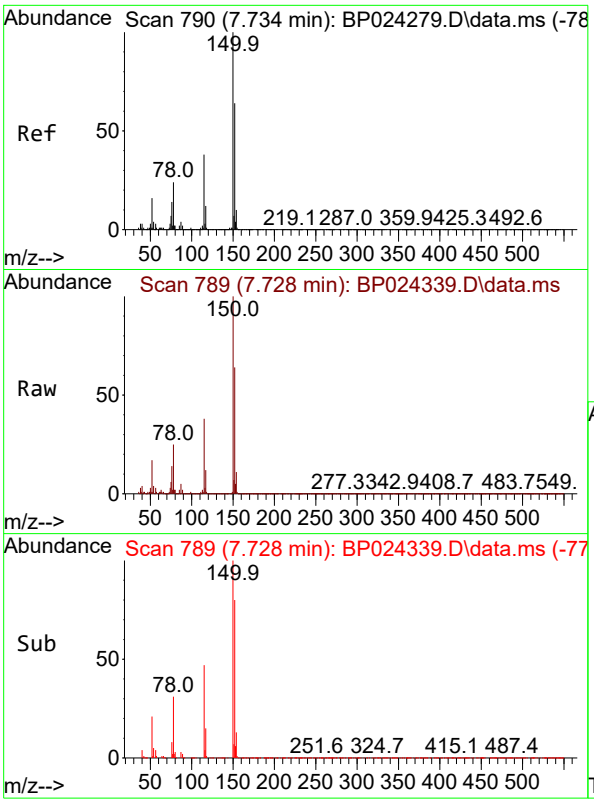
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024339.D
Acq On : 18 Apr 2025 12:35
Operator : RC/JU
Sample : PB167625BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Quant Time: Apr 19 02:50:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



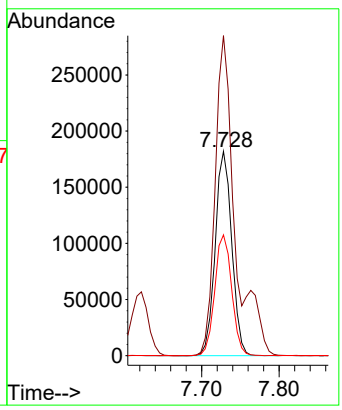


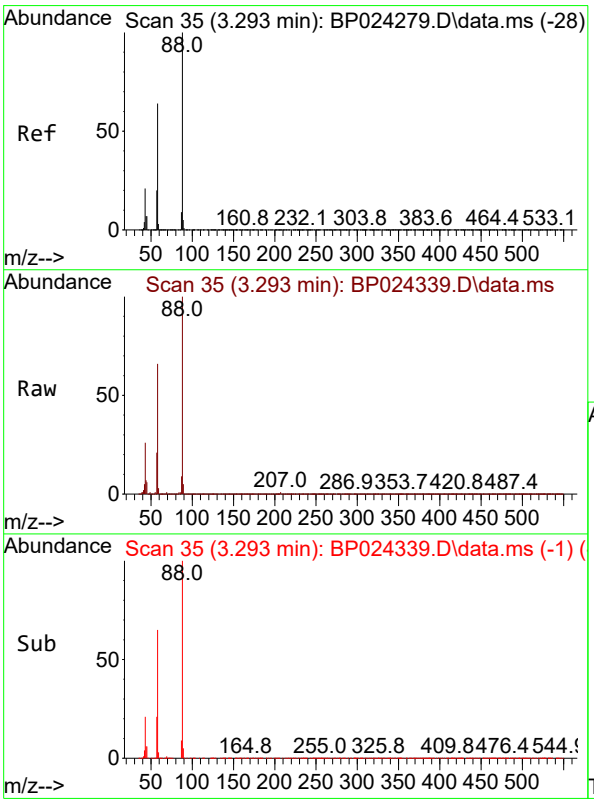
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:152 Resp: 270101

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.9	187.3
115	59.1	47.7	71.5

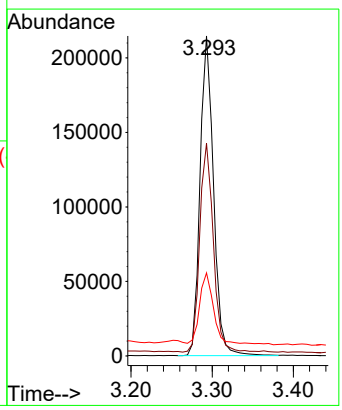


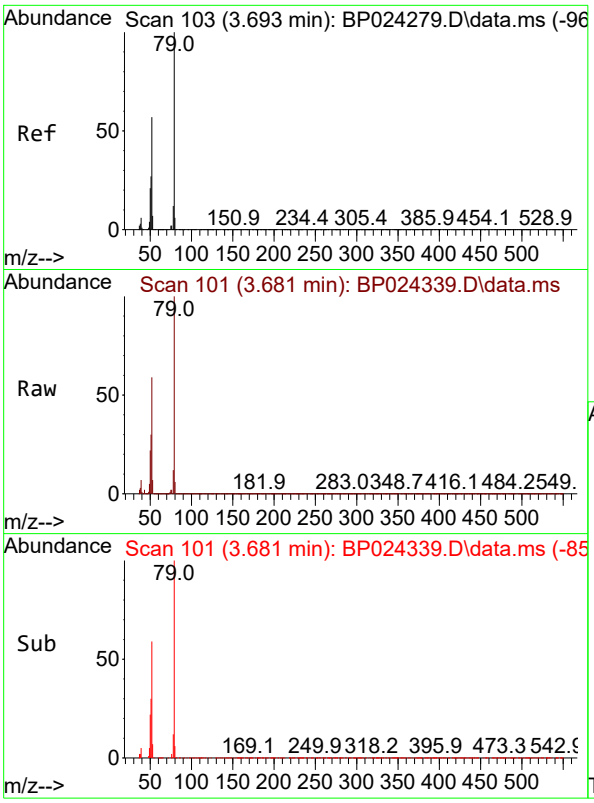


#2
1,4-Dioxane
Concen: 35.769 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion: 88 Resp: 247148

Ion	Ratio	Lower	Upper
88	100		
58	65.8	51.4	77.2
43	22.2	17.1	25.7



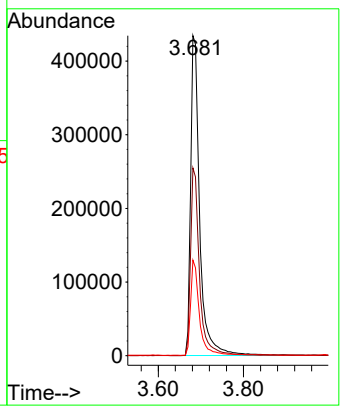


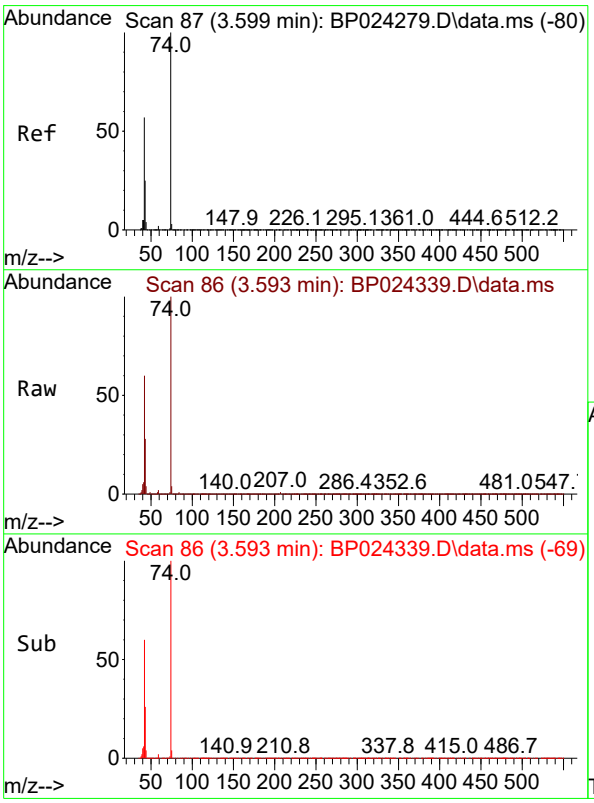
#3
Pyridine
Concen: 35.192 ng
RT: 3.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 79 Resp: 642094

Ion	Ratio	Lower	Upper
79	100		
52	58.7	45.4	68.2
51	29.8	22.6	33.8

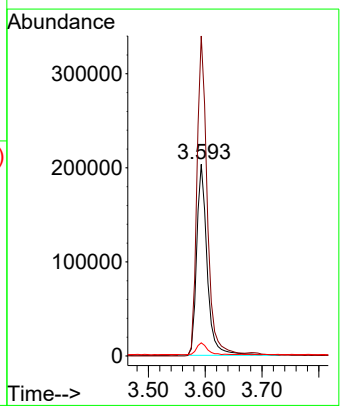


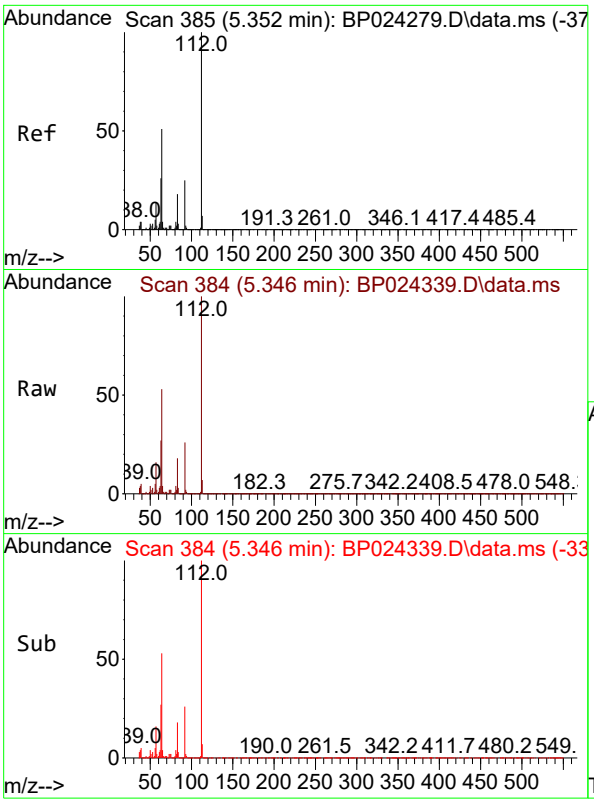


#4
n-Nitrosodimethylamine
Concen: 43.306 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion: 42 Resp: 262230

Ion	Ratio	Lower	Upper
42	100		
74	167.0	139.5	209.3
44	6.9	5.8	8.8



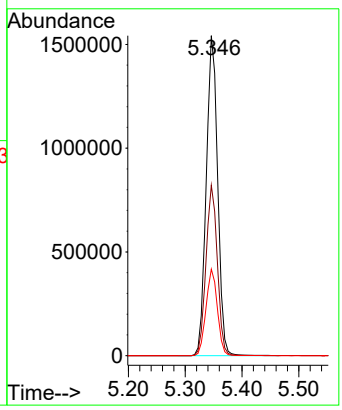


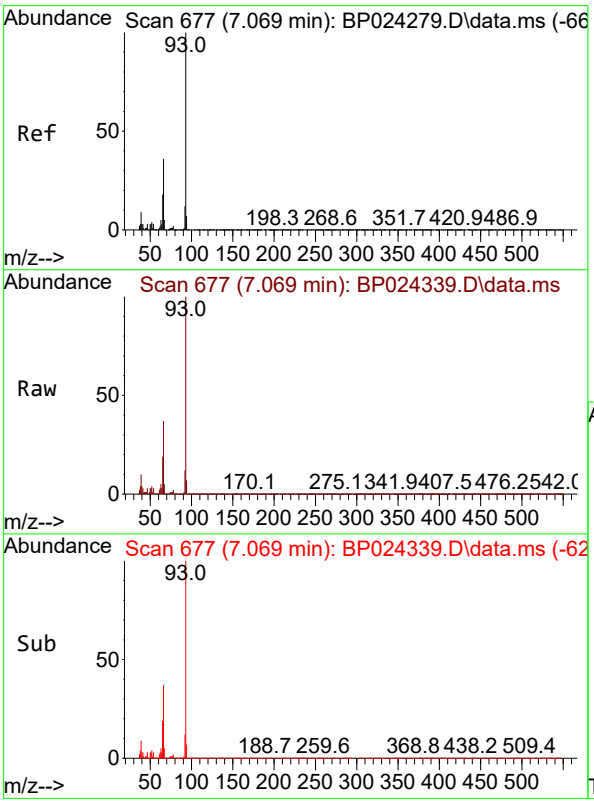
#5
2-Fluorophenol
Concen: 131.238 ng
RT: 5.346 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:112 Resp: 2143837

Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.1	61.7
63	27.1	20.6	30.8

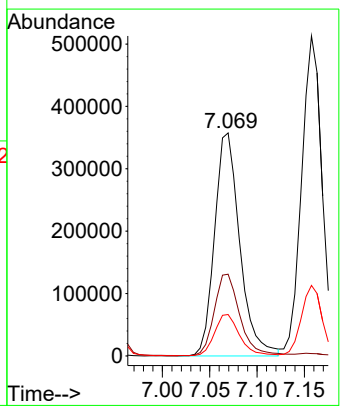


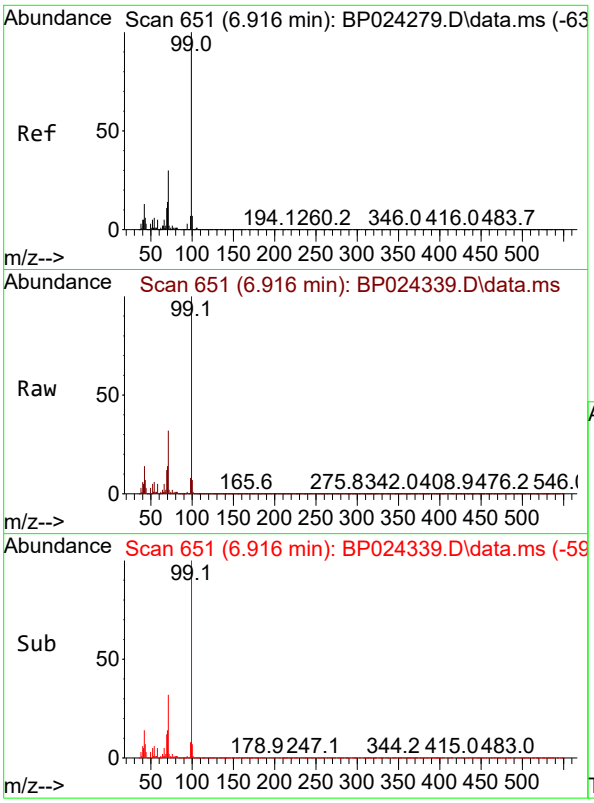


#6
Aniline
Concen: 33.186 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion: 93 Resp: 663322

Ion	Ratio	Lower	Upper
93	100		
66	36.7	29.1	43.7
65	18.6	14.7	22.1



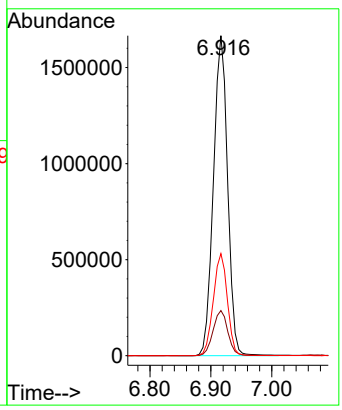


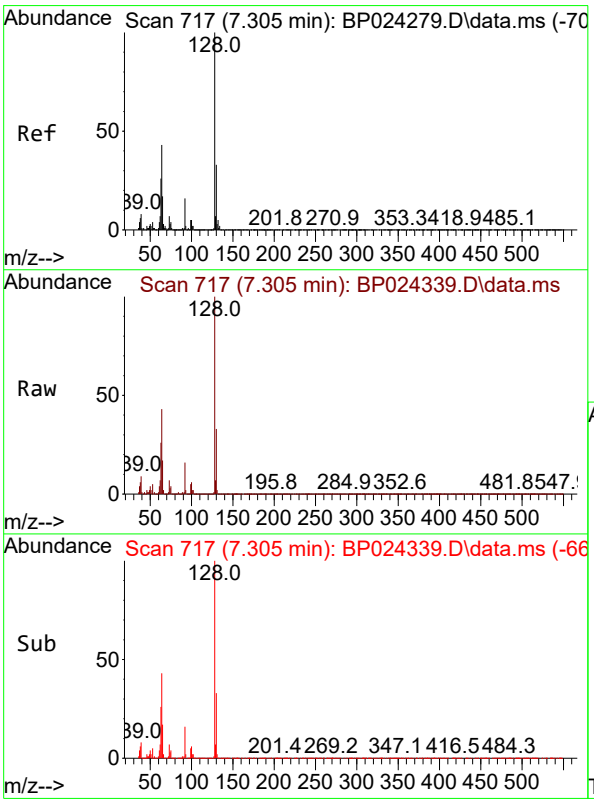
#7
Phenol-d6
Concen: 120.582 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 99 Resp: 2697181

Ion	Ratio	Lower	Upper
99	100		
42	14.1	10.6	16.0
71	31.9	23.7	35.5

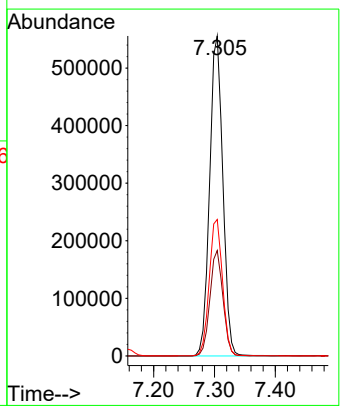


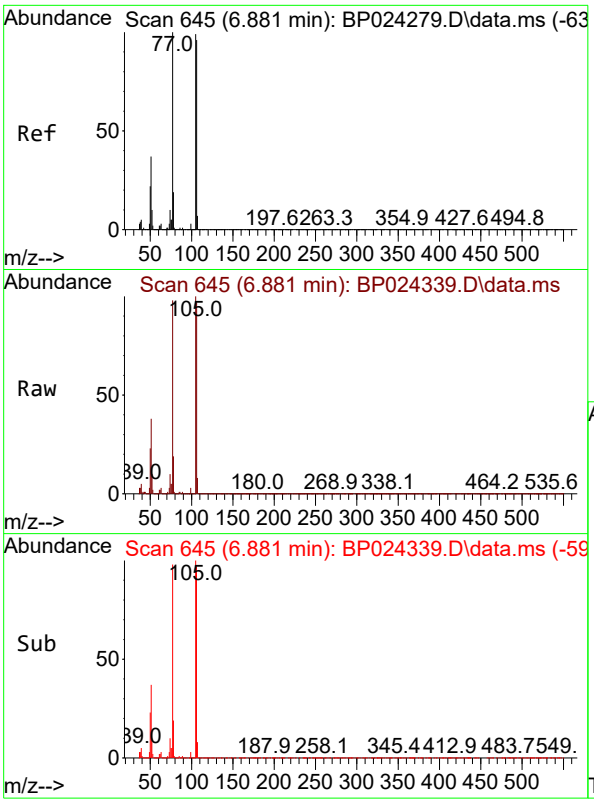


#8
2-Chlorophenol
Concen: 45.880 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:128 Resp: 836775

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.9	52.9
64	42.7	22.7	62.7



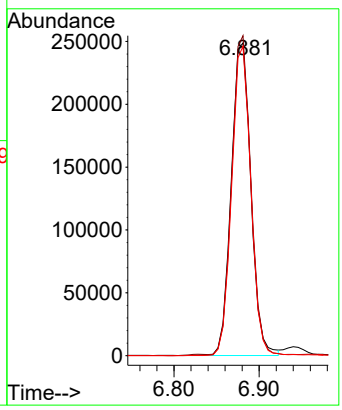


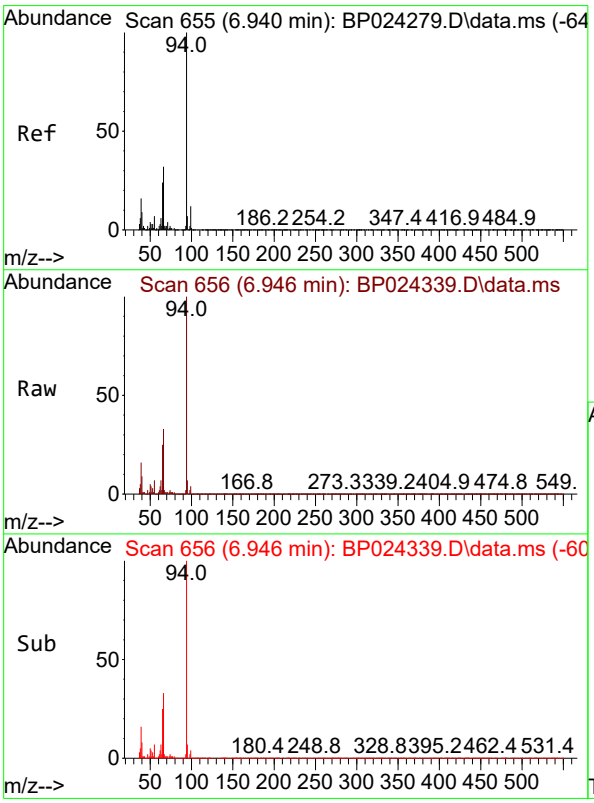
#9
Benzaldehyde
Concen: 35.871 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 77 Resp: 396903

Ion	Ratio	Lower	Upper
77	100		
105	102.3	79.2	119.2
106	98.9	76.2	116.2

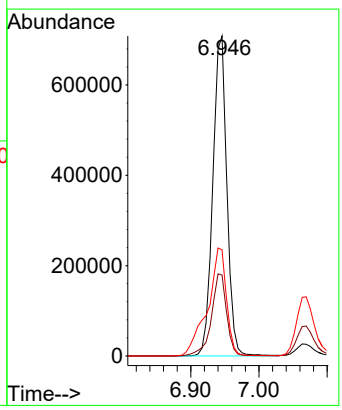


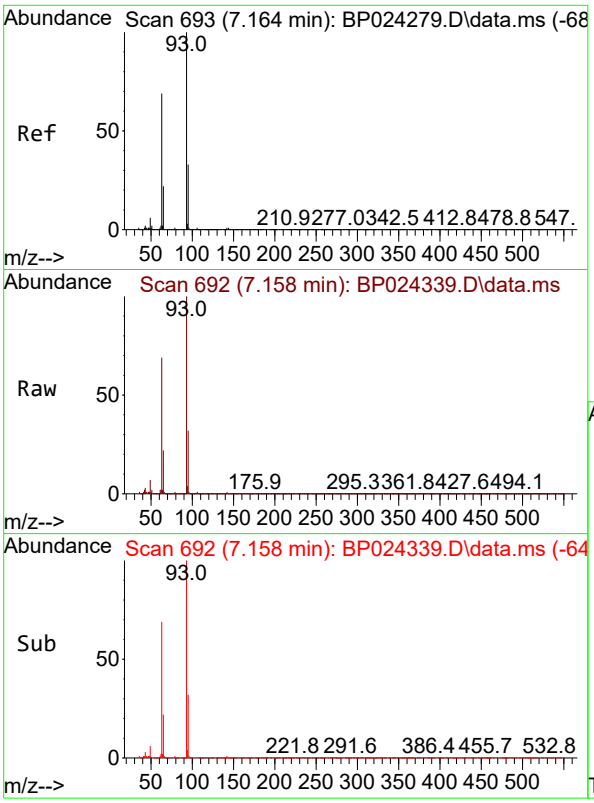


#10
Phenol
Concen: 45.298 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion: 94 Resp: 1016405

Ion	Ratio	Lower	Upper
94	100		
65	25.3	4.5	44.5
66	33.2	12.4	52.4



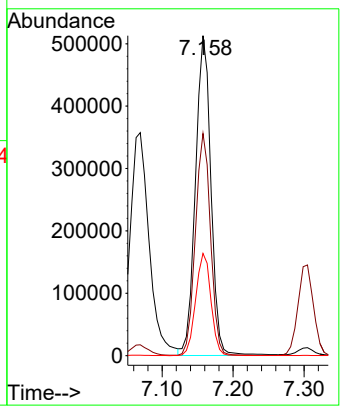


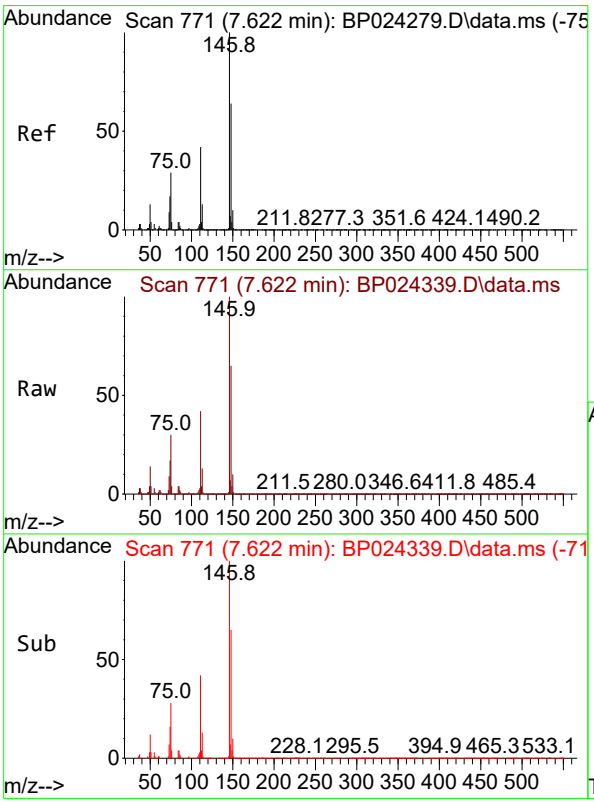
#11
bis(2-Chloroethyl)ether
Concen: 43.017 ng
RT: 7.158 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 93 Resp: 777700

Ion	Ratio	Lower	Upper
93	100		
63	69.5	48.6	88.6
95	31.9	12.3	52.3

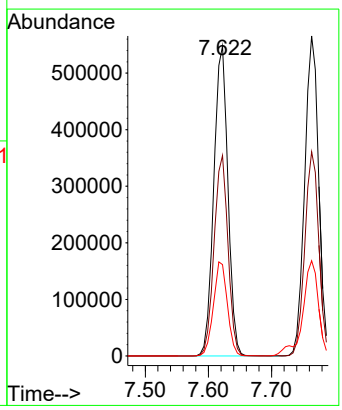


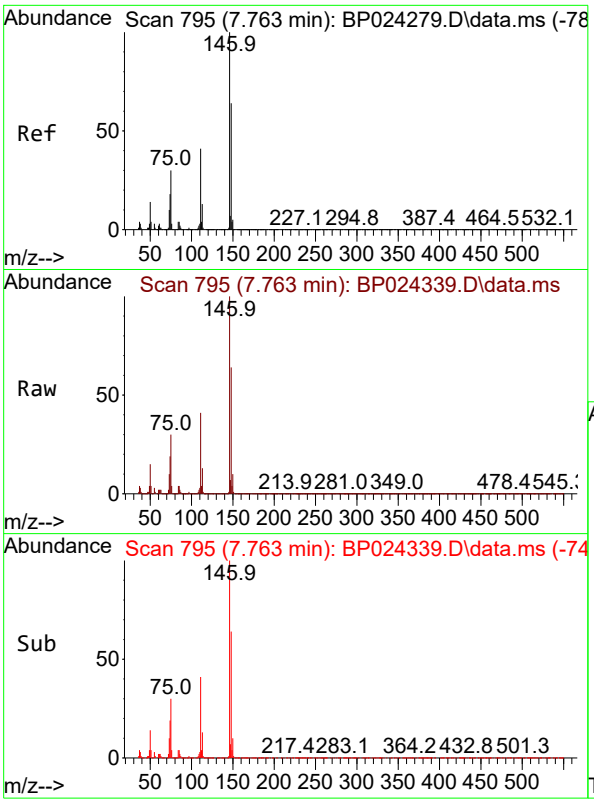


#12
1,3-Dichlorobenzene
Concen: 43.341 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:146 Resp: 850994

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.0
75	29.5	22.9	34.3



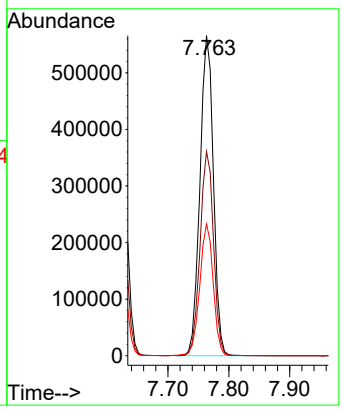


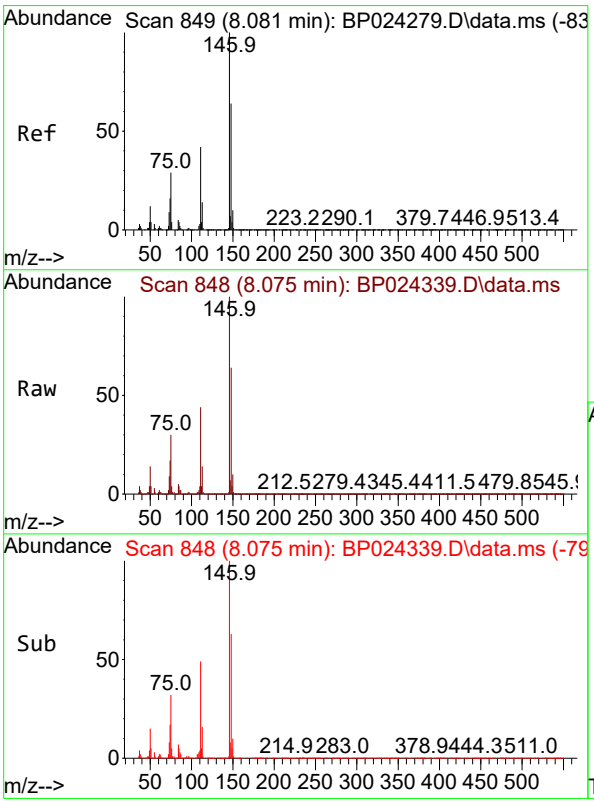
#13
1,4-Dichlorobenzene
Concen: 43.601 ng
RT: 7.763 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:146 Resp: 868621

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
111	41.1	32.6	48.8

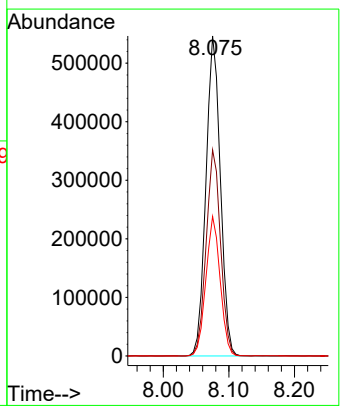


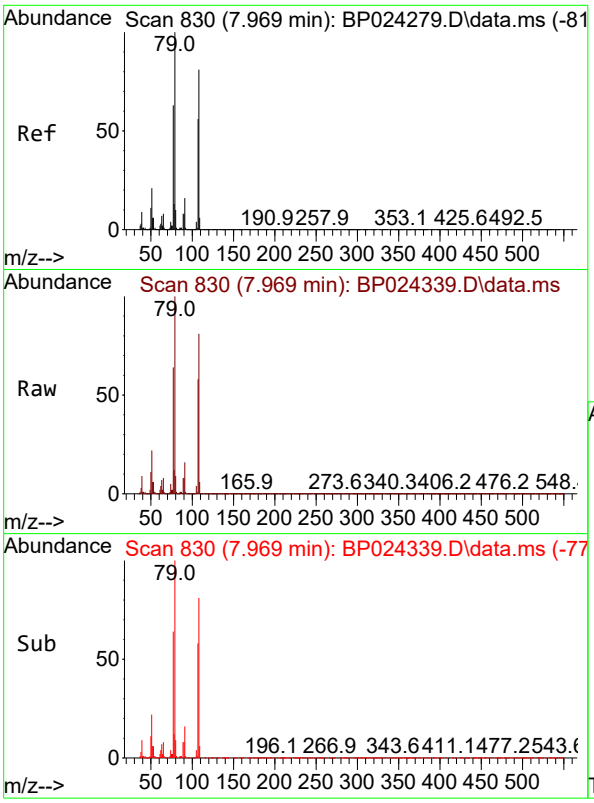


#14
1,2-Dichlorobenzene
Concen: 43.563 ng
RT: 8.075 min Scan# 848
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:146 Resp: 838022

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
111	43.6	33.8	50.8



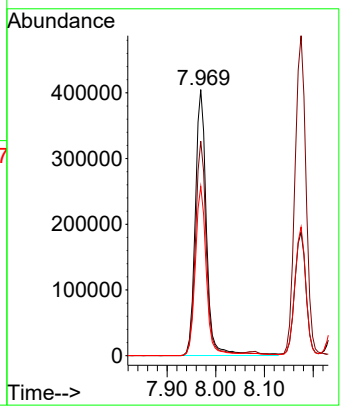


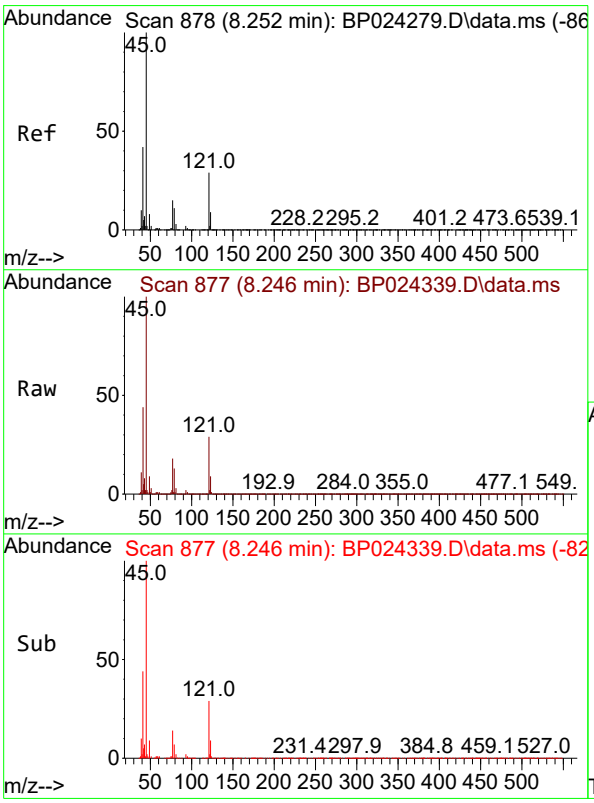
#15
Benzyl Alcohol
Concen: 44.923 ng
RT: 7.969 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 79 Resp: 649826

Ion	Ratio	Lower	Upper
79	100		
108	80.7	65.1	97.7
77	63.6	50.7	76.1

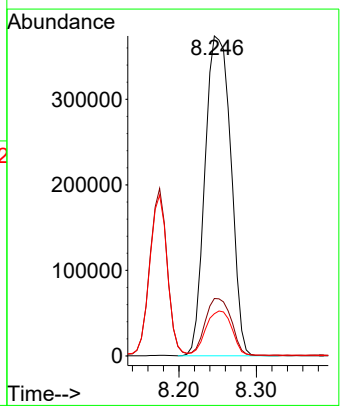


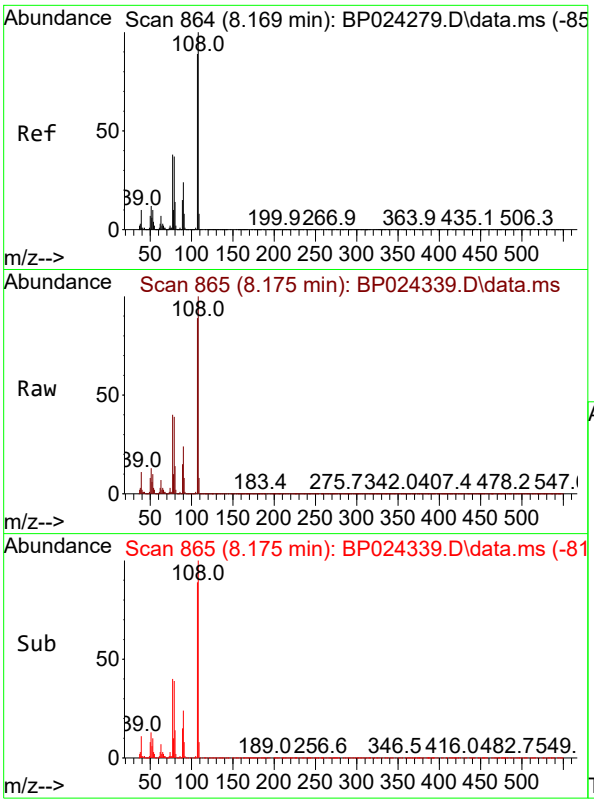


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.260 ng
RT: 8.246 min Scan# 877
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion: 45 Resp: 864900

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	37.7
79	13.2	0.0	33.5



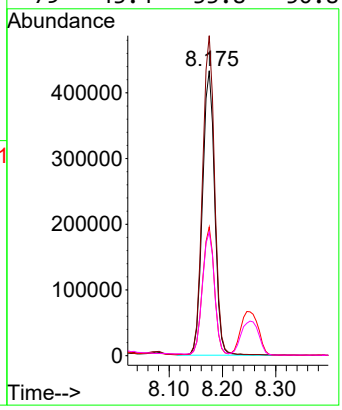


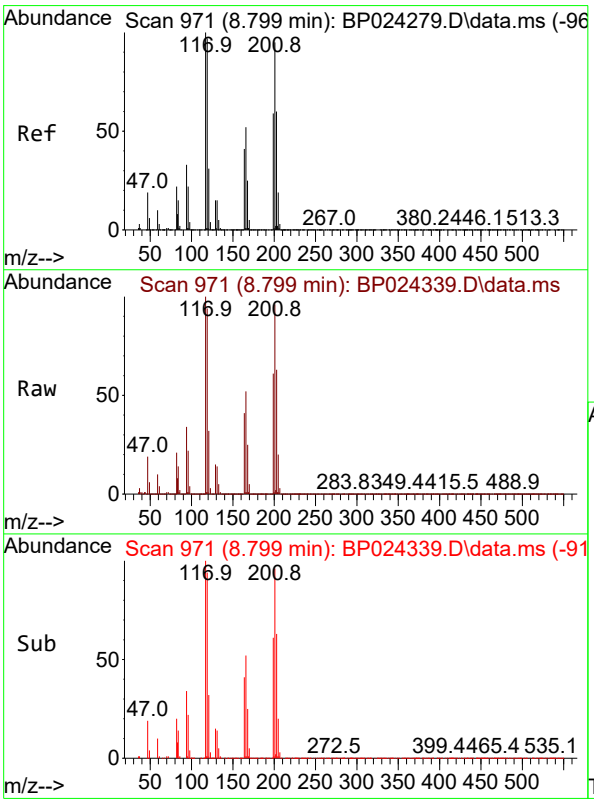
#17
2-Methylphenol
Concen: 47.298 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:107 Resp: 686554

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.8	134.6
77	45.1	34.2	51.4
79	43.4	33.8	50.8

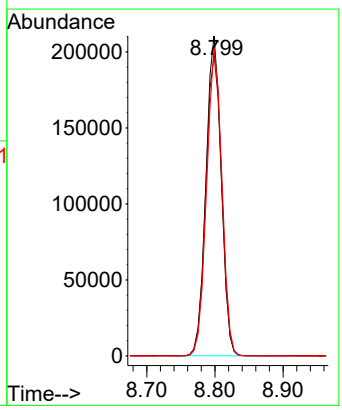


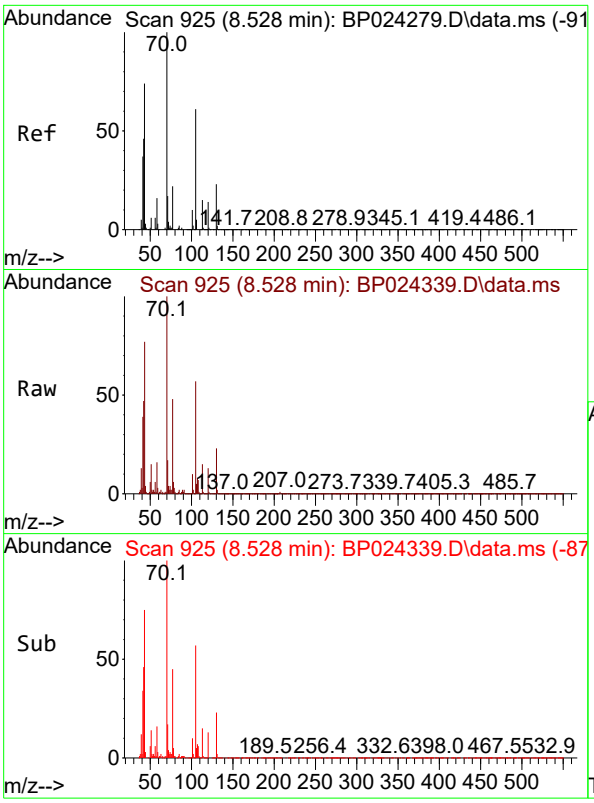


#18
Hexachloroethane
Concen: 45.746 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:117 Resp: 329356

Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.8	116.6
201	96.1	75.9	113.9



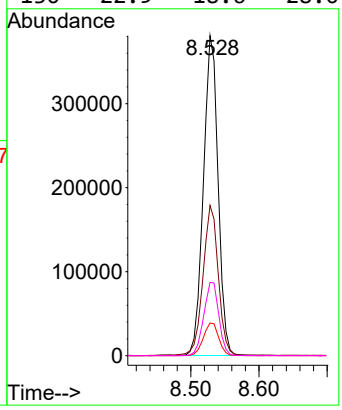


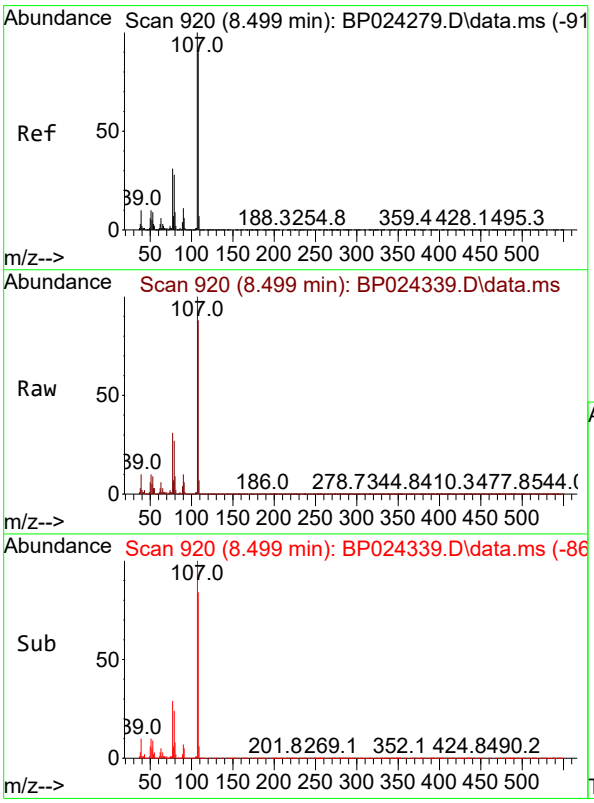
#19
n-Nitroso-di-n-propylamine
Concen: 41.181 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 70 Resp: 569870

Ion	Ratio	Lower	Upper
70	100		
42	47.0	37.3	55.9
101	10.2	8.2	12.4
130	22.9	18.6	28.0

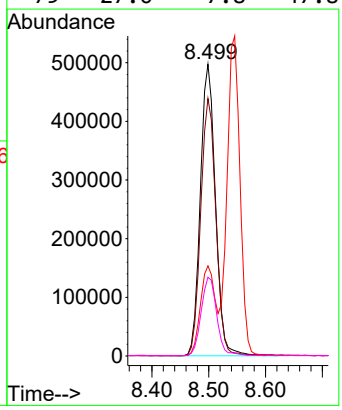


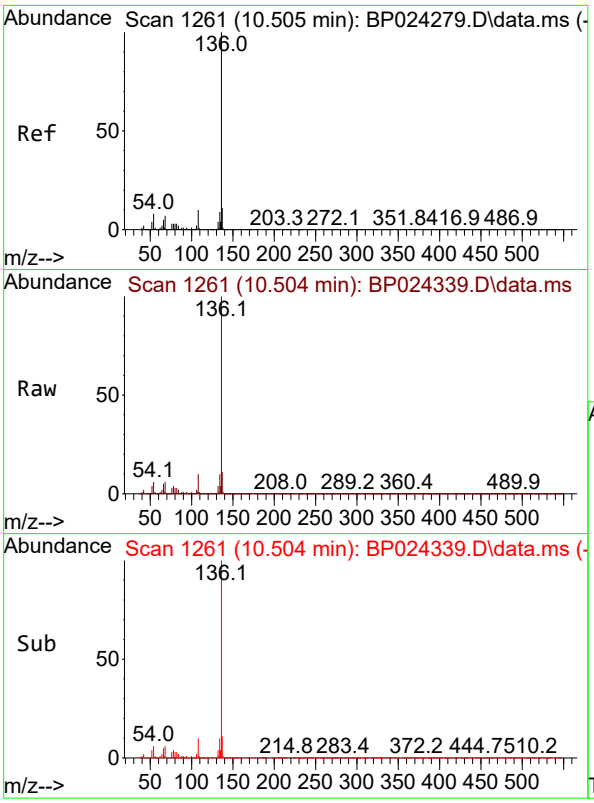


#20
3+4-Methylphenols
Concen: 45.550 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:107 Resp: 917423

Ion	Ratio	Lower	Upper
107	100		
108	88.3	69.8	109.8
77	30.9	11.5	51.5
79	27.0	7.8	47.8



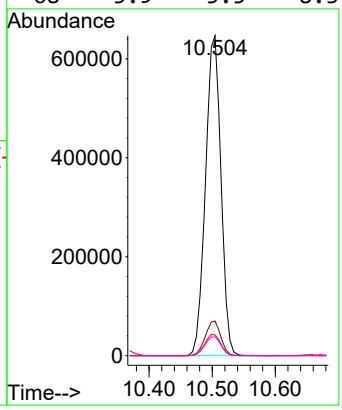


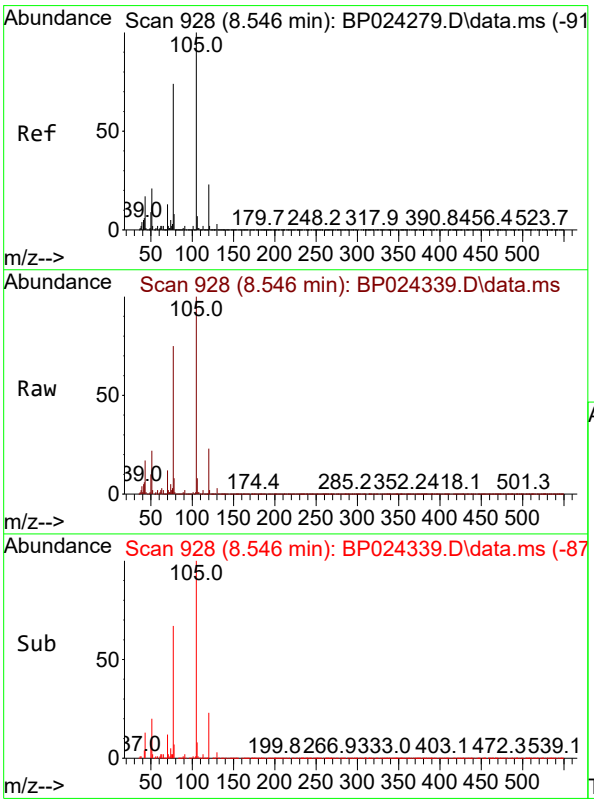
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:136 Resp: 1100496

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	6.5	6.0	9.0
68	5.9	5.5	8.3

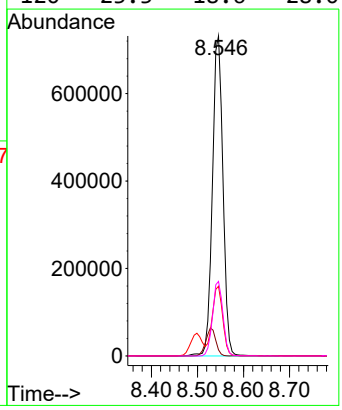


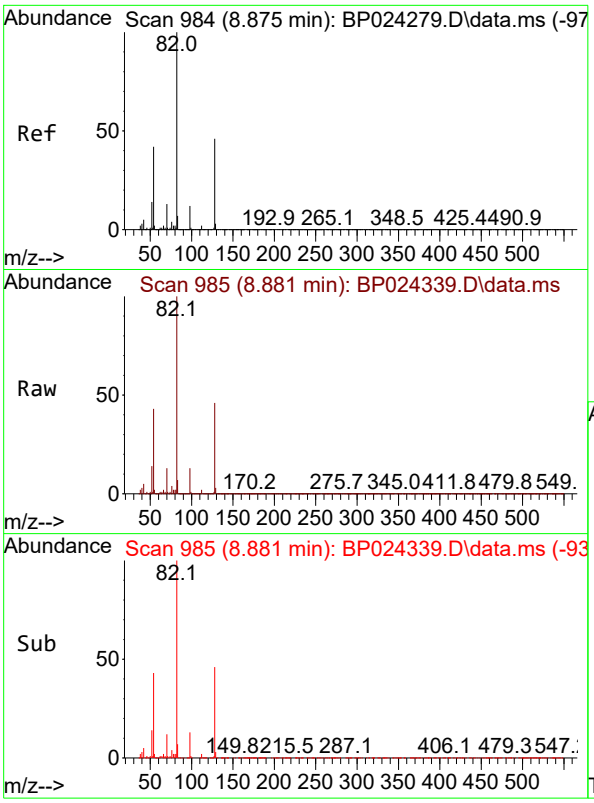


#22
Acetophenone
Concen: 42.657 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:105 Resp: 1161884

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	21.8	16.9	25.3
120	23.3	18.6	28.0



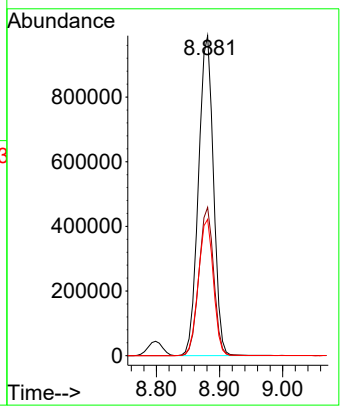


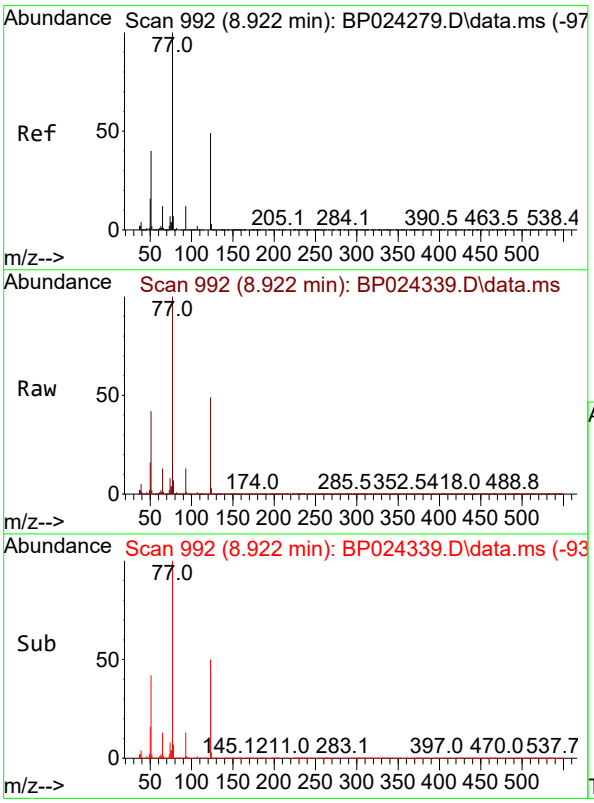
#23
Nitrobenzene-d5
Concen: 84.263 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 82 Resp: 1626249

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.5	54.7
54	42.6	33.4	50.2

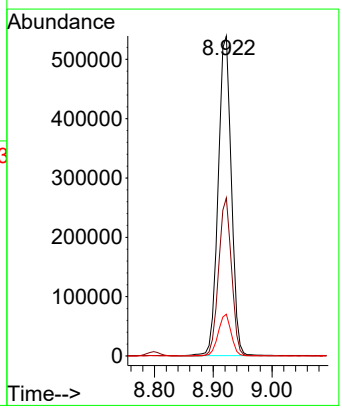


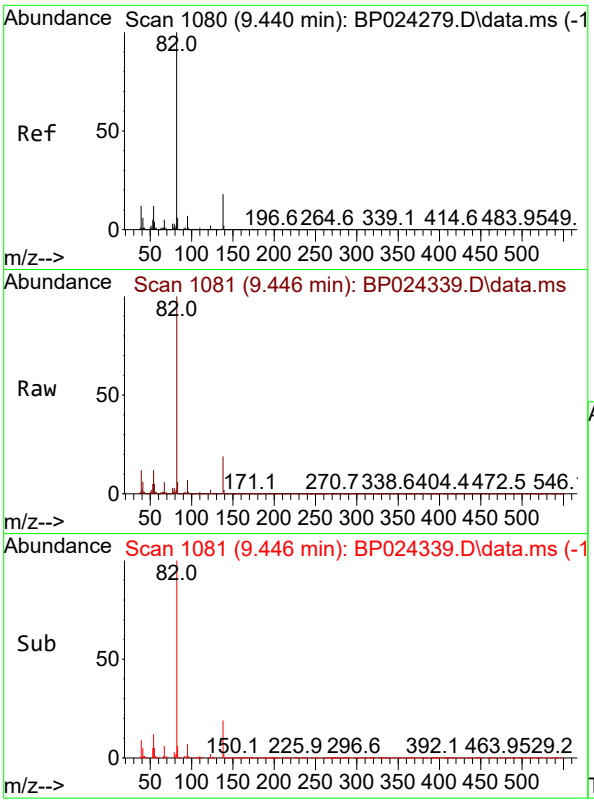


#24
Nitrobenzene
Concen: 43.721 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.012 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion: 77 Resp: 834746

Ion	Ratio	Lower	Upper
77	100		
123	49.4	39.2	58.8
65	13.0	9.8	14.6



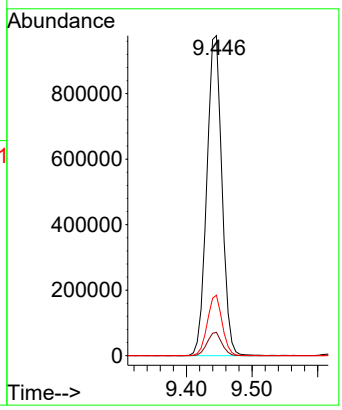


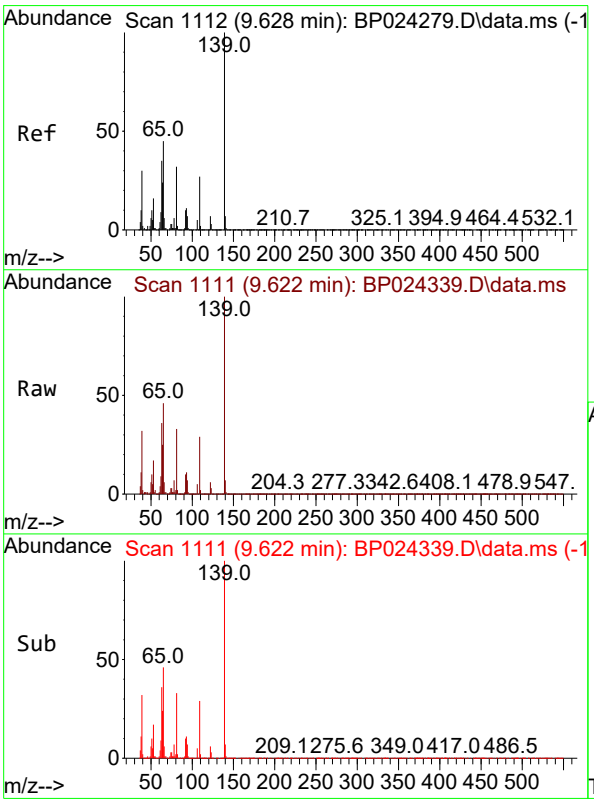
#25
Isophorone
Concen: 44.929 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 82 Resp: 1569529

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.4	8.2
138	18.9	14.4	21.6

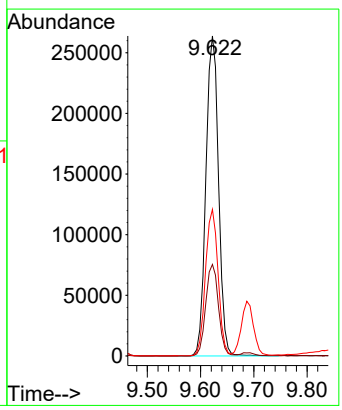


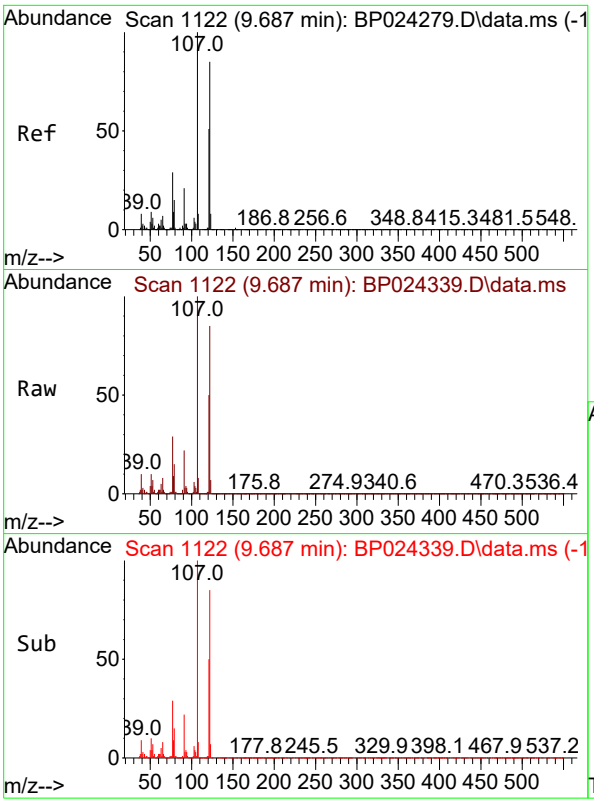


#26
2-Nitrophenol
Concen: 46.432 ng
RT: 9.622 min Scan# 1111
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:139 Resp: 433832

Ion	Ratio	Lower	Upper
139	100		
109	28.6	21.8	32.6
65	45.8	36.2	54.2



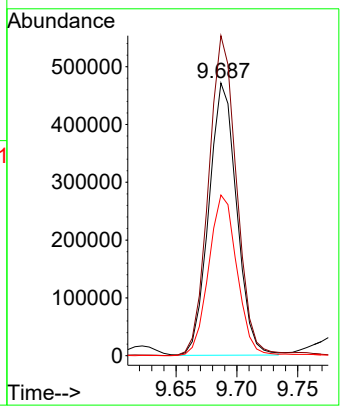


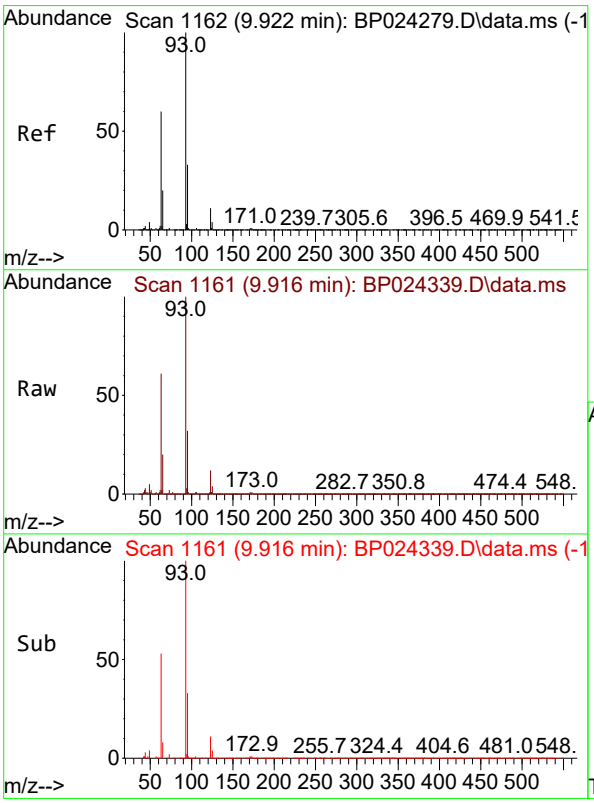
#27
2,4-Dimethylphenol
Concen: 63.782 ng
RT: 9.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:122 Resp: 748273

Ion	Ratio	Lower	Upper
122	100		
107	117.3	93.7	140.5
121	58.9	48.2	72.2

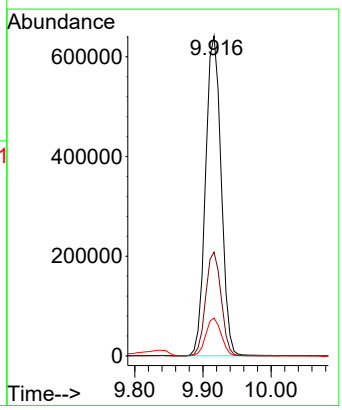


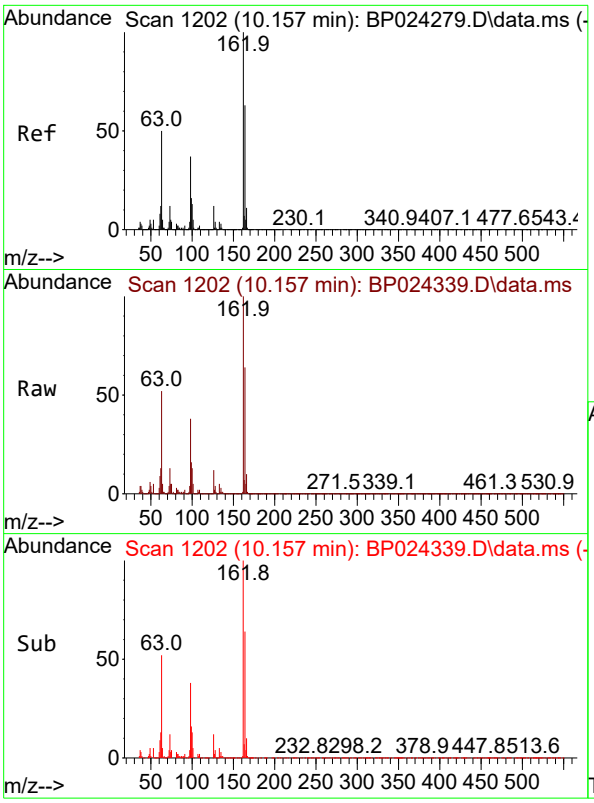


#28
bis(2-Chloroethoxy)methane
Concen: 43.303 ng
RT: 9.916 min Scan# 1161
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion: 93 Resp: 1021916

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.9	9.1	13.7



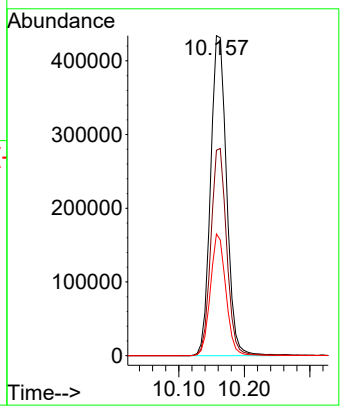


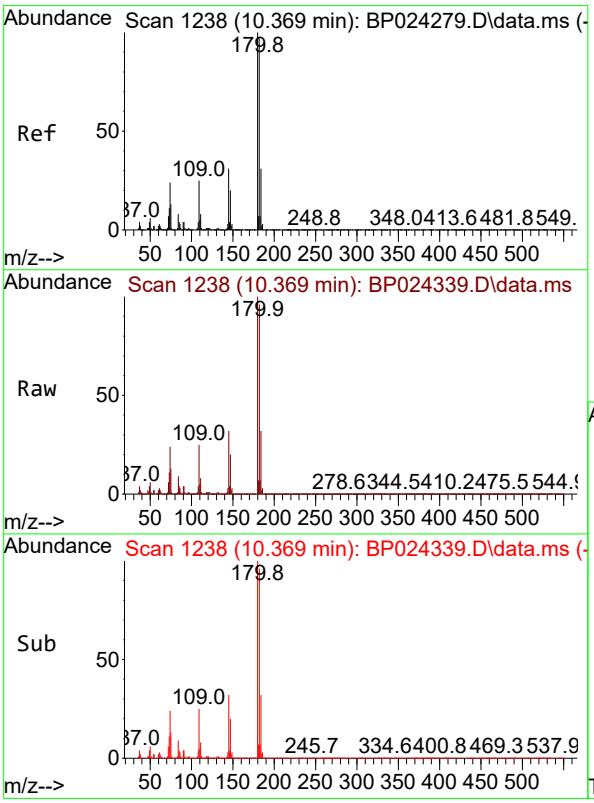
#29
2,4-Dichlorophenol
Concen: 46.016 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:162 Resp: 736083

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.3	83.3
98	38.1	16.6	56.6

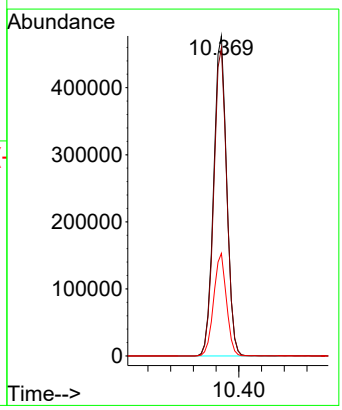


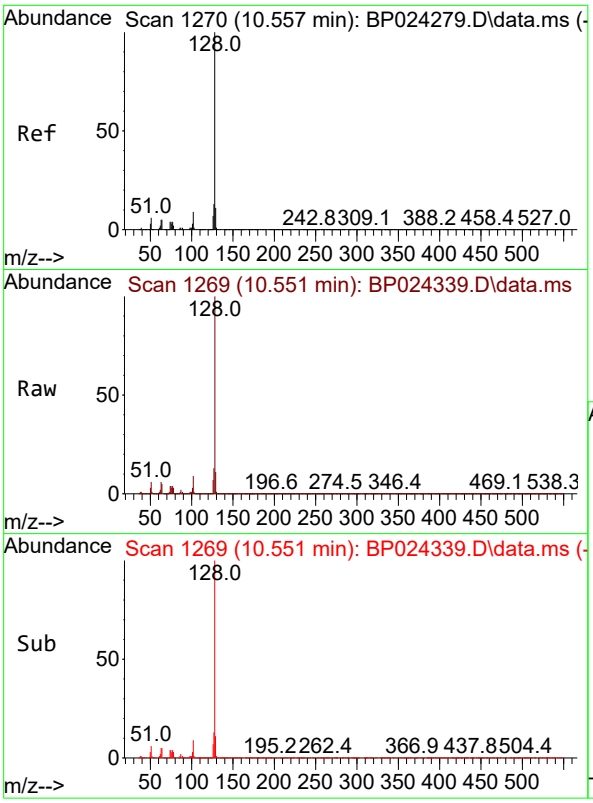


#30
1,2,4-Trichlorobenzene
Concen: 43.982 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:180 Resp: 753794

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.3	115.9
145	32.1	25.1	37.7



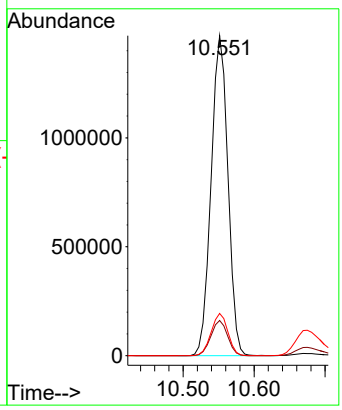


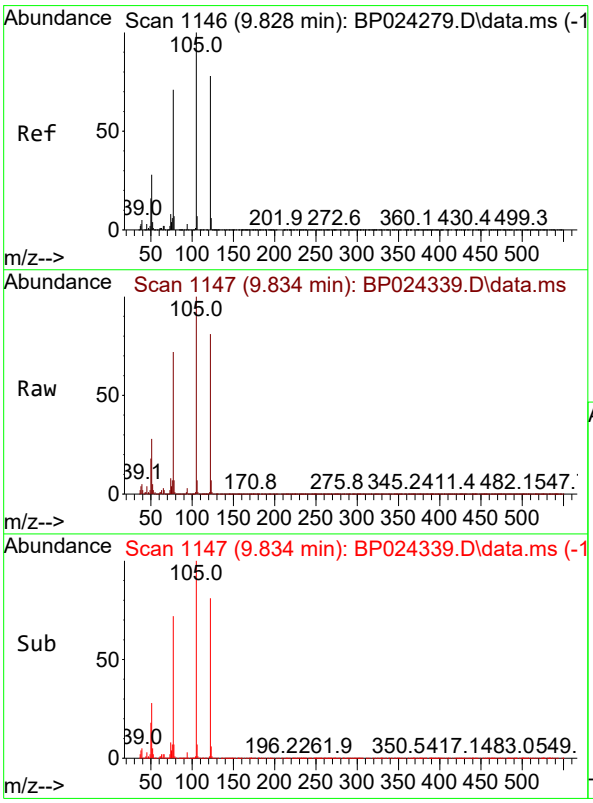
#31
Naphthalene
Concen: 41.628 ng
RT: 10.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:128 Resp: 2413153

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.3	15.5

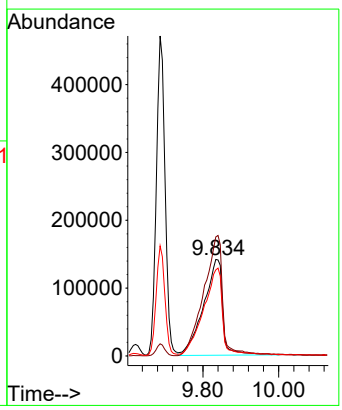


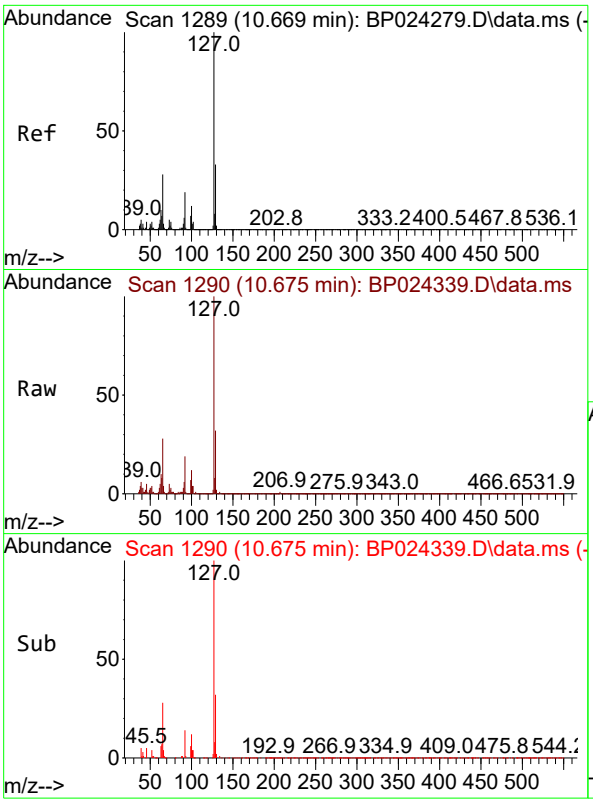


#32
Benzoic acid
Concen: 36.361 ng
RT: 9.834 min Scan# 1147
Delta R.T. 0.012 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:122 Resp: 497059

Ion	Ratio	Lower	Upper
122	100		
105	123.3	104.8	144.8
77	89.2	69.2	109.2



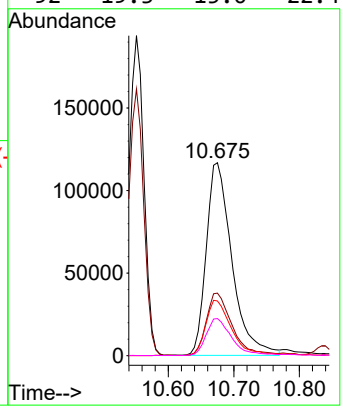


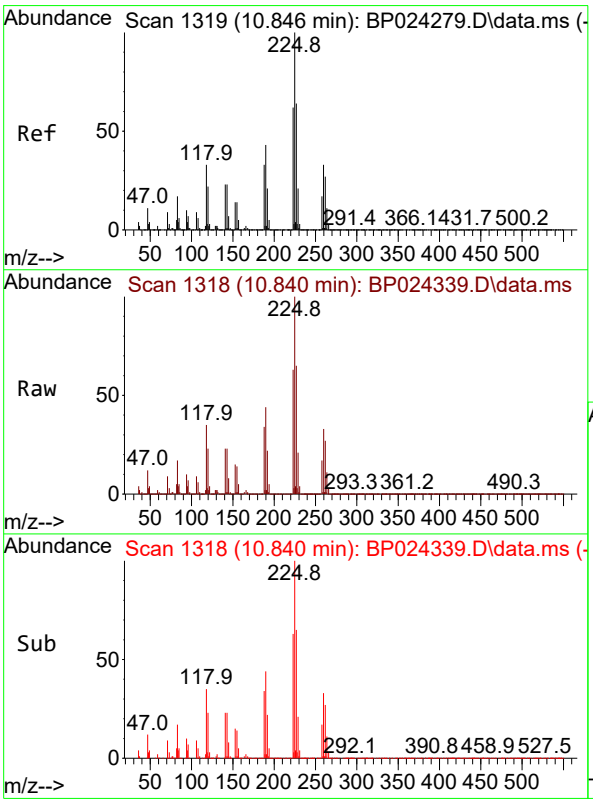
#33
4-Chloroaniline
Concen: 15.578 ng
RT: 10.675 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:127 Resp: 318013

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	28.3	22.1	33.1
92	19.3	15.0	22.4

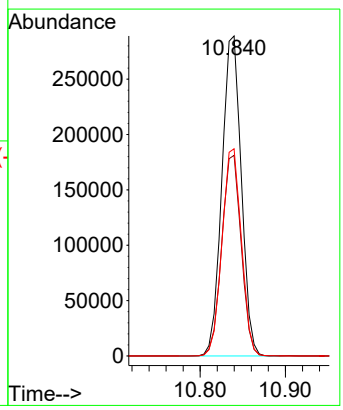


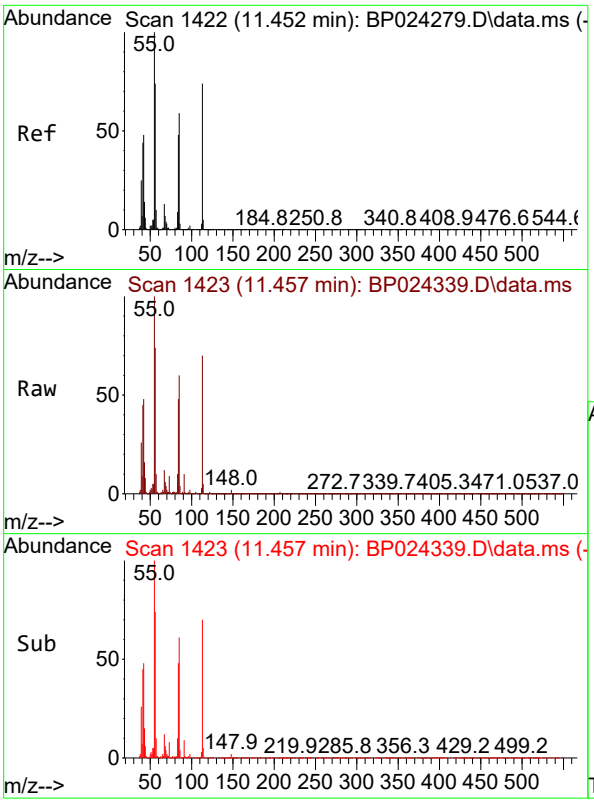


#34
Hexachlorobutadiene
Concen: 45.350 ng
RT: 10.840 min Scan# 1318
Delta R.T. 0.012 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:225 Resp: 456730

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.5	74.3
227	64.7	50.9	76.3



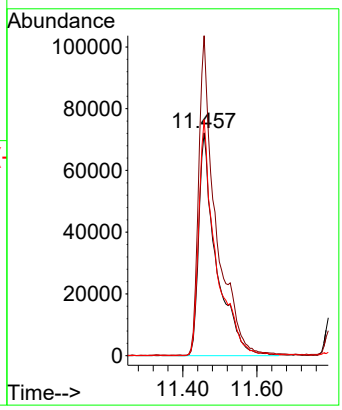


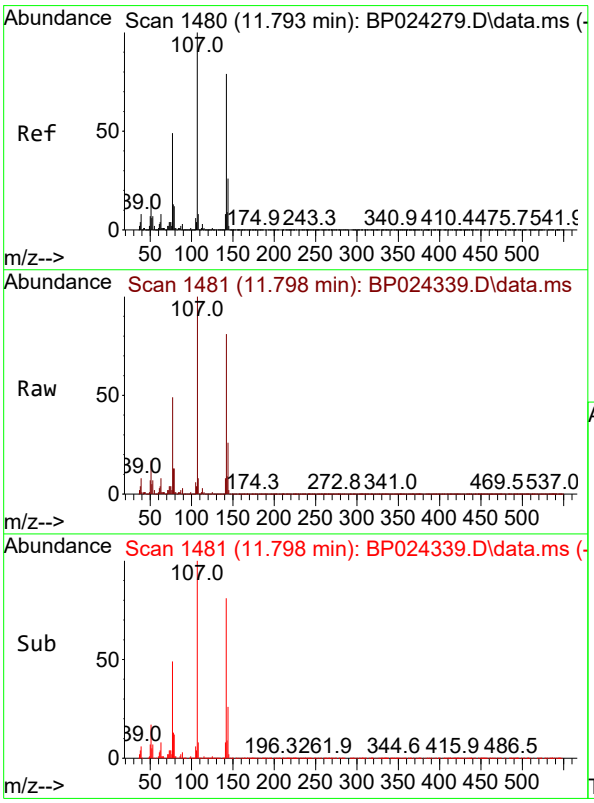
#35
Caprolactam
Concen: 39.963 ng
RT: 11.457 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:113 Resp: 235875

Ion	Ratio	Lower	Upper
113	100		
55	143.6	115.9	155.9
56	105.9	81.1	121.1

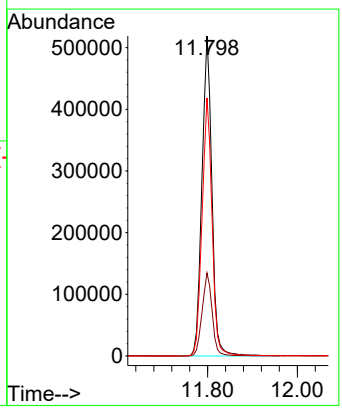


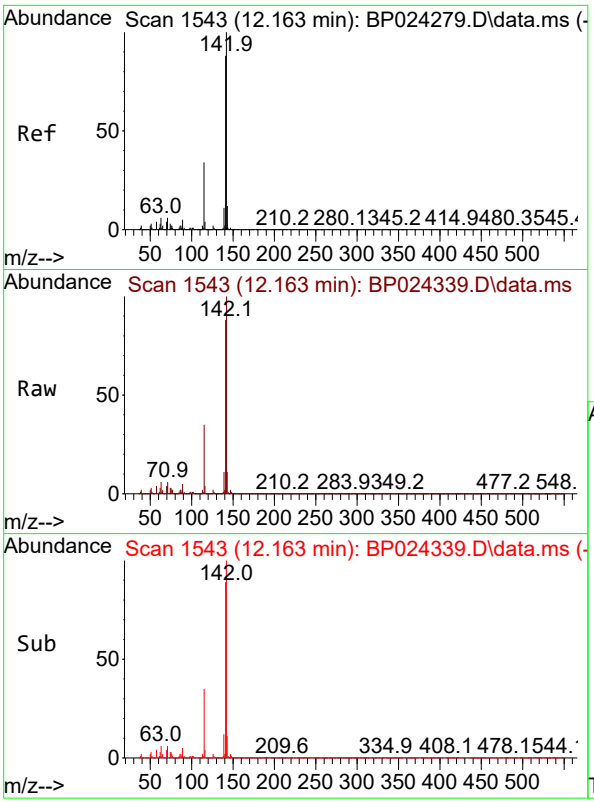


#36
4-Chloro-3-methylphenol
Concen: 42.957 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:107 Resp: 800377

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	80.7	63.4	95.2



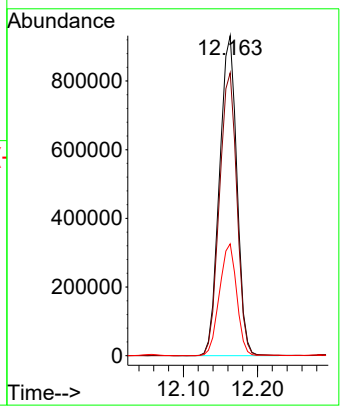


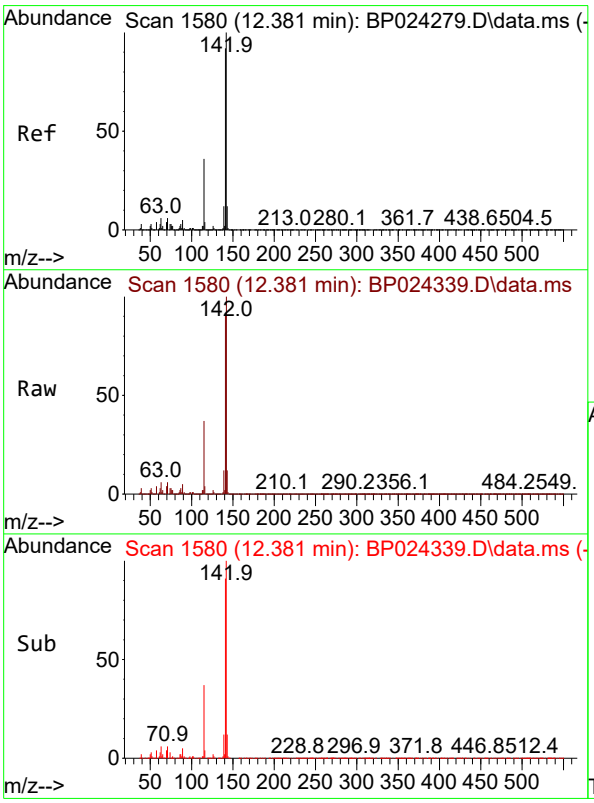
#37
2-Methylnaphthalene
Concen: 37.726 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:142 Resp: 1516705

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.9	26.9	40.3

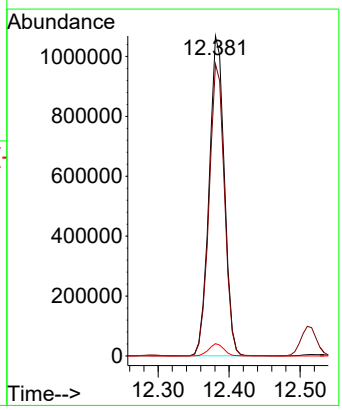


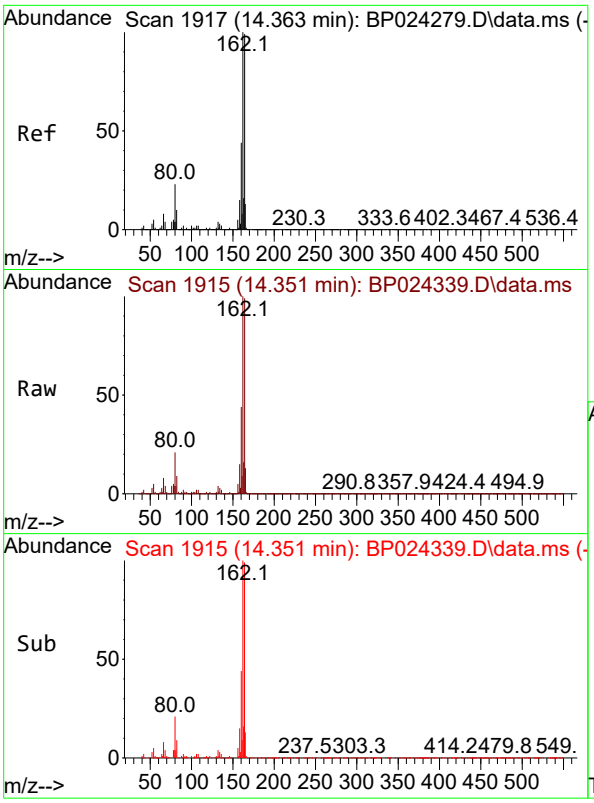


#38
1-Methylnaphthalene
Concen: 40.564 ng
RT: 12.381 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:142 Resp: 1595366

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.6	110.4
116	3.9	3.0	4.6



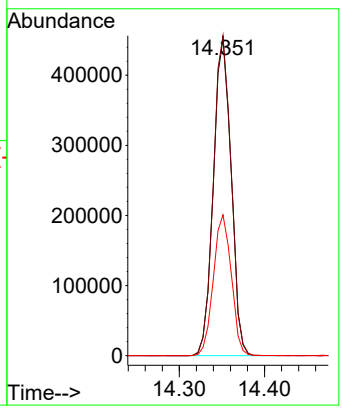


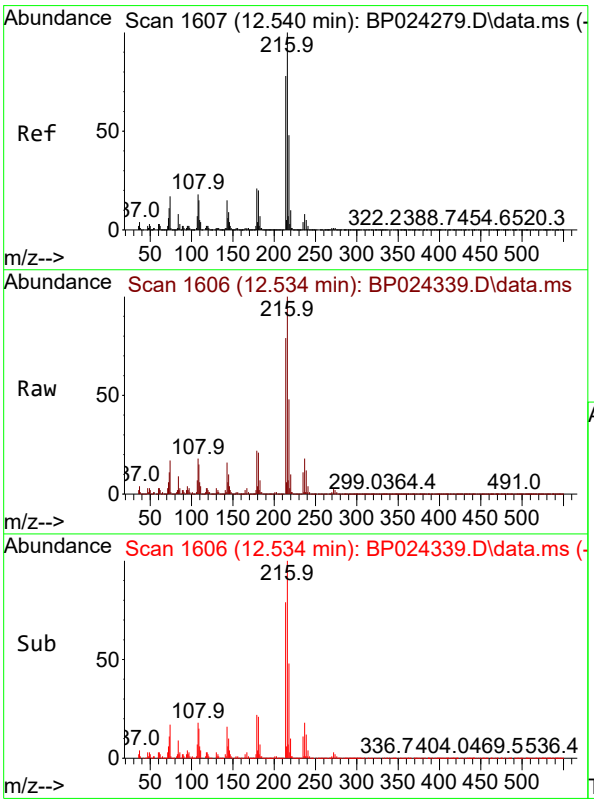
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:164 Resp: 654722

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	44.5	35.3	52.9

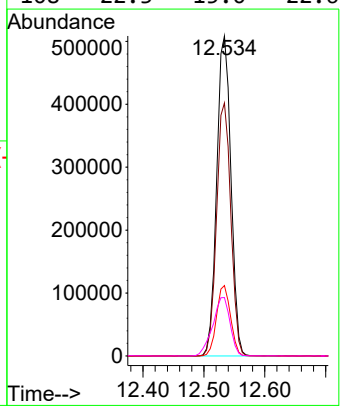


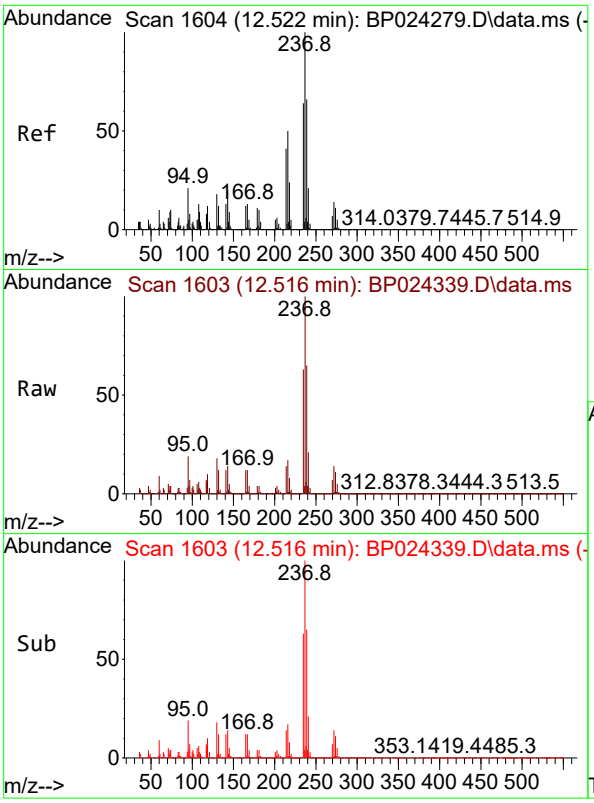


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.706 ng
RT: 12.534 min Scan# 1606
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:216 Resp: 822938

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.6	93.8
179	21.7	17.2	25.8
108	22.3	15.0	22.6



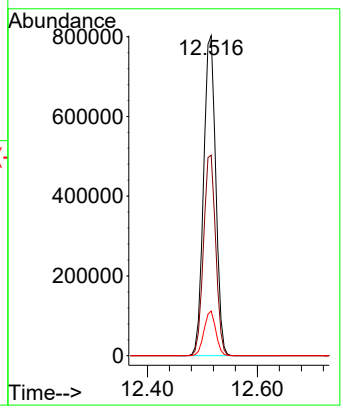


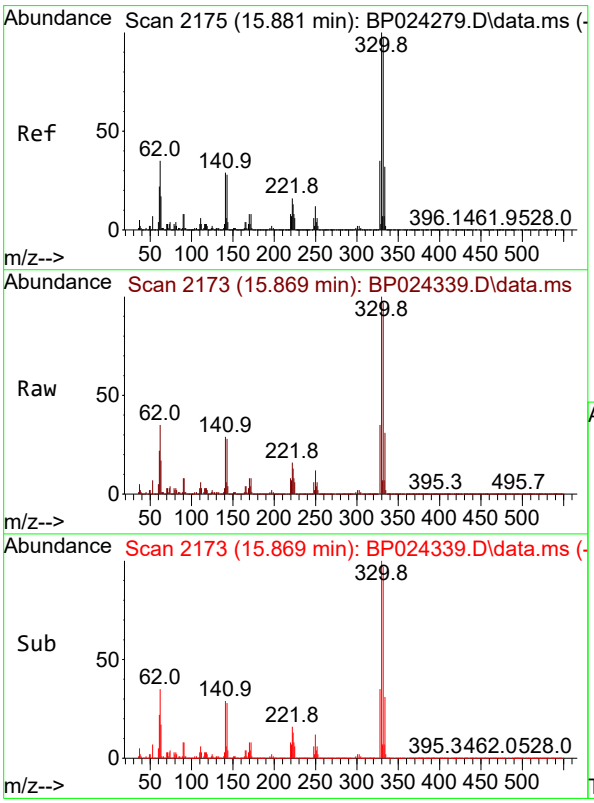
#41
Hexachlorocyclopentadiene
Concen: 192.697 ng
RT: 12.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:237 Resp: 1227070

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.9	83.9
272	13.9	0.0	33.6

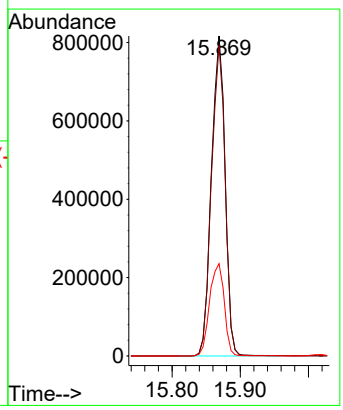


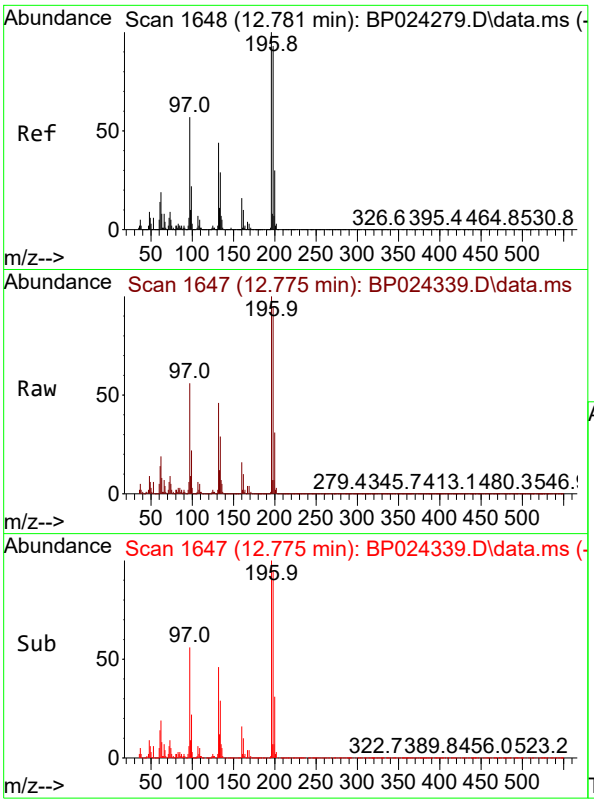


#42
2,4,6-Tribromophenol
Concen: 126.149 ng
RT: 15.869 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:330 Resp: 1142714

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	30.8	24.7	37.1



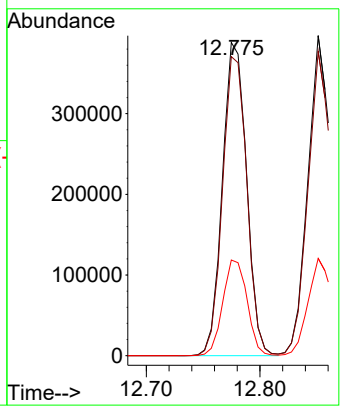


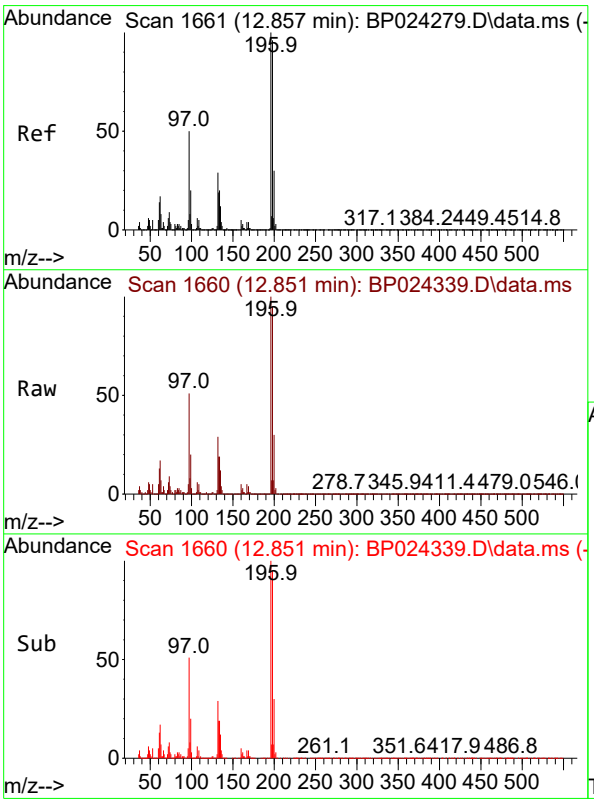
#43
2,4,6-Trichlorophenol
Concen: 48.012 ng
RT: 12.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:196 Resp: 574741

Ion	Ratio	Lower	Upper
196	100		
198	95.5	74.3	111.5
200	30.5	24.0	36.0

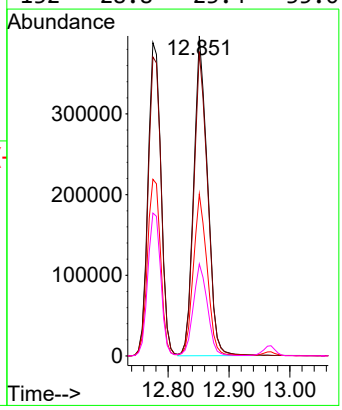


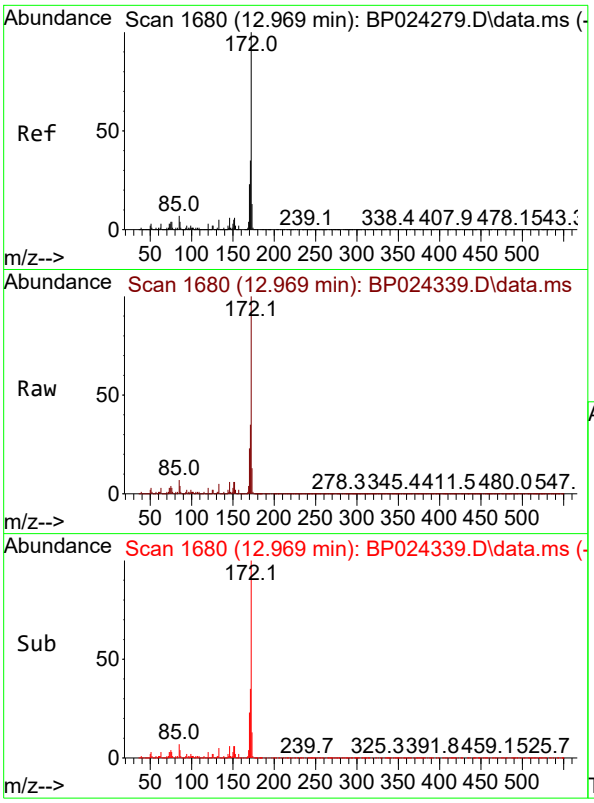


#44
2,4,5-Trichlorophenol
Concen: 47.026 ng
RT: 12.851 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:196 Resp: 623380

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.3	115.9
97	50.6	40.4	60.6
132	28.8	23.4	35.0



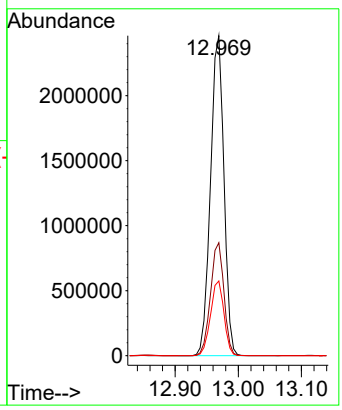


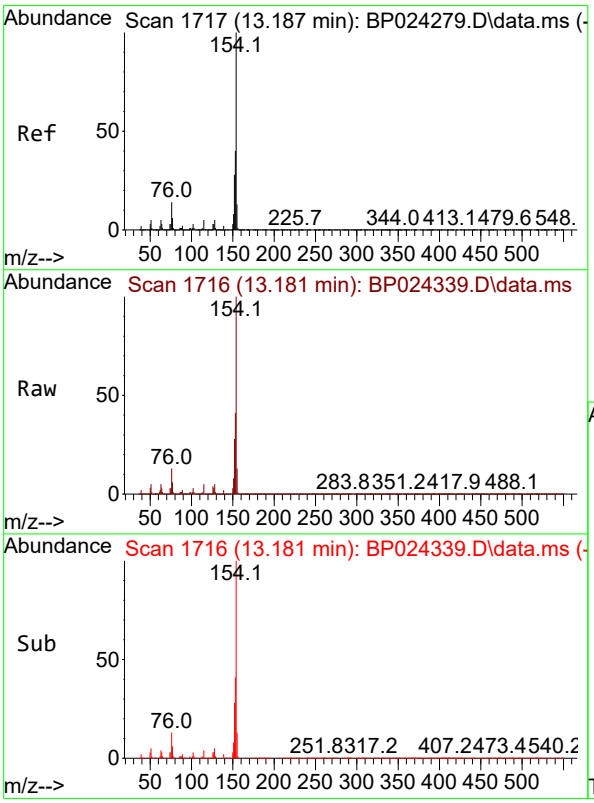
#45
2-Fluorobiphenyl
Concen: 84.893 ng
RT: 12.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:172 Resp: 3630113

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.4	18.6	27.8

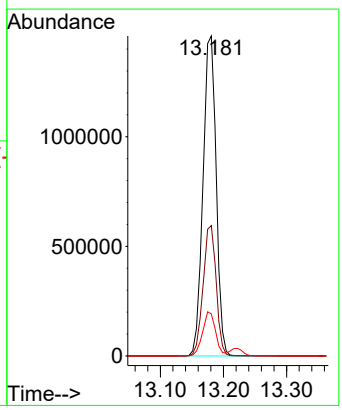


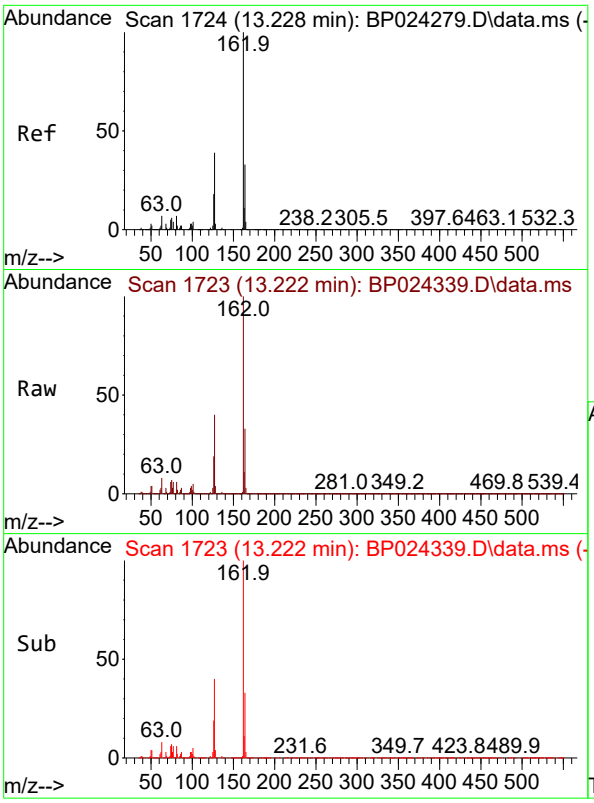


#46
1,1'-Biphenyl
Concen: 43.785 ng
RT: 13.181 min Scan# 1716
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:154 Resp: 2107178

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.3	60.3
76	13.1	0.0	33.5



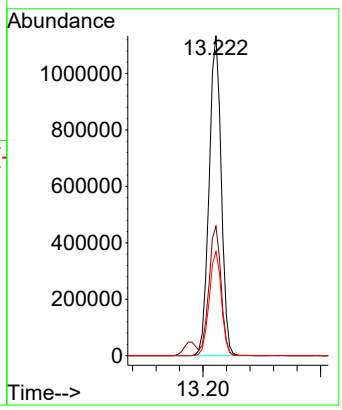


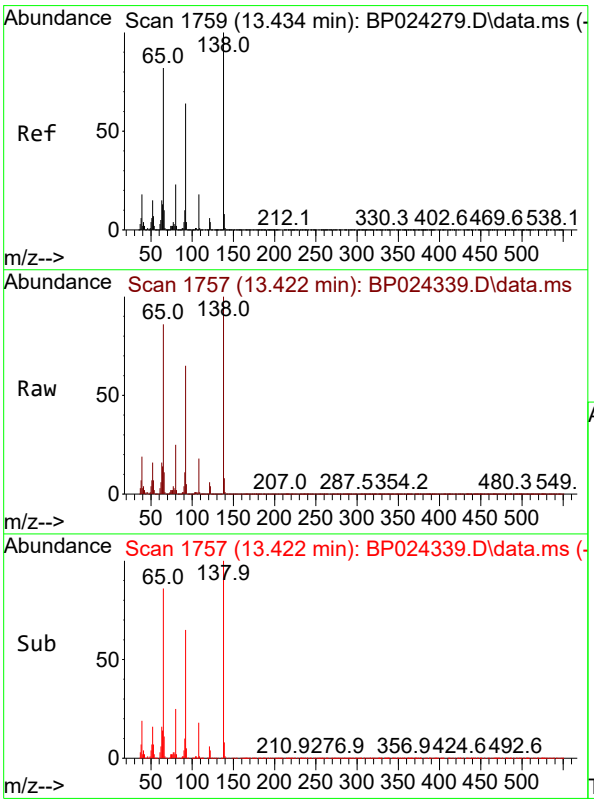
#47
2-Chloronaphthalene
Concen: 45.111 ng
RT: 13.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:162 Resp: 1622564

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.6	26.2	39.4

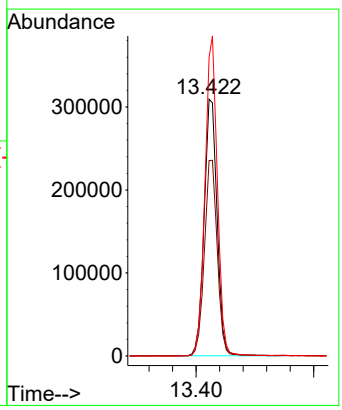


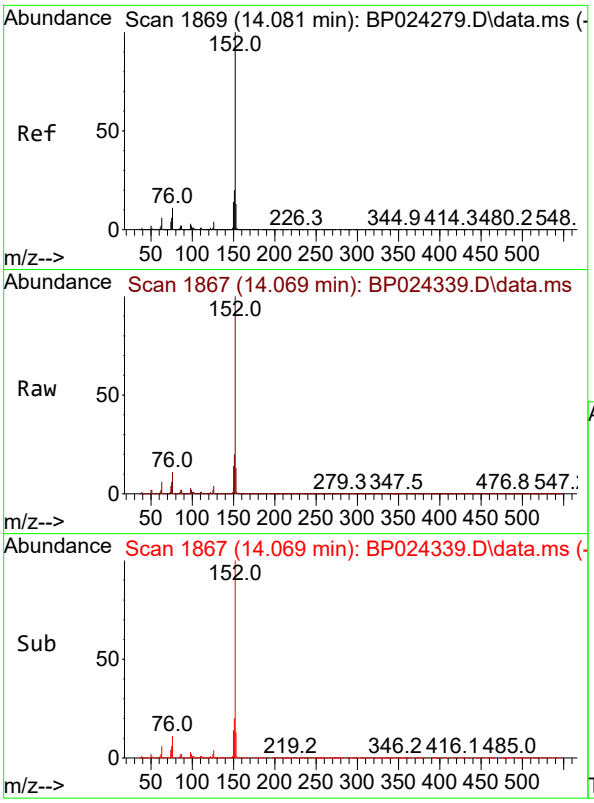


#48
2-Nitroaniline
Concen: 46.825 ng
RT: 13.422 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion: 65 Resp: 472428

Ion	Ratio	Lower	Upper
65	100		
92	76.1	62.3	93.5
138	116.2	97.2	145.8



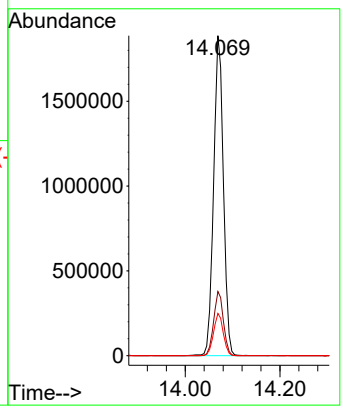


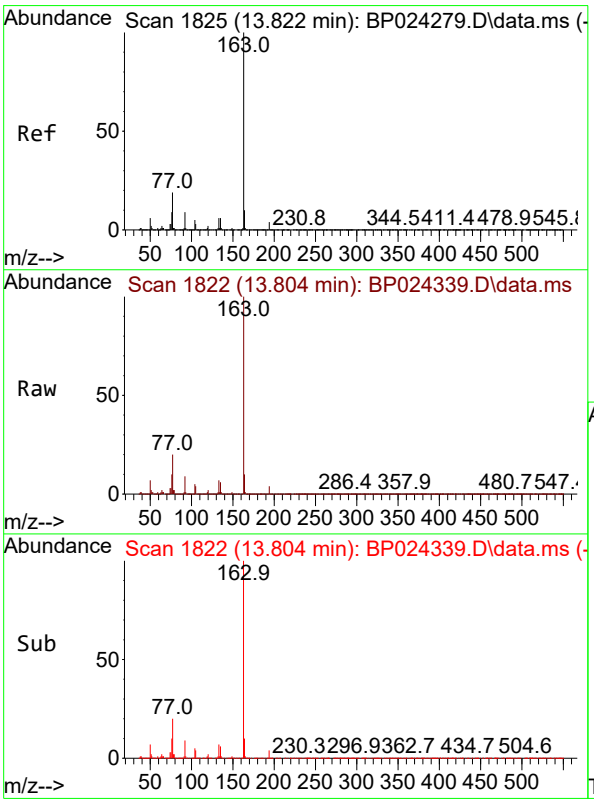
#49
Acenaphthylene
Concen: 47.491 ng
RT: 14.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:152 Resp: 2689385

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.2	10.6	15.8

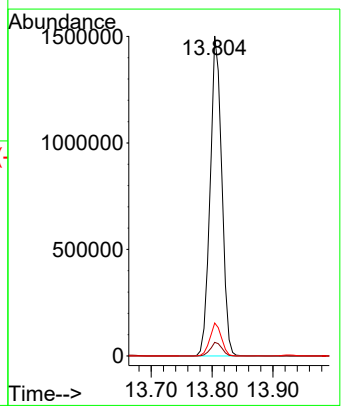


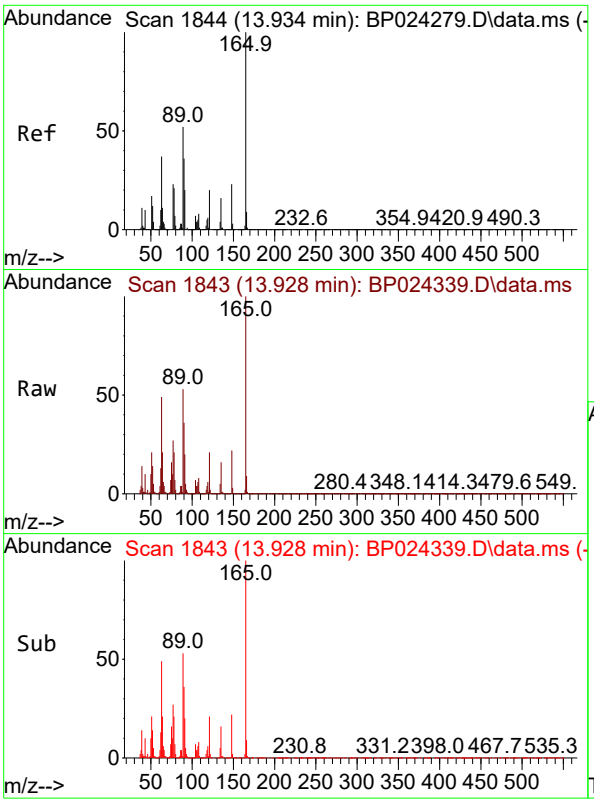


#50
Dimethylphthalate
Concen: 41.885 ng
RT: 13.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:163 Resp: 1994238

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.3	8.0	12.0



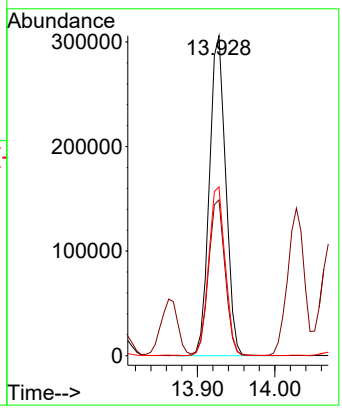


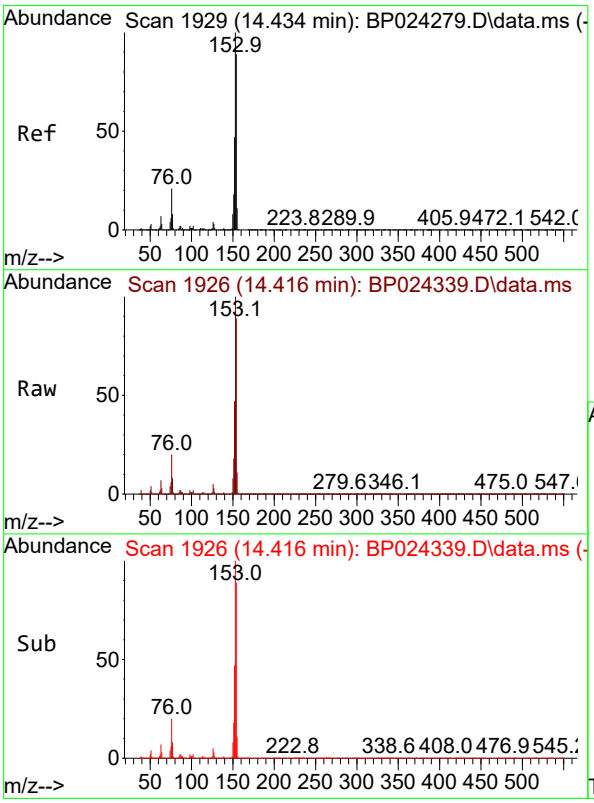
#51
2,6-Dinitrotoluene
Concen: 44.190 ng
RT: 13.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:165 Resp: 446783

Ion	Ratio	Lower	Upper
165	100		
63	48.7	38.0	57.0
89	52.7	41.7	62.5

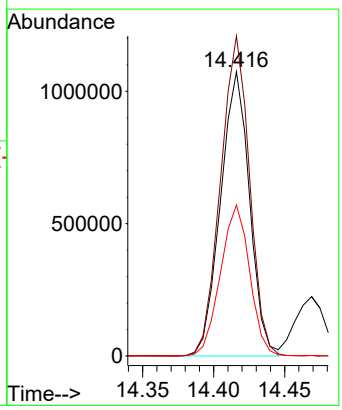


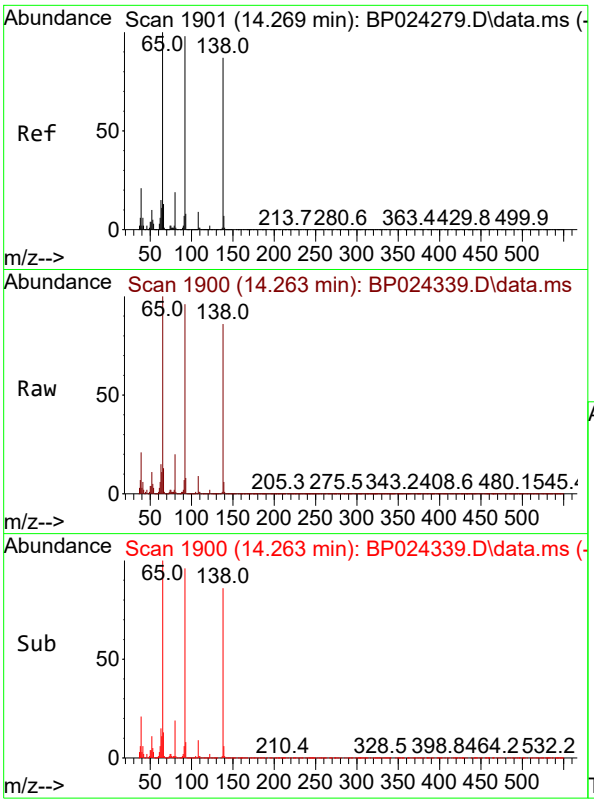


#52
Acenaphthene
Concen: 42.495 ng
RT: 14.416 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:154 Resp: 1525613

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.8	134.6
152	53.2	42.6	63.8



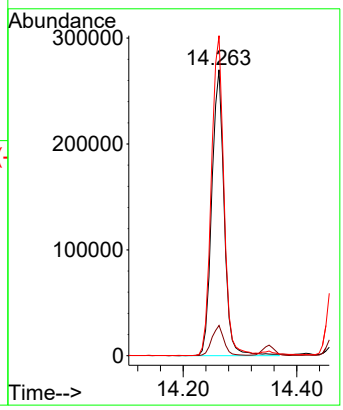


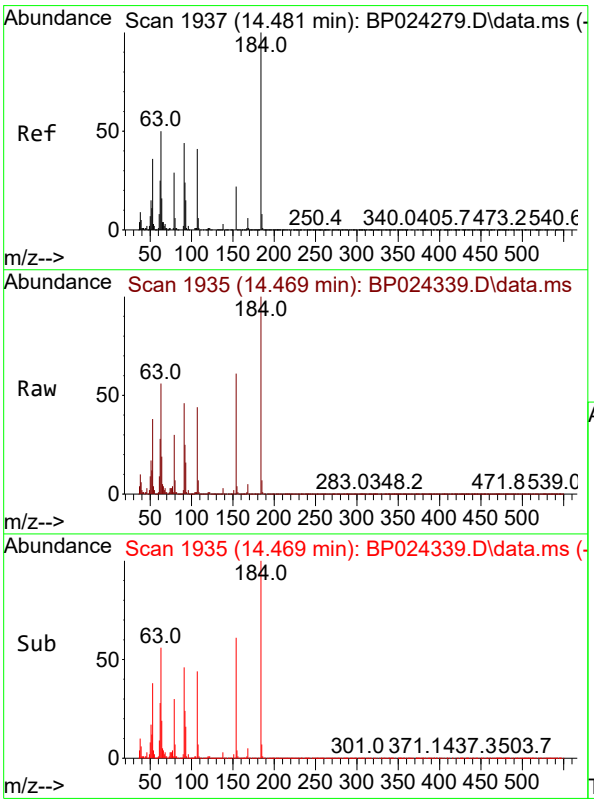
#53
3-Nitroaniline
Concen: 38.315 ng
RT: 14.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:138 Resp: 407138

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.3	12.5
92	111.9	89.8	134.8

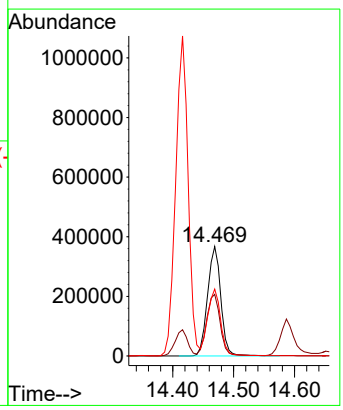


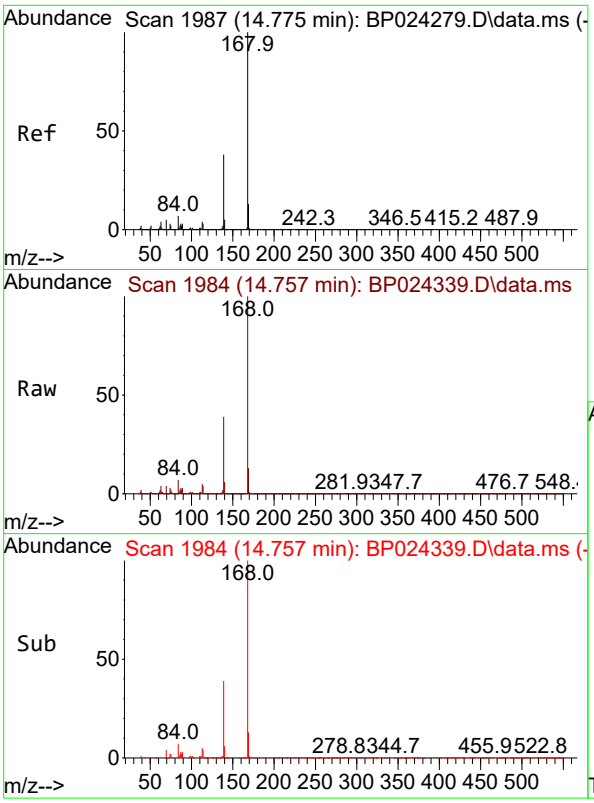


#54
2,4-Dinitrophenol
Concen: 93.387 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:184 Resp: 556165

Ion	Ratio	Lower	Upper
184	100		
63	56.2	42.6	64.0
154	61.1	47.2	70.8



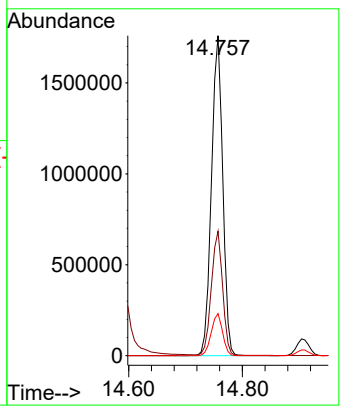


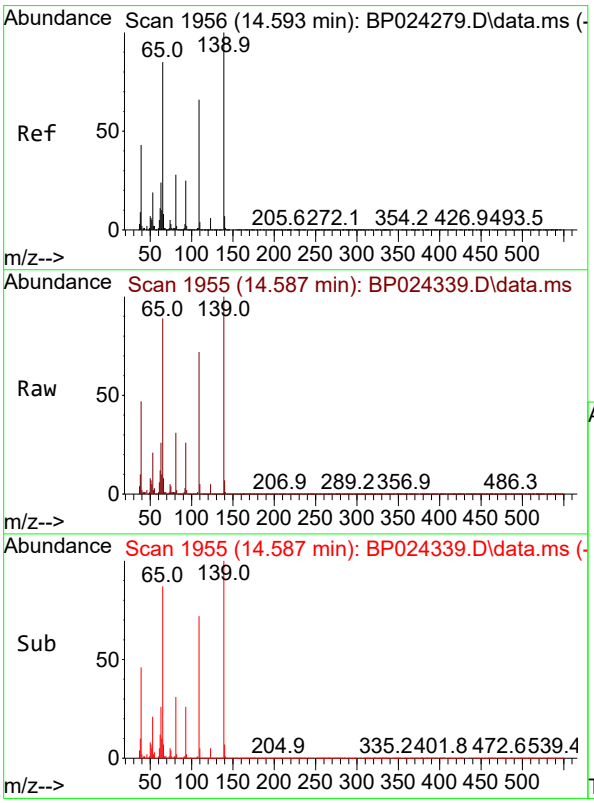
#55
Dibenzofuran
Concen: 41.077 ng
RT: 14.757 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:168 Resp: 2410517

Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.3	45.5
169	13.1	10.6	16.0

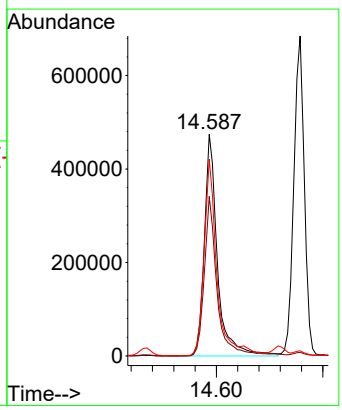


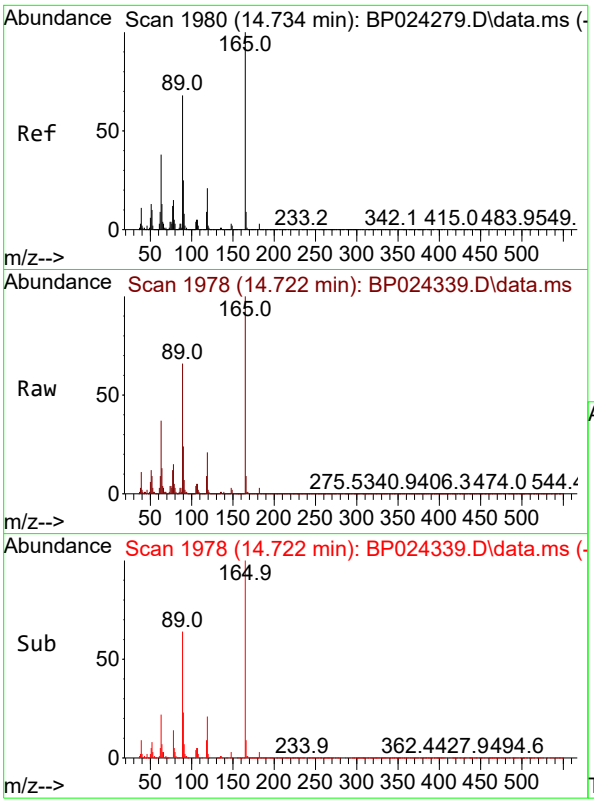


#56
4-Nitrophenol
Concen: 88.632 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:139 Resp: 813407

Ion	Ratio	Lower	Upper
139	100		
109	71.9	46.1	86.1
65	88.7	65.0	105.0



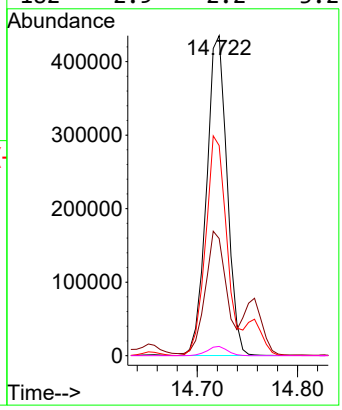


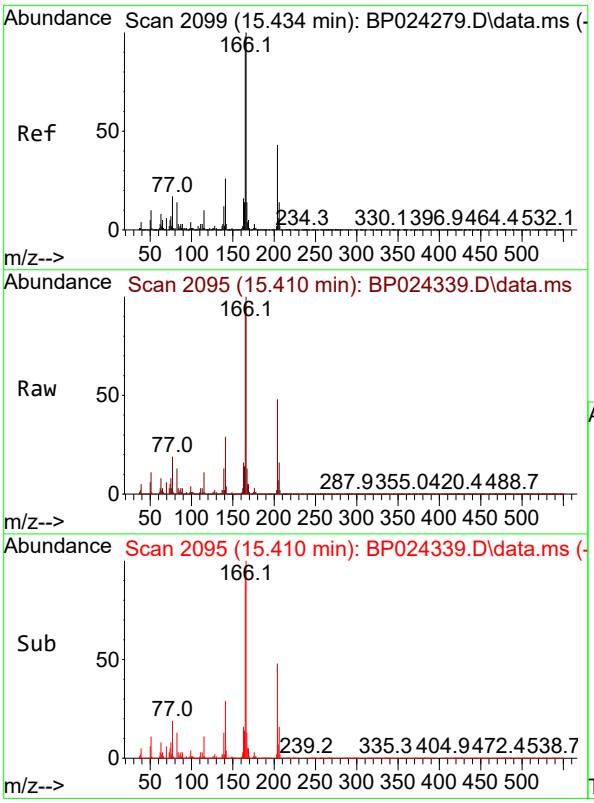
#57
2,4-Dinitrotoluene
Concen: 44.838 ng
RT: 14.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:165 Resp: 618401

Ion	Ratio	Lower	Upper
165	100		
63	36.6	30.4	45.6
89	65.7	54.6	82.0
182	2.9	2.2	3.2

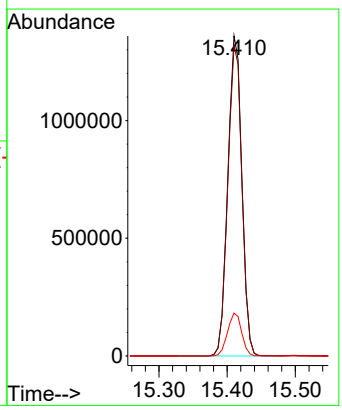


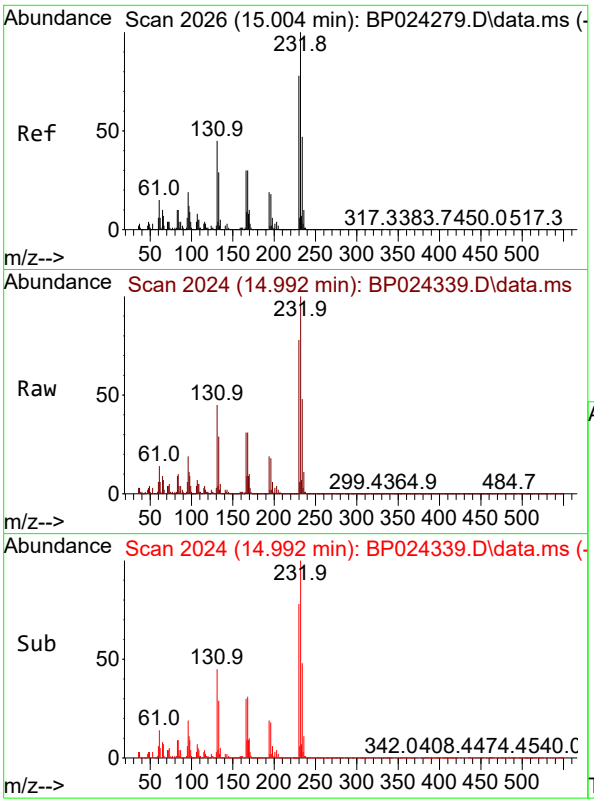


#58
Fluorene
Concen: 42.779 ng
RT: 15.410 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:166 Resp: 1943368

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.1	117.1
167	13.4	10.9	16.3



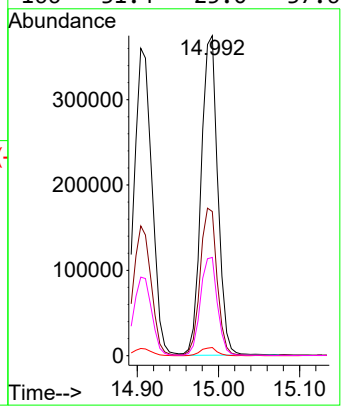


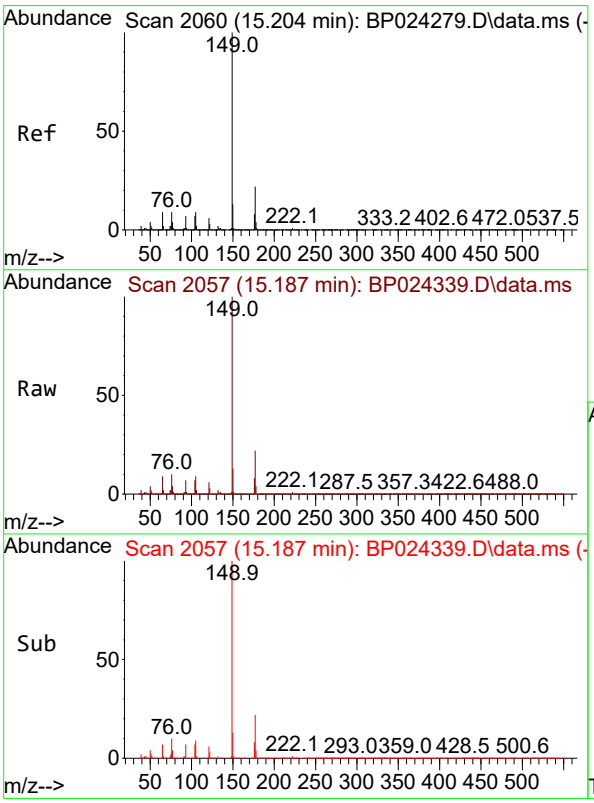
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.507 ng
RT: 14.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:232 Resp: 531925

Ion	Ratio	Lower	Upper
232	100		
131	46.6	36.8	55.2
130	2.5	1.9	2.9
166	31.4	25.0	37.6

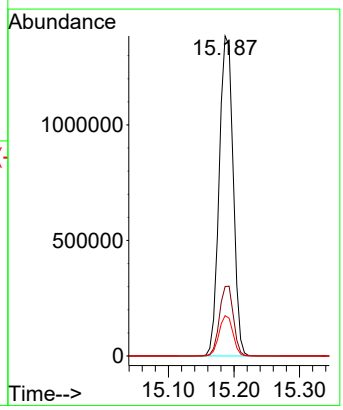


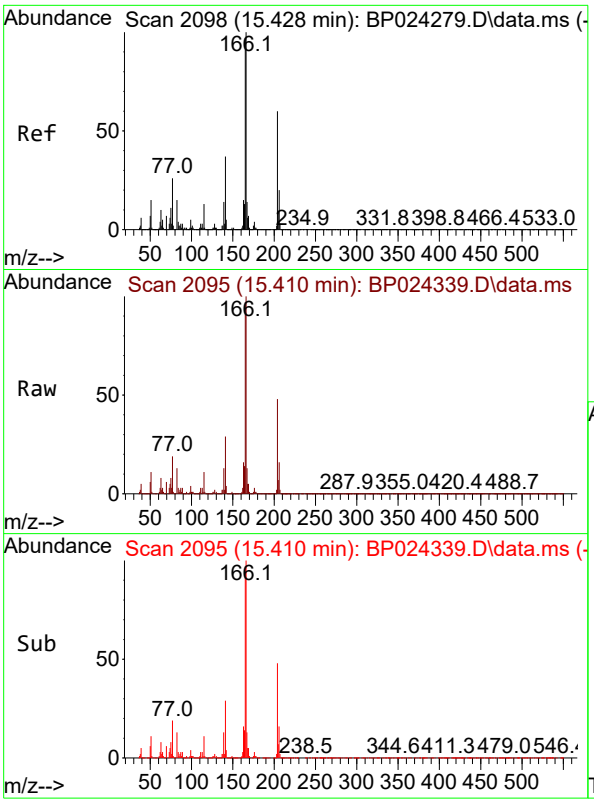


#60
Diethylphthalate
Concen: 41.504 ng
RT: 15.187 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:149 Resp: 2036418

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.4	26.2
150	12.6	10.1	15.1



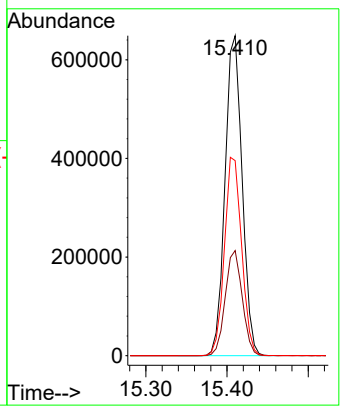


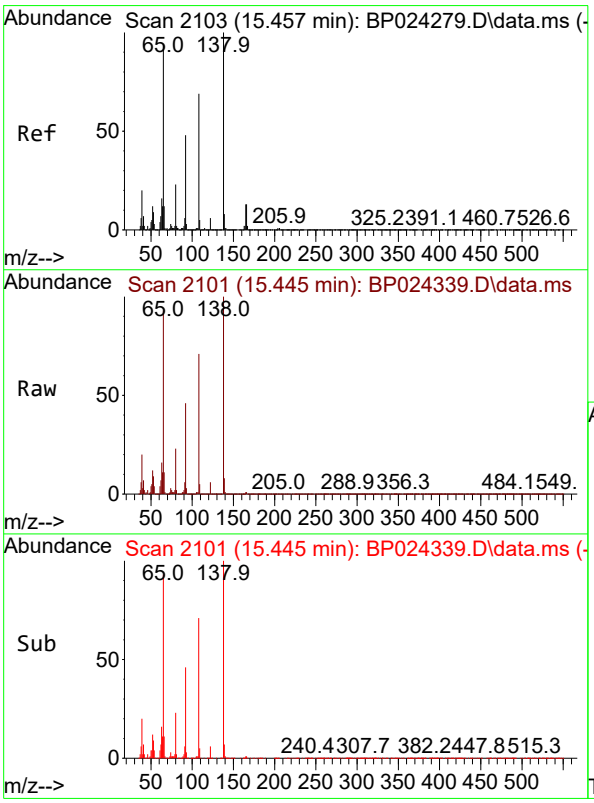
#61
4-Chlorophenyl-phenylether
Concen: 43.042 ng
RT: 15.410 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:204 Resp: 949520

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	61.0	49.4	74.0

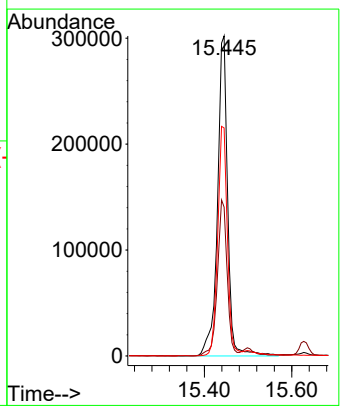


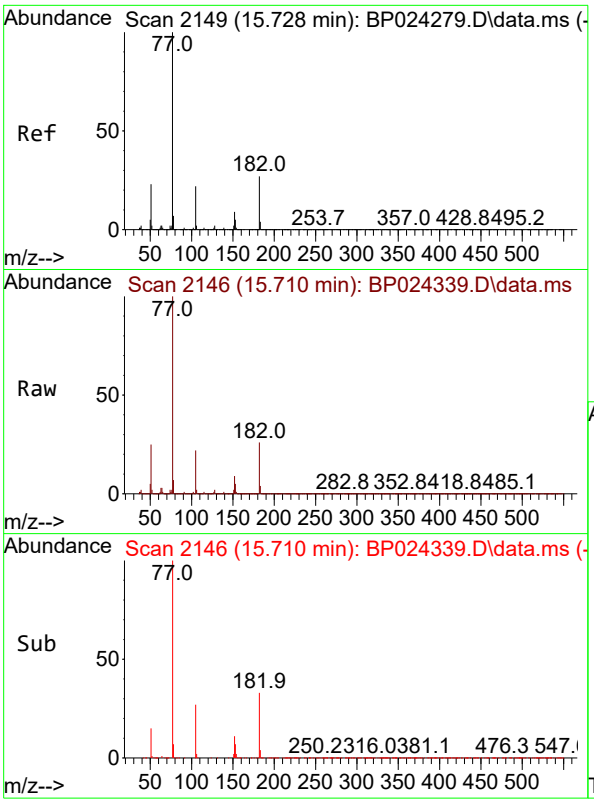


#62
4-Nitroaniline
Concen: 43.470 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:138 Resp: 488998

Ion	Ratio	Lower	Upper
138	100		
92	46.5	27.8	67.8
108	71.3	48.9	88.9



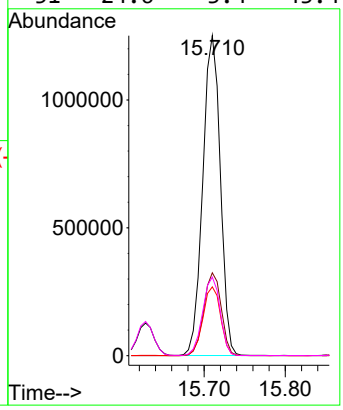


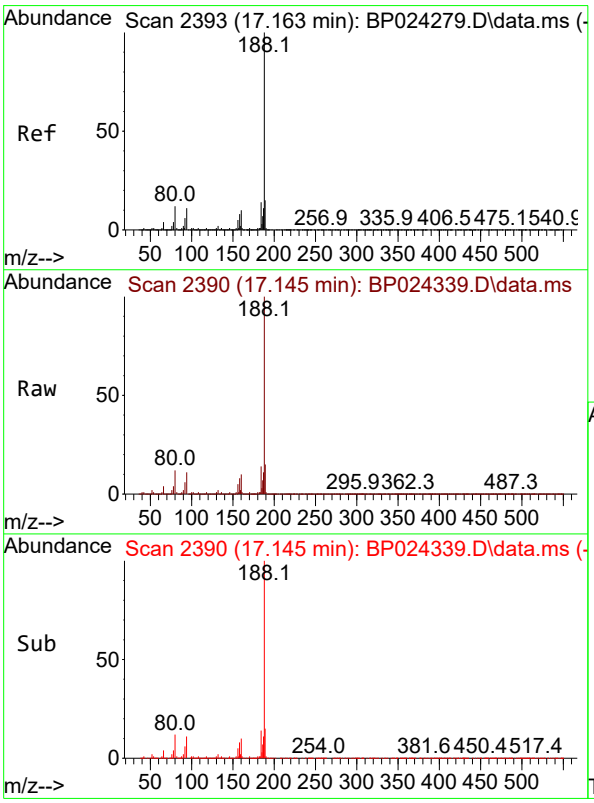
#63
Azobenzene
Concen: 41.550 ng
RT: 15.710 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion: 77 Resp: 1873779

Ion	Ratio	Lower	Upper
77	100		
182	25.9	7.3	47.3
105	21.5	2.3	42.3
51	24.6	3.4	43.4

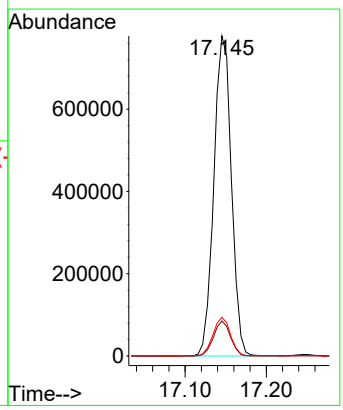


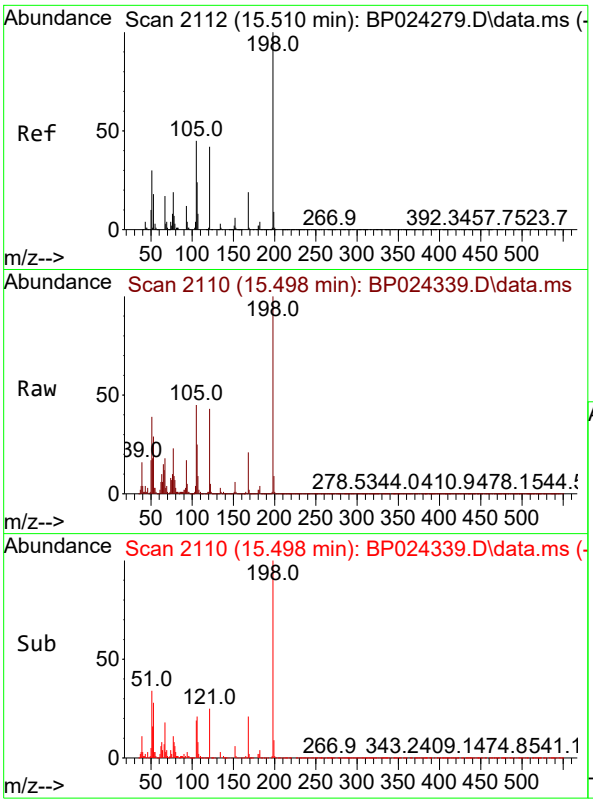


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2390
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:188 Resp: 1166735

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.1	9.8	14.6



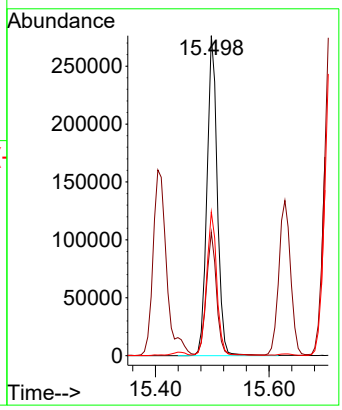


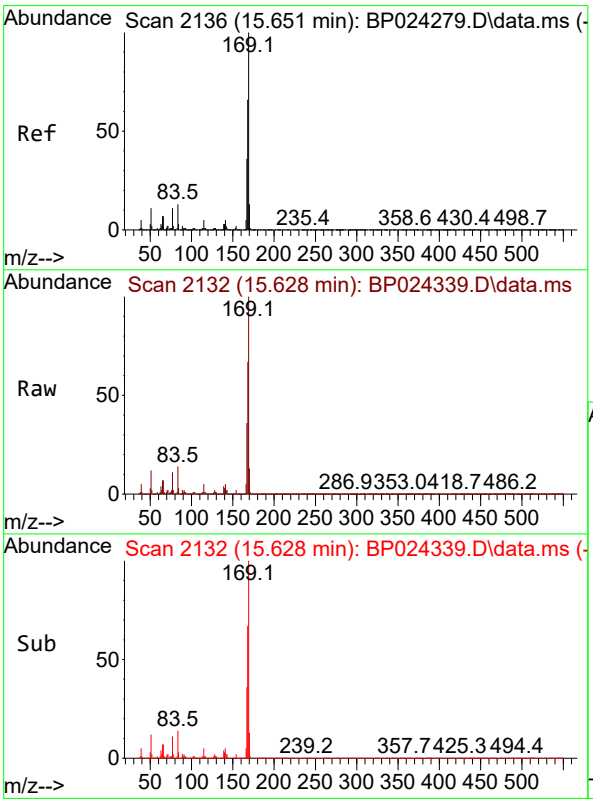
#65
4,6-Dinitro-2-methylphenol
Concen: 46.969 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:198 Resp: 345493

Ion	Ratio	Lower	Upper
198	100		
51	38.5	18.4	58.4
105	44.9	26.5	66.5

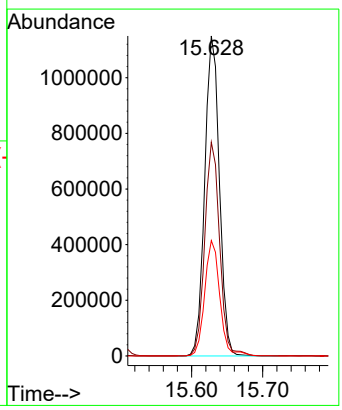


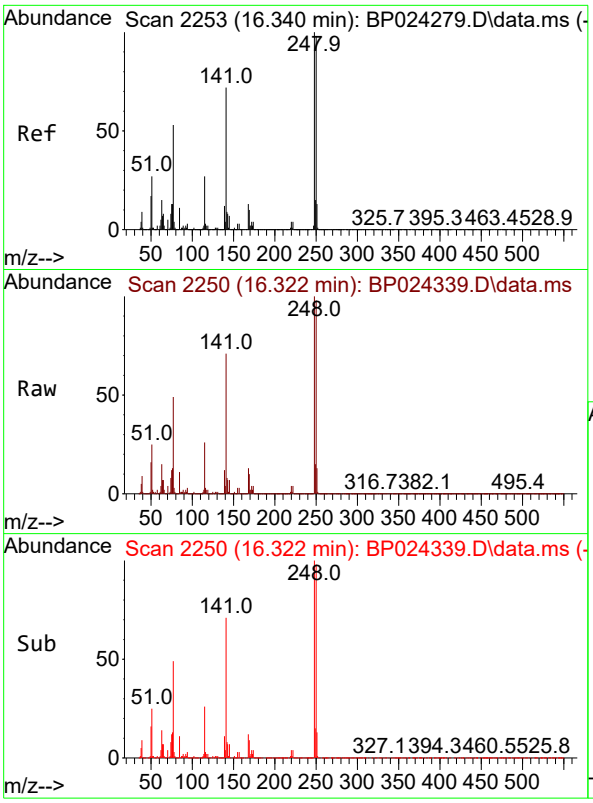


#66
n-Nitrosodiphenylamine
Concen: 47.448 ng
RT: 15.628 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:169 Resp: 1652360

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	36.1	28.9	43.3



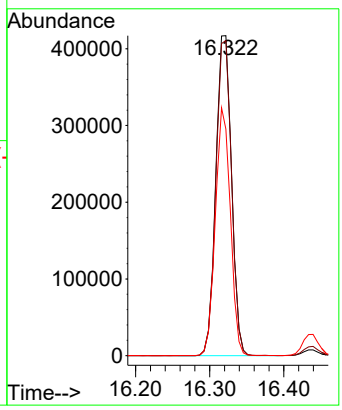


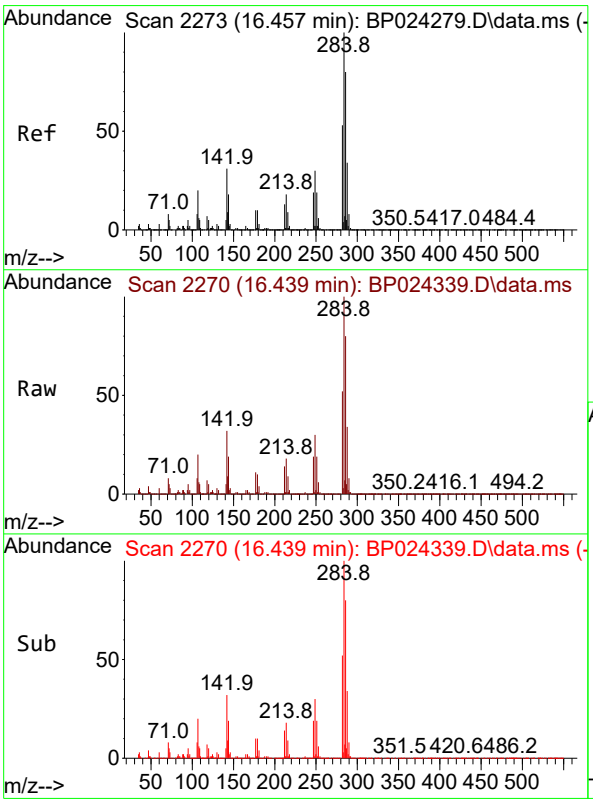
#67
4-Bromophenyl-phenylether
Concen: 48.066 ng
RT: 16.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:248 Resp: 613342

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.2	117.4
141	70.8	57.7	86.5

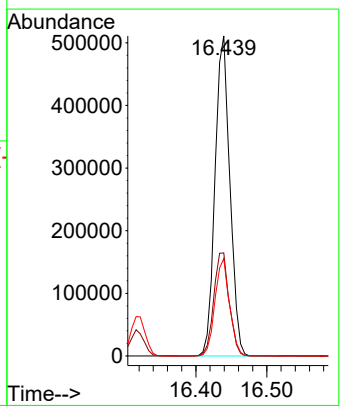


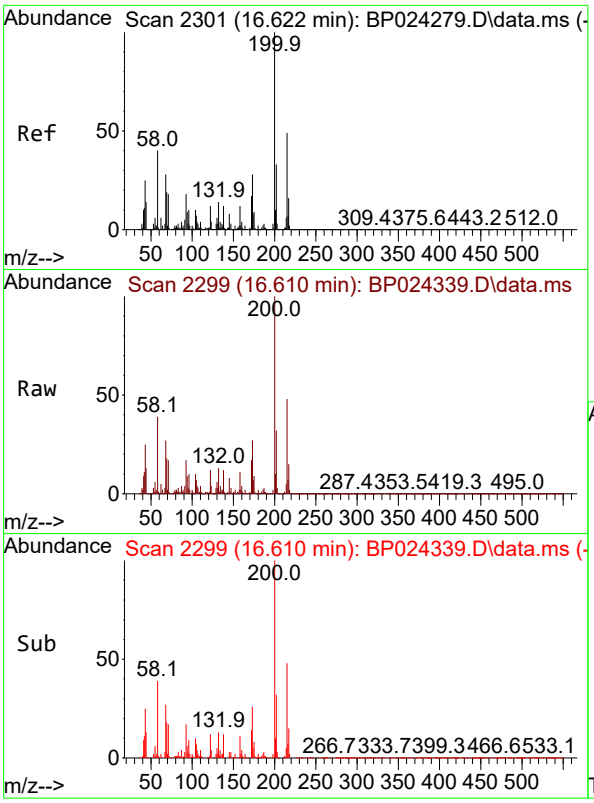


#68
Hexachlorobenzene
Concen: 48.692 ng
RT: 16.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:284 Resp: 738312

Ion	Ratio	Lower	Upper
284	100		
142	32.2	24.6	37.0
249	30.4	23.8	35.6



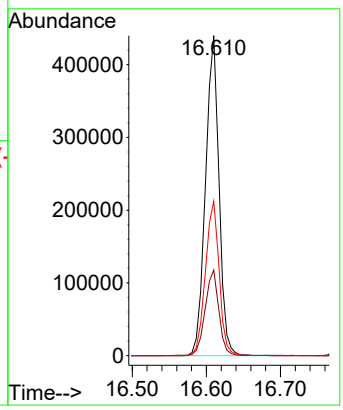


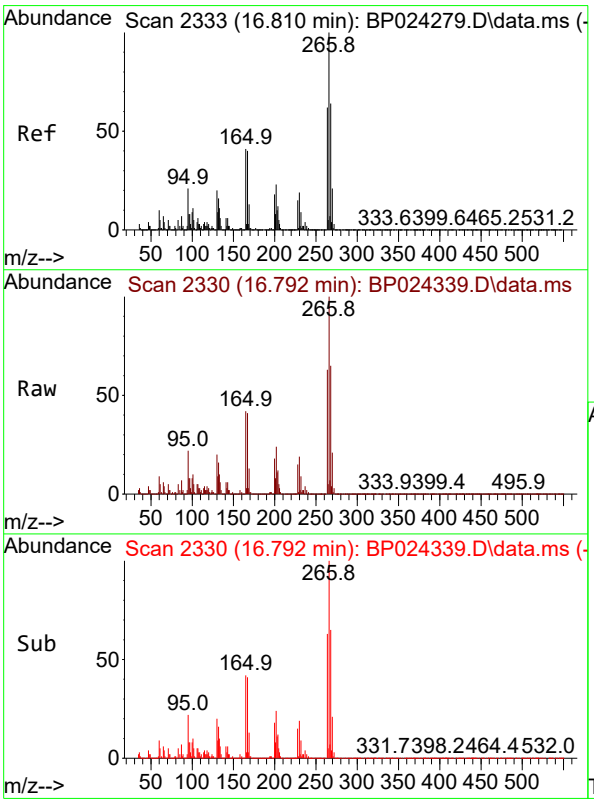
#69
Atrazine
Concen: 62.879 ng
RT: 16.610 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:200 Resp: 557700

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.5	47.5
215	48.3	28.8	68.8

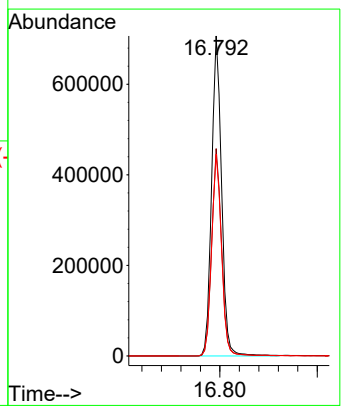


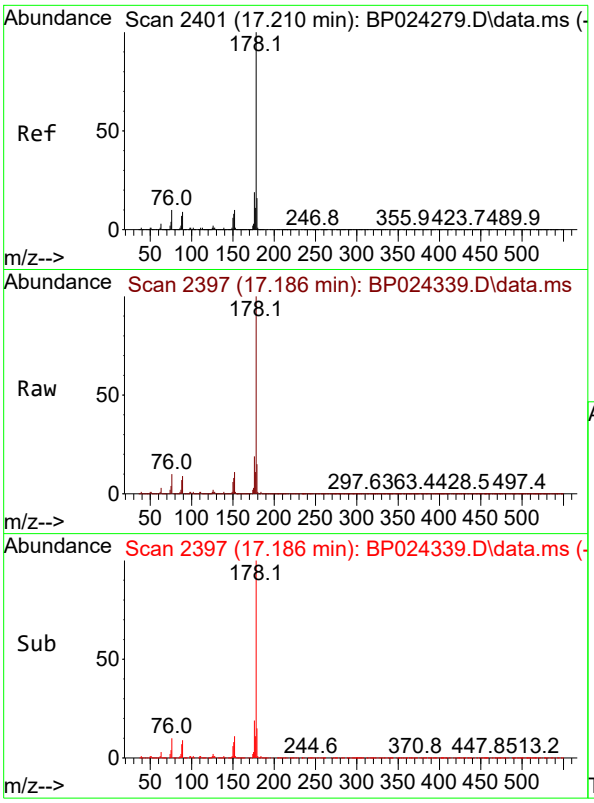


#70
Pentachlorophenol
Concen: 94.298 ng
RT: 16.792 min Scan# 2330
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:266 Resp: 997488

Ion	Ratio	Lower	Upper
266	100		
268	64.8	51.0	76.6
264	63.1	49.8	74.6



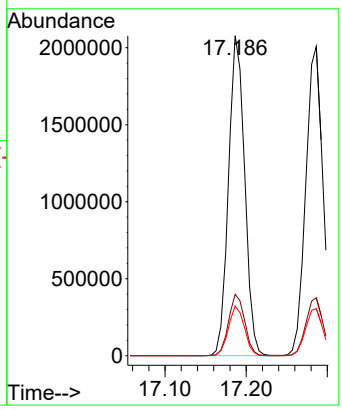


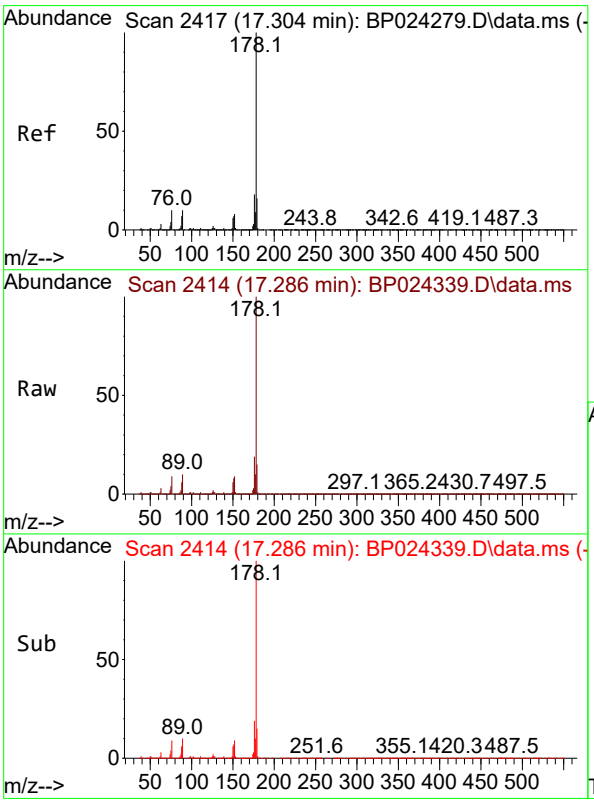
#71
Phenanthrene
Concen: 45.088 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:178 Resp: 2869809

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.5	18.7

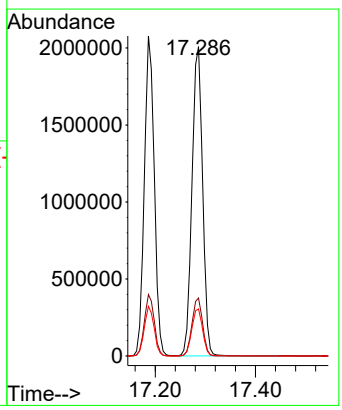


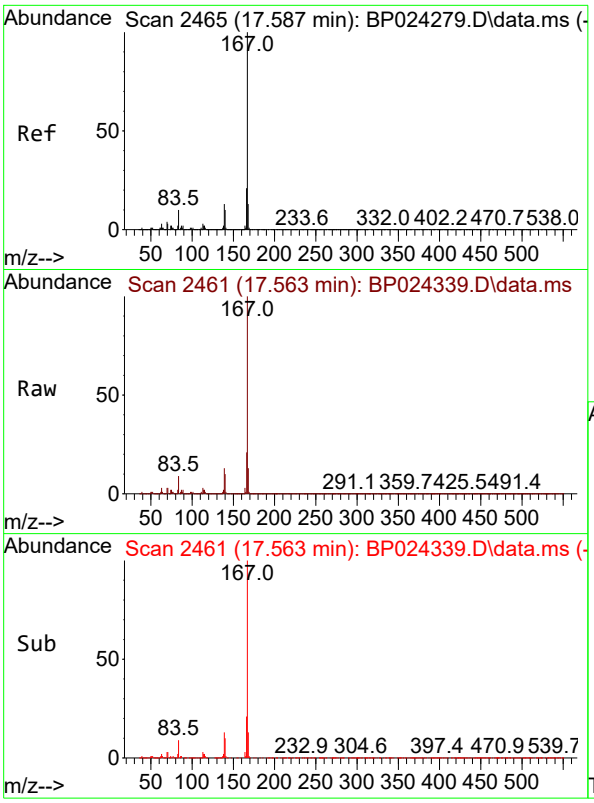


#72
Anthracene
Concen: 48.070 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:178 Resp: 2948832

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.2	12.4	18.6



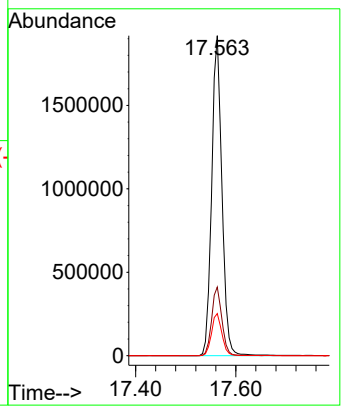


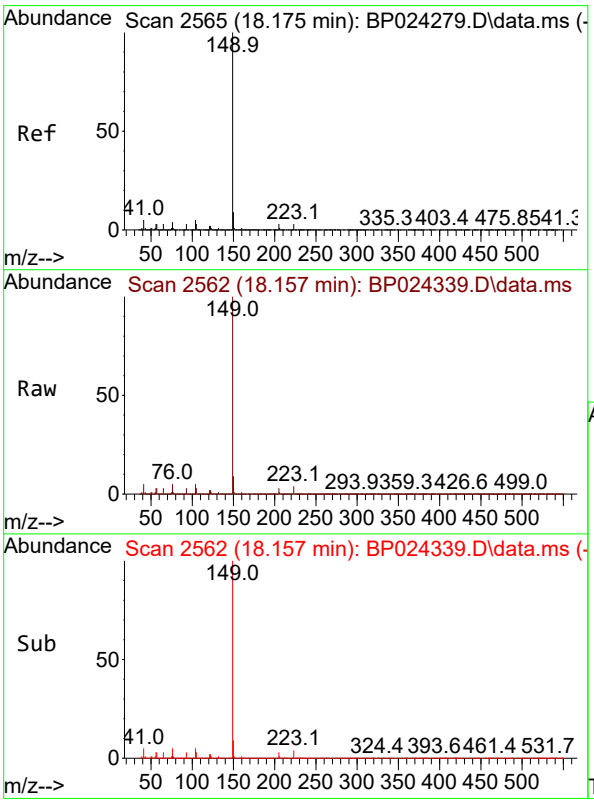
#73
Carbazole
Concen: 45.246 ng
RT: 17.563 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:167 Resp: 2711947

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.2	10.6	16.0

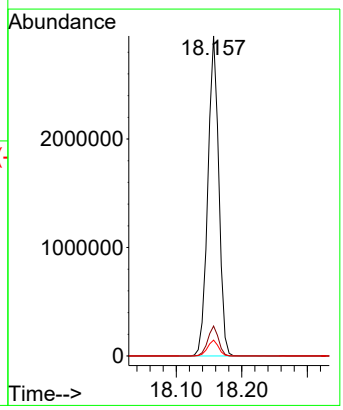


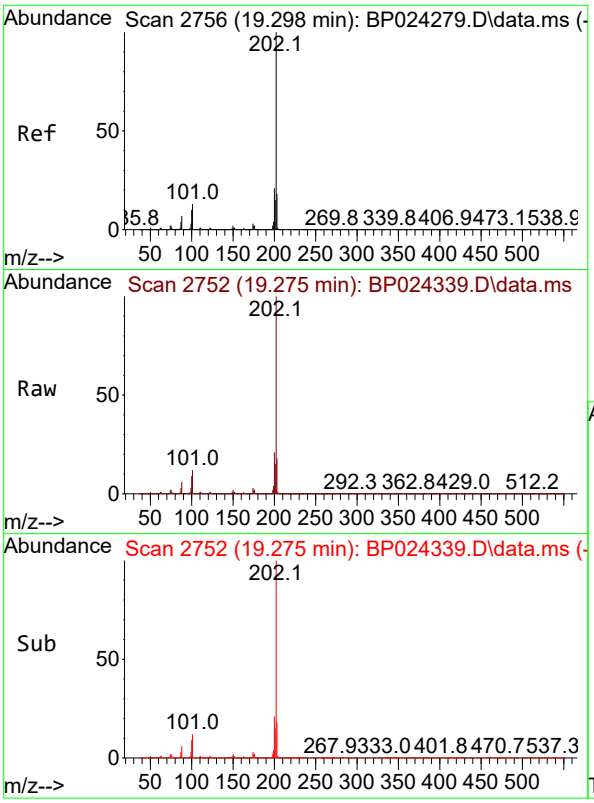


#74
Di-n-butylphthalate
Concen: 45.711 ng
RT: 18.157 min Scan# 2562
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:149 Resp: 3413441

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9



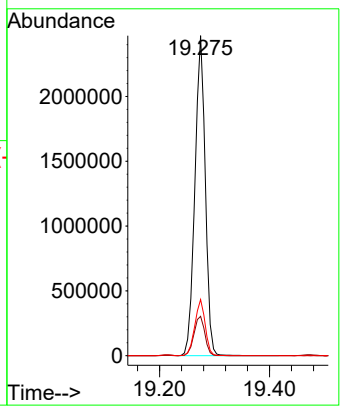


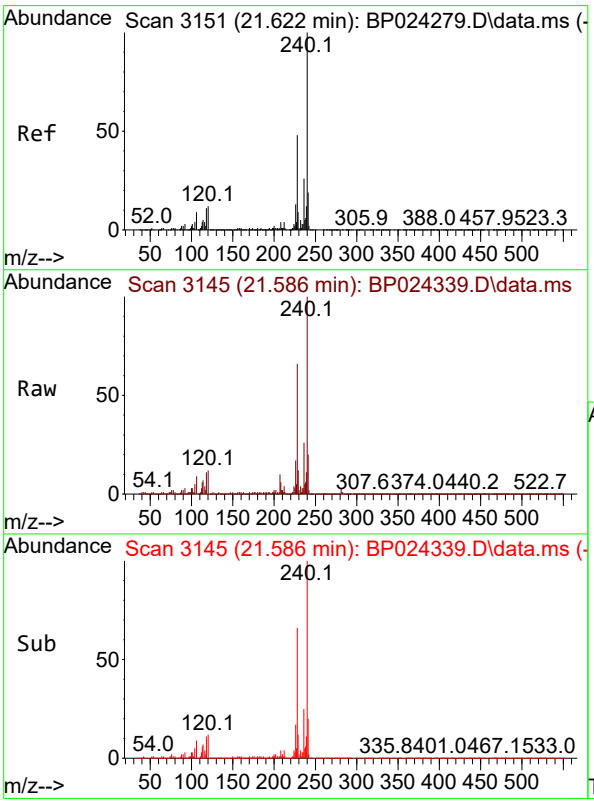
#75
Fluoranthene
Concen: 42.701 ng
RT: 19.275 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:202 Resp: 3232449

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.6	0.0	37.7

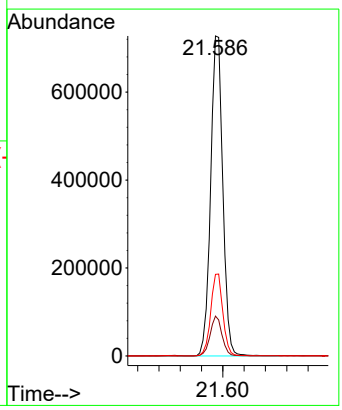


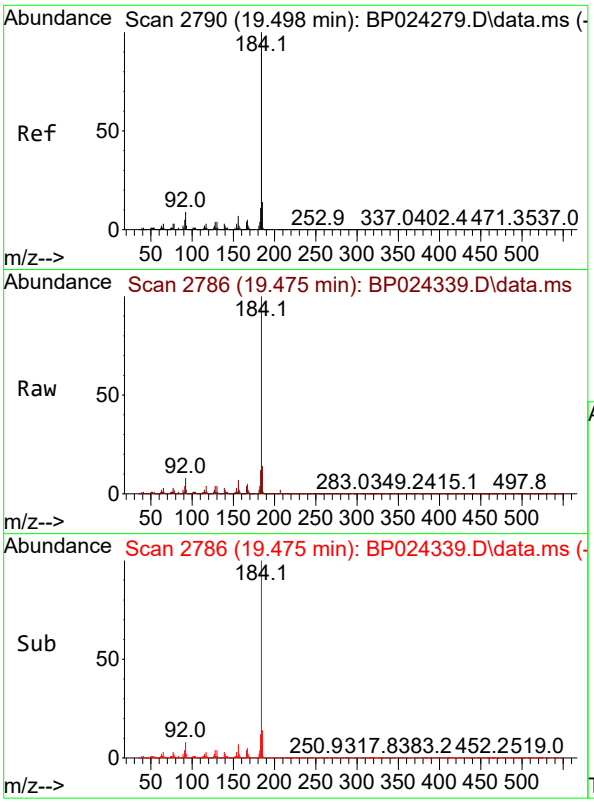


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.586 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:240 Resp: 1153642

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.8	14.8
236	25.5	20.9	31.3



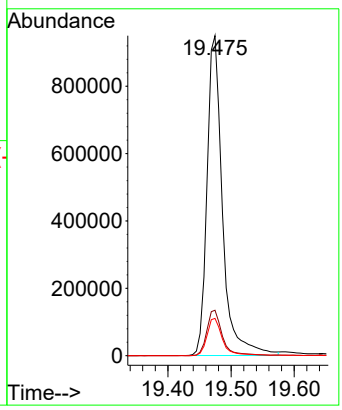


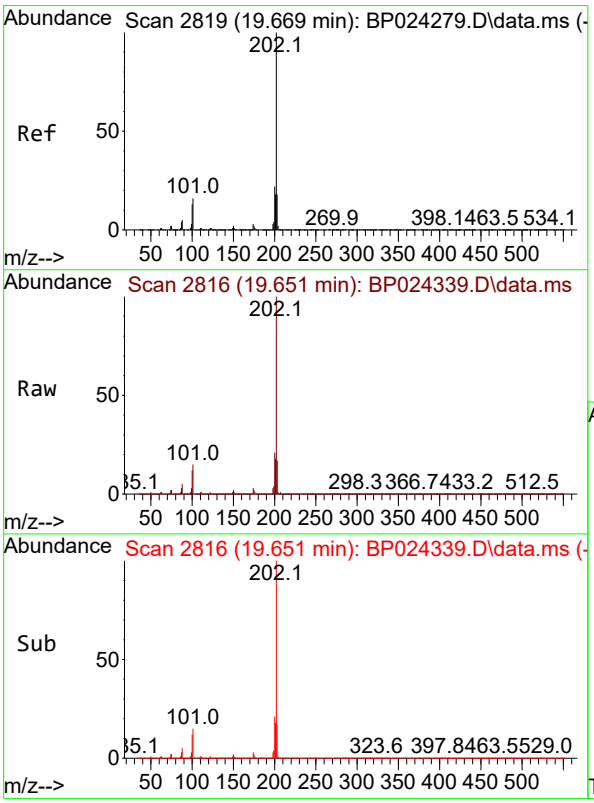
#77
Benzidine
Concen: 110.930 ng
RT: 19.475 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:184 Resp: 1622177

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.7	9.2	13.8

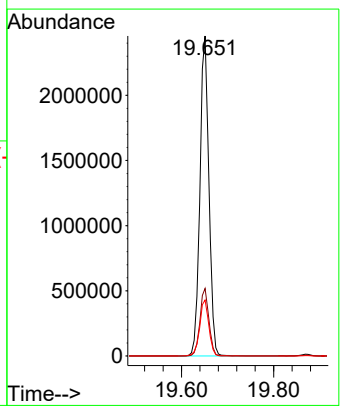


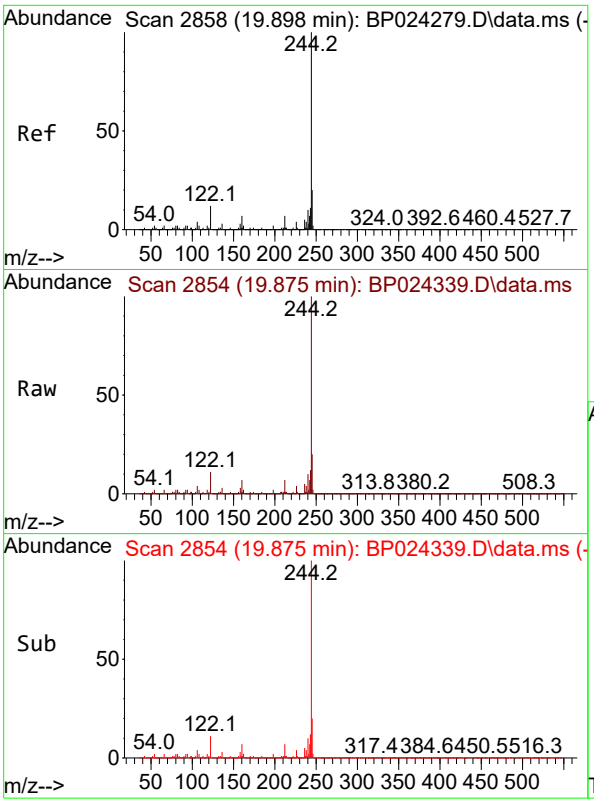


#78
Pyrene
Concen: 45.372 ng
RT: 19.651 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:202 Resp: 3326485

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.5	14.4	21.6



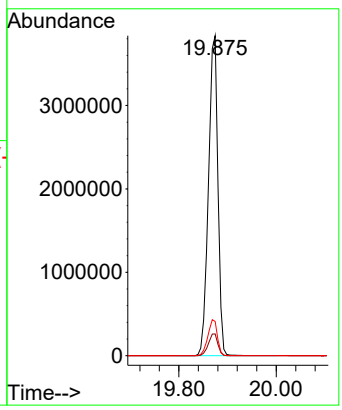


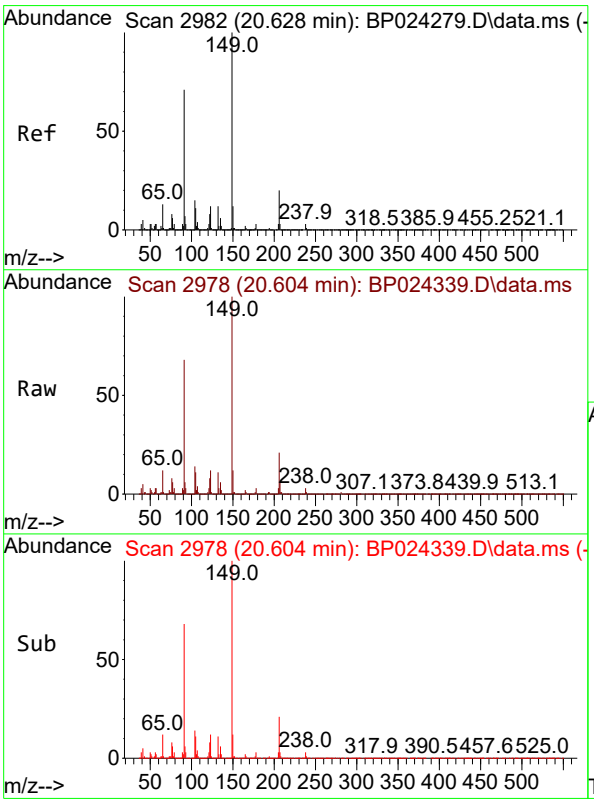
#79
Terphenyl-d14
Concen: 89.490 ng
RT: 19.875 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:244 Resp: 5121941

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.7	9.4	14.0

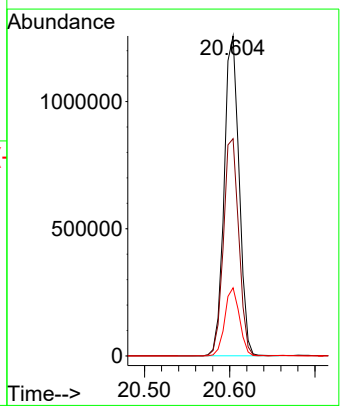


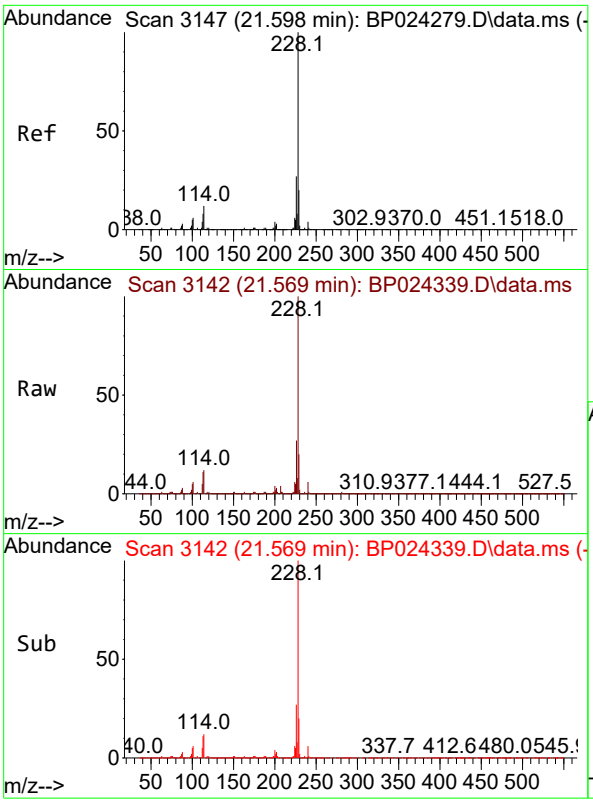


#80
Butylbenzylphthalate
Concen: 48.752 ng
RT: 20.604 min Scan# 2978
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:149 Resp: 1530954

Ion	Ratio	Lower	Upper
149	100		
91	67.9	56.4	84.6
206	21.3	16.3	24.5



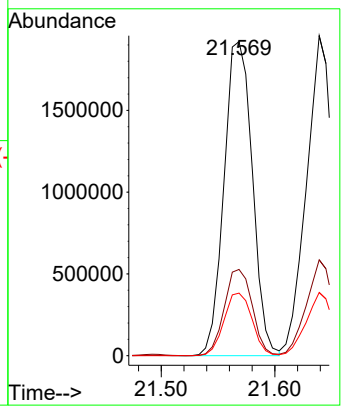


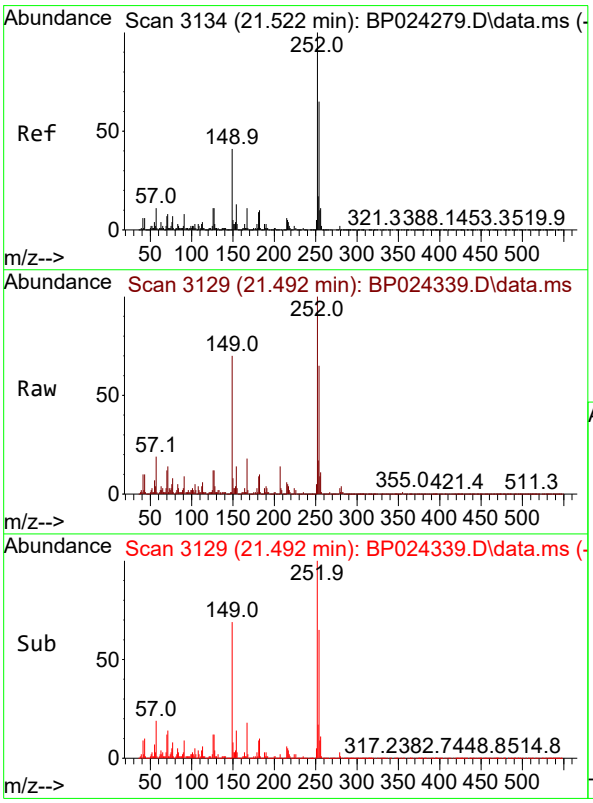
#81
Benzo(a)anthracene
Concen: 46.463 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:228 Resp: 3331673

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.9	15.9	23.9

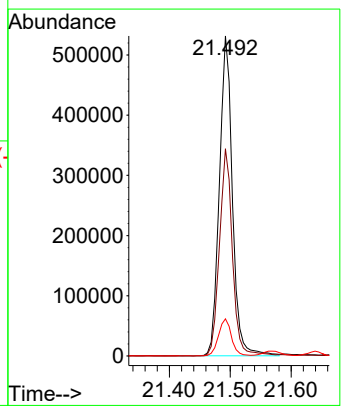


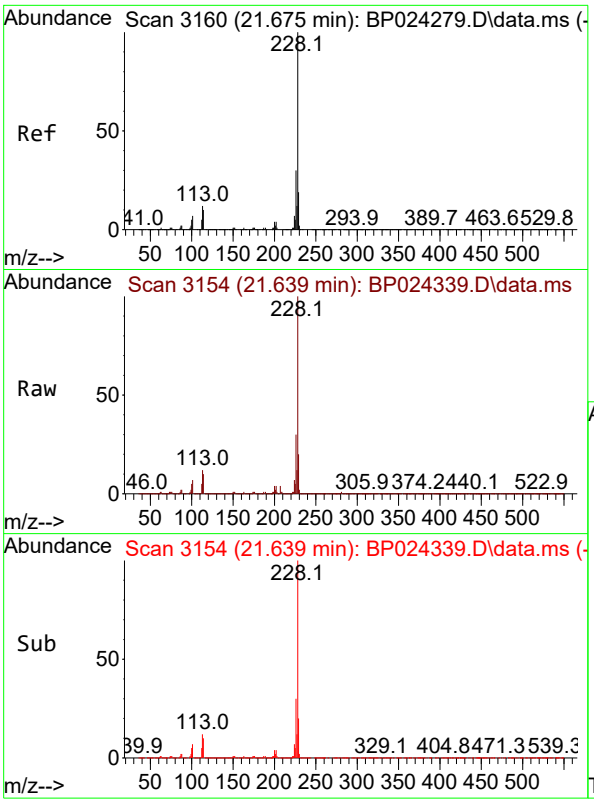


#82
3,3'-Dichlorobenzidine
Concen: 31.353 ng
RT: 21.492 min Scan# 3129
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:252 Resp: 789098

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.6	8.8	13.2



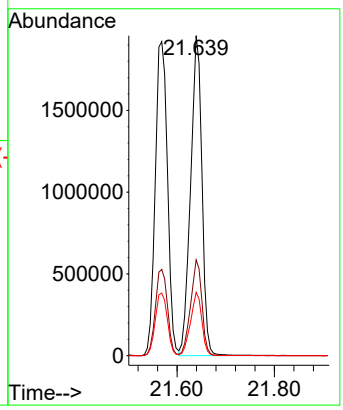


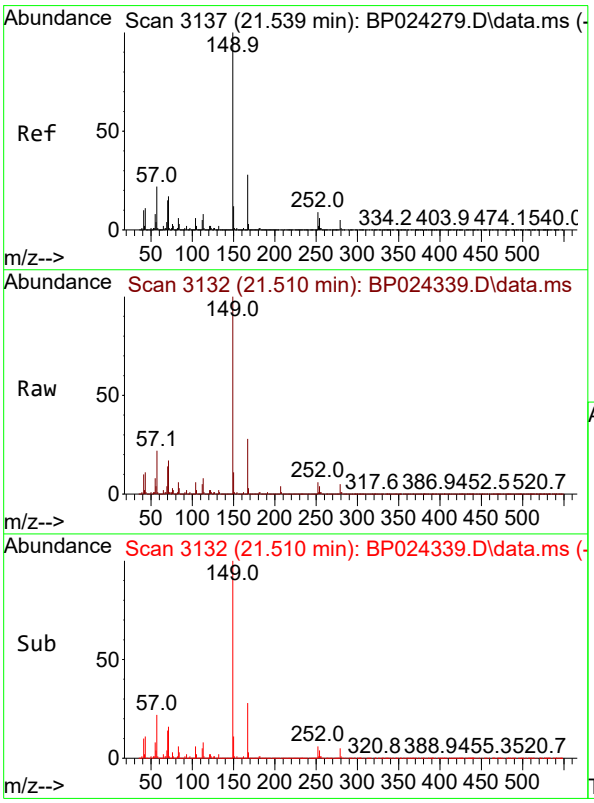
#83
Chrysene
Concen: 46.126 ng
RT: 21.639 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:228 Resp: 3168712

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4

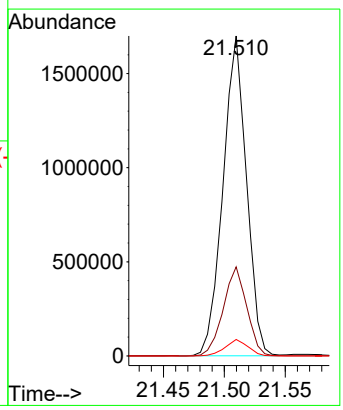


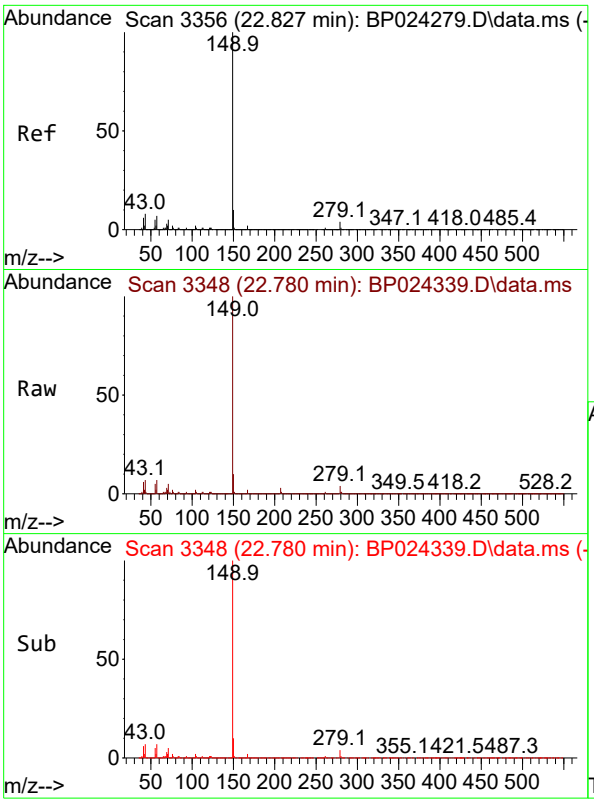


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.576 ng
RT: 21.510 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:149 Resp: 2282241

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.2	4.0	6.0



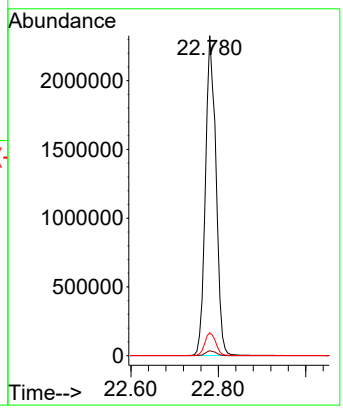


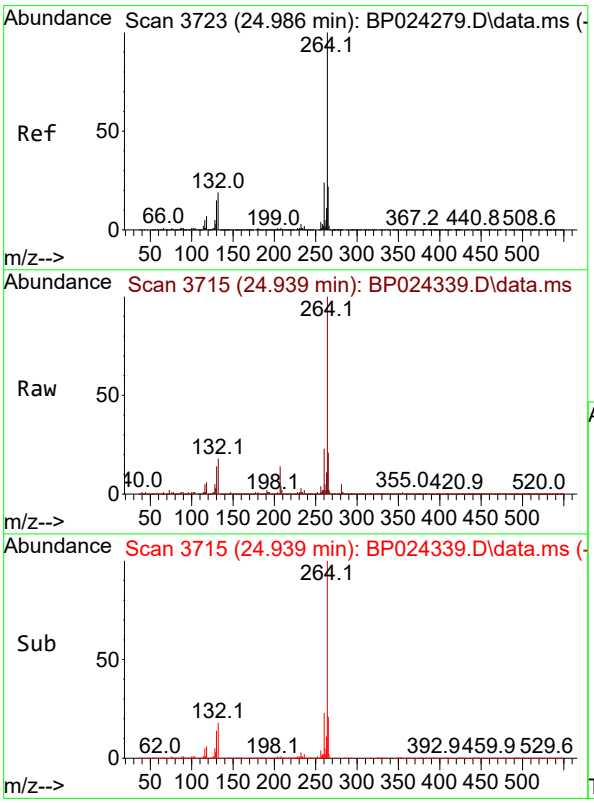
#85
Di-n-octyl phthalate
Concen: 52.102 ng
RT: 22.780 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:149 Resp: 3899293

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.4	6.0	9.0

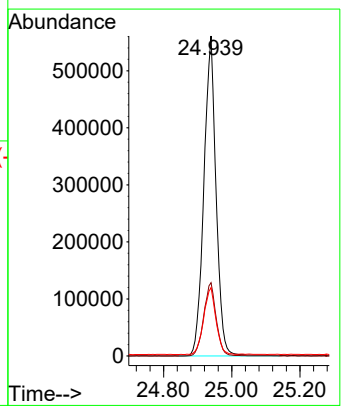


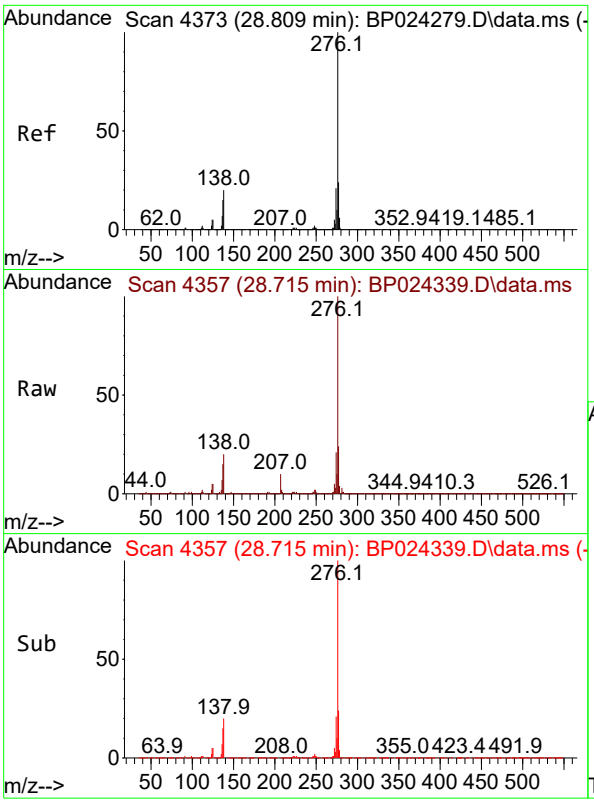


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.939 min Scan# 3715
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:264 Resp: 1393018

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	21.4	17.8	26.6



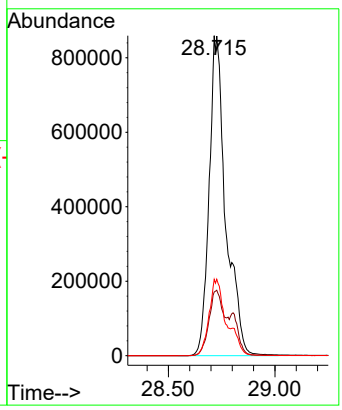


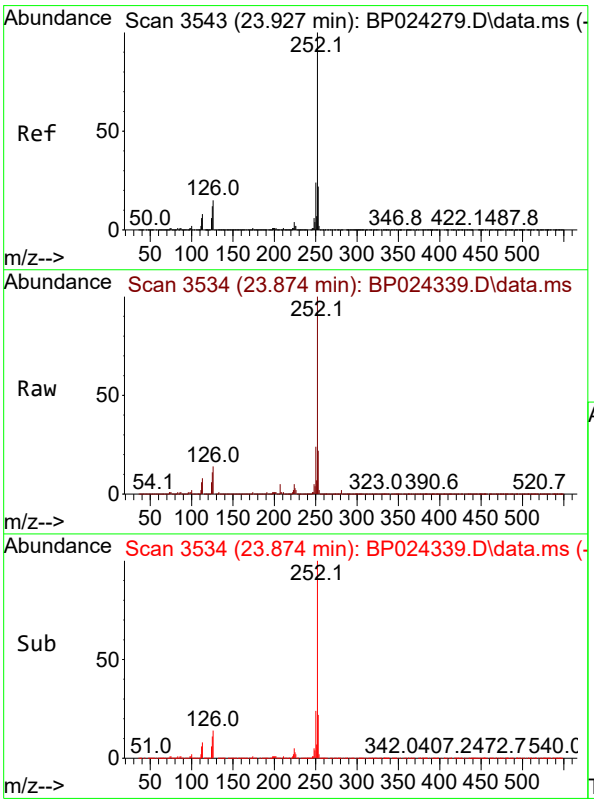
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.331 ng
RT: 28.715 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:276 Resp: 4674044

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.5	21.7
277	21.2	20.2	30.2

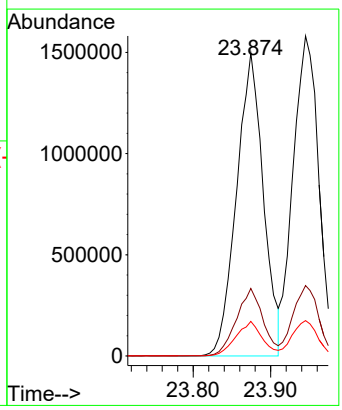


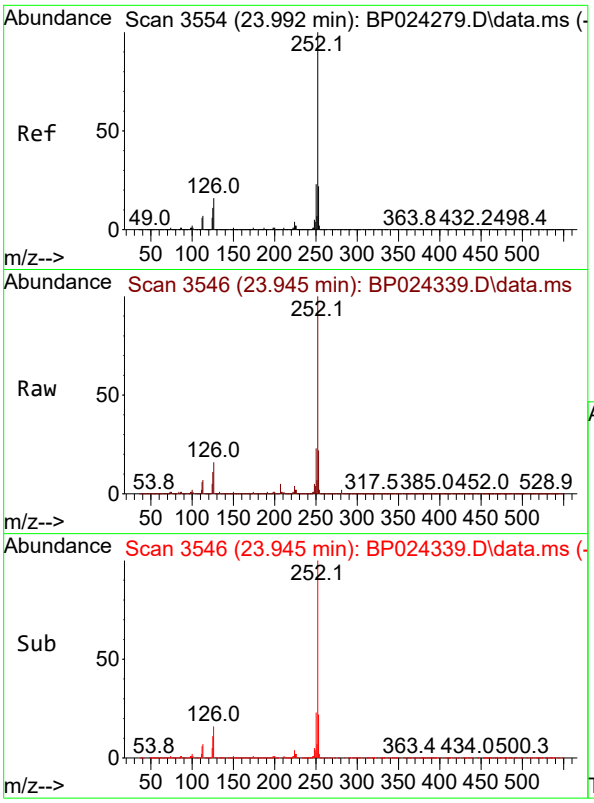


#88
Benzo(b)fluoranthene
Concen: 43.142 ng
RT: 23.874 min Scan# 3534
Delta R.T. -0.012 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:252 Resp: 3602298

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.4	9.4	14.0



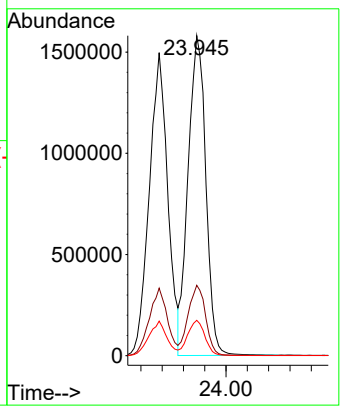


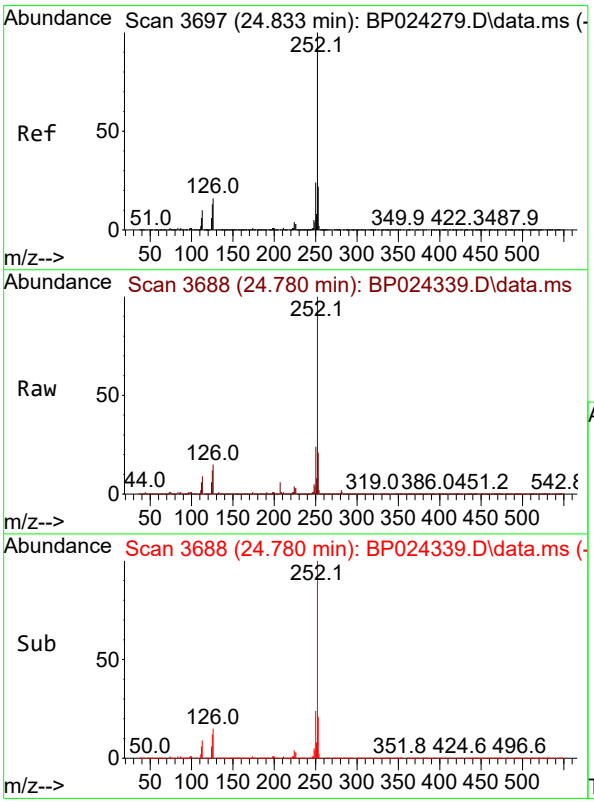
#89
Benzo(k)fluoranthene
Concen: 45.233 ng
RT: 23.945 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:252 Resp: 3648268

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.0	9.1	13.7

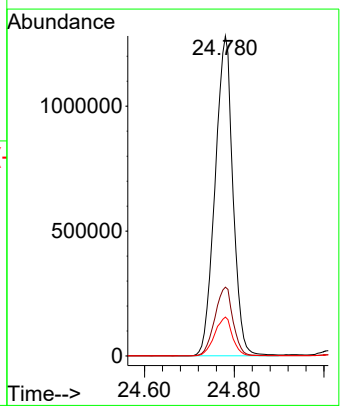


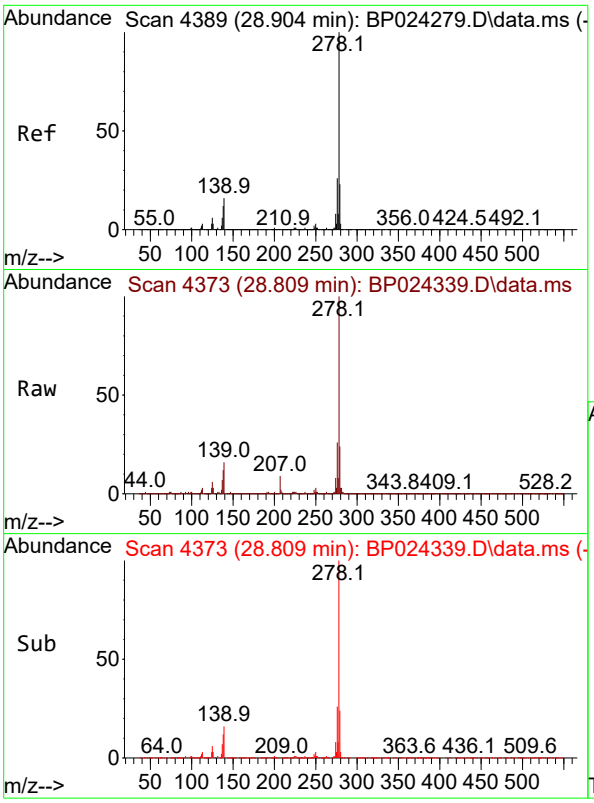


#90
Benzo(a)pyrene
Concen: 49.215 ng
RT: 24.780 min Scan# 3688
Delta R.T. 0.000 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:252 Resp: 3544769

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	12.2	10.1	15.1



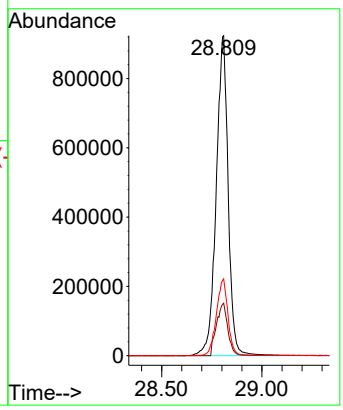


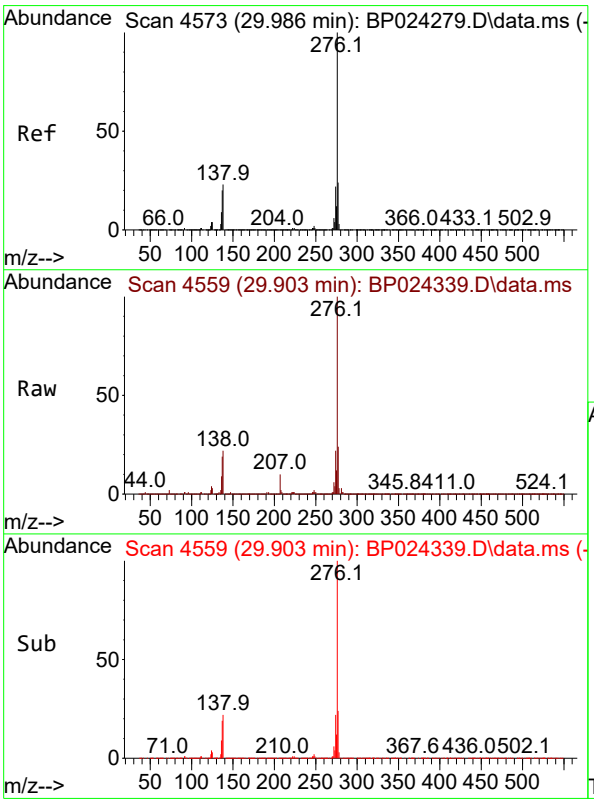
#91
Dibenzo(a,h)anthracene
Concen: 47.665 ng
RT: 28.809 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Instrument :
BNA_P
ClientSampleId :
PB167625BS

Tgt Ion:278 Resp: 3826153

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.6	19.0
279	24.0	18.5	27.7

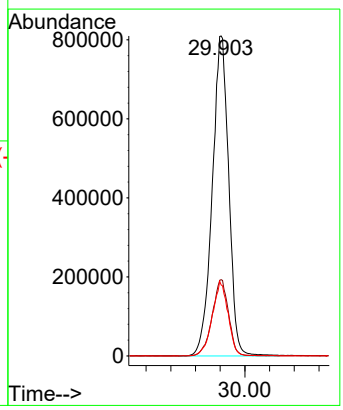




#92
Benzo(g,h,i)perylene
Concen: 45.808 ng
RT: 29.903 min Scan# 4559
Delta R.T. 0.006 min
Lab File: BP024339.D
Acq: 18 Apr 2025 12:35

Tgt Ion:276 Resp: 3742703

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.2	18.7	28.1



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BSD	SDG No.:	Q1812
Lab Sample ID:	PB167625BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024340.D	1	04/17/25 10:40	04/18/25 13:15	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	36.5		3.90	10.0	ug/L
108-95-2	Phenol	45.8		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.0		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	46.2		0.58	5.00	ug/L
95-48-7	2-Methylphenol	47.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.5		1.30	5.00	ug/L
98-86-2	Acetophenone	43.8		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.7		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	46.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.2		0.76	5.00	ug/L
78-59-1	Isophorone	45.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.1		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	65.9		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.8		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.2		0.52	5.00	ug/L
91-20-3	Naphthalene	42.6		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	17.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.3		0.54	5.00	ug/L
105-60-2	Caprolactam	43.6		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.5		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	38.5		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.5		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.6		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	44.0		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	49.2		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.8		0.61	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BSD	SDG No.:	Q1812
Lab Sample ID:	PB167625BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024340.D	1	04/17/25 10:40	04/18/25 13:15	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	48.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.1		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	39.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	43.3		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	99.7	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	98.6	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.2		1.20	5.00	ug/L
84-66-2	Diethylphthalate	42.1		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.8		0.68	5.00	ug/L
86-73-7	Fluorene	44.6		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	46.6		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.1		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	46.4		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	47.5		0.52	5.00	ug/L
1912-24-9	Atrazine	64.9		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	96.5	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	45.9		0.50	5.00	ug/L
120-12-7	Anthracene	49.1		0.61	5.00	ug/L
86-74-8	Carbazole	47.2		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	44.5		0.82	5.00	ug/L
129-00-0	Pyrene	45.4		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	47.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	32.3		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.3		0.45	5.00	ug/L
218-01-9	Chrysene	46.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.6		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	50.8		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	43.9		0.49	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB167625BSD	SDG No.:	Q1812
Lab Sample ID:	PB167625BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024340.D	1	04/17/25 10:40	04/18/25 13:15	PB167625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	50.0		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.3		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.8		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	47.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.9		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	39.4		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.8		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	122		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.7		30 (49) - 130 (133)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.7		30 (52) - 130 (132)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	87.2		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	220000	7.722			
1146-65-2	Naphthalene-d8	881000	10.498			
15067-26-2	Acenaphthene-d10	531000	14.351			
1517-22-2	Phenanthrene-d10	996000	17.151			
1719-03-5	Chrysene-d12	1040000	21.598			
1520-96-3	Perylene-d12	1270000	24.945			

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_P\Data\BP041825\
Data File : BP024340.D
Acq On : 18 Apr 2025 13:15
Operator : RC/JU
Sample : PB167625BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Quant Time: Apr 19 02:51:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	220196	20.000	ng	0.00
21) Naphthalene-d8	10.498	136	880701	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	530682	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	995933	20.000	ng	0.00
76) Chrysene-d12	21.598	240	1041087	20.000	ng	0.00
86) Perylene-d12	24.945	264	1268635	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1792008	134.562	ng	0.00
7) Phenol-d6	6.910	99	2230052	122.294	ng	0.00
23) Nitrobenzene-d5	8.875	82	1338548	86.665	ng	0.00
42) 2,4,6-Tribromophenol	15.869	330	977752	133.168	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	2970515	85.705	ng	0.00
79) Terphenyl-d14	19.868	244	4502463	87.172	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	221713	39.360	ng	99
3) Pyridine	3.681	79	566243	38.069	ng	97
4) n-Nitrosodimethylamine	3.593	42	223360	45.247	ng	94
6) Aniline	7.063	93	562419	34.515	ng	100
8) 2-Chlorophenol	7.298	128	686703	46.185	ng	99
9) Benzaldehyde	6.875	77	328865	36.459	ng	99
10) Phenol	6.940	94	837123	45.763	ng	98
11) bis(2-Chloroethyl)ether	7.151	93	633948	43.013	ng	99
12) 1,3-Dichlorobenzene	7.616	146	714868	44.659	ng	99
13) 1,4-Dichlorobenzene	7.757	146	728043	44.827	ng	99
14) 1,2-Dichlorobenzene	8.069	146	712573	45.437	ng	92
15) Benzyl Alcohol	7.963	79	536472	45.492	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.245	45	693369	43.524	ng	100
17) 2-Methylphenol	8.169	107	564447	47.699	ng	99
18) Hexachloroethane	8.793	117	270048	46.009	ng	99
19) n-Nitroso-di-n-propyla...	8.522	70	458386	40.632	ng	99
20) 3+4-Methylphenols	8.493	107	750083	45.682	ng	98
22) Acetophenone	8.540	105	955365	43.828	ng	100
24) Nitrobenzene	8.916	77	690334	45.181	ng	100
25) Isophorone	9.440	82	1283590	45.913	ng	98
26) 2-Nitrophenol	9.616	139	352469	47.139	ng	98
27) 2,4-Dimethylphenol	9.681	122	618618	65.890	ng	99
28) bis(2-Chloroethoxy)met...	9.910	93	809084	42.841	ng	100
29) 2,4-Dichlorophenol	10.151	162	604676	47.235	ng	99
30) 1,2,4-Trichlorobenzene	10.363	180	616636	44.959	ng	99
31) Naphthalene	10.545	128	1978305	42.643	ng	99
32) Benzoic acid	9.828	122	405788	37.093	ng	99
33) 4-Chloroaniline	10.669	127	280611	17.176	ng	99
34) Hexachlorobutadiene	10.828	225	373132	46.296	ng	99
35) Caprolactam	11.445	113	205873	43.585	ng	94
36) 4-Chloro-3-methylphenol	11.792	107	663548	44.502	ng	99
37) 2-Methylnaphthalene	12.157	142	1237491	38.463	ng	99
38) 1-Methylnaphthalene	12.375	142	1296259	41.184	ng	99
40) 1,2,4,5-Tetrachloroben...	12.534	216	669392	45.868	ng	99
41) Hexachlorocyclopentadiene	12.510	237	962824	186.541	ng	99
43) 2,4,6-Trichlorophenol	12.775	196	470649	48.507	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024340.D
Acq On : 18 Apr 2025 13:15
Operator : RC/JU
Sample : PB167625BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Quant Time: Apr 19 02:51:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

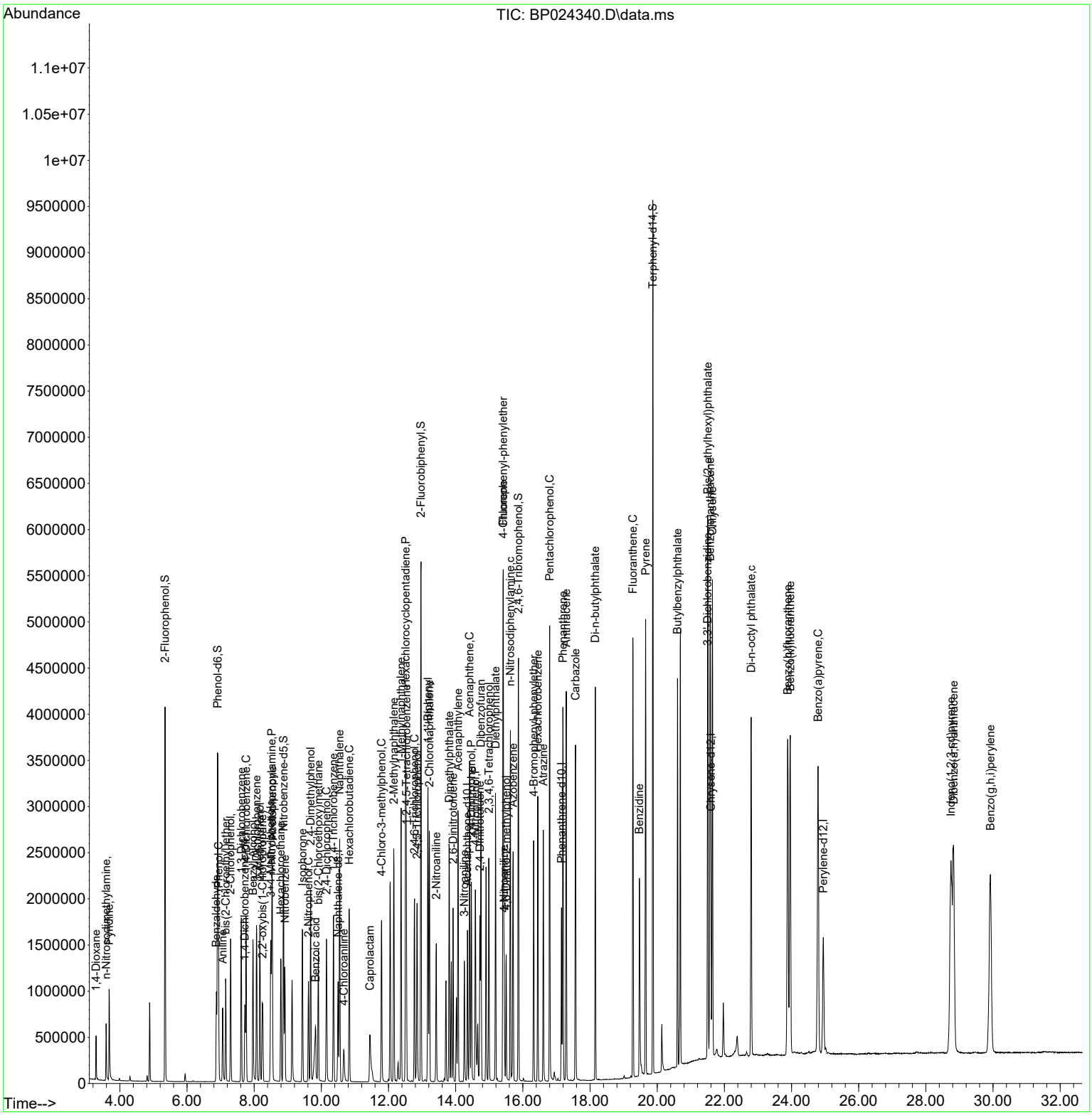
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.851	196	522436	48.623	ng	98
46) 1,1'-Biphenyl	13.175	154	1718087	44.045	ng	100
47) 2-Chloronaphthalene	13.216	162	1332204	45.695	ng	99
48) 2-Nitroaniline	13.422	65	402533	49.223	ng	99
49) Acenaphthylene	14.075	152	2227375	48.526	ng	99
50) Dimethylphthalate	13.810	163	1690213	43.797	ng	99
51) 2,6-Dinitrotoluene	13.922	165	378097	46.138	ng	96
52) Acenaphthene	14.416	154	1259133	43.270	ng	99
53) 3-Nitroaniline	14.257	138	336382	39.055	ng	97
54) 2,4-Dinitrophenol	14.469	184	481115	99.667	ng	96
55) Dibenzofuran	14.751	168	2014421	42.350	ng	98
56) 4-Nitrophenol	14.586	139	733290	98.578	ng	98
57) 2,4-Dinitrotoluene	14.722	165	538364	48.159	ng	98
58) Fluorene	15.416	166	1640808	44.561	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.986	232	453385	45.751	ng	99
60) Diethylphthalate	15.186	149	1676184	42.147	ng	100
61) 4-Chlorophenyl-phenyle...	15.410	204	782490	43.761	ng	100
62) 4-Nitroaniline	15.445	138	425096	46.622	ng	96
63) Azobenzene	15.710	77	1571444	42.991	ng	98
65) 4,6-Dinitro-2-methylph...	15.504	198	301863	48.075	ng	92
66) n-Nitrosodiphenylamine	15.627	169	1411022	47.467	ng	100
67) 4-Bromophenyl-phenylether	16.322	248	505435	46.403	ng	99
68) Hexachlorobenzene	16.445	284	614989	47.515	ng	99
69) Atrazine	16.610	200	491611	64.933	ng	99
70) Pentachlorophenol	16.798	266	871011	96.463	ng	99
71) Phenanthrene	17.192	178	2491343	45.855	ng	100
72) Anthracene	17.292	178	2568857	49.058	ng	99
73) Carbazole	17.569	167	2413582	47.174	ng	99
74) Di-n-butylphthalate	18.157	149	2907207	45.608	ng	100
75) Fluoranthene	19.274	202	2877057	44.524	ng	99
77) Benzidine	19.468	184	1531379	116.043	ng	100
78) Pyrene	19.657	202	3006247	45.438	ng	99
80) Butylbenzylphthalate	20.604	149	1353069	47.746	ng	99
81) Benzo(a)anthracene	21.574	228	3063275	47.339	ng	100
82) 3,3'-Dichlorobenzidine	21.498	252	734660	32.346	ng	99
83) Chrysene	21.645	228	2859540	46.125	ng	99
84) Bis(2-ethylhexyl)phtha...	21.509	149	1934351	46.562	ng	99
85) Di-n-octyl phthalate	22.798	149	3431654	50.811	ng	99
87) Indeno(1,2,3-cd)pyrene	28.744	276	4427477	50.270	ng	99
88) Benzo(b)fluoranthene	23.886	252	3337064	43.884	ng	99
89) Benzo(k)fluoranthene	23.962	252	3343198	45.515	ng	99
90) Benzo(a)pyrene	24.792	252	3278313	49.979	ng	99
91) Dibenzo(a,h)anthracene	28.827	278	3637312	49.755	ng	99
92) Benzo(g,h,i)perylene	29.921	276	3565152	47.913	ng	97

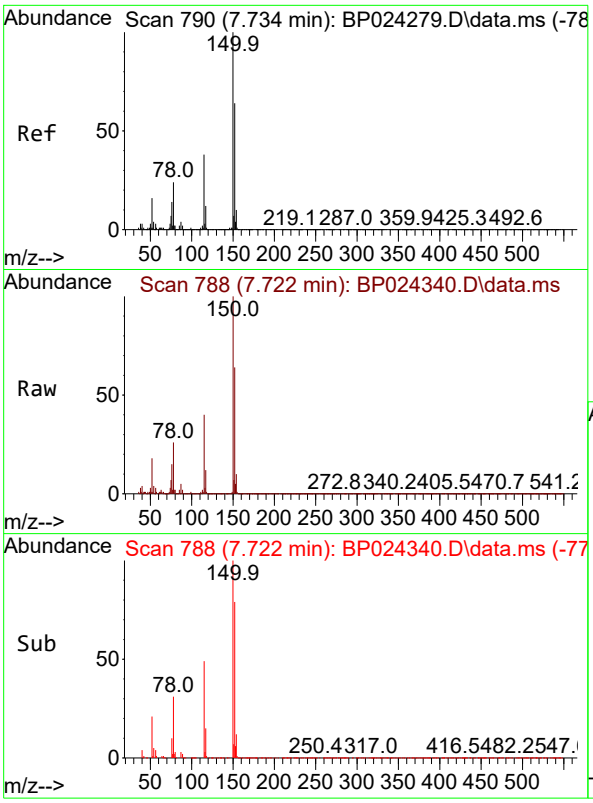
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041825\
Data File : BP024340.D
Acq On : 18 Apr 2025 13:15
Operator : RC/JU
Sample : PB167625BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Quant Time: Apr 19 02:51:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



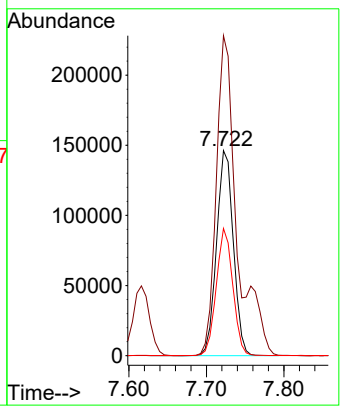


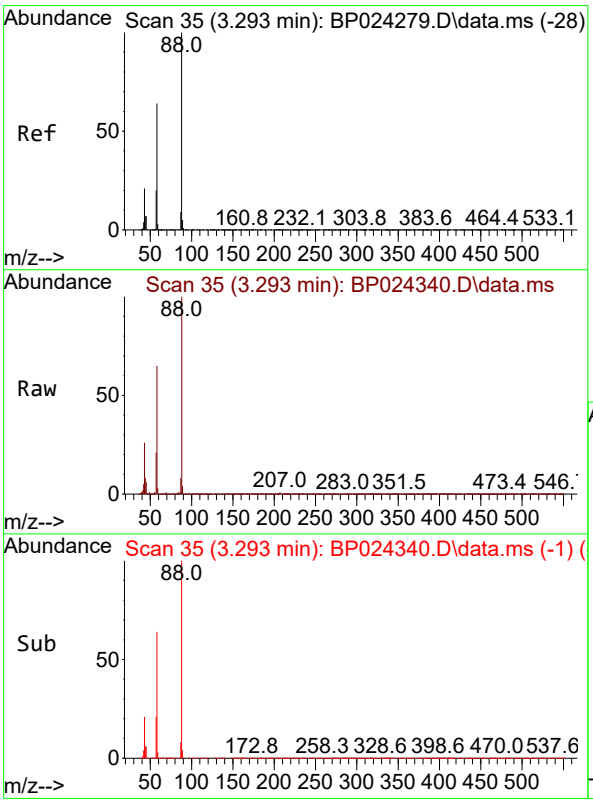
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:152 Resp: 220196

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.9	187.3
115	62.0	47.7	71.5

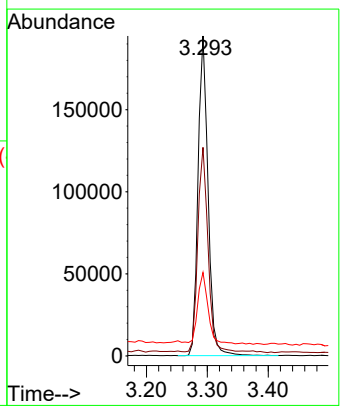


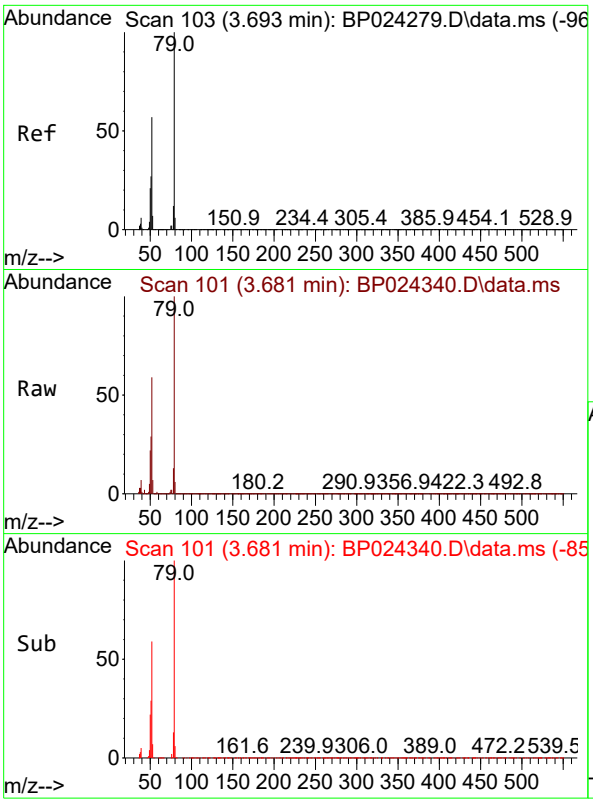


#2
1,4-Dioxane
Concen: 39.360 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion: 88 Resp: 221713

Ion	Ratio	Lower	Upper
88	100		
58	64.5	51.4	77.2
43	22.2	17.1	25.7



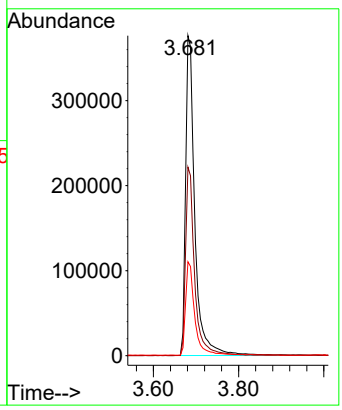


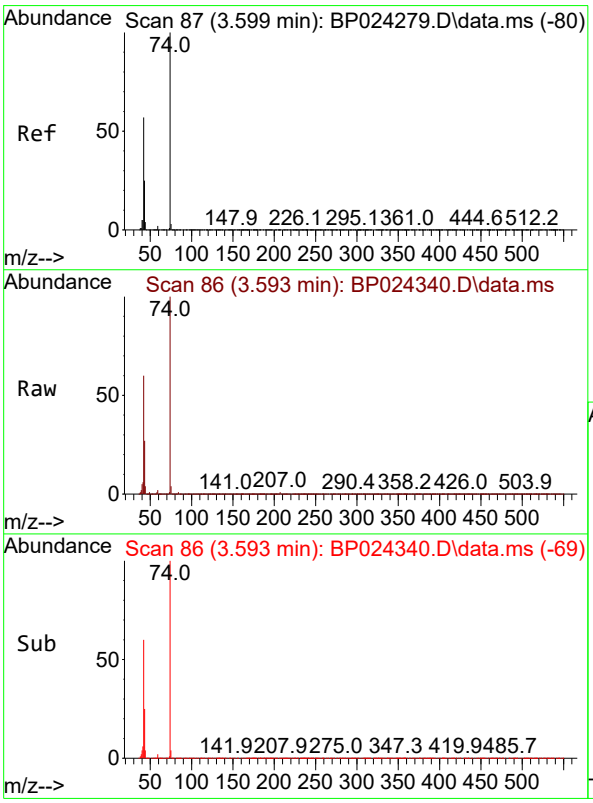
#3
Pyridine
Concen: 38.069 ng
RT: 3.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 79 Resp: 566243

Ion	Ratio	Lower	Upper
79	100		
52	58.9	45.4	68.2
51	29.4	22.6	33.8

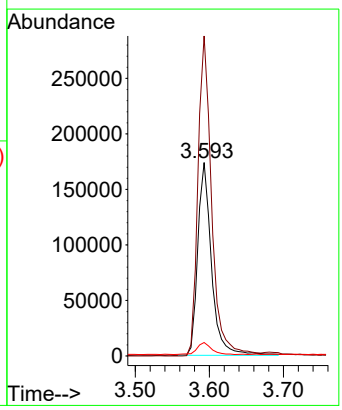


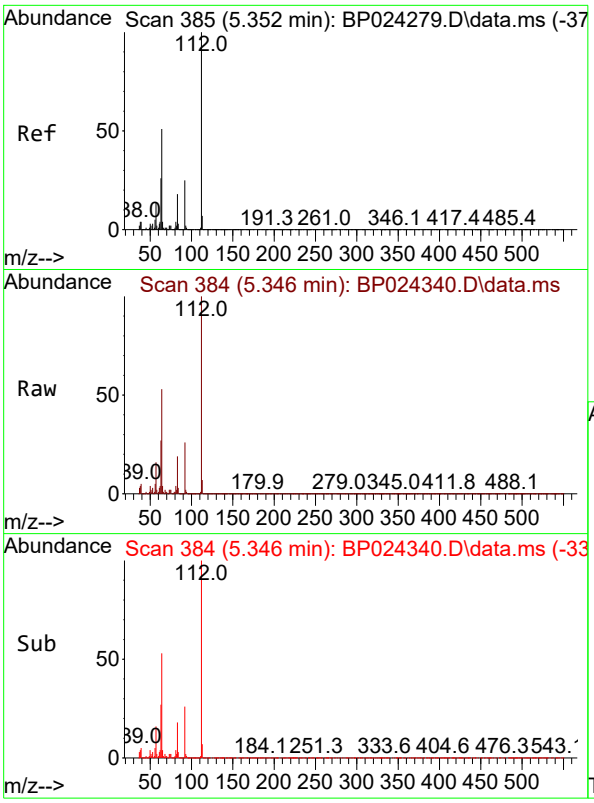


#4
n-Nitrosodimethylamine
Concen: 45.247 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion: 42 Resp: 223360

Ion	Ratio	Lower	Upper
42	100		
74	165.5	139.5	209.3
44	7.0	5.8	8.8



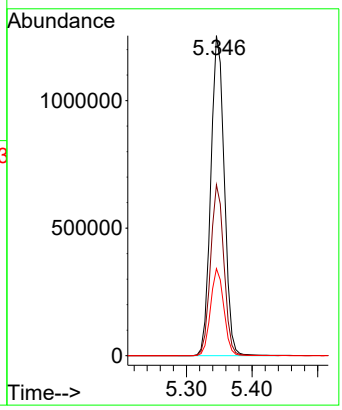


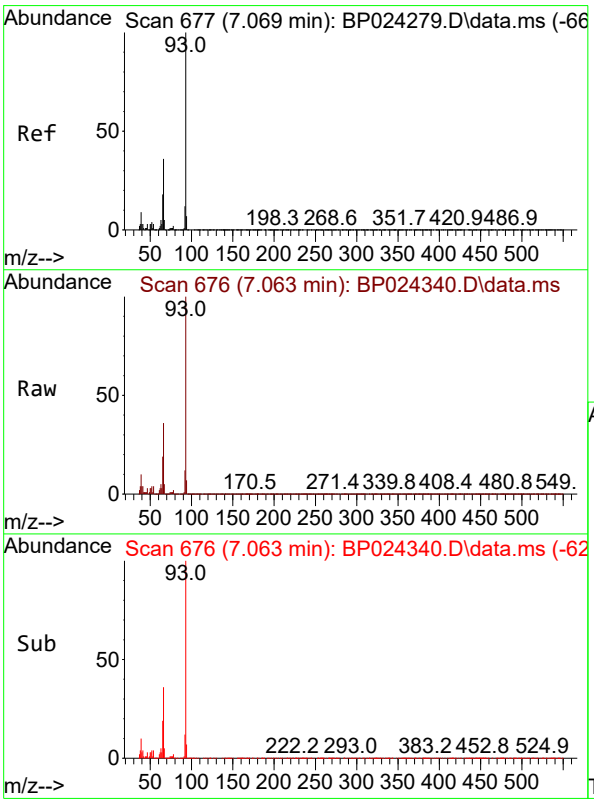
#5
2-Fluorophenol
Concen: 134.562 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:112 Resp: 1792008

Ion	Ratio	Lower	Upper
112	100		
64	53.4	41.1	61.7
63	27.2	20.6	30.8

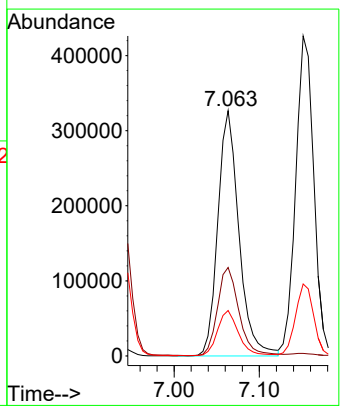


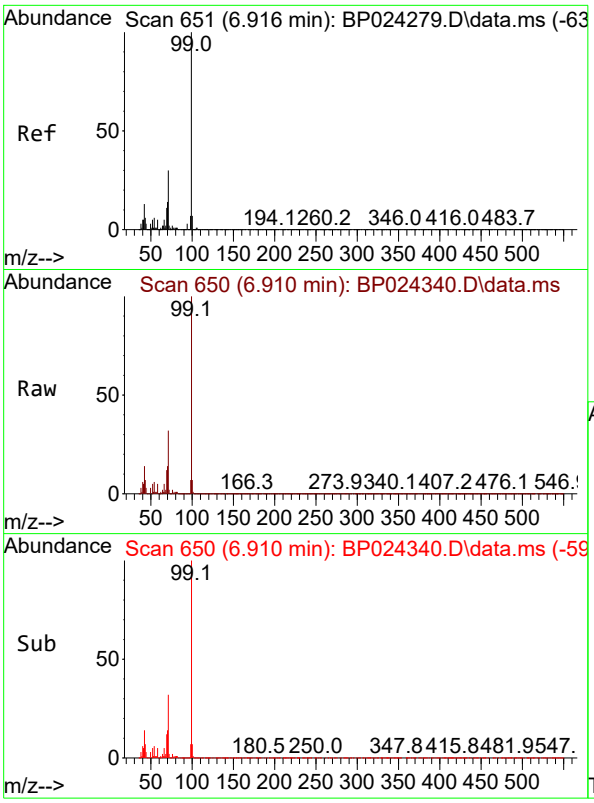


#6
Aniline
Concen: 34.515 ng
RT: 7.063 min Scan# 676
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion: 93 Resp: 562419

Ion	Ratio	Lower	Upper
93	100		
66	36.1	29.1	43.7
65	18.5	14.7	22.1



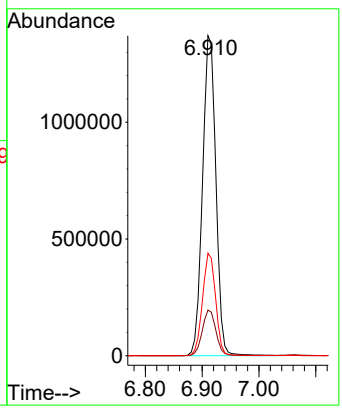


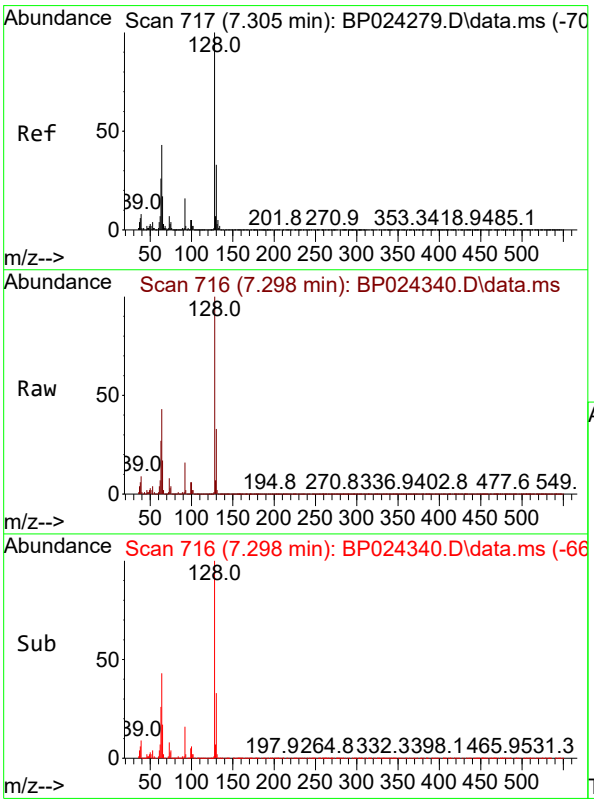
#7
Phenol-d6
Concen: 122.294 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 99 Resp: 2230052

Ion	Ratio	Lower	Upper
99	100		
42	14.3	10.6	16.0
71	32.0	23.7	35.5

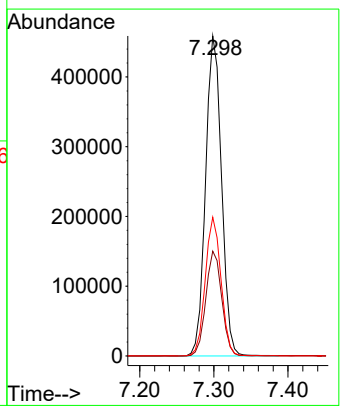


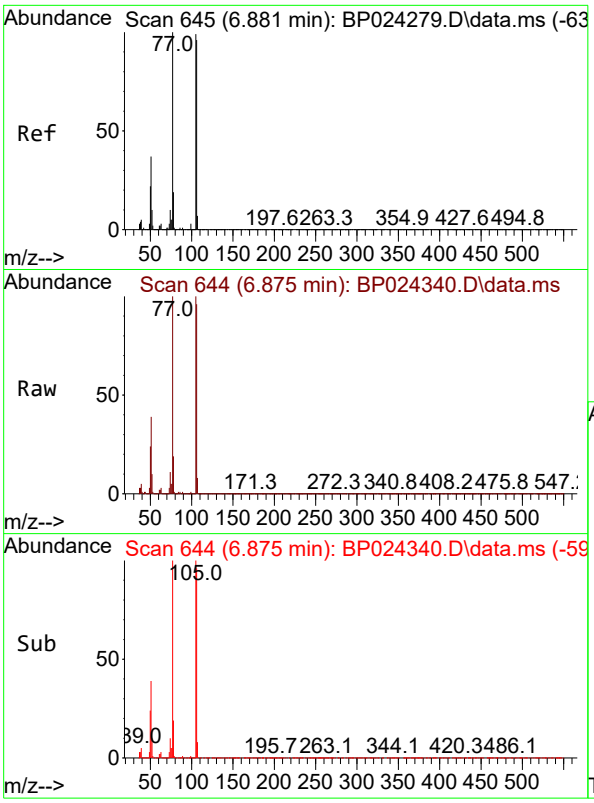


#8
2-Chlorophenol
Concen: 46.185 ng
RT: 7.298 min Scan# 716
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:128 Resp: 686703

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	43.4	22.7	62.7



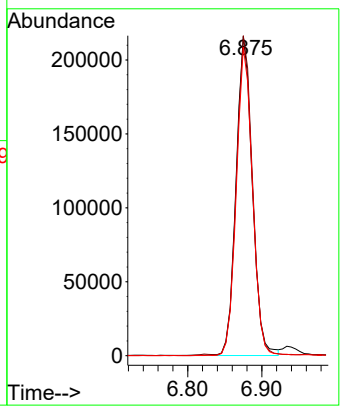


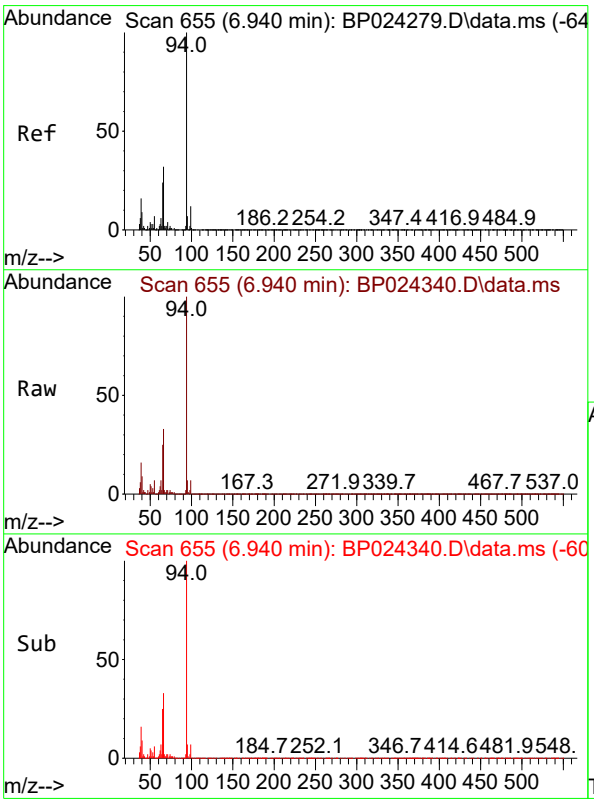
#9
Benzaldehyde
Concen: 36.459 ng
RT: 6.875 min Scan# 64
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 77 Resp: 328865

Ion	Ratio	Lower	Upper
77	100		
105	100.3	79.2	119.2
106	96.6	76.2	116.2

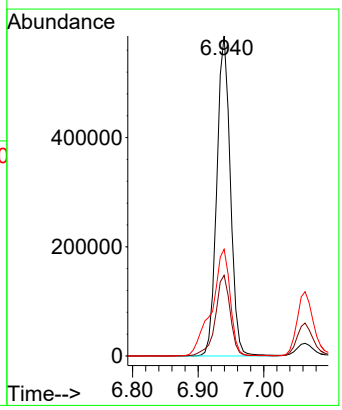


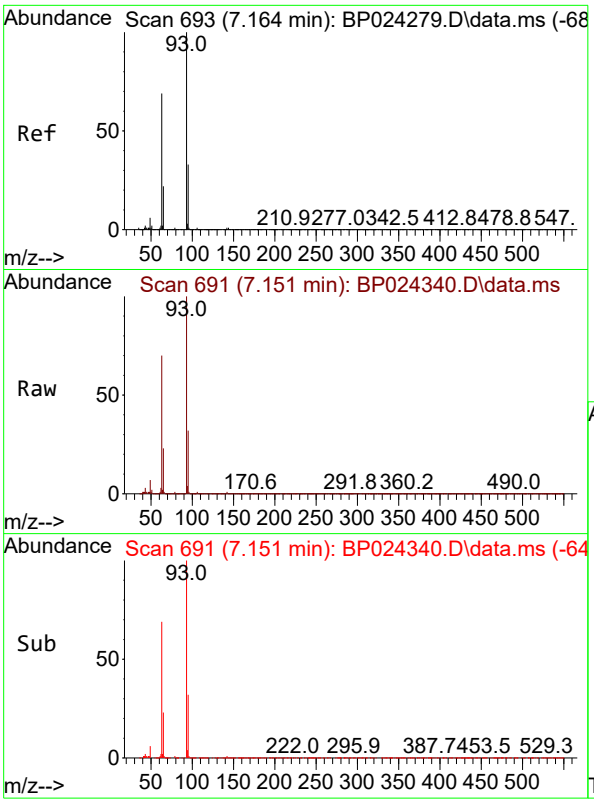


#10
Phenol
Concen: 45.763 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion: 94 Resp: 837123

Ion	Ratio	Lower	Upper
94	100		
65	25.2	4.5	44.5
66	33.4	12.4	52.4



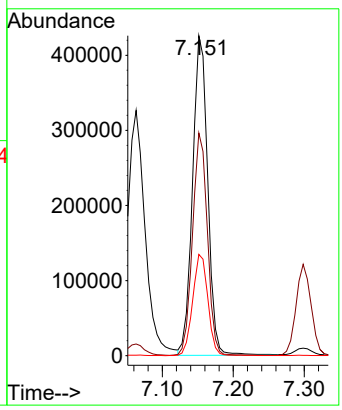


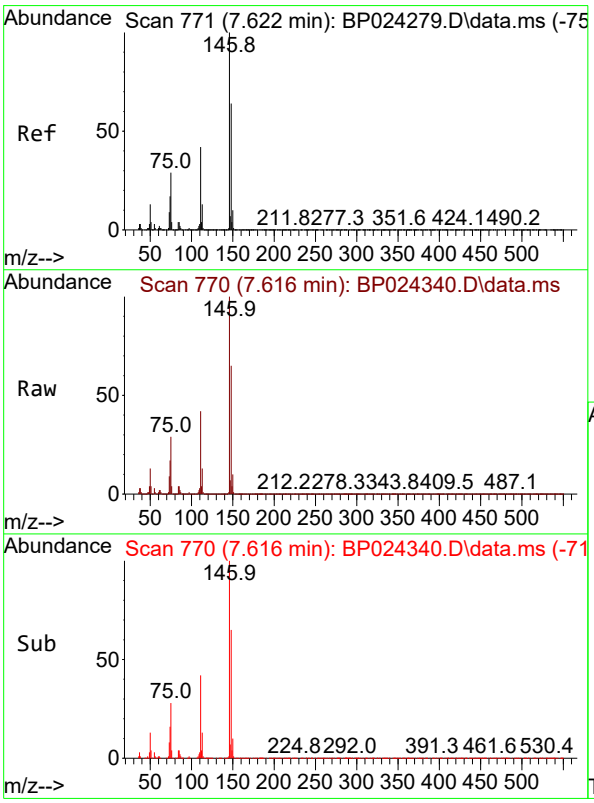
#11
bis(2-Chloroethyl)ether
Concen: 43.013 ng
RT: 7.151 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 93 Resp: 633948

Ion	Ratio	Lower	Upper
93	100		
63	69.6	48.6	88.6
95	31.7	12.3	52.3

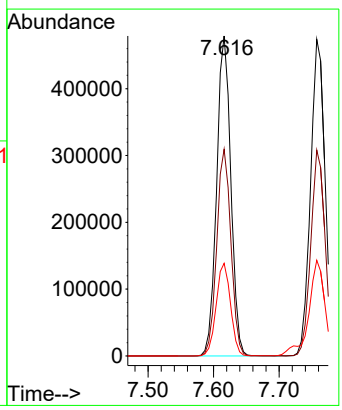


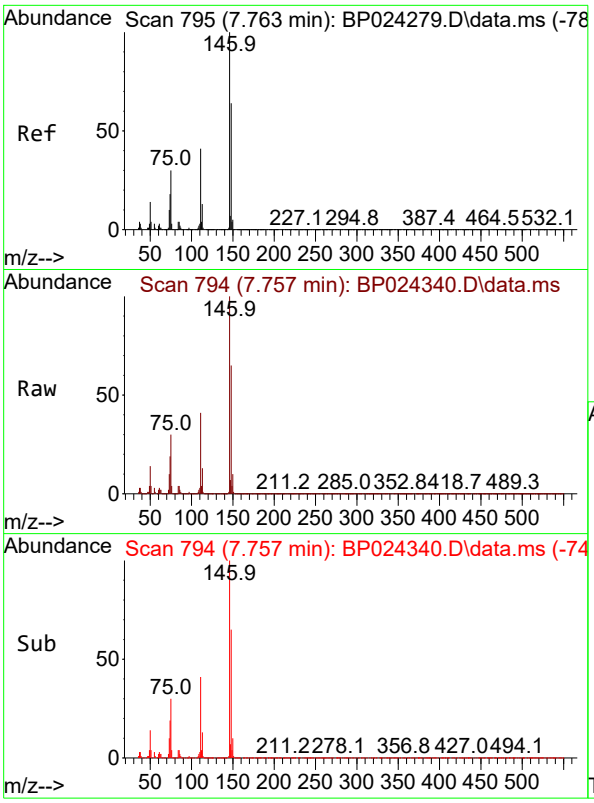


#12
1,3-Dichlorobenzene
Concen: 44.659 ng
RT: 7.616 min Scan# 770
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:146 Resp: 714868

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.0
75	28.9	22.9	34.3



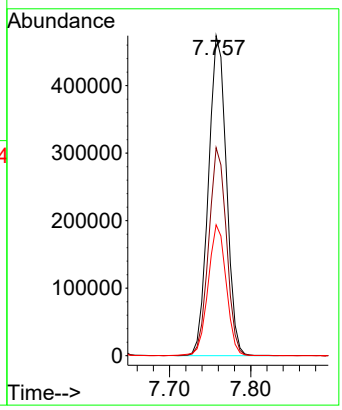


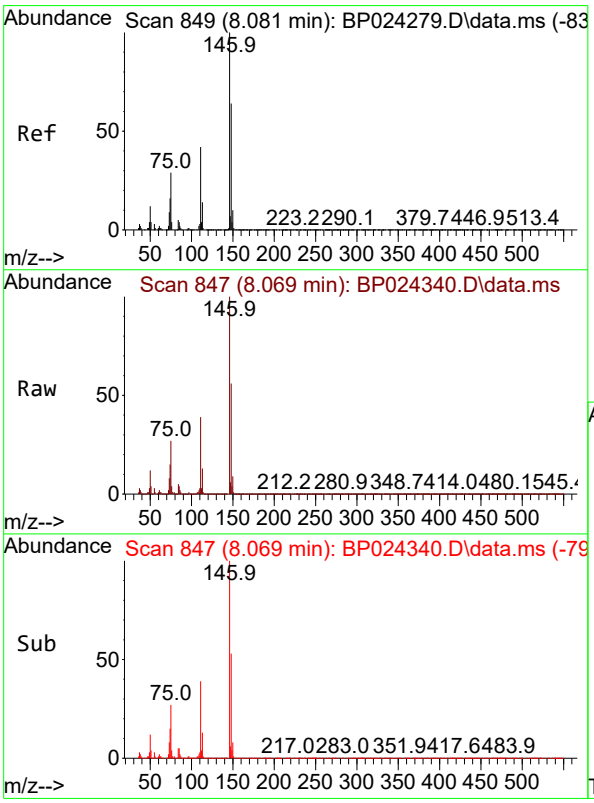
#13
1,4-Dichlorobenzene
Concen: 44.827 ng
RT: 7.757 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:146 Resp: 728043

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.1	76.7
111	40.9	32.6	48.8

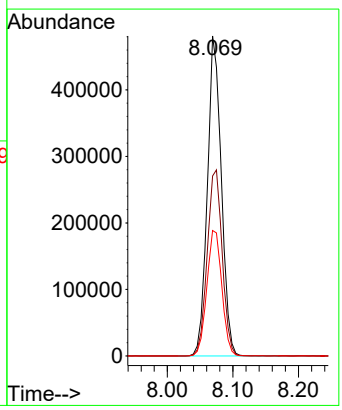


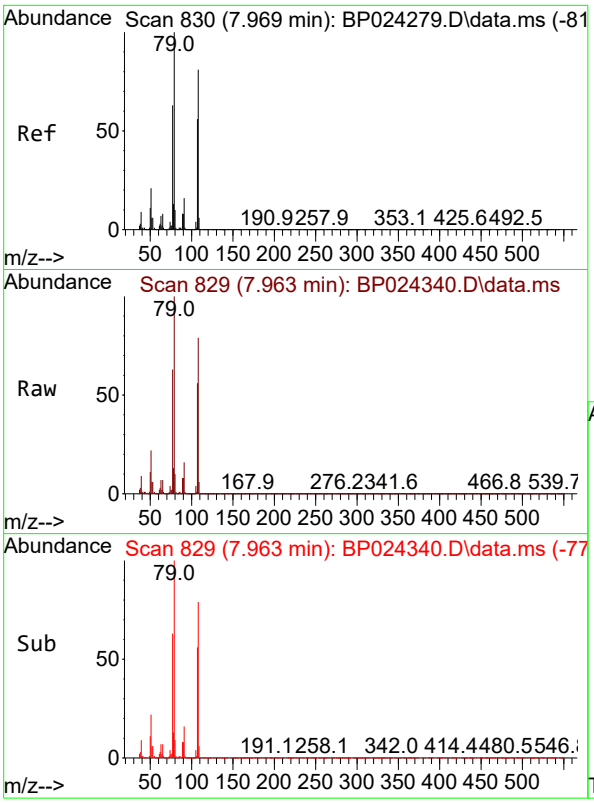


#14
1,2-Dichlorobenzene
Concen: 45.437 ng
RT: 8.069 min Scan# 847
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:146 Resp: 712573

Ion	Ratio	Lower	Upper
146	100		
148	56.2	51.0	76.4
111	39.2	33.8	50.8



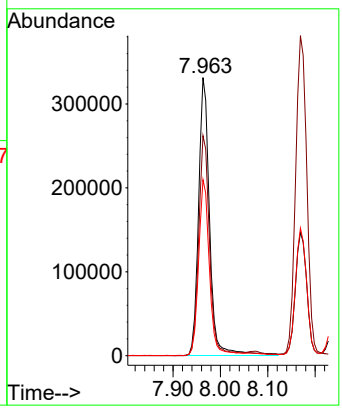


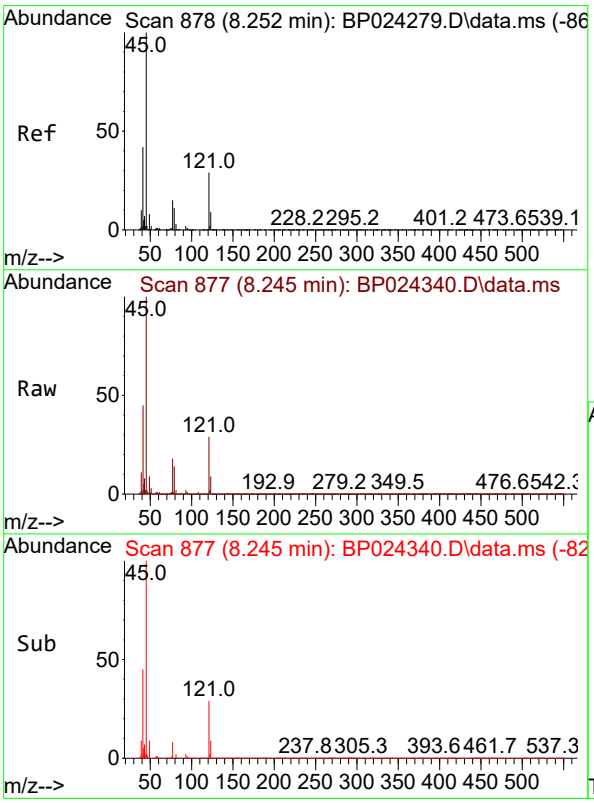
#15
Benzyl Alcohol
Concen: 45.492 ng
RT: 7.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 79 Resp: 536472

Ion	Ratio	Lower	Upper
79	100		
108	79.2	65.1	97.7
77	63.3	50.7	76.1

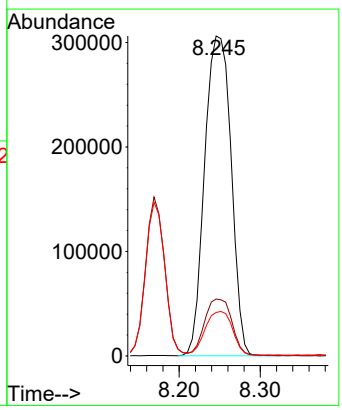


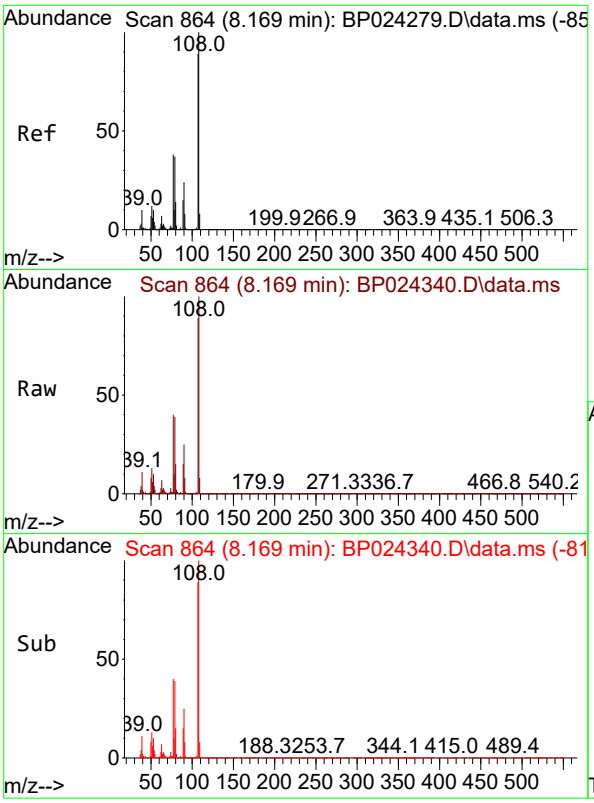


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.524 ng
RT: 8.245 min Scan# 877
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion: 45 Resp: 693369

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.6	0.0	33.5



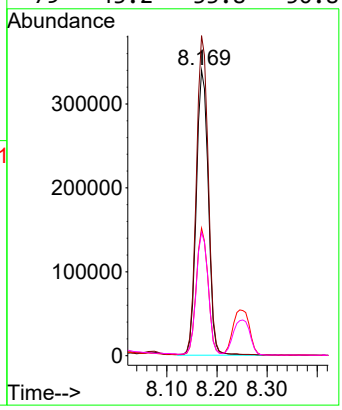


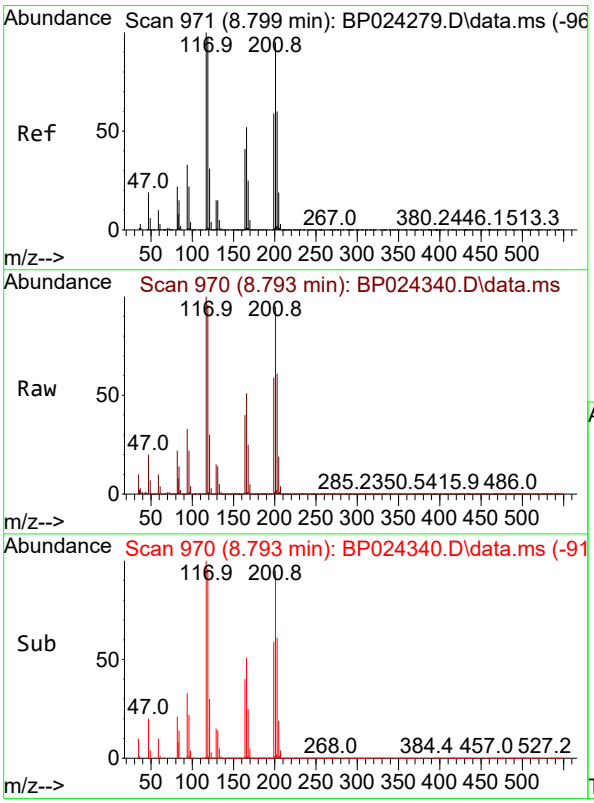
#17
2-Methylphenol
Concen: 47.699 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:107 Resp: 564447

Ion	Ratio	Lower	Upper
107	100		
108	112.1	89.8	134.6
77	44.7	34.2	51.4
79	43.2	33.8	50.8

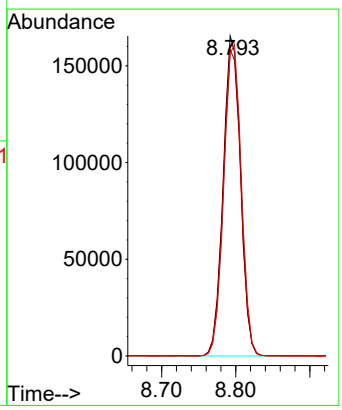


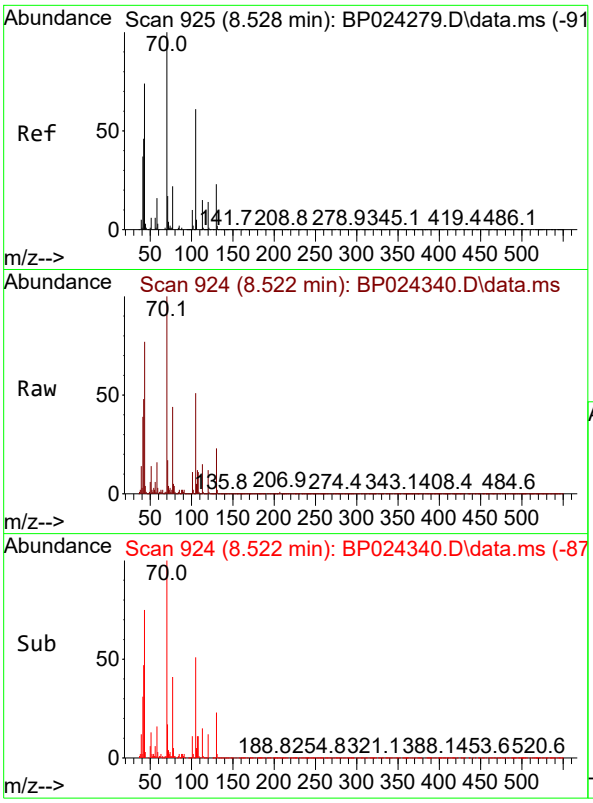


#18
Hexachloroethane
Concen: 46.009 ng
RT: 8.793 min Scan# 970
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:117 Resp: 270048

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.8	116.6
201	94.5	75.9	113.9



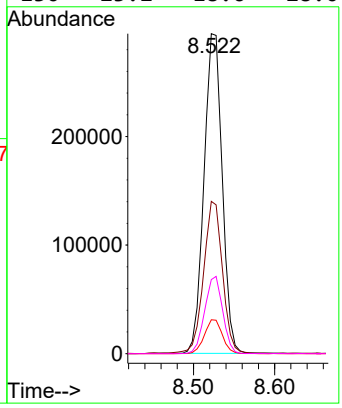


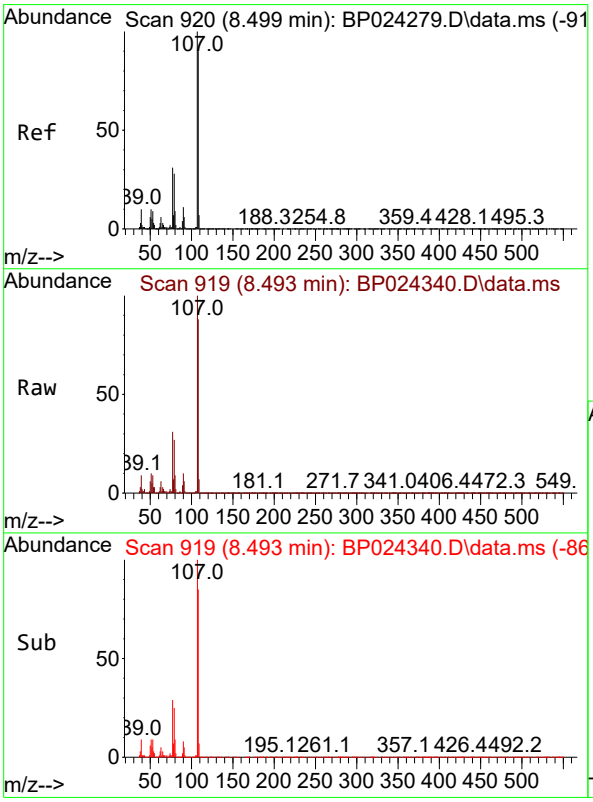
#19
n-Nitroso-di-n-propylamine
Concen: 40.632 ng
RT: 8.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 70 Resp: 458386

Ion	Ratio	Lower	Upper
70	100		
42	47.6	37.3	55.9
101	10.6	8.2	12.4
130	23.2	18.6	28.0

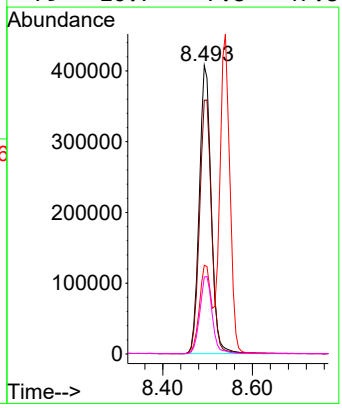


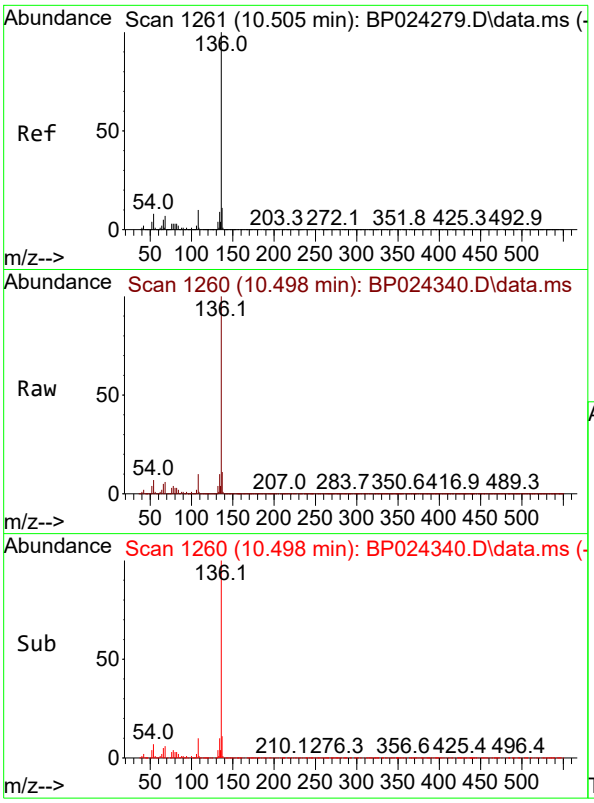


#20
3+4-Methylphenols
Concen: 45.682 ng
RT: 8.493 min Scan# 919
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:107 Resp: 750083

Ion	Ratio	Lower	Upper
107	100		
108	87.9	69.8	109.8
77	30.8	11.5	51.5
79	26.7	7.8	47.8



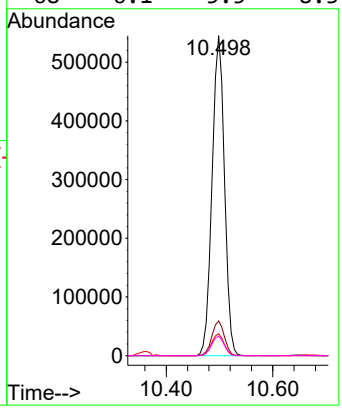


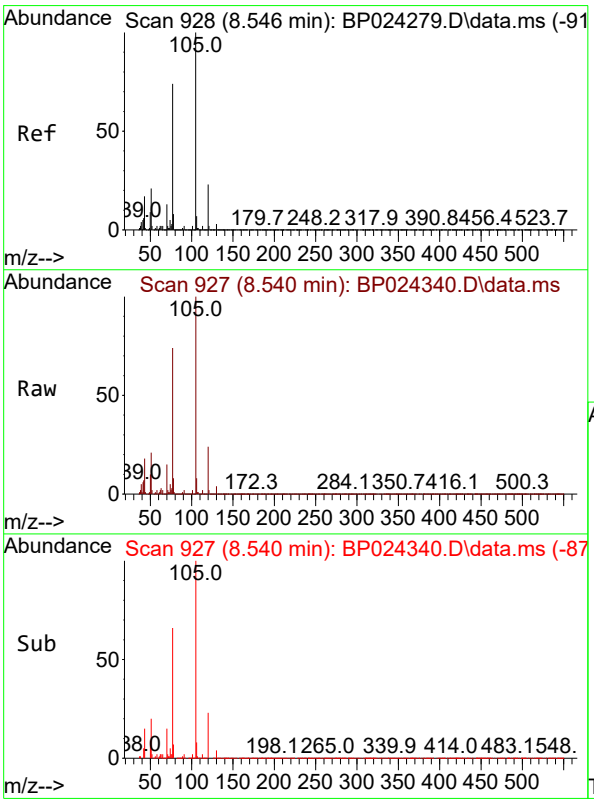
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:136 Resp: 880701

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	6.9	6.0	9.0
68	6.1	5.5	8.3

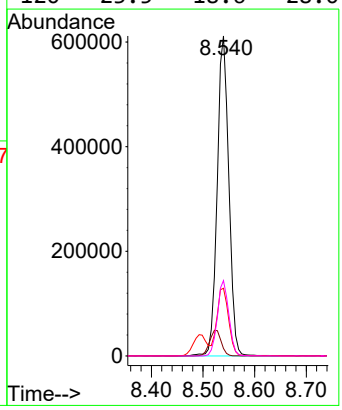


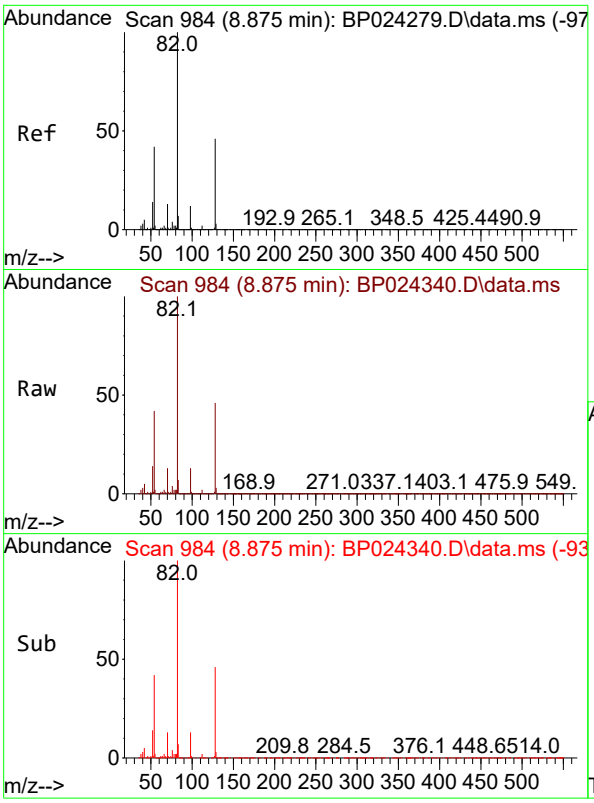


#22
Acetophenone
Concen: 43.828 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:105 Resp: 955365

Ion	Ratio	Lower	Upper
105	100		
71	2.4	1.7	2.5
51	21.2	16.9	25.3
120	23.5	18.6	28.0



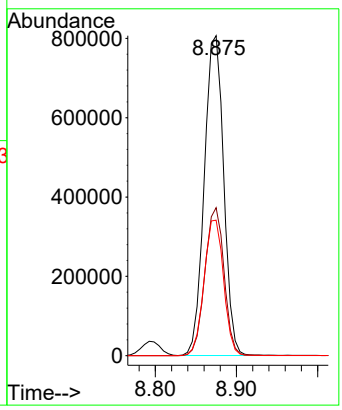


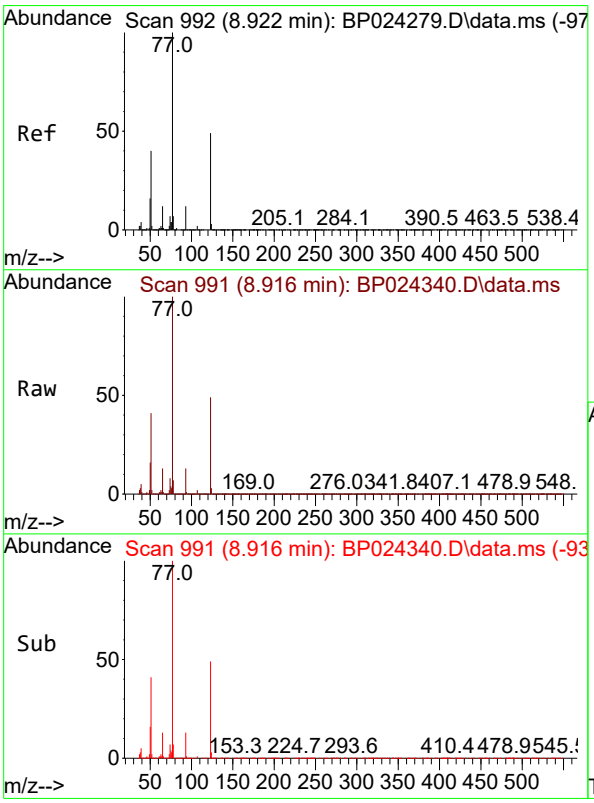
#23
Nitrobenzene-d5
Concen: 86.665 ng
RT: 8.875 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 82 Resp: 1338548

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.5	54.7
54	42.3	33.4	50.2

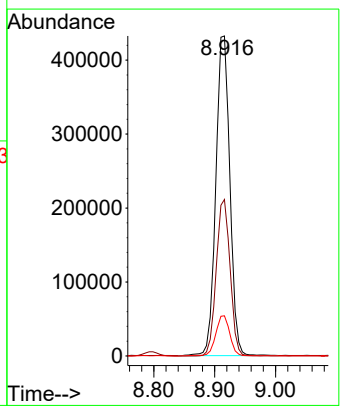


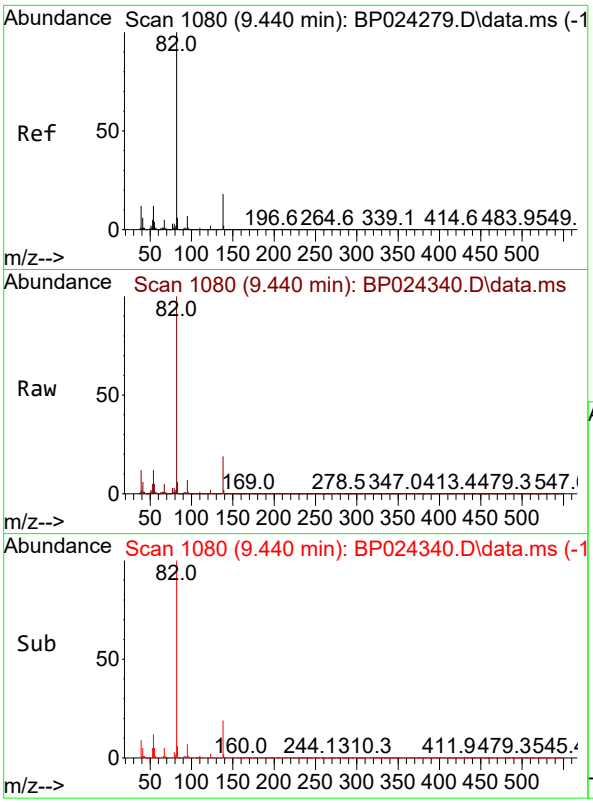


#24
Nitrobenzene
Concen: 45.181 ng
RT: 8.916 min Scan# 991
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion: 77 Resp: 690334

Ion	Ratio	Lower	Upper
77	100		
123	48.9	39.2	58.8
65	12.5	9.8	14.6



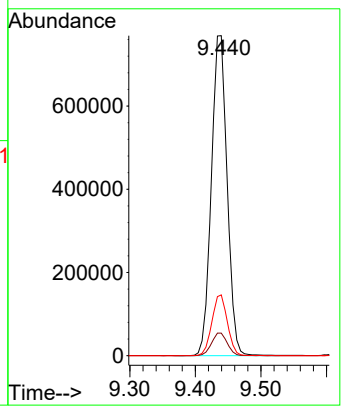


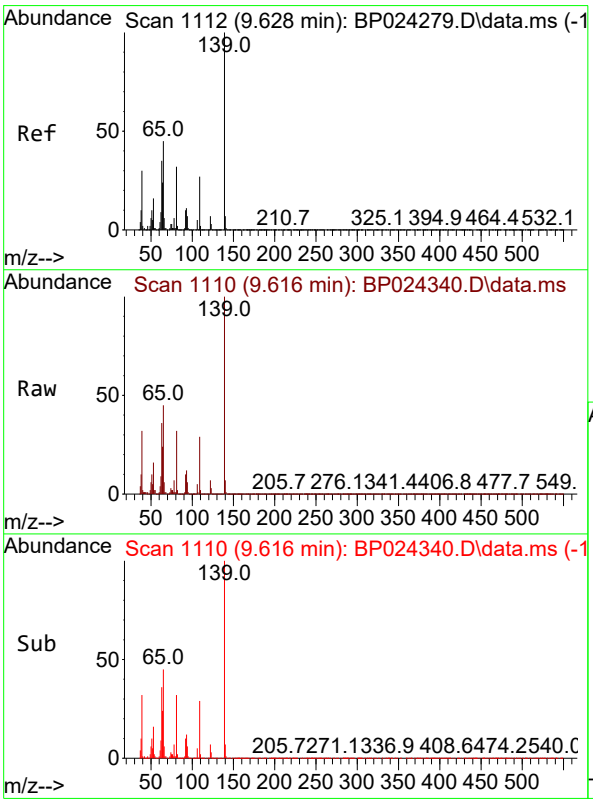
#25
Isophorone
Concen: 45.913 ng
RT: 9.440 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 82 Resp: 1283590

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	19.0	14.4	21.6

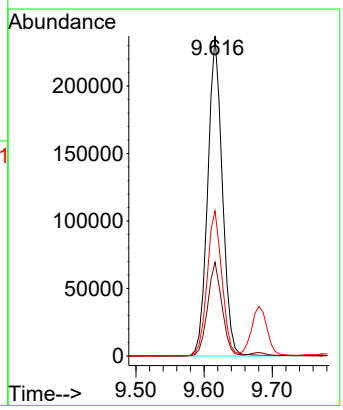


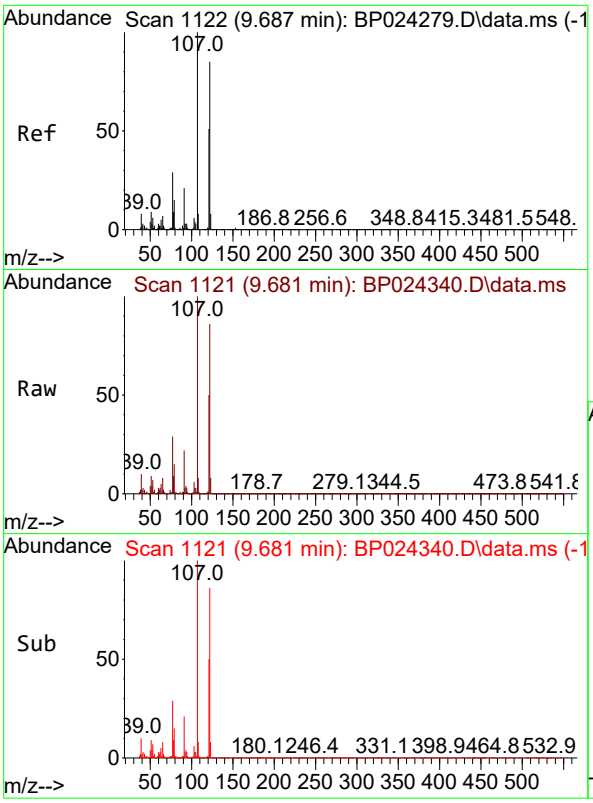


#26
2-Nitrophenol
Concen: 47.139 ng
RT: 9.616 min Scan# 1110
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:139 Resp: 352469

Ion	Ratio	Lower	Upper
139	100		
109	29.3	21.8	32.6
65	45.3	36.2	54.2



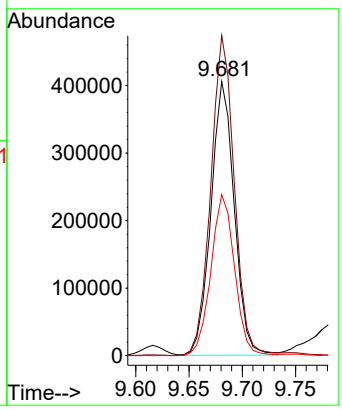


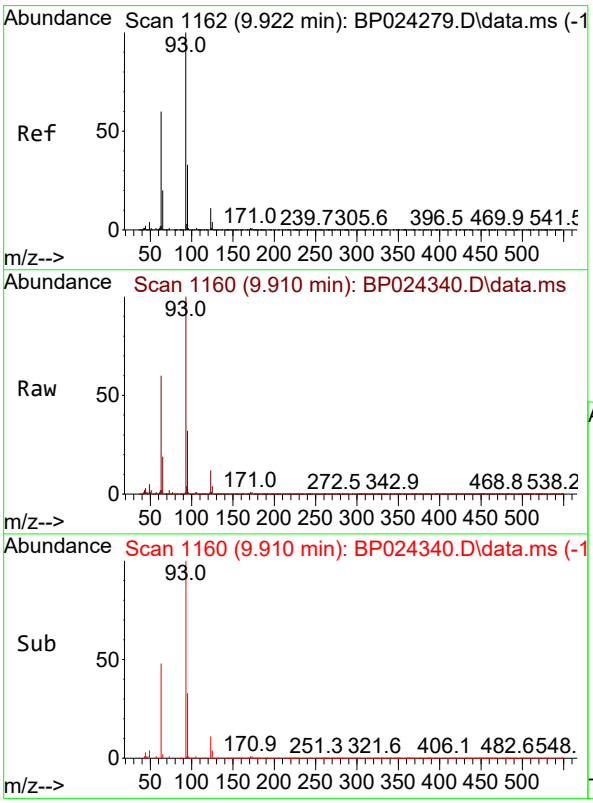
#27
2,4-Dimethylphenol
Concen: 65.890 ng
RT: 9.681 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:122 Resp: 618618

Ion	Ratio	Lower	Upper
122	100		
107	116.7	93.7	140.5
121	58.8	48.2	72.2

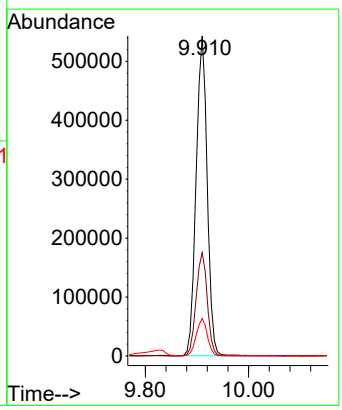


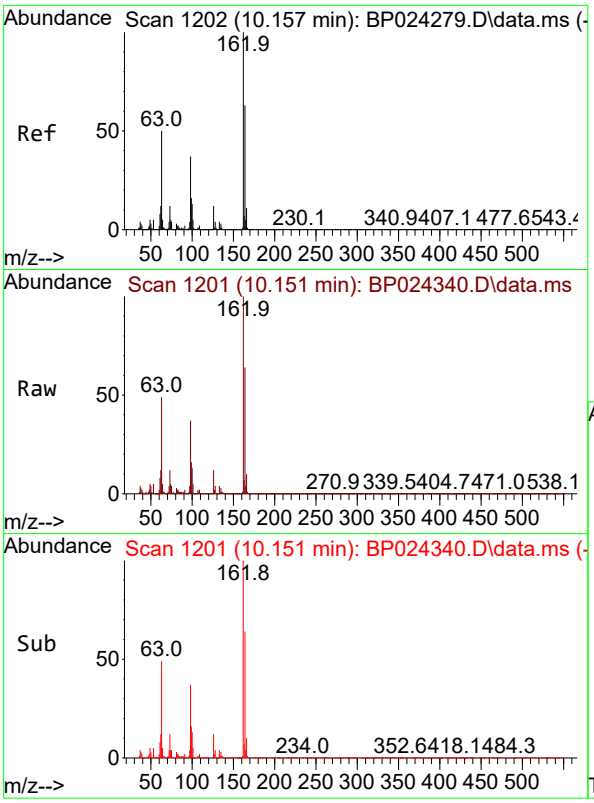


#28
bis(2-Chloroethoxy)methane
Concen: 42.841 ng
RT: 9.910 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion: 93 Resp: 809084

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.1	13.7



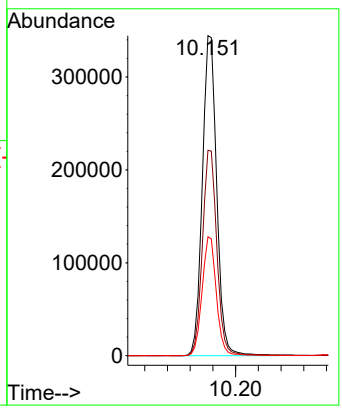


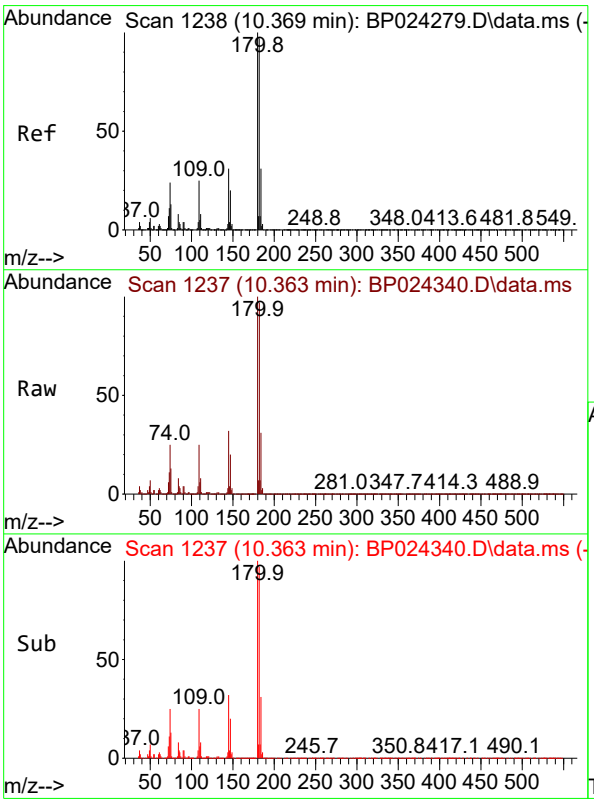
#29
2,4-Dichlorophenol
Concen: 47.235 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:162 Resp: 604676

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.3	83.3
98	37.1	16.6	56.6

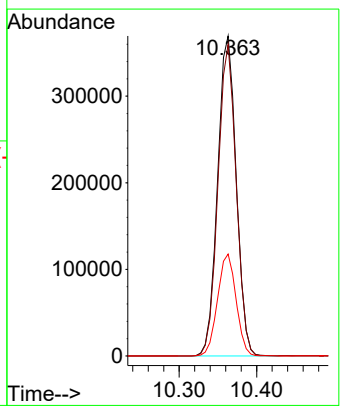


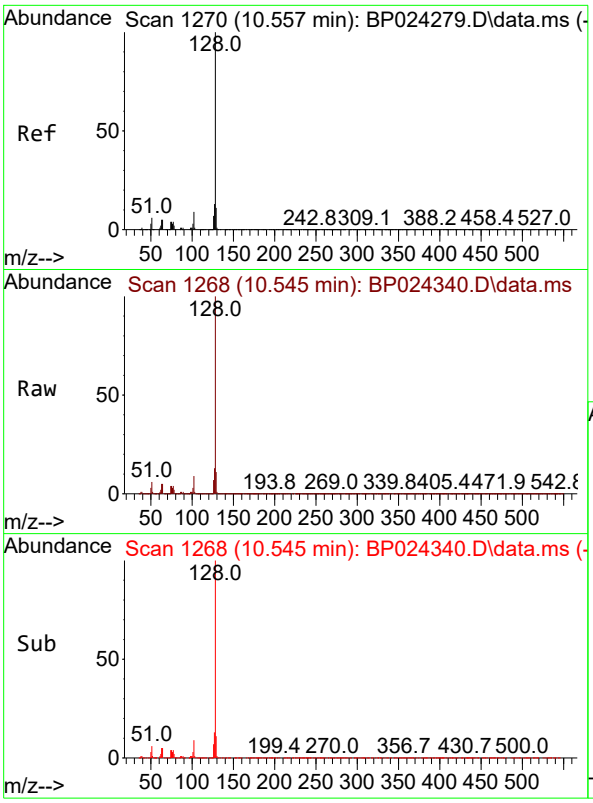


#30
1,2,4-Trichlorobenzene
Concen: 44.959 ng
RT: 10.363 min Scan# 1237
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:180 Resp: 616636

Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.3	115.9
145	31.8	25.1	37.7



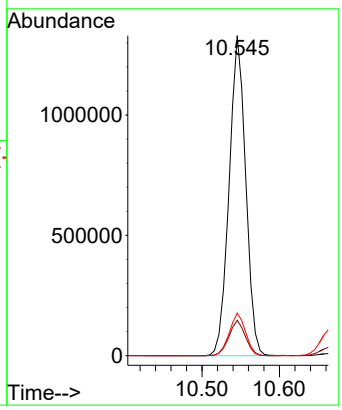


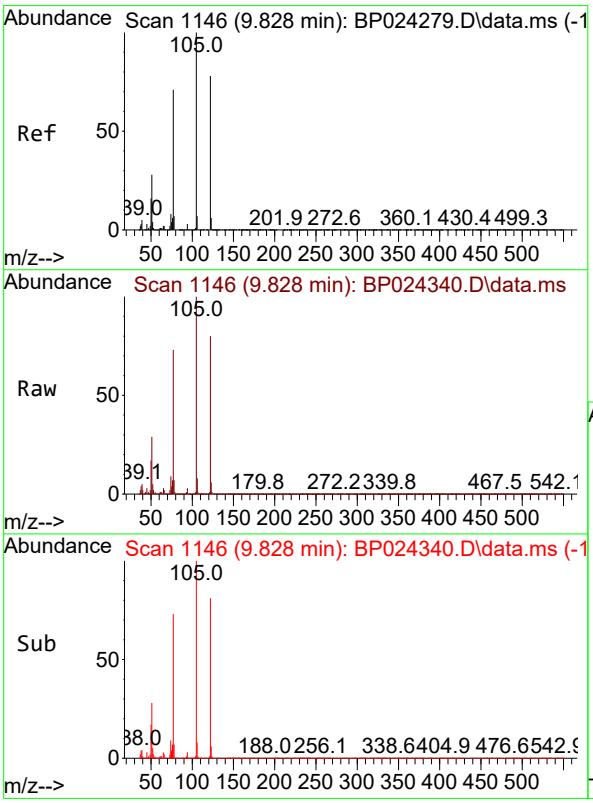
#31
Naphthalene
Concen: 42.643 ng
RT: 10.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:128 Resp: 1978305

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.3	10.3	15.5

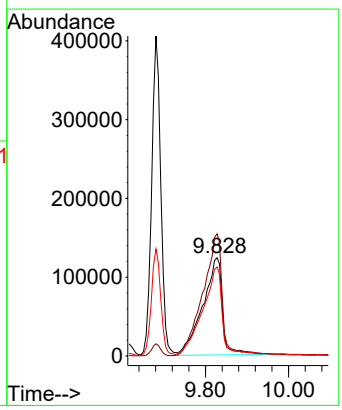


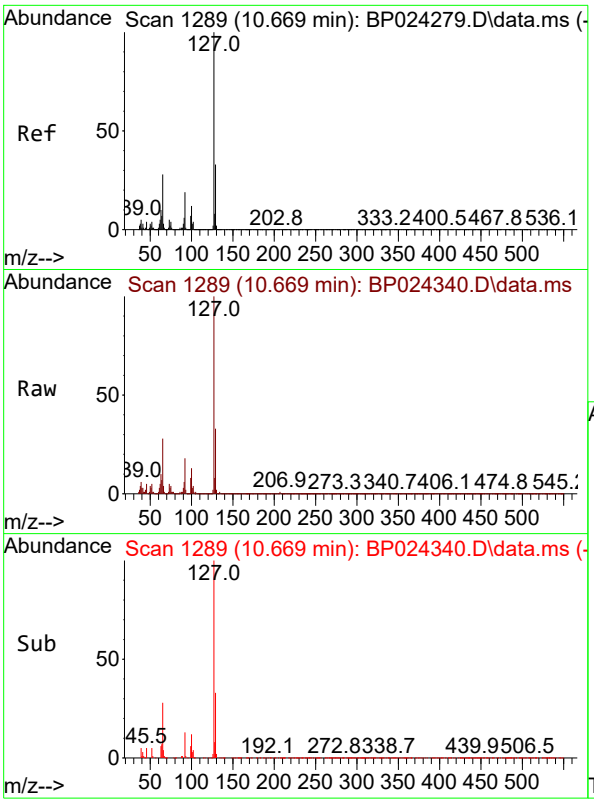


#32
Benzoic acid
Concen: 37.093 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:122 Resp: 405788

Ion	Ratio	Lower	Upper
122	100		
105	124.3	104.8	144.8
77	90.6	69.2	109.2



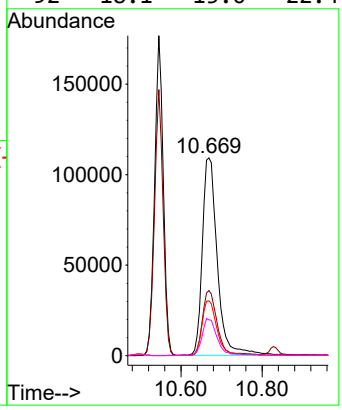


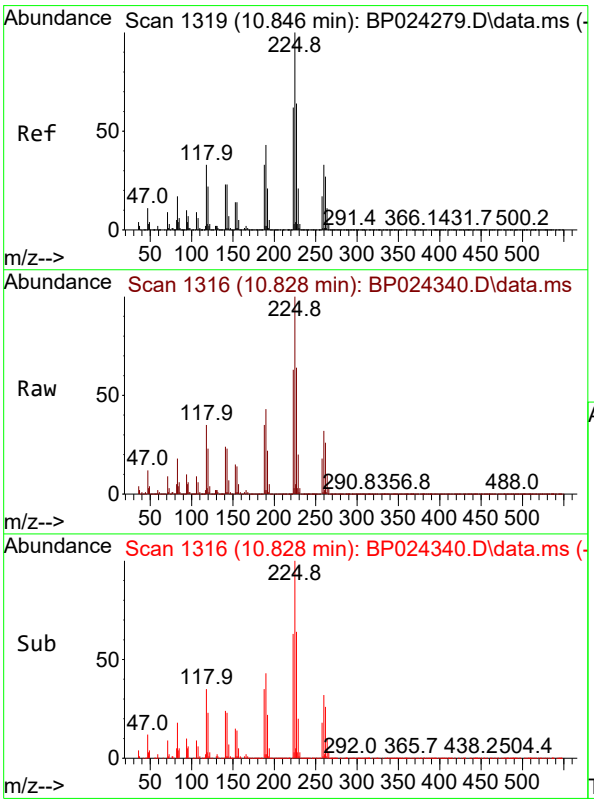
#33
4-Chloroaniline
Concen: 17.176 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:127 Resp: 280611

Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.1	39.1
65	27.8	22.1	33.1
92	18.1	15.0	22.4

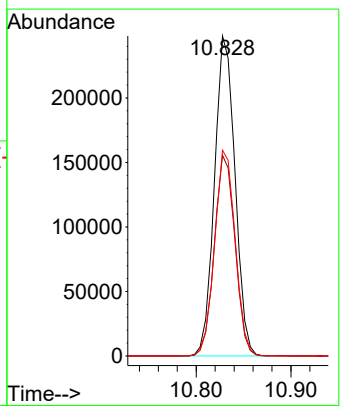


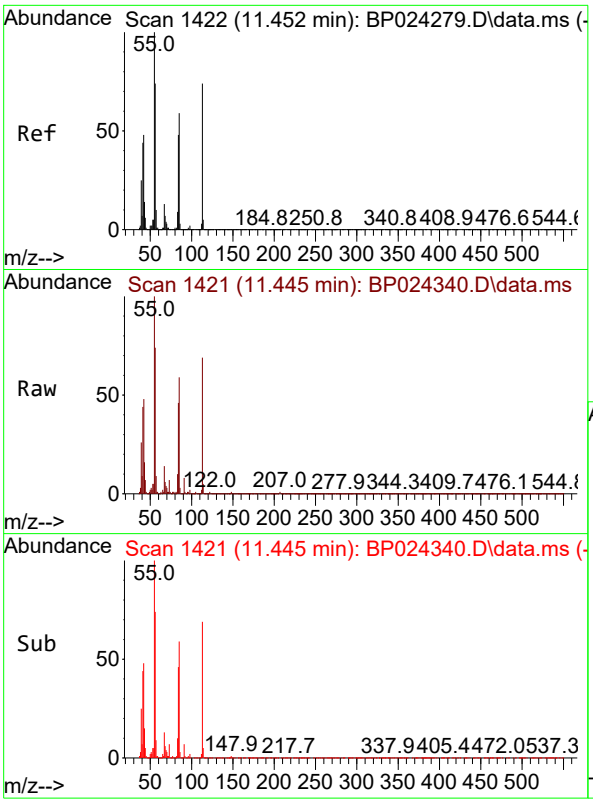


#34
Hexachlorobutadiene
Concen: 46.296 ng
RT: 10.828 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:225 Resp: 373132

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.5	74.3
227	64.3	50.9	76.3



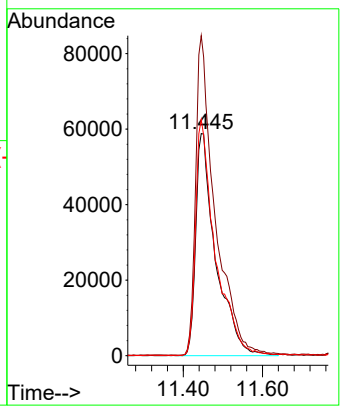


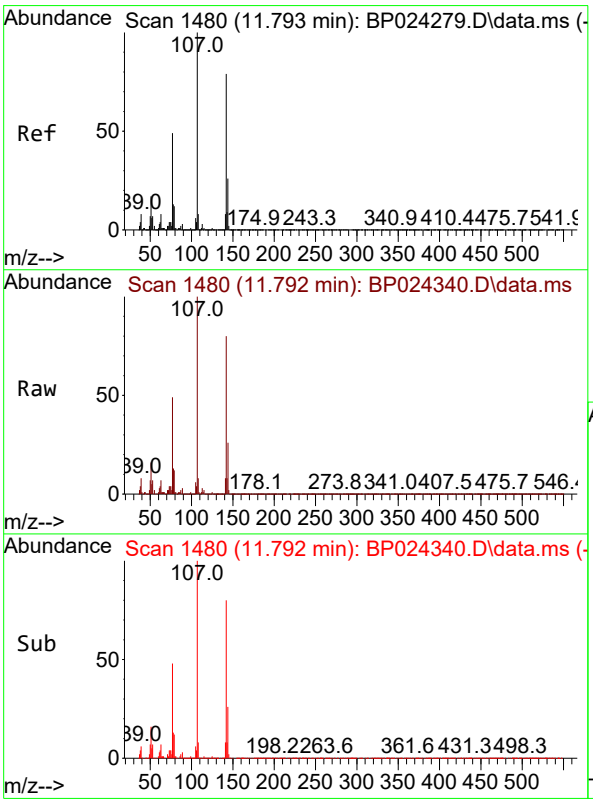
#35
Caprolactam
Concen: 43.585 ng
RT: 11.445 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:113 Resp: 205873

Ion	Ratio	Lower	Upper
113	100		
55	144.1	115.9	155.9
56	106.4	81.1	121.1

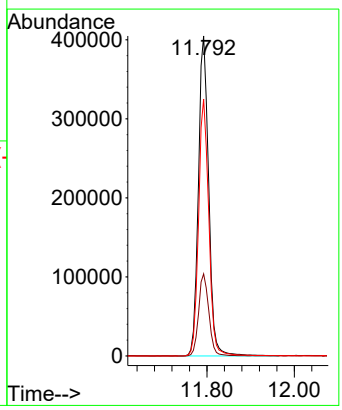


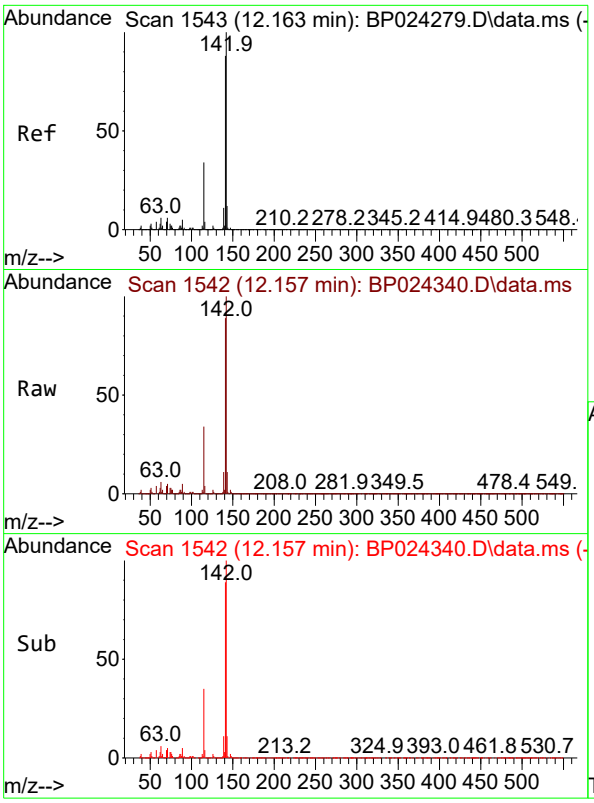


#36
4-Chloro-3-methylphenol
Concen: 44.502 ng
RT: 11.792 min Scan# 1480
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:107 Resp: 663548

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.5	30.7
142	80.3	63.4	95.2



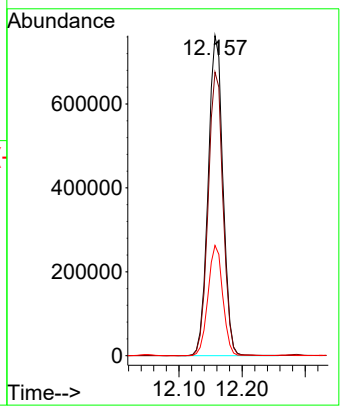


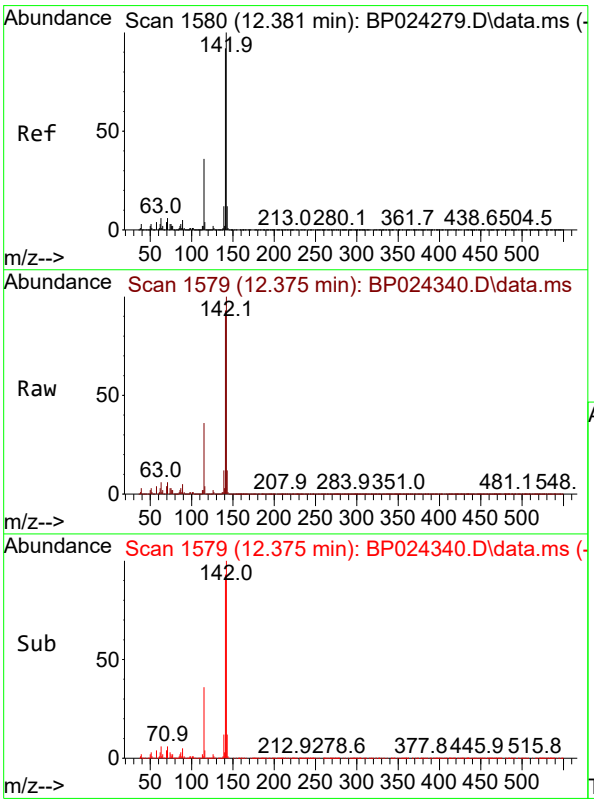
#37
2-Methylnaphthalene
Concen: 38.463 ng
RT: 12.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:142 Resp: 1237491

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.3	105.5
115	34.5	26.9	40.3

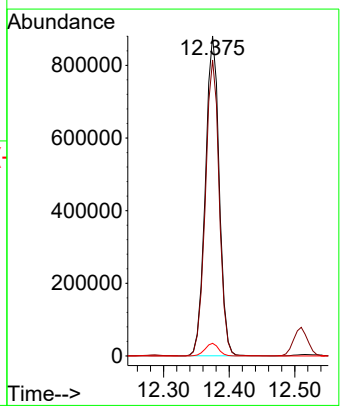


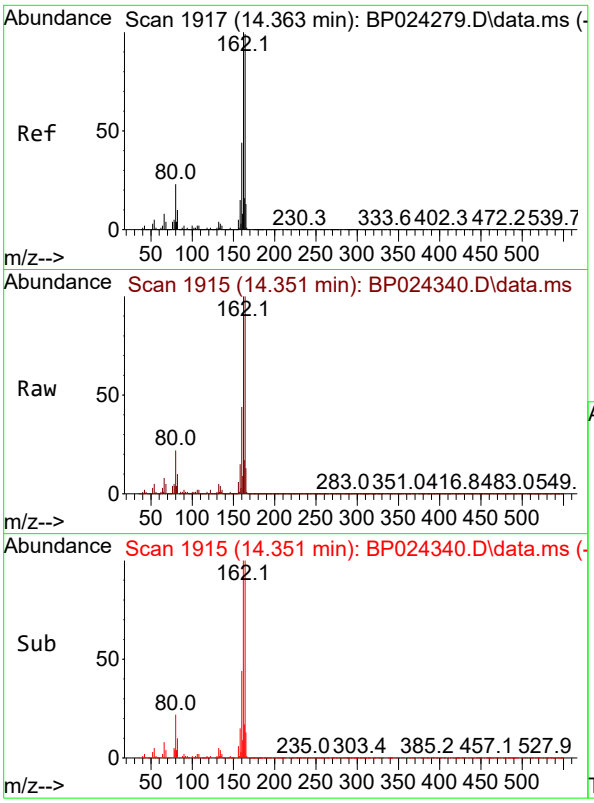


#38
1-Methylnaphthalene
Concen: 41.184 ng
RT: 12.375 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:142 Resp: 1296259

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.6	110.4
116	3.9	3.0	4.6



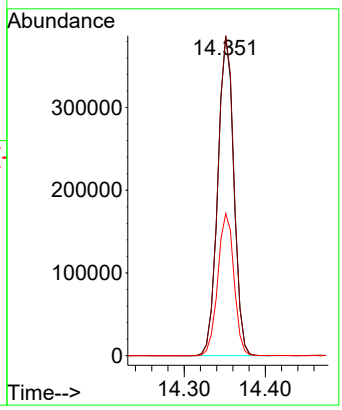


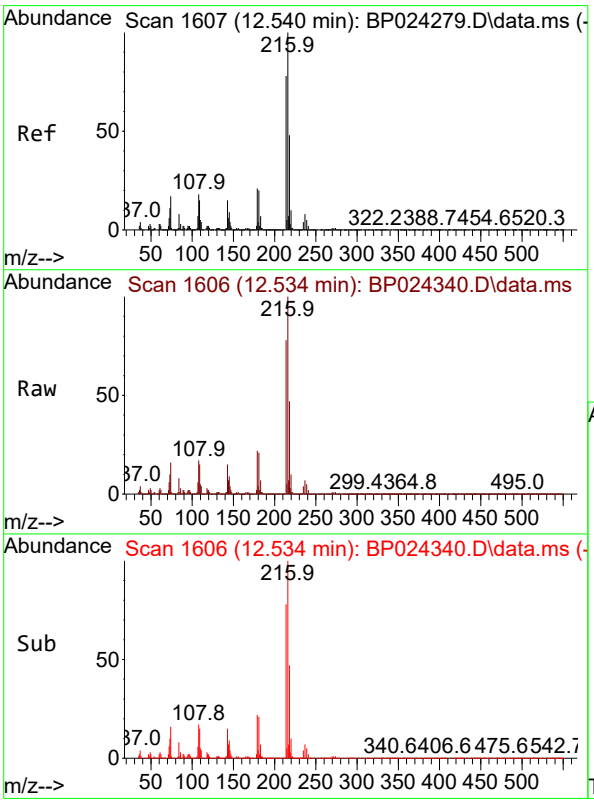
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:164 Resp: 530682

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	44.5	35.3	52.9

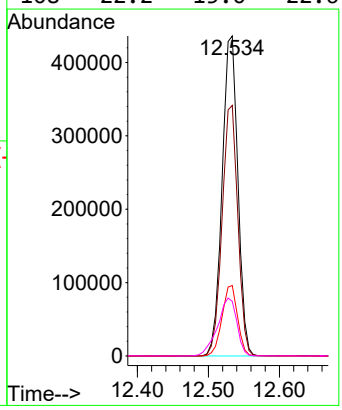


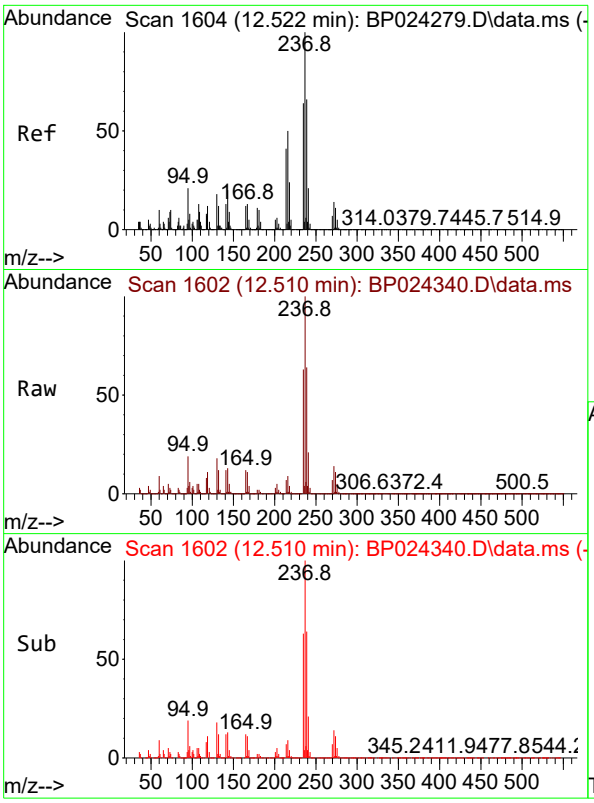


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.868 ng
RT: 12.534 min Scan# 1606
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:216 Resp: 669392

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	93.8
179	21.8	17.2	25.8
108	22.2	15.0	22.6



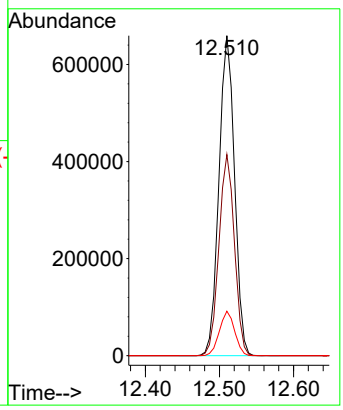


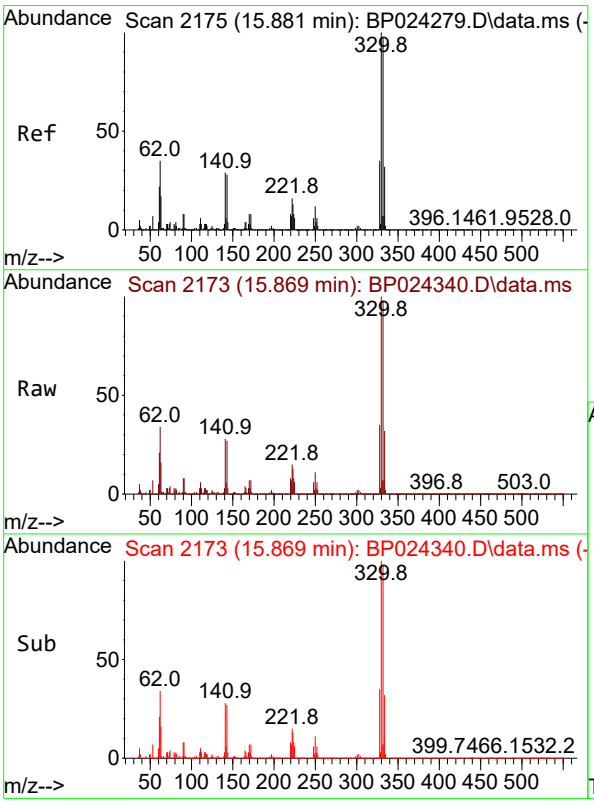
#41
Hexachlorocyclopentadiene
Concen: 186.541 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:237 Resp: 962824

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.9	83.9
272	13.9	0.0	33.6

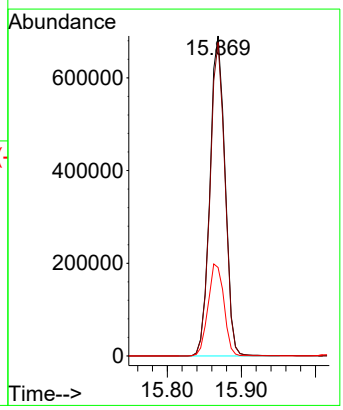


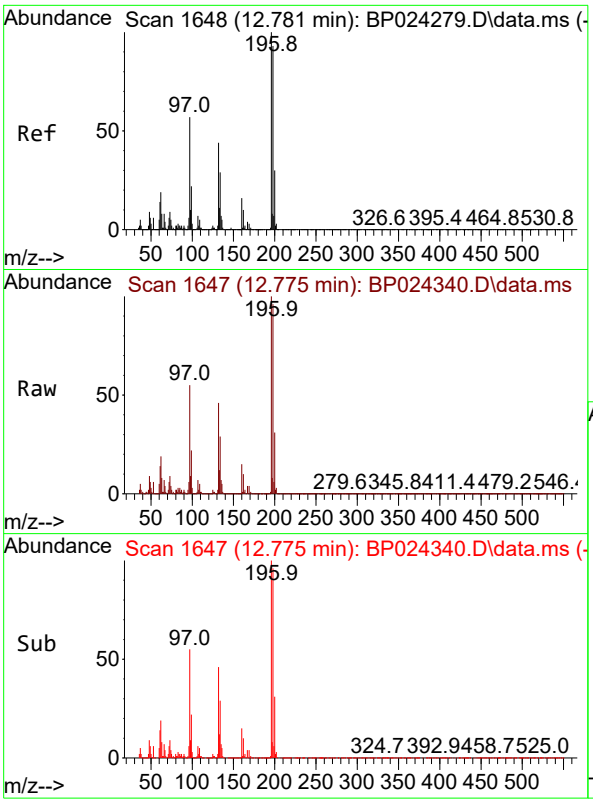


#42
2,4,6-Tribromophenol
Concen: 133.168 ng
RT: 15.869 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:330 Resp: 977752

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	30.2	24.7	37.1



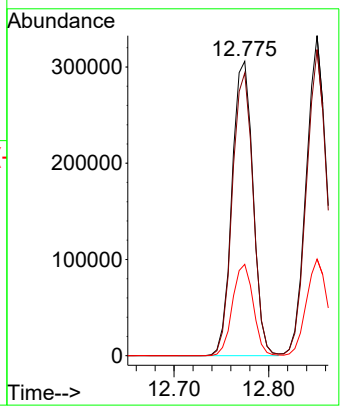


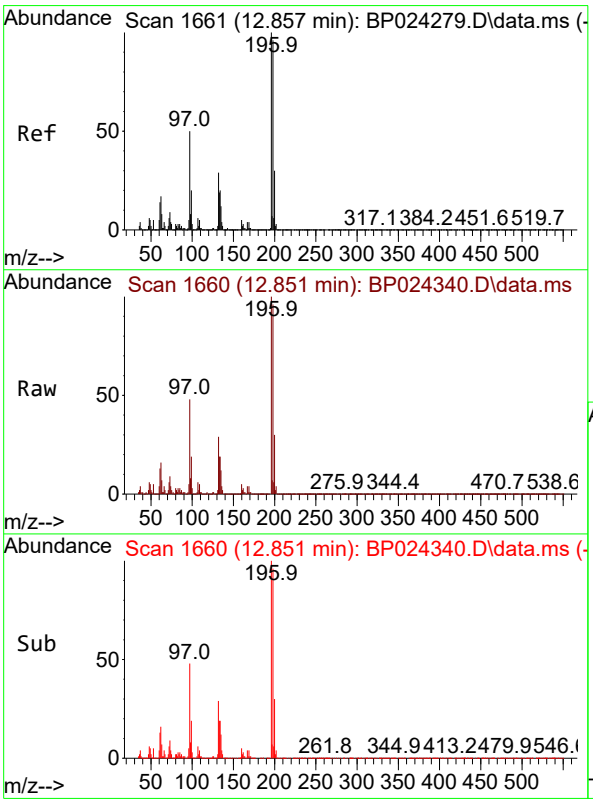
#43
2,4,6-Trichlorophenol
Concen: 48.507 ng
RT: 12.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:196 Resp: 470649

Ion	Ratio	Lower	Upper
196	100		
198	96.0	74.3	111.5
200	31.1	24.0	36.0

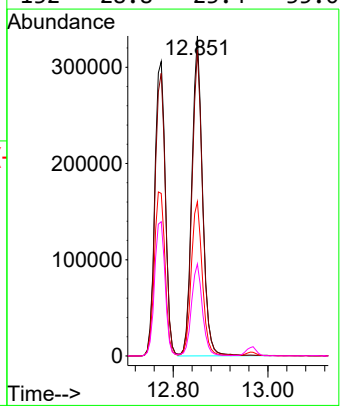


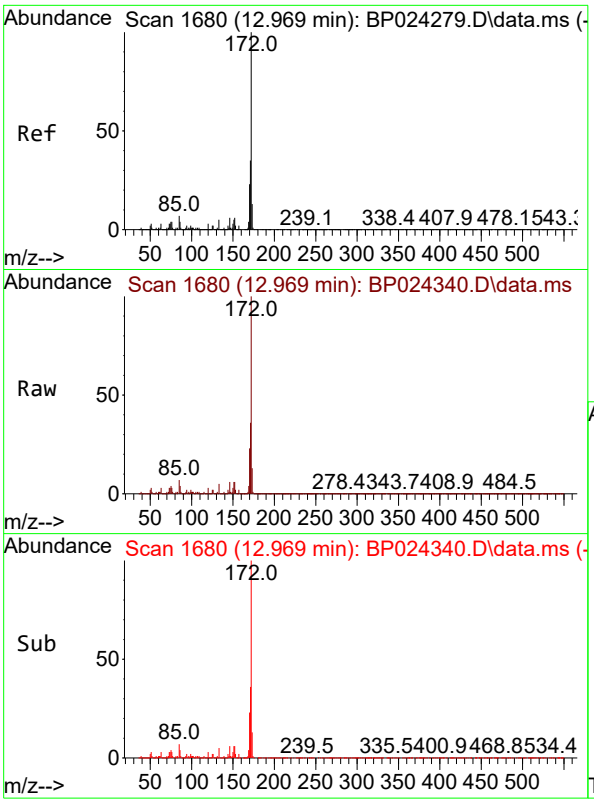


#44
2,4,5-Trichlorophenol
Concen: 48.623 ng
RT: 12.851 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:196 Resp: 522436

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.3	115.9
97	48.2	40.4	60.6
132	28.8	23.4	35.0



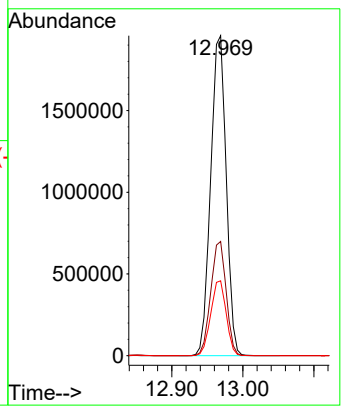


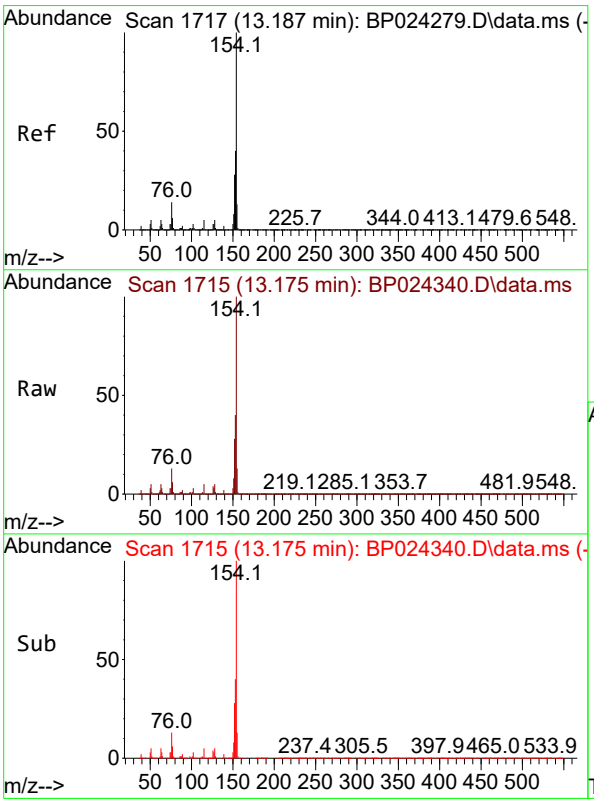
#45
2-Fluorobiphenyl
Concen: 85.705 ng
RT: 12.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:172 Resp: 2970515

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.4	18.6	27.8

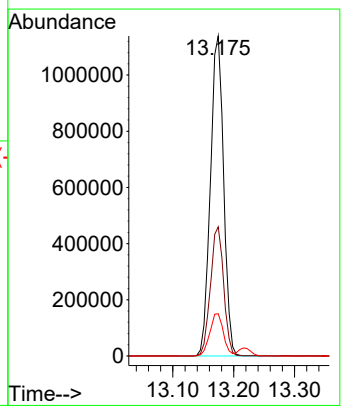


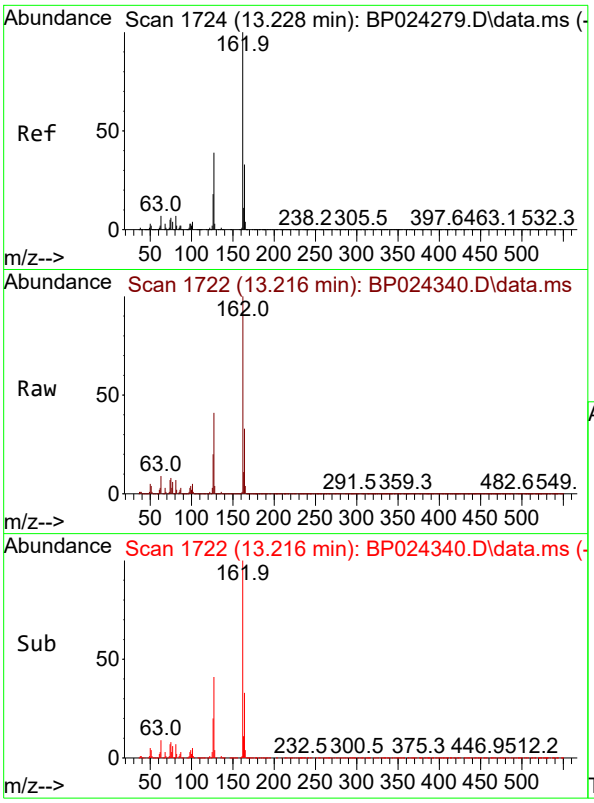


#46
1,1'-Biphenyl
Concen: 44.045 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:154 Resp: 1718087

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	13.2	0.0	33.5



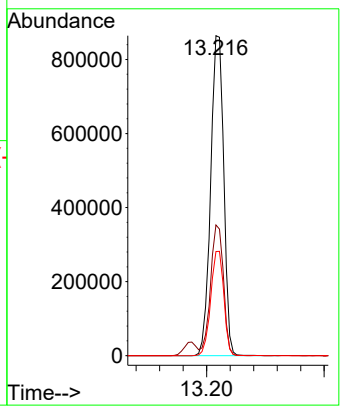


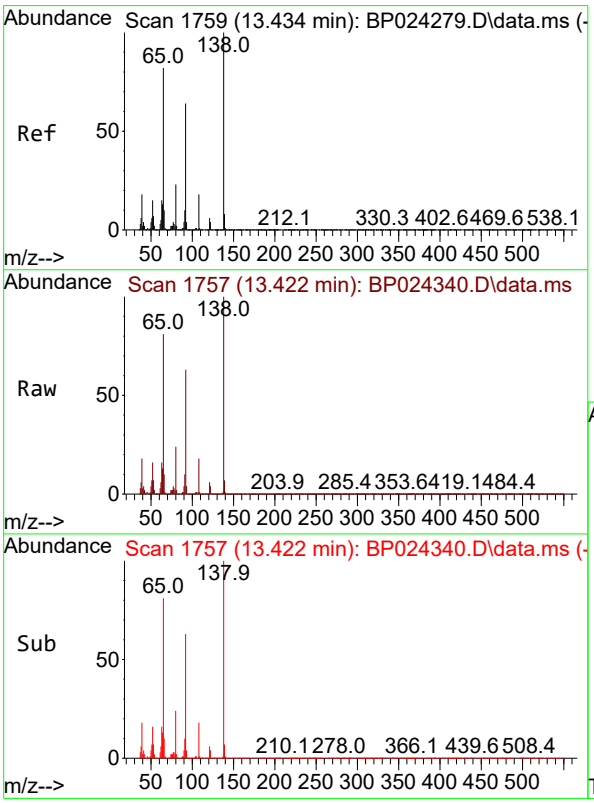
#47
2-Chloronaphthalene
Concen: 45.695 ng
RT: 13.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:162 Resp: 1332204

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.6	26.2	39.4

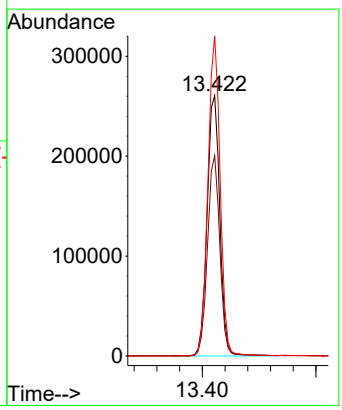


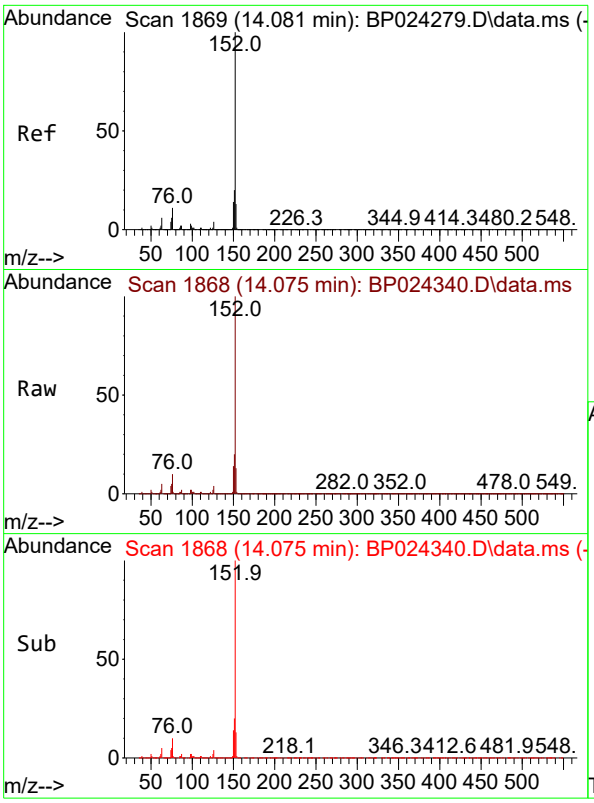


#48
2-Nitroaniline
Concen: 49.223 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion: 65 Resp: 402533

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	122.9	97.2	145.8



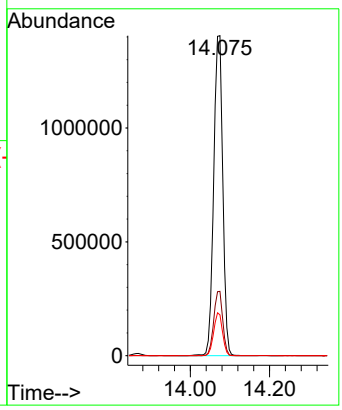


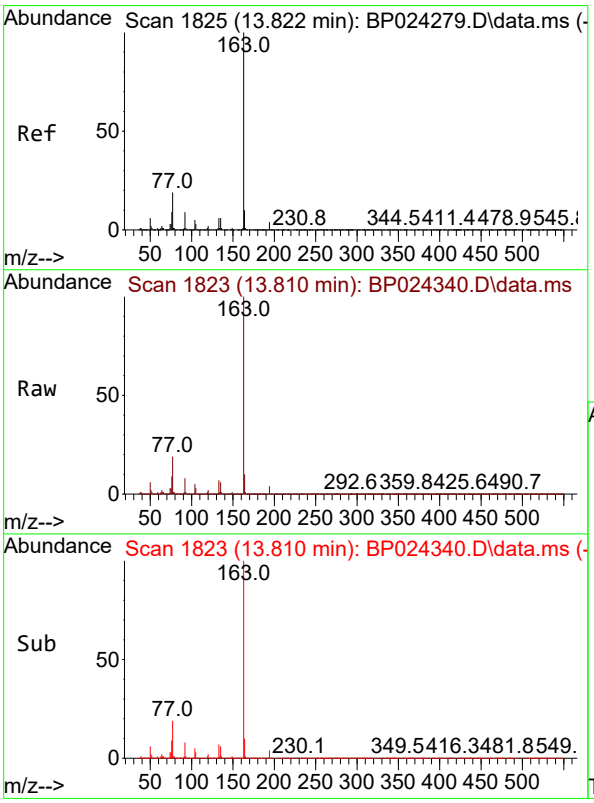
#49
Acenaphthylene
Concen: 48.526 ng
RT: 14.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:152 Resp: 2227375

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.7	10.6	15.8

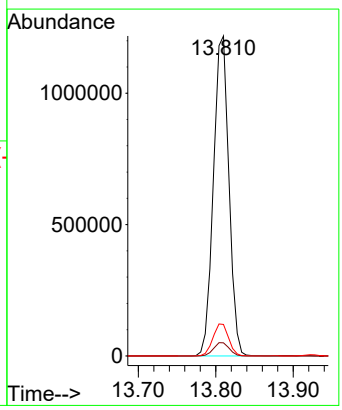


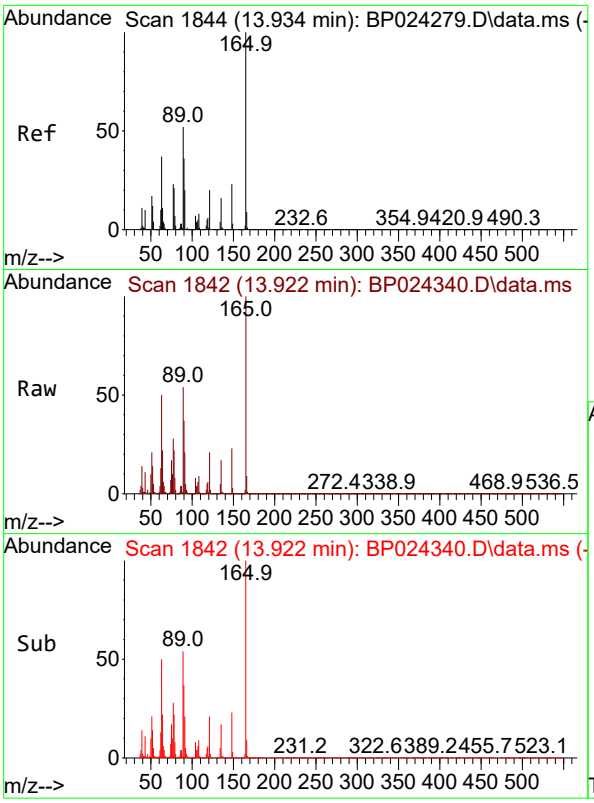


#50
Dimethylphthalate
Concen: 43.797 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:163 Resp: 1690213

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.8	8.0	12.0



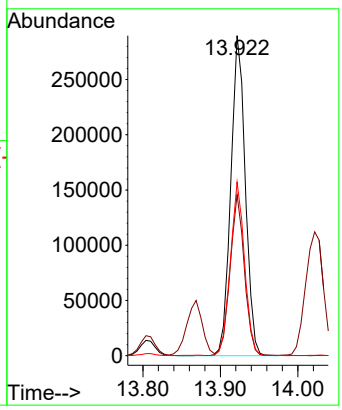


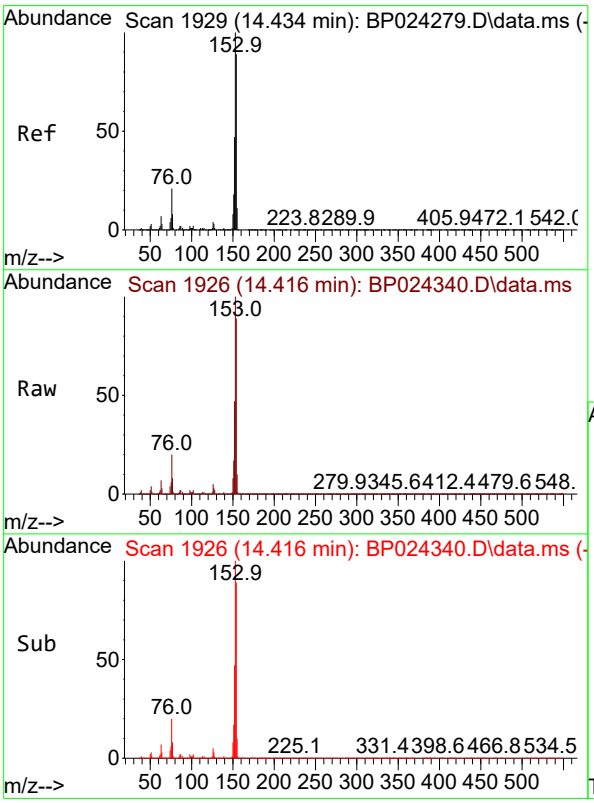
#51
2,6-Dinitrotoluene
Concen: 46.138 ng
RT: 13.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:165 Resp: 378097

Ion	Ratio	Lower	Upper
165	100		
63	50.3	38.0	57.0
89	54.3	41.7	62.5

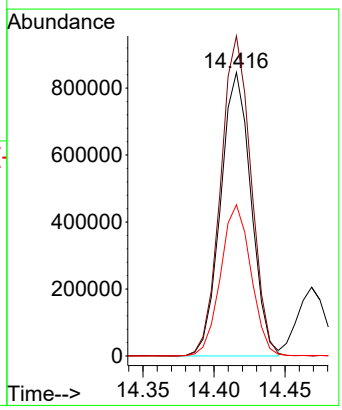


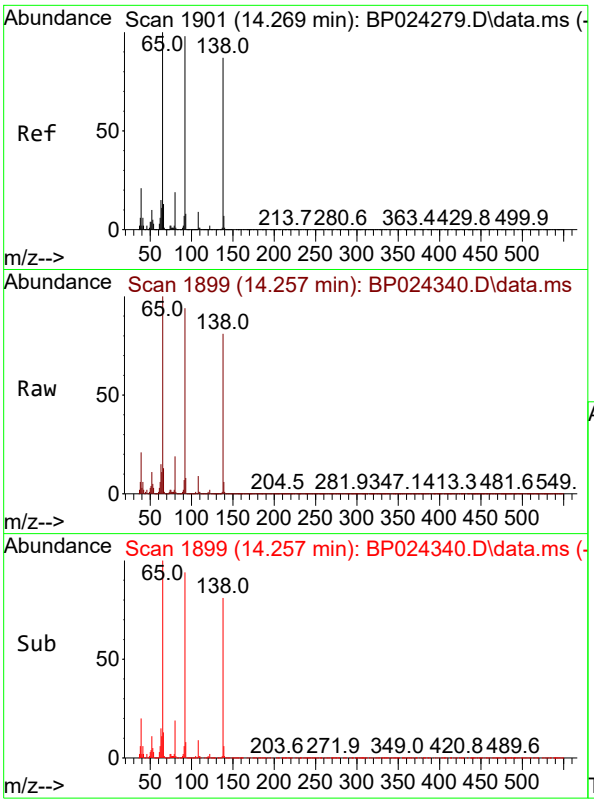


#52
Acenaphthene
Concen: 43.270 ng
RT: 14.416 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:154 Resp: 1259133

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.8	134.6
152	53.4	42.6	63.8



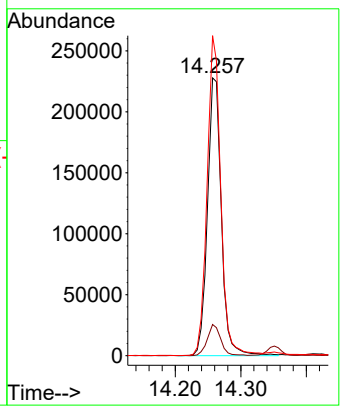


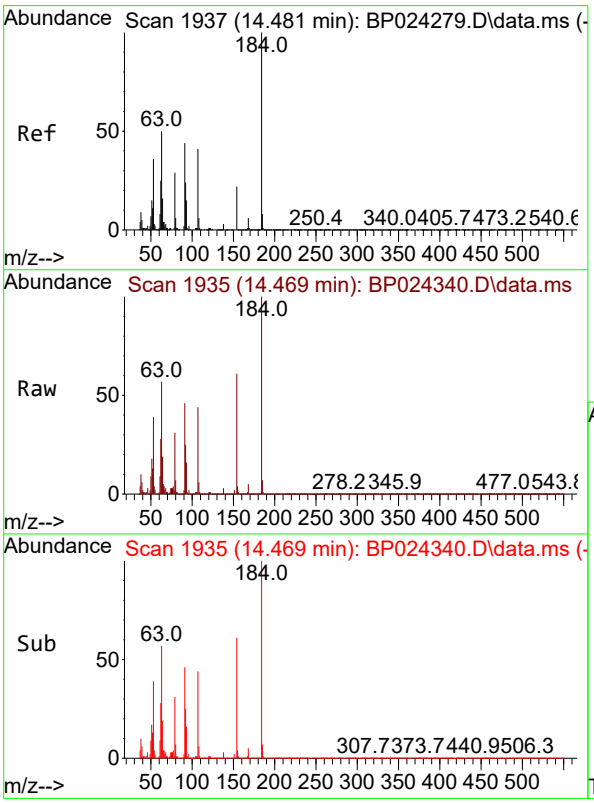
#53
3-Nitroaniline
Concen: 39.055 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:138 Resp: 336382

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.3	12.5
92	115.2	89.8	134.8

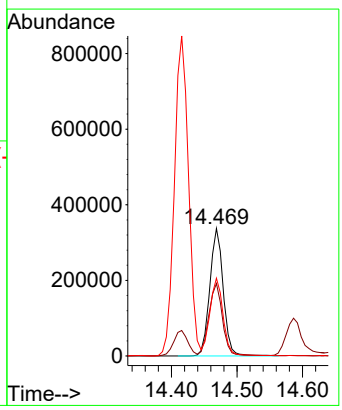


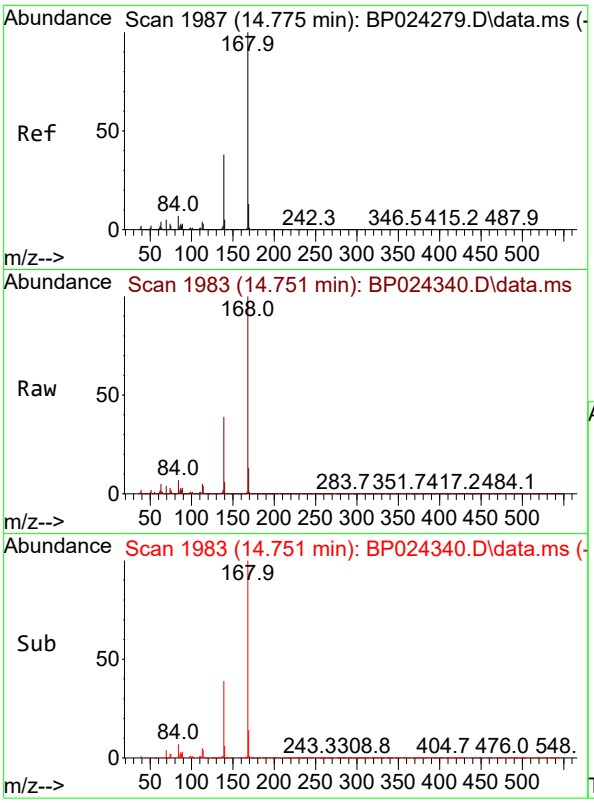


#54
2,4-Dinitrophenol
Concen: 99.667 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:184 Resp: 481115

Ion	Ratio	Lower	Upper
184	100		
63	56.8	42.6	64.0
154	61.0	47.2	70.8



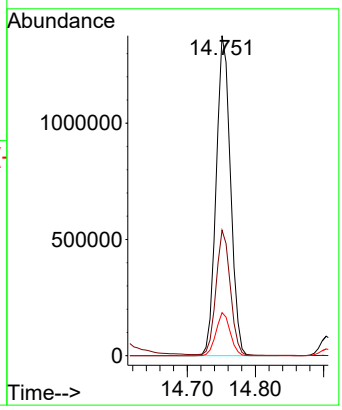


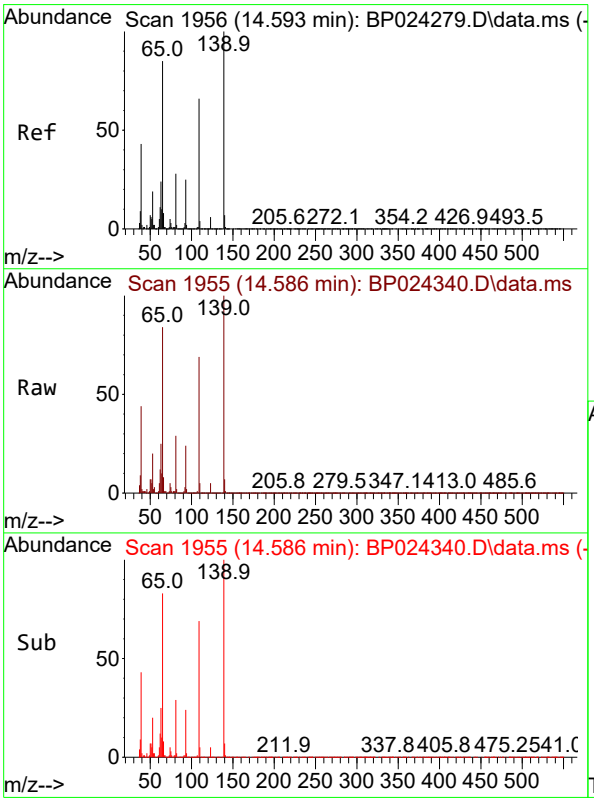
#55
Dibenzofuran
Concen: 42.350 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:168 Resp: 2014421

Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.3	45.5
169	13.5	10.6	16.0

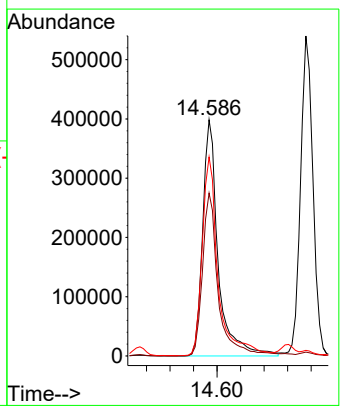


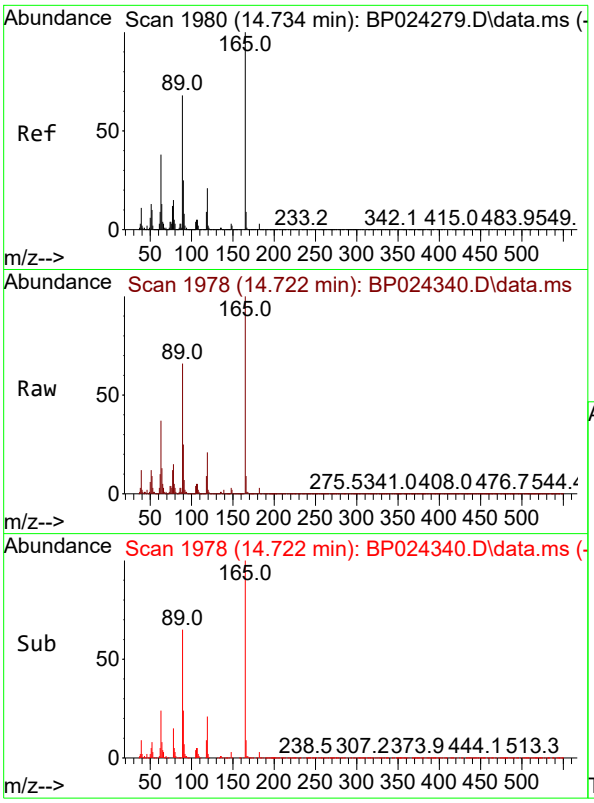


#56
4-Nitrophenol
Concen: 98.578 ng
RT: 14.586 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:139 Resp: 733290

Ion	Ratio	Lower	Upper
139	100		
109	69.0	46.1	86.1
65	84.3	65.0	105.0



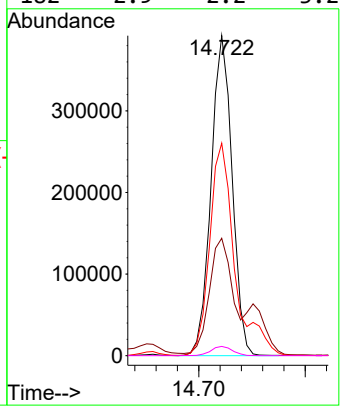


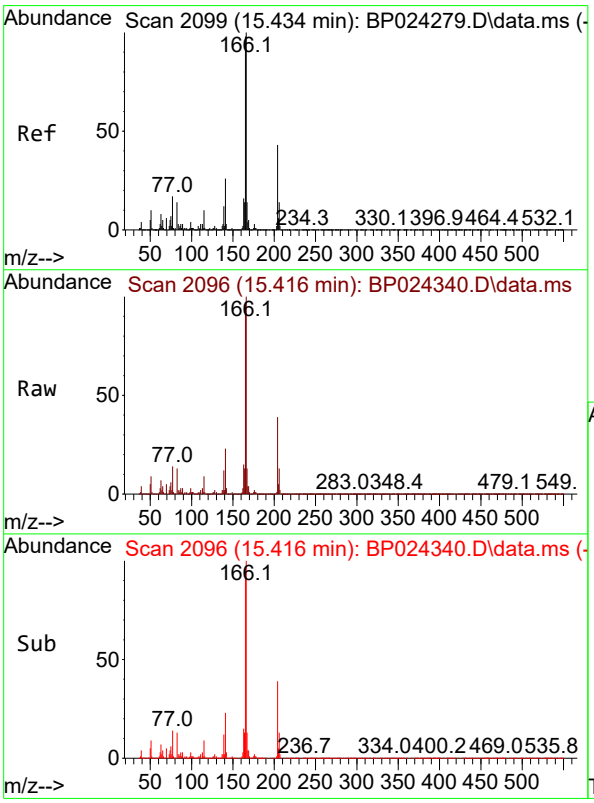
#57
2,4-Dinitrotoluene
Concen: 48.159 ng
RT: 14.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:165 Resp: 538364

Ion	Ratio	Lower	Upper
165	100		
63	36.7	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

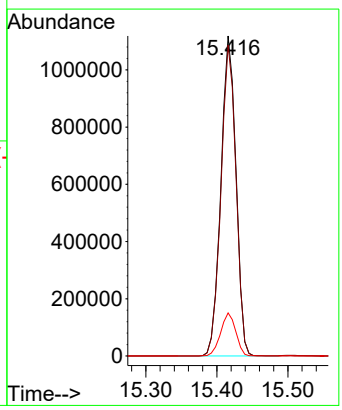


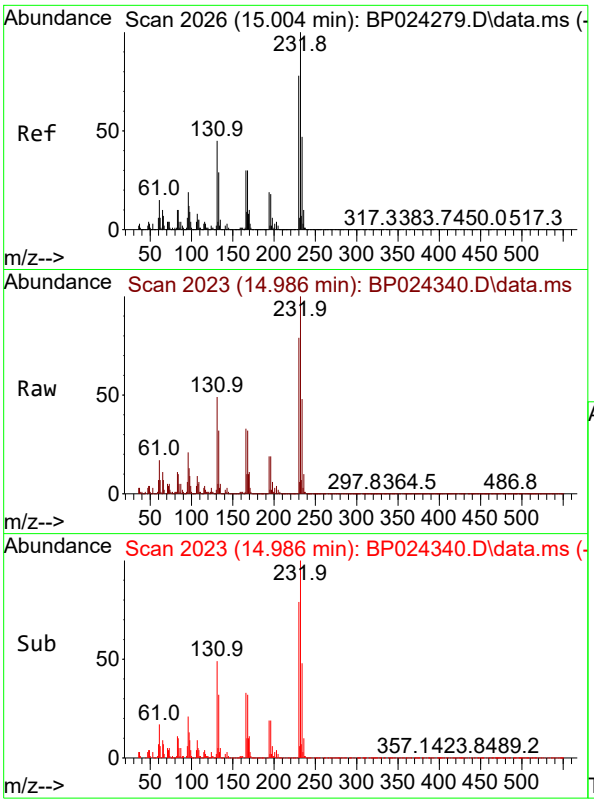


#58
Fluorene
Concen: 44.561 ng
RT: 15.416 min Scan# 2096
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:166 Resp: 1640808

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



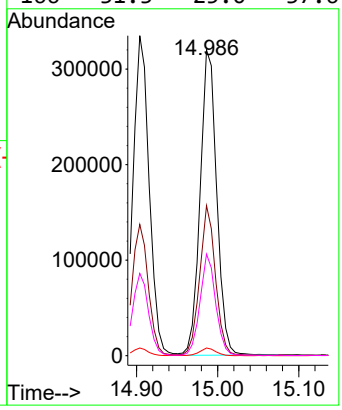


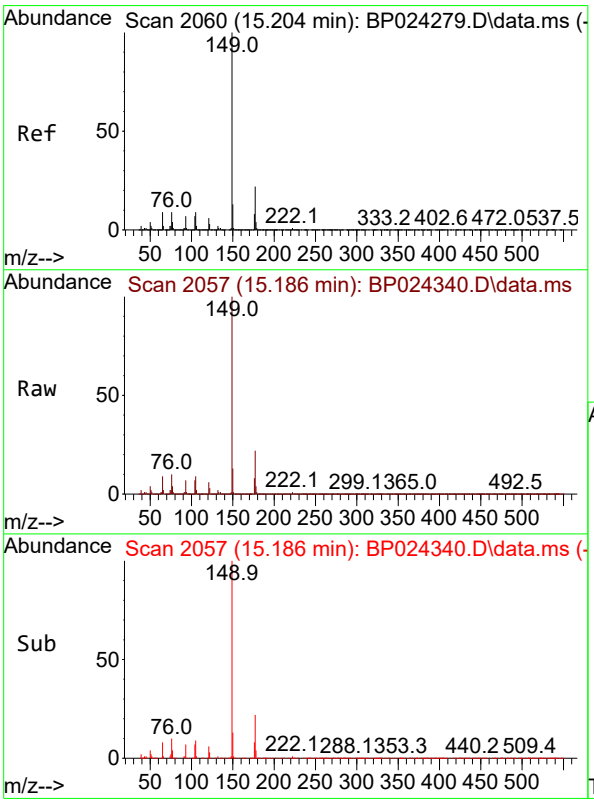
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.751 ng
RT: 14.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:232 Resp: 453385

Ion	Ratio	Lower	Upper
232	100		
131	46.6	36.8	55.2
130	2.4	1.9	2.9
166	31.3	25.0	37.6

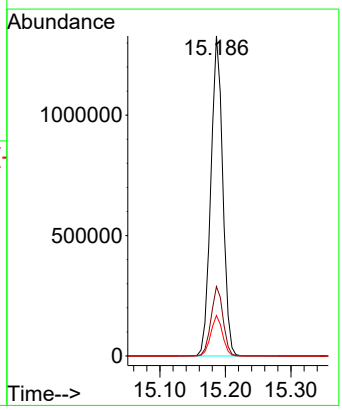


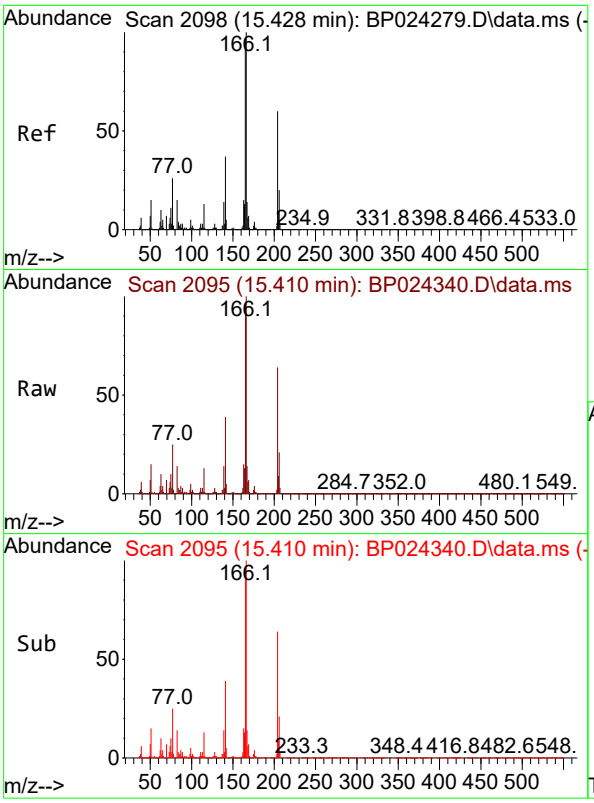


#60
Diethylphthalate
Concen: 42.147 ng
RT: 15.186 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:149 Resp: 1676184

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.4	26.2
150	12.7	10.1	15.1



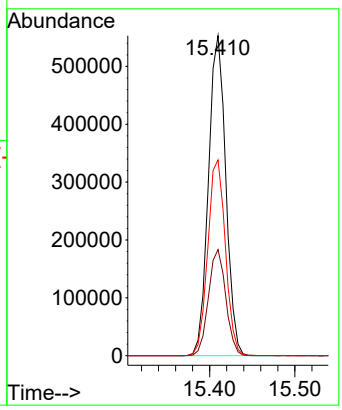


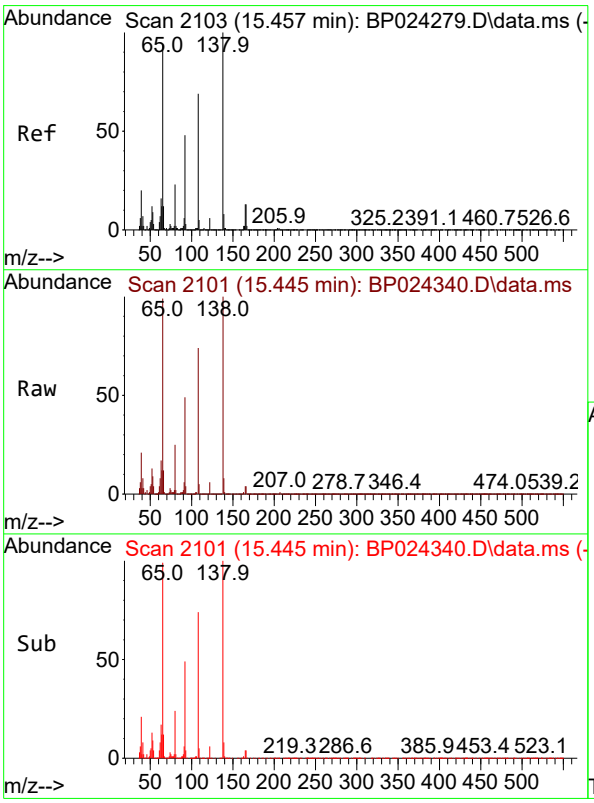
#61
4-Chlorophenyl-phenylether
Concen: 43.761 ng
RT: 15.410 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:204 Resp: 782490

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.2	49.4	74.0

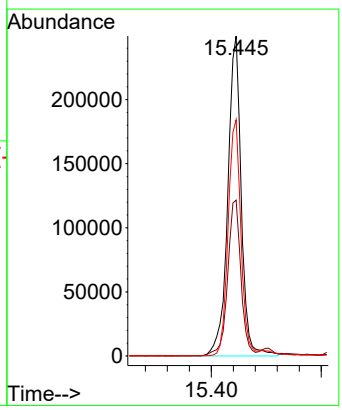


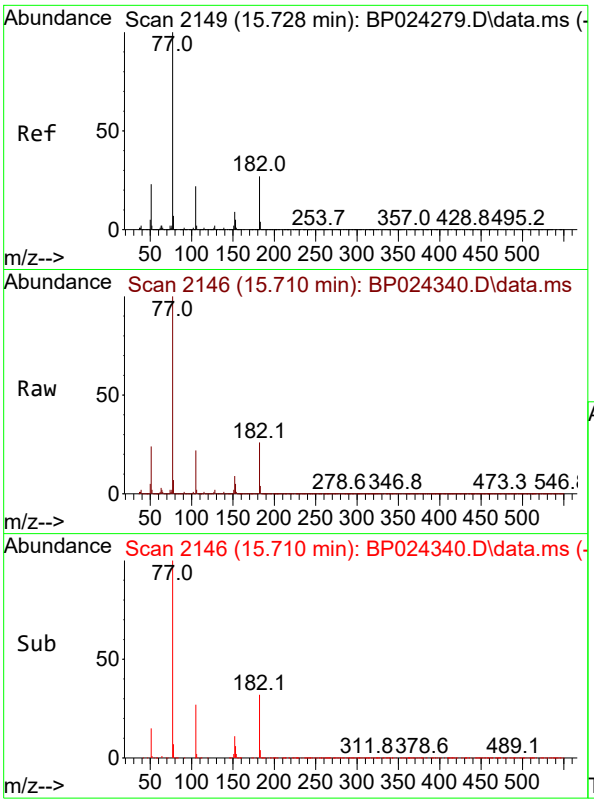


#62
4-Nitroaniline
Concen: 46.622 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:138 Resp: 425096

Ion	Ratio	Lower	Upper
138	100		
92	48.7	27.8	67.8
108	73.8	48.9	88.9



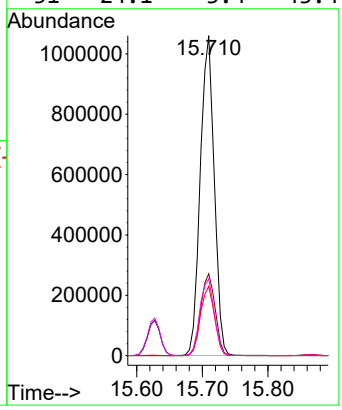


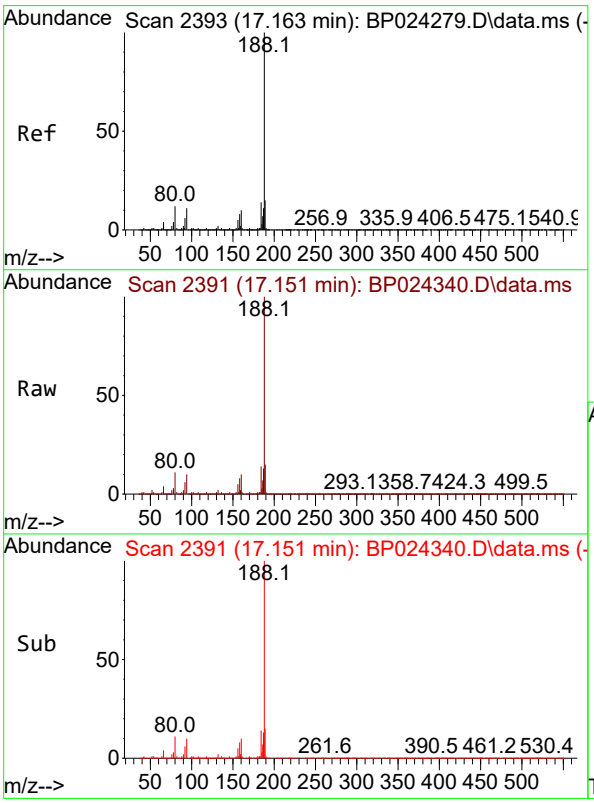
#63
Azobenzene
Concen: 42.991 ng
RT: 15.710 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion: 77 Resp: 1571444

Ion	Ratio	Lower	Upper
77	100		
182	25.6	7.3	47.3
105	21.7	2.3	42.3
51	24.1	3.4	43.4

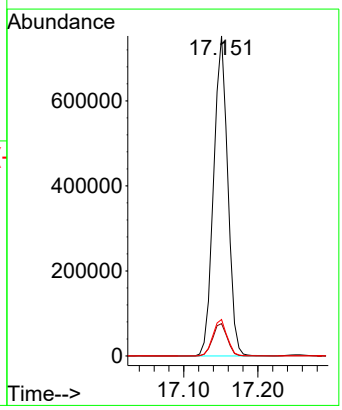


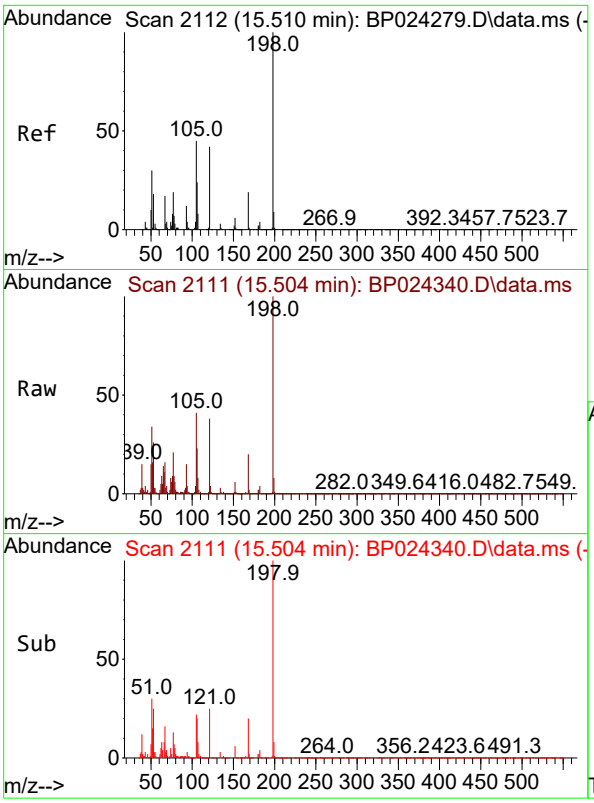


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2391
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:188 Resp: 995933

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.6	13.0
80	11.4	9.8	14.6



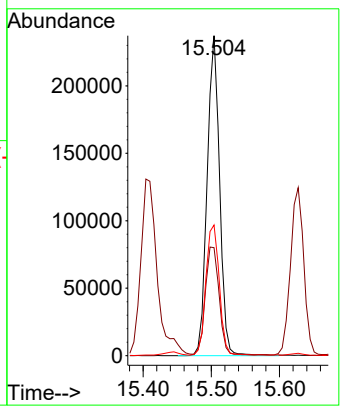


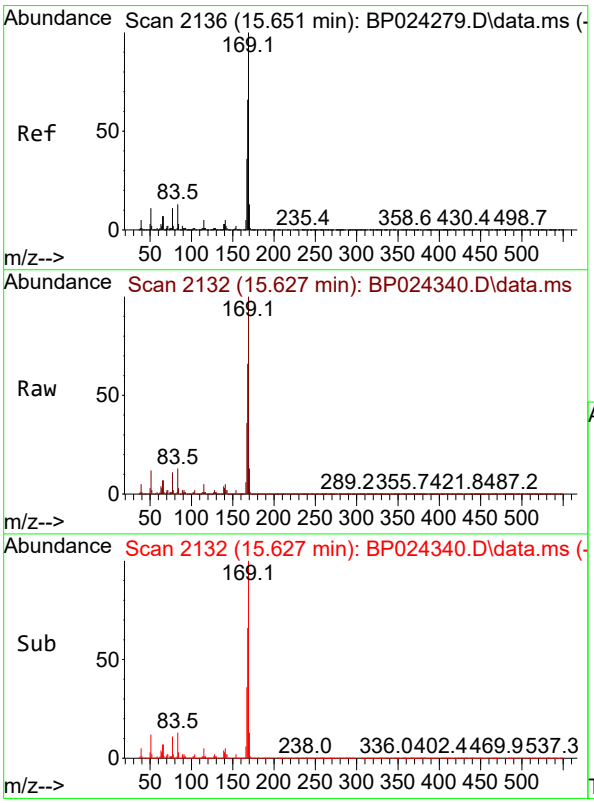
#65
4,6-Dinitro-2-methylphenol
Concen: 48.075 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:198 Resp: 301863

Ion	Ratio	Lower	Upper
198	100		
51	33.7	18.4	58.4
105	40.9	26.5	66.5

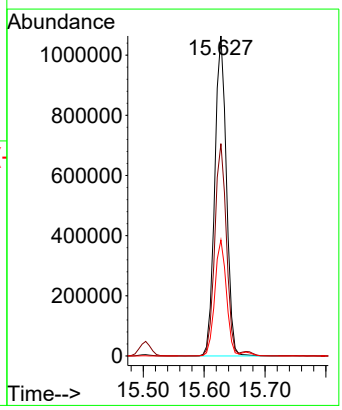


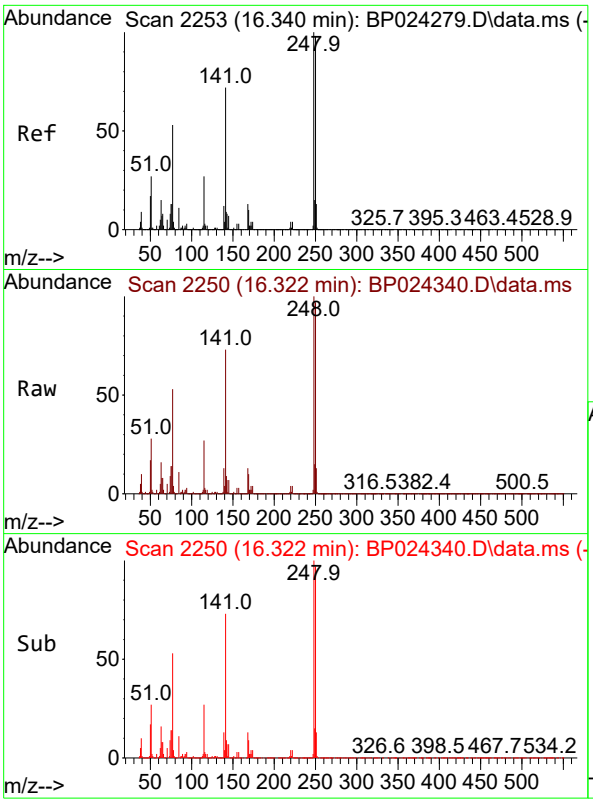


#66
n-Nitrosodiphenylamine
Concen: 47.467 ng
RT: 15.627 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:169 Resp: 1411022

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.4
167	36.2	28.9	43.3



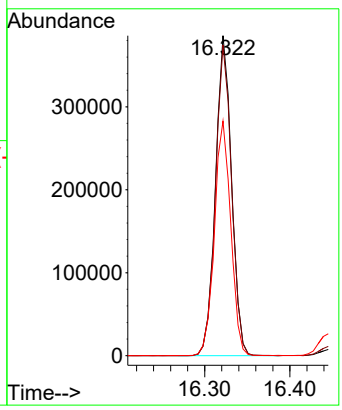


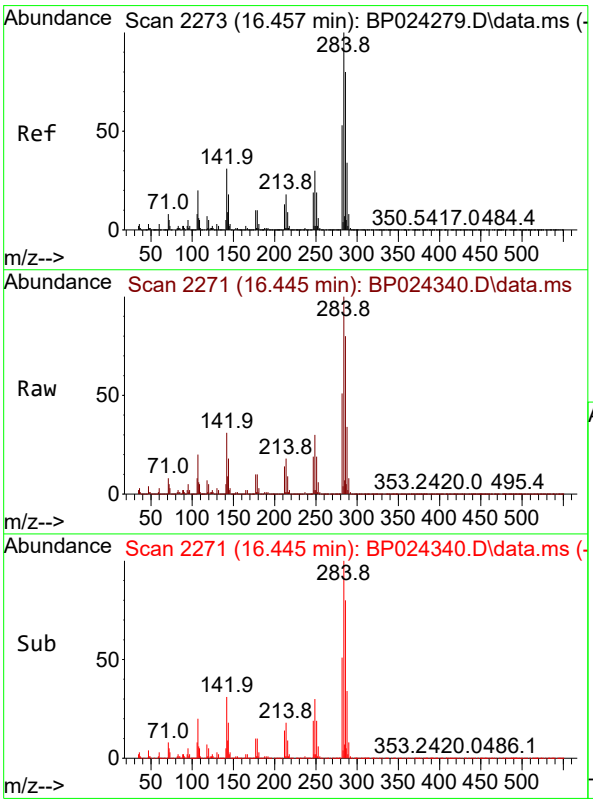
#67
4-Bromophenyl-phenylether
Concen: 46.403 ng
RT: 16.322 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:248 Resp: 505435

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.2	117.4
141	73.3	57.7	86.5

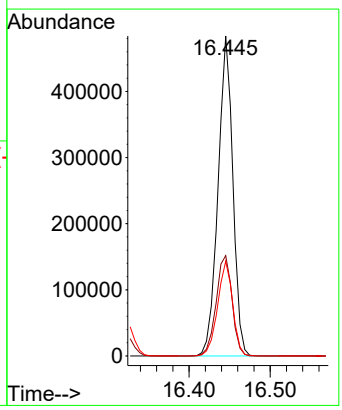


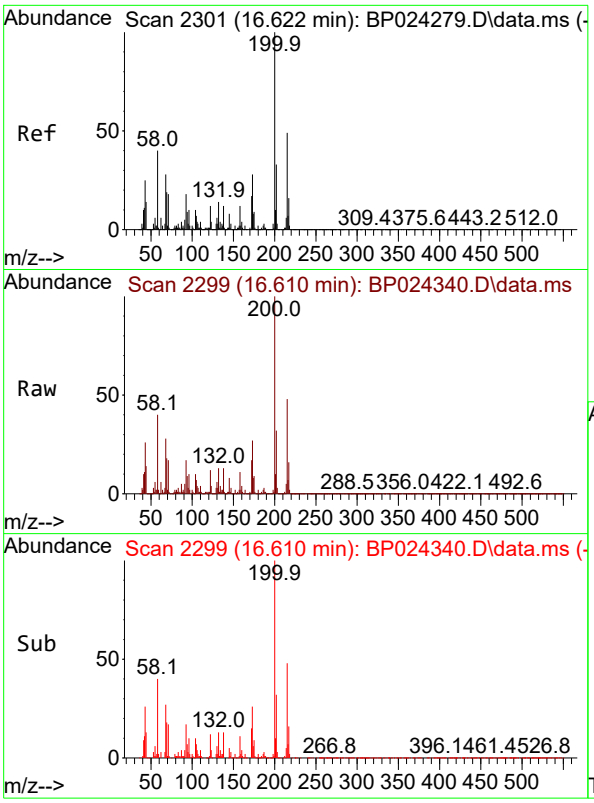


#68
Hexachlorobenzene
Concen: 47.515 ng
RT: 16.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:284 Resp: 614989

Ion	Ratio	Lower	Upper
284	100		
142	31.3	24.6	37.0
249	29.6	23.8	35.6



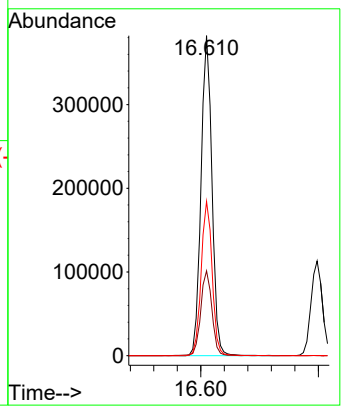


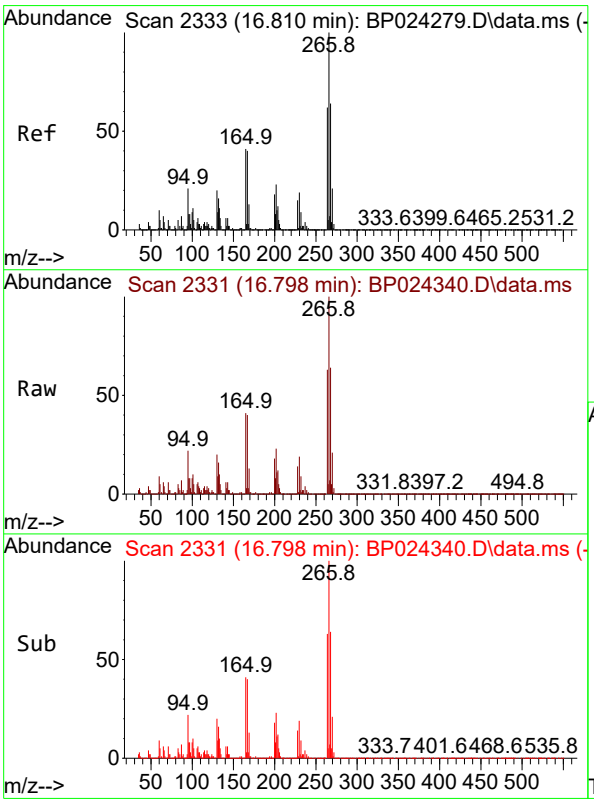
#69
Atrazine
Concen: 64.933 ng
RT: 16.610 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:200 Resp: 491611

Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.5	47.5
215	48.2	28.8	68.8

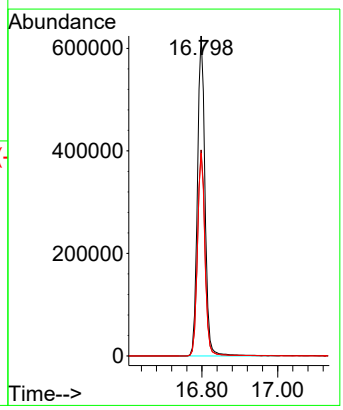


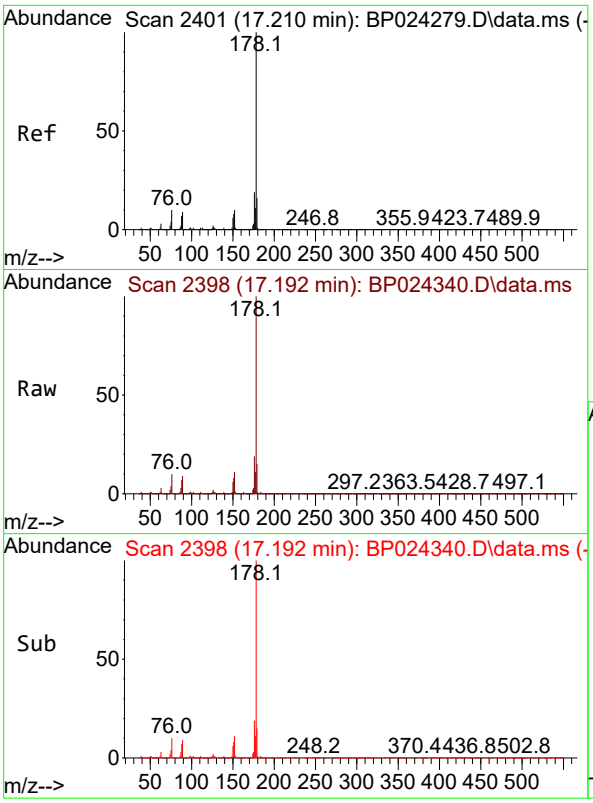


#70
Pentachlorophenol
Concen: 96.463 ng
RT: 16.798 min Scan# 2331
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:266 Resp: 871011

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.0	76.6
264	63.4	49.8	74.6



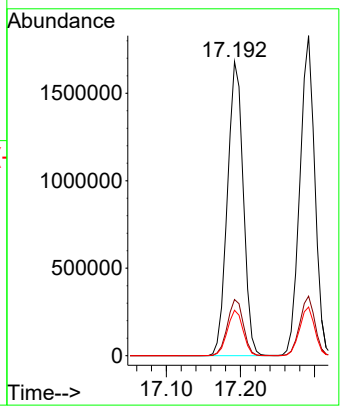


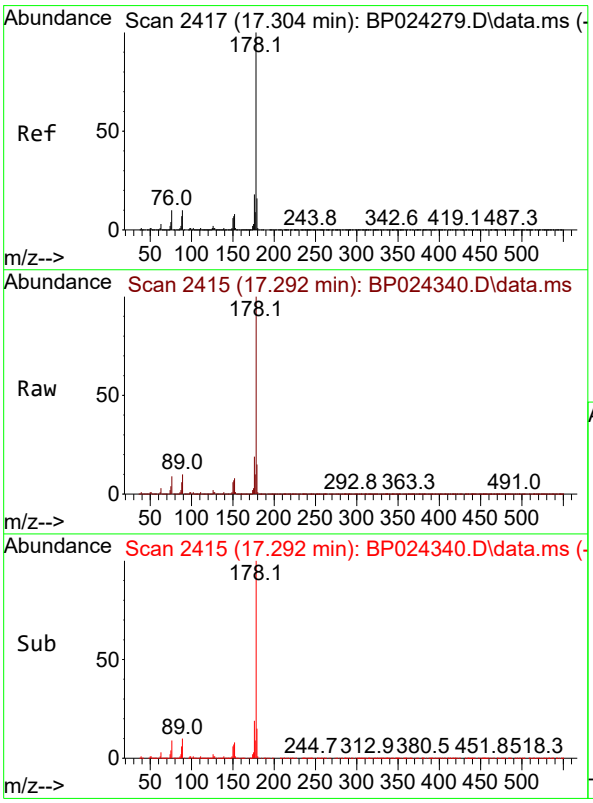
#71
Phenanthrene
Concen: 45.855 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:178 Resp: 2491343

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.5	18.7

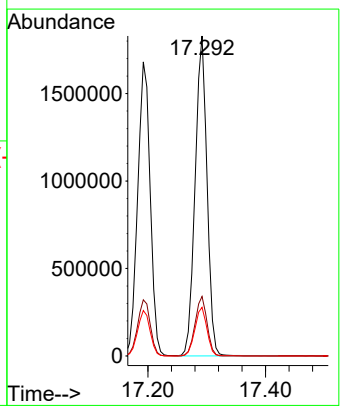


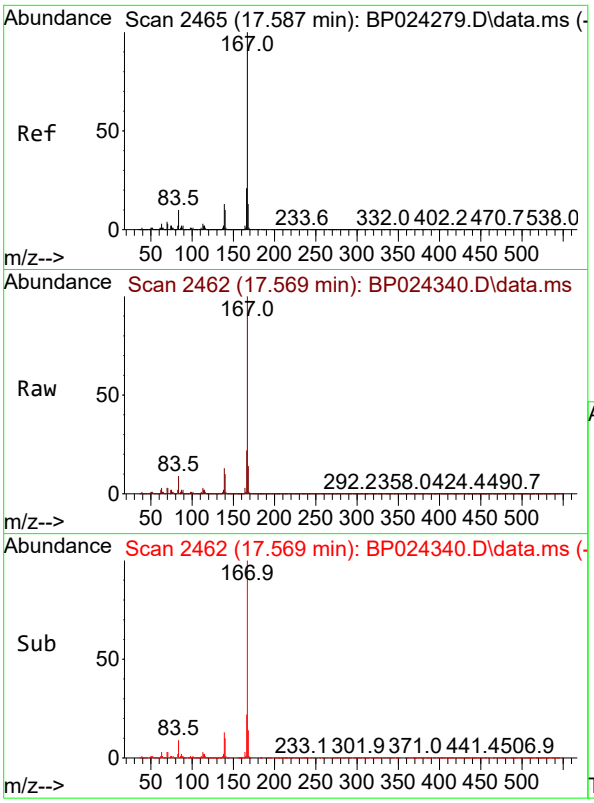


#72
Anthracene
Concen: 49.058 ng
RT: 17.292 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:178 Resp: 2568857

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.2	12.4	18.6



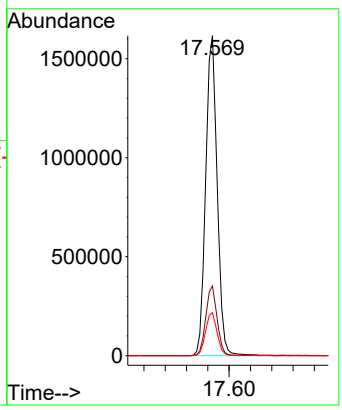


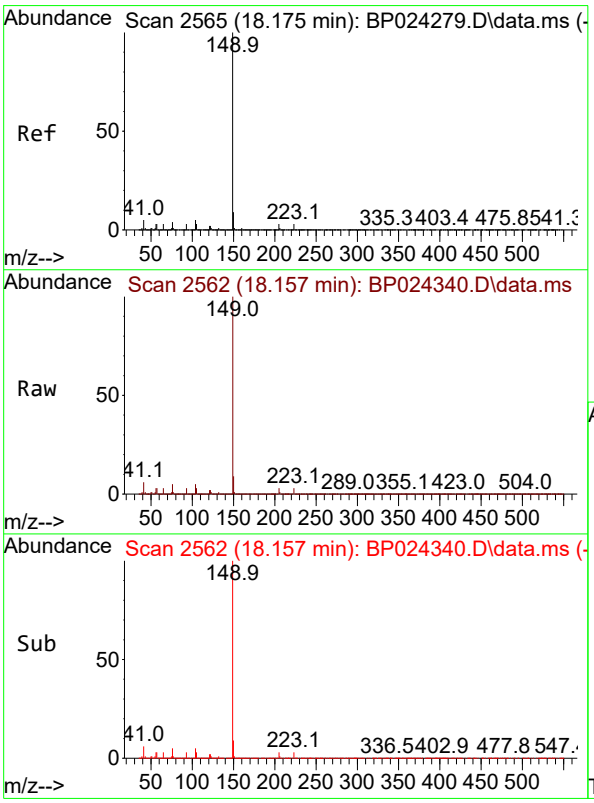
#73
Carbazole
Concen: 47.174 ng
RT: 17.569 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:167 Resp: 2413582

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.5	10.6	16.0

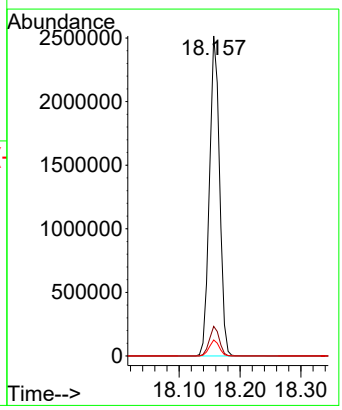


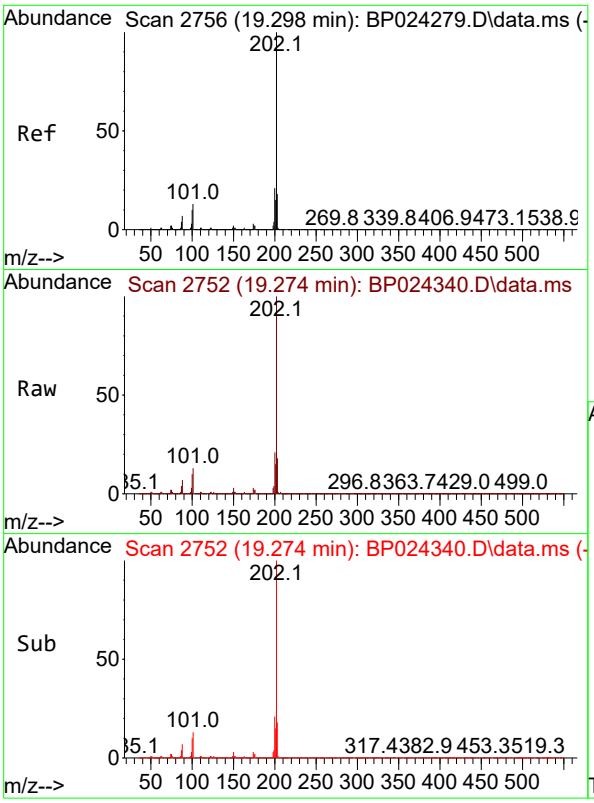


#74
Di-n-butylphthalate
Concen: 45.608 ng
RT: 18.157 min Scan# 2562
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:149 Resp: 2907207

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9



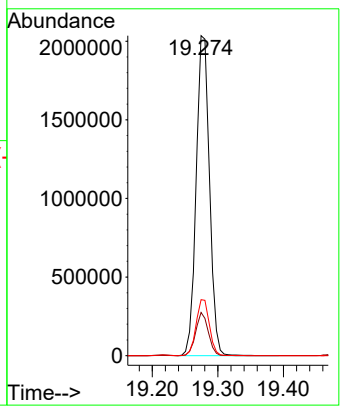


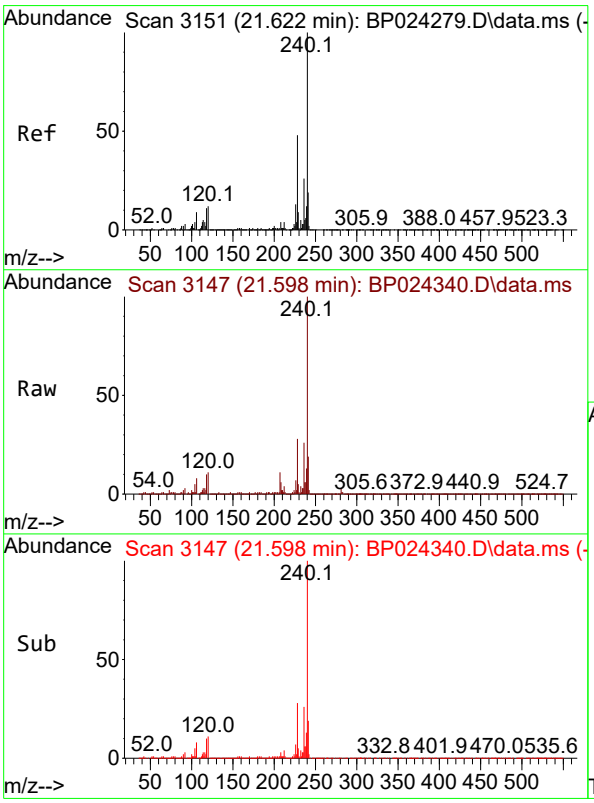
#75
Fluoranthene
Concen: 44.524 ng
RT: 19.274 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:202 Resp: 2877057

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.5	0.0	37.7

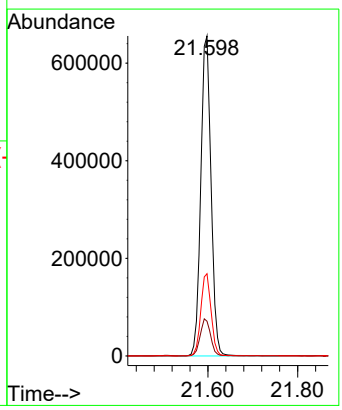


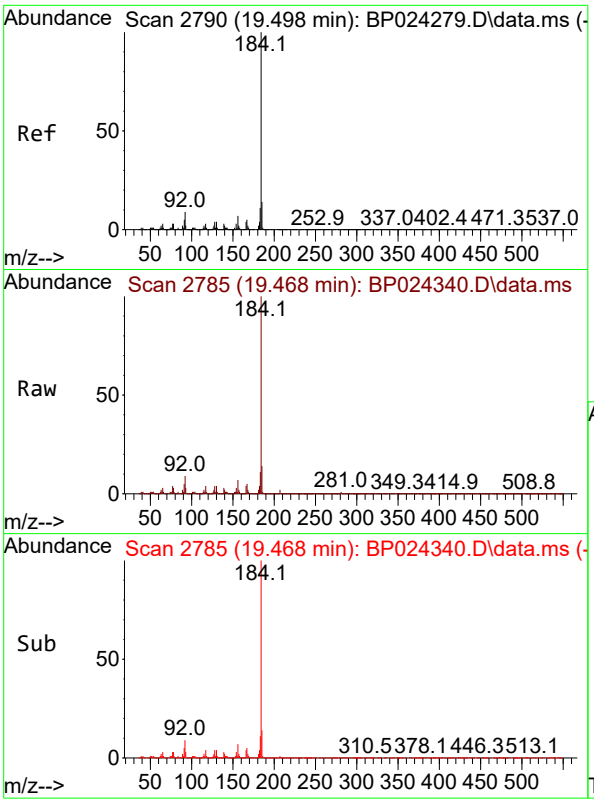


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.598 min Scan# 3147
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:240 Resp: 1041087

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.8	14.8
236	25.7	20.9	31.3



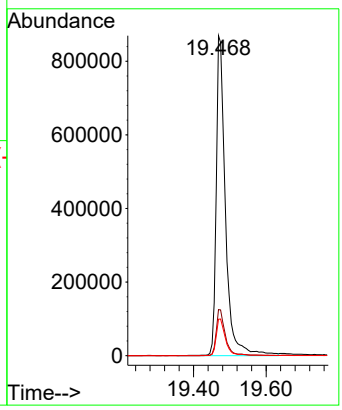


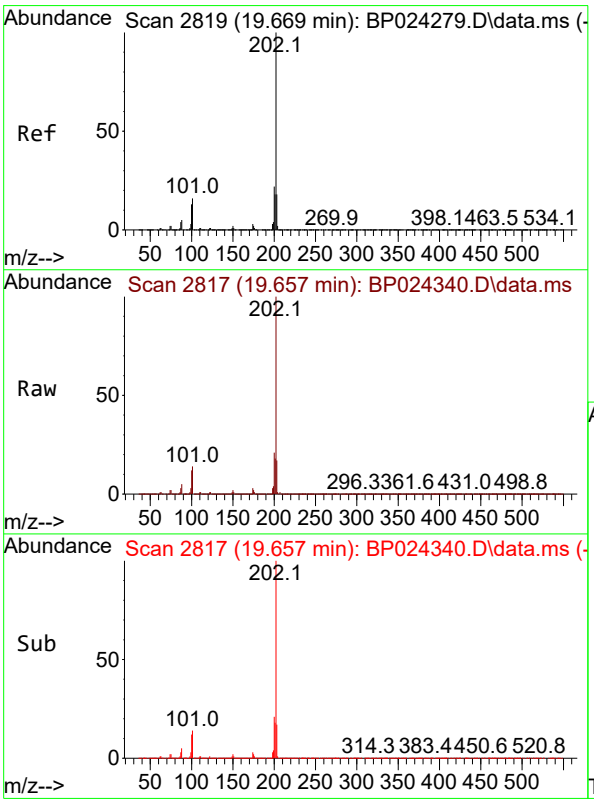
#77
Benzidine
Concen: 116.043 ng
RT: 19.468 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:184 Resp: 1531379

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.4	9.2	13.8

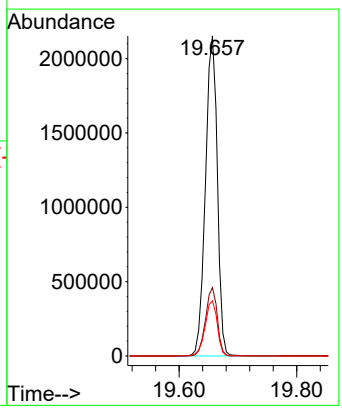


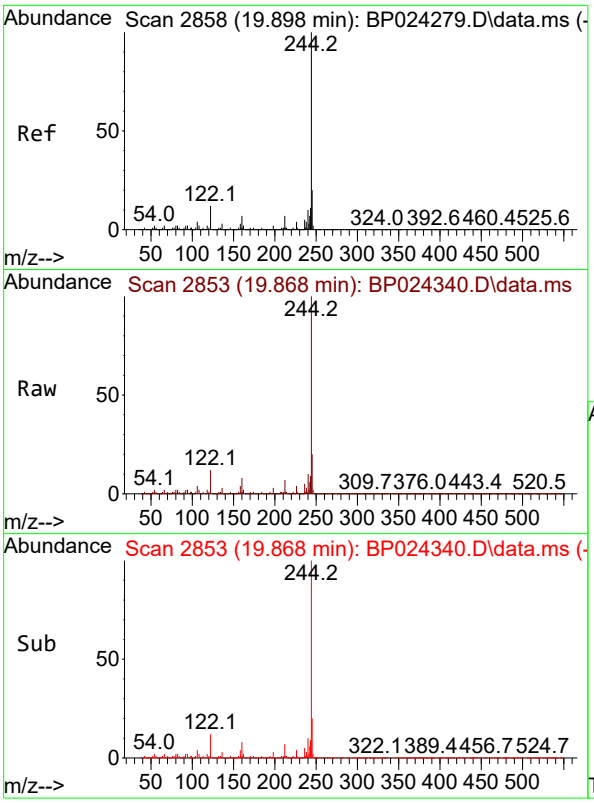


#78
Pyrene
Concen: 45.438 ng
RT: 19.657 min Scan# 2817
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:202 Resp: 3006247

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.2	14.4	21.6



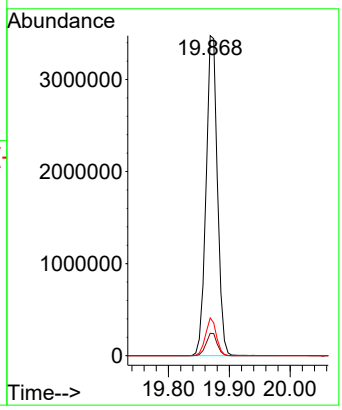


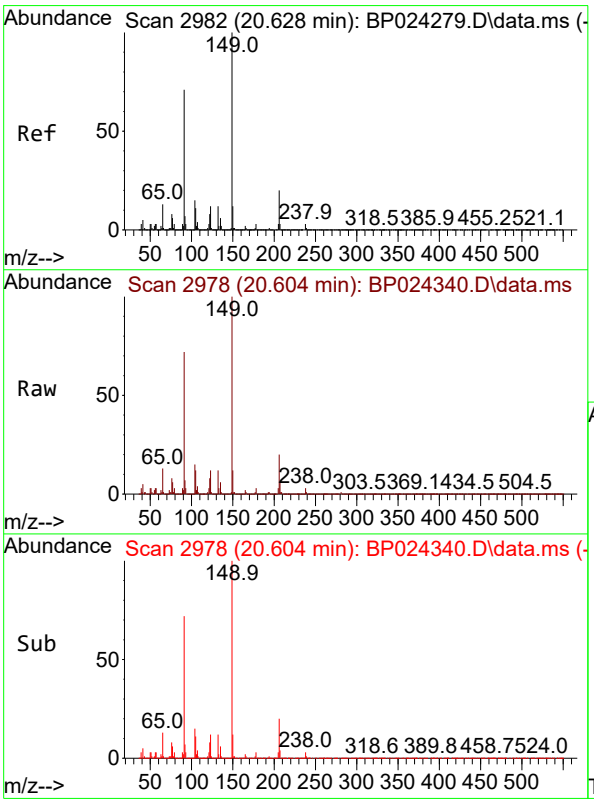
#79
Terphenyl-d14
Concen: 87.172 ng
RT: 19.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:244 Resp: 4502463

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.0

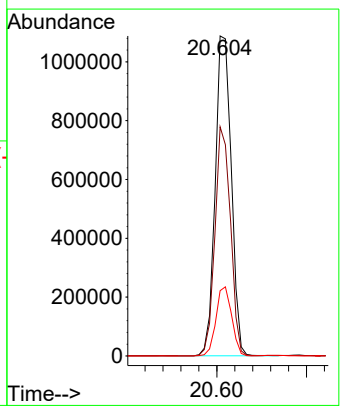


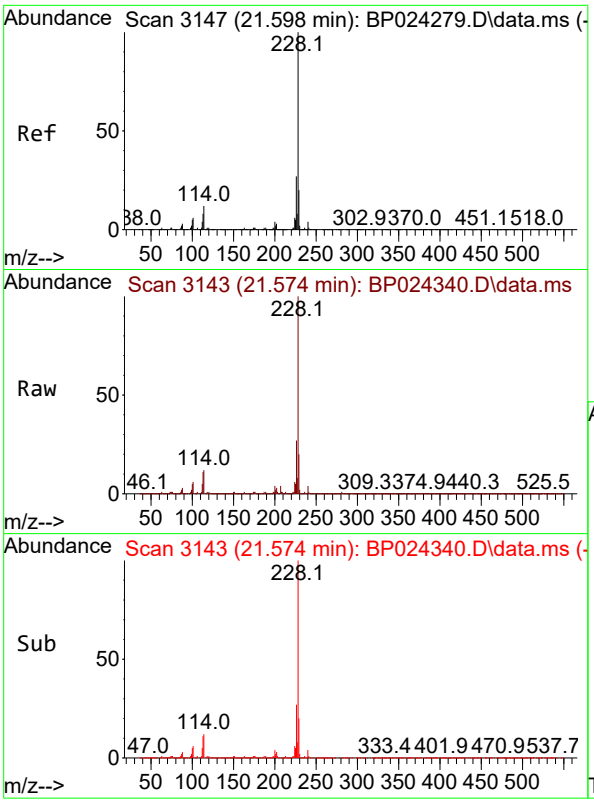


#80
Butylbenzylphthalate
Concen: 47.746 ng
RT: 20.604 min Scan# 2978
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:149 Resp: 1353069

Ion	Ratio	Lower	Upper
149	100		
91	71.6	56.4	84.6
206	20.4	16.3	24.5



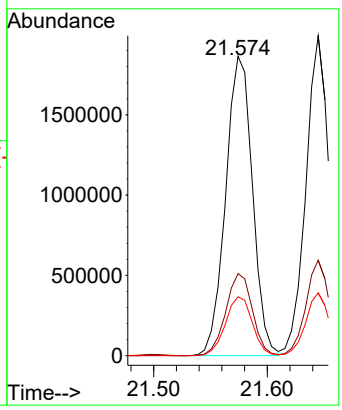


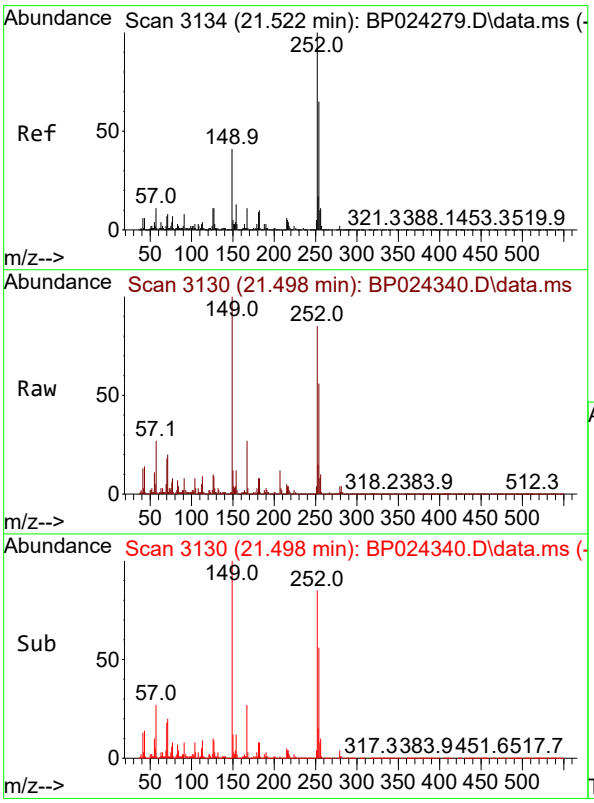
#81
Benzo(a)anthracene
Concen: 47.339 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:228 Resp: 3063275

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	15.9	23.9

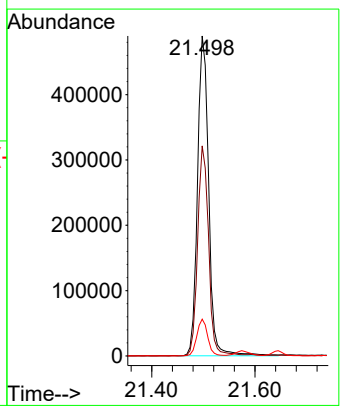


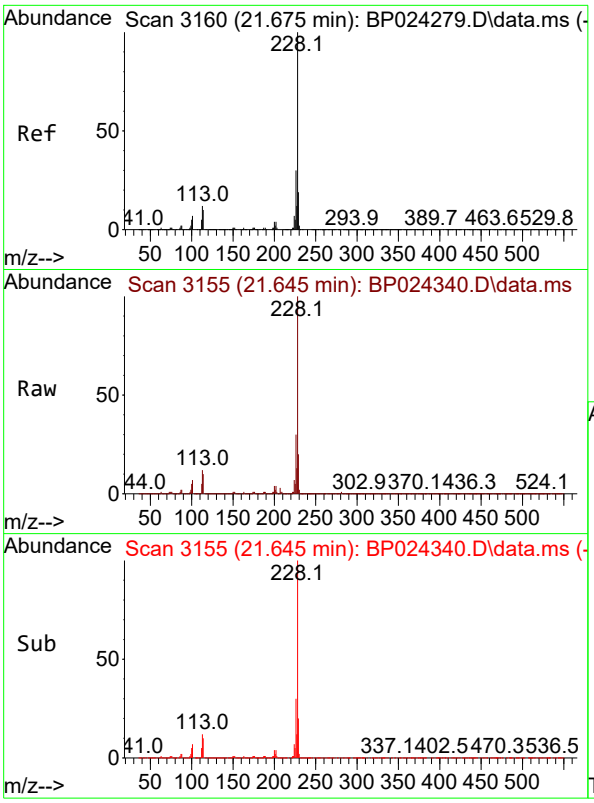


#82
3,3'-Dichlorobenzidine
Concen: 32.346 ng
RT: 21.498 min Scan# 3130
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:252 Resp: 734660

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.7	77.5
126	11.5	8.8	13.2



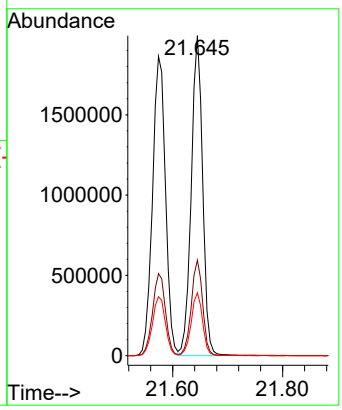


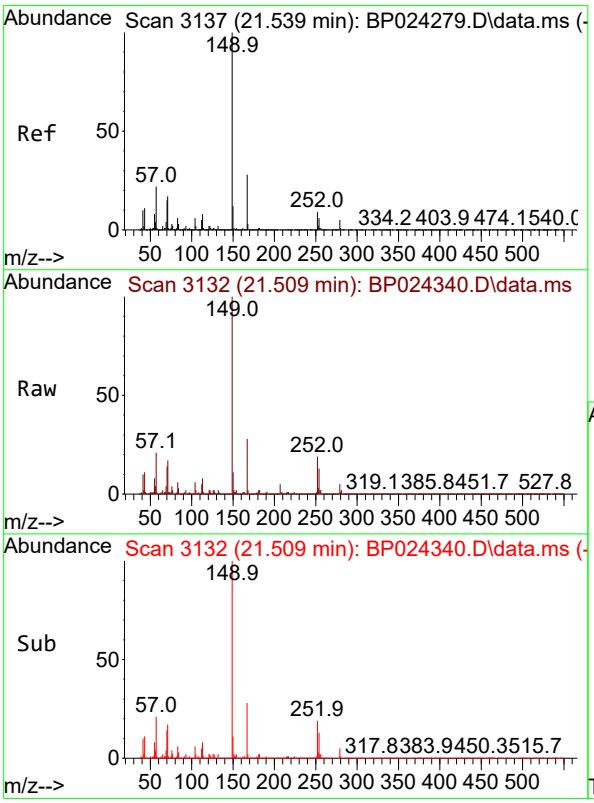
#83
Chrysene
Concen: 46.125 ng
RT: 21.645 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:228 Resp: 2859540

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	19.6	15.6	23.4

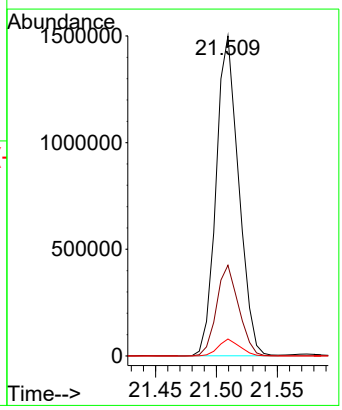


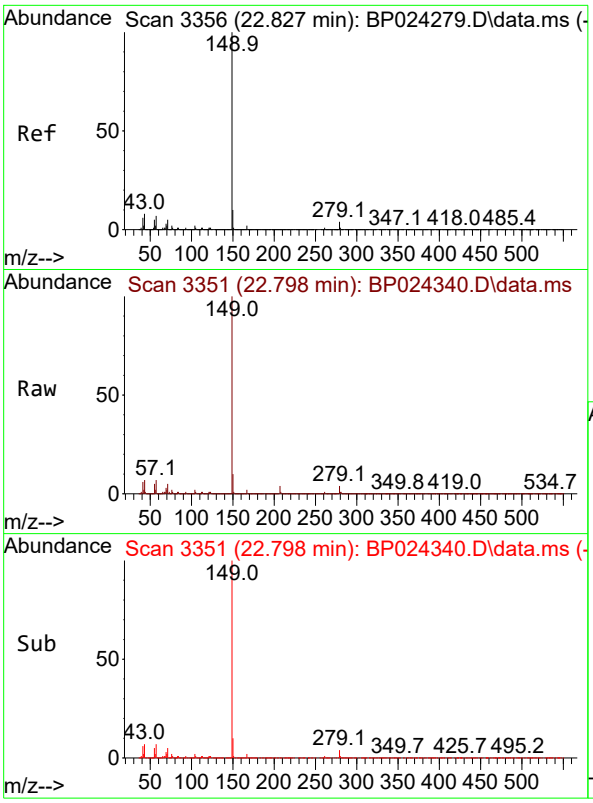


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.562 ng
RT: 21.509 min Scan# 3132
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:149 Resp: 1934351

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.3	4.0	6.0



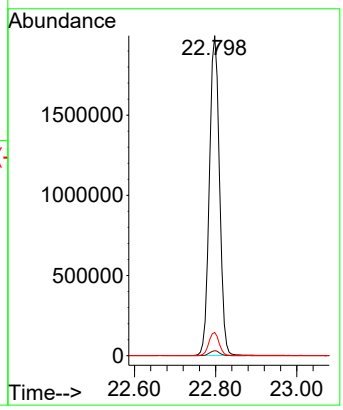


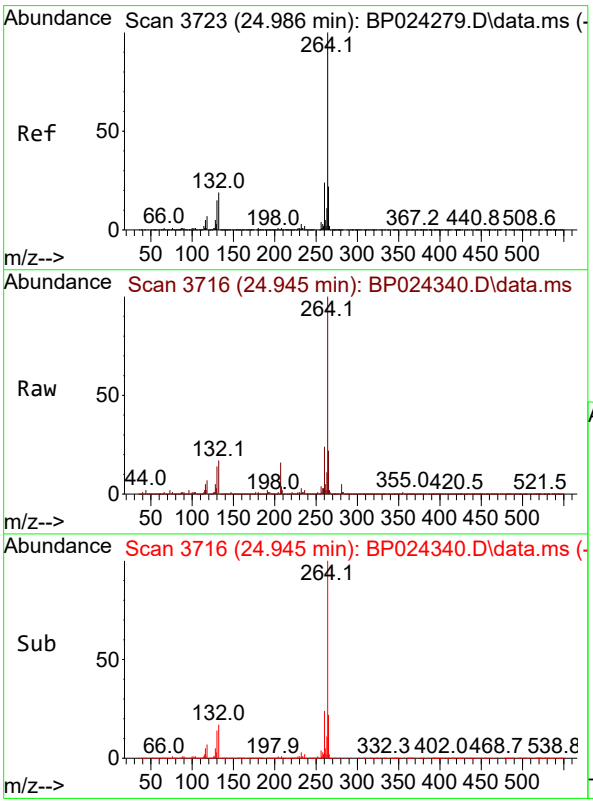
#85
Di-n-octyl phthalate
Concen: 50.811 ng
RT: 22.798 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:149 Resp: 3431654

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.3	6.0	9.0

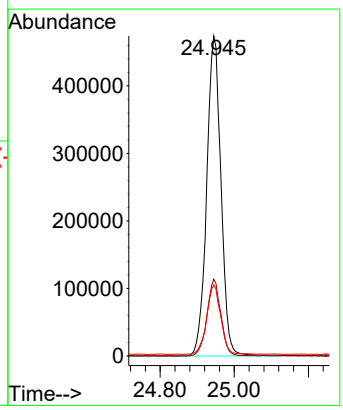


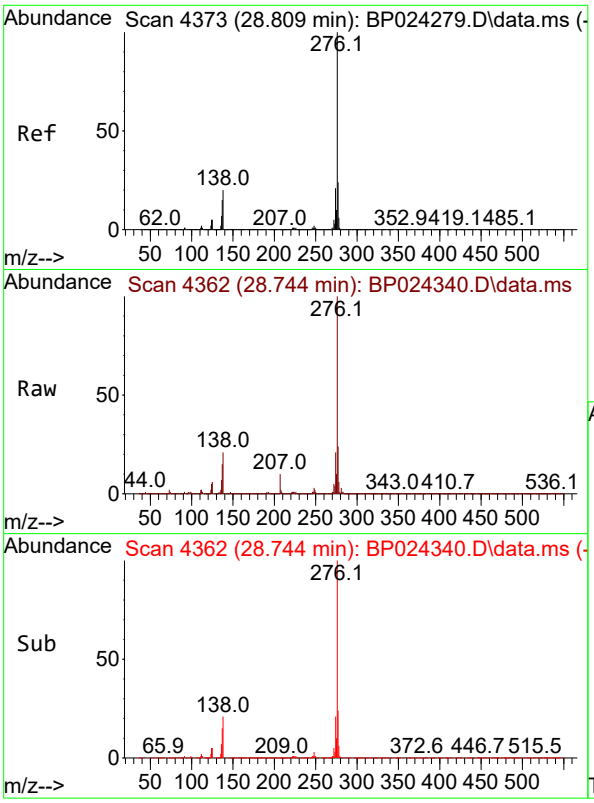


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.945 min Scan# 3716
Delta R.T. 0.012 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:264 Resp: 1268635

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.2	17.8	26.6



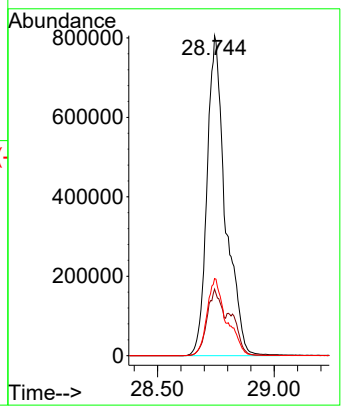


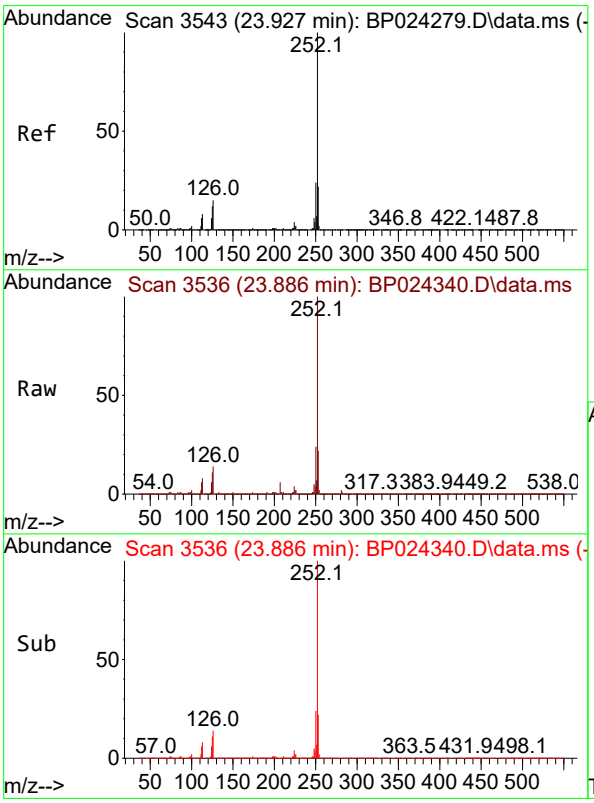
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.270 ng
RT: 28.744 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:276 Resp: 4427477

Ion	Ratio	Lower	Upper
276	100		
138	17.2	14.5	21.7
277	25.4	20.2	30.2

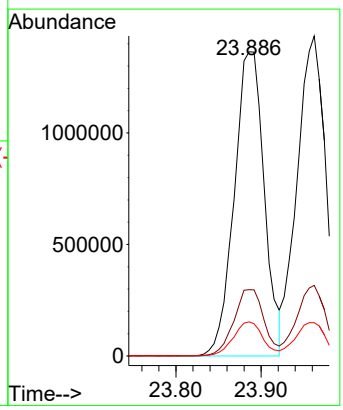


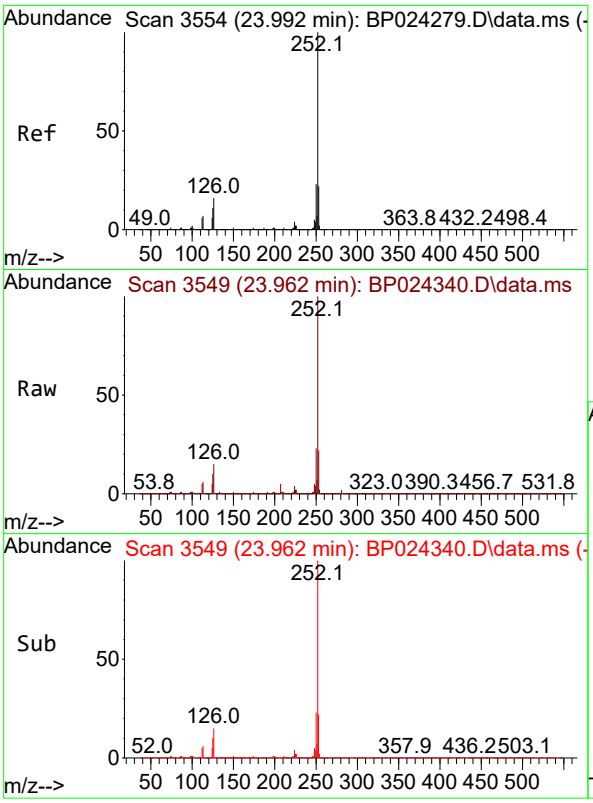


#88
Benzo(b)fluoranthene
Concen: 43.884 ng
RT: 23.886 min Scan# 3536
Delta R.T. -0.000 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:252 Resp: 3337064

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	9.4	14.0



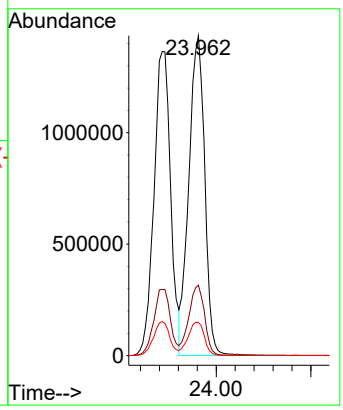


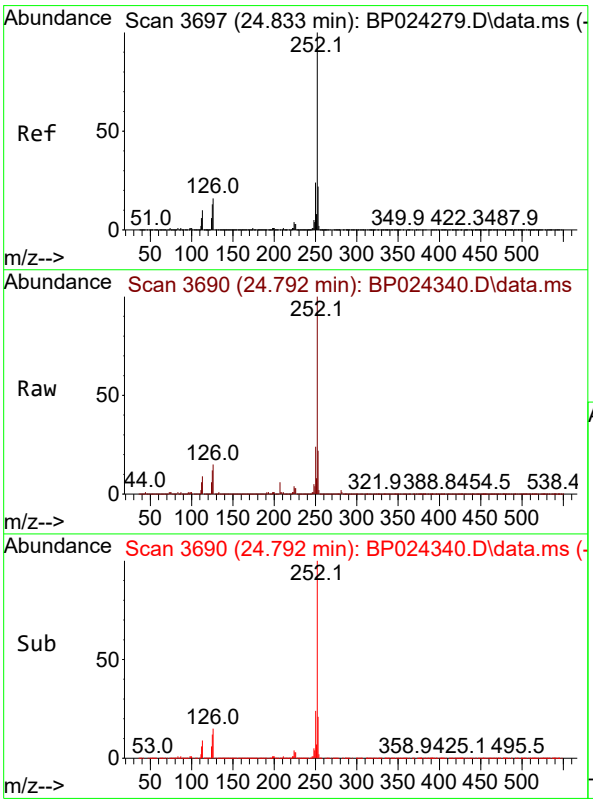
#89
Benzo(k)fluoranthene
Concen: 45.515 ng
RT: 23.962 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:252 Resp: 3343198

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.4	9.1	13.7

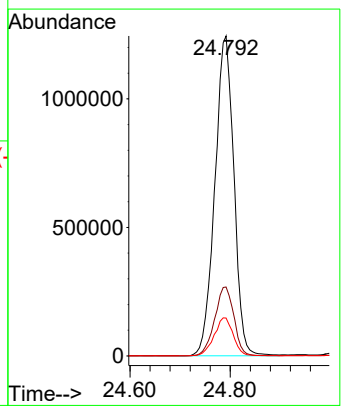


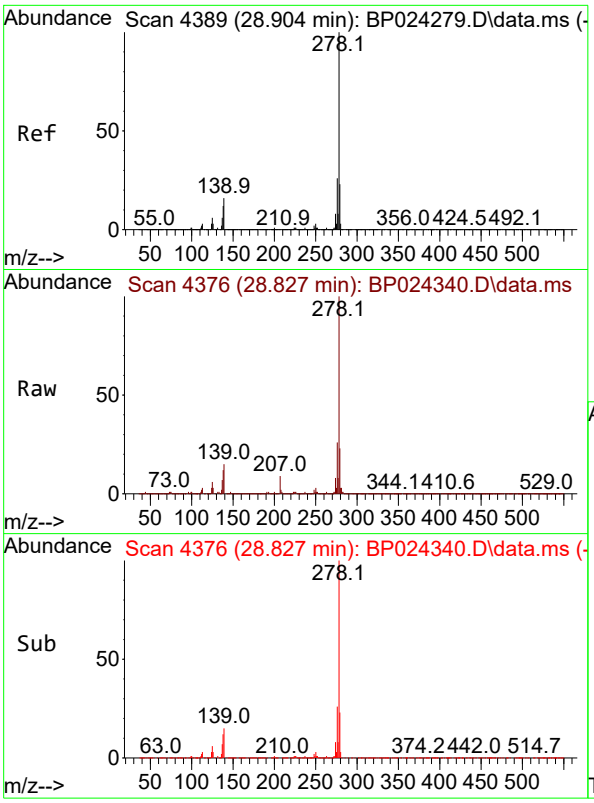


#90
Benzo(a)pyrene
Concen: 49.979 ng
RT: 24.792 min Scan# 3690
Delta R.T. 0.012 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:252 Resp: 3278313

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	11.8	10.1	15.1



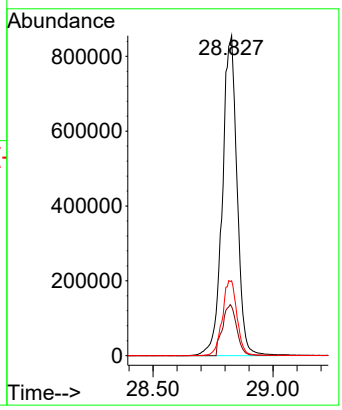


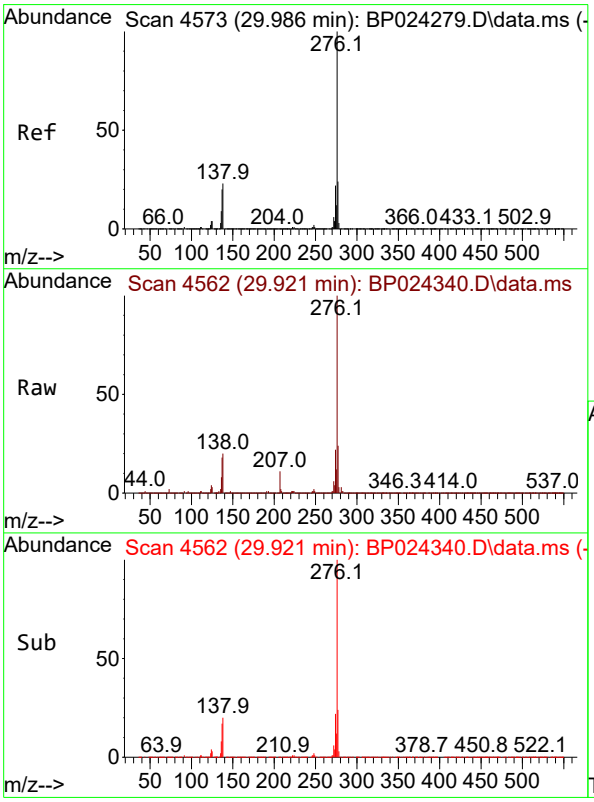
#91
Dibenzo(a,h)anthracene
Concen: 49.755 ng
RT: 28.827 min Scan# 4
Delta R.T. 0.023 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Instrument :
BNA_P
ClientSampleId :
PB167625BSD

Tgt Ion:278 Resp: 3637312

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.6	19.0
279	23.4	18.5	27.7

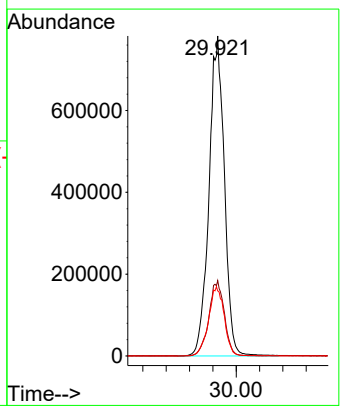




#92
Benzo(g,h,i)perylene
Concen: 47.913 ng
RT: 29.921 min Scan# 4562
Delta R.T. 0.023 min
Lab File: BP024340.D
Acq: 18 Apr 2025 13:15

Tgt Ion:276 Resp: 3565152

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.9	28.3
138	20.4	18.7	28.1



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

Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024276.D	Benzaldehyde	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC005	BP024276.D	Benzidine	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzaldehyde	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzoic acid	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC020	BP024278.D	Benzoic acid	Rahul	4/15/2025 9:46:28 AM	Jagrut	4/15/2025 10:52:44 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Pyridine	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Benzoic acid	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Pyridine	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzidine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzoic acid	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Pyridine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP024283.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:50:13 AM	Jagrut	4/15/2025 10:52:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041725	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024320.D	Benzoic acid	Rahul	4/18/2025 10:38:45 AM	Jagrut	4/18/2025 11:14:31 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041825	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1812-03	BP024341.D	Benzoic acid	Rahul	4/21/2025 1:00:32 PM			Peak Integrated by Software

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024274.D	14 Apr 2025 10:25	RC/JU	Ok
2	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06	RC/JU	Ok
3	SSTDICC005	BP024276.D	14 Apr 2025 11:47	RC/JU	Ok,M
4	SSTDICC010	BP024277.D	14 Apr 2025 12:27	RC/JU	Ok,M
5	SSTDICC020	BP024278.D	14 Apr 2025 13:08	RC/JU	Ok,M
6	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	RC/JU	Ok
7	SSTDICC050	BP024280.D	14 Apr 2025 15:10	RC/JU	Ok,M
8	SSTDICC060	BP024281.D	14 Apr 2025 16:32	RC/JU	Ok,M
9	SSTDICC080	BP024282.D	14 Apr 2025 17:13	RC/JU	Ok,M
10	SSTDICV040	BP024283.D	14 Apr 2025 18:35	RC/JU	Ok,M
11	PB167488TB	BP024284.D	14 Apr 2025 19:16	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041725

Review By	Rahul	Review On	4/18/2025 11:15:20 AM		
Supervise By	Jagrut	Supervise On	4/18/2025 11:15:32 AM		
SubDirectory	BP041725	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024319.D	17 Apr 2025 09:49	RC/JU	Ok
2	SSTDCCC040	BP024320.D	17 Apr 2025 10:30	RC/JU	Ok,M
3	PB167599BL	BP024321.D	17 Apr 2025 11:10	RC/JU	Ok
4	PB167564BS	BP024322.D	17 Apr 2025 11:51	RC/JU	Ok,M
5	PB167564BSD	BP024323.D	17 Apr 2025 12:32	RC/JU	Ok,M
6	Q1791-10RE	BP024324.D	17 Apr 2025 13:18	RC/JU	Confirms
7	Q1791-13RE	BP024325.D	17 Apr 2025 13:59	RC/JU	Confirms
8	Q1821-01	BP024326.D	17 Apr 2025 14:40	RC/JU	Ok
9	Q1821-01MS	BP024327.D	17 Apr 2025 15:20	RC/JU	Ok,M
10	Q1821-01MSD	BP024328.D	17 Apr 2025 16:01	RC/JU	Ok,M
11	Q1825-01	BP024329.D	17 Apr 2025 16:42	RC/JU	ReRun
12	Q1812-02	BP024330.D	17 Apr 2025 17:23	RC/JU	Ok
13	Q1812-03	BP024331.D	17 Apr 2025 18:03	RC/JU	ReRun
14	Q1826-03	BP024332.D	17 Apr 2025 18:44	RC/JU	ReRun
15	Q1826-05	BP024333.D	17 Apr 2025 19:25	RC/JU	Ok
16	Q1818-03	BP024334.D	17 Apr 2025 20:06	RC/JU	Ok,M
17	Q1825-04	BP024335.D	17 Apr 2025 20:46	RC/JU	Dilution

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041825

Review By	Rahul	Review On	4/21/2025 1:01:03 PM		
Supervise By	sohil	Supervise On	4/23/2025 10:58:50 AM		
SubDirectory	BP041825	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024336.D	18 Apr 2025 10:32	RC/JU	Ok
2	SSTDCCC040	BP024337.D	18 Apr 2025 11:13	RC/JU	Ok
3	PB167625BL	BP024338.D	18 Apr 2025 11:54	RC/JU	Ok
4	PB167625BS	BP024339.D	18 Apr 2025 12:35	RC/JU	Ok
5	PB167625BSD	BP024340.D	18 Apr 2025 13:15	RC/JU	Ok
6	Q1812-03	BP024341.D	18 Apr 2025 14:00	RC/JU	Ok,M
7	Q1825-04DL	BP024342.D	18 Apr 2025 14:41	RC/JU	Not Ok
8	Q1822-01	BP024343.D	18 Apr 2025 15:22	RC/JU	Ok
9	Q1814-01	BP024344.D	18 Apr 2025 16:03	RC/JU	Ok
10	Q1832-19	BP024345.D	18 Apr 2025 16:45	RC/JU	Ok
11	Q1832-19MS	BP024346.D	18 Apr 2025 17:26	RC/JU	Ok
12	Q1832-19MSD	BP024347.D	18 Apr 2025 18:07	RC/JU	Ok
13	Q1828-01	BP024348.D	18 Apr 2025 18:48	RC/JU	Ok
14	Q1825-06	BP024349.D	18 Apr 2025 19:29	RC/JU	Ok
15	Q1825-09	BP024350.D	18 Apr 2025 20:09	RC/JU	Ok
16	Q1826-02	BP024351.D	18 Apr 2025 20:50	RC/JU	ReRun
17	Q1826-04	BP024352.D	18 Apr 2025 21:31	RC/JU	Ok
18	Q1826-06	BP024353.D	18 Apr 2025 22:11	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024274.D	14 Apr 2025 10:25		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024276.D	14 Apr 2025 11:47	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024277.D	14 Apr 2025 12:27		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024278.D	14 Apr 2025 13:08		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	This calibration is fail for Com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024280.D	14 Apr 2025 15:10	This calibration is good for 8270E, 8270 DOD and 625.1 methods except Compound#77	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024281.D	14 Apr 2025 16:32	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024282.D	14 Apr 2025 17:13	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP041425	BP024283.D	14 Apr 2025 18:35		RC/JU	Ok,M
11	PB167488TB	PB167488TB	BP024284.D	14 Apr 2025 19:16		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041725

Review By	Rahul	Review On	4/18/2025 11:15:20 AM		
Supervise By	Jagrut	Supervise On	4/18/2025 11:15:32 AM		
SubDirectory	BP041725	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024319.D	17 Apr 2025 09:49		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024320.D	17 Apr 2025 10:30		RC/JU	Ok,M
3	PB167599BL	PB167599BL	BP024321.D	17 Apr 2025 11:10		RC/JU	Ok
4	PB167564BS	PB167564BS	BP024322.D	17 Apr 2025 11:51		RC/JU	Ok,M
5	PB167564BSD	PB167564BSD	BP024323.D	17 Apr 2025 12:32		RC/JU	Ok,M
6	Q1791-10RE	280722RE	BP024324.D	17 Apr 2025 13:18	Internal Standards and surrogates Failed	RC/JU	Confirms
7	Q1791-13RE	279312RE	BP024325.D	17 Apr 2025 13:59	Internal Standards and surrogates Failed	RC/JU	Confirms
8	Q1821-01	SOIL-CUTTING	BP024326.D	17 Apr 2025 14:40		RC/JU	Ok
9	Q1821-01MS	SOIL-CUTTINGMS	BP024327.D	17 Apr 2025 15:20		RC/JU	Ok,M
10	Q1821-01MSD	SOIL-CUTTINGMSD	BP024328.D	17 Apr 2025 16:01		RC/JU	Ok,M
11	Q1825-01	TP-9	BP024329.D	17 Apr 2025 16:42	Internal Standard Fail	RC/JU	ReRun
12	Q1812-02	RINSE-EB-TANK-0415	BP024330.D	17 Apr 2025 17:23		RC/JU	Ok
13	Q1812-03	RINSE-EB-PUMP-0415	BP024331.D	17 Apr 2025 18:03	Internal Standard Fail	RC/JU	ReRun
14	Q1826-03	CONCRETE-PILE	BP024332.D	17 Apr 2025 18:44	Internal Standard Fail	RC/JU	ReRun
15	Q1826-05	CONCRETE-FLOOR	BP024333.D	17 Apr 2025 19:25		RC/JU	Ok
16	Q1818-03	RT-3873	BP024334.D	17 Apr 2025 20:06		RC/JU	Ok,M
17	Q1825-04	TP-10	BP024335.D	17 Apr 2025 20:46	Need 20X Dilution	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041825

Review By	Rahul	Review On	4/21/2025 1:01:03 PM		
Supervise By	sohil	Supervise On	4/23/2025 10:58:50 AM		
SubDirectory	BP041825	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024336.D	18 Apr 2025 10:32		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024337.D	18 Apr 2025 11:13		RC/JU	Ok
3	PB167625BL	PB167625BL	BP024338.D	18 Apr 2025 11:54		RC/JU	Ok
4	PB167625BS	PB167625BS	BP024339.D	18 Apr 2025 12:35		RC/JU	Ok
5	PB167625BSD	PB167625BSD	BP024340.D	18 Apr 2025 13:15		RC/JU	Ok
6	Q1812-03	RINSE-EB-PUMP-0415	BP024341.D	18 Apr 2025 14:00		RC/JU	Ok,M
7	Q1825-04DL	TP-10DL	BP024342.D	18 Apr 2025 14:41	Dilution not match for compound #84	RC/JU	Not Ok
8	Q1822-01	TW-WTS-06	BP024343.D	18 Apr 2025 15:22		RC/JU	Ok
9	Q1814-01	A3729	BP024344.D	18 Apr 2025 16:03		RC/JU	Ok
10	Q1832-19	PL-714-COMP-04	BP024345.D	18 Apr 2025 16:45		RC/JU	Ok
11	Q1832-19MS	PL-714-COMP-04MS	BP024346.D	18 Apr 2025 17:26		RC/JU	Ok
12	Q1832-19MSD	PL-714-COMP-04MSD	BP024347.D	18 Apr 2025 18:07		RC/JU	Ok
13	Q1828-01	RT4643	BP024348.D	18 Apr 2025 18:48		RC/JU	Ok
14	Q1825-06	TP-10	BP024349.D	18 Apr 2025 19:29		RC/JU	Ok
15	Q1825-09	TP-11	BP024350.D	18 Apr 2025 20:09		RC/JU	Ok
16	Q1826-02	SOIL-PILE	BP024351.D	18 Apr 2025 20:50	Surrogate Fail	RC/JU	ReRun
17	Q1826-04	CONCRETE-PILE	BP024352.D	18 Apr 2025 21:31		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041825

Review By	Rahul	Review On	4/21/2025 1:01:03 PM		
Supervise By	sohil	Supervise On	4/23/2025 10:58:50 AM		
SubDirectory	BP041825	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1826-06	CONCRETE-FLOOR	BP024353.D	18 Apr 2025 22:11		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167625

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 04/17/2025

Extraction Start Time : 10:40

Extraction End Date : 04/17/2025

Extraction End Time : 15:40

Concentration By: EH

Supervisor By : RUPESH

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	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
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
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2604
10N NaoH	N/A	EP2569
H2SO4 1:1	N/A	EP2865
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# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/17/25	RS (Ext Lab)	JY / SVOC
15:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167625

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167625BL	SBLK625	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB167625BS	SLCS625	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB167625BSD	SLCSD625	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q1812-02	RINSE-EB-TANK-041525	SVOC-TCL BNA -20	910	6	RUPESH	ritesh	1	F		4
Q1812-03	RINSE-EB-PUMP-041525	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		5
Q1814-01	A3729	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	I		6
Q1822-01	TW-WTS-06	SVOCMS Group4	1000	6	RUPESH	ritesh	1	F		7

RS
4/17

* **Extracts relinquished on the same date as received.**

167625 10:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1812 **WorkList ID :** 188984 **Department :** Extraction **Date :** 04-17-2025 10:34:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1812-02	RINSE-EB-TANK-041525	Water	SVOC-TCL BNA -20	Cool 4 deg C	JACO05	L31	04/15/2025	8270E
Q1812-03	RINSE-EB-PUMP-041525	Water	SVOC-TCL BNA -20	Cool 4 deg C	JACO05	L31	04/15/2025	8270E
Q1814-01	A3729	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		04/16/2025	8270E
Q1822-01	TW-WTS-06	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	L21	04/15/2025	8270E

Date/Time 4/17/25 10:35
Raw Sample Received by: RJ (EXT-labs)
Raw Sample Relinquished by: [signature]

Date/Time 4/17/25 11:15
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (EXT-labs)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1812

Test : SVOC-TCL BNA -20

Prepbatch ID : PB167625,

Sequence ID/Qc Batch ID: BP041725,BP041825,BP041825,

Standard ID :
EP2569,EP2604,EP2865,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,SP6769,SP6770,

Chemical ID :
10ul/1000ul sample,E3551,E3874,E3876,E3902,E3904,E3926,M6121,S10104,S10397,S10584,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12534,S12577,S12649,S12658,S12659,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3319	6N HCL	EP2569	12/02/2024	05/13/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 12/02/2024

FROM 219.00000ml of M6121 + 781.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2604	04/16/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/16/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = 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
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 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)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = 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	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

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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-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 #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

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	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

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	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

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	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

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	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

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 #
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 #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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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	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

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	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11786

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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	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11787

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	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

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	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

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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	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

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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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

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

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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	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	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12479

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12480

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12481

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12482

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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	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12483

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12484

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12485

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

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

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12526

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12527

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12528

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12529

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12530

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12531

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12532

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

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	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

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,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

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	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

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	10/14/2025	04/14/2025 / Rahul	09/20/2024 / anahy	S12659

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

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	S12966

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12967

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12968

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12969

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12970

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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	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12971

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12972

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12973

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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-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
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
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 gravimetricllly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

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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-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.

CPI INTERNATIONAL

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Santa Rosa, CA 95403

(707)525-5788
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Audited & Registered
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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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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 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.

RESTEK
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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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
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.

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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Tel: 1-814-353-1300
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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

tes:

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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

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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

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.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

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

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

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

E 3902

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: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

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 3926

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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

R → 10/13/24
Met dig

M 6121

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

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

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James 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

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.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 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	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **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 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.

RESTEK
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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. : 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

511649 ↓ 511658 Y.P. 11/13/23

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.)

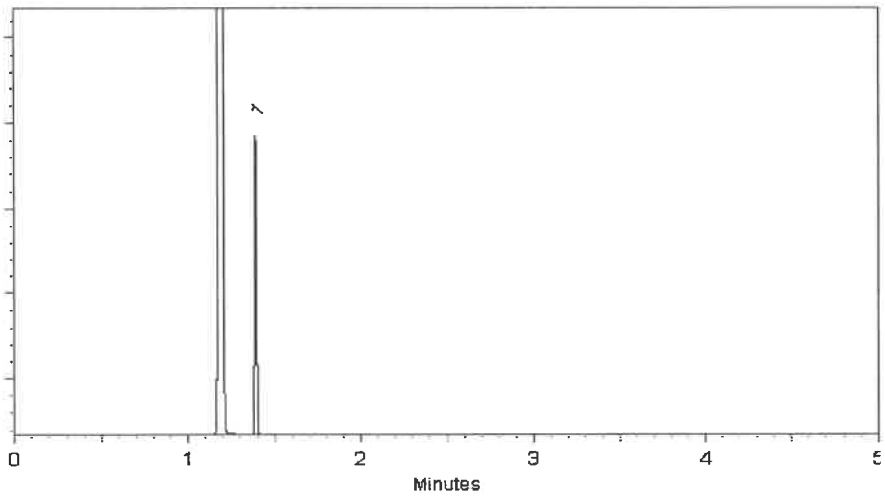
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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.

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:

- 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

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. : 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.)

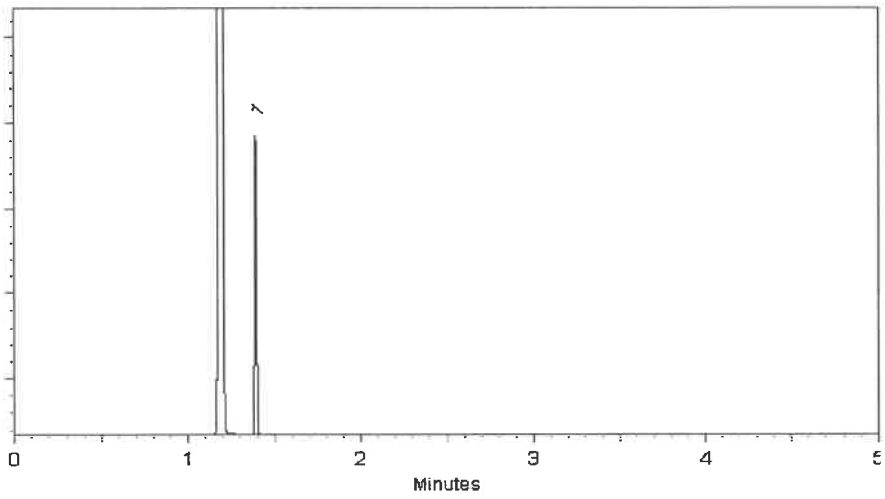
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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.

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:

- 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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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.)

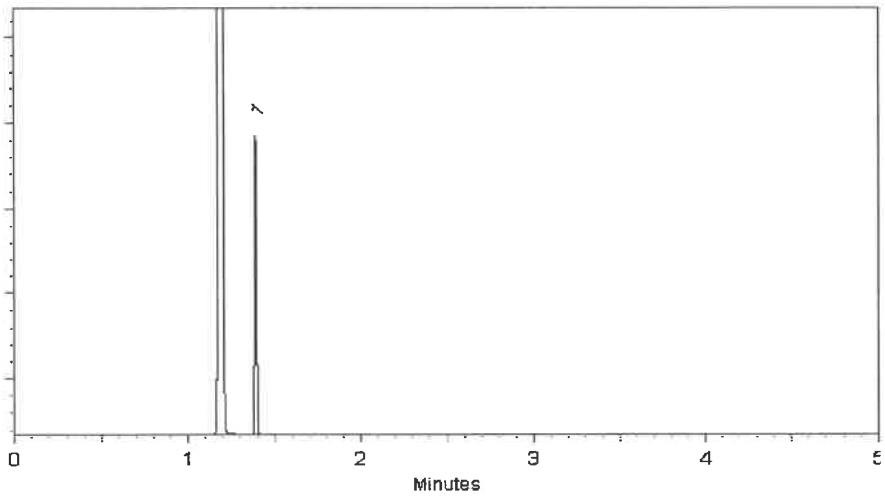
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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.

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:

- 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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.)

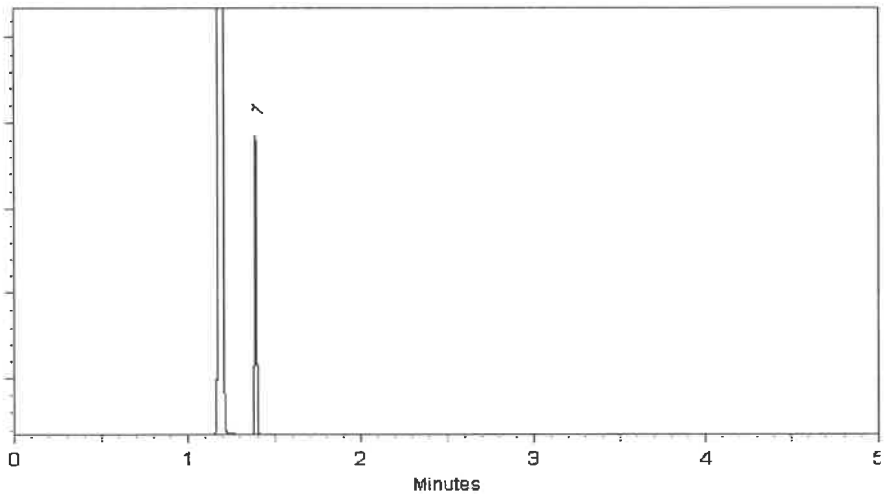
Inj. Temp:
250°C

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:

- 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-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.

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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. : 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.)

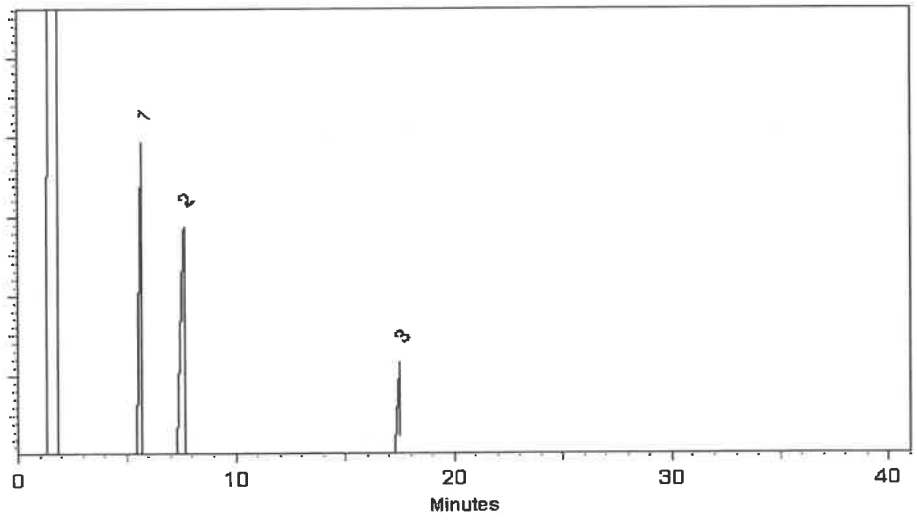
Inj. Temp:
250°C

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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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.)

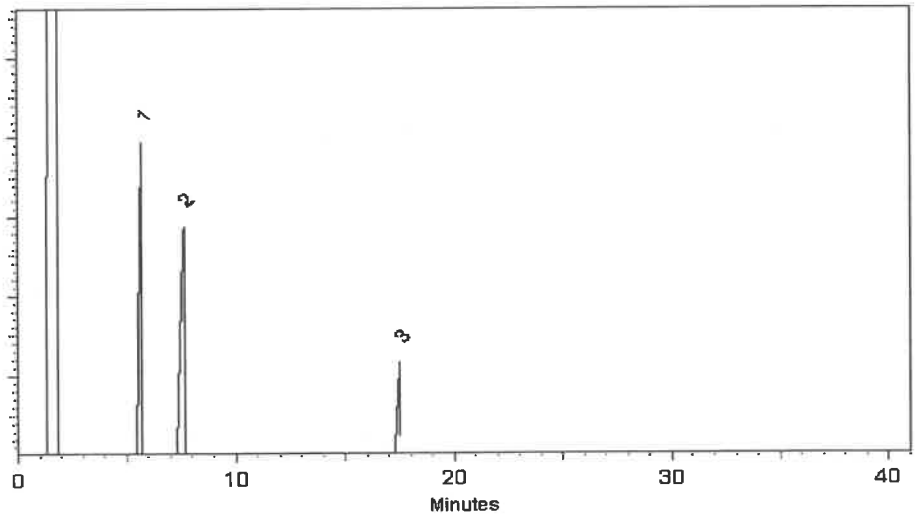
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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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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
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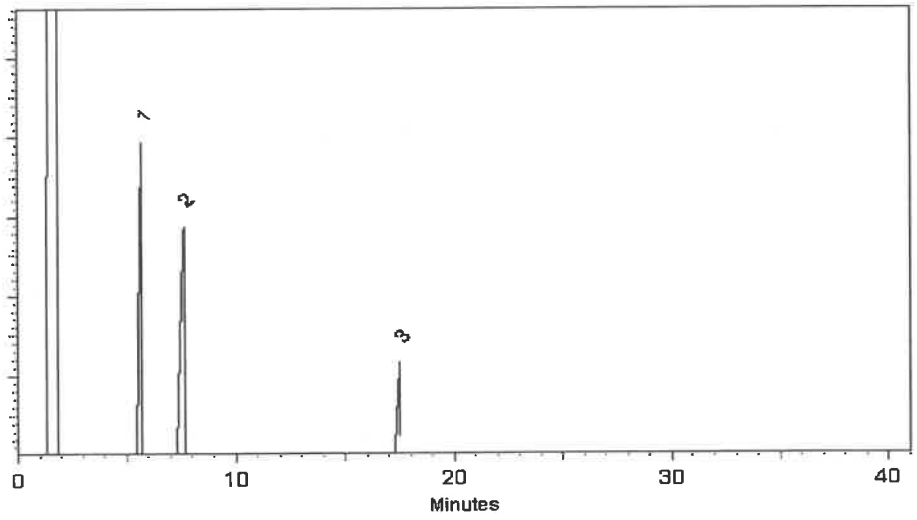
Inj. Temp:
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Det. Temp:
330°C

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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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.)

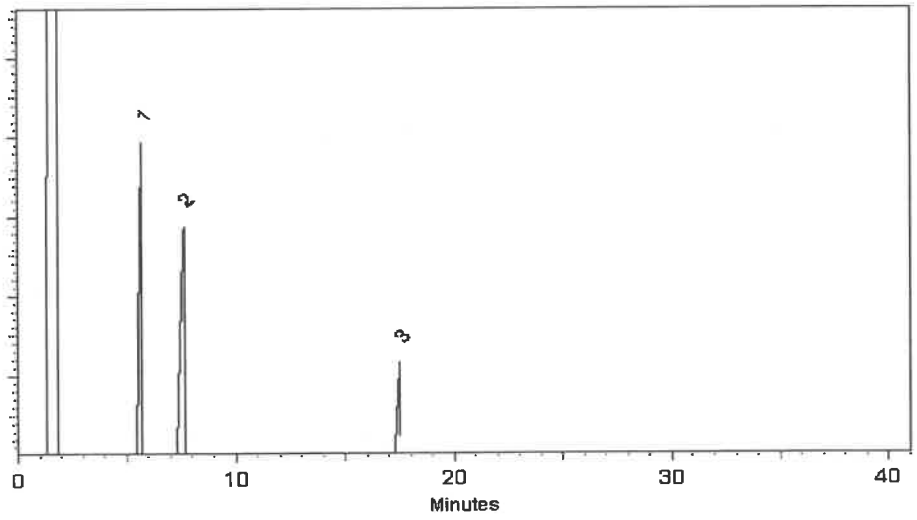
Inj. Temp:
250°C

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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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.)

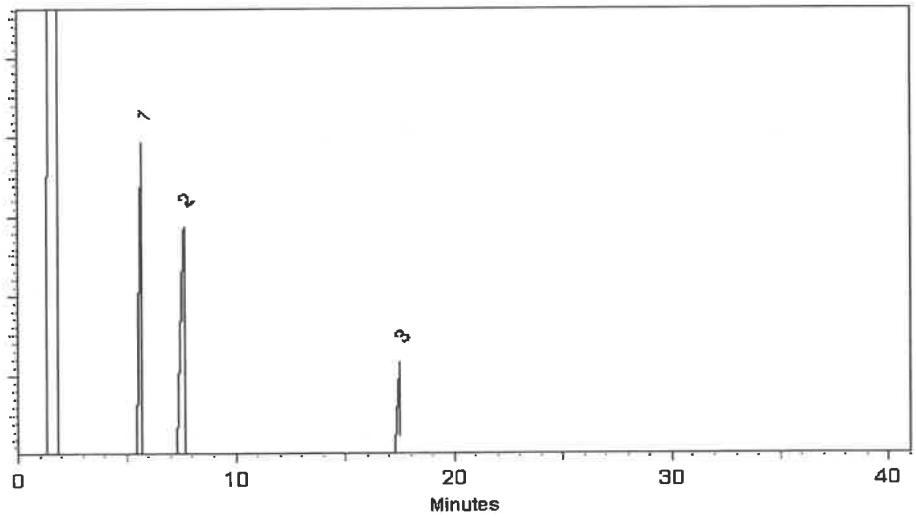
Inj. Temp:
250°C

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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Fax: 1-814-353-1309

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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. : 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.)

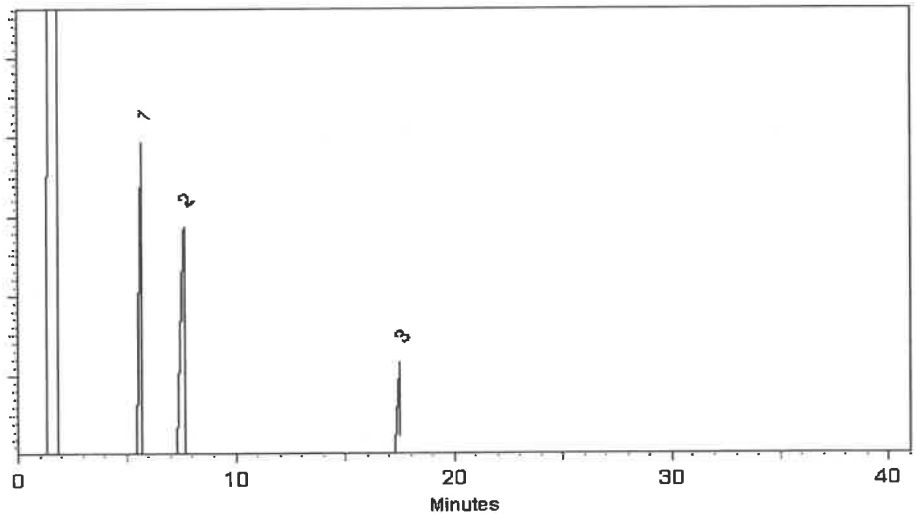
Inj. Temp:
250°C

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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Certificate of Analysis

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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.)

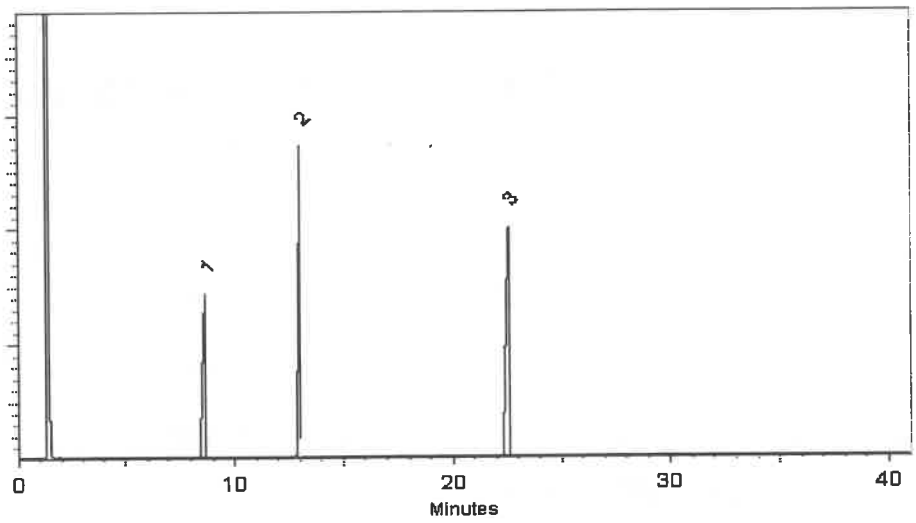
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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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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

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

S12207 ↓ S12221 RC/ 03/18/24

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.)

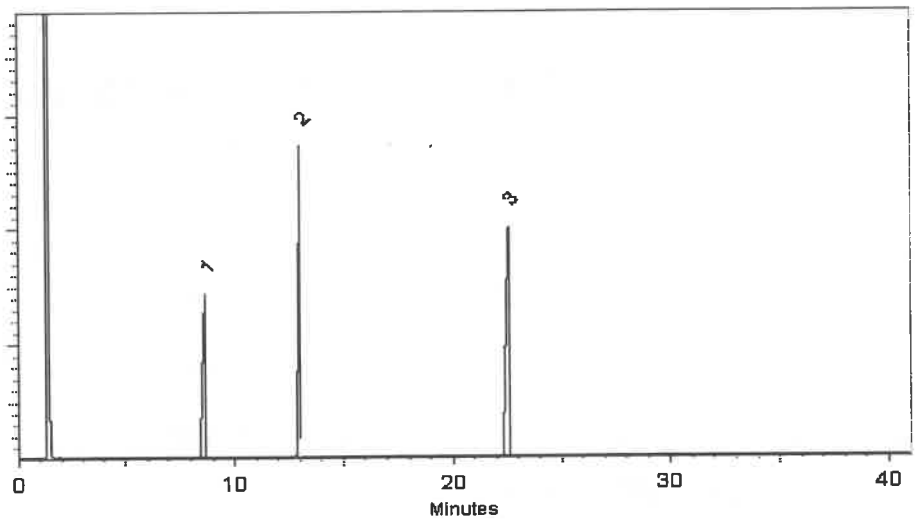
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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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. : 31086 **Lot No.:** A0206381

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 : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

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.)

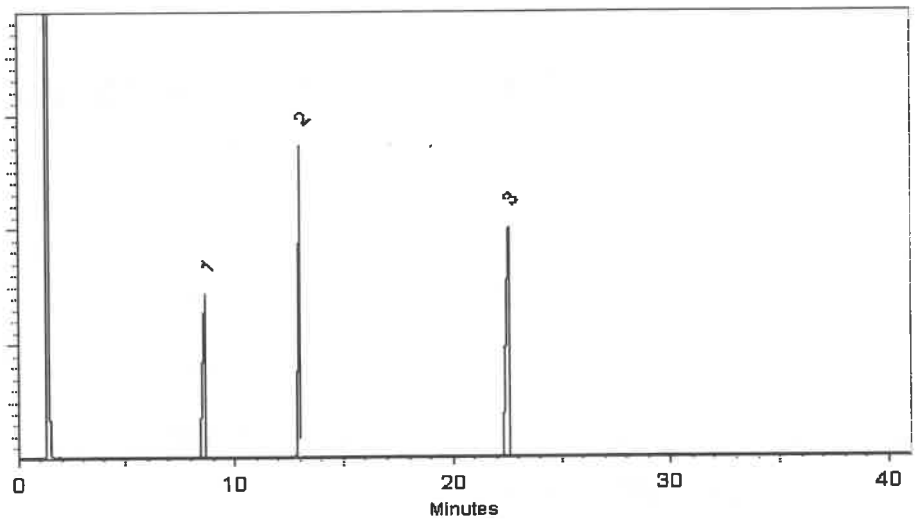
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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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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. : 31086 **Lot No.:** A0206381

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 : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

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.)

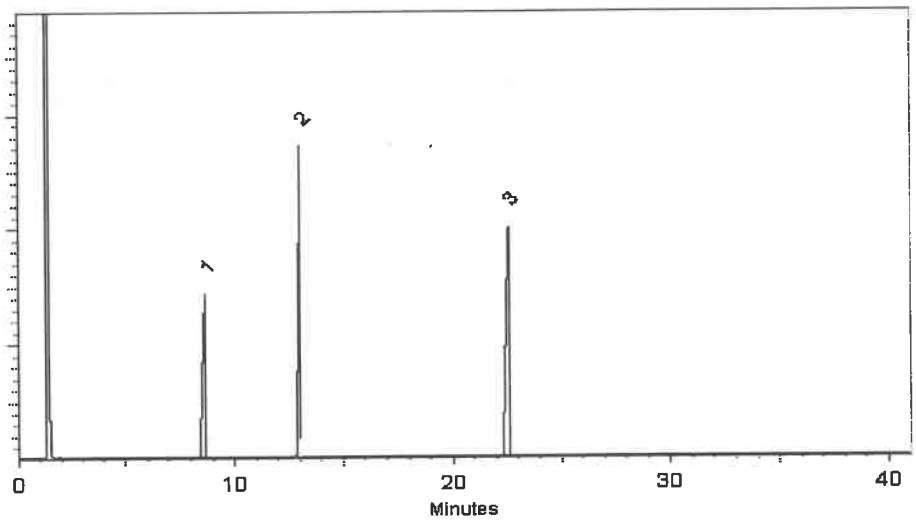
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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Catalog No. : 31086 **Lot No.:** A0206381

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 : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

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.)

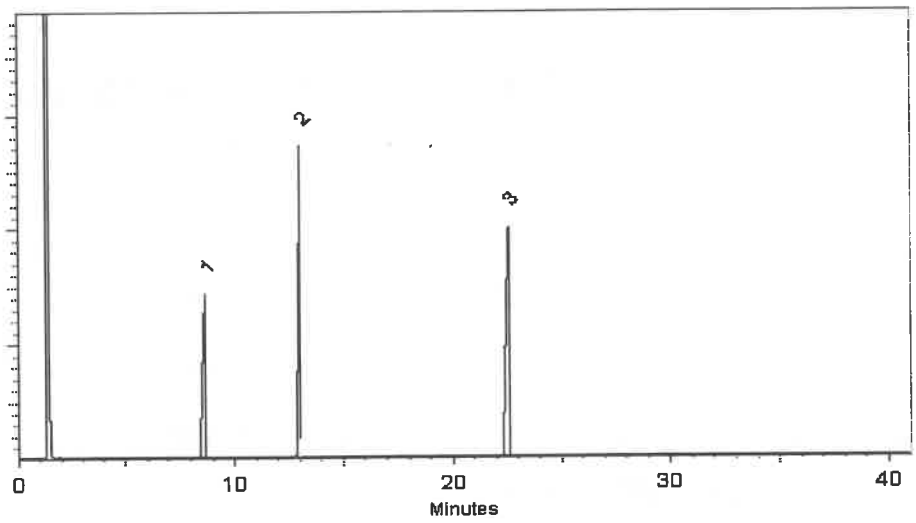
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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Certificate of Analysis

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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.)

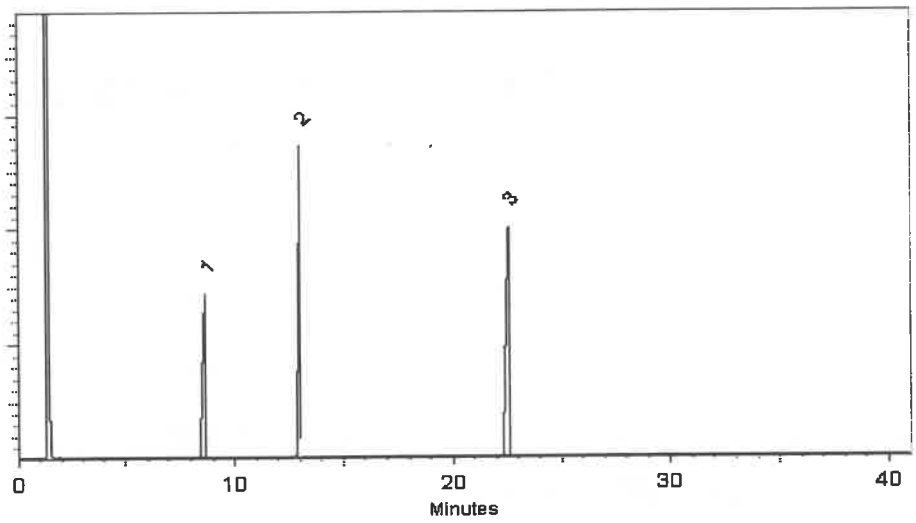
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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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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.)

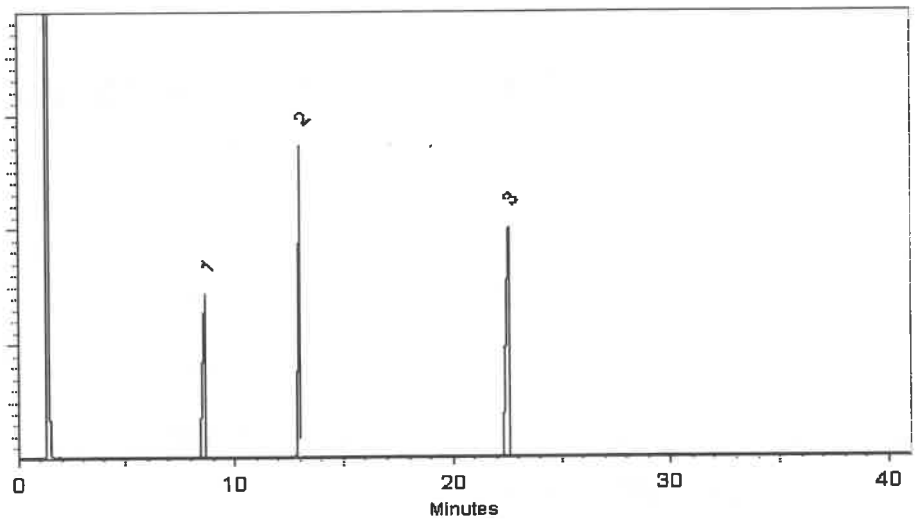
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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. : 31086 **Lot No.:** A0206381

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 : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

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.)

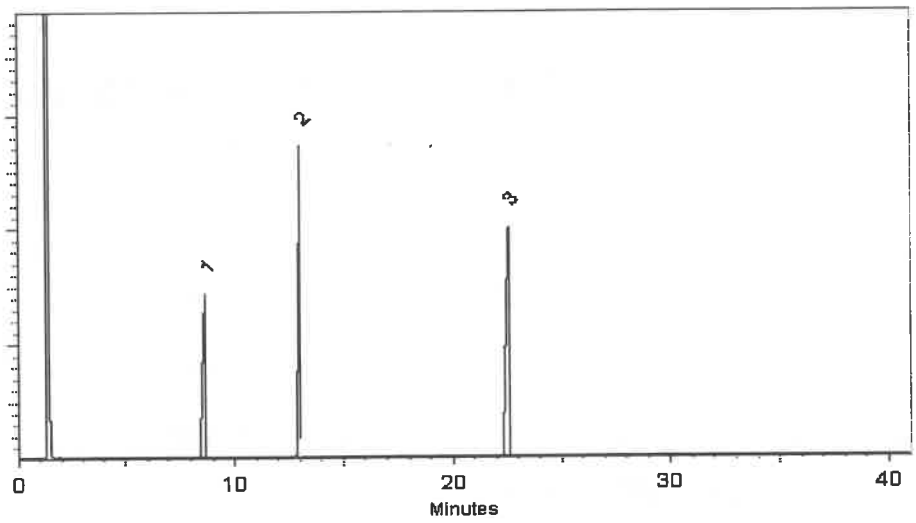
Inj. Temp:
250°C

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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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-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

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
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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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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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

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. : 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

Certificate of Analysis

gravimetric

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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
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:

- 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

Certificate of Analysis

gravimetric

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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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110 Benner Circle
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Fax: 1-814-353-1309

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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
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:

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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
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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)
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

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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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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

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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:

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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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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:

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  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
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
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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. : 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:

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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

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CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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)
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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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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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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:

- 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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110 Benner Circle
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Fax: 1-814-353-1309

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Certificate of Analysis

gravimetric

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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. : 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.
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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. : 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.
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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. : 31615 **Lot No.:** A0212955

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 : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 } RC 8/2/24

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.)

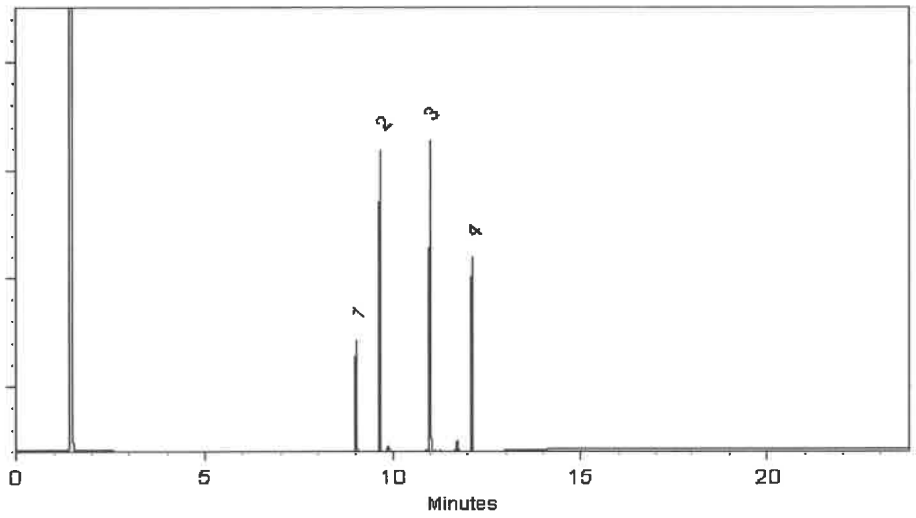
Inj. Temp:
250°C

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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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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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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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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.

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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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

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

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.

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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.:** 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.

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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.:** 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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

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

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.

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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.:** 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.

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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. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

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

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.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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. : 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
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.

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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

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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
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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
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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

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1812
COC Number 2046603

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yurkanin John.Yurkanin@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Rush TAT (48hr) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

1 TCL VOCs (8260D) 2 TCL SVOCs (8270E) 3. TAL Metals (6020B/7470A) 4 TPH - GRO (8015M) 5 TPH - DRO/ORO (8015M) 6 TPH Ext. TAL 7 8 9

ALLIANCE 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
								A/E	E	B/E	A/E	E	E				← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	TB01-041525	DI		X	4/15/25	1100	2	✓									
2.	RINSE-EB-TANK-041525	W		X	4/15/25	1120	8	✓	✓	✓	✓	✓	✓				
3.	RINSE-EB-PUMP-041525	W		X	4/15/25	1135	8	✓	✓	✓	✓	✓	✓				
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4/15/25 1640	1. 4/15/25 16:10
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.5 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1812 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 4/15/2025 4:26:00 PM
Project Name : Former Schlumberger STC
Receive DateTime : 4/15/2025 4:10:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 4/16/2025 9:55:15 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q1812-01	TB01-041525	Water	04/15/2025	11:00						
					VOC-TCLVOA-10		8260-Low	1 Bus. Day	04/17/2025	
Q1812-02	RINSE-EB-TANK-041525	Water	04/15/2025	11:20						
					VOC-TCLVOA-10		8260-Low	1 Bus. Day	04/17/2025	
Q1812-03	RINSE-EB-PUMP-041525	Water	04/15/2025	11:35						
					VOC-TCLVOA-10		8260-Low	1 Bus. Day	04/17/2025	

Relinquished By :
Date / Time : 4 15 25 16:30

Received By :
Date / Time : 4.15.25 16:30

Storage Area : VOA Refridgerator Room