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Cover Page

Order ID : Q1744

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1744-01	B-158-SB01
Q1744-02	B-158-SB01
Q1744-03	B-158-SB02
Q1744-04	B-158-SB02

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: 4/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1744
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 04/07/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TPH GC, Trivalent Chromium and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_M 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 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q1744-01MS} with File ID: BM049865.D recoveries met the requirements for all compounds except for 2,4-Dimethylphenol[144%], 3,3-Dichlorobenzidine[31%], 3-Nitroaniline[28%], 4-Chloroaniline[23%], Atrazine[139%] and Hexachlorocyclopentadiene [176%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, due to matrix interference therefore no corrective action is required .
.
The MSD {Q1744-01MSD} with File ID: BM049866.D recoveries met the acceptable requirements except for 2,4-Dimethylphenol[150%], 3,3-Dichlorobenzidine[32%], 3-Nitroaniline[28%], Atrazine[144%] and Hexachlorocyclopentadiene[184%],these compounds did not meet the NJDKQP criteria and in-house criteria, while 4-

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Chloroaniline[25%],this compound did not meet the NJDKQP criteria but met the in-house criteria, due to matrix interference therefore no corrective action is required.

The RPD met criteria .

The Blank Spike for {PB167509BS} with File ID: BM049947.D met requirements for all samples except for 3-Nitroaniline[65%], 4-Chloroaniline[48%] and Hexachlorocyclopentadiene[164%], these compounds did not meet the NJDKQP criteria but met the in-house criteria .

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

The % RSD is greater than 20% in the Initial Calibration (8270-BM040825.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression.

The Continuous Calibration File ID BM049944.D met the requirements except for Atrazine and Benzaldehyde, The associate samples have no positive hit for these compounds 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 7 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 <15% 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 > 15% 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1744**

	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: **MAYUR DESAI** **Date:** **04/18/2025**

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LAB CHRONICLE

OrderID:	Q1744	**OrderDate:**	4/7/2025 11:34:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1744-01	**B-158-SB01**	**SOIL**			**04/05/25**			**04/07/25**
			SVOC-TCL BNA -20	8270E		04/08/25	04/09/25	
Q1744-02	**B-158-SB01**	**TCLP**			**04/05/25**			**04/07/25**
			TCLP BNA	8270E		04/09/25	04/11/25	
Q1744-03	**B-158-SB02**	**SOIL**			**04/05/25**			**04/07/25**
			SVOC-TCL BNA -20	8270E		04/08/25	04/09/25	
Q1744-04	**B-158-SB02**	**TCLP**			**04/05/25**			**04/07/25**
			TCLP BNA	8270E		04/09/25	04/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B-158-SB01**								
Q1744-01	B-158-SB01	SOIL	Benzo(a)anthracene		81.900	J	25.5	190	ug/Kg
Q1744-01	B-158-SB01	SOIL	Chrysene		160.000	J	22.1	190	ug/Kg
Q1744-01	B-158-SB01	SOIL	Benzo(b)fluoranthene		160.000	J	21.1	190	ug/Kg
Q1744-01	B-158-SB01	SOIL	Benzo(k)fluoranthene		160.000	J	24.9	190	ug/Kg
			Total Svoc :		**561.90**				
Q1744-01	B-158-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	480.000	AB	0	0	ug/Kg
Q1744-01	B-158-SB01	SOIL	Cyclohexadecane	*	140.000	J	0	0	ug/Kg
Q1744-01	B-158-SB01	SOIL	n-Hexadecanoic acid	*	700.000	JB	0	0	ug/Kg
Q1744-01	B-158-SB01	SOIL	Octadecanoic acid	*	230.000	JB	0	0	ug/Kg
Q1744-01	B-158-SB01	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
			Total Tics :		**1,850.00**				
			Total Concentration:		**2,411.90**				
Client ID :	**B-158-SB02**								
Q1744-03	B-158-SB02	SOIL	Benzo(b)fluoranthene		150.000	J	33.9	300	ug/Kg
Q1744-03	B-158-SB02	SOIL	Benzo(k)fluoranthene		130.000	J	39.9	300	ug/Kg
			Total Svoc :		**280.00**				
Q1744-03	B-158-SB02	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	530.000	AB	0	0	ug/Kg
Q1744-03	B-158-SB02	SOIL	Benzophenone	*	460.000	J	0	0	ug/Kg
Q1744-03	B-158-SB02	SOIL	Cyclotetracosane	*	240.000	J	0	0	ug/Kg
Q1744-03	B-158-SB02	SOIL	n-Hexadecanoic acid	*	440.000	JB	0	0	ug/Kg
			Total Tics :		**1,670.00**				
			Total Concentration:		**1,950.00**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167509BL	PB167509BL	2-Fluorophenol	150	138	92		30 (18)	130 (112)
		Phenol-d6	150	134	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	95.5	95		30 (18)	130 (107)
		2-Fluorobiphenyl	100	96.3	96		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	146	97		30 (10)	130 (116)
		Terphenyl-d14	100	112	112		30 (10)	130 (105)
PB167509BS	PB167509BS	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	87.2	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	89.2	89		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	145	97		30 (10)	130 (116)
		Terphenyl-d14	100	101	101		30 (10)	130 (105)
Q1744-01	B-158-SB01	2-Fluorophenol	150	136	90		30 (18)	130 (112)
		Phenol-d6	150	136	91		30 (15)	130 (107)
		Nitrobenzene-d5	100	95.4	95		30 (18)	130 (107)
		2-Fluorobiphenyl	100	94.3	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	154	103		30 (10)	130 (116)
		Terphenyl-d14	100	106	106		30 (10)	130 (105)
Q1744-01MS	B-158-SB01MS	2-Fluorophenol	150	123	82		30 (18)	130 (112)
		Phenol-d6	150	125	83		30 (15)	130 (107)
		Nitrobenzene-d5	100	82.9	83		30 (18)	130 (107)
		2-Fluorobiphenyl	100	81.7	82		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	135	90		30 (10)	130 (116)
		Terphenyl-d14	100	89.4	89		30 (10)	130 (105)
Q1744-01MSD	B-158-SB01MSD	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	130	87		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.2	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.2	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	141	94		30 (10)	130 (116)
		Terphenyl-d14	100	93.3	93		30 (10)	130 (105)
Q1744-03	B-158-SB02	2-Fluorophenol	150	100	67		30 (18)	130 (112)
		Phenol-d6	150	101	67		30 (15)	130 (107)
		Nitrobenzene-d5	100	67.9	68		30 (18)	130 (107)
		2-Fluorobiphenyl	100	65.4	65		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	108	72		30 (10)	130 (116)
		Terphenyl-d14	100	74.8	75		30 (10)	130 (105)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1744-01MS		**Client Sample ID: B-158-SB01MS**						**DataFile: BM049865.D**			
Benzaldehyde	1800	0	1600	ug/Kg	89				20 (10)	160 (86)	
Phenol	1800	0	1900	ug/Kg	106				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1700	ug/Kg	94				70 (54)	130 (125)	
2-Chlorophenol	1800	0	1800	ug/Kg	100				70 (79)	130 (107)	
2-Methylphenol	1800	0	1900	ug/Kg	106				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1800	0	1700	ug/Kg	94				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	1900	ug/Kg	106				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100				70 (59)	130 (119)	
Hexachloroethane	1800	0	1700	ug/Kg	94				20 (65)	160 (117)	
Nitrobenzene	1800	0	1700	ug/Kg	94				70 (70)	130 (119)	
Isophorone	1800	0	1900	ug/Kg	106				70 (76)	130 (122)	
2-Nitrophenol	1800	0	1700	ug/Kg	94				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	2600	ug/Kg	144	*			70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1700	ug/Kg	94				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (118)	
Naphthalene	1800	0	1700	ug/Kg	94				70 (72)	130 (110)	
4-Chloroaniline	1800	0	410	ug/Kg	23	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1700	ug/Kg	94				70 (66)	130 (114)	
Caprolactam	1800	0	1700	ug/Kg	94				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1600	ug/Kg	89				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3700	0	6500	ug/Kg	176	*			20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1700	ug/Kg	94				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1700	ug/Kg	94				70 (67)	130 (118)	
2-Nitroaniline	1800	0	1800	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1700	ug/Kg	94				70 (70)	130 (113)	
Acenaphthylene	1800	0	1900	ug/Kg	106				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	1800	0	500	ug/Kg	28	*			70 (30)	130 (99)	
Acenaphthene	1800	0	1700	ug/Kg	94				70 (70)	130 (121)	
2,4-Dinitrophenol	3700	0	3100	ug/Kg	84				20 (10)	160 (155)	
4-Nitrophenol	3700	0	3900	ug/Kg	105				20 (45)	160 (133)	
Dibenzofuran	1800	0	1700	ug/Kg	94				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106				70 (55)	130 (128)	
Diethylphthalate	1800	0	1700	ug/Kg	94				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100				70 (71)	130 (108)	
Fluorene	1800	0	1800	ug/Kg	100				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1600	ug/Kg	89				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	1700	ug/Kg	94				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1700	ug/Kg	94				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1800	0	2500	ug/Kg	139	*			70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3700	0	3600	ug/Kg	97				20 (47)	160 (128)	
Phenanthrene	1800	0	1800	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1800	0	1800	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1800	0	1800	ug/Kg	100				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1700	ug/Kg	94				70 (69)	130 (118)	
Fluoranthene	1800	0	1800	ug/Kg	100				70 (44)	130 (125)	
Pyrene	1800	0	1700	ug/Kg	94				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	1600	ug/Kg	89				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	550	ug/Kg	31	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	81.9	1800	ug/Kg	95				70 (71)	130 (114)	
Chrysene	1800	160	1900	ug/Kg	97				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	1700	ug/Kg	94				70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	1600	ug/Kg	89				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	160	1900	ug/Kg	97				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	160	1900	ug/Kg	97				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	1900	ug/Kg	106				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	1800	ug/Kg	100				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	1800	ug/Kg	100				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	1700	ug/Kg	94				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1700	ug/Kg	94				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1600	ug/Kg	89				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1700	ug/Kg	94				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1744-01MSD		**Client Sample ID: B-158-SB01MSD**						**DataFile: BM049866.D**			
Benzaldehyde	1800	0	1600	ug/Kg	89		0		20 (10)	160 (86)	30 (20)
Phenol	1800	0	1900	ug/Kg	106		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1800	ug/Kg	100		6		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	1900	ug/Kg	106		6		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	2000	ug/Kg	111		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	1900	ug/Kg	106		6		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	1800	ug/Kg	100		6		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	2000	ug/Kg	111		5		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106		6		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1800	ug/Kg	100		6		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1800	ug/Kg	100		6		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	1900	ug/Kg	106		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	1800	ug/Kg	100		6		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	2700	ug/Kg	150	*	4		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100		6		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1700	ug/Kg	94		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	450	ug/Kg	25	*	8		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1800	ug/Kg	100		6		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	1800	ug/Kg	100		6		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	1900	ug/Kg	106		6		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1600	ug/Kg	89		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3700	0	6800	ug/Kg	184	*	4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1800	ug/Kg	100		6		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1800	ug/Kg	100		6		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	1900	ug/Kg	106		6		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	1800	ug/Kg	100		6		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	1900	ug/Kg	106		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106		6		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	510	ug/Kg	28	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	1800	ug/Kg	100		6		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3700	0	3200	ug/Kg	86		2		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3700	0	4100	ug/Kg	111		6		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1700	ug/Kg	94		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	1800	ug/Kg	100		6		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1900	ug/Kg	106		6		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1800	ug/Kg	100		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	1700	ug/Kg	94		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	1800	ug/Kg	100		6		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	1800	ug/Kg	100		6		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	2600	ug/Kg	144	*	4		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3700	0	3700	ug/Kg	100		3		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	1800	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	1900	ug/Kg	106		6		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	1900	ug/Kg	106		6		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	1800	ug/Kg	100		6		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	1900	ug/Kg	106		6		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	1800	ug/Kg	100		6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	1700	ug/Kg	94		5		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	580	ug/Kg	32	*	3		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	81.9	1900	ug/Kg	101		6		70 (71)	130 (114)	30 (20)
Chrysene	1800	160	1900	ug/Kg	97		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	1700	ug/Kg	94		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	1700	ug/Kg	94		5		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	160	1900	ug/Kg	97		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	160	2000	ug/Kg	102		5		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	2000	ug/Kg	111		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	1900	ug/Kg	106		6		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	1900	ug/Kg	106		6		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	1800	ug/Kg	100		6		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100		6		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1600	ug/Kg	89		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	1800	ug/Kg	100		6		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM049947.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167509BS	Benzaldehyde	1700	1100	ug/Kg	65				20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	2200	ug/Kg	129				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	820	ug/Kg	48		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5400	ug/Kg	164		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1100	ug/Kg	65		*		70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				20 (37)	160 (128)	
	4-Nitrophenol	3300	3200	ug/Kg	97				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM049947.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167509BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	2200	ug/Kg	129				70 (47)	130 (152)	
	Pentachlorophenol	3300	3100	ug/Kg	94				20 (67)	160 (105)	
	Phenanthrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Anthracene	1700	1700	ug/Kg	100				70 (61)	130 (105)	
	Carbazole	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1600	ug/Kg	94				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167509BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BM049877.D Lab Sample ID: PB167509BL

Instrument ID: BNA_M Date Extracted: 04/08/2025

Matrix: (soil/water) SOIL Date Analyzed: 04/10/2025

Level: (low/med) LOW Time Analyzed: 10:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167509BS	PB167509BS	BM049947.D	04/16/2025
B-158-SB01	Q1744-01	BM049864.D	04/09/2025
B-158-SB01MS	Q1744-01MS	BM049865.D	04/09/2025
B-158-SB01MSD	Q1744-01MSD	BM049866.D	04/09/2025
B-158-SB02	Q1744-03	BM049869.D	04/09/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BM049847.D DFTPP Injection Date: 04/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 12:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.1
68	Less than 2.0% of mass 69	0.3 (1.2) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	81.2
443	15.0 - 24.0% of mass 442	15.3 (18.8) 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	BM049848.D	04/08/2025	13:35
SSTDICC005	SSTDICC005	BM049849.D	04/08/2025	14:14
SSTDICC010	SSTDICC010	BM049850.D	04/08/2025	14:53
SSTDICC020	SSTDICC020	BM049851.D	04/08/2025	15:32
SSTDICCC040	SSTDICCC040	BM049852.D	04/08/2025	16:12
SSTDICC050	SSTDICC050	BM049853.D	04/08/2025	17:30
SSTDICC060	SSTDICC060	BM049854.D	04/08/2025	19:28
SSTDICC080	SSTDICC080	BM049855.D	04/08/2025	20:07

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BM049858.D DFTPP Injection Date: 04/09/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.4
442	Greater than 50% of mass 198	71.5
443	15.0 - 24.0% of mass 442	13.8 (19.3) 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	BM049859.D	04/09/2025	09:09
B-158-SB01	Q1744-01	BM049864.D	04/09/2025	12:29
B-158-SB01MS	Q1744-01MS	BM049865.D	04/09/2025	13:08
B-158-SB01MSD	Q1744-01MSD	BM049866.D	04/09/2025	13:47
B-158-SB02	Q1744-03	BM049869.D	04/09/2025	15:45

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BM049875.D DFTPP Injection Date: 04/10/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.6
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	25.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.2
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	76
443	15.0 - 24.0% of mass 442	15 (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	BM049876.D	04/10/2025	09:32
PB167509BL	PB167509BL	BM049877.D	04/10/2025	10:11

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BM049943.D DFTPP Injection Date: 04/16/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	27.6
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.1
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	26.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	75.3
443	15.0 - 24.0% of mass 442	14.6 (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	BM049944.D	04/16/2025	09:28
PB167509BS	PB167509BS	BM049947.D	04/16/2025	11:26

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BM049859.D Time Analyzed: 09:09

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	296698	7.775	1015270	10.57	639621	14.42
	UPPER LIMIT	593396	8.275	2030540	11.069	1279240	14.922
	LOWER LIMIT	148349	7.275	507635	10.069	319811	13.922
	EPA SAMPLE NO.						
01	B-158-SB01MS	298114	7.78	1050150	10.57	691142	14.42
02	B-158-SB01MSD	285351	7.78	1005760	10.57	663787	14.42
03	B-158-SB02	345979	7.78	1234000	10.58	818312	14.42
04	B-158-SB01	270450	7.78	926727	10.57	601767	14.42

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.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BM049859.D Time Analyzed: 09:09

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1259630	17.163	1253560	21.398	1316820	24.397
	UPPER LIMIT	2519260	17.663	2507120	21.898	2633640	24.897
	LOWER LIMIT	629815	16.663	626780	20.898	658410	23.897
	EPA SAMPLE NO.						
01	B-158-SB01MS	1385050	17.16	1462180	21.40	1514540	24.39
02	B-158-SB01MSD	1342340	17.16	1401870	21.40	1461450	24.39
03	B-158-SB02	1627510	17.16	1500410	21.40	1632310	24.40
04	B-158-SB01	1216380	17.16	1277210	21.40	1378200	24.39

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.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BM049876.D Time Analyzed: 09:32

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	319220	7.781	1042650	10.57	653251	14.42
	UPPER LIMIT	638440	8.281	2085300	11.074	1306500	14.921
	LOWER LIMIT	159610	7.281	521325	10.074	326626	13.921
	EPA SAMPLE NO.						
01	PB167509BL	304918	7.78	1031960	10.57	649646	14.42

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.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BM049876.D Time Analyzed: 09:32

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1279700	17.162	1240970	21.397	1368350	24.397
	UPPER LIMIT	2559400	17.662	2481940	21.897	2736700	24.897
	LOWER LIMIT	639850	16.662	620485	20.897	684175	23.897
	EPA SAMPLE NO.						
01	PB167509BL	1225290	17.16	1173500	21.40	1306480	24.40

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.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/16/2025

Lab File ID: BM049944.D Time Analyzed: 09:28

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	390253	7.769	1356600	10.56	881748	14.42
	UPPER LIMIT	780506	8.269	2713200	11.063	1763500	14.916
	LOWER LIMIT	195127	7.269	678300	10.063	440874	13.916
	EPA SAMPLE NO.						
01	PB167509BS	335569	7.77	1154160	10.56	723173	14.42

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.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/16/2025

Lab File ID: BM049944.D Time Analyzed: 09:28

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1791610	17.163	1770470	21.403	1819920	24.409
	UPPER LIMIT	3583220	17.663	3540940	21.903	3639840	24.909
	LOWER LIMIT	895805	16.663	885235	20.903	909960	23.909
	EPA SAMPLE NO.						
01	PB167509BS	1408530	17.16	1396790	21.40	1468800	24.40

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:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049864.D	1	04/08/25 08:59	04/09/25 12:29	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	370	ug/Kg
108-95-2	Phenol	24.5	U	24.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.0	U	27.0	190	ug/Kg
95-57-8	2-Chlorophenol	27.1	U	27.1	190	ug/Kg
95-48-7	2-Methylphenol	33.2	U	33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.6	U	41.6	190	ug/Kg
98-86-2	Acetophenone	32.8	U	32.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.6	U	45.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.6	U	52.6	88.8	ug/Kg
67-72-1	Hexachloroethane	19.5	U	19.5	190	ug/Kg
98-95-3	Nitrobenzene	20.3	U	20.3	190	ug/Kg
78-59-1	Isophorone	36.4	U	36.4	190	ug/Kg
88-75-5	2-Nitrophenol	64.6	U	64.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	72.0	U	72.0	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.2	U	34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.4	U	31.4	190	ug/Kg
91-20-3	Naphthalene	25.2	U	25.2	190	ug/Kg
106-47-8	4-Chloroaniline	39.3	UQ	39.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.1	U	28.1	190	ug/Kg
105-60-2	Caprolactam	57.9	U	57.9	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.9	U	31.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.4	U	28.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	UQ	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.0	U	22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.3	U	32.3	190	ug/Kg
92-52-4	1,1-Biphenyl	24.2	U	24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.0	U	25.0	190	ug/Kg
88-74-4	2-Nitroaniline	53.4	U	53.4	190	ug/Kg
131-11-3	Dimethylphthalate	30.1	U	30.1	190	ug/Kg

Raw Data: **BM049864.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049864.D	1	04/08/25 08:59	04/09/25 12:29	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.1	U	32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.3	U	37.3	190	ug/Kg
99-09-2	3-Nitroaniline	51.1	UQ	51.1	190	ug/Kg
83-32-9	Acenaphthene	23.7	U	23.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.2	U	25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.6	U	55.6	190	ug/Kg
84-66-2	Diethylphthalate	31.4	U	31.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.6	U	29.6	190	ug/Kg
86-73-7	Fluorene	28.1	U	28.1	190	ug/Kg
100-01-6	4-Nitroaniline	71.3	U	71.3	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.5	U	36.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.9	U	30.9	190	ug/Kg
118-74-1	Hexachlorobenzene	28.1	U	28.1	190	ug/Kg
1912-24-9	Atrazine	37.8	U	37.8	190	ug/Kg
87-86-5	Pentachlorophenol	57.0	U	57.0	370	ug/Kg
85-01-8	Phenanthrene	23.2	U	23.2	190	ug/Kg
120-12-7	Anthracene	37.0	U	37.0	190	ug/Kg
86-74-8	Carbazole	34.6	U	34.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.2	U	53.2	190	ug/Kg
206-44-0	Fluoranthene	33.3	U	33.3	190	ug/Kg
129-00-0	Pyrene	40.0	U	40.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	79.3	U	79.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.8	U	40.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	81.9	J	25.5	190	ug/Kg
218-01-9	Chrysene	160	J	22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.7	U	65.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	96.4	U	96.4	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	21.1	190	ug/Kg

Raw Data: **BM049864.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049864.D	1	04/08/25 08:59	04/09/25 12:29	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	J	24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.8	U	32.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.3	U	32.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.4	U	30.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.5	U	28.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.4	U	28.4	190	ug/Kg
123-91-1	1,4-Dioxane	50.2	U	50.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.4	U	30.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	136		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	136		30 (15) - 130 (107)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.4		30 (18) - 130 (107)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.3		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		30 (10) - 130 (116)	103%	SPK: 150
1718-51-0	Terphenyl-d14	106		30 (10) - 130 (105)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.775			
1146-65-2	Naphthalene-d8	927000	10.569			
15067-26-2	Acenaphthene-d10	602000	14.416			
1517-22-2	Phenanthrene-d10	1220000	17.163			
1719-03-5	Chrysene-d12	1280000	21.398			
1520-96-3	Perylene-d12	1380000	24.391			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	480	AB		4.89	ug/Kg
000119-61-9	Benzophenone	300	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	700	JB		18.1	ug/Kg
000057-11-4	Octadecanoic acid	230	JB		19.3	ug/Kg
000295-65-8	Cyclohexadecane	140	J		21.1	ug/Kg

Raw Data: **BM049864.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049864.D	1	04/08/25 08:59	04/09/25 12:29	PB167509

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Time: Apr 09 13:05:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

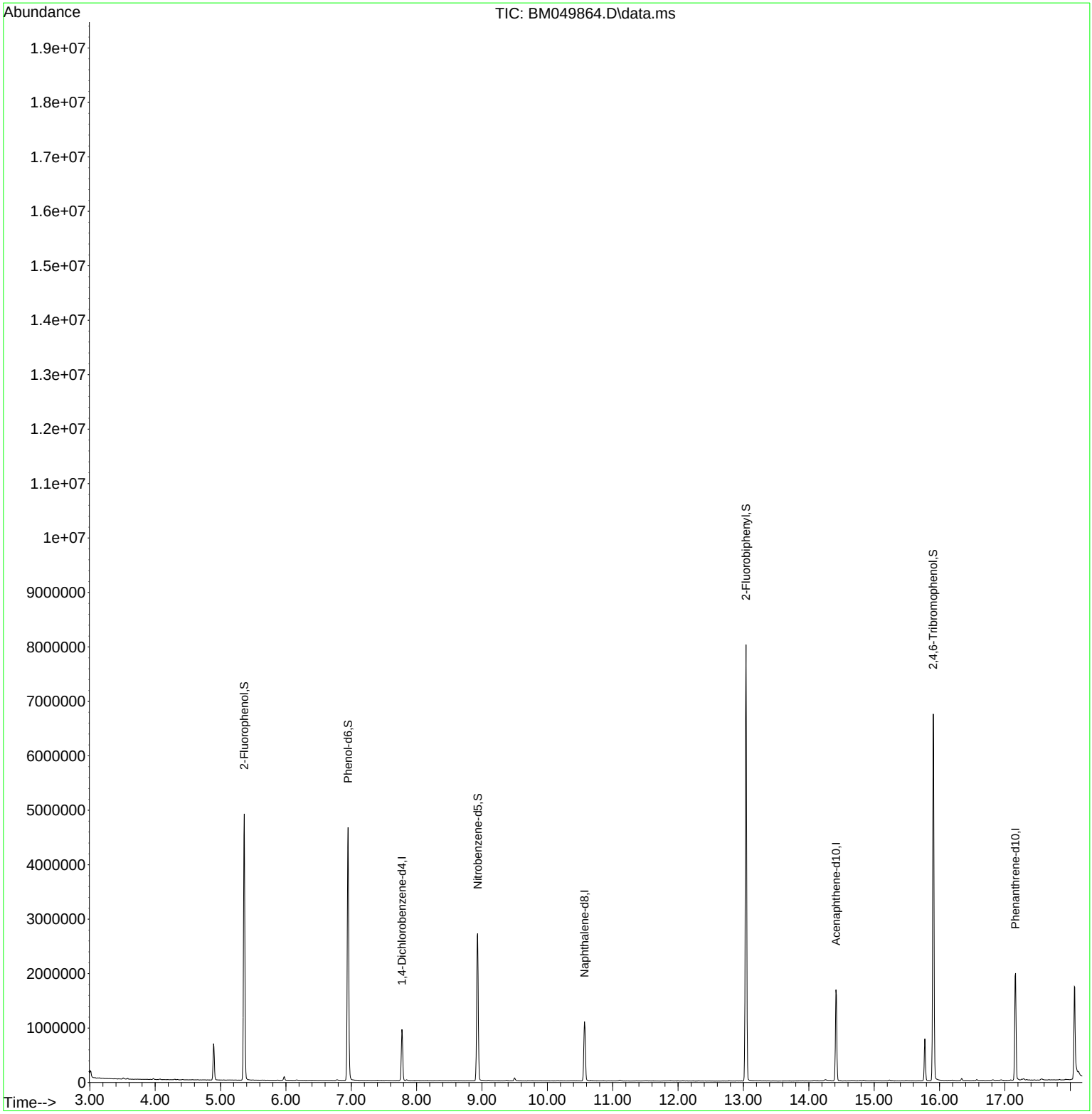
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	270450	20.000	ng		0.00
21) Naphthalene-d8	10.569	136	926727	20.000	ng		0.00
39) Acenaphthene-d10	14.416	164	601767	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1216375	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1277210	20.000	ng		0.00
86) Perylene-d12	24.391	264	1378204	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2159201	135.570	ng		0.00
7) Phenol-d6	6.951	99	2699671	136.237	ng		0.00
23) Nitrobenzene-d5	8.934	82	1587724	95.403	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1347067	153.899	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	4184517	94.293	ng		0.00
79) Terphenyl-d14	19.786	244	7257247	106.486	ng		0.00
Target Compounds							Qvalue
81) Benzo(a)anthracene	21.380	228	187777	2.212	ng		99
83) Chrysene	21.439	228	343227	4.253	ng		99
88) Benzo(b)fluoranthene	23.444	252	385800	4.383	ng		99
89) Benzo(k)fluoranthene	23.503	252	369571	4.333	ng	#	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Time: Apr 09 13:05:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

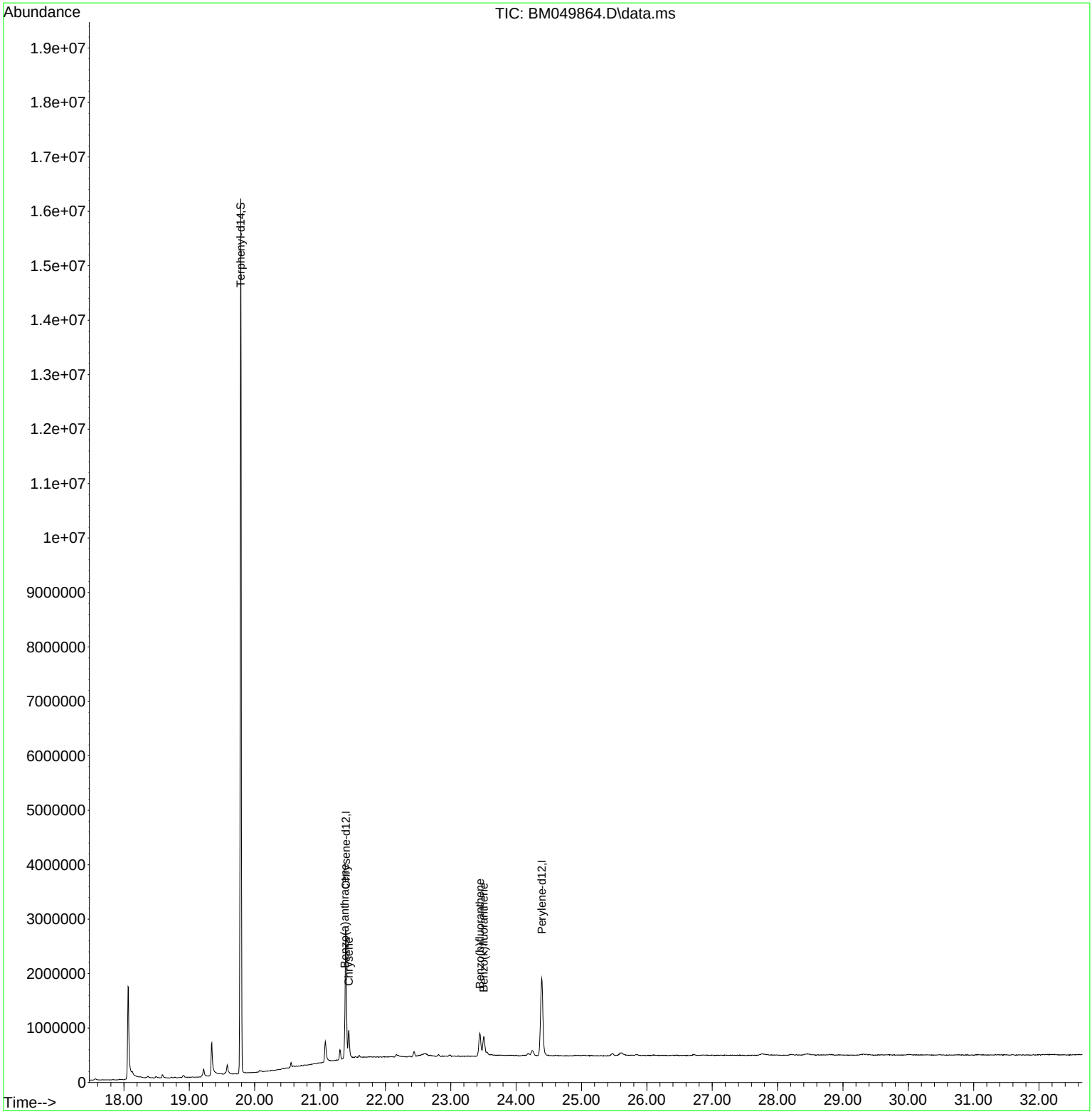


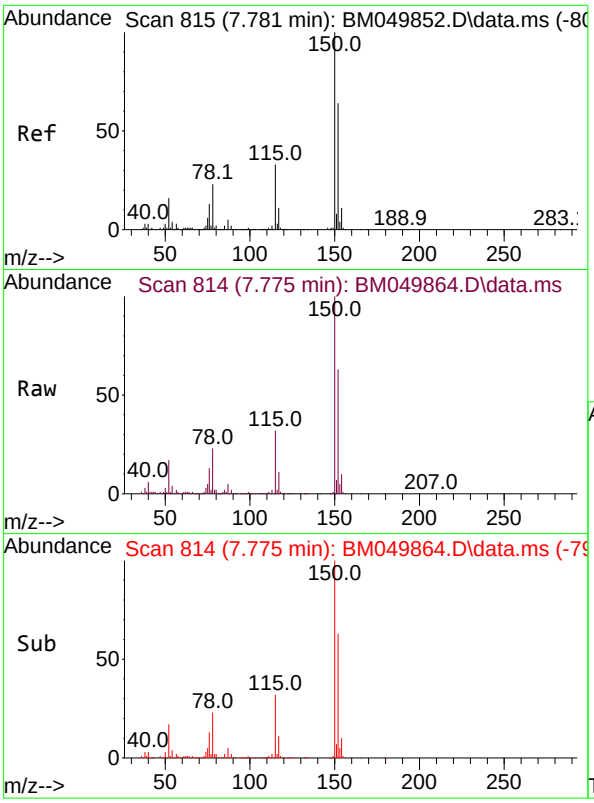
Sample Results: **BM049864.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Time: Apr 09 13:05:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



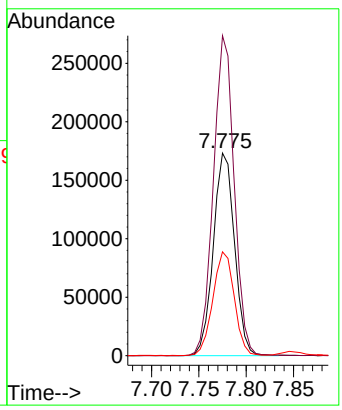


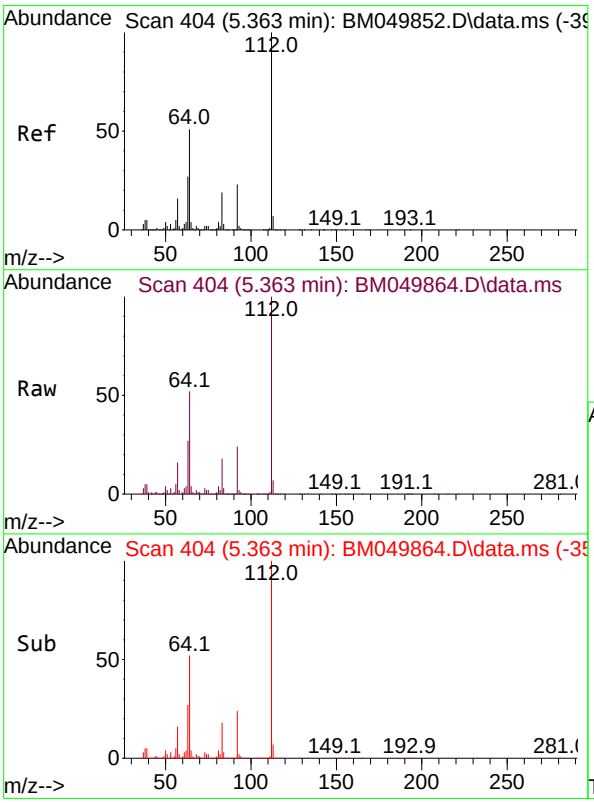
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:152 Resp: 270450

Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.3	186.5
115	51.3	41.1	61.7

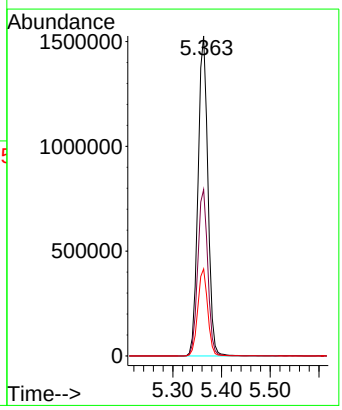


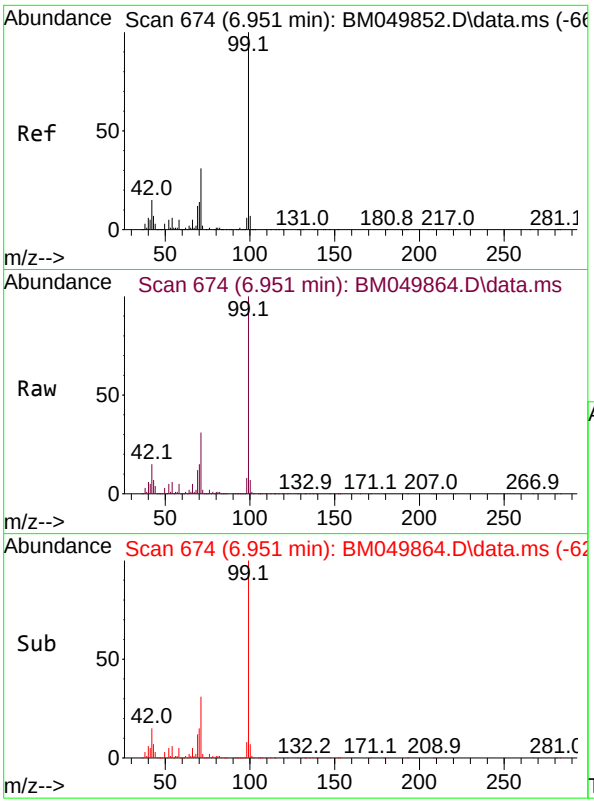


#5
2-Fluorophenol
Concen: 135.570 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:112 Resp: 2159201

Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.0	61.6
63	27.2	21.5	32.3



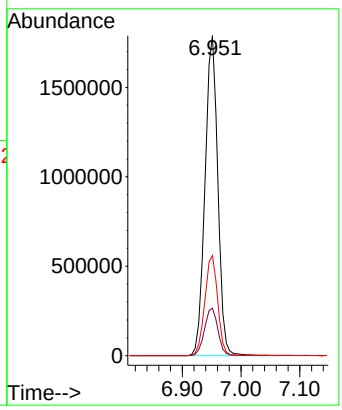


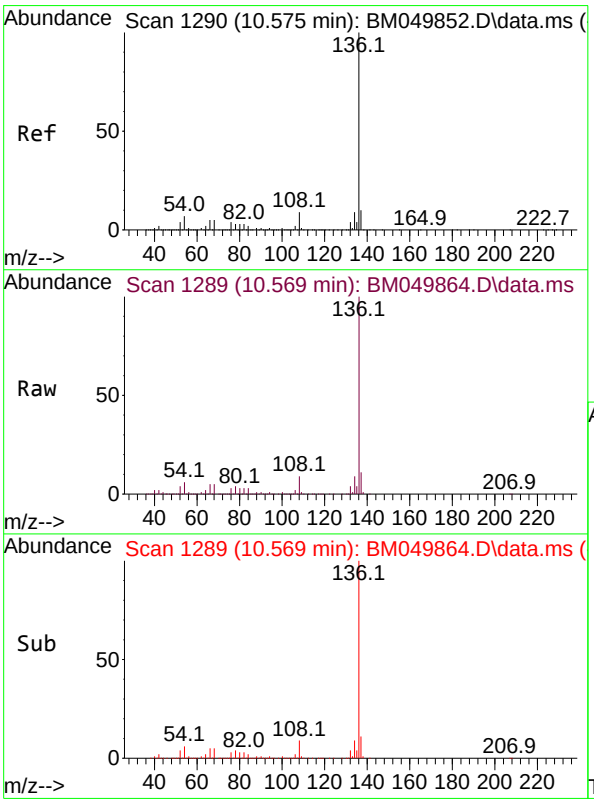
#7
Phenol-d6
Concen: 136.237 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion: 99 Resp: 2699671

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.1	18.1
71	31.3	24.9	37.3

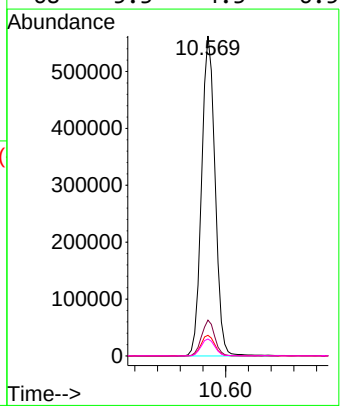


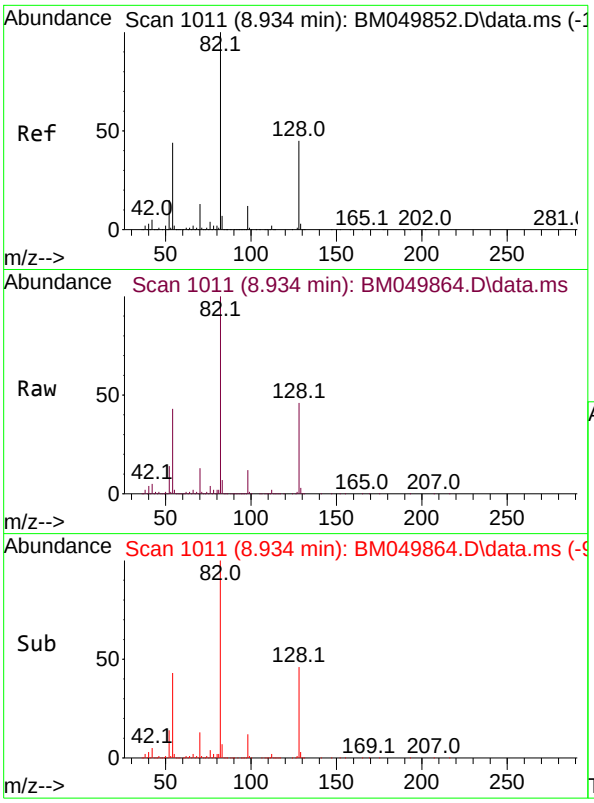


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:136 Resp: 926727

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	6.4	5.3	7.9
68	5.3	4.3	6.5



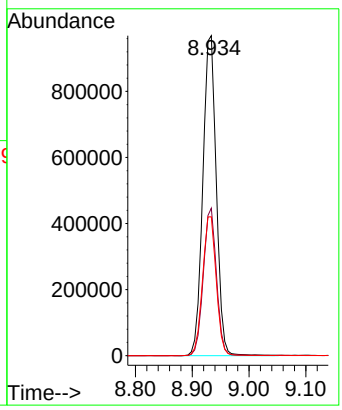


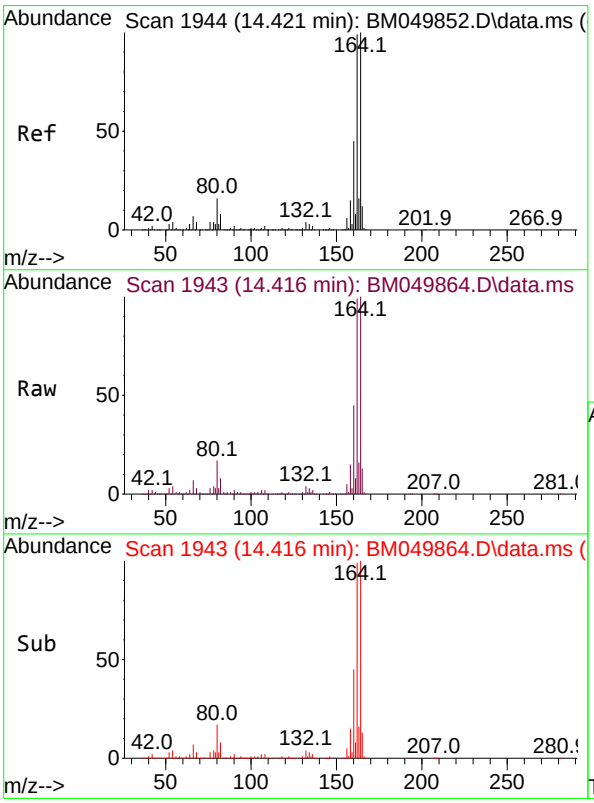
#23
Nitrobenzene-d5
Concen: 95.403 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion: 82 Resp: 1587724

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.2
54	43.4	35.0	52.6

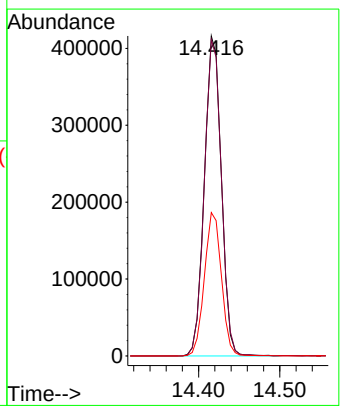


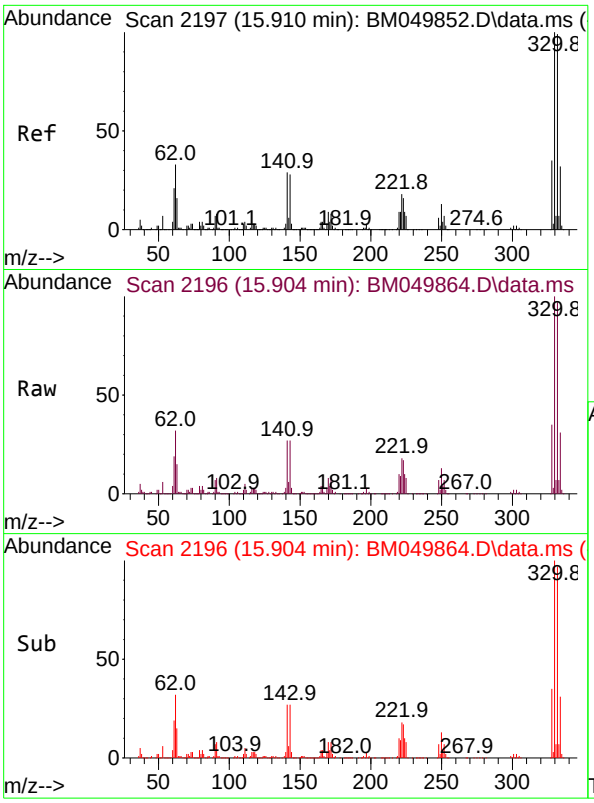


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:164 Resp: 601767

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.4	119.0
160	44.8	36.2	54.2



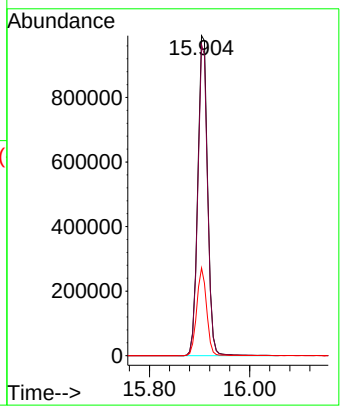


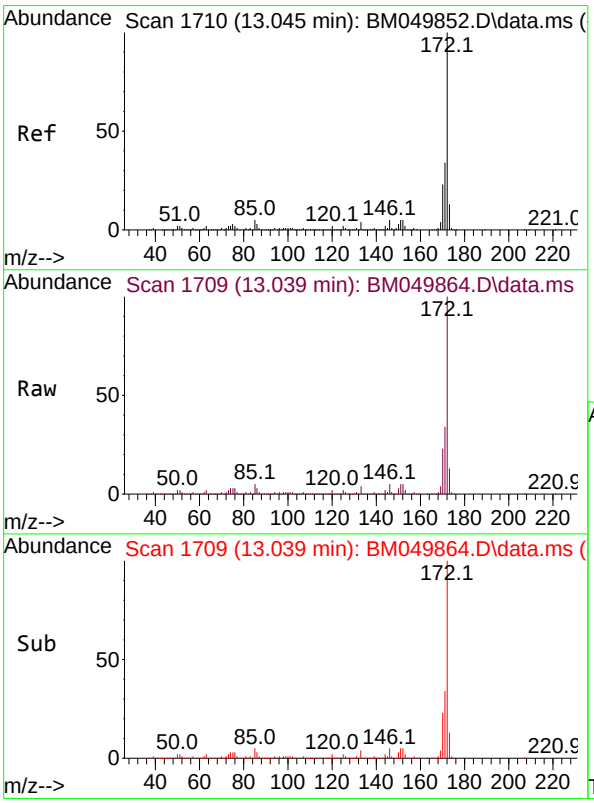
#42
2,4,6-Tribromophenol
Concen: 153.899 ng
RT: 15.904 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:330 Resp: 1347067

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.0	117.0
141	27.4	23.5	35.3

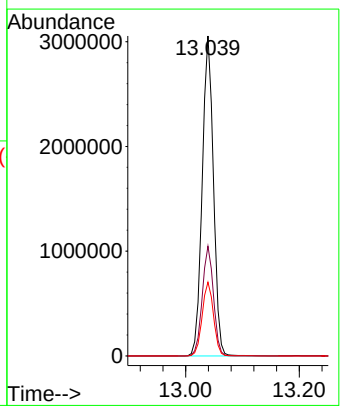


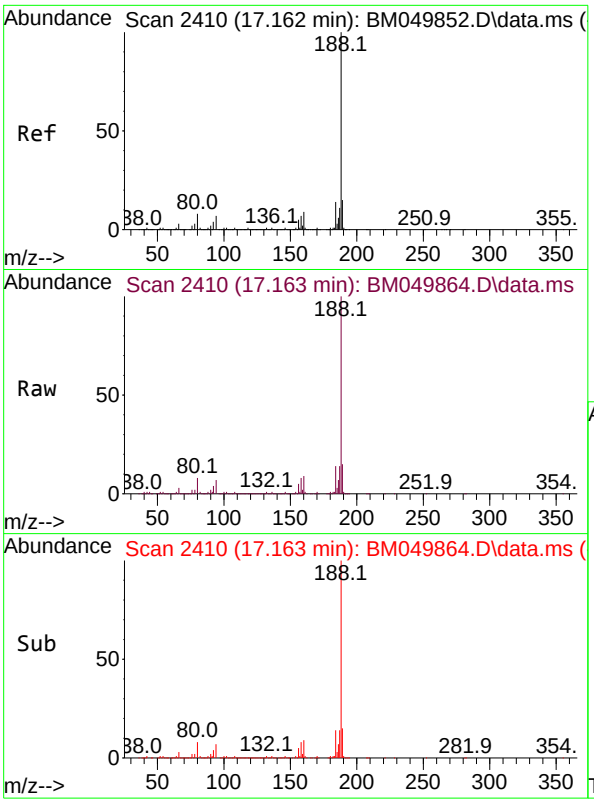


#45
2-Fluorobiphenyl
Concen: 94.293 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:172 Resp: 4184517

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.2
170	23.1	18.6	28.0



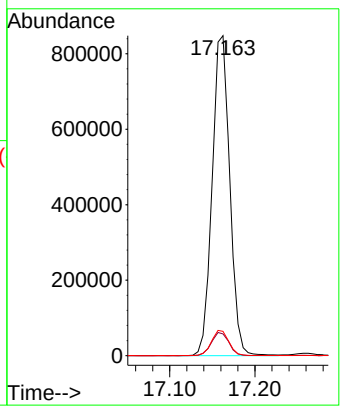


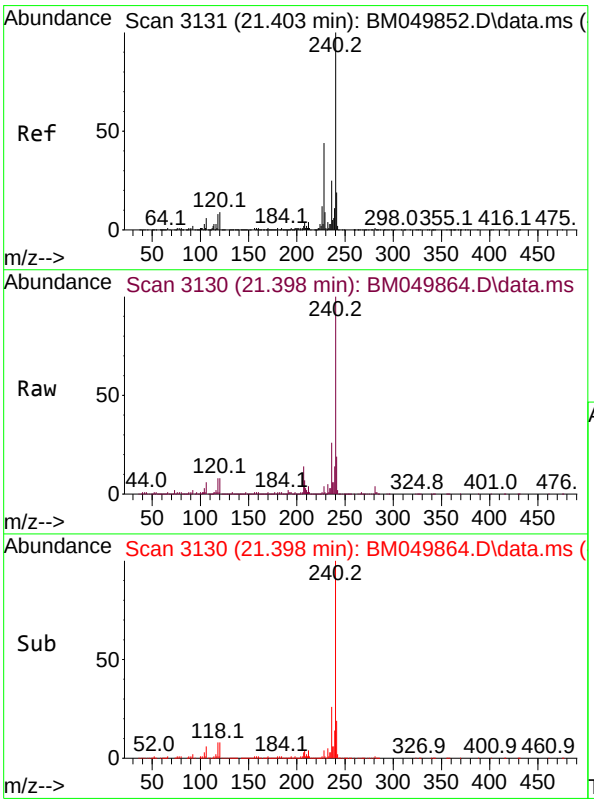
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:188 Resp: 1216375

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.8	8.6
80	7.6	6.4	9.6

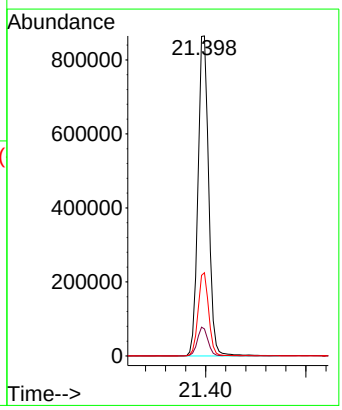


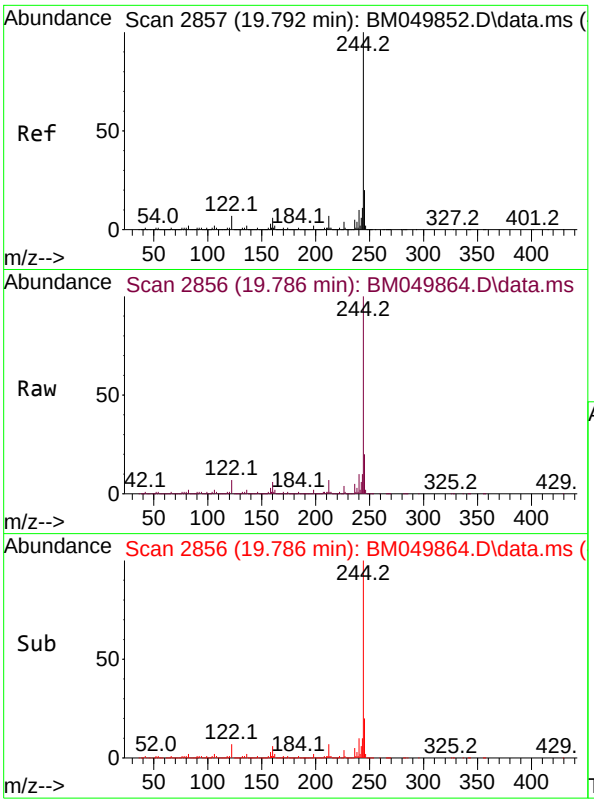


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:240 Resp: 1277210

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	26.0	20.4	30.6



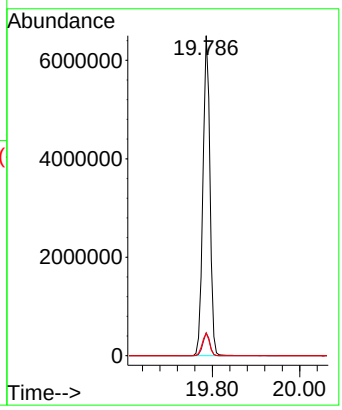


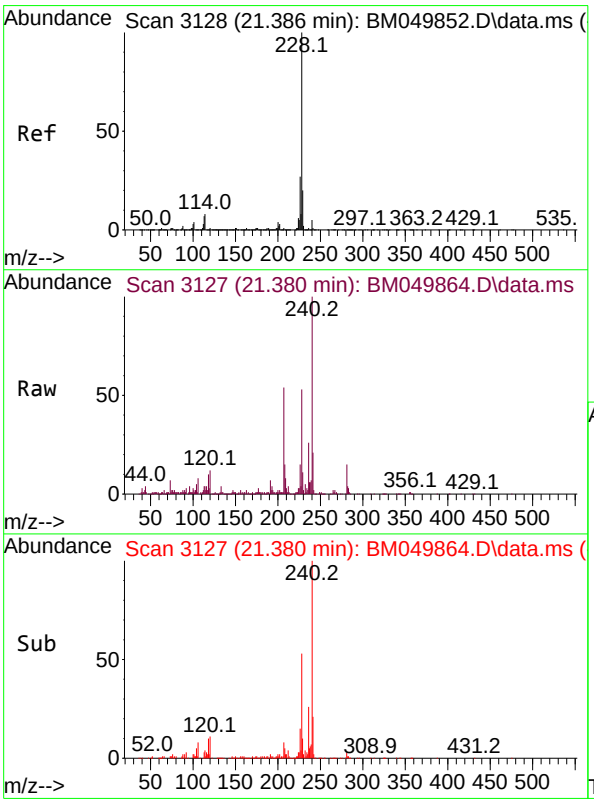
#79
Terphenyl-d14
Concen: 106.486 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:244 Resp: 7257247

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	7.0	5.4	8.0

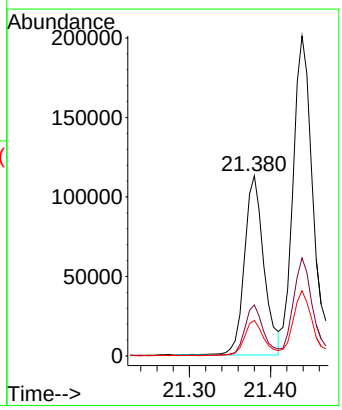


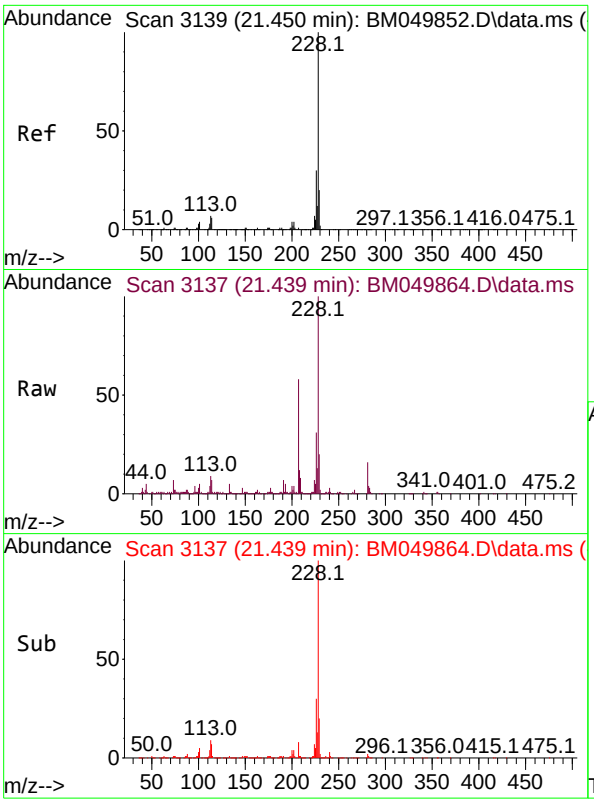


#81
Benzo(a)anthracene
Concen: 2.212 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:228 Resp: 187777

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	19.8	15.8	23.8



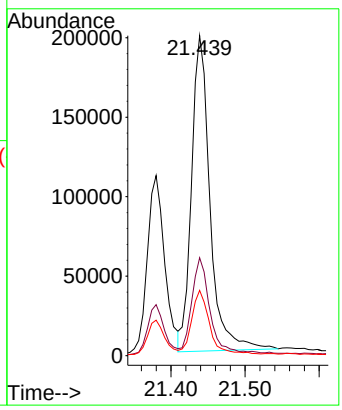


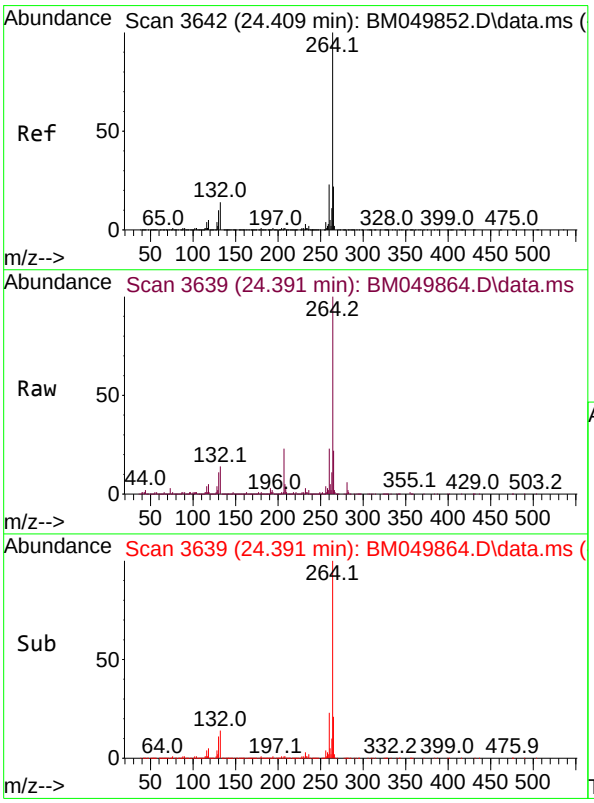
#83
Chrysene
Concen: 4.253 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:228 Resp: 343227

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.4	15.8	23.6

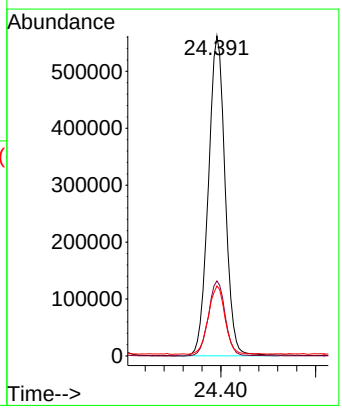


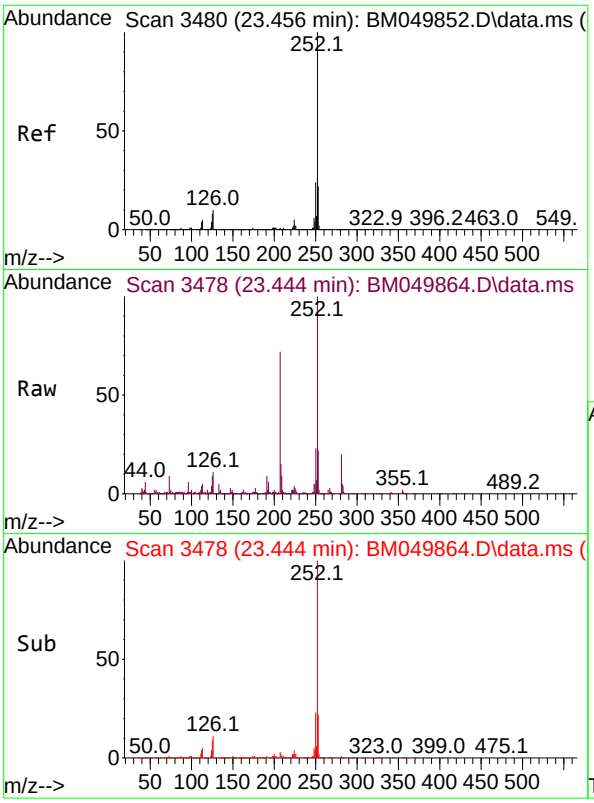


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:264 Resp: 1378204

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.9	17.8	26.8



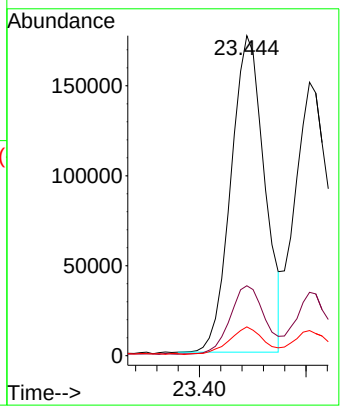


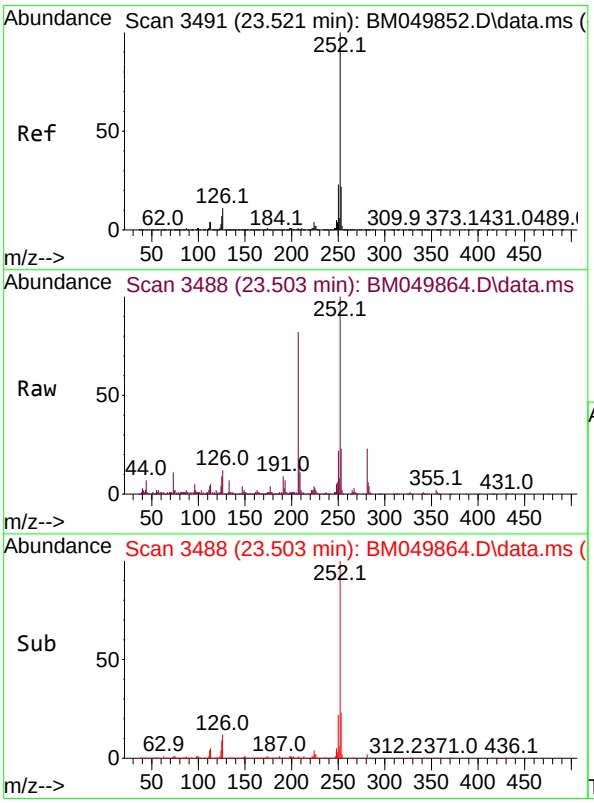
#88
Benzo(b)fluoranthene
Concen: 4.383 ng
RT: 23.444 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:252 Resp: 385800

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.0	6.2	9.4

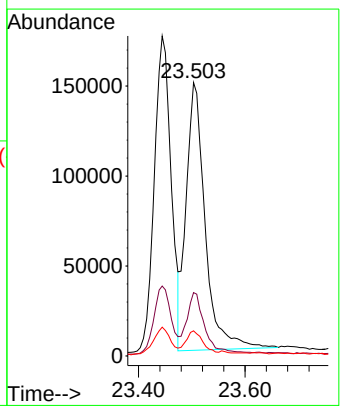




#89
Benzo(k)fluoranthene
Concen: 4.333 ng
RT: 23.503 min Scan# 3488
Delta R.T. -0.018 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:252 Resp: 369571

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	9.2	5.8	8.8#



Sample Results: **BM049864.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

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_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049864.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.893	319	324	332	rBV	667512	930708	5.17%	1.135%
2	5.363	397	404	414	rBV	4891736	6962372	38.69%	8.493%
3	6.951	666	674	693	rBV	4648372	7222734	40.14%	8.811%
4	7.775	808	814	823	rVB	937433	1445836	8.03%	1.764%
5	8.934	1003	1011	1021	rBV	2706636	4449702	24.73%	5.428%
6	10.569	1282	1289	1300	rBV	1092686	1815835	10.09%	2.215%
7	13.039	1700	1709	1723	rBV	8016754	11115762	61.77%	13.560%
8	14.416	1936	1943	1952	rBV	1671923	2445087	13.59%	2.983%
9	15.774	2168	2174	2182	rBV	768888	994154	5.52%	1.213%
10	15.904	2189	2196	2212	rBV	6735718	9146088	50.83%	11.157%
11	17.163	2403	2410	2416	rBV2	1966681	2836889	15.77%	3.461%
12	18.062	2557	2563	2573	rBV	1700508	2699372	15.00%	3.293%
13	19.221	2753	2760	2765	rBV	138377	237214	1.32%	0.289%
14	19.345	2776	2781	2800	rBV	600872	1155316	6.42%	1.409%
15	19.580	2817	2821	2831	rVB	164594	261474	1.45%	0.319%
16	19.786	2851	2856	2865	rBV	16050903	17994548	100.00%	21.951%
17	21.080	3072	3076	3087	rBV3	374938	714671	3.97%	0.872%
18	21.303	3111	3114	3119	rBV	172272	213906	1.19%	0.261%
19	21.392	3123	3129	3134	rVV	2352052	3729378	20.73%	4.549%
20	21.439	3134	3137	3146	rVB	502292	792408	4.40%	0.967%
21	23.444	3473	3478	3484	rBV	370349	743115	4.13%	0.906%
22	23.503	3484	3488	3494	rVB	288013	552272	3.07%	0.674%
23	24.391	3631	3639	3652	rVB	1408334	3517688	19.55%	4.291%

Sum of corrected areas: 81976529

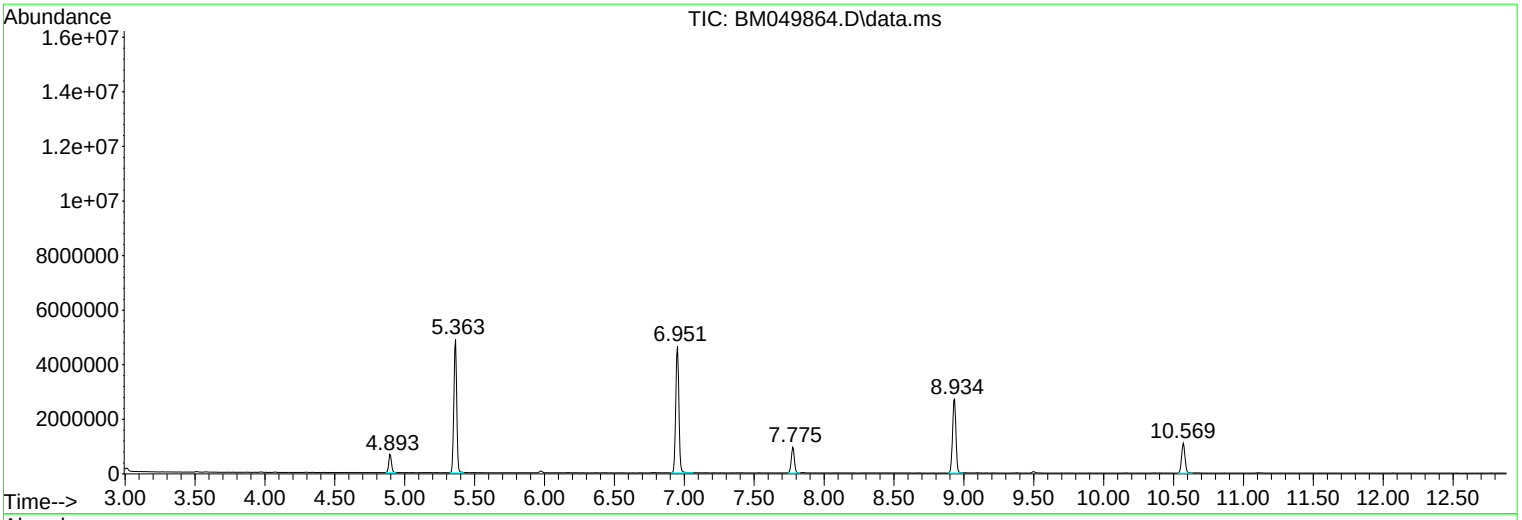
Sample Results: **BM049864.D**

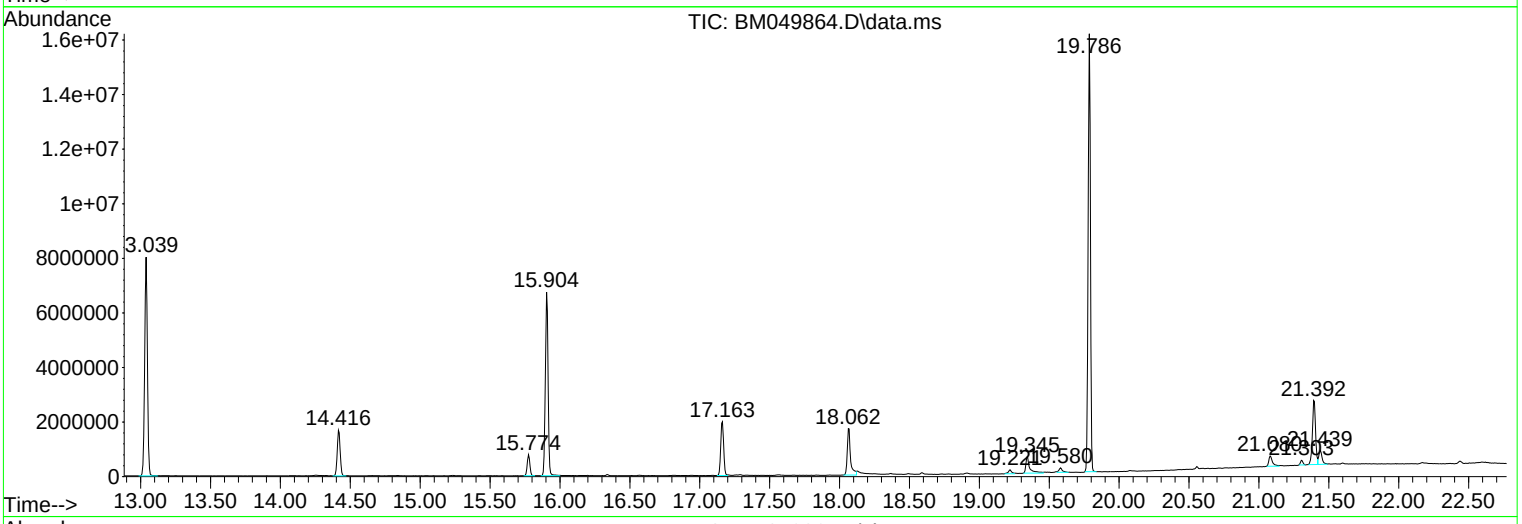
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

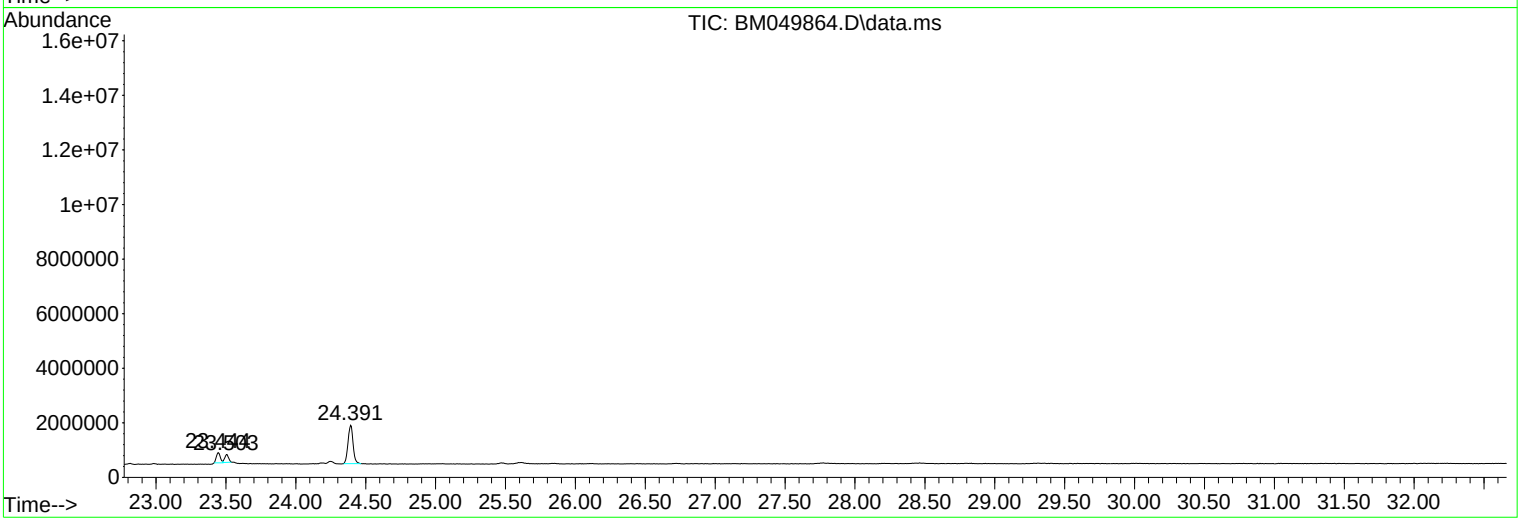
Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

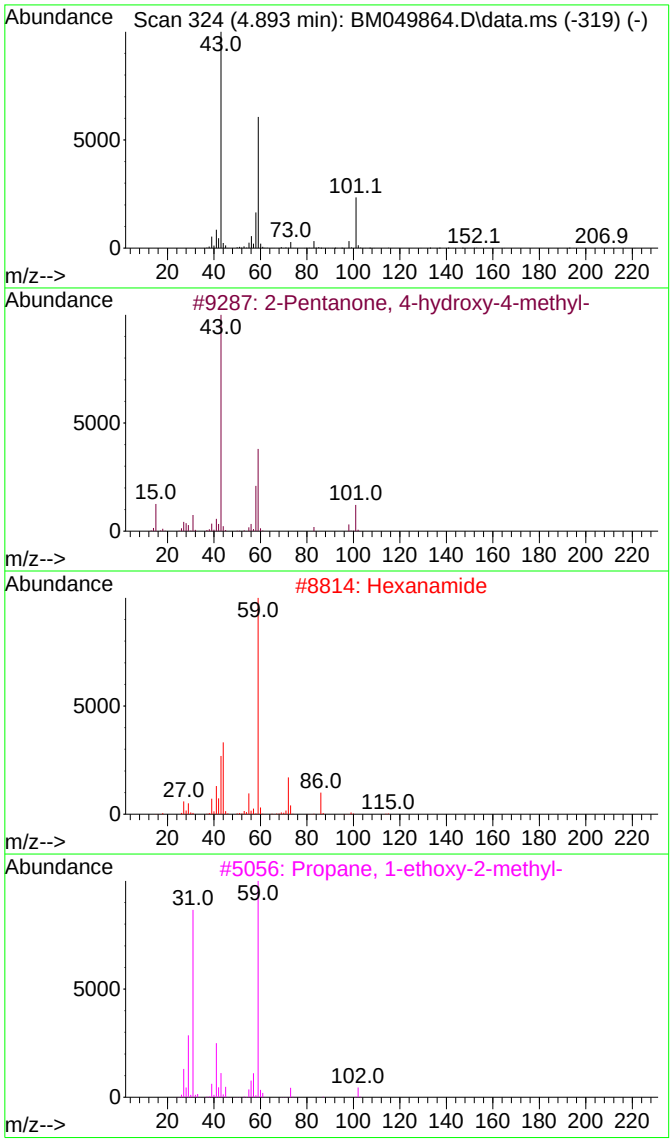
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

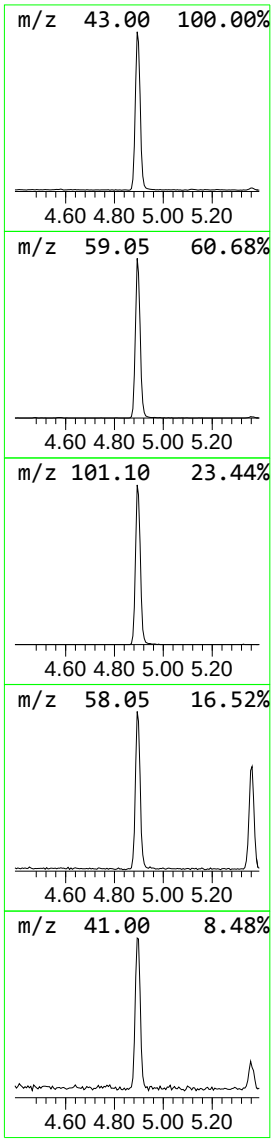
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.893	12.87 ng	930708	1,4-Dichlorobenzene-d4	7.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Hexanamide	115	C6H13NO	000628-02-4	35
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	32
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17





Sample Results: **BM049864.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

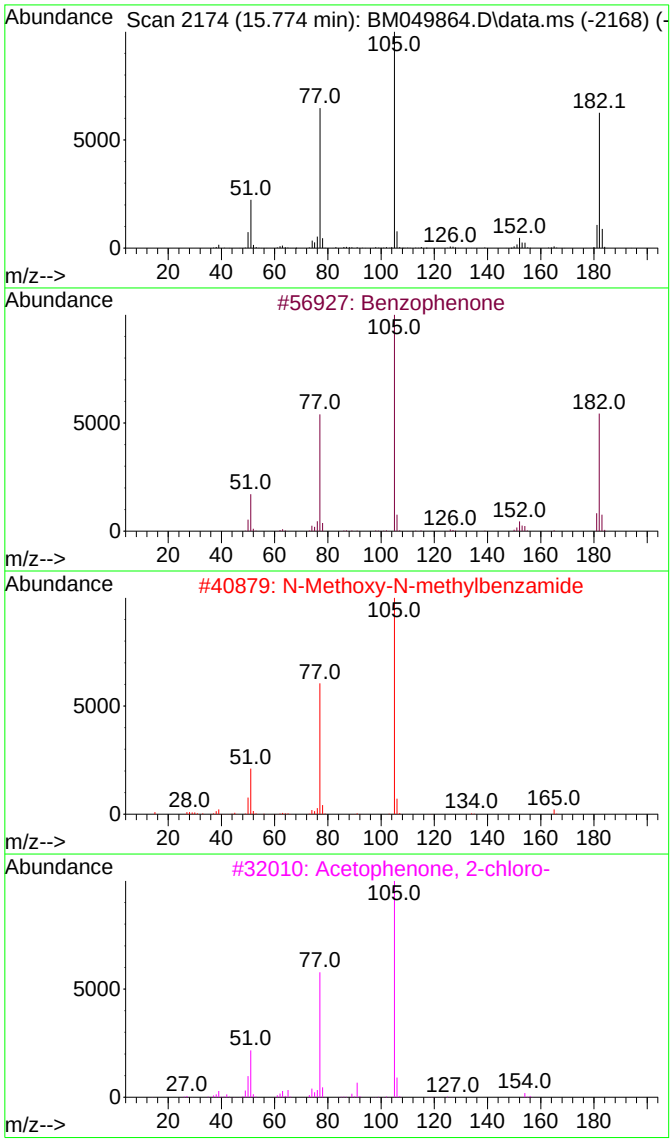
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

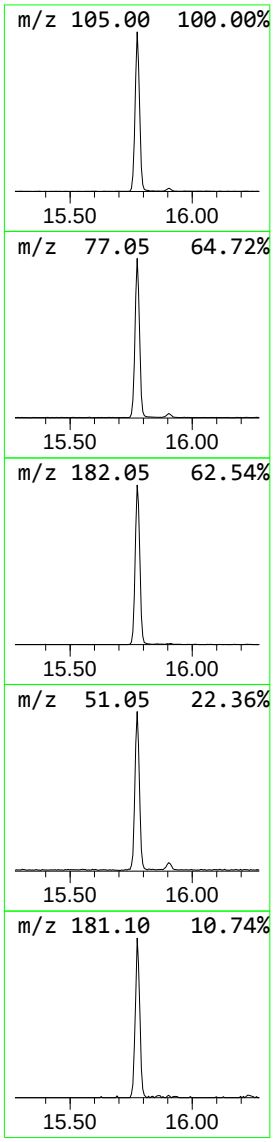
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.774	8.13 ng	994154	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	53
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47
5	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

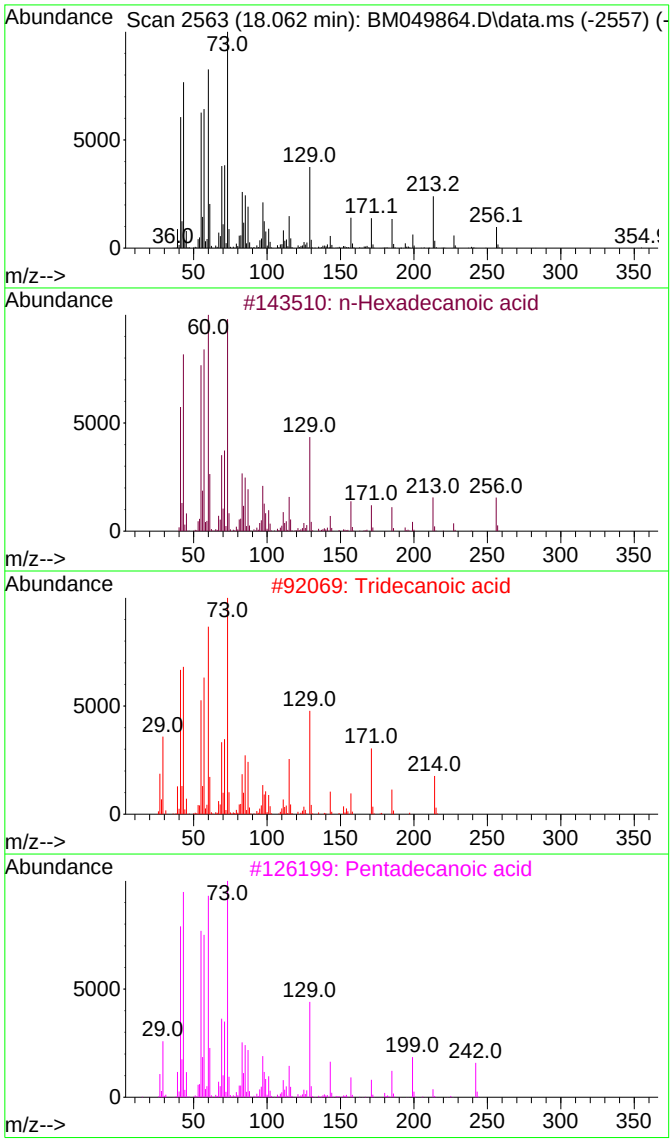
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

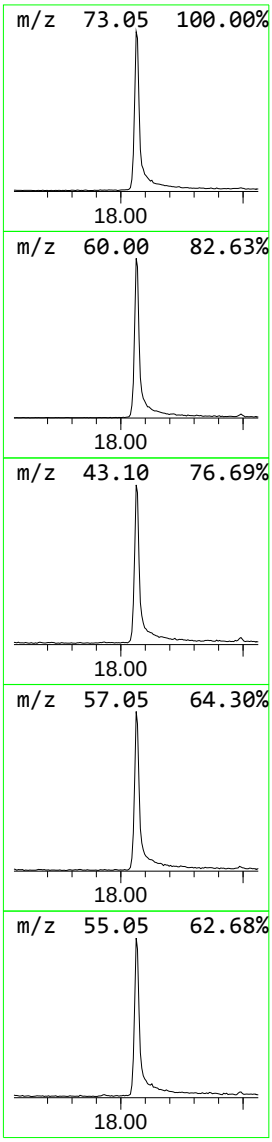
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.062	19.03 ng	2699370	Phenanthrene-d10	17.163

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	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

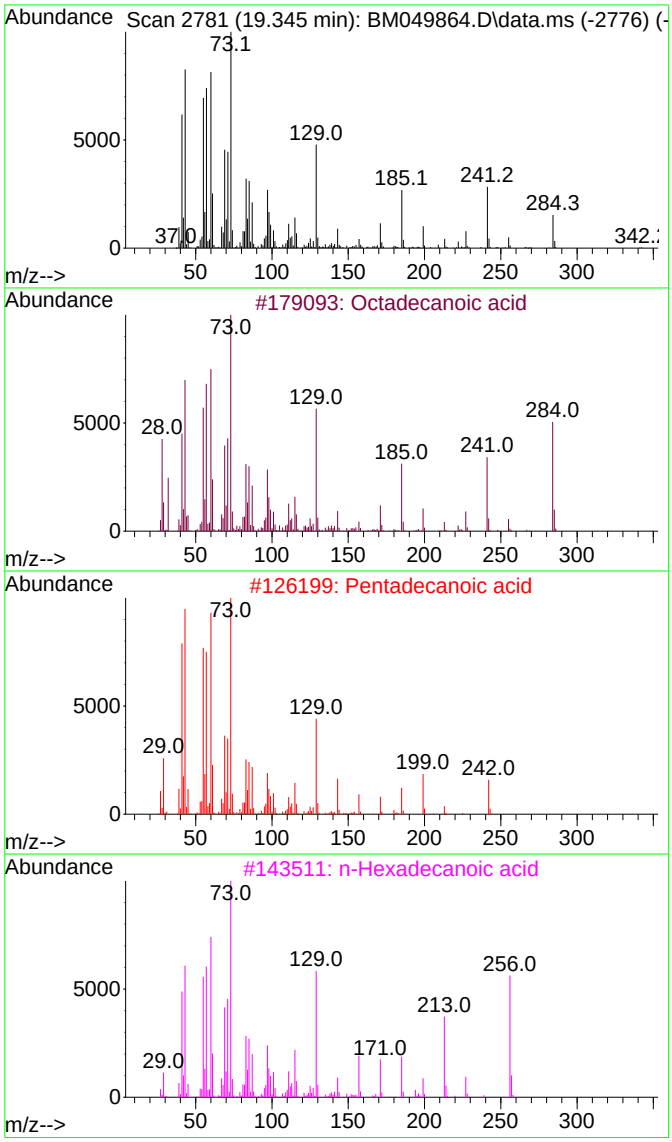
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

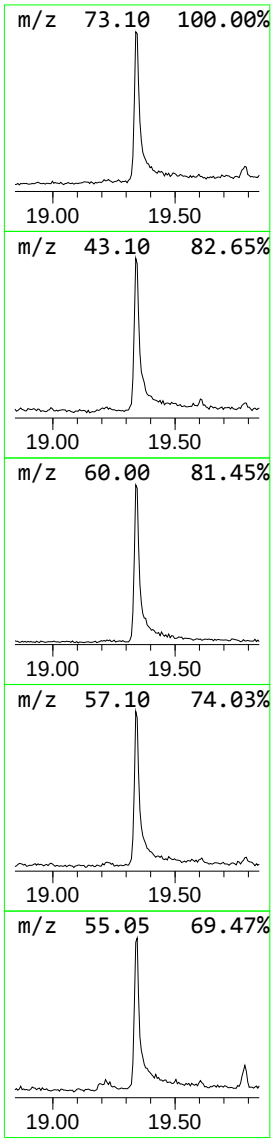
****

Peak Number 4 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.345	6.20 ng	1155320	Chrysene-d12	21.398

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	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
4	n-Decanoic acid	172	C10H20O2	000334-48-5	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

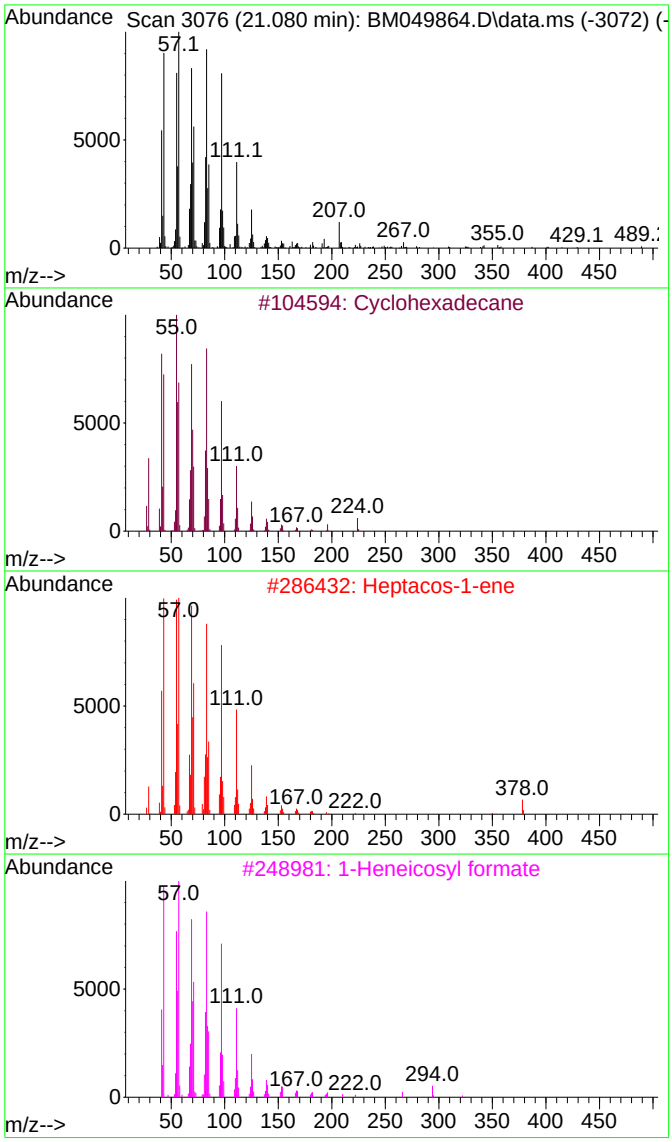
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

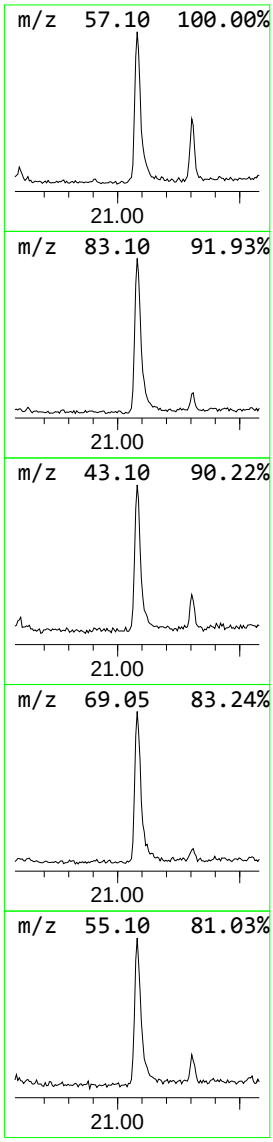
****

Peak Number 5 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.080	3.83 ng	714671	Chrysene-d12	21.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	Heptacos-1-ene	378	C27H54	015306-27-1	93
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
4	Octacosanol	410	C28H58O	000557-61-9	91
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91





Sample Results: **BM049864.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.893	12.9	ng	930708	1	7.775	1445840	20.0
Benzophenone	15.774	8.1	ng	994154	3	14.416	2445090	20.0
n-Hexadecanoic ...	18.062	19.0	ng	2699370	4	17.163	2836890	20.0
Octadecanoic acid	19.345	6.2	ng	1155320	5	21.398	3729380	20.0
Cyclohexadecane	21.080	3.8	ng	714671	5	21.398	3729380	20.0

Raw Data: **BM049869.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	56
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049869.D	1	04/08/25 08:59	04/09/25 15:45	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	280	U	280	590	ug/Kg
108-95-2	Phenol	39.4	U	39.4	300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	43.3	U	43.3	300	ug/Kg
95-57-8	2-Chlorophenol	43.5	U	43.5	300	ug/Kg
95-48-7	2-Methylphenol	53.3	U	53.3	300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.8	U	66.8	300	ug/Kg
98-86-2	Acetophenone	52.6	U	52.6	300	ug/Kg
65794-96-9	3+4-Methylphenols	73.2	U	73.2	590	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	84.5	U	84.5	140	ug/Kg
67-72-1	Hexachloroethane	31.4	U	31.4	300	ug/Kg
98-95-3	Nitrobenzene	32.6	U	32.6	300	ug/Kg
78-59-1	Isophorone	58.5	U	58.5	300	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	300	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.9	U	54.9	300	ug/Kg
120-83-2	2,4-Dichlorophenol	50.4	U	50.4	300	ug/Kg
91-20-3	Naphthalene	40.5	U	40.5	300	ug/Kg
106-47-8	4-Chloroaniline	63.1	UQ	63.1	300	ug/Kg
87-68-3	Hexachlorobutadiene	45.1	U	45.1	300	ug/Kg
105-60-2	Caprolactam	92.9	U	92.9	590	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51.1	U	51.1	300	ug/Kg
91-57-6	2-Methylnaphthalene	45.6	U	45.6	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	UQ	210	590	ug/Kg
88-06-2	2,4,6-Trichlorophenol	35.3	U	35.3	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51.9	U	51.9	300	ug/Kg
92-52-4	1,1-Biphenyl	38.9	U	38.9	300	ug/Kg
91-58-7	2-Chloronaphthalene	40.1	U	40.1	300	ug/Kg
88-74-4	2-Nitroaniline	85.7	U	85.7	300	ug/Kg
131-11-3	Dimethylphthalate	48.3	U	48.3	300	ug/Kg

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	56
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049869.D	1	04/08/25 08:59	04/09/25 15:45	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	51.5	U	51.5	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.9	U	59.9	300	ug/Kg
99-09-2	3-Nitroaniline	82.0	UQ	82.0	300	ug/Kg
83-32-9	Acenaphthene	38.0	U	38.0	300	ug/Kg
51-28-5	2,4-Dinitrophenol	410	U	410	590	ug/Kg
100-02-7	4-Nitrophenol	190	U	190	590	ug/Kg
132-64-9	Dibenzofuran	40.5	U	40.5	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.3	U	89.3	300	ug/Kg
84-66-2	Diethylphthalate	50.4	U	50.4	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	47.6	U	47.6	300	ug/Kg
86-73-7	Fluorene	45.1	U	45.1	300	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	590	ug/Kg
86-30-6	n-Nitrosodiphenylamine	58.6	U	58.6	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.5	U	49.5	300	ug/Kg
118-74-1	Hexachlorobenzene	45.1	U	45.1	300	ug/Kg
1912-24-9	Atrazine	60.6	U	60.6	300	ug/Kg
87-86-5	Pentachlorophenol	91.4	U	91.4	590	ug/Kg
85-01-8	Phenanthrene	37.2	U	37.2	300	ug/Kg
120-12-7	Anthracene	59.3	U	59.3	300	ug/Kg
86-74-8	Carbazole	55.6	U	55.6	300	ug/Kg
84-74-2	Di-n-butylphthalate	85.4	U	85.4	300	ug/Kg
206-44-0	Fluoranthene	53.5	U	53.5	300	ug/Kg
129-00-0	Pyrene	64.2	U	64.2	300	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65.4	U	65.4	590	ug/Kg
56-55-3	Benzo(a)anthracene	41.0	U	41.0	300	ug/Kg
218-01-9	Chrysene	35.5	U	35.5	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	300	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	590	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	33.9	300	ug/Kg

Raw Data: **BM049869.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	56
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049869.D	1	04/08/25 08:59	04/09/25 15:45	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	J	39.9	300	ug/Kg
50-32-8	Benzo(a)pyrene	52.6	U	52.6	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51.9	U	51.9	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.8	U	48.8	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	45.8	U	45.8	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	45.6	U	45.6	300	ug/Kg
123-91-1	1,4-Dioxane	80.6	U	80.6	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.8	U	48.8	300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	100		30 (18) - 130 (112)	67%	SPK: 150
13127-88-3	Phenol-d6	101		30 (15) - 130 (107)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.9		30 (18) - 130 (107)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.4		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	108		30 (10) - 130 (116)	72%	SPK: 150
1718-51-0	Terphenyl-d14	74.8		30 (10) - 130 (105)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	346000	7.781			
1146-65-2	Naphthalene-d8	1230000	10.575			
15067-26-2	Acenaphthene-d10	818000	14.421			
1517-22-2	Phenanthrene-d10	1630000	17.162			
1719-03-5	Chrysene-d12	1500000	21.397			
1520-96-3	Perylene-d12	1630000	24.397			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	530	AB		4.90	ug/Kg
000119-61-9	Benzophenone	460	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	440	JB		18.1	ug/Kg
000297-03-0	Cyclotetracosane	240	J		21.1	ug/Kg

Raw Data: **BM049869.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	56
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049869.D	1	04/08/25 08:59	04/09/25 15:45	PB167509

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Quant Time: Apr 09 16:19:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

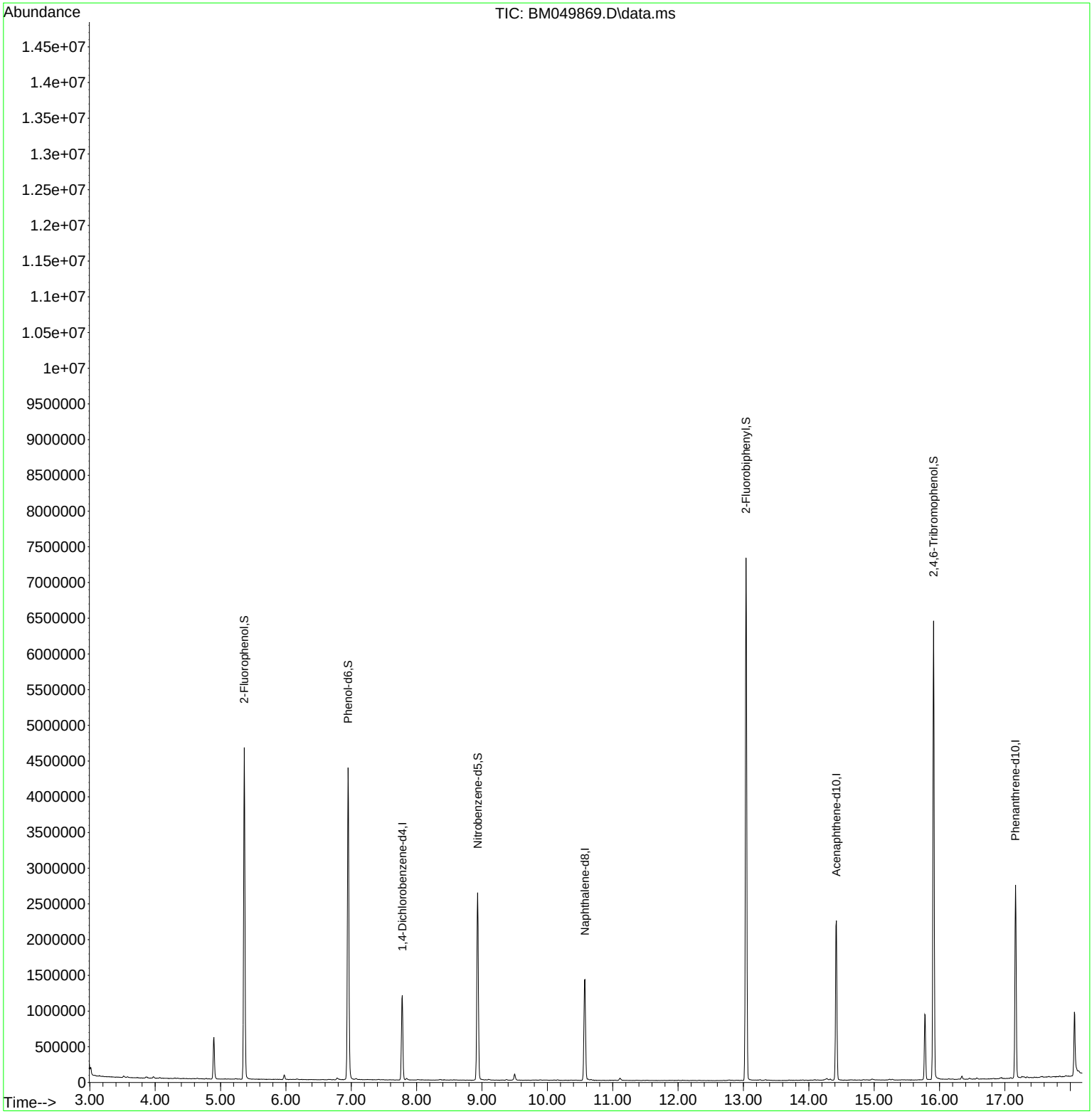
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	345979	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1233998	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	818312	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1627507	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1500407	20.000	ng	0.00
86) Perylene-d12	24.397	264	1632307	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2045775	100.407	ng	0.00
7) Phenol-d6	6.951	99	2561323	101.038	ng	0.00
23) Nitrobenzene-d5	8.934	82	1504136	67.875	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1280359	107.569	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3945168	65.375	ng	0.00
79) Terphenyl-d14	19.792	244	5986611	74.774	ng	0.00
Target Compounds						Qvalue
88) Benzo(b)fluoranthene	23.450	252	264712	2.539	ng	# 96
89) Benzo(k)fluoranthene	23.509	252	224389	2.221	ng	# 96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Quant Time: Apr 09 16:19:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

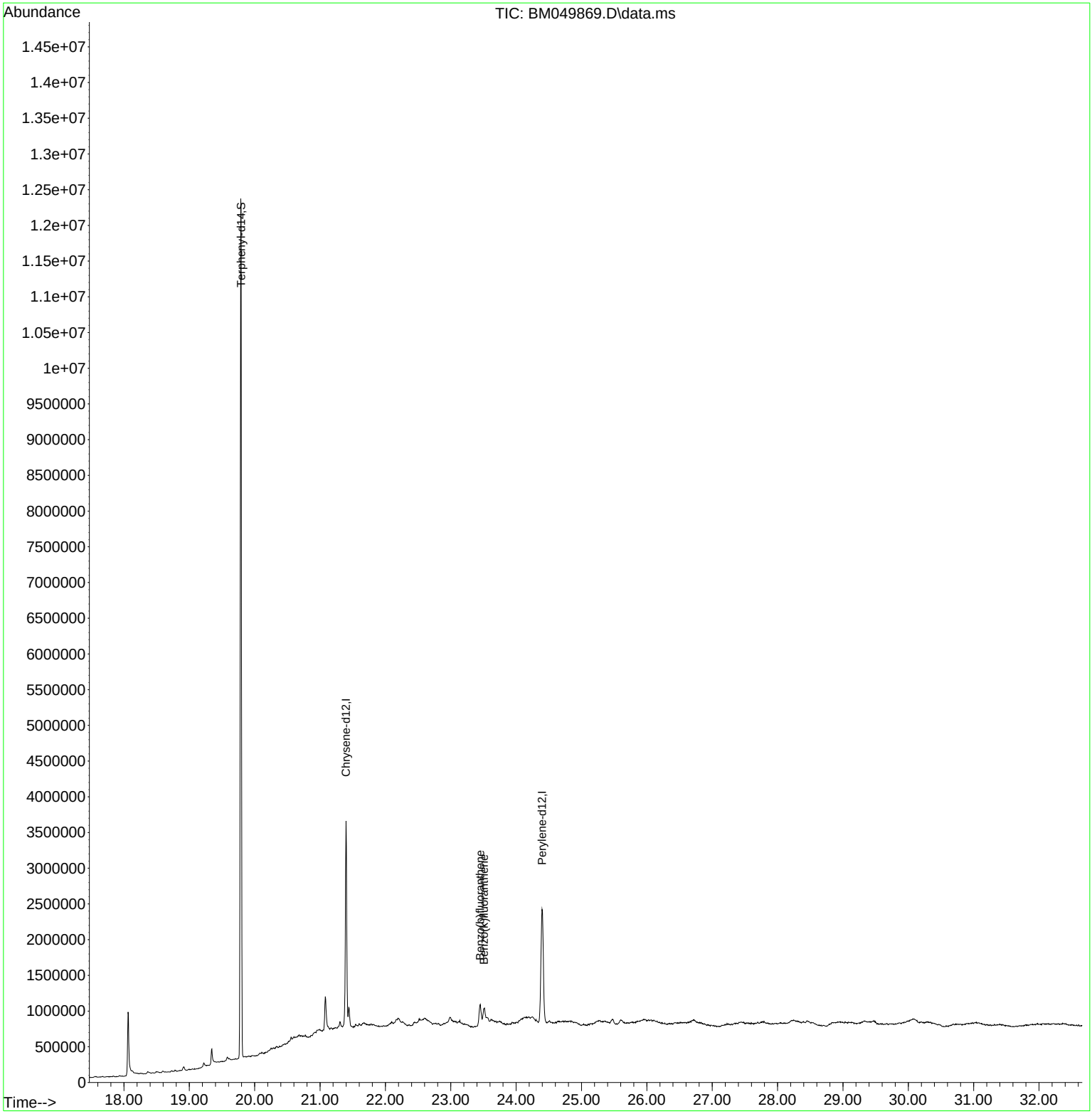


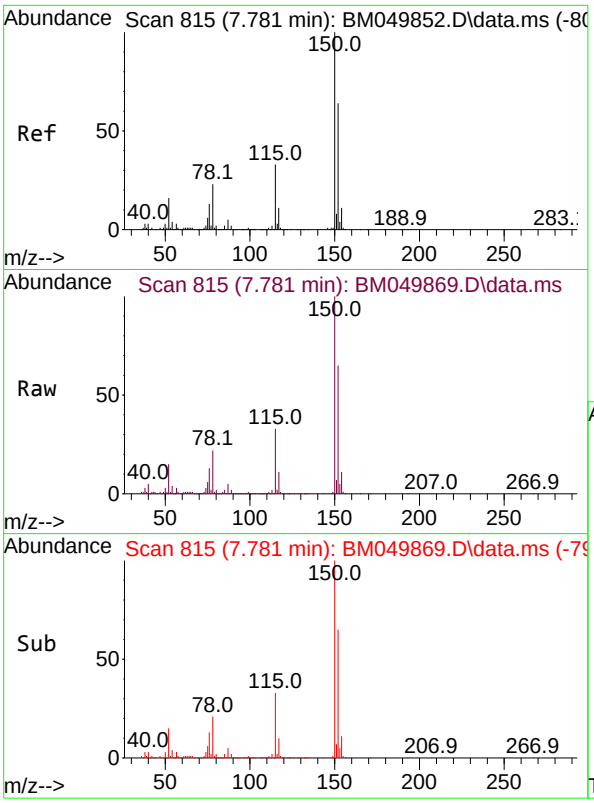
Sample Results: **BM049869.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Quant Time: Apr 09 16:19:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



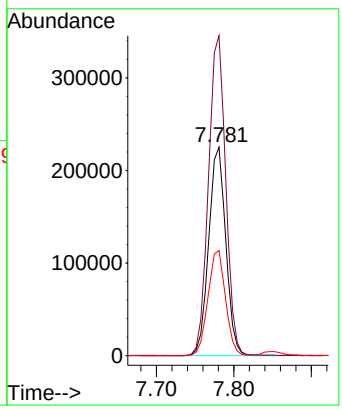


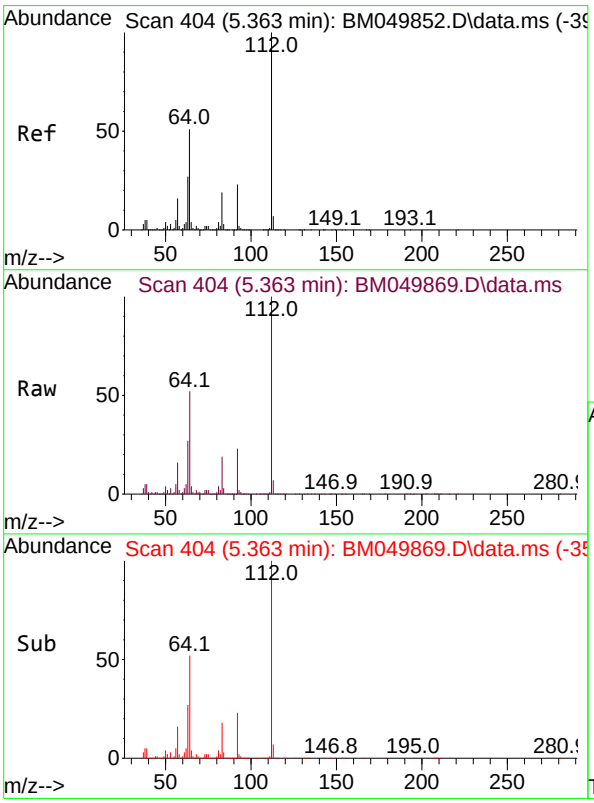
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion:152 Resp: 345979

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.3	186.5
115	50.4	41.1	61.7

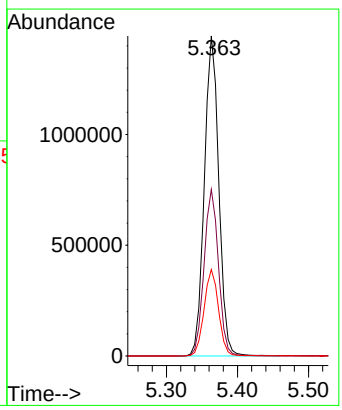


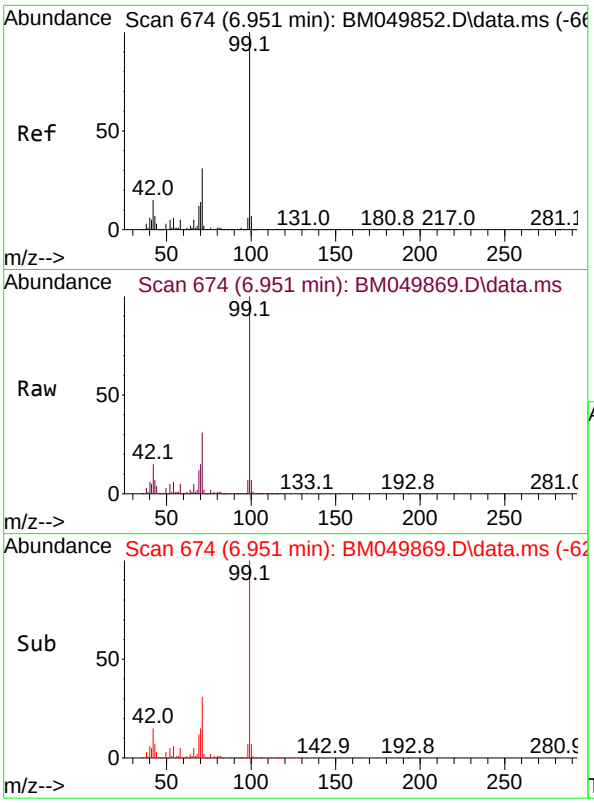


#5
2-Fluorophenol
Concen: 100.407 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:112 Resp: 2045775

Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.0	61.6
63	27.0	21.5	32.3



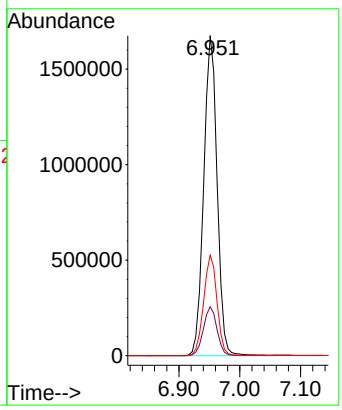


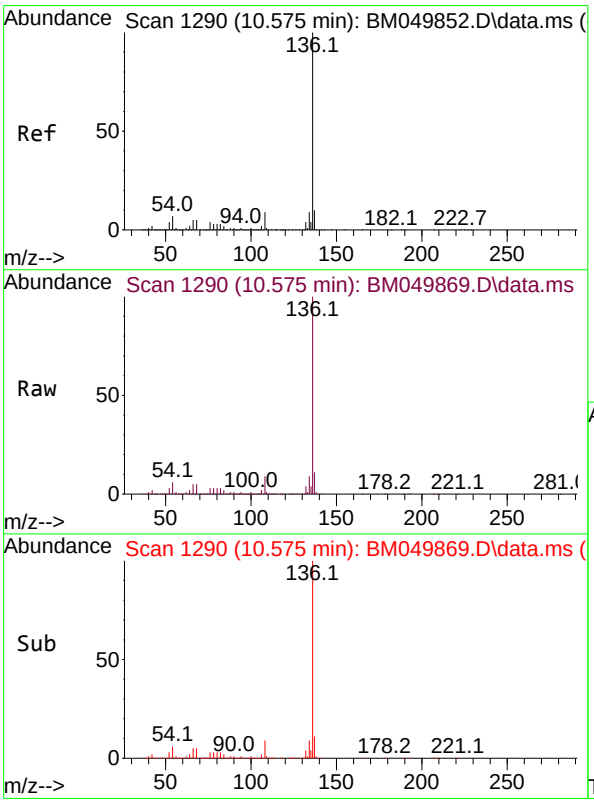
#7
Phenol-d6
Concen: 101.038 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion: 99 Resp: 2561323

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.1	18.1
71	31.4	24.9	37.3

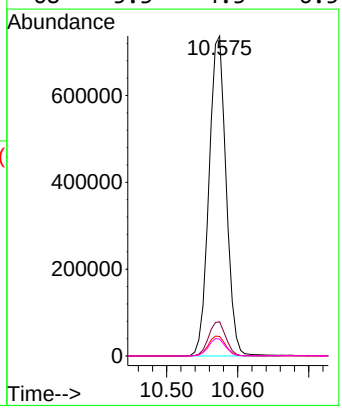


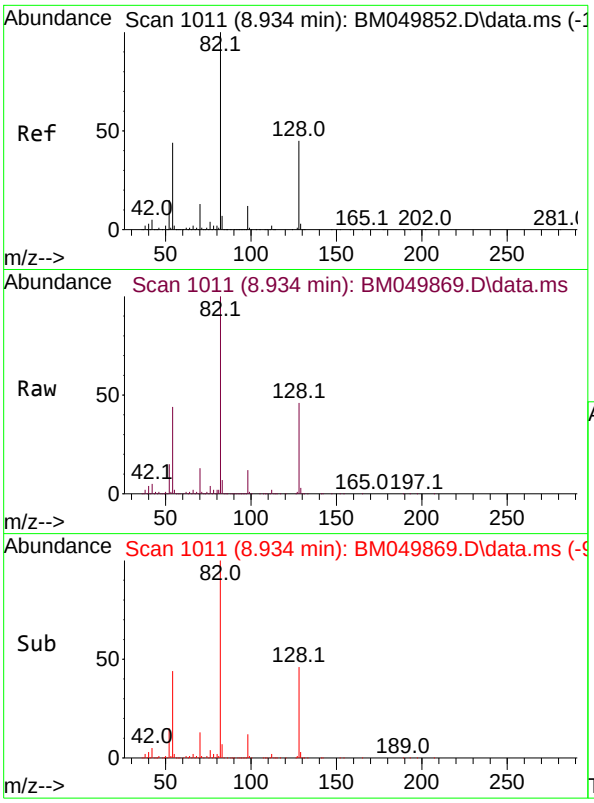


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:136 Resp: 1233998

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.1	5.3	7.9
68	5.3	4.3	6.5



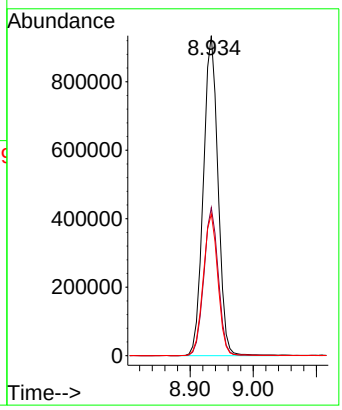


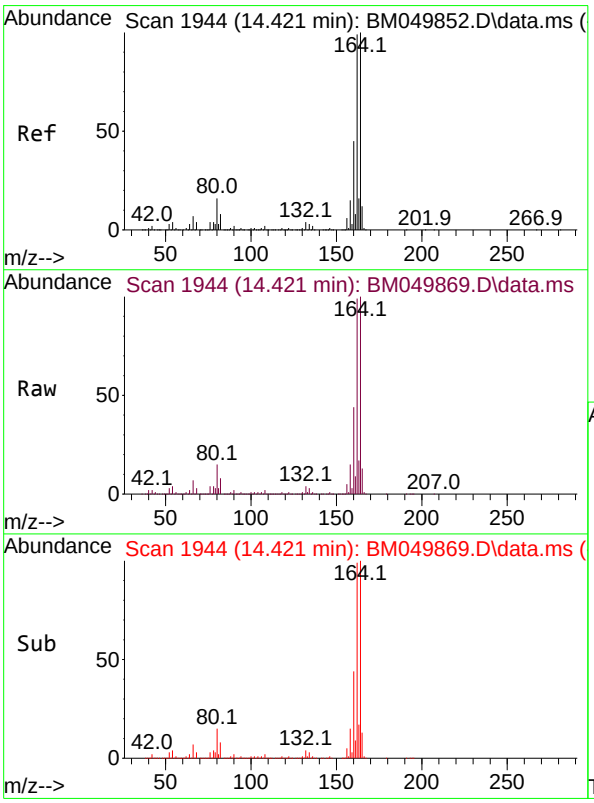
#23
Nitrobenzene-d5
Concen: 67.875 ng
RT: 8.934 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion: 82 Resp: 1504136

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.2	54.2
54	44.3	35.0	52.6

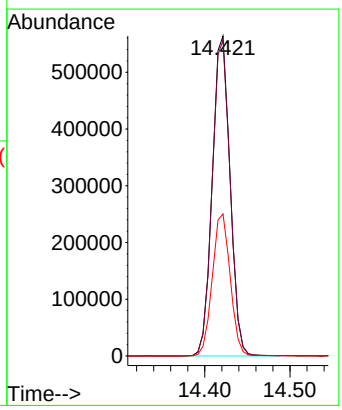


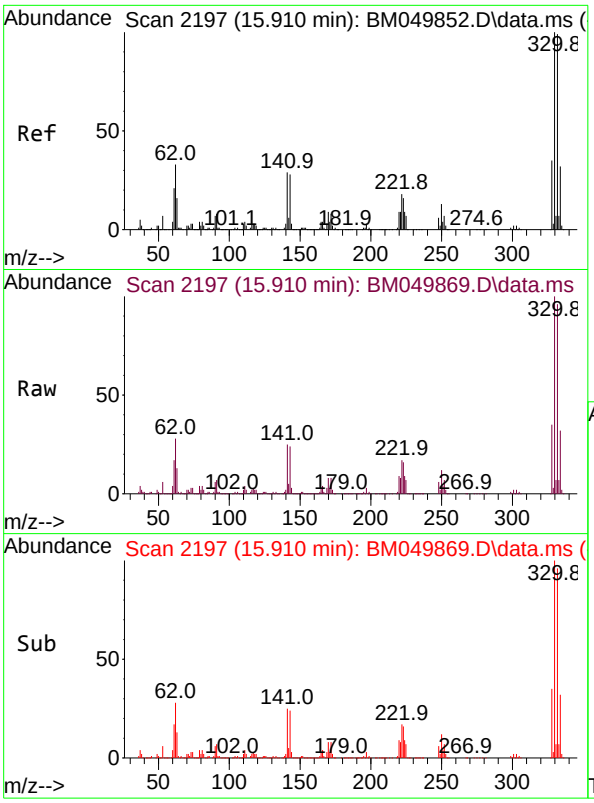


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:164 Resp: 818312

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	44.4	36.2	54.2



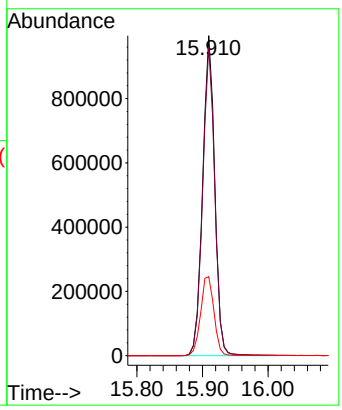


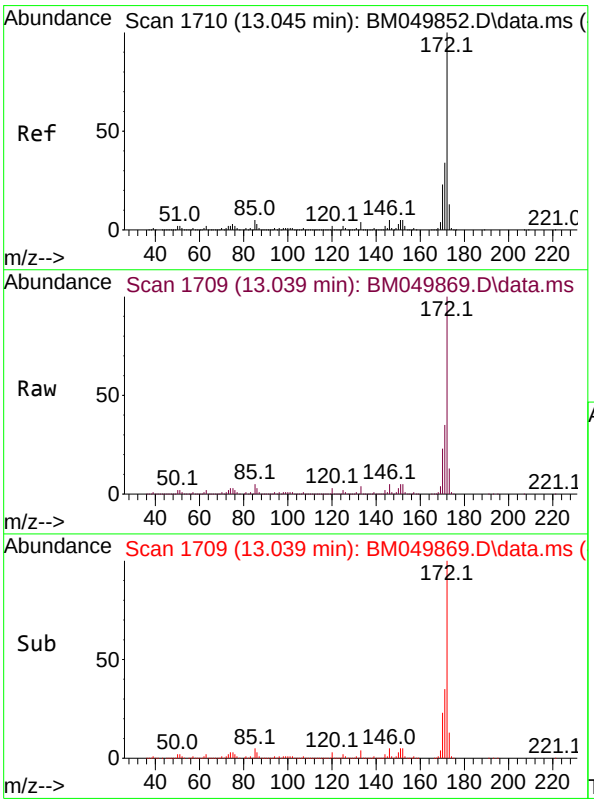
#42
2,4,6-Tribromophenol
Concen: 107.569 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion:330 Resp: 1280359

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	27.5	23.5	35.3

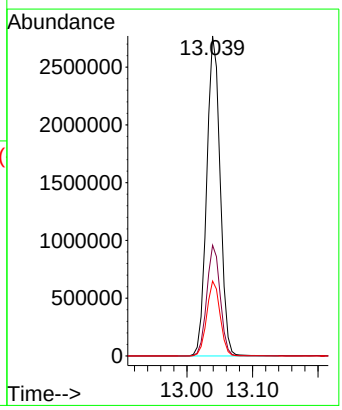


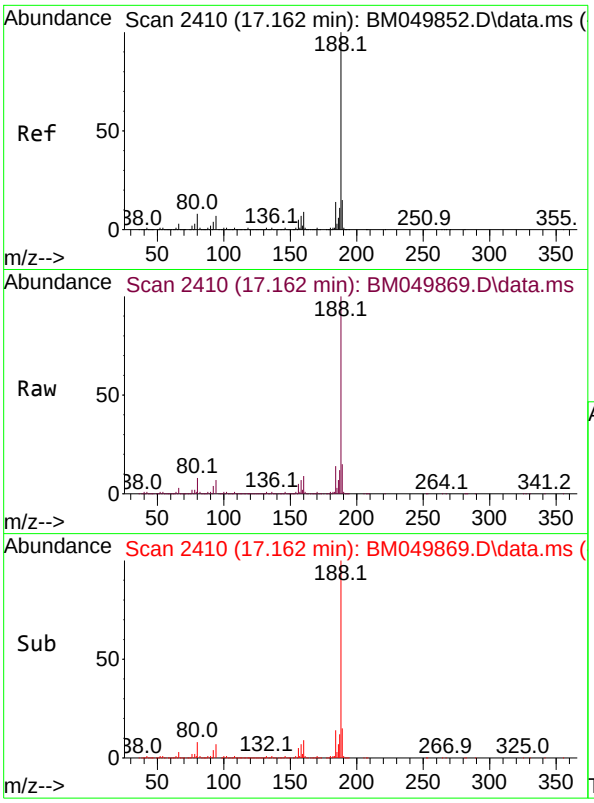


#45
2-Fluorobiphenyl
Concen: 65.375 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:172 Resp: 3945168

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.2
170	23.4	18.6	28.0



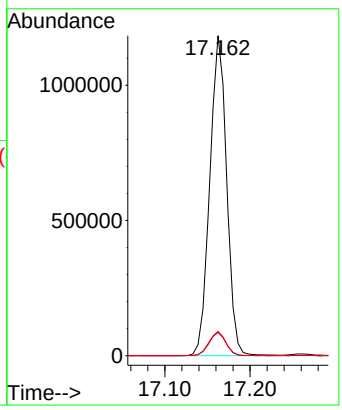


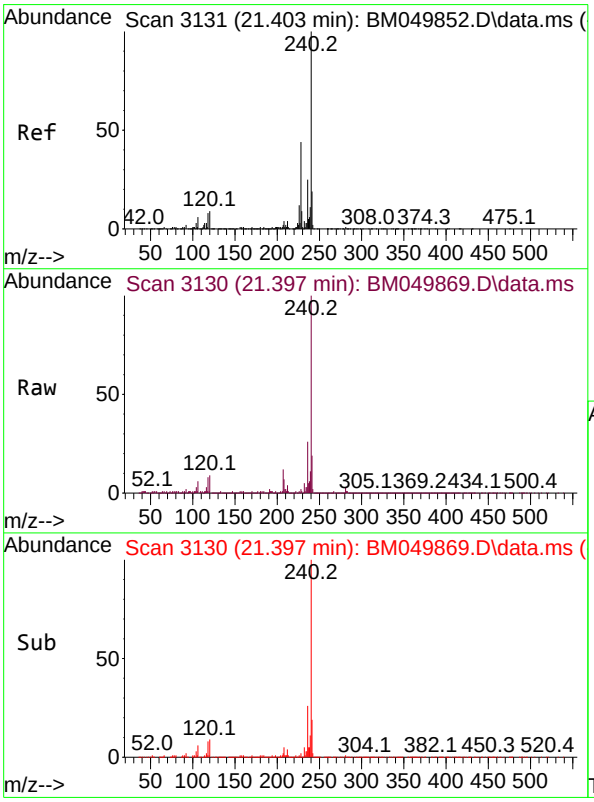
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion:188 Resp: 1627507

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.6	6.4	9.6

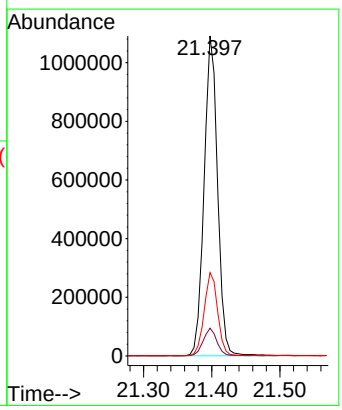


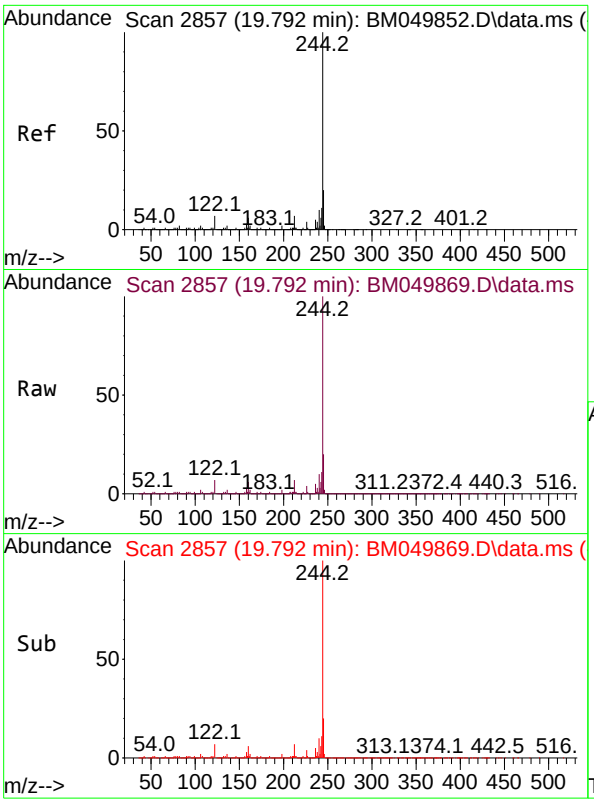


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:240 Resp: 1500407

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.9	10.3
236	26.0	20.4	30.6



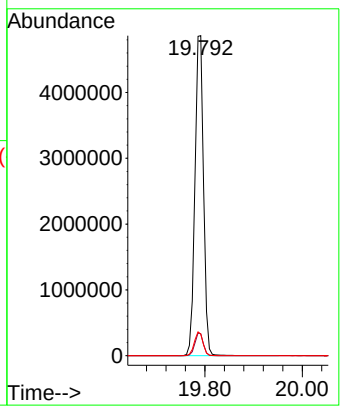


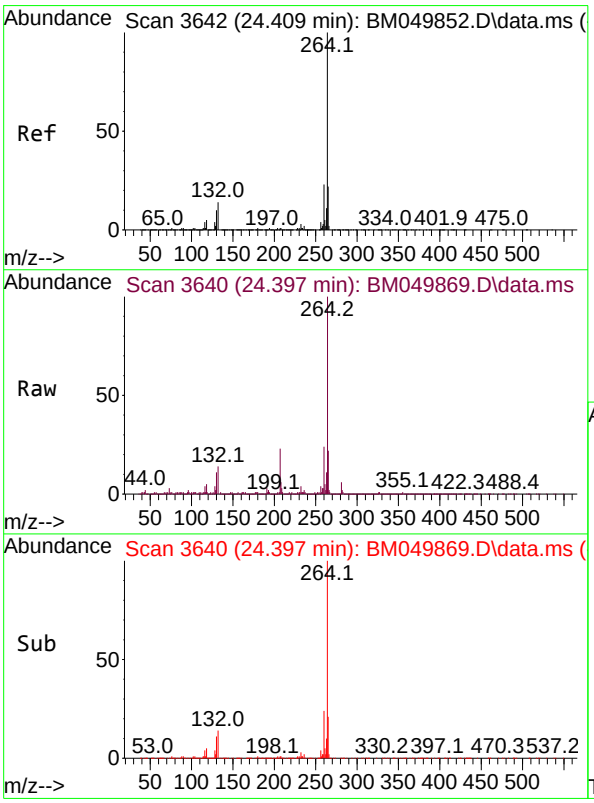
#79
Terphenyl-d14
Concen: 74.774 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion:244 Resp: 5986611

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	6.8	5.4	8.0

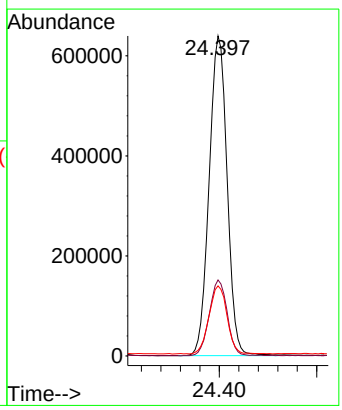


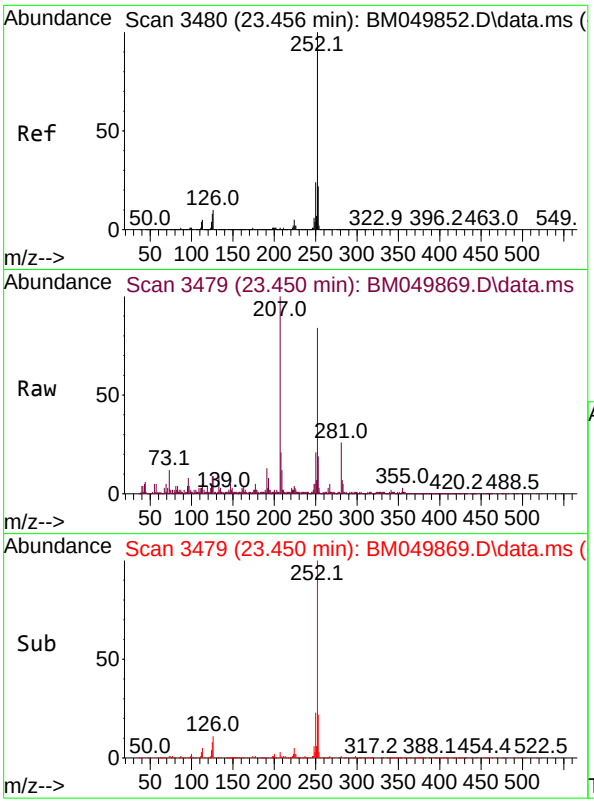


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:264 Resp: 1632307

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.9	17.8	26.8



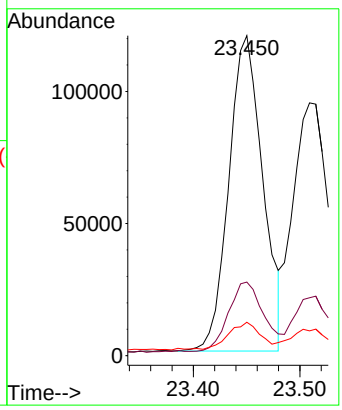


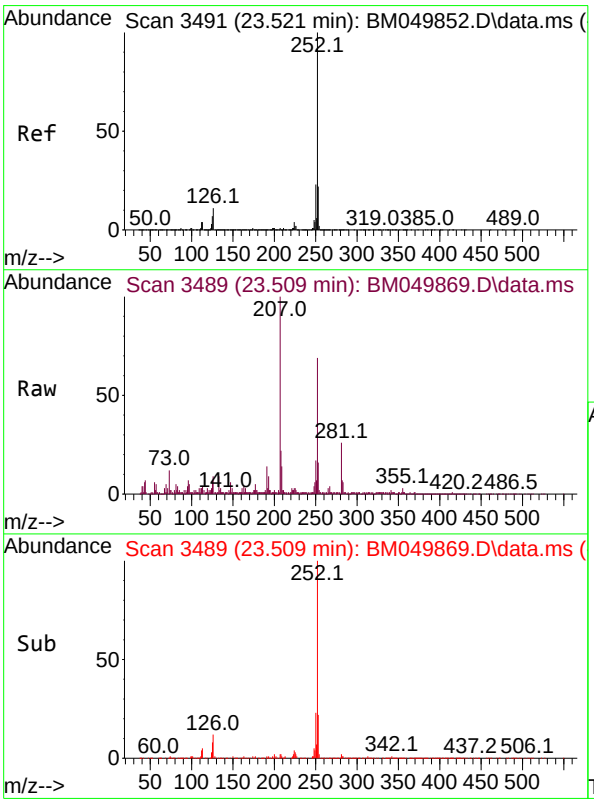
#88
Benzo(b)fluoranthene
Concen: 2.539 ng
RT: 23.450 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Tgt Ion:252 Resp: 264712

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.4	6.2	9.4#

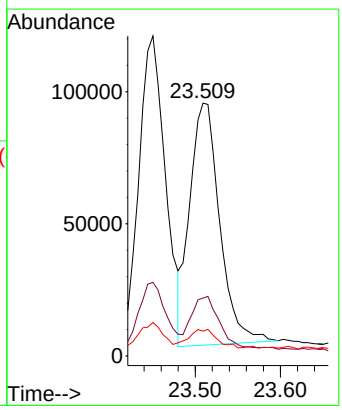




#89
Benzo(k)fluoranthene
Concen: 2.221 ng
RT: 23.509 min Scan# 3489
Delta R.T. -0.012 min
Lab File: BM049869.D
Acq: 09 Apr 2025 15:45

Tgt Ion:252 Resp: 224389

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	9.8	5.8	8.8#



Sample Results: **BM049869.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

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_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049869.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.898	319	325	333	rBV	583679	821335	5.52%	1.087%
2	5.363	397	404	423	rBV	4643720	6566179	44.09%	8.687%
3	6.951	662	674	688	rBV	4370188	6865293	46.10%	9.083%
4	7.781	808	815	822	rBV	1185422	1847201	12.40%	2.444%
5	8.934	1000	1011	1029	rBV	2625941	4258303	28.59%	5.634%
6	10.575	1280	1290	1296	rBV	1413576	2402357	16.13%	3.178%
7	13.039	1702	1709	1724	rBV	7315651	10439179	70.10%	13.812%
8	14.421	1935	1944	1954	rBV	2233458	3312895	22.25%	4.383%
9	15.774	2167	2174	2182	rBV	913619	1270596	8.53%	1.681%
10	15.910	2190	2197	2211	rBV	6420201	8646779	58.06%	11.440%
11	17.162	2403	2410	2424	rBV2	2706035	3779088	25.38%	5.000%
12	18.062	2558	2563	2573	rBV	892310	1403685	9.43%	1.857%
13	19.345	2777	2781	2790	rBV	215969	382293	2.57%	0.506%
14	19.786	2851	2856	2863	rBV	12034471	14892679	100.00%	19.704%
15	21.080	3072	3076	3082	rBV	470666	785086	5.27%	1.039%
16	21.397	3125	3130	3135	rBV	2794562	3842891	25.80%	5.084%
17	24.397	3633	3640	3653	rVB	1590339	4067052	27.31%	5.381%

Sum of corrected areas: 75582891

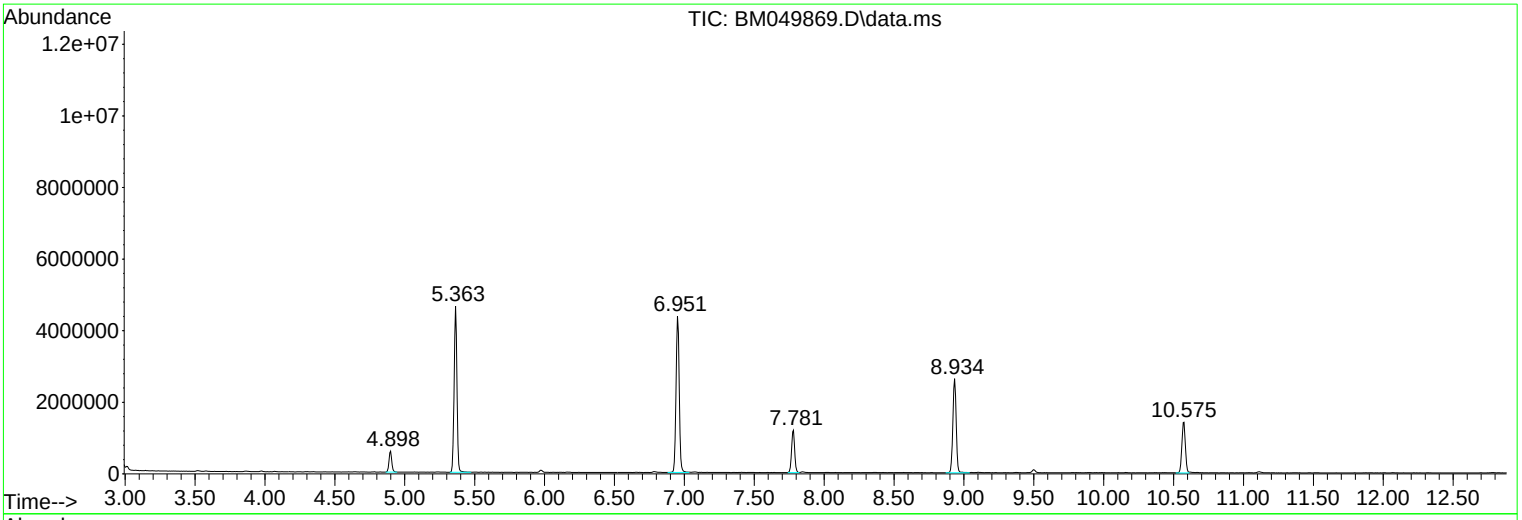
Sample Results: **BM049869.D**

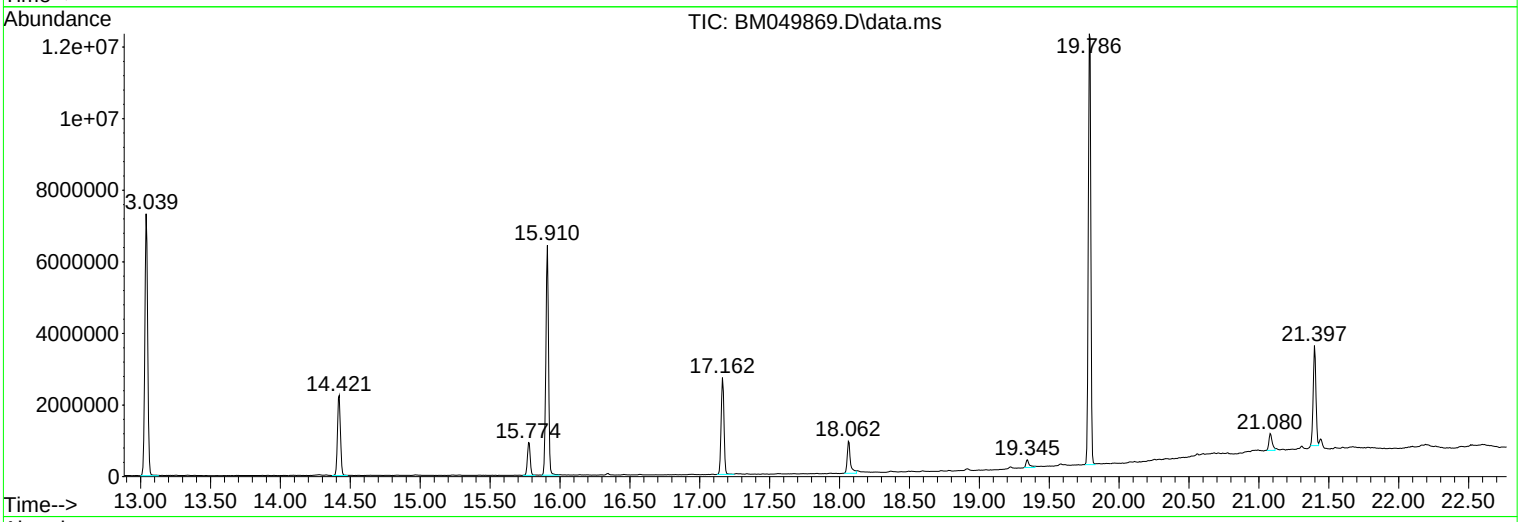
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

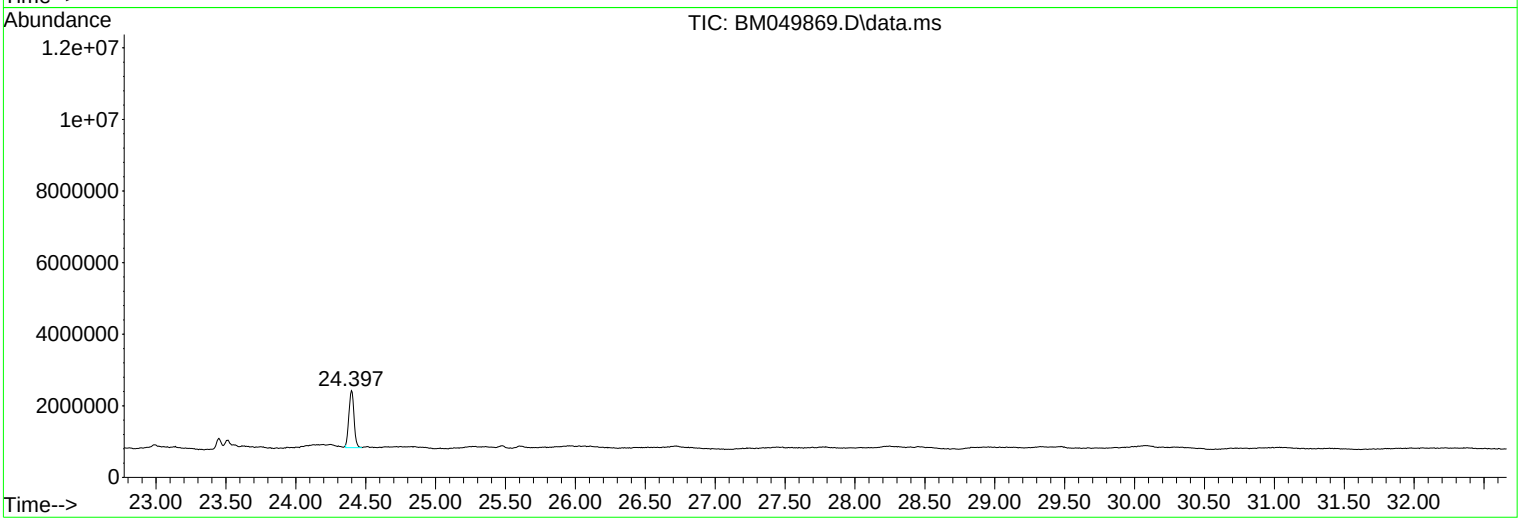
Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BM049869.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

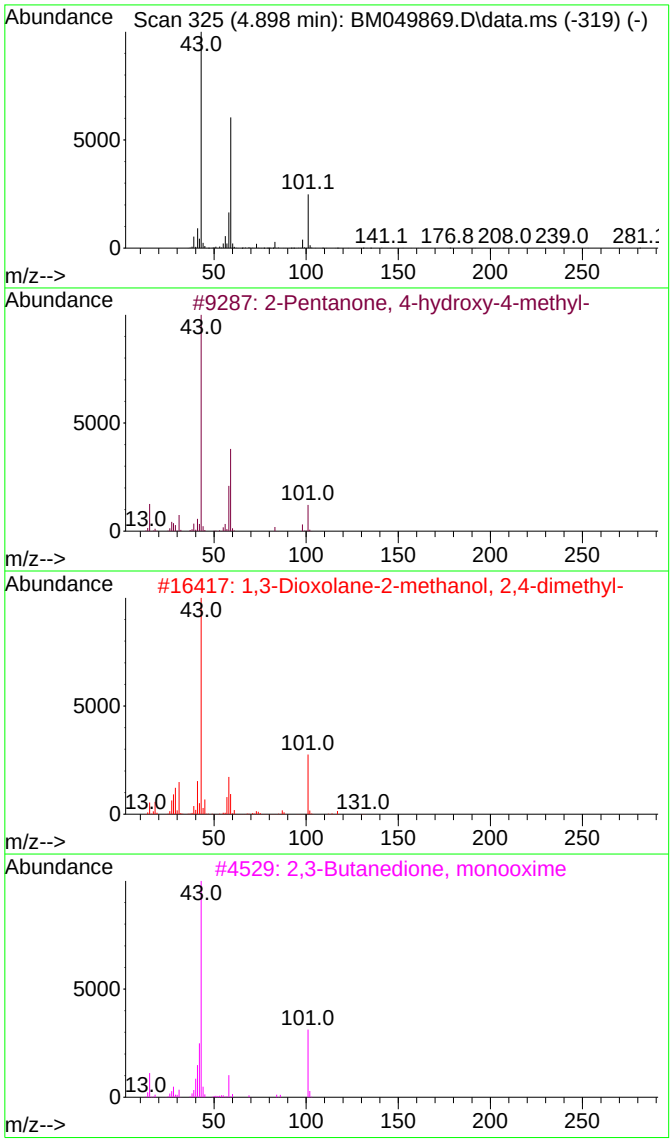
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

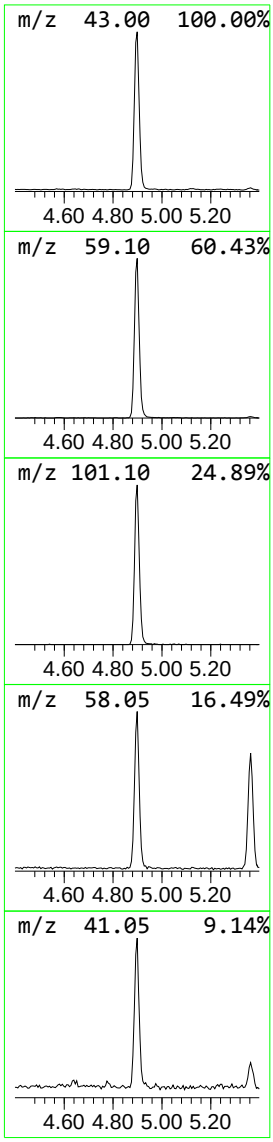
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.898	8.89 ng	821335	1,4-Dichlorobenzene-d4	7.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Sample Results: **BM049869.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

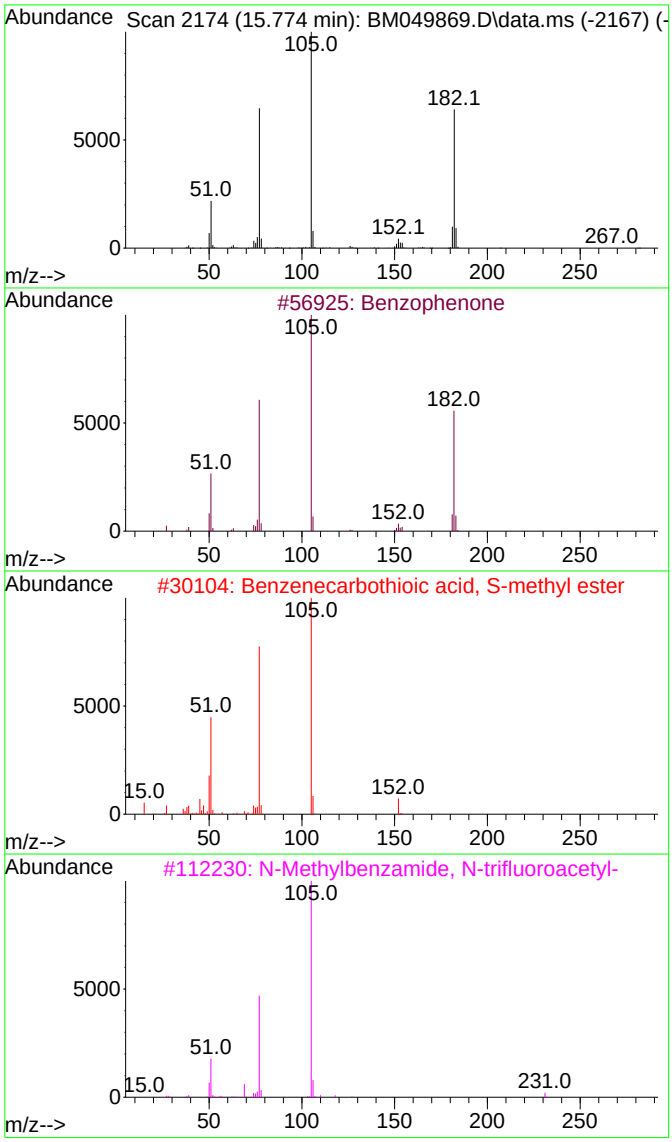
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

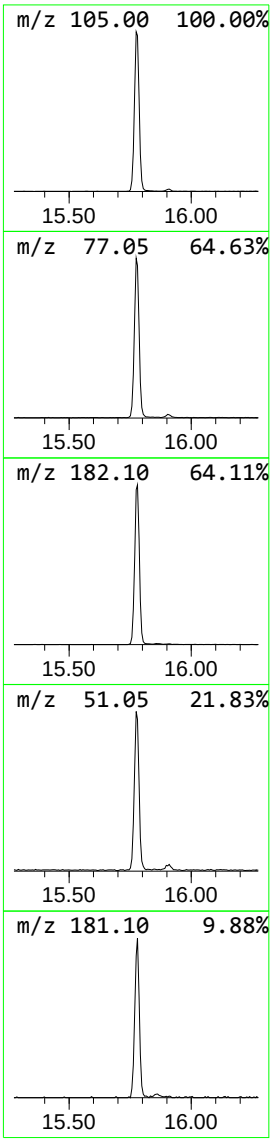
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.774	7.67 ng	1270600	Acenaphthene-d10	14.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
3	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	43
4	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

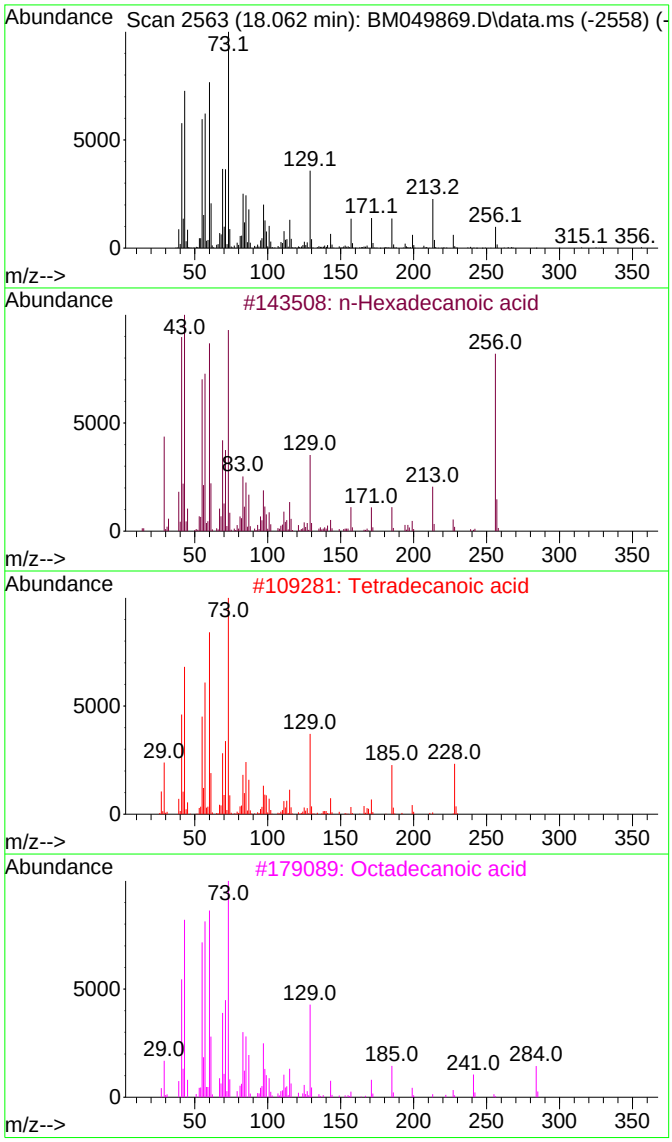
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

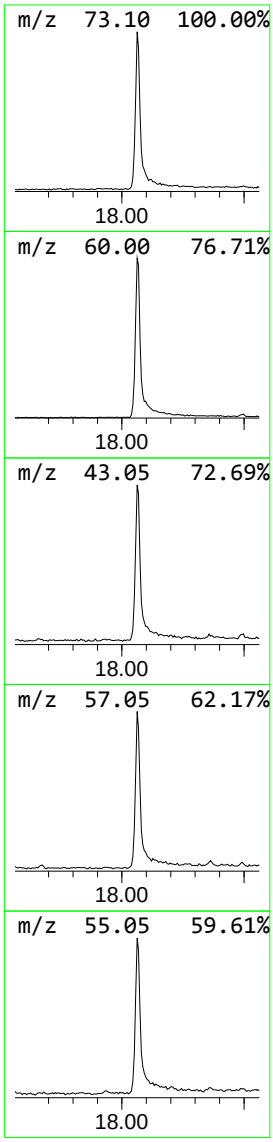
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.062	7.43 ng	1403690	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Octadecanoic acid	284	C18H36O2	000057-11-4	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

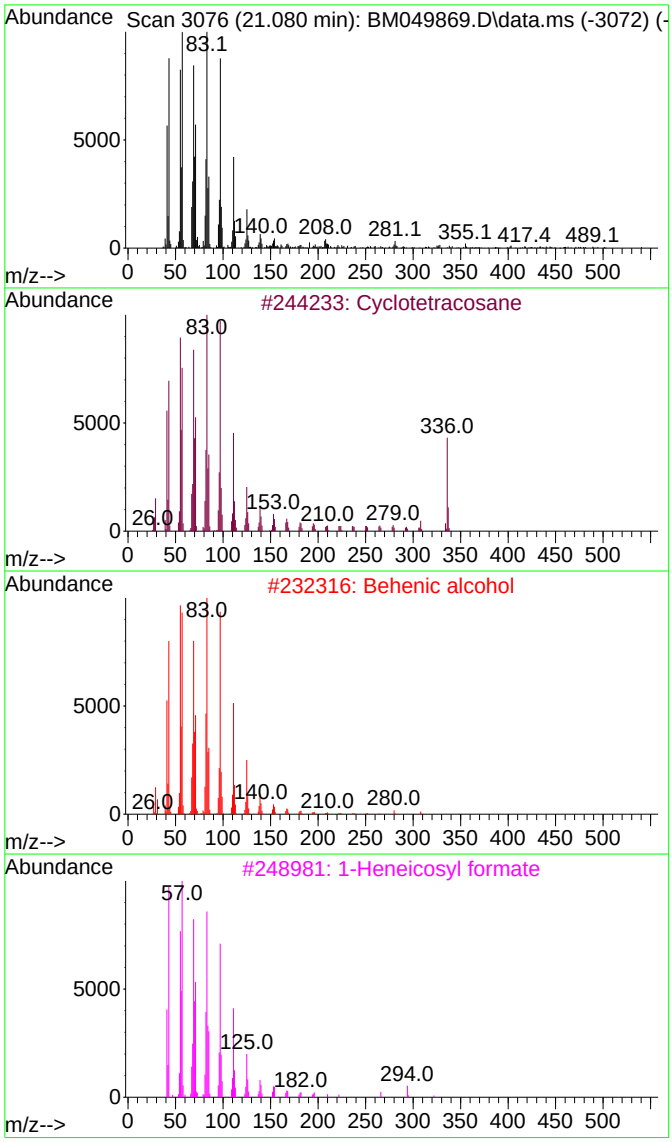
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

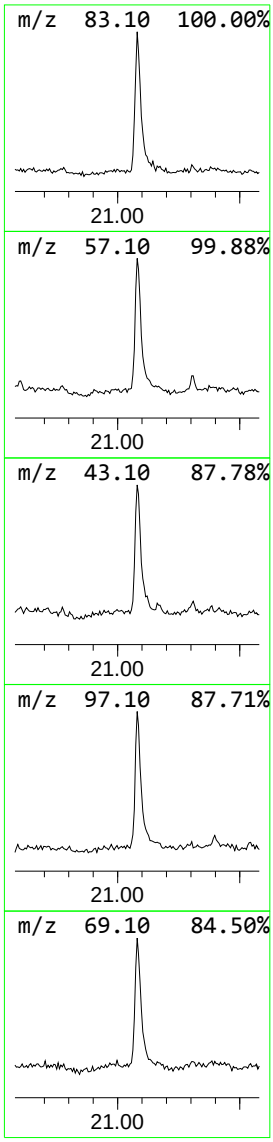
****

Peak Number 4 Cyclotetracosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.080	4.09 ng	785086	Chrysene-d12	21.397

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	97
2	Behenic alcohol	326	C22H46O	000661-19-8	94
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
4	1-Heptacosanol	396	C27H56O	002004-39-9	94
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049869.D
Acq On : 09 Apr 2025 15:45
Operator : RC/JU
Sample : Q1744-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.898	8.9	ng	821335	1	7.781	1847200	20.0
Benzophenone	15.774	7.7	ng	1270600	3	14.421	3312900	20.0
n-Hexadecanoic ...	18.062	7.4	ng	1403690	4	17.162	3779090	20.0
Cyclotetracosane	21.080	4.1	ng	785086	5	21.397	3842890	20.0

CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date(s): 04/08/2025 04/08/2025

Calibration Time(s): 13:35 20:07

LAB FILE ID: RRF2.5 = BM049848.D RRF005 = BM049849.D RRF010 = BM049850.D
RRF020 = BM049851.D RRF040 = BM049852.D RRF050 = BM049853.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.178	2.4
Benzaldehyde		0.874	0.830	0.838	0.750	0.712	0.752	14.3
Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.465	4.2
Phenol		1.376	1.370	1.482	1.441	1.394	1.430	3.6
bis(2-Chloroethyl)ether		1.113	1.084	1.147	1.135	1.096	1.121	2.4
2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.207	2.4
2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.881	3.3
2,2-oxybis(1-Chloropropane)		1.268	1.235	1.312	1.267	1.192	1.250	3.2
Acetophenone		0.463	0.477	0.496	0.498	0.482	0.486	2.6
3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.201	4.3
n-Nitroso-di-n-propylamine	0.760	0.786	0.783	0.860	0.836	0.793	0.812	4.6
Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.359	4.0
Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.500	2.3
Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.346	3.5
Isophorone		0.569	0.568	0.613	0.616	0.598	0.602	4.0
2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.183	7.9
2,4-Dimethylphenol		0.185	0.194	0.208	0.213	0.212	0.208	6.5
bis(2-Chloroethoxy)methane		0.386	0.386	0.411	0.410	0.399	0.403	3.1
2,4-Dichlorophenol		0.319	0.320	0.348	0.353	0.349	0.345	5.5
Naphthalene		1.004	0.990	1.045	1.042	1.019	1.028	2.3
4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.363	3.3
Hexachlorobutadiene		0.238	0.236	0.245	0.249	0.249	0.247	3.3
Caprolactam		0.093	0.089	0.100	0.102	0.099	0.099	6.3
4-Chloro-3-methylphenol		0.277	0.276	0.305	0.309	0.303	0.302	6.4
2-Methylnaphthalene		0.683	0.685	0.729	0.734	0.721	0.724	4.2
Hexachlorocyclopentadiene		0.214	0.223	0.247	0.264	0.260	0.245	7.9
2,4,6-Trichlorophenol		0.417	0.420	0.444	0.459	0.449	0.445	4.5
2-Fluorobiphenyl		1.425	1.414	1.499	1.515	1.486	1.475	2.7
2,4,5-Trichlorophenol		0.465	0.452	0.472	0.500	0.483	0.484	4.5
1,1-Biphenyl		1.451	1.429	1.514	1.528	1.480	1.487	2.5
2-Chloronaphthalene		1.140	1.144	1.188	1.194	1.163	1.169	1.9
2-Nitroaniline		0.232	0.242	0.272	0.283	0.281	0.270	8.8
Dimethylphthalate		1.366	1.331	1.430	1.438	1.411	1.411	3.3
Acenaphthylene		1.627	1.613	1.718	1.742	1.711	1.702	3.5

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date(s): 04/08/2025 04/08/2025

Calibration Time(s): 13:35 20:07

LAB FILE ID: RRF2.5 = BM049848.D RRF005 = BM049849.D RRF010 = BM049850.D
RRF020 = BM049851.D RRF040 = BM049852.D RRF050 = BM049853.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.249	0.265	0.303	0.310	0.305	0.296	9.4
3-Nitroaniline		0.236	0.253	0.290	0.310	0.295	0.286	10.6
Acenaphthene		1.027	1.023	1.089	1.113	1.089	1.083	3.8
2,4-Dinitrophenol			0.097	0.148	0.184	0.194	0.175	26.0
4-Nitrophenol		0.195	0.213	0.257	0.270	0.273	0.255	14.3
Dibenzofuran		1.737	1.709	1.821	1.845	1.815	1.810	3.5
2,4-Dinitrotoluene		0.309	0.333	0.395	0.421	0.420	0.394	13.4
Diethylphthalate		1.311	1.270	1.378	1.390	1.347	1.353	3.5
4-Chlorophenyl-phenylether		0.699	0.694	0.761	0.789	0.791	0.771	7.4
Fluorene		1.354	1.335	1.450	1.481	1.456	1.439	4.7
4-Nitroaniline		0.227	0.247	0.301	0.320	0.316	0.295	14.0
4,6-Dinitro-2-methylphenol			0.094	0.119	0.132	0.133	0.126	13.6
n-Nitrosodiphenylamine		0.561	0.578	0.606	0.619	0.602	0.599	3.5
2,4,6-Tribromophenol		0.258	0.255	0.280	0.294	0.298	0.291	9.9
4-Bromophenyl-phenylether		0.212	0.212	0.227	0.239	0.237	0.232	6.8
Hexachlorobenzene		0.249	0.250	0.262	0.273	0.268	0.266	5.1
Atrazine		0.186	0.177	0.142	0.130	0.142	0.155	15.9
Pentachlorophenol		0.181	0.186	0.191	0.204	0.197	0.196	5.5
Phenanthrene		1.031	1.030	1.095	1.133	1.104	1.096	4.4
Anthracene		0.997	1.004	1.074	1.125	1.099	1.081	5.4
Carbazole		0.922	0.952	1.024	1.059	1.038	1.018	5.7
Di-n-butylphthalate		1.119	1.120	1.189	1.216	1.176	1.172	3.2
Fluoranthene		1.187	1.206	1.310	1.387	1.395	1.348	8.8
Pyrene		1.310	1.280	1.395	1.408	1.393	1.378	4.3
Terphenyl-d14		0.988	1.004	1.139	1.187	1.142	1.067	7.9
Butylbenzylphthalate		0.502	0.500	0.537	0.536	0.511	0.518	2.9
3,3-Dichlorobenzidine		0.428	0.450	0.492	0.526	0.516	0.502	9.7
Benzo(a)anthracene		1.237	1.226	1.335	1.362	1.345	1.329	5.4
Chrysene		1.179	1.173	1.261	1.292	1.277	1.264	5.2
Bis(2-ethylhexyl)phthalate		0.758	0.747	0.790	0.783	0.740	0.755	3.2
Di-n-octyl phthalate		1.291	1.287	1.366	1.362	1.307	1.320	2.4
Benzo(b)fluoranthene		1.141	1.157	1.223	1.308	1.313	1.277	8.4
Benzo(k)fluoranthene		1.132	1.122	1.209	1.242	1.263	1.238	7.5
Benzo(a)pyrene		1.011	1.026	1.096	1.130	1.154	1.122	7.5
Indeno(1,2,3-cd)pyrene		1.375	1.368	1.480	1.507	1.523	1.491	6.2

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date(s): 04/08/2025 04/08/2025

Calibration Time(s): 13:35 20:07

LAB FILE ID: RRF2.5 = BM049848.D RRF005 = BM049849.D RRF010 = BM049850.D
RRF020 = BM049851.D RRF040 = BM049852.D RRF050 = BM049853.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.128	1.128	1.205	1.244	1.258	1.228	6.4
Benzo(g,h,i)perylene		1.178	1.179	1.255	1.265	1.269	1.255	4.7
1,2,4,5-Tetrachlorobenzene		0.664	0.662	0.697	0.706	0.711	0.700	4.0
1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.485	2.5
2,3,4,6-Tetrachlorophenol		0.418	0.397	0.416	0.427	0.420	0.424	4.2

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049848.D 5 =BM049849.D 10 =BM049850.D 20 =BM049851.D 40 =BM049852.D 50 =BM049853.D 60 =BM049854.D 80 =BM0498
55.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.471	0.483	0.485	2.47
3)		Pyridine		1.262	1.220	1.322	1.287	1.276	1.278	1.276	1.274	2.40
4)		n-Nitrosodimet...		0.478	0.461	0.496	0.489	0.484	0.500	0.488	0.485	2.67
5)	S	2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.210	1.177	1.178	2.40
6)		Aniline		1.304	1.315	1.396	1.325	1.153	1.142	1.154	1.256	8.22
7)	S	Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.543	1.485	1.465	4.15
8)		2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.239	1.199	1.207	2.42
9)		Benzaldehyde		0.873	0.830	0.838	0.750	0.712	0.701	0.561	0.752	14.25
10)	C	Phenol		1.376	1.370	1.482	1.441	1.394	1.496	1.451	1.430	3.56
11)		bis(2-Chloroet...		1.113	1.084	1.147	1.135	1.096	1.160	1.114	1.121	2.45
12)		1,3-Dichlorobe...		1.417	1.391	1.475	1.438	1.418	1.441	1.409	1.427	1.90
13)	C	1,4-Dichlorobe...		1.418	1.399	1.488	1.453	1.412	1.455	1.426	1.436	2.15
14)		1,2-Dichlorobe...		1.348	1.325	1.402	1.374	1.324	1.359	1.334	1.352	2.12
15)		Benzyl Alcohol		0.852	0.857	0.950	0.953	0.904	0.993	0.951	0.923	5.79
16)		2,2'-oxybis(1-...		1.268	1.235	1.312	1.267	1.192	1.261	1.214	1.250	3.18
17)		2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.920	0.877	0.881	3.29
18)		Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.501	0.488	0.500	2.32
19)	P	n-Nitroso-di-n...	0.760	0.786	0.783	0.860	0.836	0.793	0.859	0.816	0.812	4.60
20)		3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.272	1.215	1.201	4.31
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.463	0.477	0.496	0.498	0.482	0.494	0.493	0.486	2.64
23)	S	Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.370	0.371	0.359	3.96
24)		Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.353	0.354	0.346	3.49
25)		Isophorone		0.569	0.568	0.613	0.616	0.598	0.628	0.620	0.602	4.05
26)	C	2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.197	0.197	0.183	7.91
27)		2,4-Dimethylph...		0.185	0.194	0.208	0.213	0.212	0.221	0.221	0.208	6.48
28)		bis(2-Chloroet...		0.386	0.386	0.411	0.410	0.399	0.415	0.412	0.403	3.08
29)	C	2,4-Dichloroph...		0.319	0.320	0.348	0.353	0.349	0.364	0.364	0.345	5.45
30)		1,2,4-Trichlor...		0.386	0.380	0.401	0.404	0.399	0.412	0.413	0.399	3.11
31)		Naphthalene		1.004	0.990	1.045	1.042	1.019	1.050	1.045	1.028	2.32
32)		Benzoic acid			0.109	0.175	0.230	0.240	0.283	0.283	0.220	30.63
33)		4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.359	0.366	0.363	3.34
34)	C	Hexachlorobuta...		0.238	0.236	0.245	0.249	0.249	0.255	0.258	0.247	3.33
35)		Caprolactam		0.093	0.089	0.100	0.102	0.099	0.107	0.104	0.099	6.29
36)	C	4-Chloro-3-met...		0.277	0.276	0.305	0.309	0.303	0.326	0.321	0.302	6.41
37)		2-Methylnaphth...		0.683	0.685	0.729	0.734	0.721	0.762	0.755	0.724	4.23
38)		1-Methylnaphth...		0.680	0.659	0.711	0.713	0.703	0.739	0.732	0.705	3.97

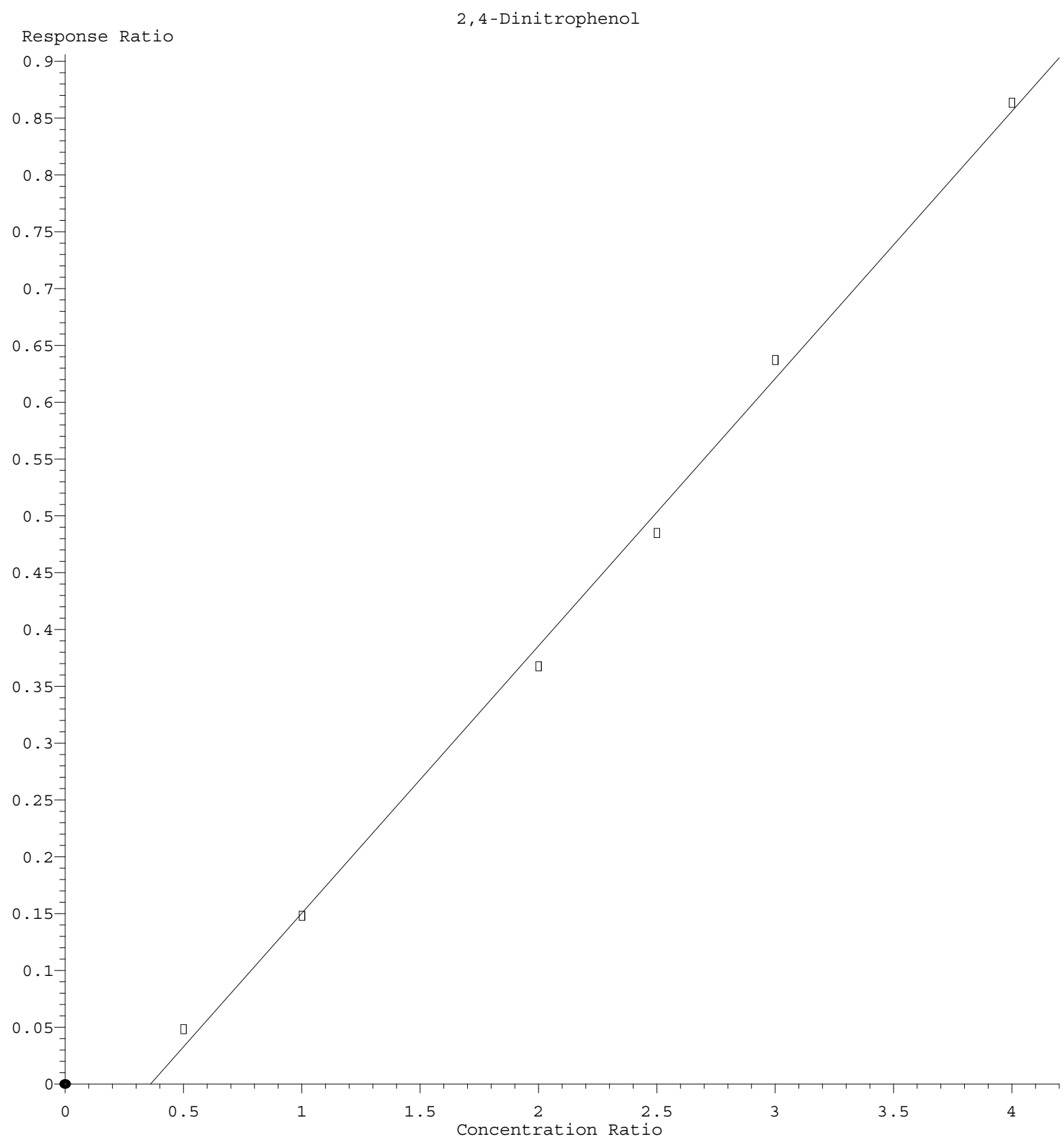
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.664	0.662	0.697	0.706	0.711	0.721	0.737	0.700	4.02
41)	P	Hexachlorocycl...	0.214	0.223	0.247	0.264	0.260	0.258	0.251	0.245	7.86
42)	S	2,4,6-Tribromo...	0.258	0.255	0.280	0.294	0.298	0.323	0.328	0.291	9.94
43)	C	2,4,6-Trichlor...	0.417	0.420	0.444	0.459	0.449	0.459	0.468	0.445	4.46
44)		2,4,5-Trichlor...	0.465	0.452	0.472	0.500	0.483	0.504	0.510	0.484	4.52
45)	S	2-Fluorobiphenyl	1.425	1.414	1.499	1.515	1.486	1.482	1.504	1.475	2.68
46)		1,1'-Biphenyl	1.451	1.429	1.514	1.528	1.480	1.490	1.515	1.487	2.45
47)		2-Chloronaphth...	1.140	1.144	1.188	1.194	1.163	1.162	1.189	1.169	1.88
48)		2-Nitroaniline	0.232	0.242	0.272	0.283	0.281	0.286	0.295	0.270	8.83
49)		Acenaphthylene	1.627	1.613	1.718	1.742	1.711	1.735	1.768	1.702	3.46
50)		Dimethylphthalate	1.366	1.331	1.430	1.438	1.411	1.446	1.455	1.411	3.27
51)		2,6-Dinitrotol...	0.249	0.265	0.303	0.310	0.305	0.317	0.320	0.296	9.38
52)	C	Acenaphthene	1.027	1.023	1.089	1.113	1.089	1.110	1.127	1.083	3.83
53)		3-Nitroaniline	0.236	0.253	0.290	0.310	0.295	0.295	0.321	0.286	10.64
54)	P	2,4-Dinitrophenol		0.097	0.148	0.184	0.194	0.212	0.216	0.175	26.04
55)		Dibenzofuran	1.737	1.709	1.821	1.845	1.815	1.862	1.879	1.810	3.52
56)	P	4-Nitrophenol	0.195	0.213	0.257	0.270	0.273	0.286	0.288	0.255	14.34
57)		2,4-Dinitrotol...	0.309	0.333	0.395	0.421	0.420	0.440	0.443	0.394	13.45
58)		Fluorene	1.354	1.335	1.450	1.481	1.456	1.489	1.505	1.439	4.67
59)		2,3,4,6-Tetrac...	0.418	0.397	0.416	0.427	0.420	0.440	0.452	0.424	4.21
60)		Diethylphthalate	1.311	1.270	1.378	1.390	1.347	1.378	1.397	1.353	3.46
61)		4-Chlorophenyl...	0.699	0.694	0.761	0.789	0.791	0.830	0.836	0.771	7.43
62)		4-Nitroaniline	0.227	0.247	0.301	0.320	0.316	0.327	0.331	0.295	14.02
63)		Azobenzene	1.077	1.085	1.185	1.202	1.167	1.192	1.200	1.158	4.67
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.119	0.132	0.133	0.138	0.140	0.126	13.60
66)	c	n-Nitrosodiphe...	0.561	0.578	0.606	0.619	0.602	0.610	0.614	0.599	3.54
67)		4-Bromophenyl-...	0.212	0.212	0.227	0.239	0.237	0.247	0.252	0.232	6.83
68)		Hexachlorobenzene	0.249	0.250	0.262	0.273	0.268	0.279	0.284	0.266	5.08
69)		Atrazine	0.186	0.177	0.142	0.130	0.142		0.155		15.89
70)	C	Pentachlorophenol	0.181	0.186	0.191	0.204	0.197	0.204	0.210	0.196	5.46
71)		Phenanthrene	1.031	1.030	1.095	1.133	1.104	1.135	1.147	1.096	4.41
72)		Anthracene	0.997	1.004	1.074	1.125	1.099	1.125	1.140	1.081	5.41
73)		Carbazole	0.922	0.952	1.024	1.059	1.038	1.060	1.071	1.018	5.69
74)		Di-n-butylphth...	1.119	1.120	1.189	1.216	1.176	1.191	1.196	1.172	3.22
75)	C	Fluoranthene	1.187	1.206	1.310	1.387	1.395	1.463	1.488	1.348	8.78
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.319	0.260	0.205	0.403	0.163	0.150	0.357	0.265	36.93
78)		Pyrene	1.310	1.280	1.395	1.408	1.393	1.419	1.443	1.378	4.35
79)	S	Terphenyl-d14	0.988	1.004	1.139	1.187	1.142	1.007	1.004	1.067	7.91
80)		Butylbenzylpht...	0.502	0.500	0.537	0.536	0.511	0.516	0.523	0.518	2.88
81)		Benzo(a)anthra...	1.237	1.226	1.335	1.362	1.345	1.391	1.408	1.329	5.38
82)		3,3'-Dichlorob...	0.428	0.450	0.492	0.526	0.516	0.538	0.565	0.502	9.74
83)		Chrysene	1.179	1.173	1.261	1.292	1.277	1.318	1.346	1.264	5.21
84)		Bis(2-ethylhex...	0.758	0.747	0.790	0.783	0.740	0.727	0.737	0.755	3.16
85)	c	Di-n-octyl pht...	1.291	1.287	1.366	1.362	1.307	1.311	1.316	1.320	2.42

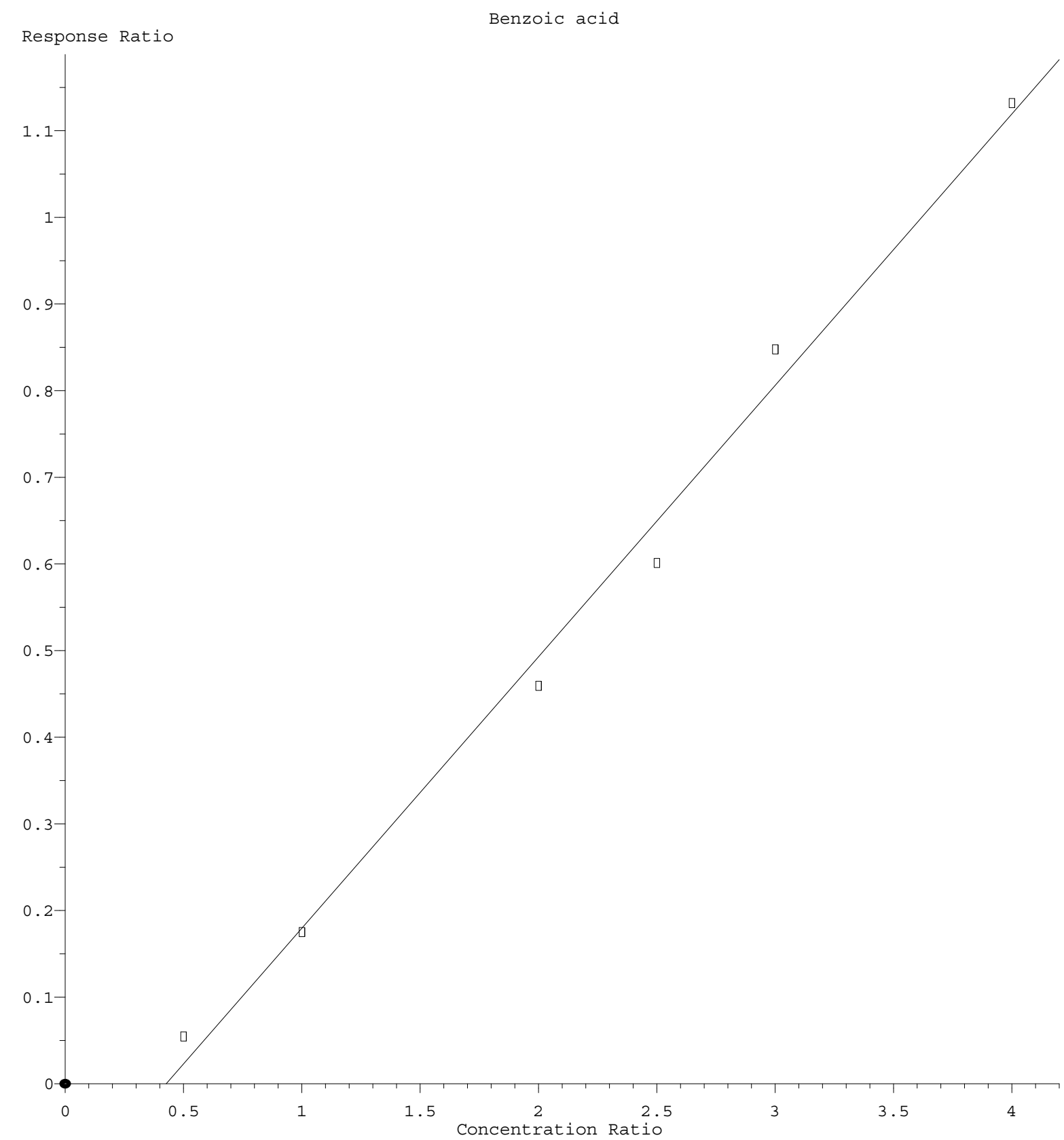
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.375	1.368	1.480	1.507	1.523	1.577	1.606	1.491	6.16
88)		Benzo(b)fluora...	1.141	1.157	1.223	1.308	1.313	1.379	1.420	1.277	8.40
89)		Benzo(k)fluora...	1.132	1.122	1.209	1.242	1.263	1.336	1.362	1.238	7.46
90)	C	Benzo(a)pyrene	1.011	1.026	1.096	1.130	1.154	1.209	1.230	1.122	7.50
91)		Dibenzo(a,h)an...	1.128	1.128	1.205	1.244	1.258	1.301	1.331	1.228	6.43
92)		Benzo(g,h,i)pe...	1.178	1.179	1.255	1.265	1.269	1.310	1.328	1.255	4.65

(#) = Out of Range



Response = 2.353e-001 * Amt - 8.501e-002
Coef of Det (r^2) = 0.997352 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM040825.M
Calibration Table Last Updated: Wed Apr 09 04:00:55 2025



Response = 3.132e-001 * Amt - 1.337e-001
Coef of Det (r^2) = 0.992281 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM040825.M
Calibration Table Last Updated: Wed Apr 09 04:00:55 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	320498	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1104487	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	681841	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1325316	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1306777	20.000	ng	0.00
86) Perylene-d12	24.409	264	1436109	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...	8.580	70	30460	2.342	ng	98

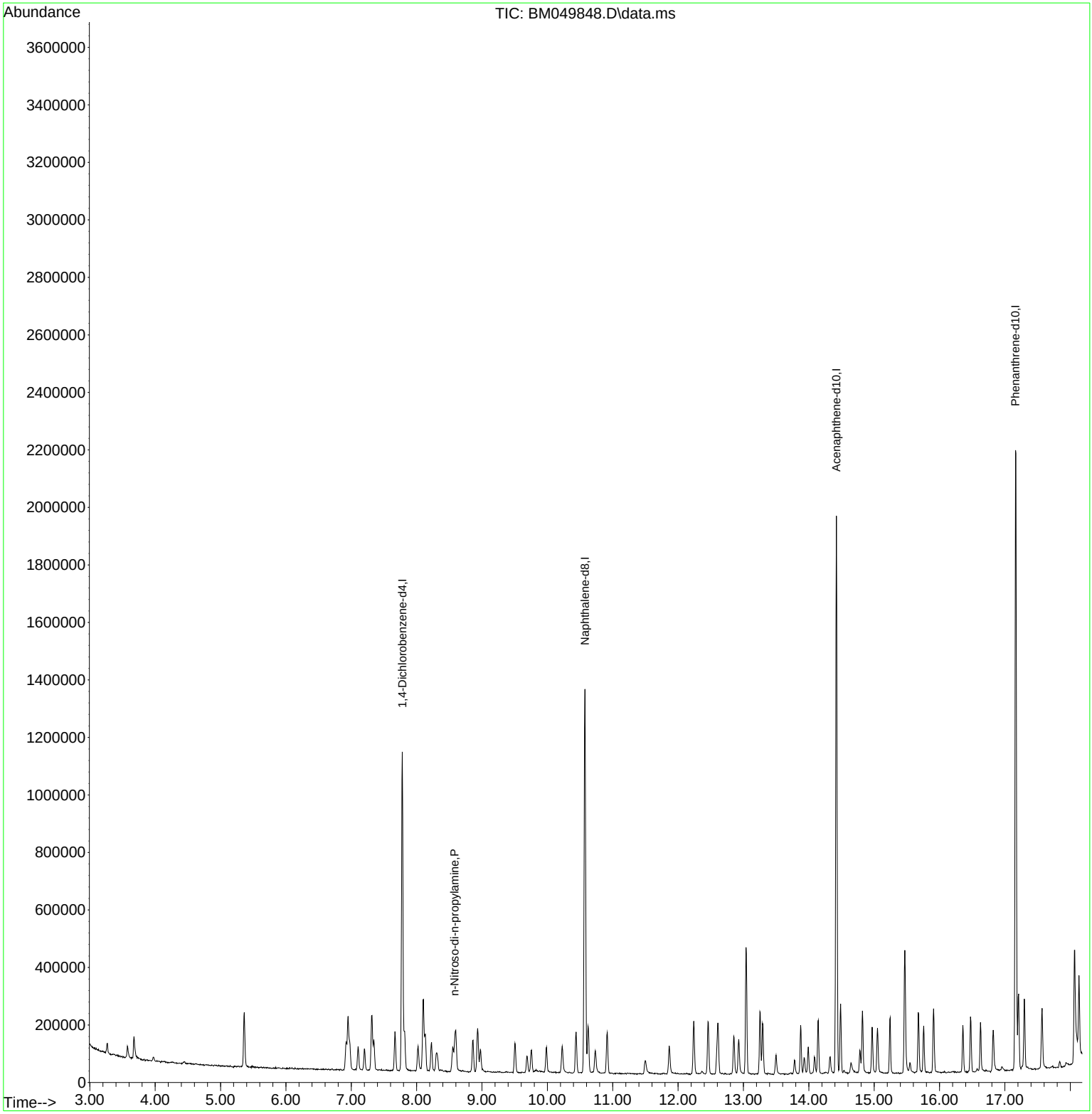
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

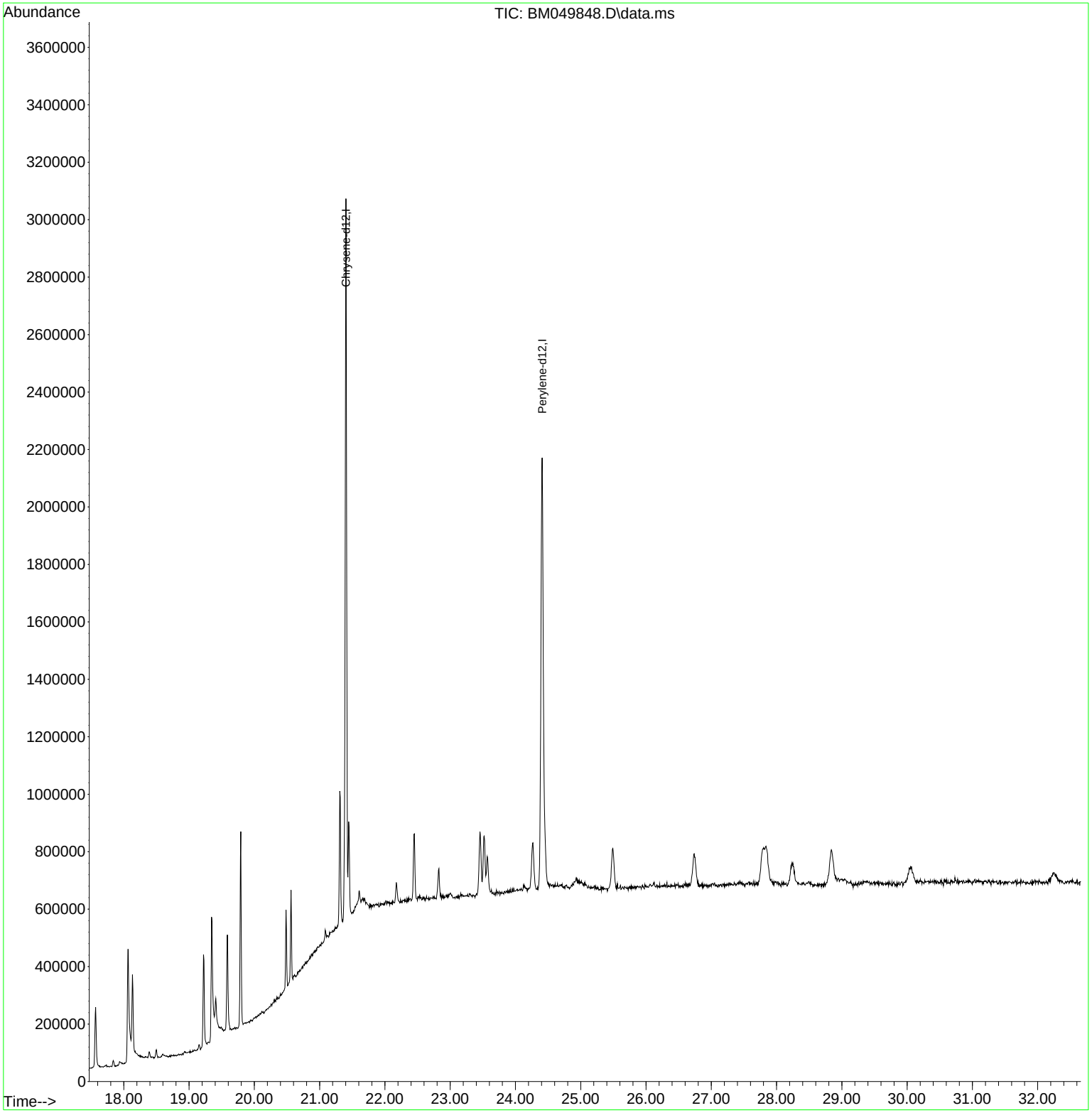
Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

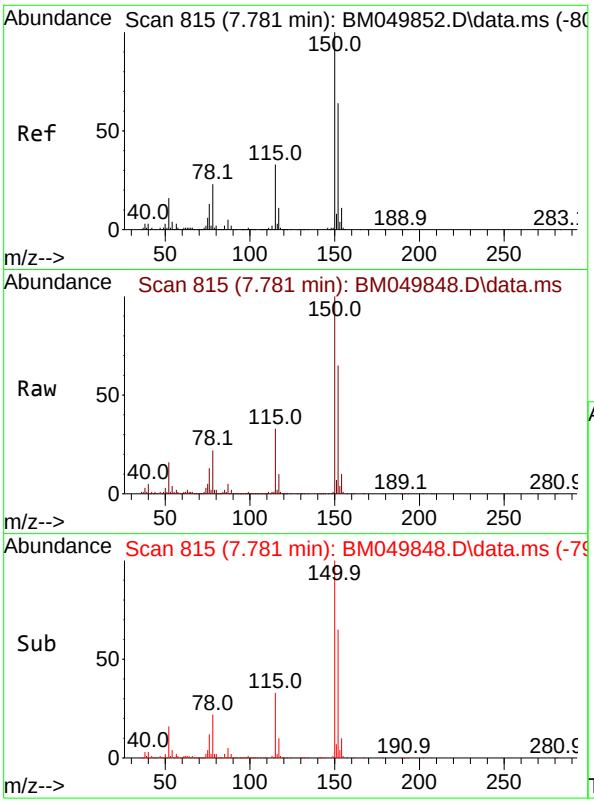


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



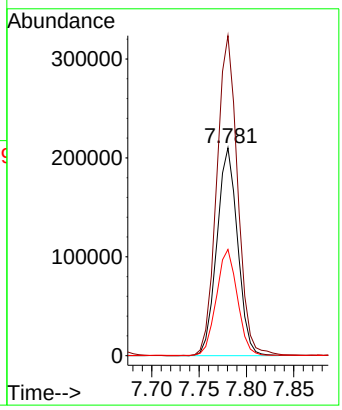


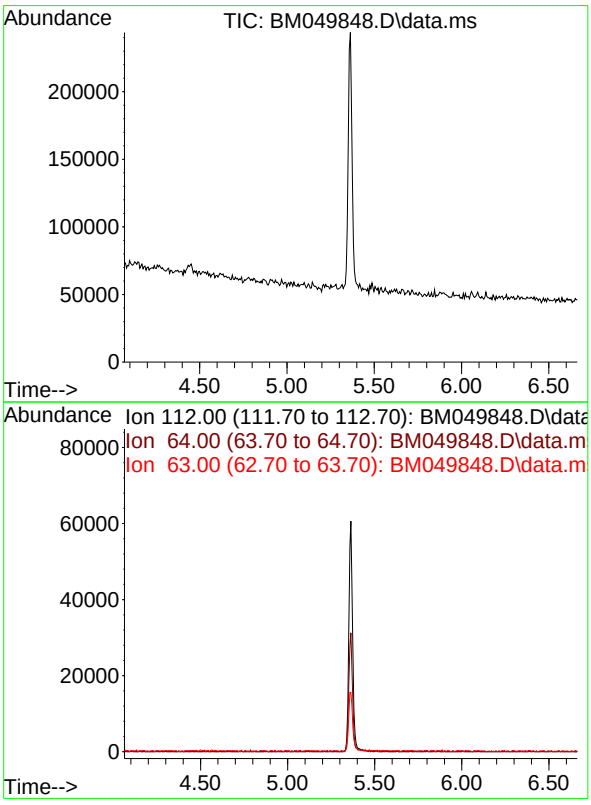
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 320498

Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.3	186.5
115	51.1	41.1	61.7



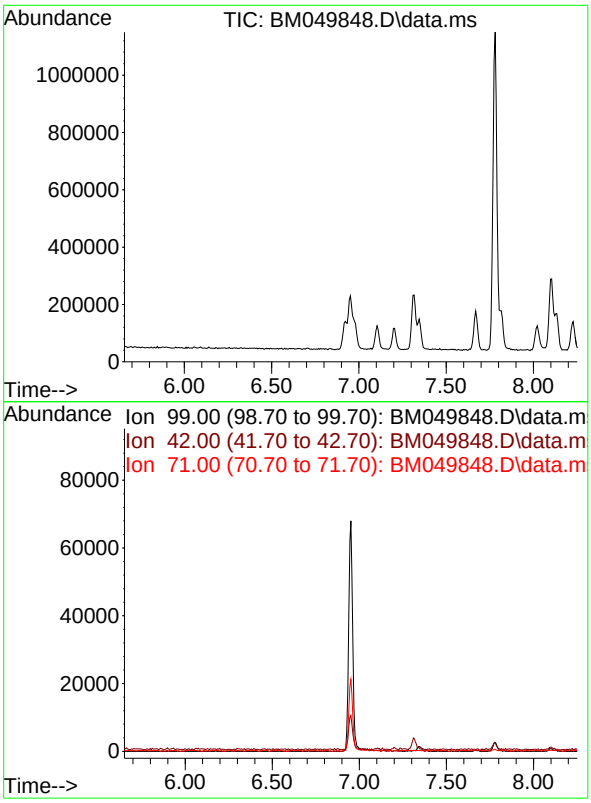


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.36 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.3
63	26.9



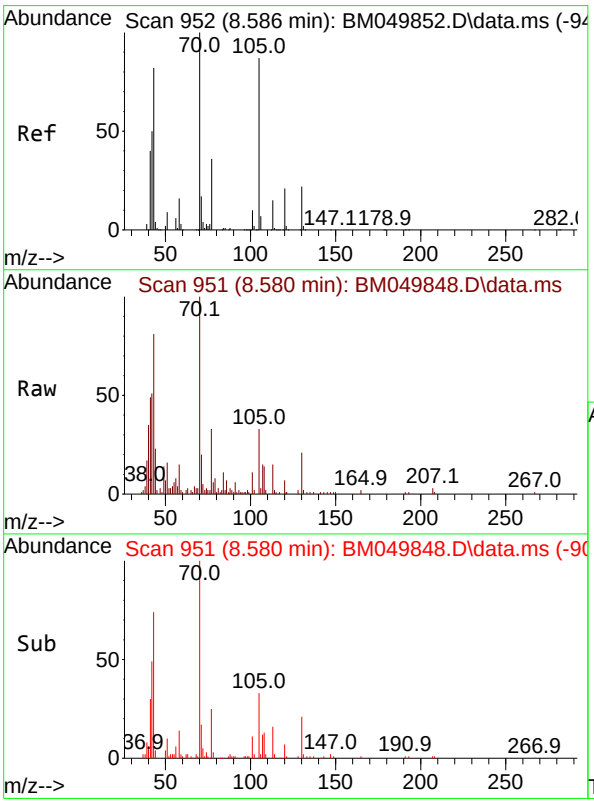
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

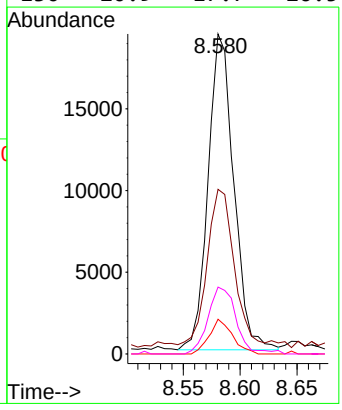
Sig	Exp Ratio
99	100
42	15.1
71	31.1

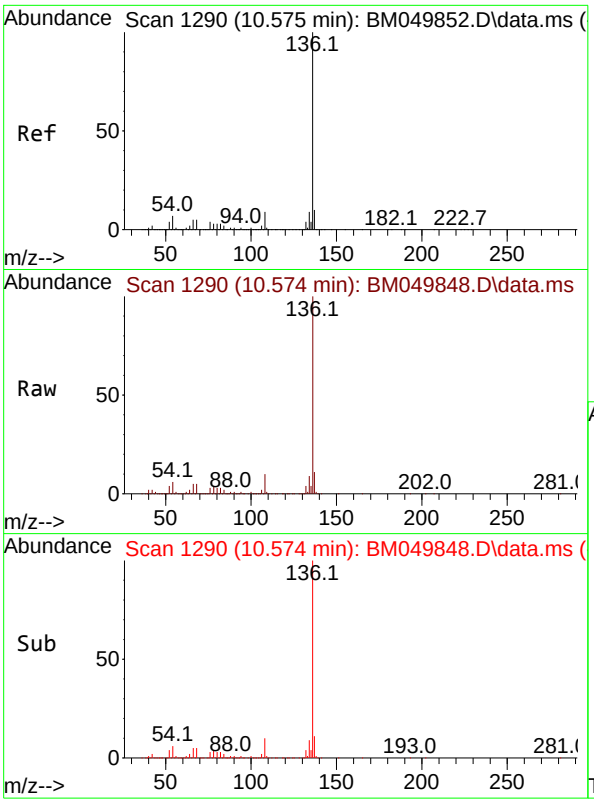


#19
n-Nitroso-di-n-propylamine
Concen: 2.342 ng
RT: 8.580 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 70 Resp: 30460

Ion	Ratio	Lower	Upper
70	100		
42	51.4	40.2	60.2
101	10.9	7.9	11.9
130	20.9	17.7	26.5



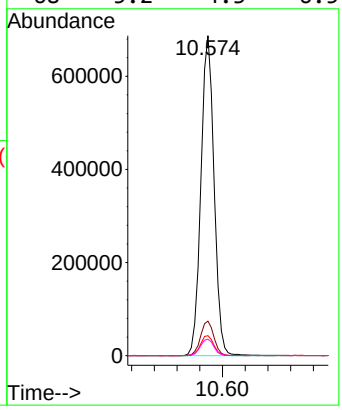


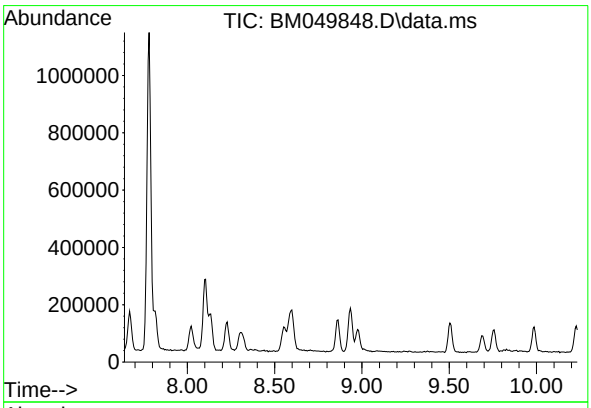
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1104487

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.3	5.3	7.9
68	5.2	4.3	6.5



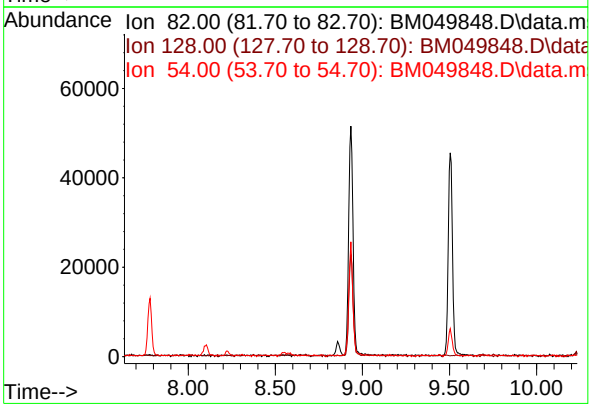


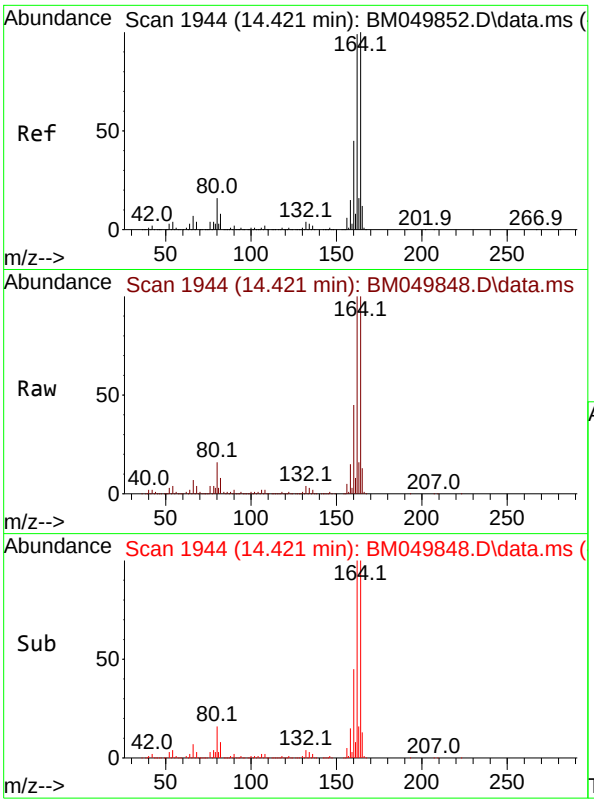
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.93 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.2
54	43.8



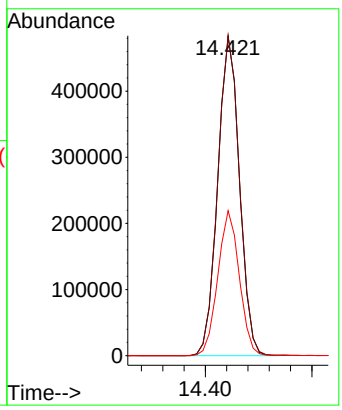


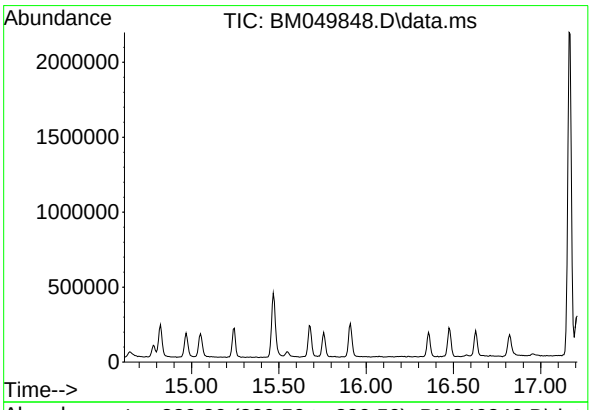
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 681841

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.4	119.0
160	45.4	36.2	54.2



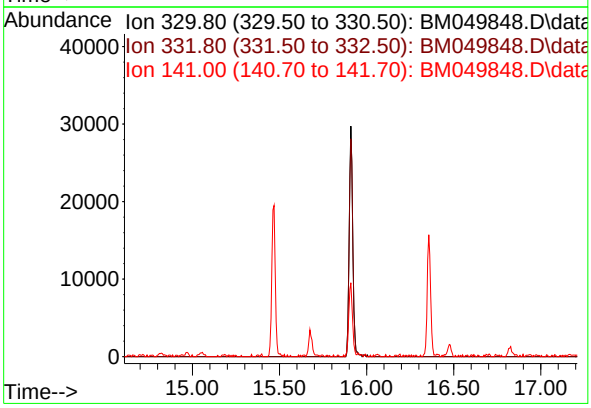


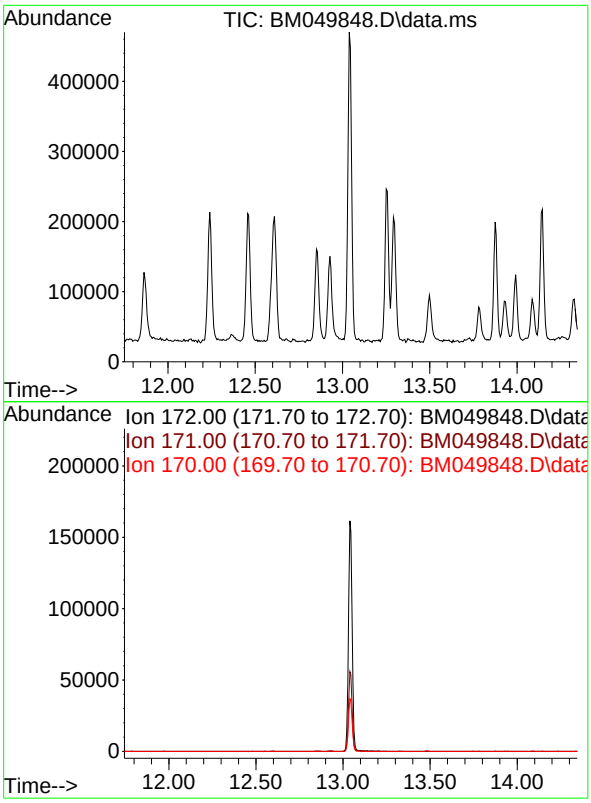
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.91 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	29.4





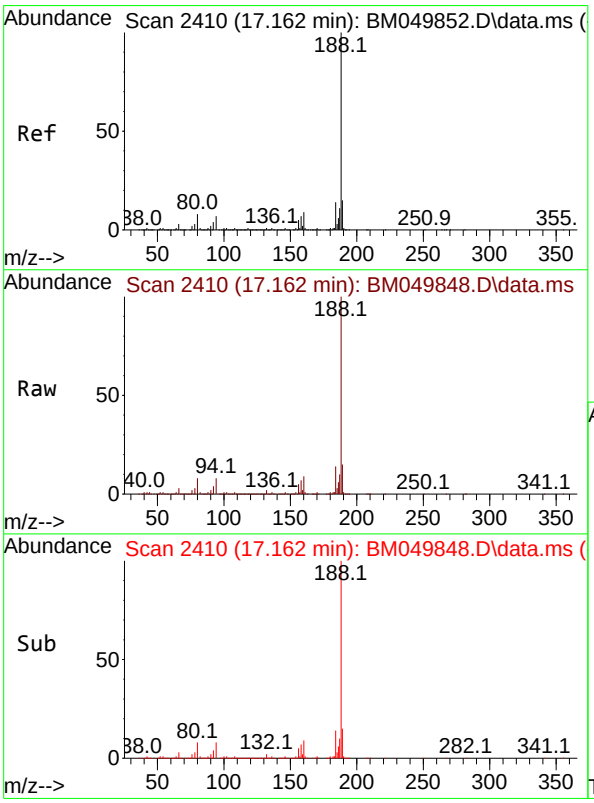
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.05 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

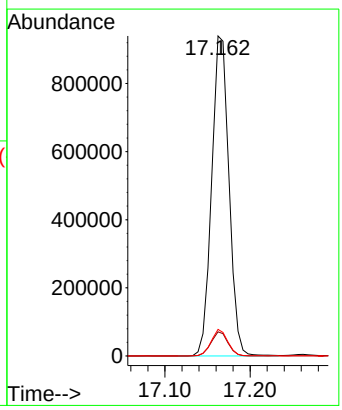
Sig	Exp Ratio
172	100
171	34.3
170	23.3

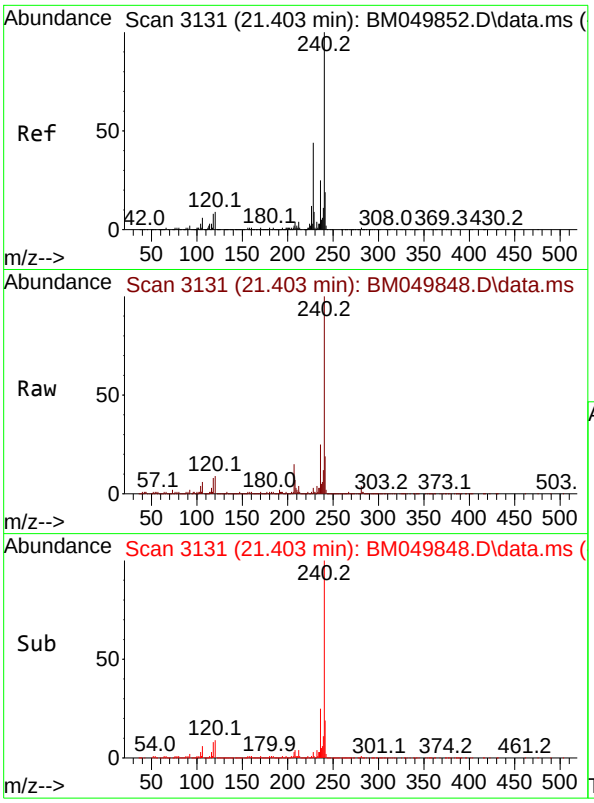


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion:188 Resp: 1325316

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	8.3	6.4	9.6



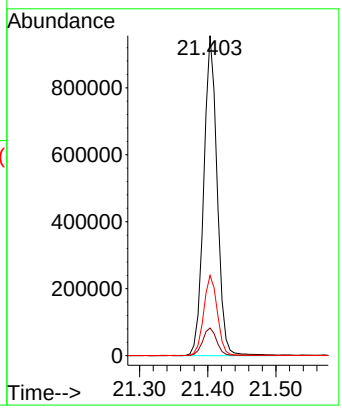


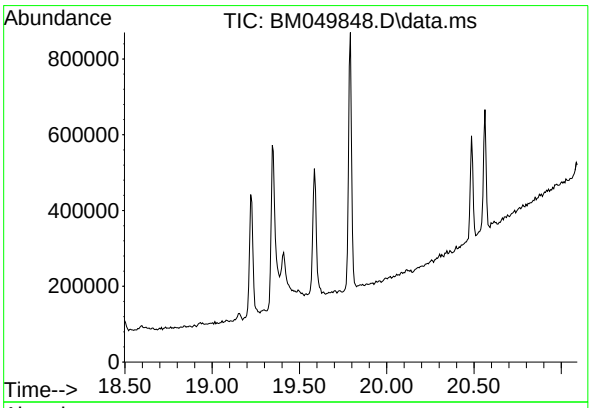
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1306777

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.1	20.4	30.6



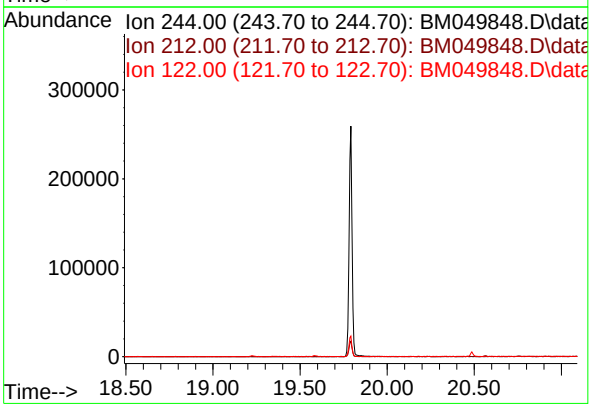


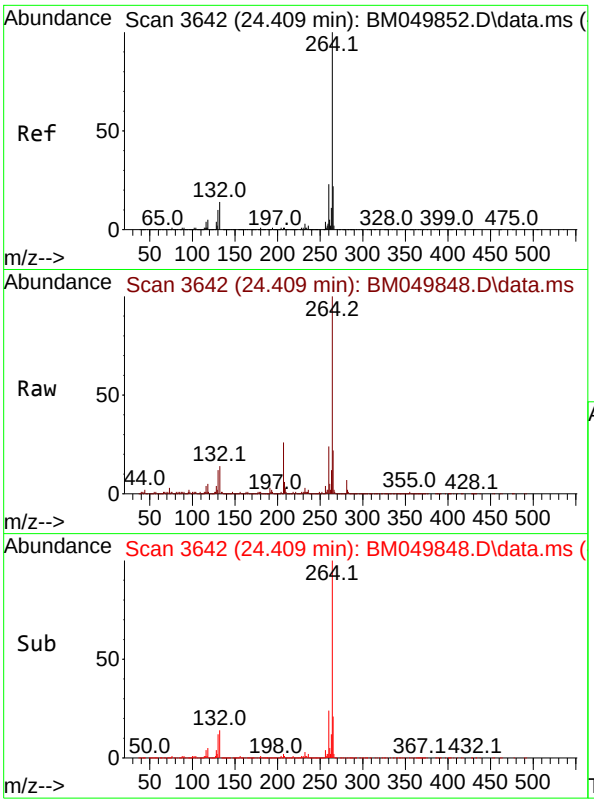
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.79 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.9
122	6.7



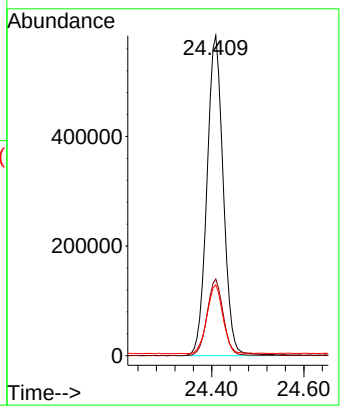


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1436109

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	22.1	17.8	26.8



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	315494	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1095995	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	671126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1305854	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1255417	20.000	ng		0.00
86) Perylene-d12	24.403	264	1363674	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	180654	9.723	ng		0.00
7) Phenol-d6	6.951	99	219444	9.493	ng		0.00
23) Nitrobenzene-d5	8.933	82	183508	9.324	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	86574	8.869	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	478149	9.661	ng		0.00
79) Terphenyl-d14	19.792	244	620191	9.258	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	39196	5.123	ng		99
3) Pyridine	3.669	79	99537	4.953	ng		93
4) n-Nitrosodimethylamine	3.575	42	37684	4.926	ng	#	91
6) Aniline	7.104	93	102863	5.193	ng		98
8) 2-Chlorophenol	7.345	128	93043	4.887	ng		99
9) Benzaldehyde	6.922	77	68896m	5.813	ng		
10) Phenol	6.975	94	108517	4.811	ng		100
11) bis(2-Chloroethyl)ether	7.204	93	87813	4.964	ng		99
12) 1,3-Dichlorobenzene	7.669	146	111770	4.965	ng		98
13) 1,4-Dichlorobenzene	7.816	146	111836	4.937	ng		99
14) 1,2-Dichlorobenzene	8.133	146	106307	4.983	ng		96
15) Benzyl Alcohol	8.022	79	67196	4.616	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	100016	5.073	ng		97
17) 2-Methylphenol	8.228	107	67662	4.867	ng		99
18) Hexachloroethane	8.863	117	39805	5.051	ng		96
19) n-Nitroso-di-n-propyla...	8.581	70	61968	4.840	ng		97
20) 3+4-Methylphenols	8.551	107	89903	4.744	ng		99
22) Acetophenone	8.598	105	126780	4.760	ng		96
24) Nitrobenzene	8.975	77	90100	4.754	ng		99
25) Isophorone	9.504	82	156018	4.732	ng		99
26) 2-Nitrophenol	9.686	139	44371	4.417	ng		96
27) 2,4-Dimethylphenol	9.757	122	50734	4.457	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	105841	4.795	ng		98
29) 2,4-Dichlorophenol	10.227	162	87444	4.621	ng		97
30) 1,2,4-Trichlorobenzene	10.439	180	105742	4.830	ng		99
31) Naphthalene	10.622	128	274967	4.883	ng		99
33) 4-Chloroaniline	10.733	127	95317	4.793	ng		99
34) Hexachlorobutadiene	10.916	225	65197	4.815	ng		98
35) Caprolactam	11.498	113	25608	4.718	ng		91
36) 4-Chloro-3-methylphenol	11.869	107	75972	4.583	ng		99
37) 2-Methylnaphthalene	12.239	142	187208	4.718	ng		99
38) 1-Methylnaphthalene	12.457	142	186332	4.820	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	111415	4.745	ng		99
41) Hexachlorocyclopentadiene	12.592	237	35937	4.368	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	69935	4.681	ng		97
44) 2,4,5-Trichlorophenol	12.927	196	78011	4.805	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	13.257	154	243448	4.880	ng		99
47)	2-Chloronaphthalene	13.292	162	191299	4.879	ng		98
48)	2-Nitroaniline	13.498	65	38874	4.285	ng		94
49)	Acenaphthylene	14.145	152	272990	4.779	ng		99
50)	Dimethylphthalate	13.874	163	229200	4.841	ng		99
51)	2,6-Dinitrotoluene	13.992	165	41712	4.205	ng		93
52)	Acenaphthene	14.486	154	172362	4.744	ng		100
53)	3-Nitroaniline	14.321	138	39627	4.133	ng	#	99
55)	Dibenzofuran	14.821	168	291515	4.800	ng		99
56)	4-Nitrophenol	14.639	139	32685	3.826	ng		95
57)	2,4-Dinitrotoluene	14.780	165	51881	3.920	ng	#	94
58)	Fluorene	15.468	166	227189	4.706	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.051	232	70065	4.924	ng		98
60)	Diethylphthalate	15.239	149	220014	4.846	ng		98
61)	4-Chlorophenyl-phenyle...	15.468	204	117238	4.529	ng		97
62)	4-Nitroaniline	15.480	138	38105	3.843	ng		95
63)	Azobenzene	15.757	77	180758	4.650	ng		98
66)	n-Nitrosodiphenylamine	15.674	169	183131	4.686	ng		100
67)	4-Bromophenyl-phenylether	16.356	248	69182	4.564	ng		98
68)	Hexachlorobenzene	16.474	284	81189	4.669	ng		95
69)	Atrazine	16.627	200	60729	5.993	ng		98
70)	Pentachlorophenol	16.821	266	59080	4.615	ng		98
71)	Phenanthrene	17.203	178	336674	4.703	ng		100
72)	Anthracene	17.298	178	325638	4.616	ng		99
73)	Carbazole	17.568	167	301001	4.530	ng		99
74)	Di-n-butylphthalate	18.133	149	365358	4.773	ng		100
75)	Fluoranthene	19.221	202	387674	4.404	ng		100
77)	Benzidine	19.409	184	100183	6.015	ng		97
78)	Pyrene	19.586	202	411233	4.753	ng		99
80)	Butylbenzylphthalate	20.486	149	157696	4.851	ng		98
81)	Benzo(a)anthracene	21.386	228	388113	4.652	ng		100
82)	3,3'-Dichlorobenzidine	21.309	252	134300	4.262	ng	#	98
83)	Chrysene	21.444	228	370038	4.665	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.315	149	237828	5.021	ng		100
85)	Di-n-octyl phthalate	22.444	149	405083	4.889	ng		99
87)	Indeno(1,2,3-cd)pyrene	27.785	276	468774	4.612	ng	#	93
88)	Benzo(b)fluoranthene	23.456	252	389022	4.467	ng		98
89)	Benzo(k)fluoranthene	23.521	252	385821	4.571	ng		98
90)	Benzo(a)pyrene	24.262	252	344800	4.505	ng		98
91)	Dibenzo(a,h)anthracene	27.844	278	384717	4.595	ng		99
92)	Benzo(g,h,i)perylene	28.838	276	401539	4.693	ng		99

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

ICAL Form

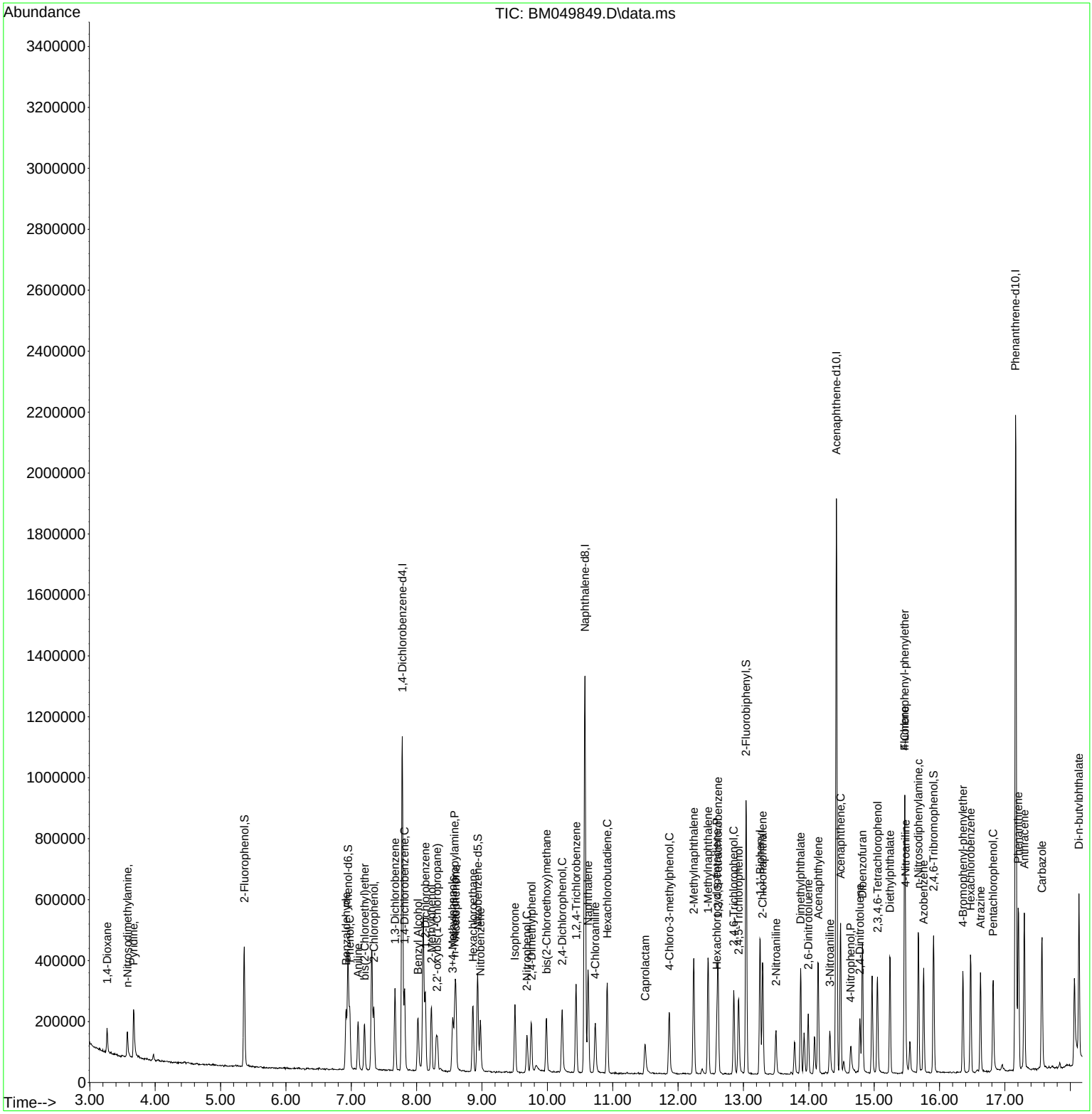
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

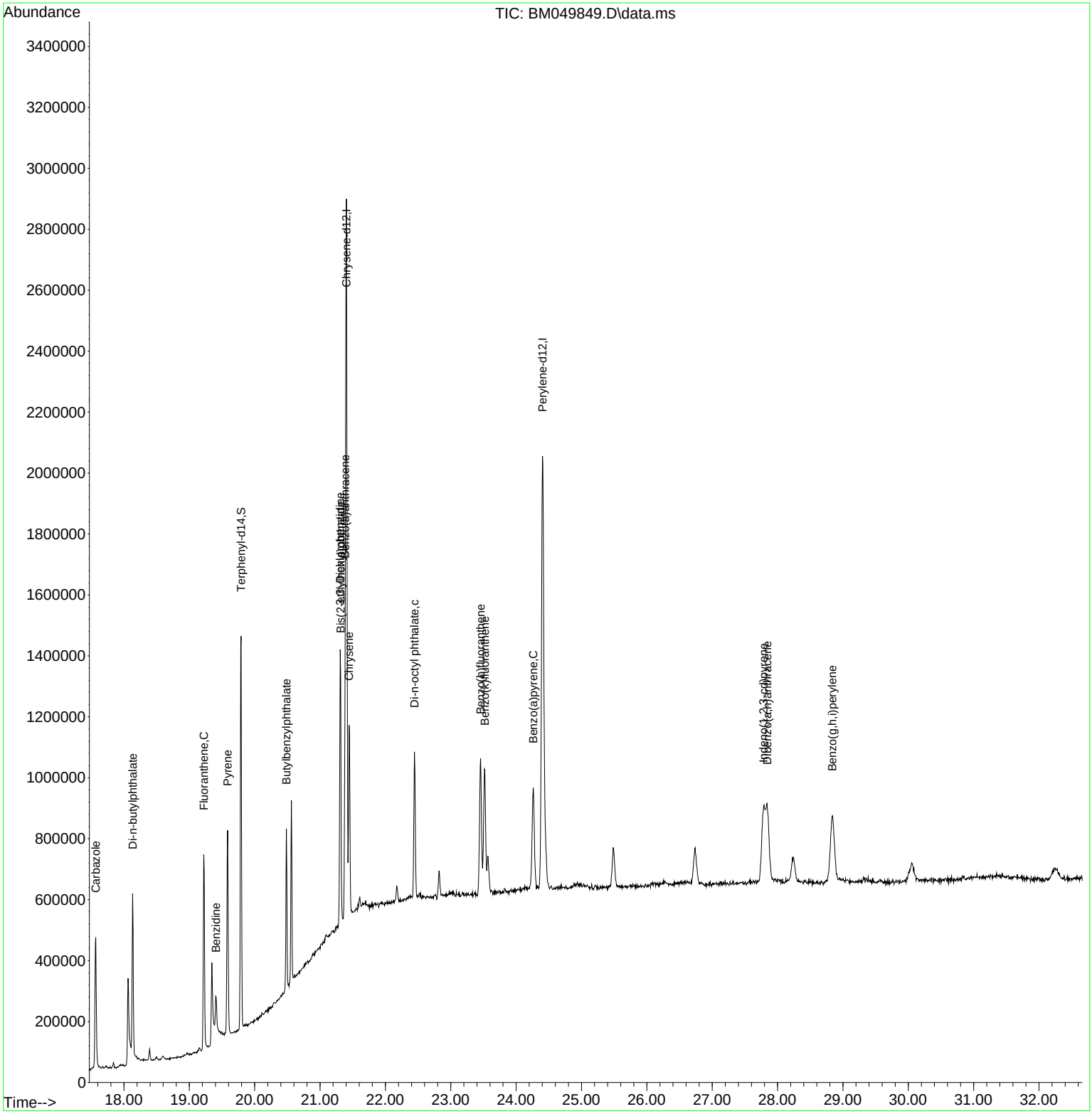
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

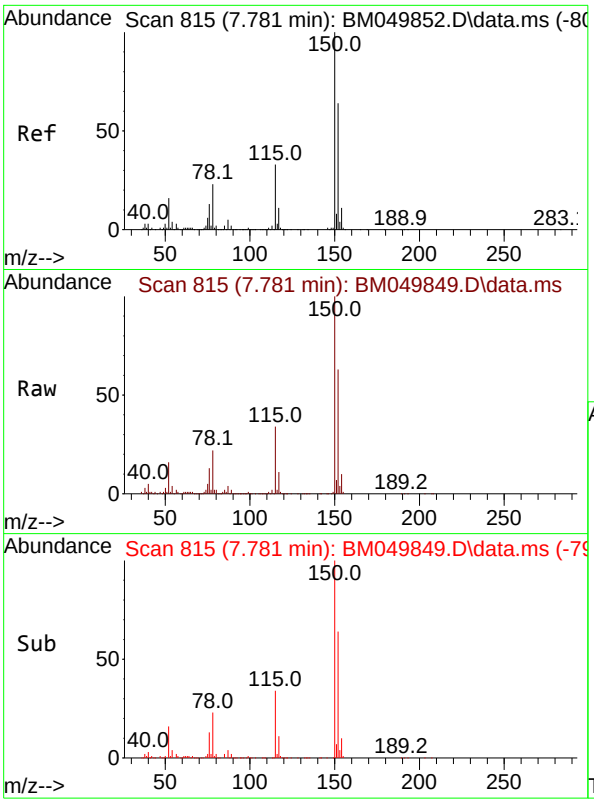
Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

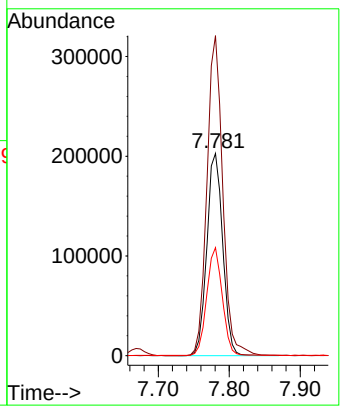




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:152 Resp: 31549

Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.3	186.5
115	53.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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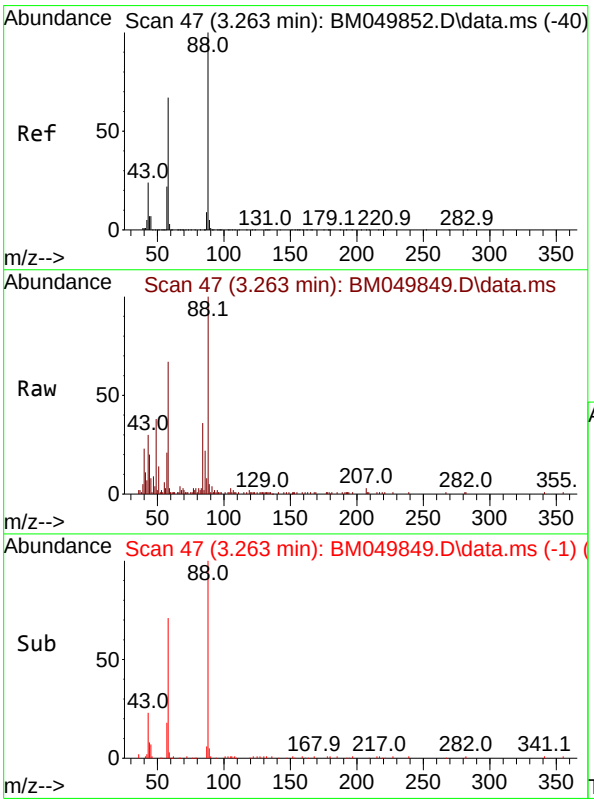
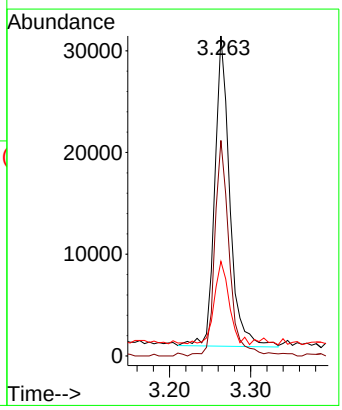
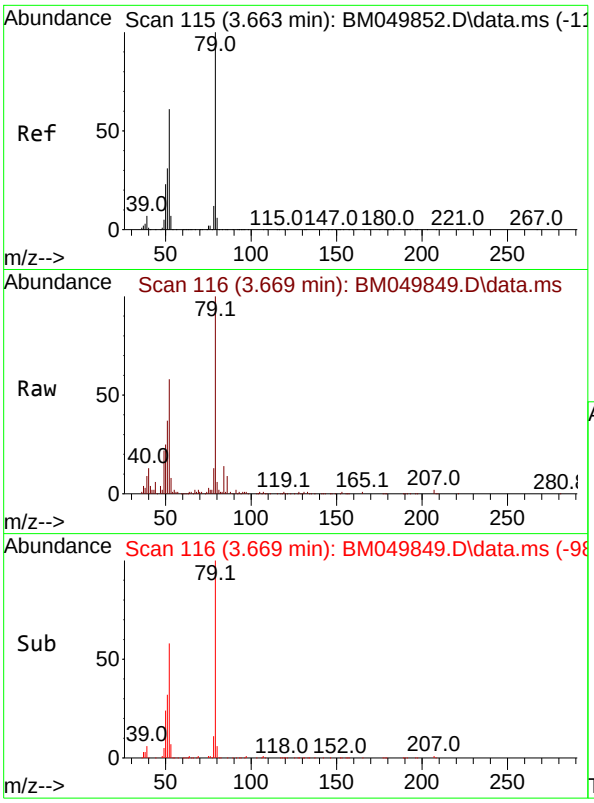


#2
1,4-Dioxane
Concen: 5.123 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 88 Resp: 39196

Ion	Ratio	Lower	Upper
88	100		
58	67.0	54.1	81.1
43	26.8	20.2	30.4

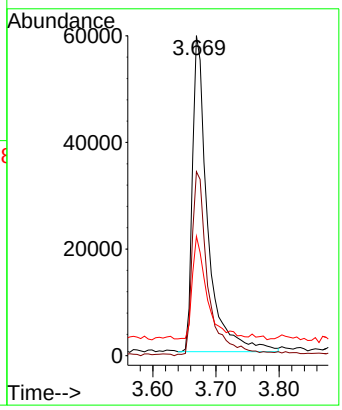




#3
Pyridine
Concen: 4.953 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 79 Resp: 9953

Ion	Ratio	Lower	Upper
79	100		
52	57.5	48.9	73.3
51	37.3	25.0	37.6



Instrument :
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ClientSampleId :
SSTDICC005

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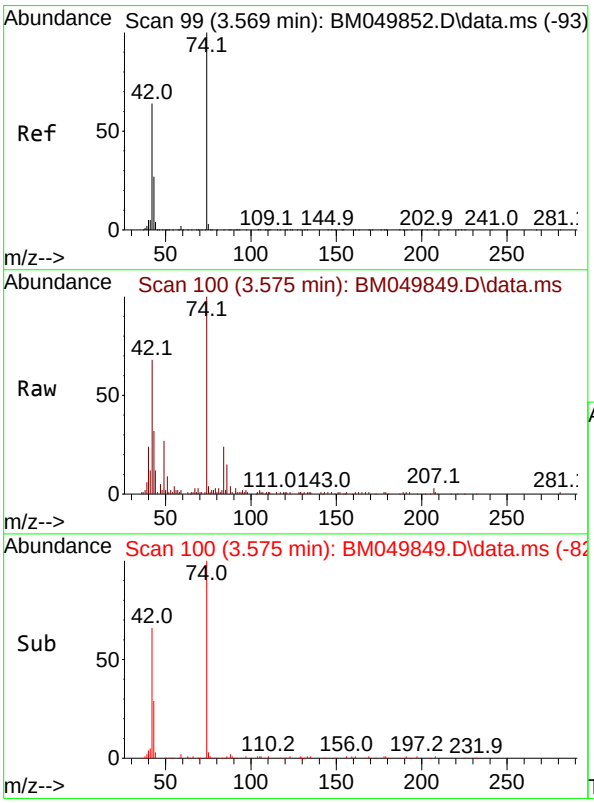
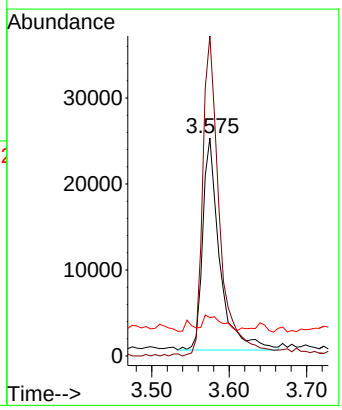
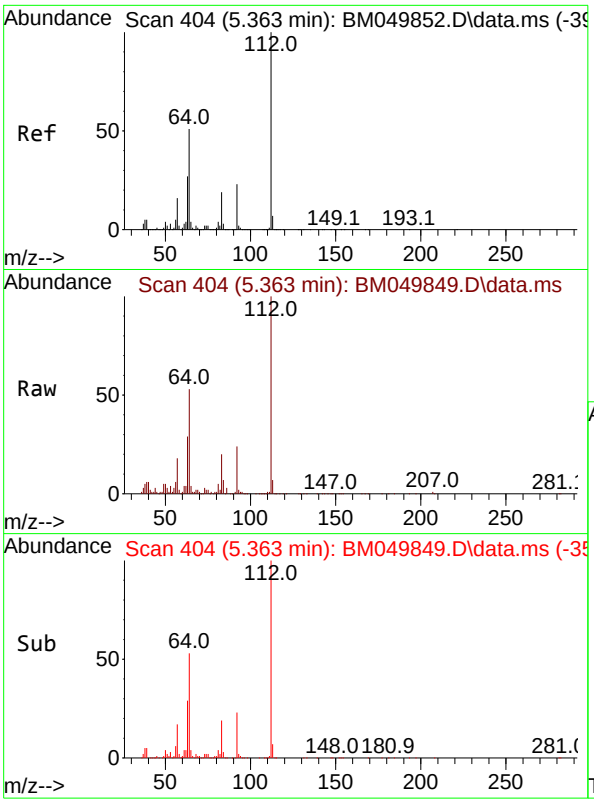


#4
n-Nitrosodimethylamine
Concen: 4.926 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 42 Resp: 37684

Ion	Ratio	Lower	Upper
42	100		
74	146.9	125.4	188.2
44	17.6	5.9	8.9#

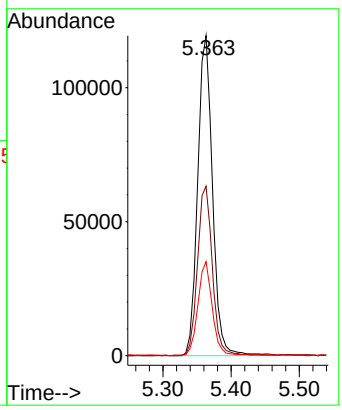




#5
2-Fluorophenol
Concen: 9.723 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:112 Resp: 18065

Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.0	61.6
63	29.4	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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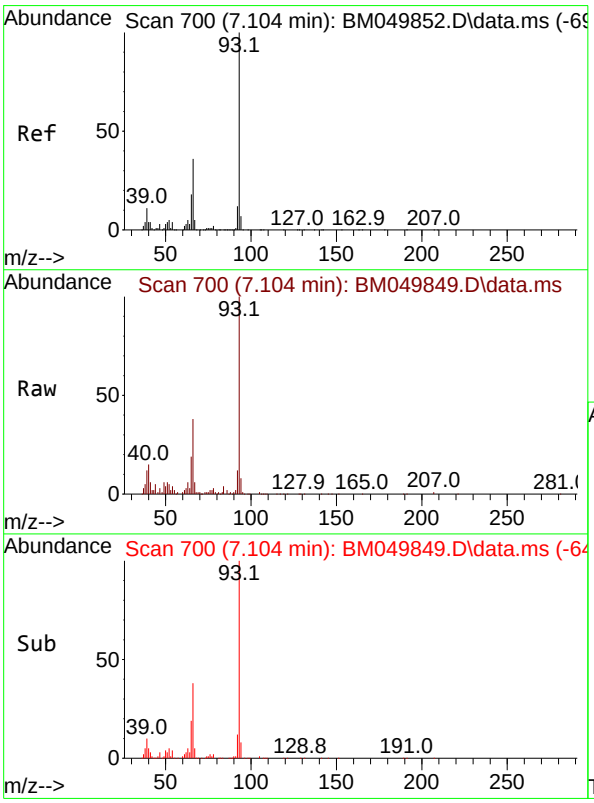
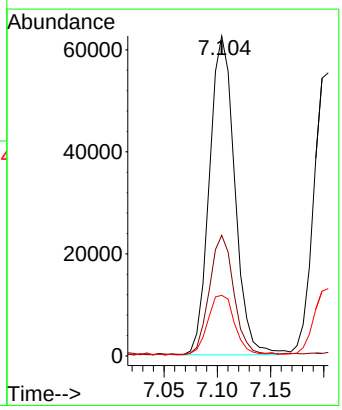
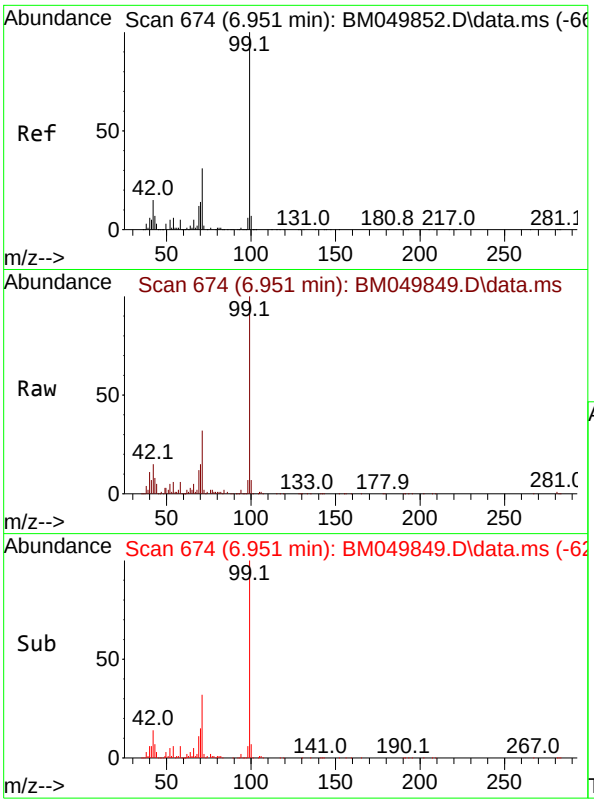


#6
Aniline
Concen: 5.193 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 102863

Ion	Ratio	Lower	Upper
93	100		
66	37.7	29.1	43.7
65	19.0	14.9	22.3

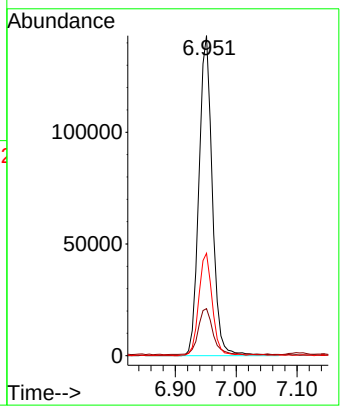




#7
Phenol-d6
Concen: 9.493 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 99 Resp: 21944

Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.1	18.1
71	32.0	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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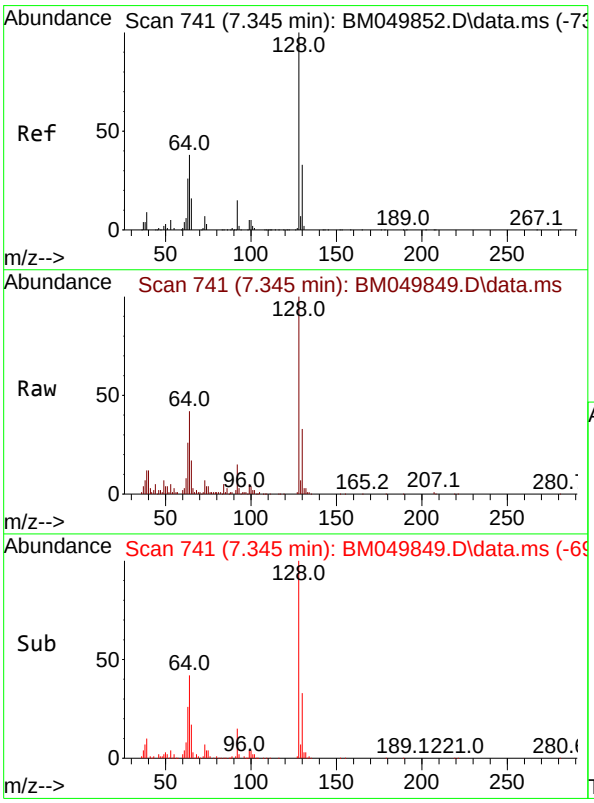
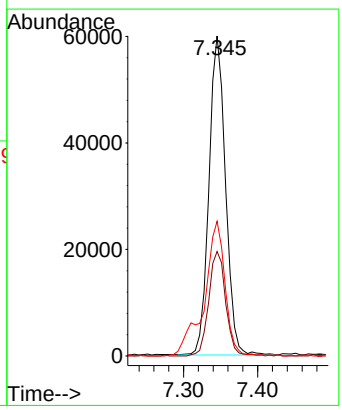
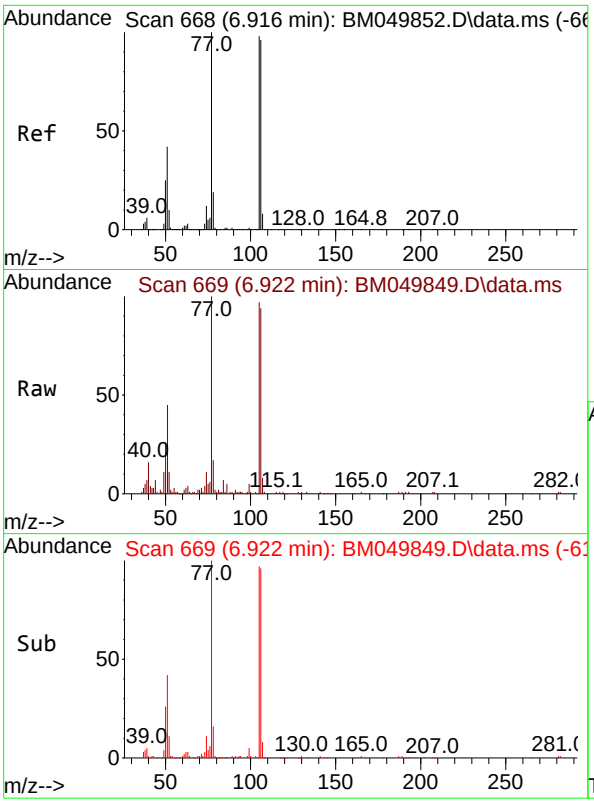


#8
2-Chlorophenol
Concen: 4.887 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:128 Resp: 93043

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	42.1	21.1	61.1

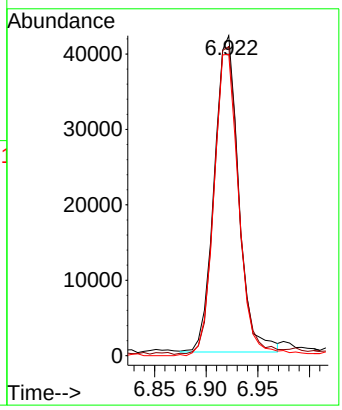




#9
Benzaldehyde
Concen: 5.813 ng m
RT: 6.922 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 6889(

Ion	Ratio	Lower	Upper
77	100		
105	96.6	78.3	118.3
106	94.2	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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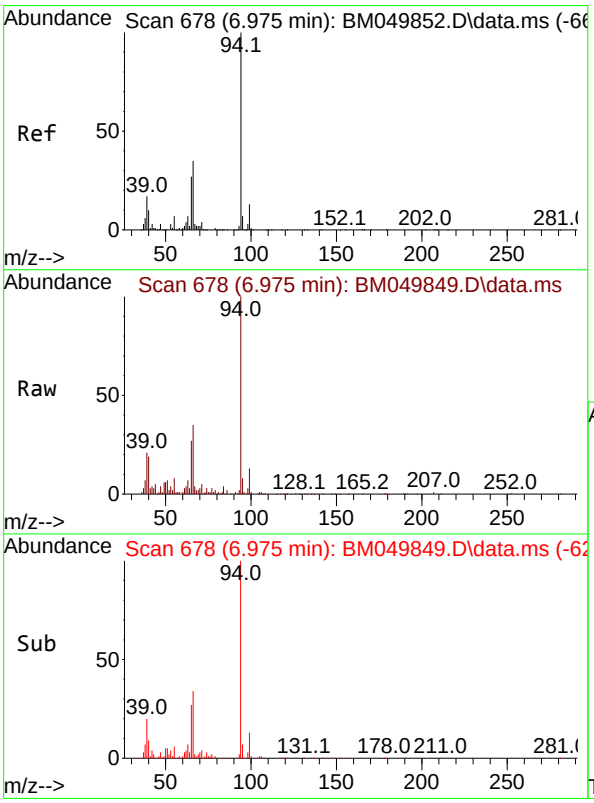
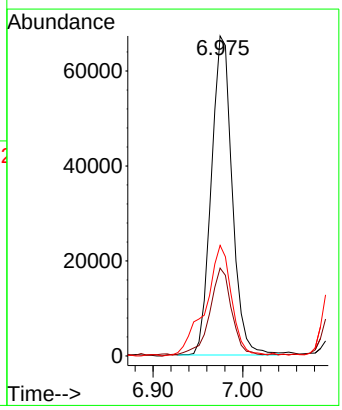
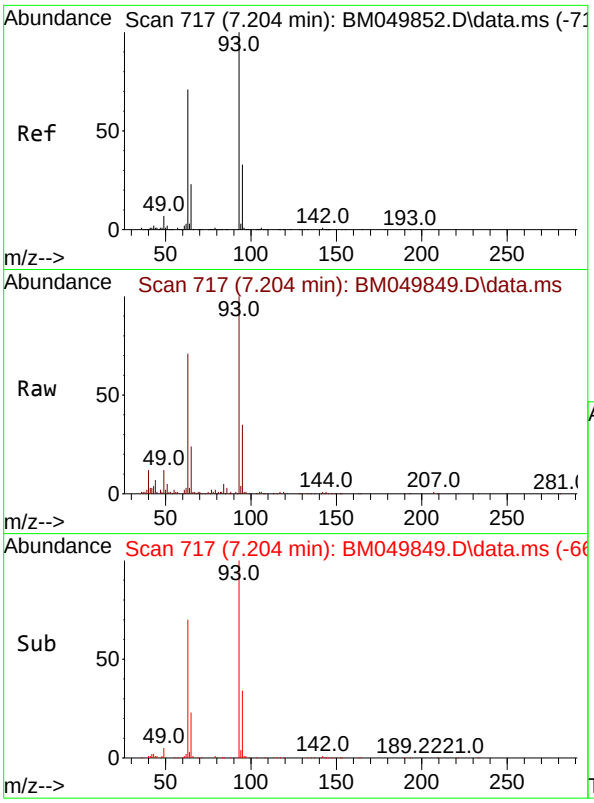


#10
Phenol
Concen: 4.811 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 94 Resp: 108517

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	34.6	14.8	54.8

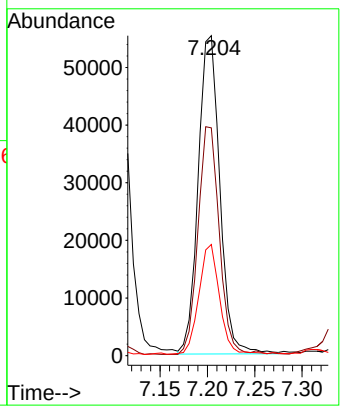




#11
bis(2-Chloroethyl)ether
Concen: 4.964 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 8781

Ion	Ratio	Lower	Upper
93	100		
63	71.2	50.9	90.9
95	34.8	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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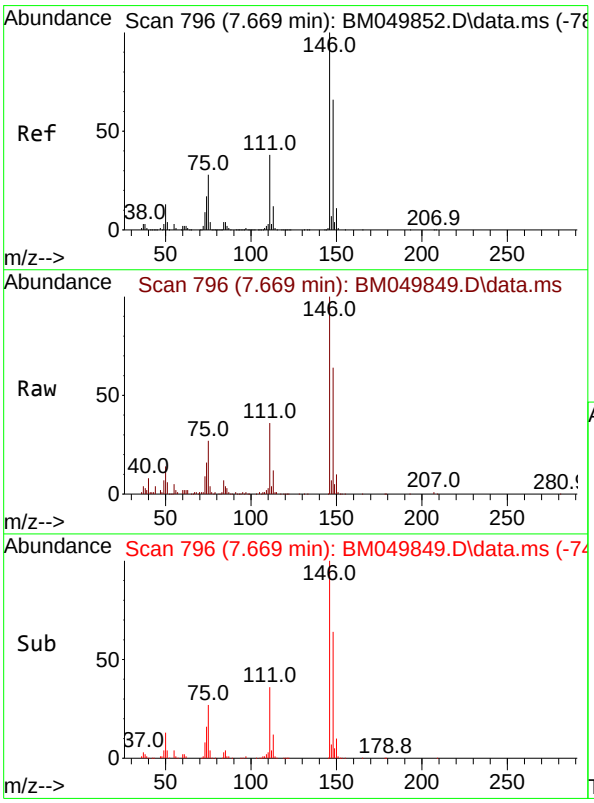
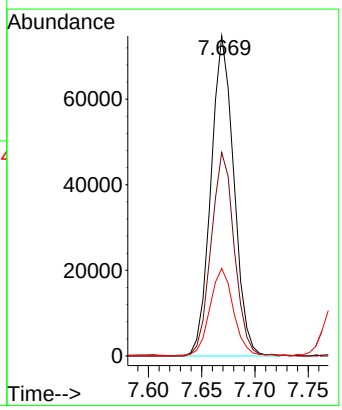
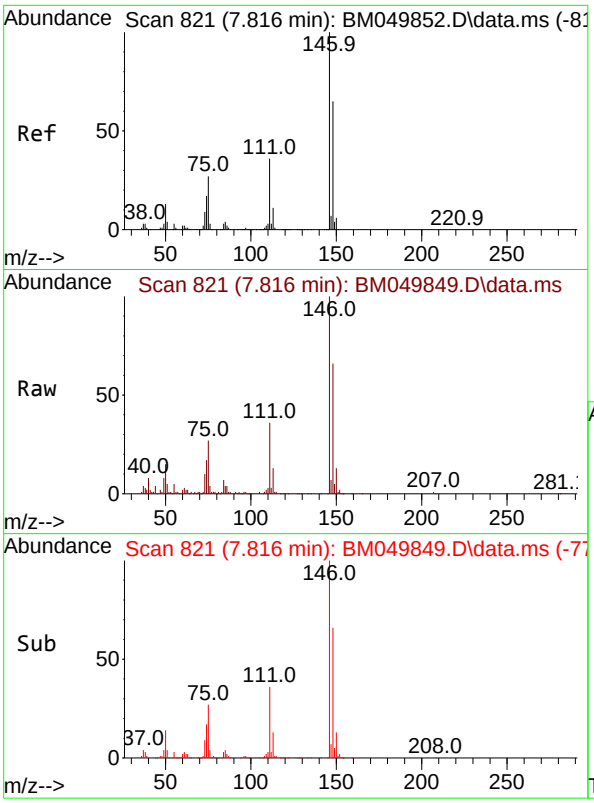


#12
1,3-Dichlorobenzene
Concen: 4.965 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 111770

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.5	78.7
75	27.4	22.5	33.7





#13
1,4-Dichlorobenzene
Concen: 4.937 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 11183

Ion	Ratio	Lower	Upper
146	100		
148	66.1	52.4	78.6
111	35.7	28.5	42.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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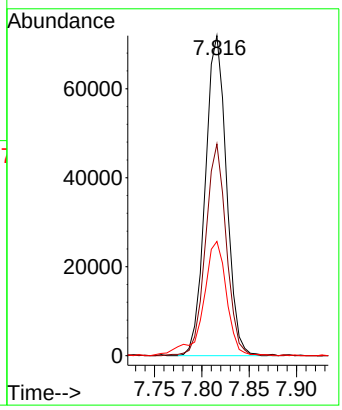
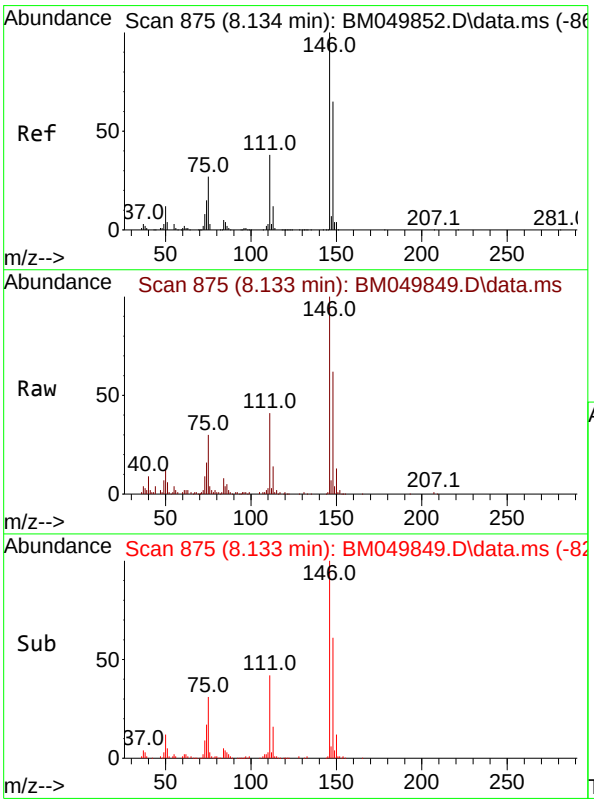
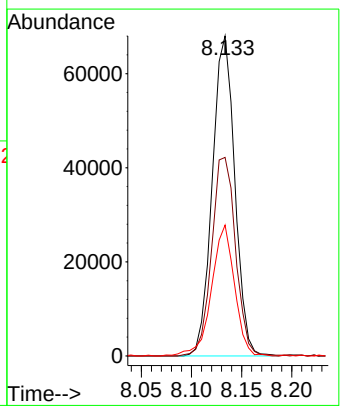


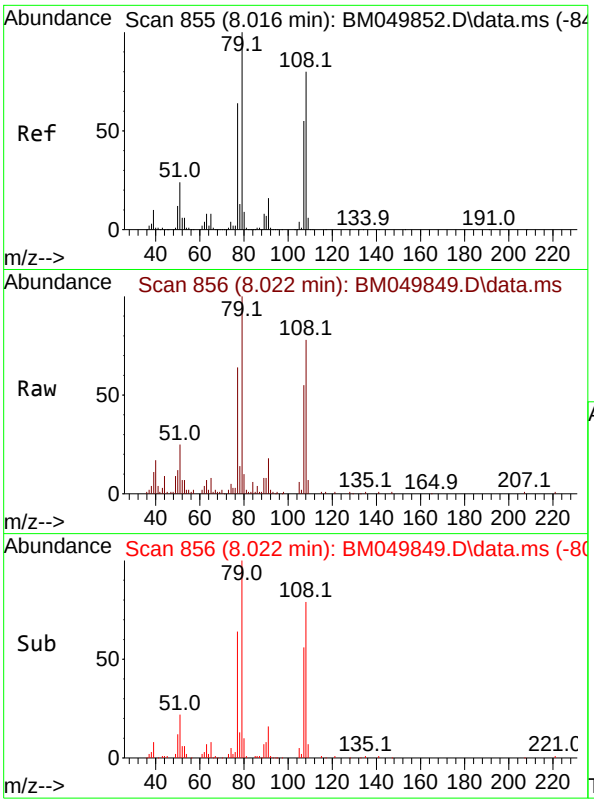


#14
1,2-Dichlorobenzene
Concen: 4.983 ng
RT: 8.133 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 106307

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.8	77.8
111	40.9	30.2	45.4





#15
Benzyl Alcohol
Concen: 4.616 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 79 Resp: 6719

Ion	Ratio	Lower	Upper
79	100		
108	77.8	63.6	95.4
77	64.1	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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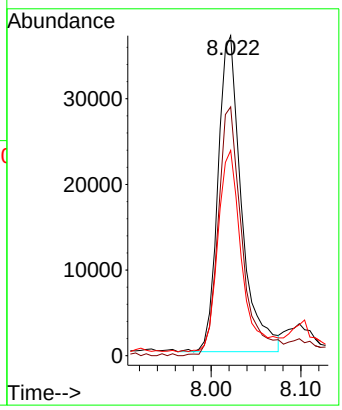
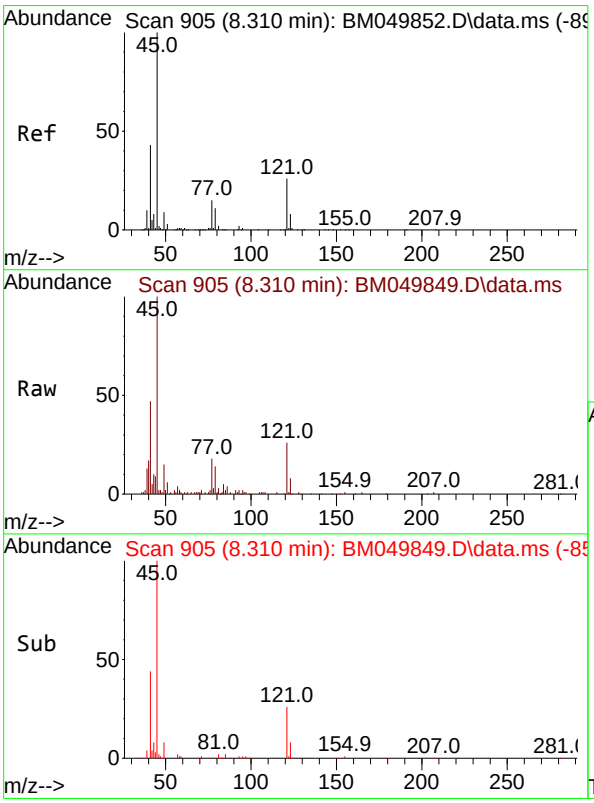
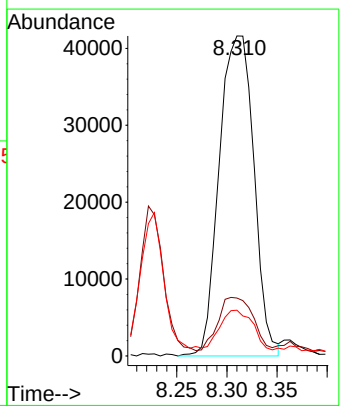


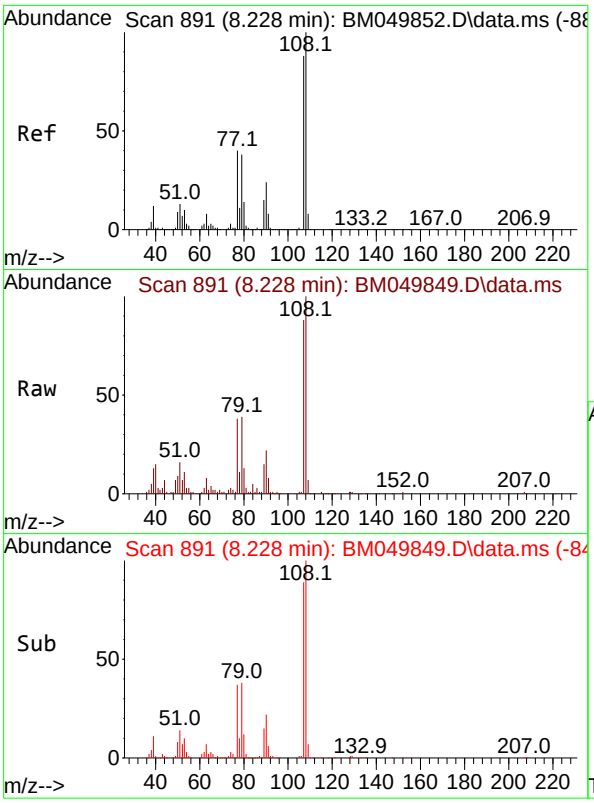


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.073 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 45 Resp: 100016

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	36.9
79	14.3	0.0	32.9

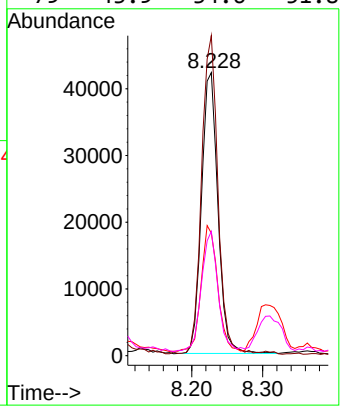




#17
2-Methylphenol
Concen: 4.867 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 6766

Ion	Ratio	Lower	Upper
107	100		
108	113.0	91.0	136.6
77	43.3	36.5	54.7
79	43.9	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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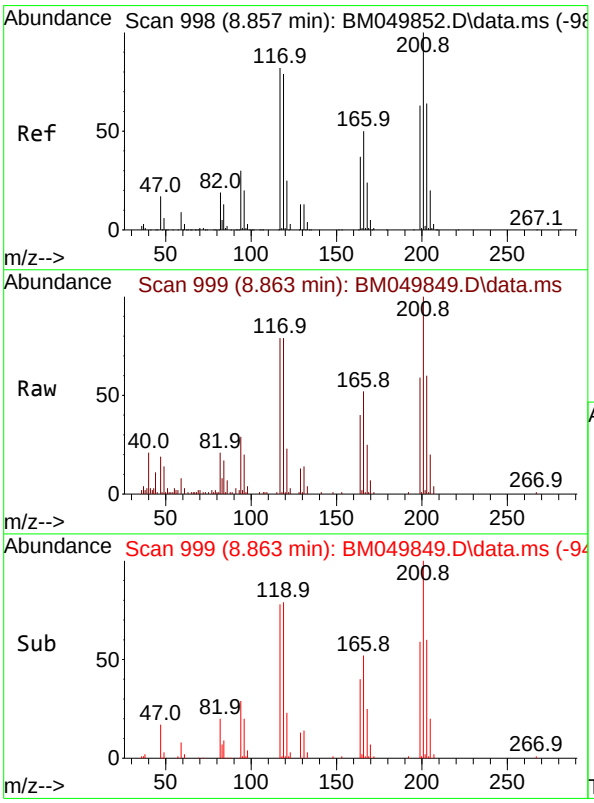
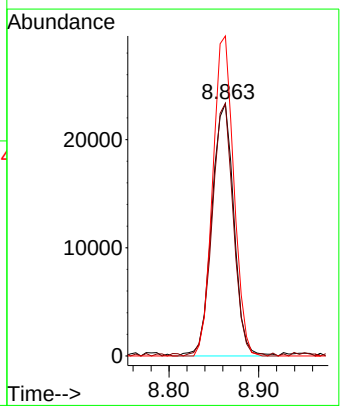
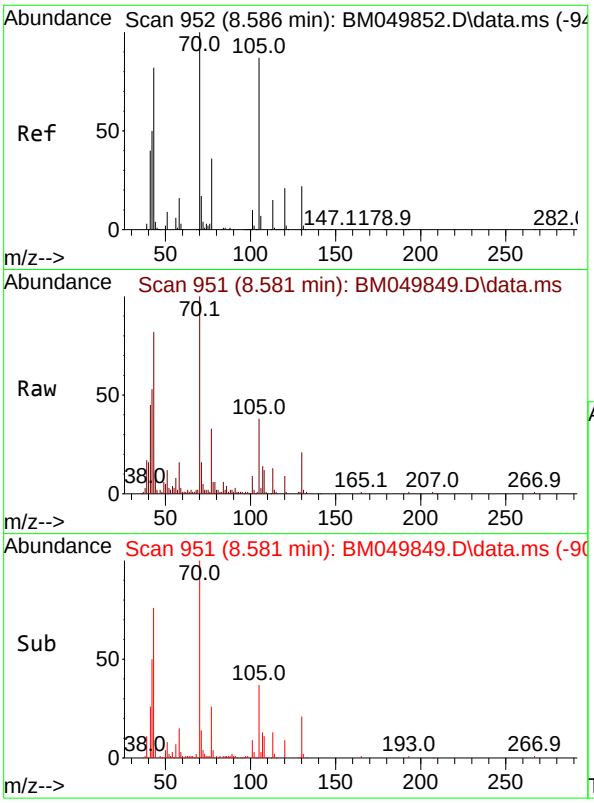


#18
Hexachloroethane
Concen: 5.051 ng
RT: 8.863 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:117 Resp: 39805

Ion	Ratio	Lower	Upper
117	100		
119	100.2	77.5	116.3
201	126.9	97.7	146.5

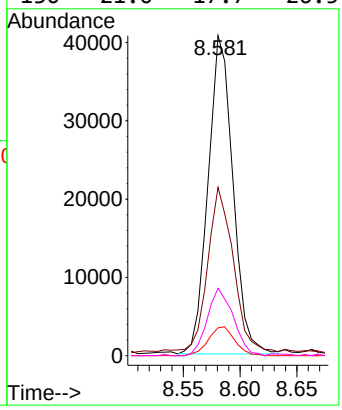




#19
n-Nitroso-di-n-propylamine
Concen: 4.840 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 70 Resp: 6196

Ion	Ratio	Lower	Upper
70	100		
42	52.6	40.2	60.2
101	8.7	7.9	11.9
130	21.0	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
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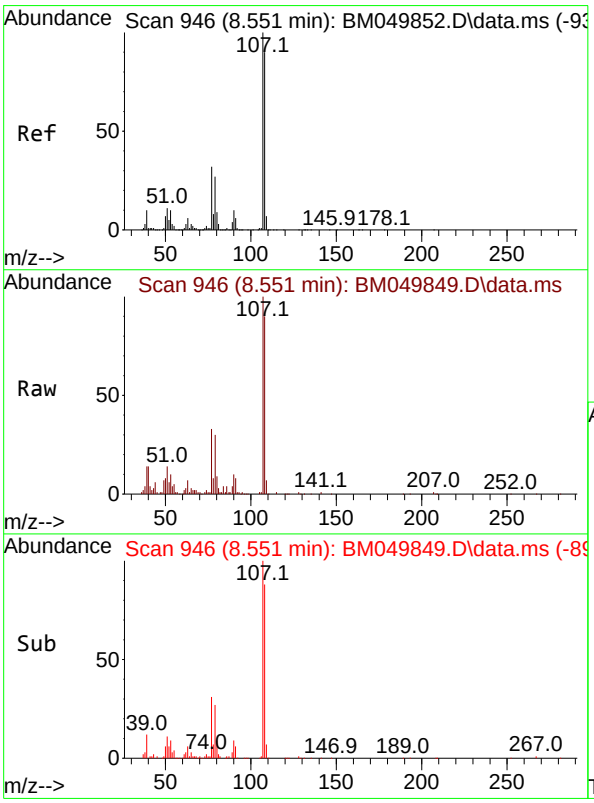
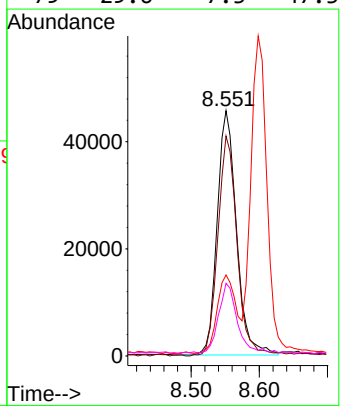
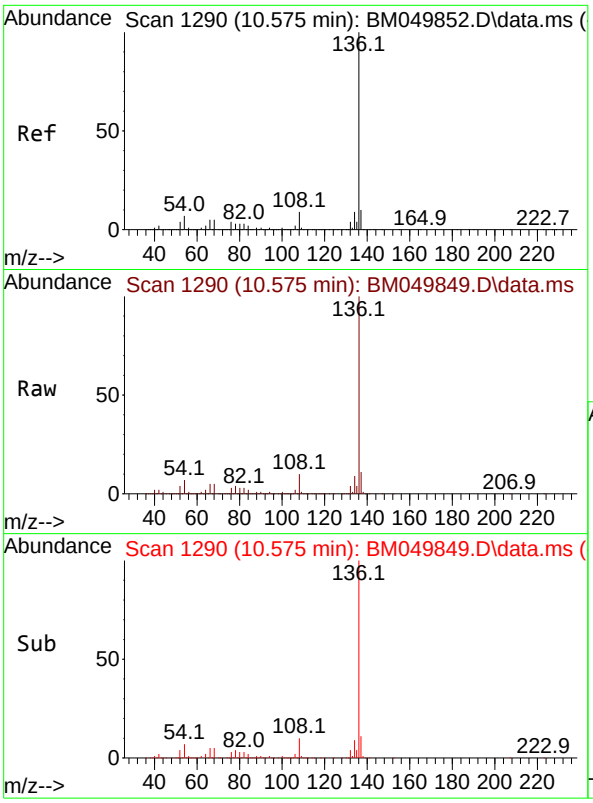


#20
3+4-Methylphenols
Concen: 4.744 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 89903

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	33.0	11.7	51.7
79	29.6	7.3	47.3

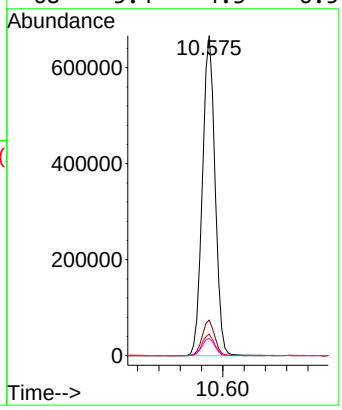




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:136 Resp: 109599

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.7	5.3	7.9
68	5.4	4.3	6.5



Instrument :
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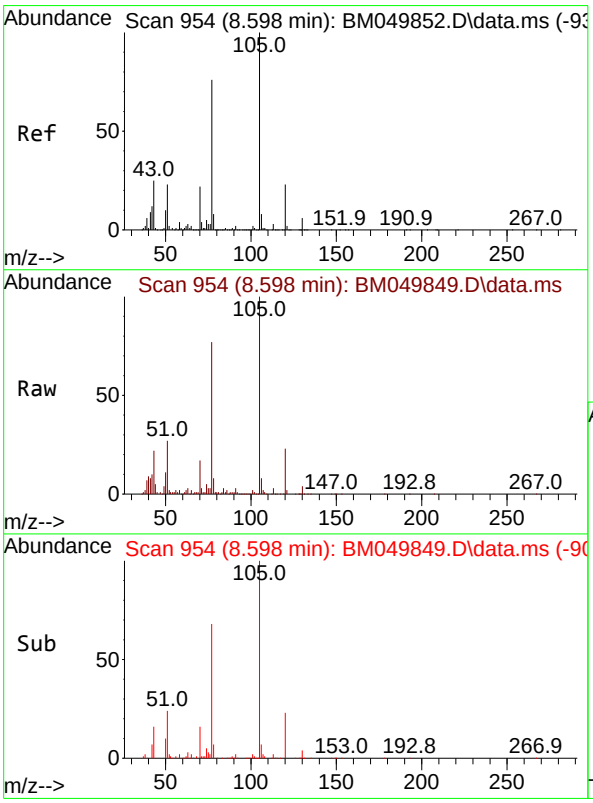
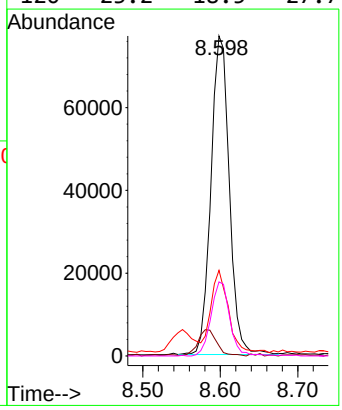
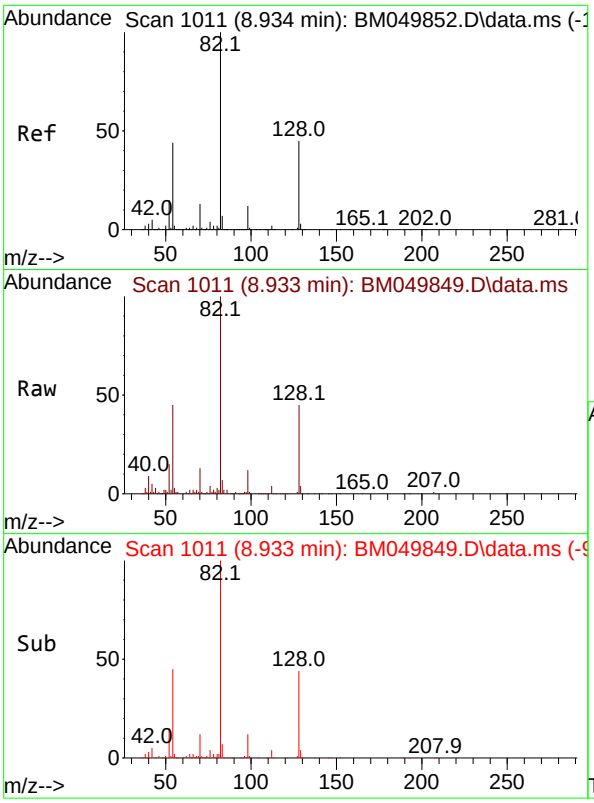


#22
Acetophenone
Concen: 4.760 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:105 Resp: 126780

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.0	4.4
51	26.7	18.6	27.8
120	23.2	18.5	27.7

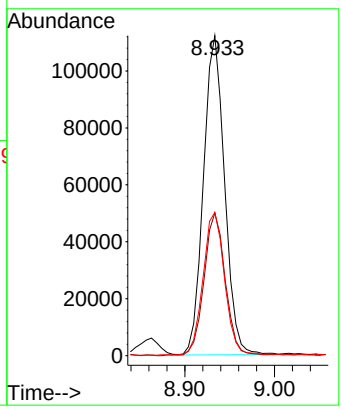




#23
Nitrobenzene-d5
Concen: 9.324 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 82 Resp: 18350

Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.2	54.2
54	44.8	35.0	52.6



Instrument :
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ClientSampleId :
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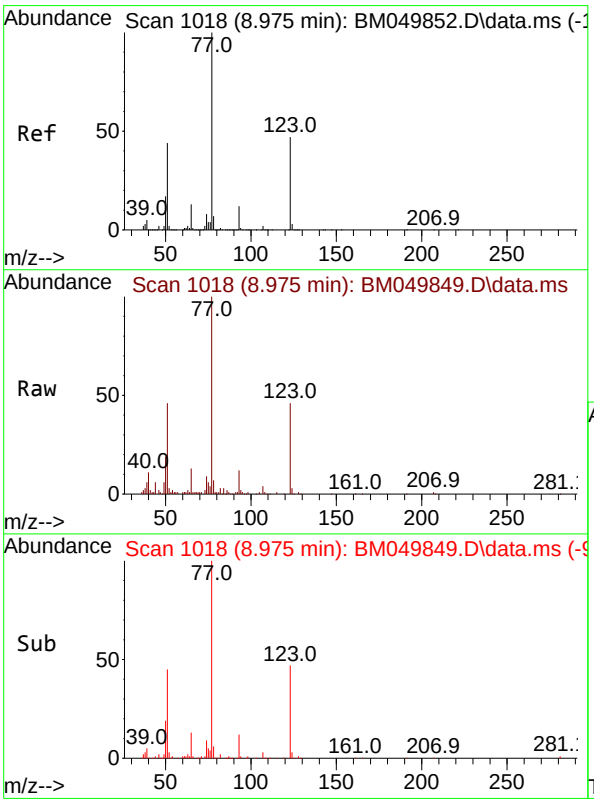
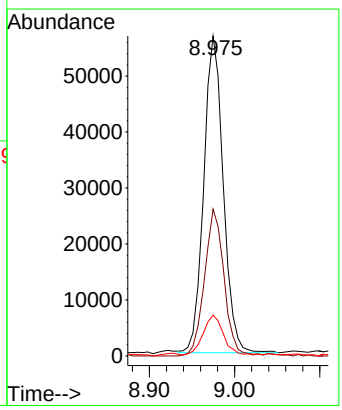
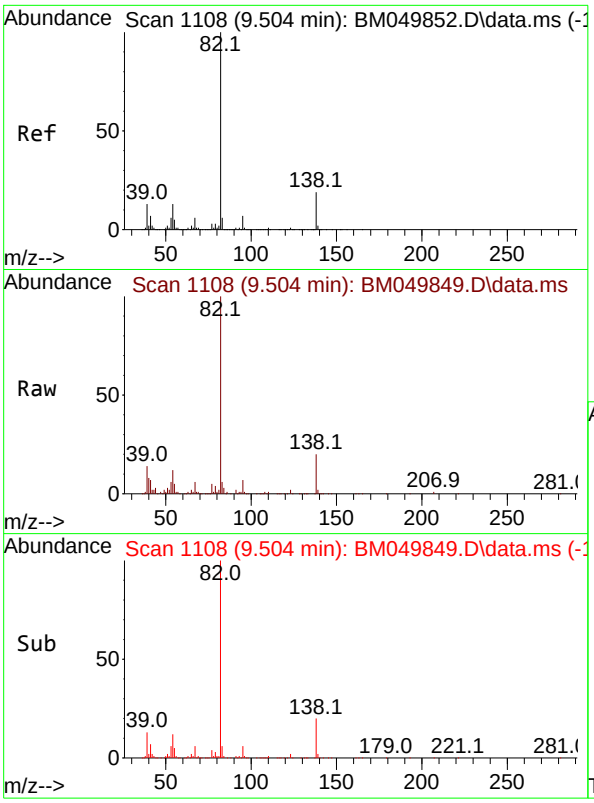


#24
Nitrobenzene
Concen: 4.754 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 90100

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.4	56.2
65	12.7	10.1	15.1

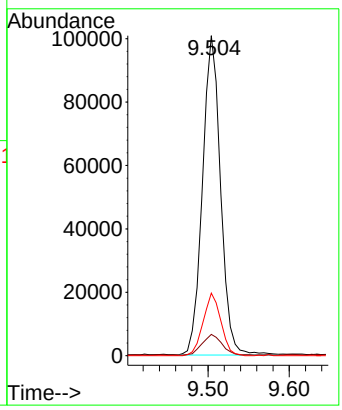




#25
Isophorone
Concen: 4.732 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 82 Resp: 15601

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	19.5	15.0	22.6



Instrument :
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ClientSampleId :
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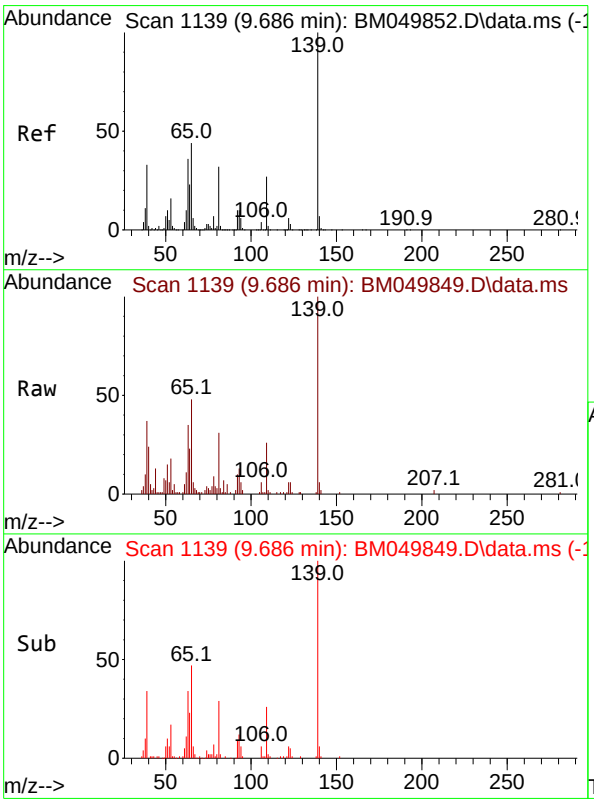
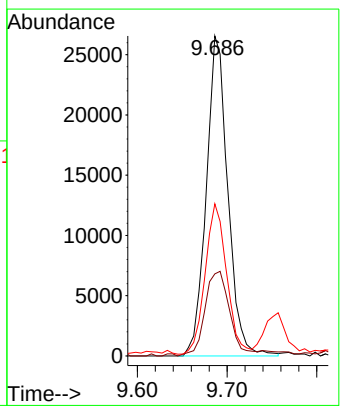
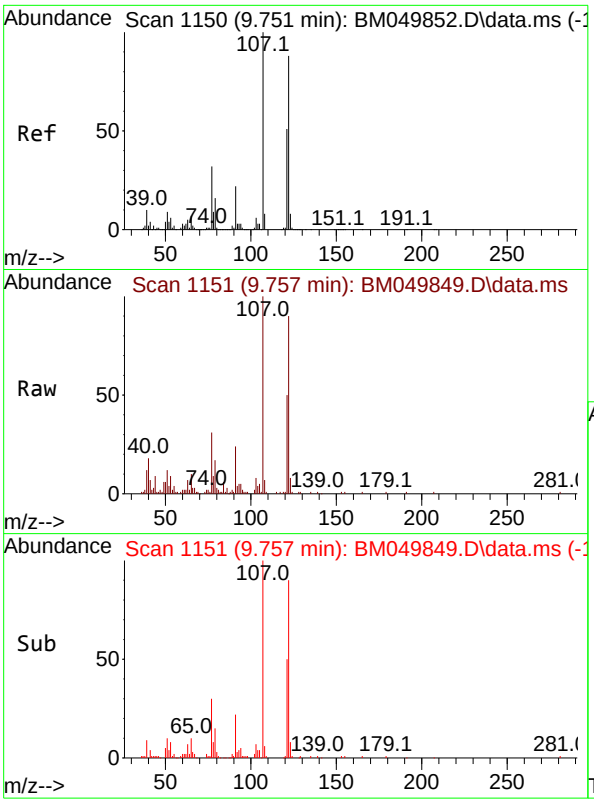


#26
2-Nitrophenol
Concen: 4.417 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:139 Resp: 44371

Ion	Ratio	Lower	Upper
139	100		
109	25.7	21.7	32.5
65	47.6	35.2	52.8

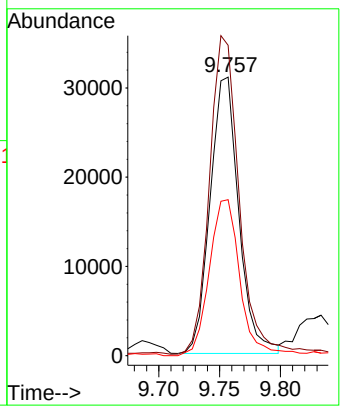




#27
2,4-Dimethylphenol
Concen: 4.457 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:122 Resp: 5073

Ion	Ratio	Lower	Upper
122	100		
107	111.4	90.3	135.5
121	56.0	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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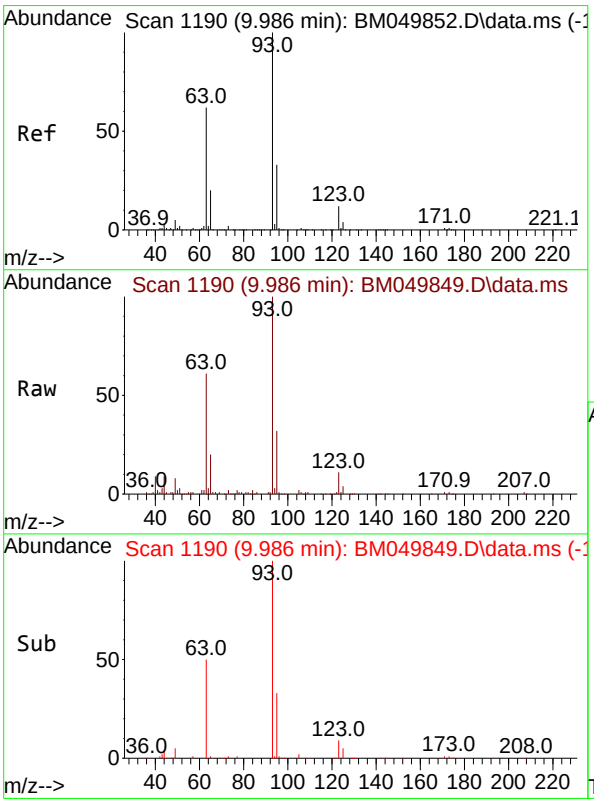
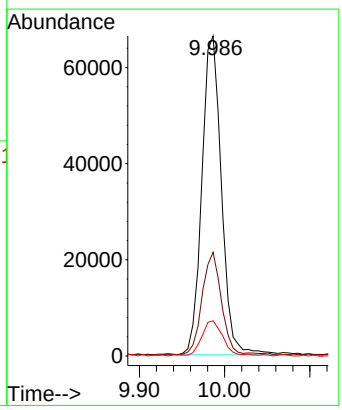
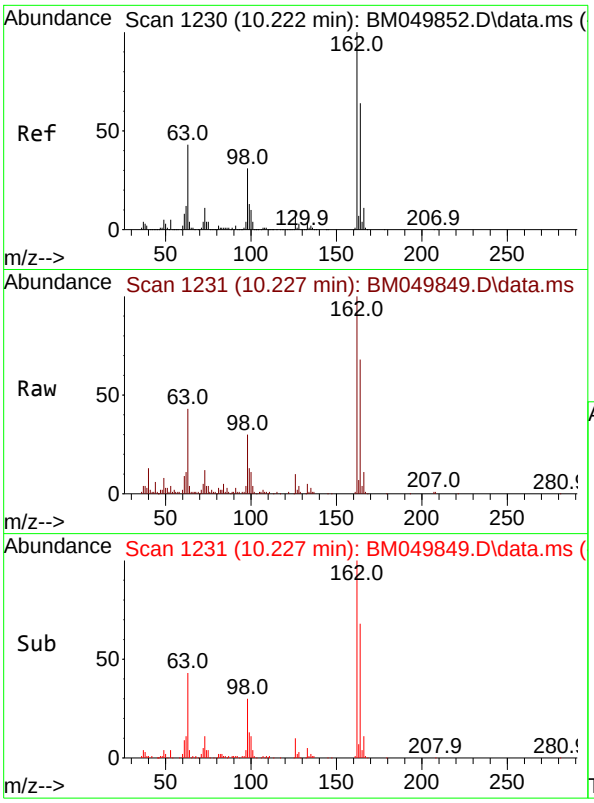


#28
bis(2-Chloroethoxy)methane
Concen: 4.795 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 105841

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.0	9.5	14.3

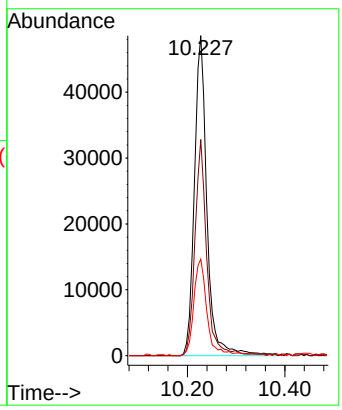




#29
2,4-Dichlorophenol
Concen: 4.621 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:162 Resp: 8744

Ion	Ratio	Lower	Upper
162	100		
164	67.5	44.3	84.3
98	30.2	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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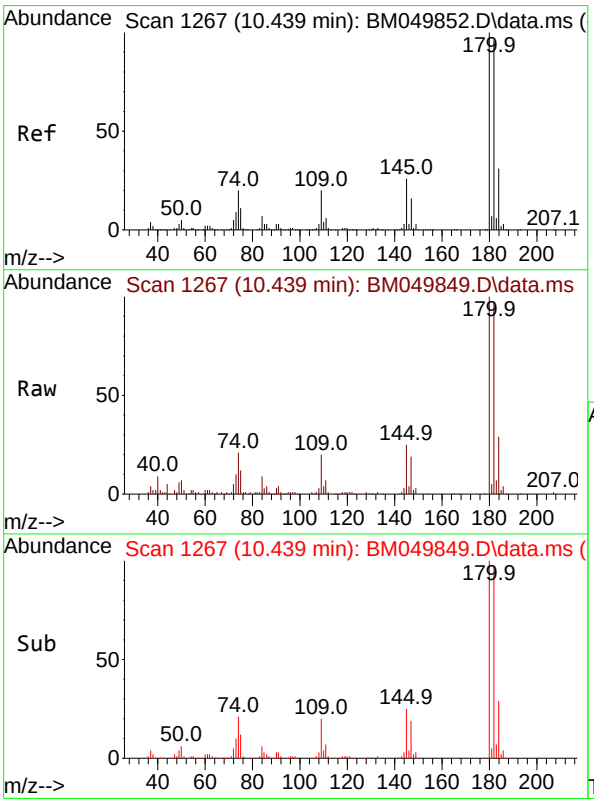
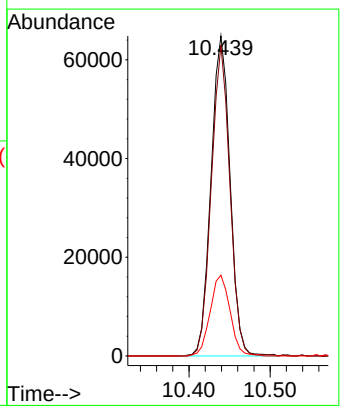
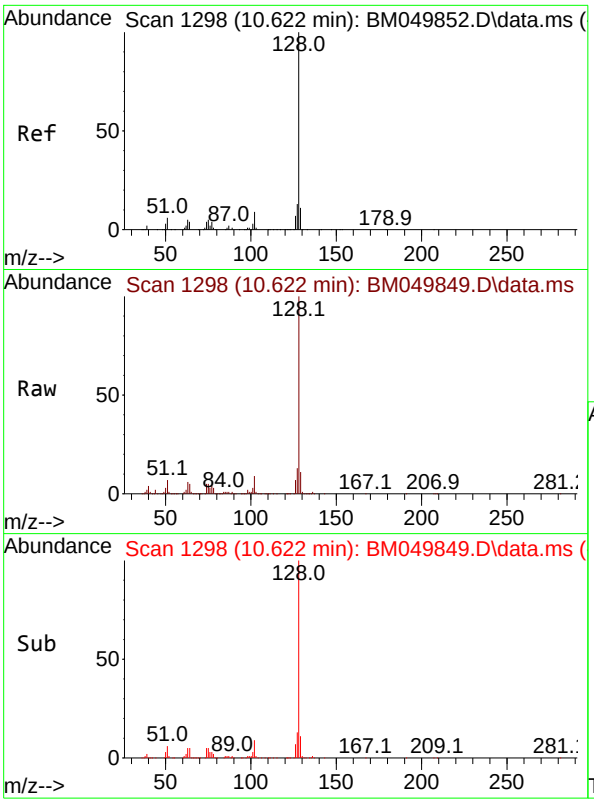


#30
1,2,4-Trichlorobenzene
Concen: 4.830 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:180 Resp: 105742

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	25.3	20.8	31.2

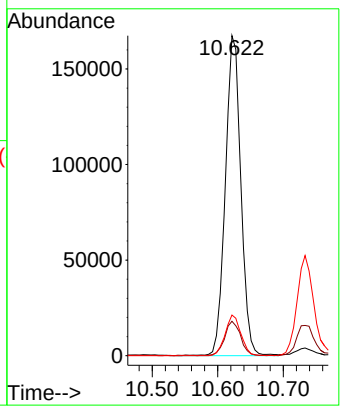




#31
Naphthalene
Concen: 4.883 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:128 Resp: 27496

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.7	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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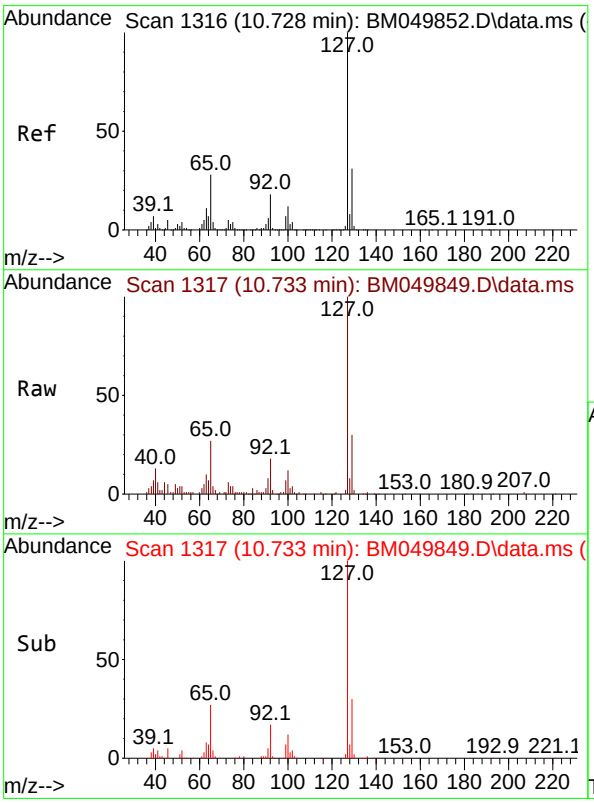
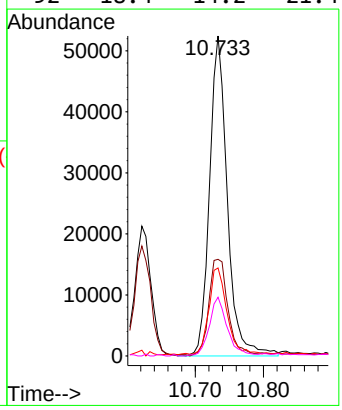
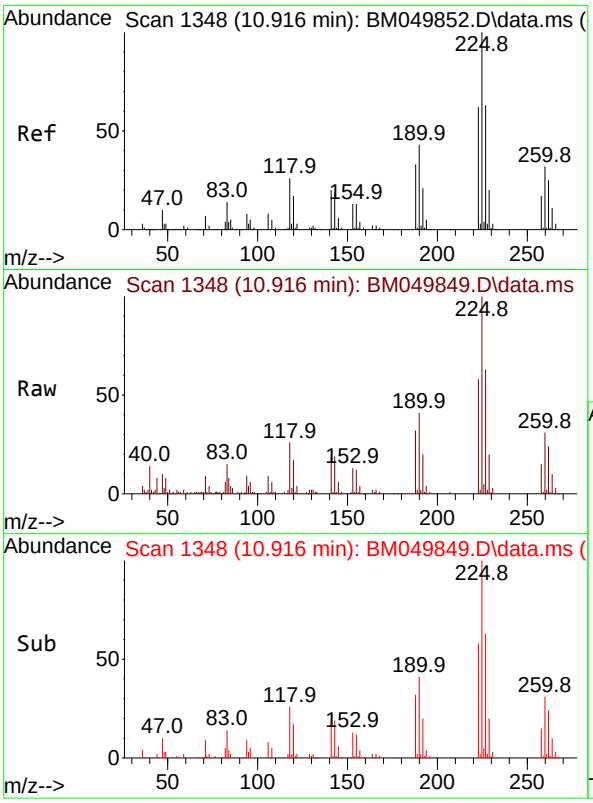


#33
4-Chloroaniline
Concen: 4.793 ng
RT: 10.733 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:127 Resp: 95317

Ion	Ratio	Lower	Upper
127	100		
129	30.2	24.9	37.3
65	27.5	22.4	33.6
92	18.4	14.2	21.4

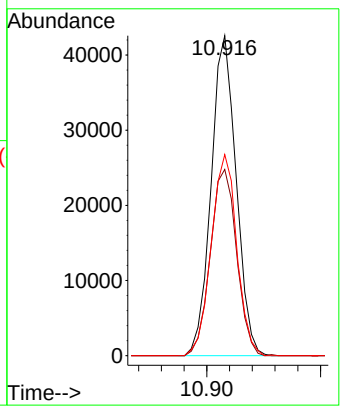




#34
Hexachlorobutadiene
Concen: 4.815 ng
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:225 Resp: 6519

Ion	Ratio	Lower	Upper
225	100		
223	58.2	49.4	74.2
227	62.8	50.1	75.1



Instrument :
BNA_M
ClientSampleId :
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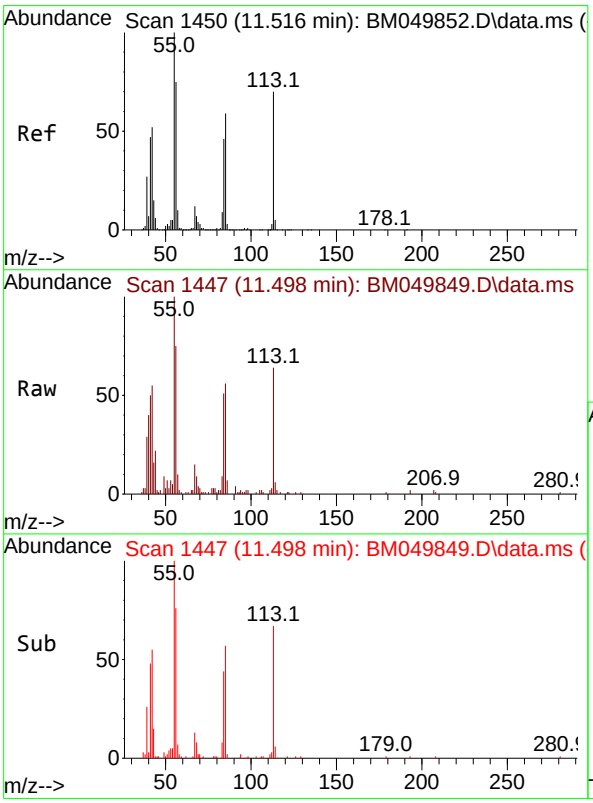
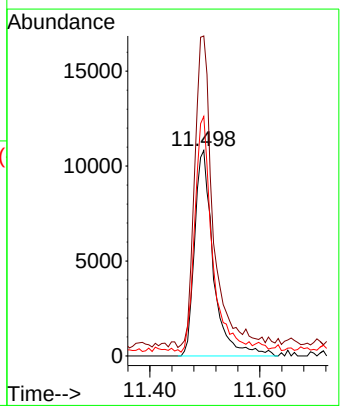
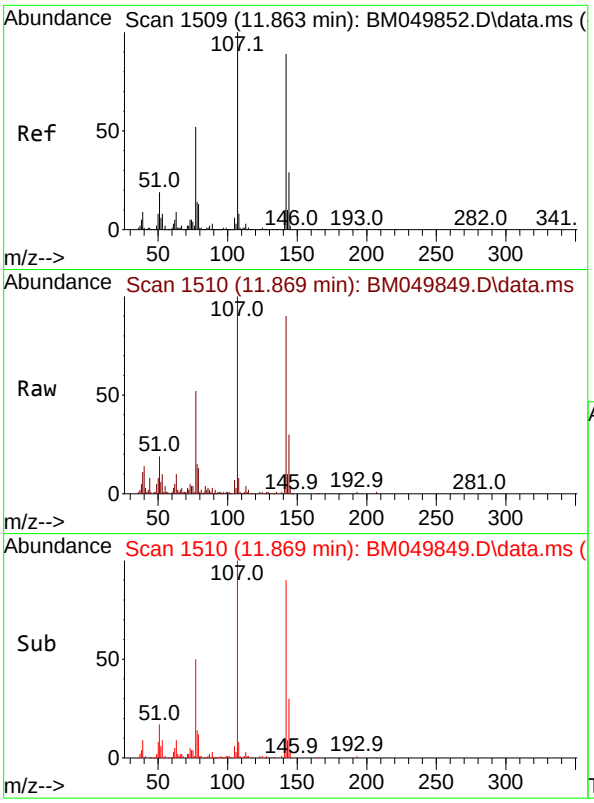


#35
Caprolactam
Concen: 4.718 ng
RT: 11.498 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:113 Resp: 25608

Ion	Ratio	Lower	Upper
113	100		
55	155.8	124.3	164.3
56	116.6	87.5	127.5

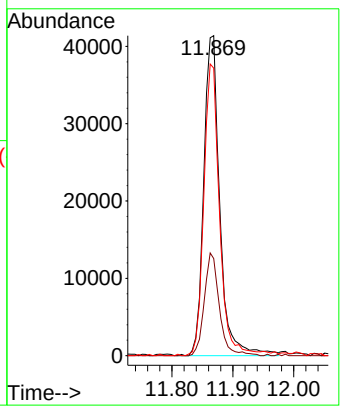




#36
4-Chloro-3-methylphenol
Concen: 4.583 ng
RT: 11.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 7597

Ion	Ratio	Lower	Upper
107	100		
144	30.4	23.6	35.4
142	89.9	71.4	107.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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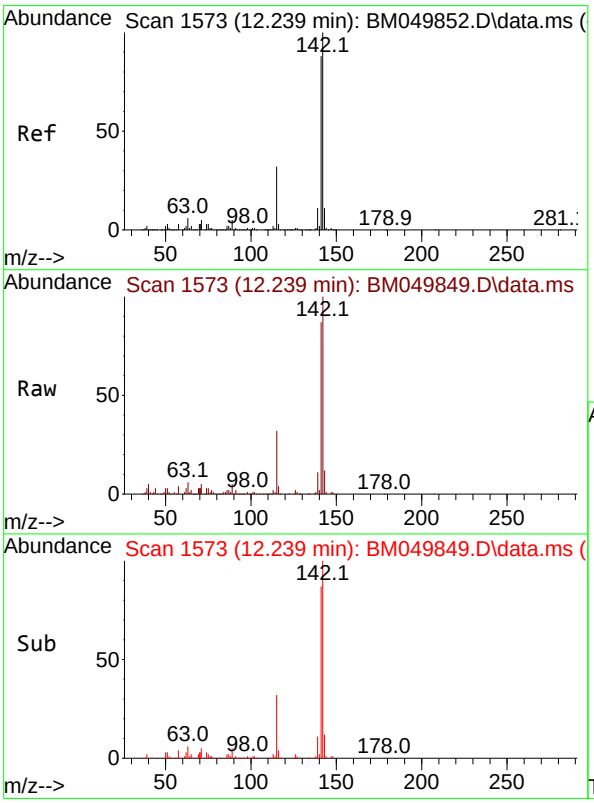
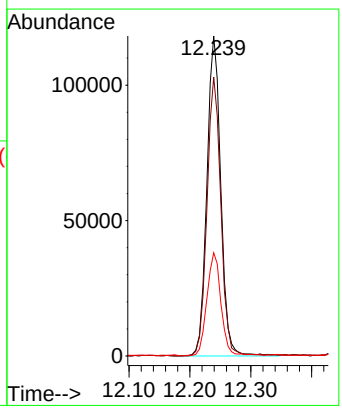
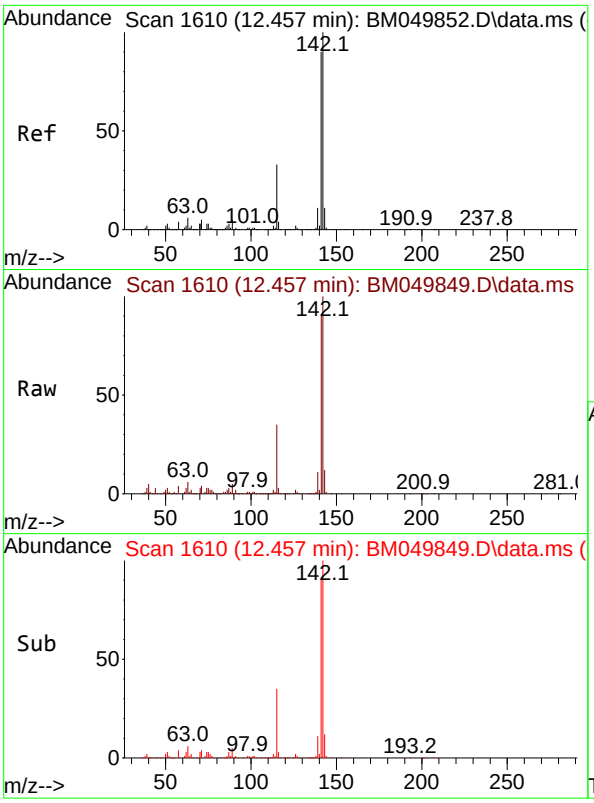


#37
2-Methylnaphthalene
Concen: 4.718 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:142 Resp: 187208

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.2	105.2
115	32.2	25.4	38.2

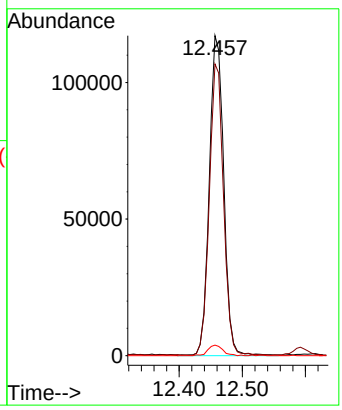




#38
1-Methylnaphthalene
Concen: 4.820 ng
RT: 12.457 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:142 Resp: 18633

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.2	108.2
116	3.3	2.9	4.3



Instrument :
BNA_M
ClientSampleId :
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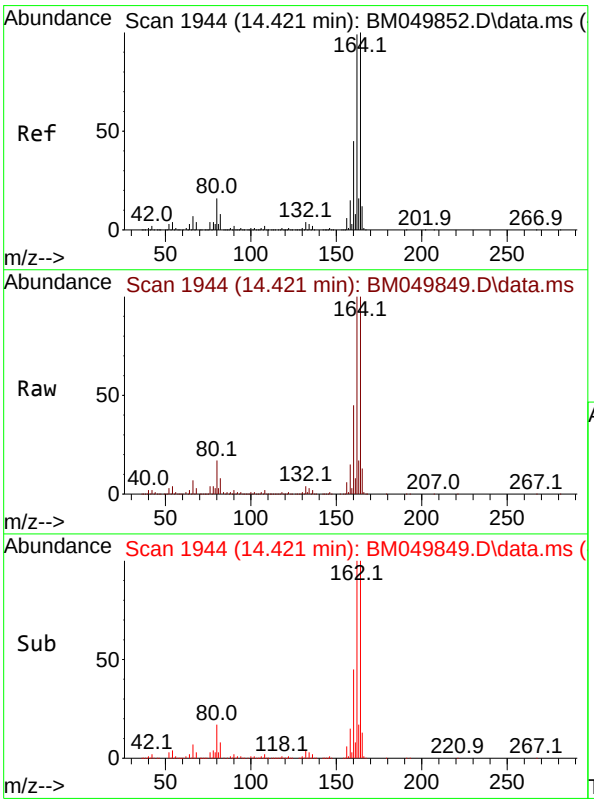
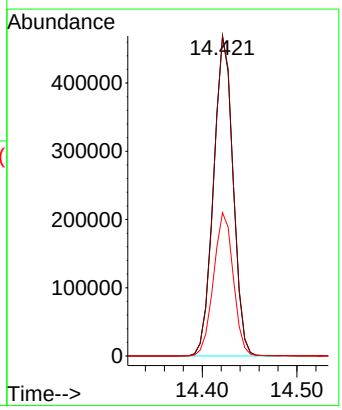
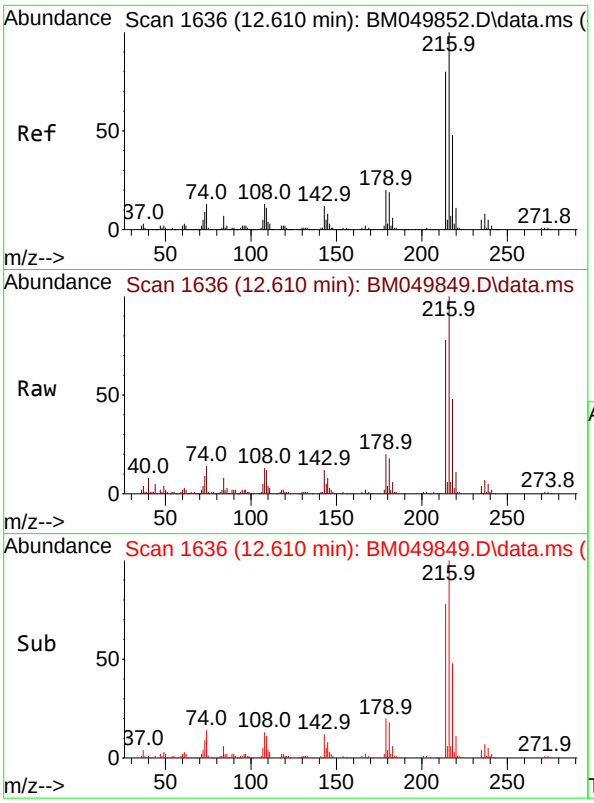


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:164 Resp: 671126

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.0
160	44.8	36.2	54.2

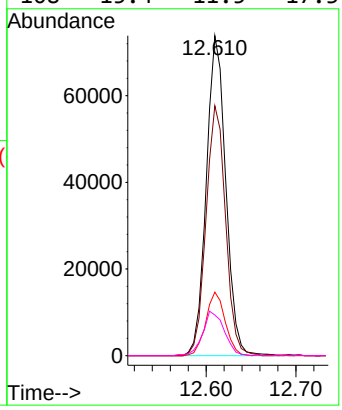




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.745 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:216 Resp: 11141

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	19.8	15.8	23.6
108	15.4	11.5	17.3



Instrument :
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ClientSampleId :
SSTDICC005

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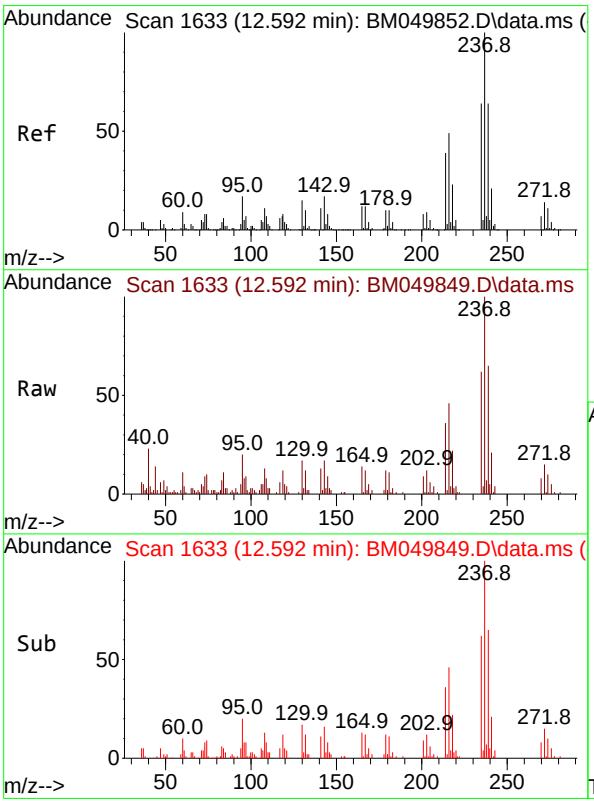
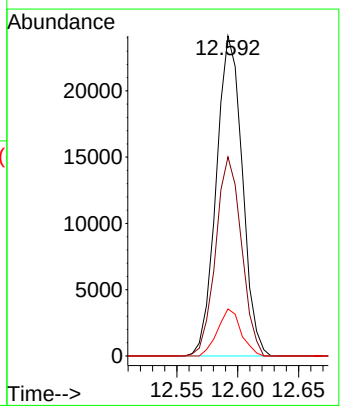
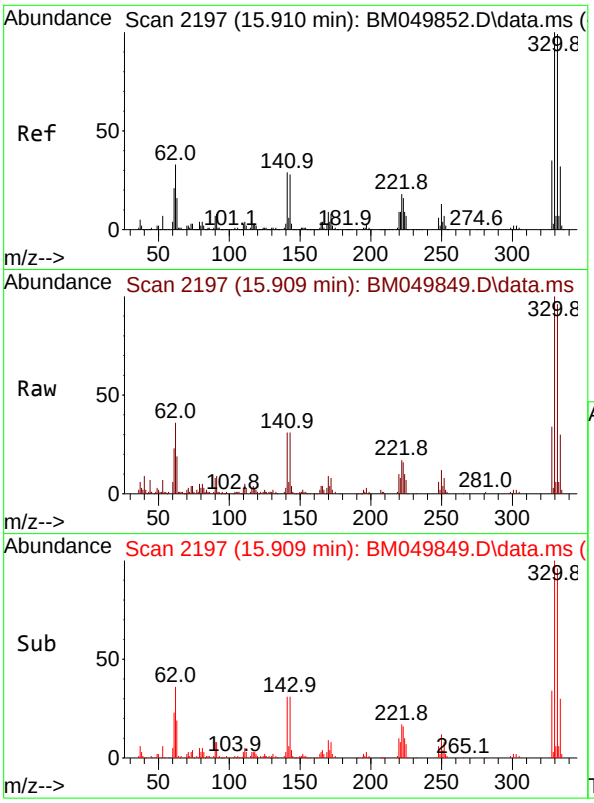


#41
Hexachlorocyclopentadiene
Concen: 4.368 ng
RT: 12.592 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:237 Resp: 35937

Ion	Ratio	Lower	Upper
237	100		
235	62.2	43.7	83.7
272	14.7	0.0	33.5

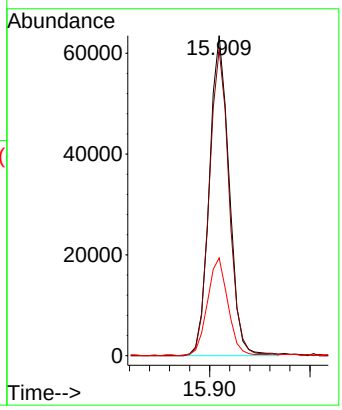




#42
2,4,6-Tribromophenol
Concen: 8.869 ng
RT: 15.909 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:330 Resp: 8657

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	31.9	23.5	35.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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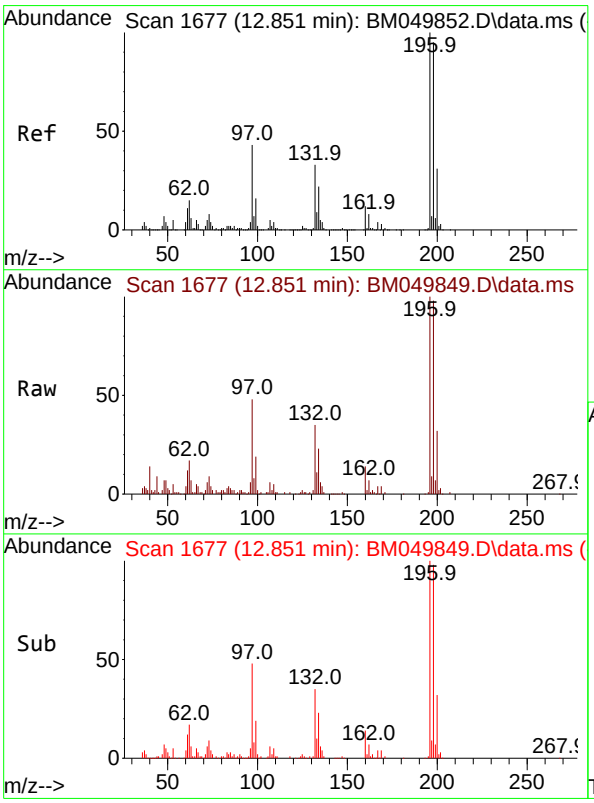
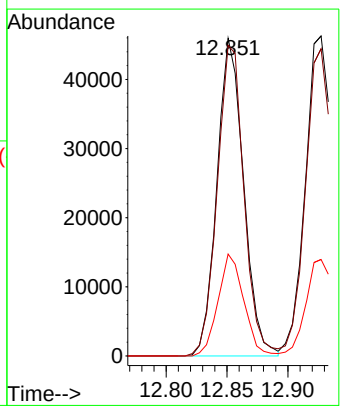
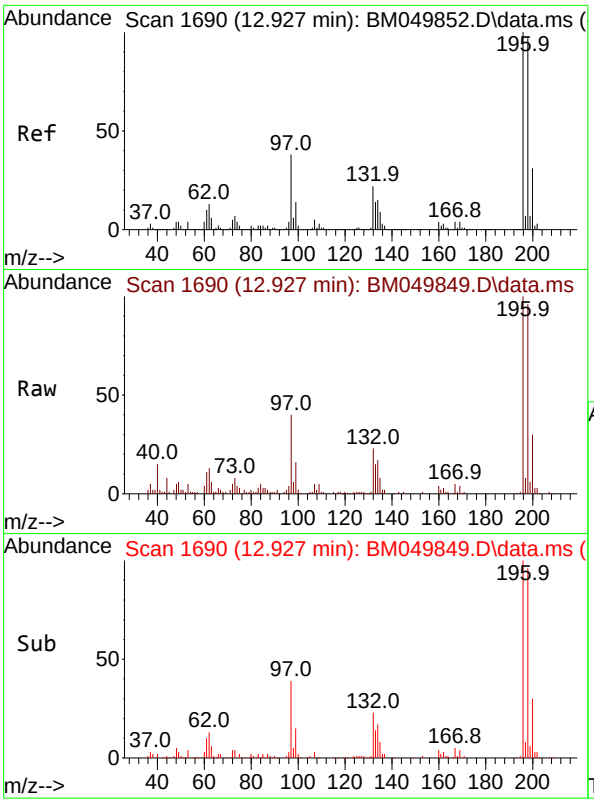


#43
2,4,6-Trichlorophenol
Concen: 4.681 ng
RT: 12.851 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:196 Resp: 69935

Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.1	114.1
200	32.1	24.7	37.1

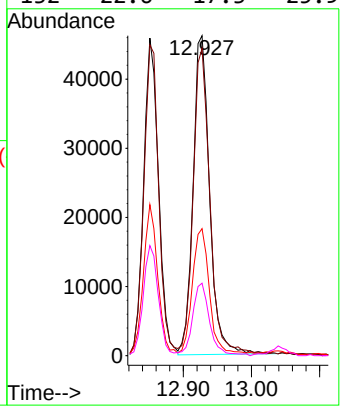




#44
2,4,5-Trichlorophenol
Concen: 4.805 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:196 Resp: 7801

Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.7	116.5
97	39.7	30.3	45.5
132	22.6	17.3	25.9



Instrument :
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ClientSampleId :
SSTDICC005

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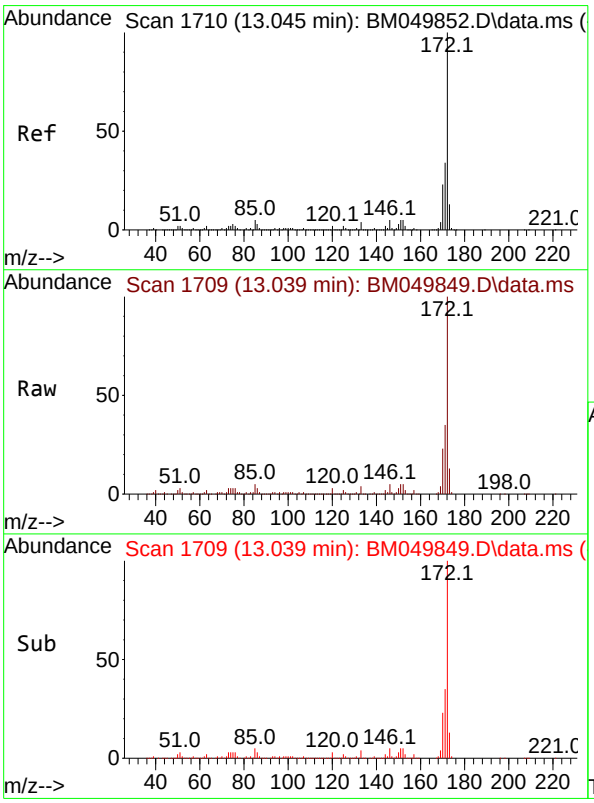
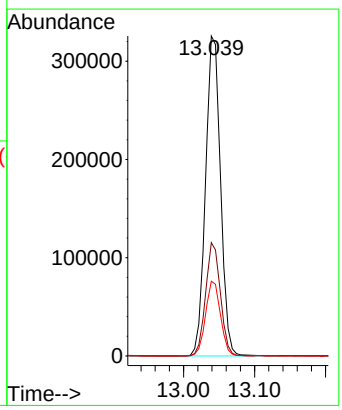
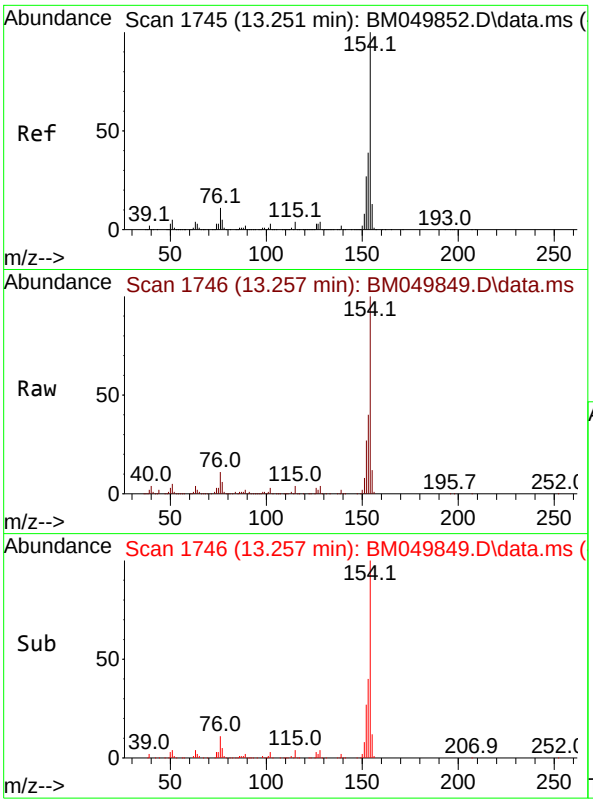


#45
2-Fluorobiphenyl
Concen: 9.661 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:172 Resp: 478149

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.4	41.2
170	23.4	18.6	28.0

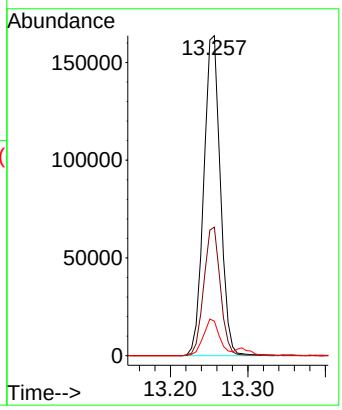




#46
1,1'-Biphenyl
Concen: 4.880 ng
RT: 13.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:154 Resp: 24344

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.3	59.3
76	10.8	0.0	30.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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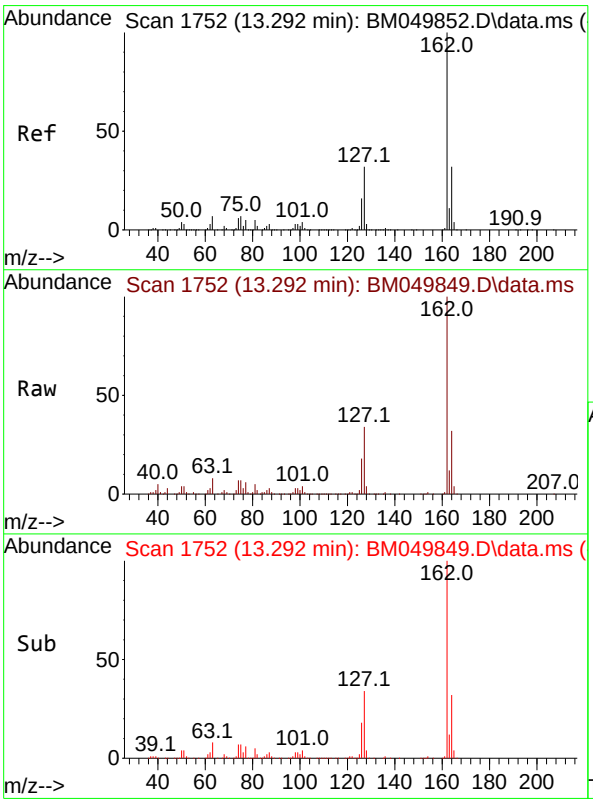
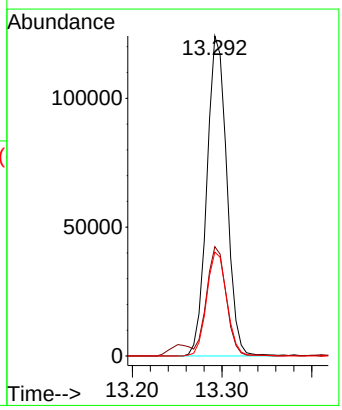
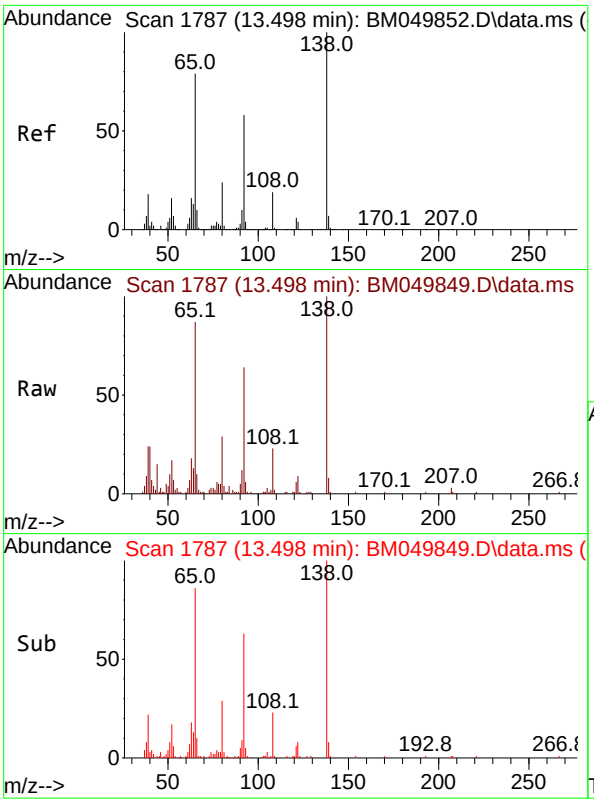


#47
2-Chloronaphthalene
Concen: 4.879 ng
RT: 13.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:162 Resp: 191299

Ion	Ratio	Lower	Upper
162	100		
127	34.1	26.0	39.0
164	32.4	25.9	38.9

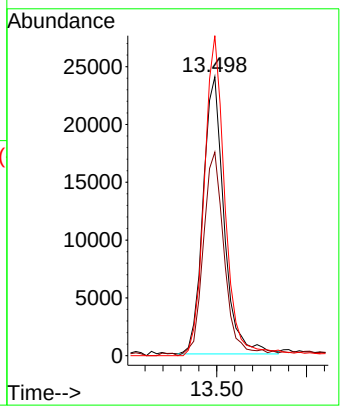




#48
2-Nitroaniline
Concen: 4.285 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 65 Resp: 3887

Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.4	87.6
138	114.8	100.8	151.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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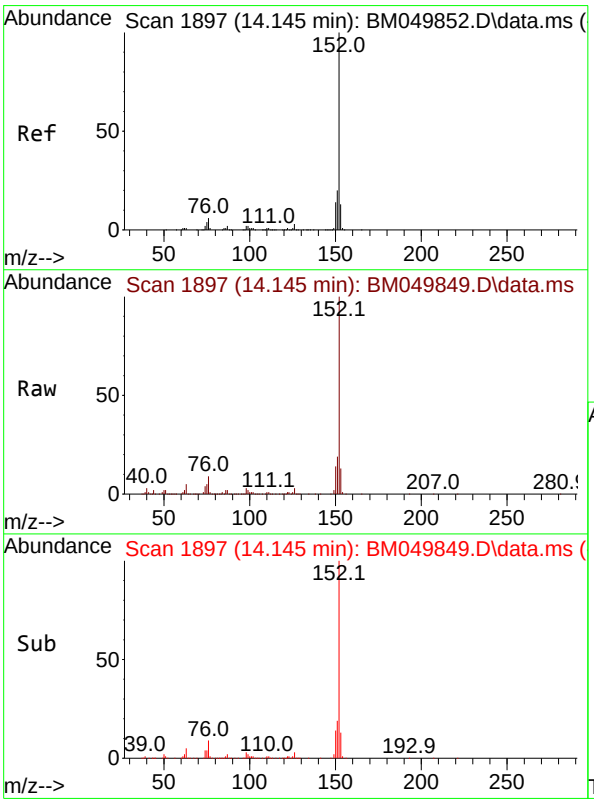
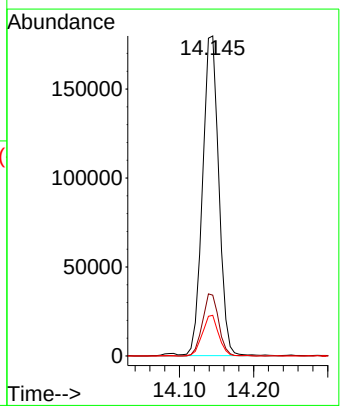
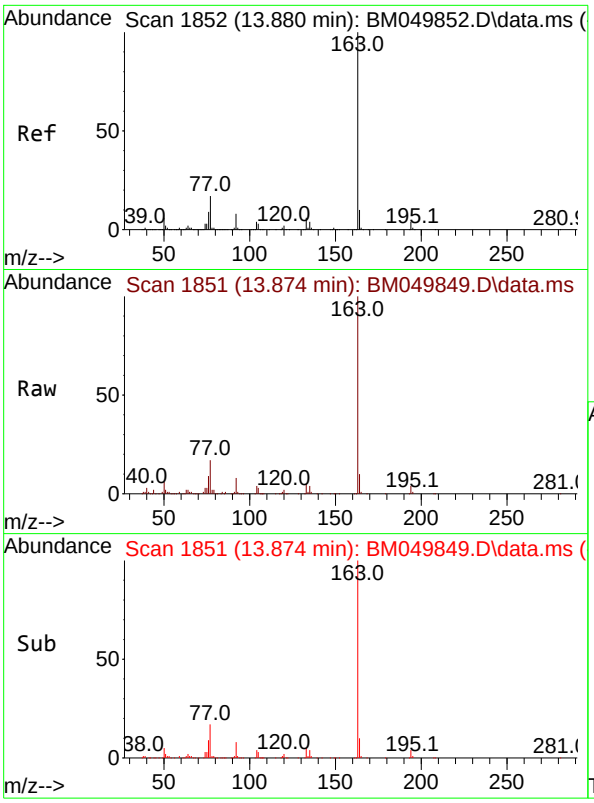


#49
Acenaphthylene
Concen: 4.779 ng
RT: 14.145 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:152 Resp: 272990

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	12.7	10.4	15.6

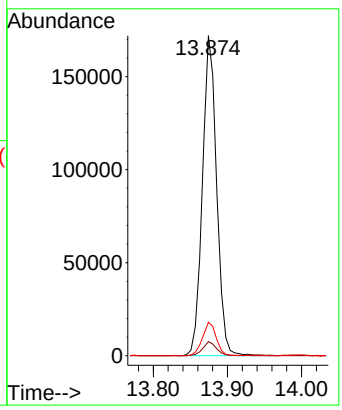




#50
Dimethylphthalate
Concen: 4.841 ng
RT: 13.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:163 Resp: 22920

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	7.9	11.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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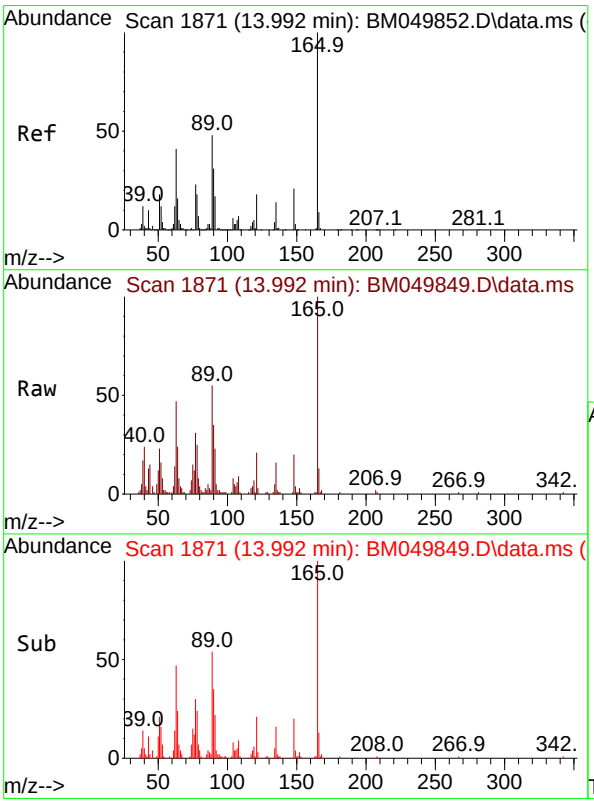
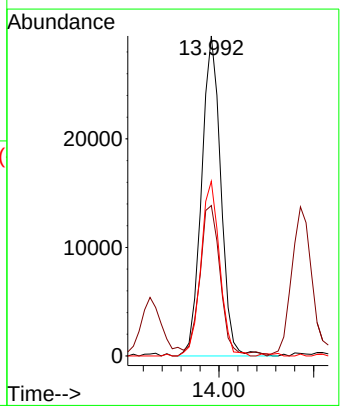
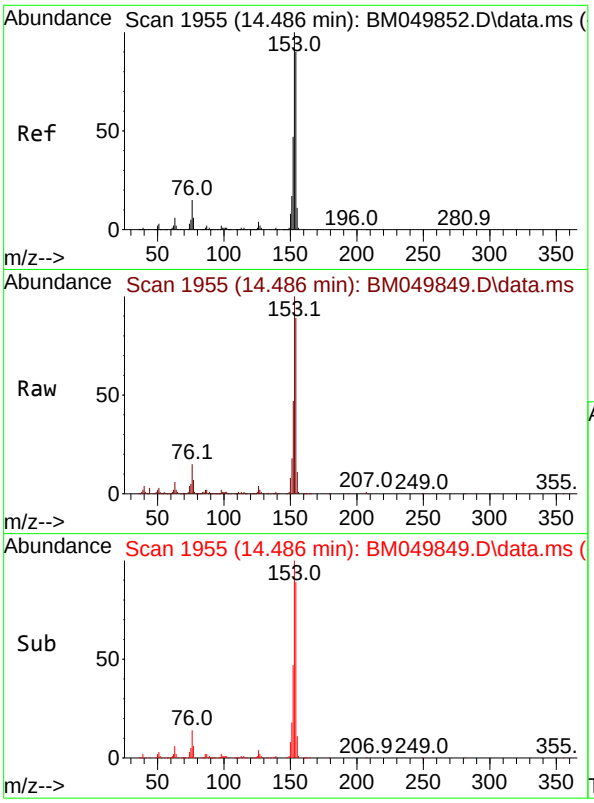


#51
2,6-Dinitrotoluene
Concen: 4.205 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:165 Resp: 41712

Ion	Ratio	Lower	Upper
165	100		
63	47.0	36.1	54.1
89	54.6	38.3	57.5

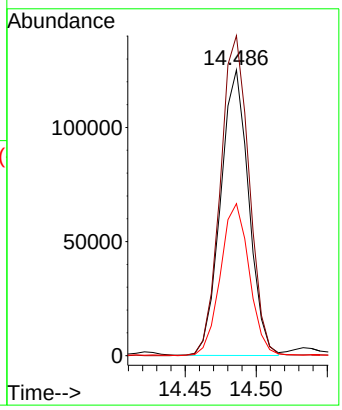




#52
Acenaphthene
Concen: 4.744 ng
RT: 14.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:154 Resp: 17236

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	53.2	42.2	63.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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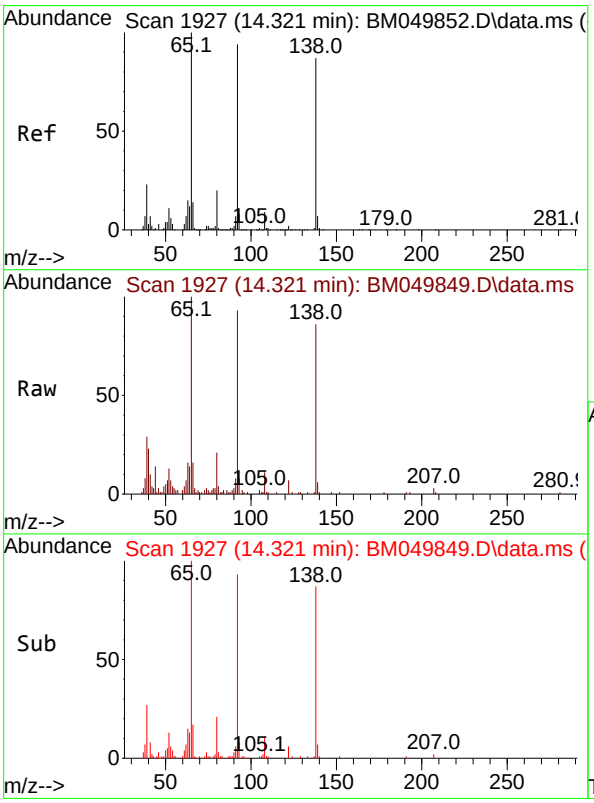
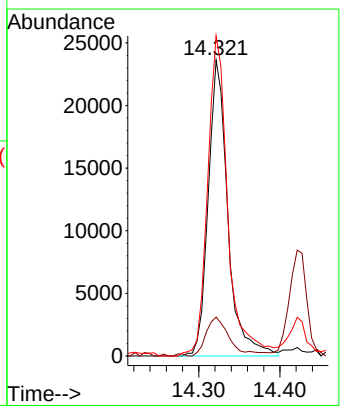
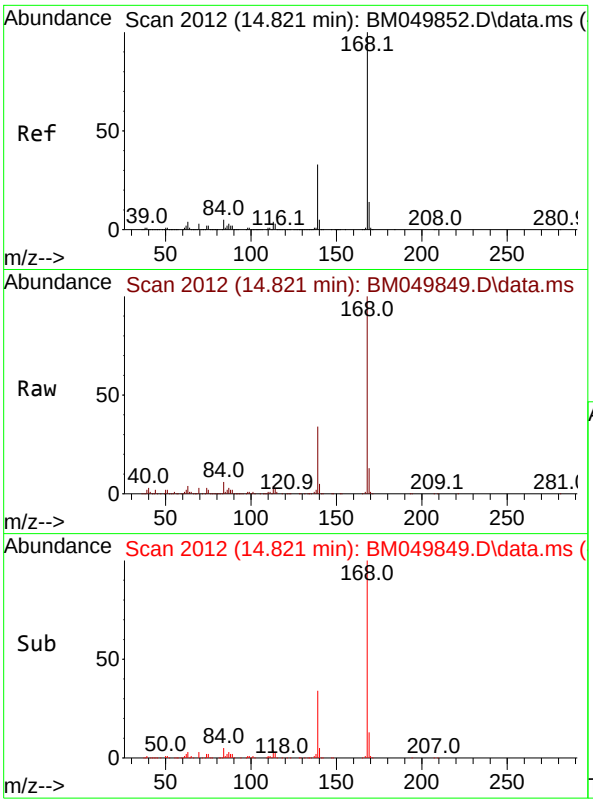


#53
3-Nitroaniline
Concen: 4.133 ng
RT: 14.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:138 Resp: 39627

Ion	Ratio	Lower	Upper
138	100		
108	13.2	8.1	12.1#
92	108.2	86.5	129.7





#55
Dibenzofuran
Concen: 4.800 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:168 Resp: 29151

Ion	Ratio	Lower	Upper
168	100		
139	34.1	26.6	39.8
169	13.4	11.0	16.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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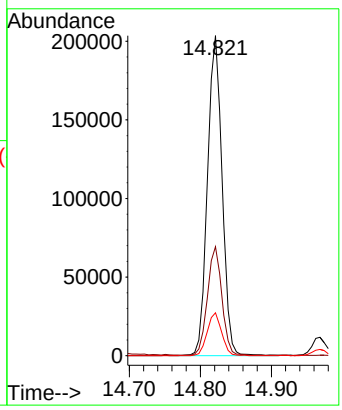
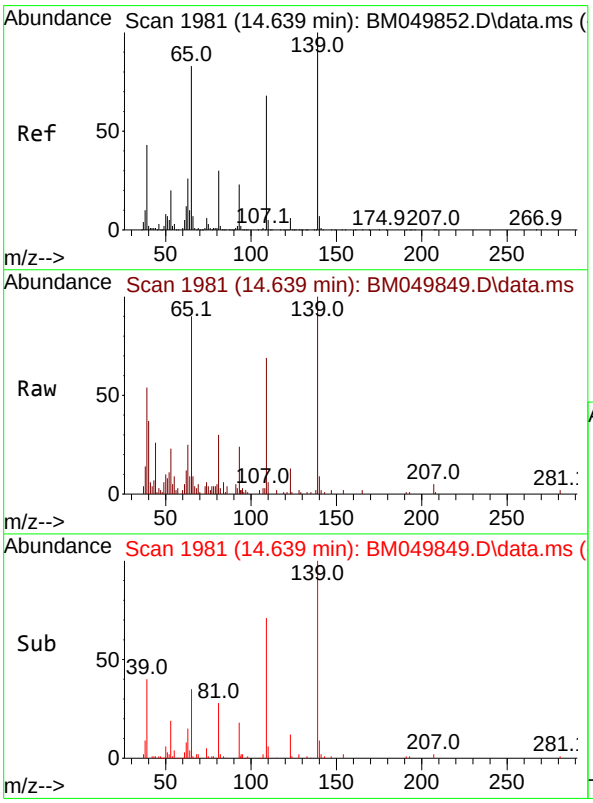
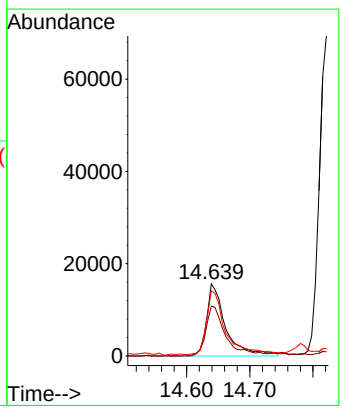


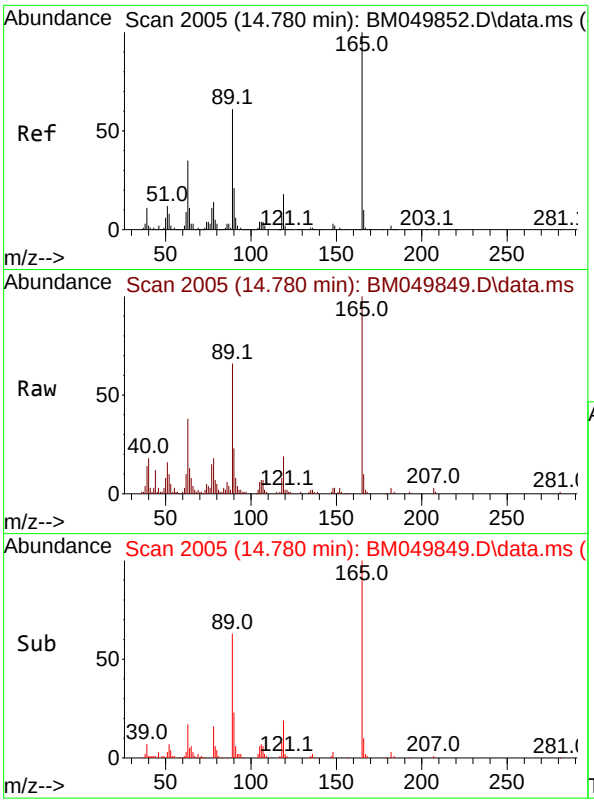


#56
4-Nitrophenol
Concen: 3.826 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:139 Resp: 32685

Ion	Ratio	Lower	Upper
139	100		
109	68.9	47.9	87.9
65	90.1	62.7	102.7

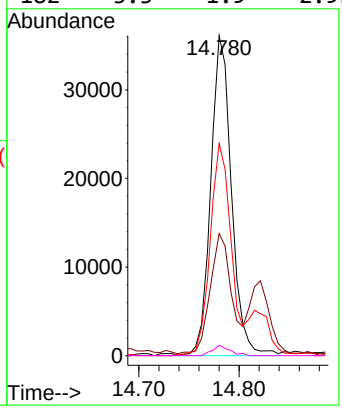




#57
2,4-Dinitrotoluene
Concen: 3.920 ng
RT: 14.780 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:165 Resp: 5188

Ion	Ratio	Lower	Upper
165	100		
63	38.2	28.6	42.8
89	66.3	49.0	73.6
182	3.3	1.9	2.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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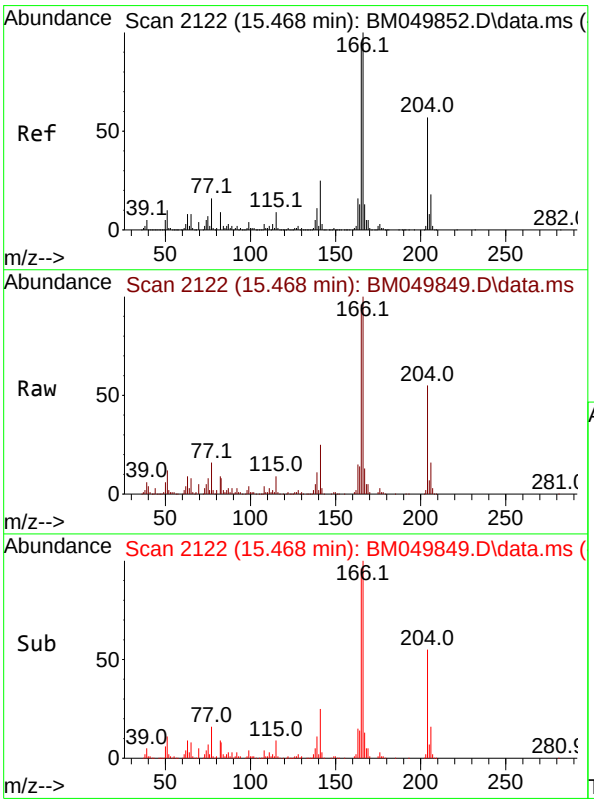
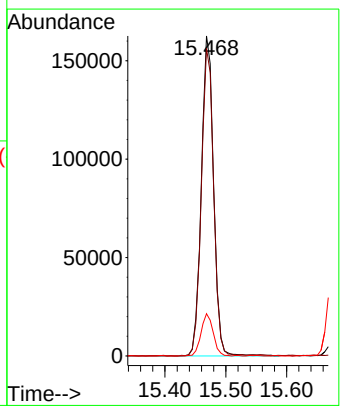
Supervised By :Jagrut Upadhyay 04/09/2025

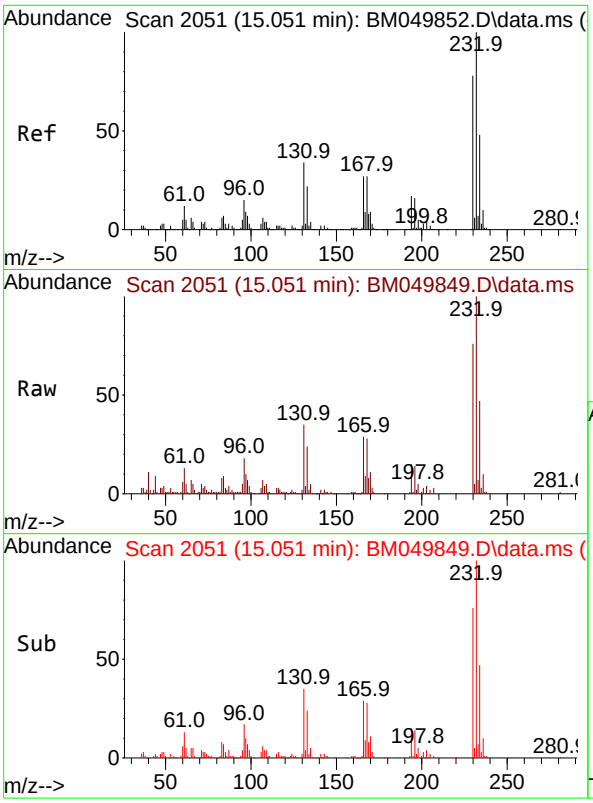


#58
Fluorene
Concen: 4.706 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:166 Resp: 227189

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.3	114.5
167	13.2	10.7	16.1

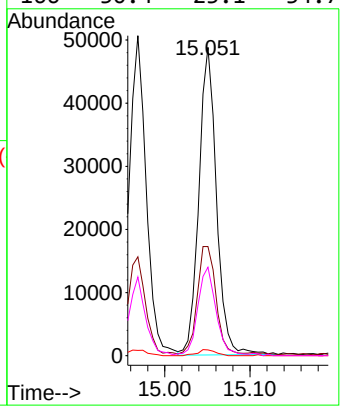




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.924 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:232 Resp: 7006

Ion	Ratio	Lower	Upper
232	100		
131	36.7	28.4	42.6
130	2.0	1.6	2.4
166	30.4	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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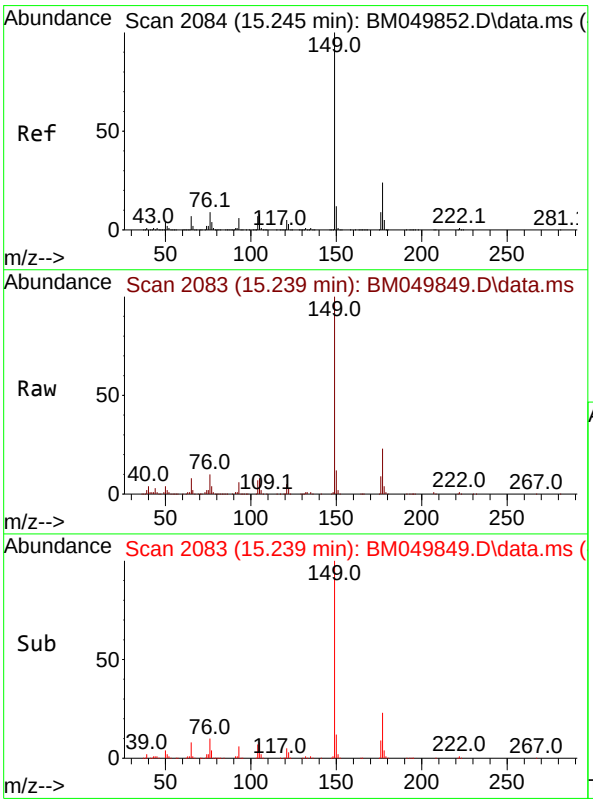
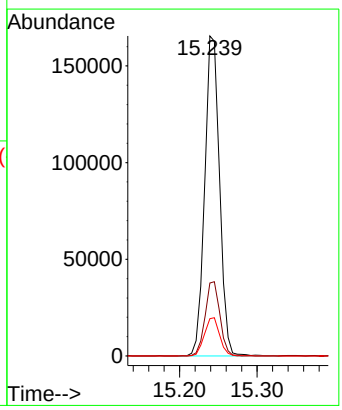
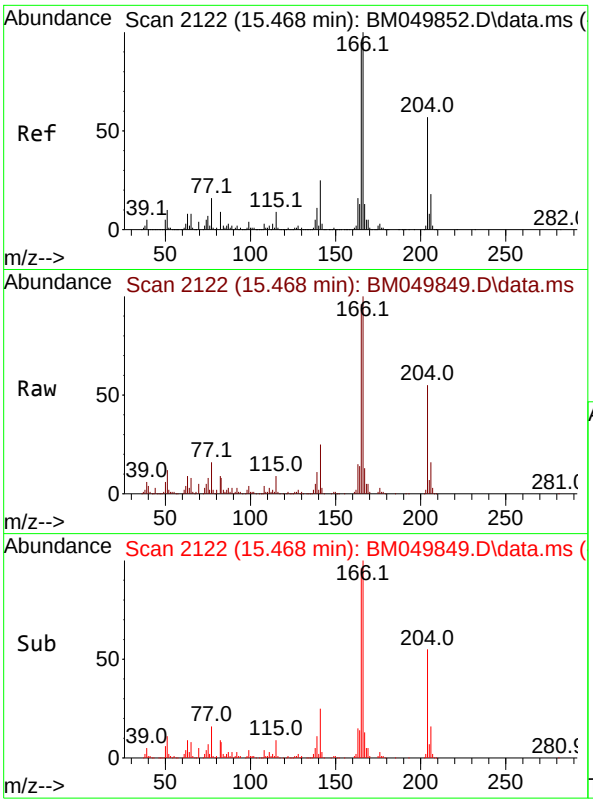


#60
Diethylphthalate
Concen: 4.846 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 220014

Ion	Ratio	Lower	Upper
149	100		
177	22.8	19.0	28.4
150	11.6	9.7	14.5

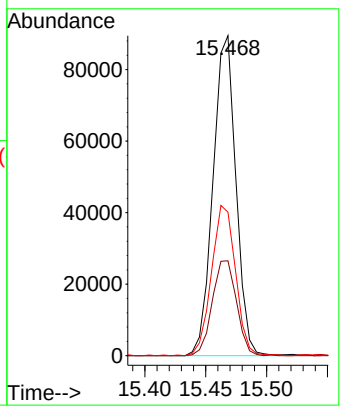




#61
4-Chlorophenyl-phenylether
Concen: 4.529 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:204 Resp: 11723

Ion	Ratio	Lower	Upper
204	100		
206	29.7	26.2	39.2
141	44.9	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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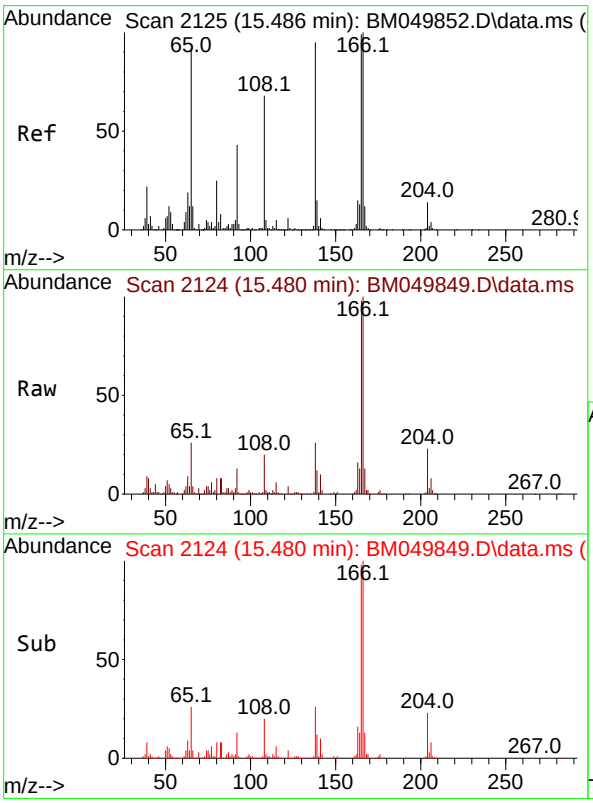
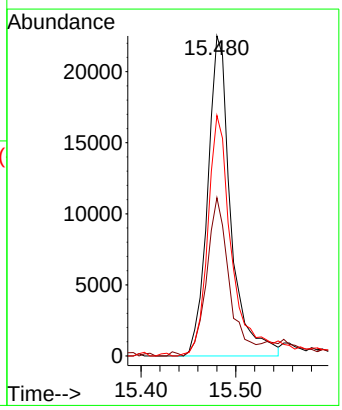
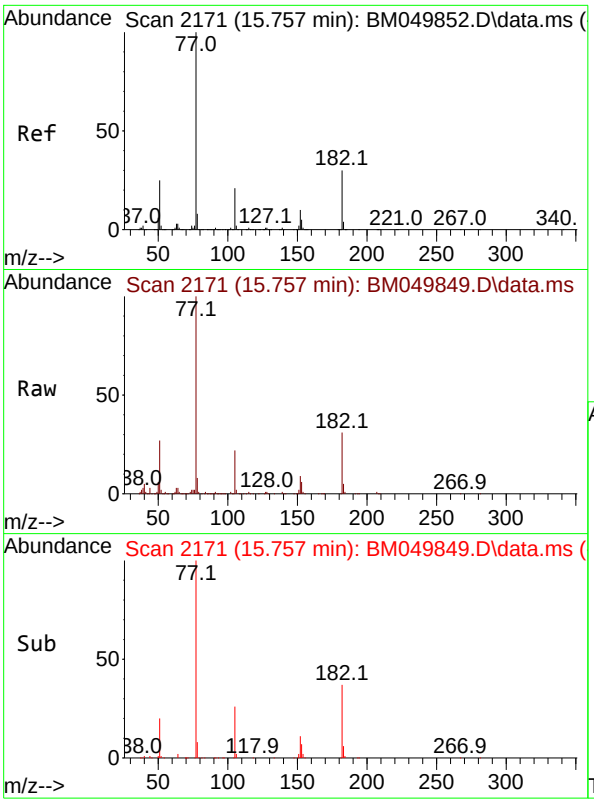


#62
4-Nitroaniline
Concen: 3.843 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:138 Resp: 38105

Ion	Ratio	Lower	Upper
138	100		
92	49.4	24.9	64.9
108	75.2	51.7	91.7

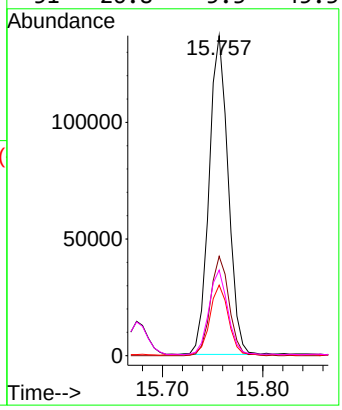




#63
Azobenzene
Concen: 4.650 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 18075

Ion	Ratio	Lower	Upper
77	100		
182	31.1	10.4	50.4
105	22.1	1.5	41.5
51	26.8	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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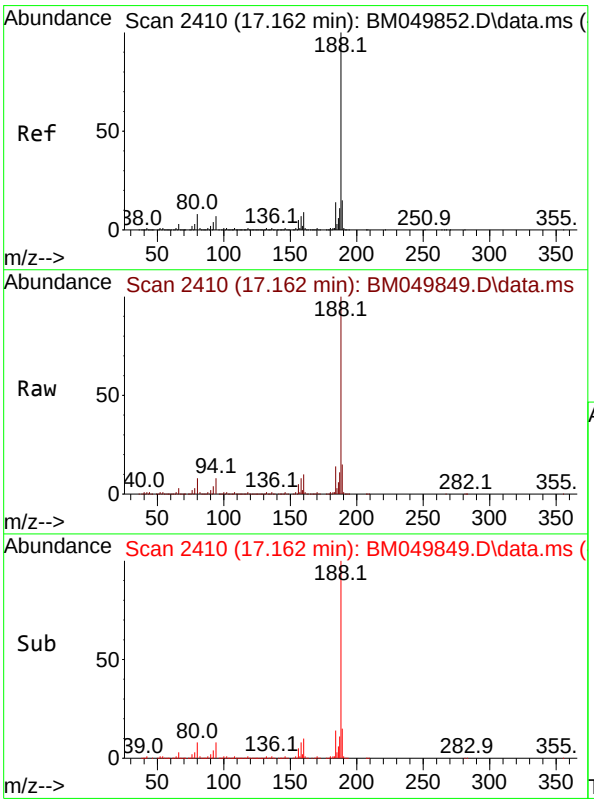
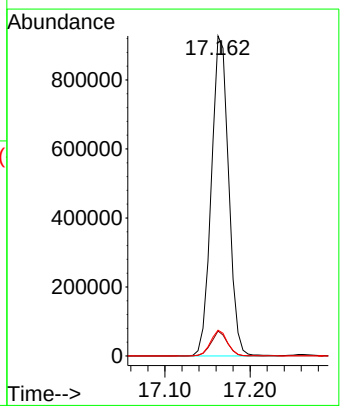
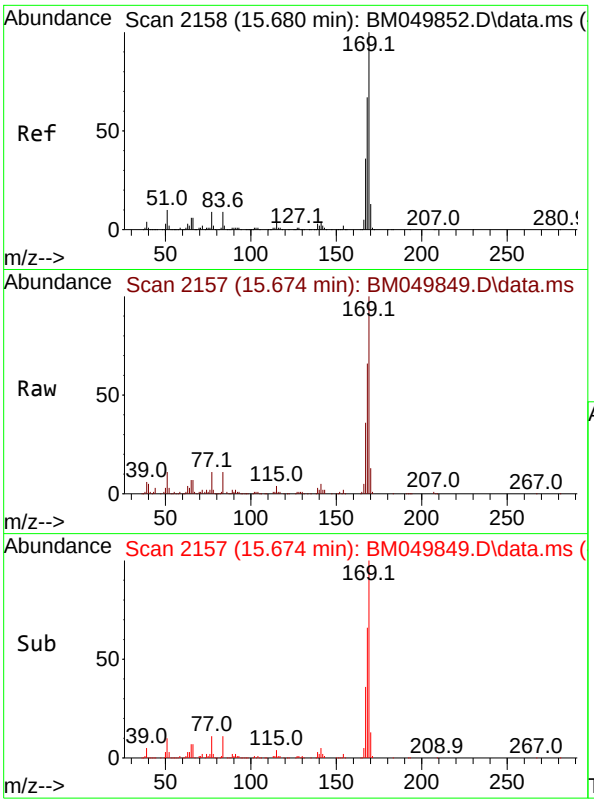


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:188 Resp: 1305854

Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.8	8.6
80	8.1	6.4	9.6

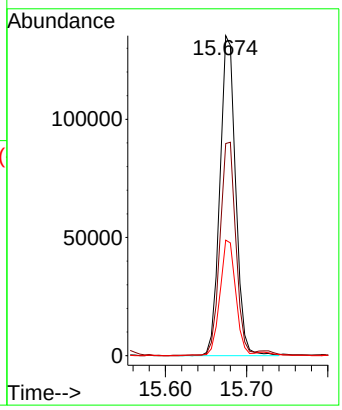




#66
n-Nitrosodiphenylamine
Concen: 4.686 ng
RT: 15.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:169 Resp: 18313

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.4	80.2
167	36.1	29.0	43.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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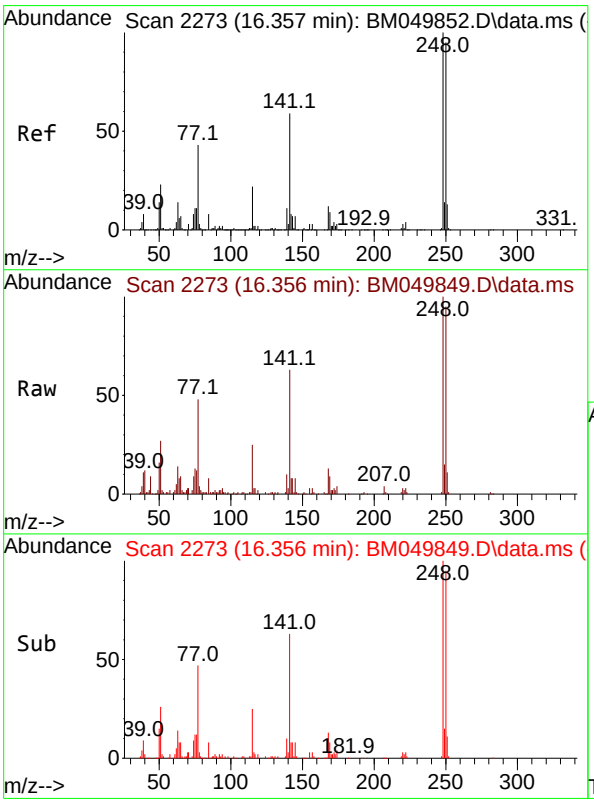
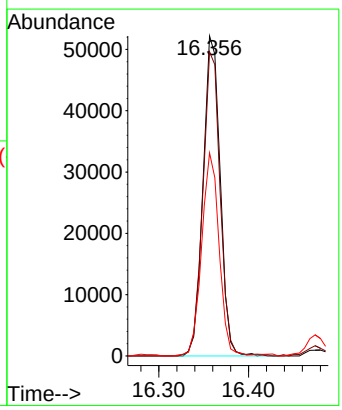
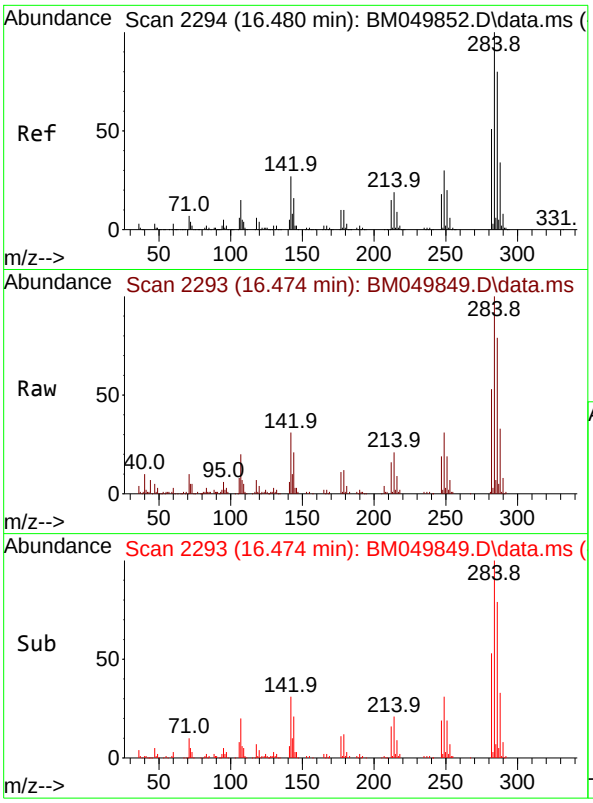


#67
4-Bromophenyl-phenylether
Concen: 4.564 ng
RT: 16.356 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:248 Resp: 69182

Ion	Ratio	Lower	Upper
248	100		
250	95.0	76.2	114.2
141	63.4	47.3	70.9





#68
Hexachlorobenzene
Concen: 4.669 ng
RT: 16.474 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 8118

Ion	Ratio	Lower	Upper
284	100		
142	31.2	21.2	31.8
249	30.9	24.1	36.1

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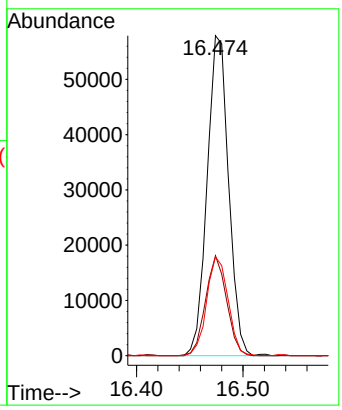
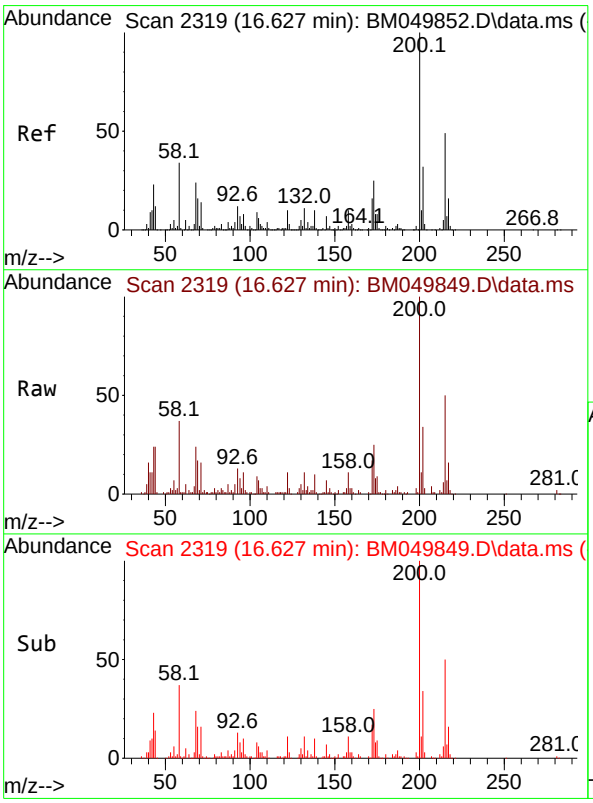
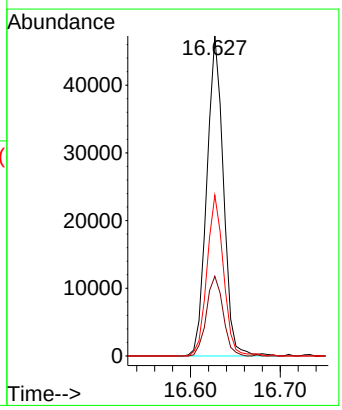


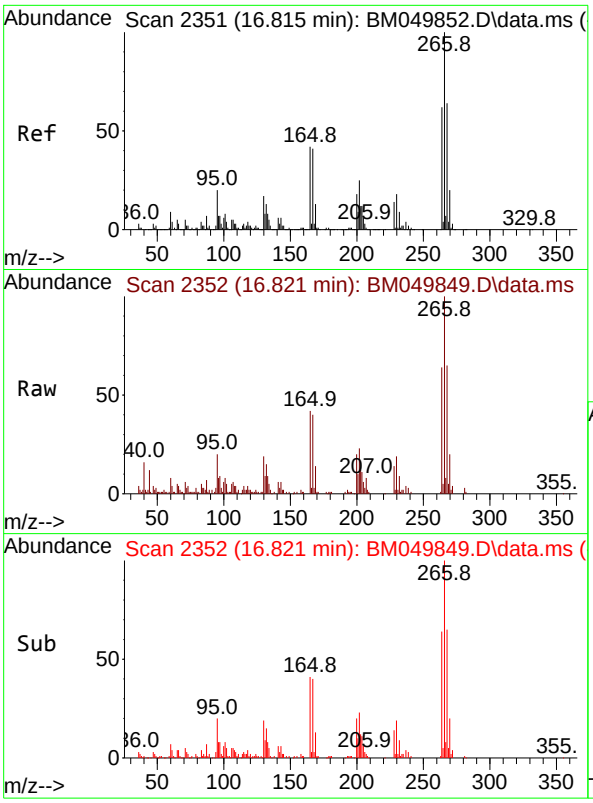


#69
Atrazine
Concen: 5.993 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:200 Resp: 60729

Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.4	45.4
215	50.2	29.0	69.0

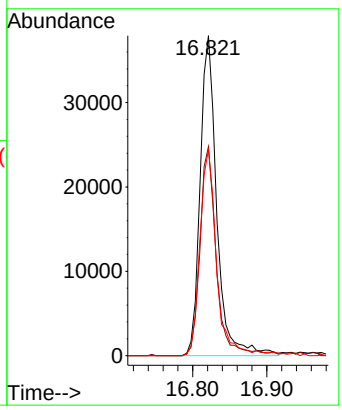




#70
Pentachlorophenol
Concen: 4.615 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:266 Resp: 5908

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.4	77.2
264	64.5	49.8	74.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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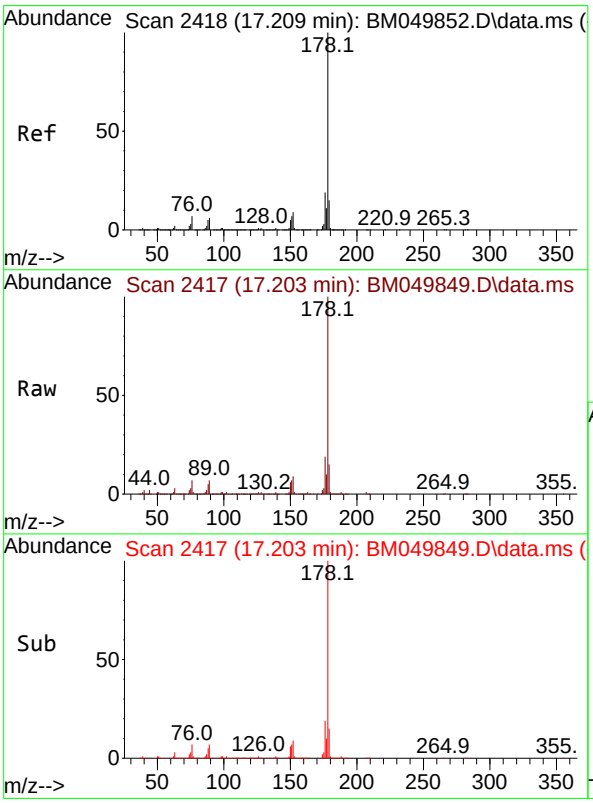
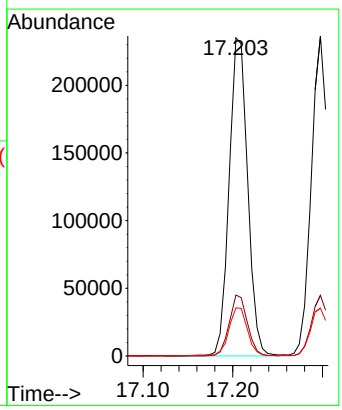
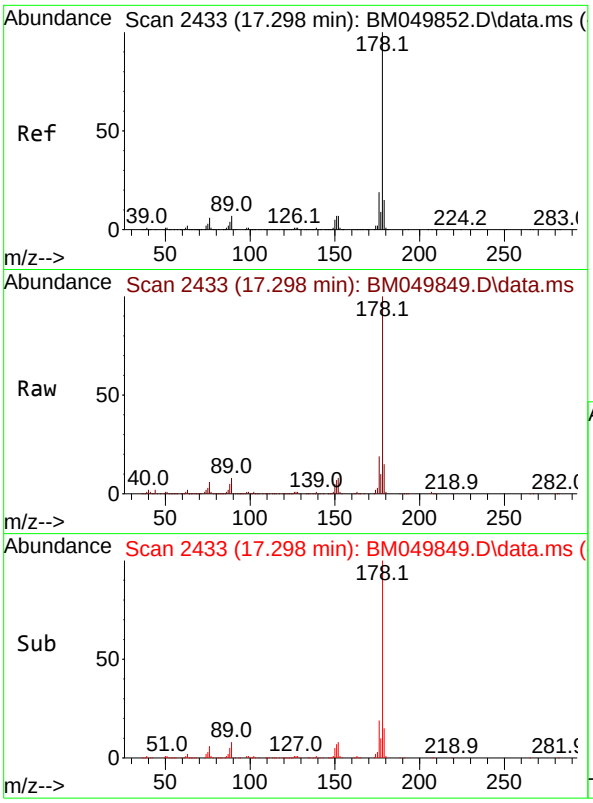


#71
Phenanthrene
Concen: 4.703 ng
RT: 17.203 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:178 Resp: 336674

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.1	12.3	18.5

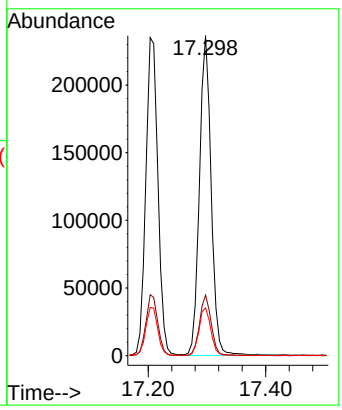




#72
Anthracene
Concen: 4.616 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:178 Resp: 32563

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	14.9	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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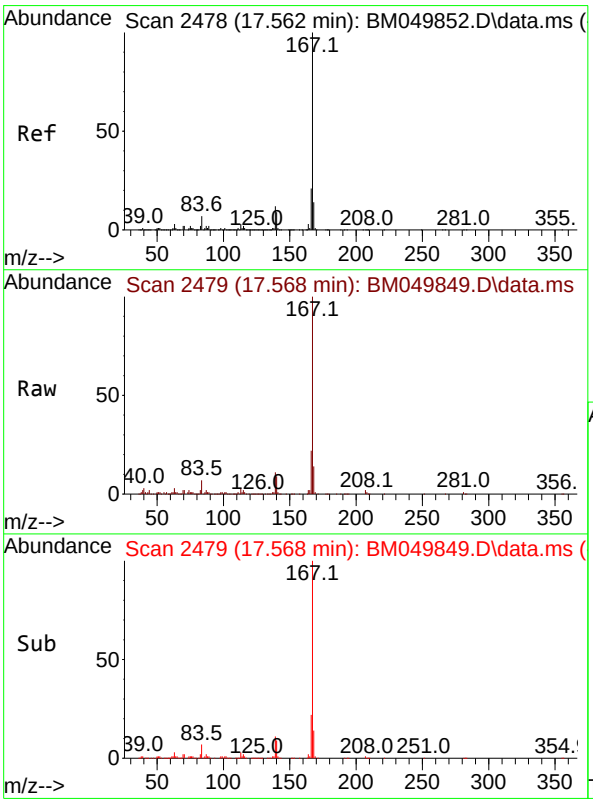
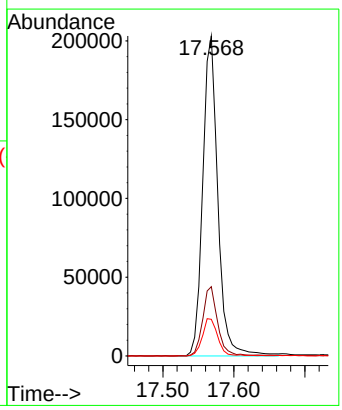
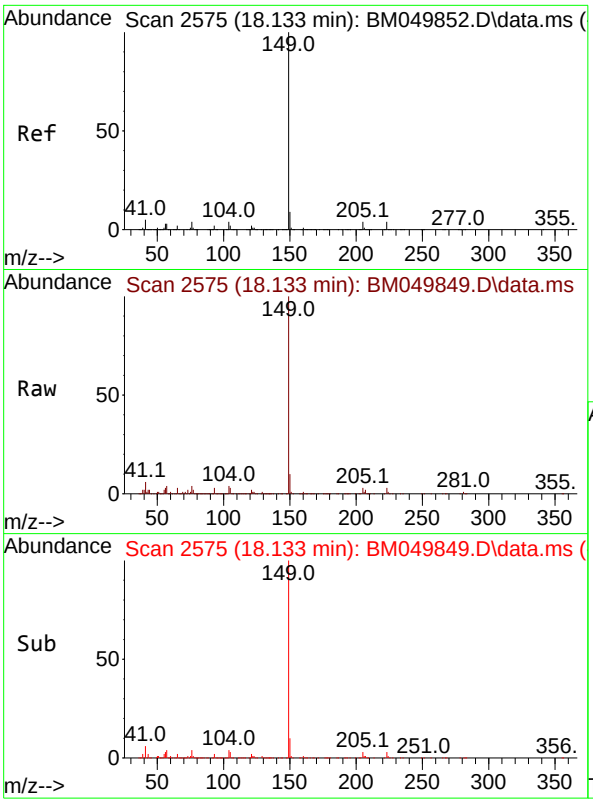


#73
Carbazole
Concen: 4.530 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:167 Resp: 301001

Ion	Ratio	Lower	Upper
167	100		
166	21.7	16.9	25.3
139	11.5	9.3	13.9

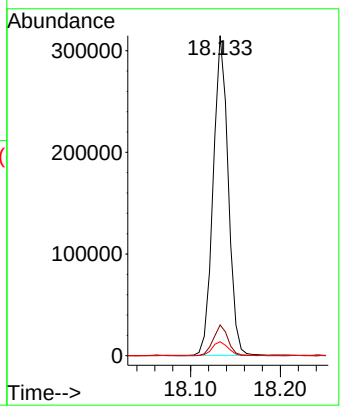




#74
Di-n-butylphthalate
Concen: 4.773 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 36535

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.3	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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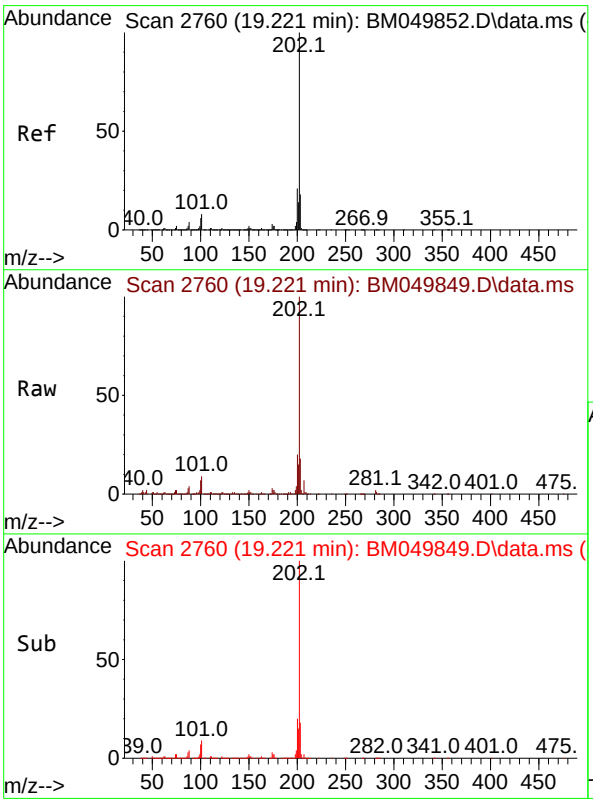
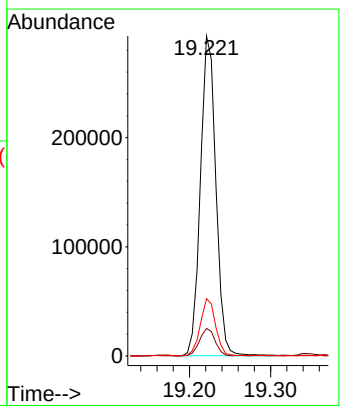
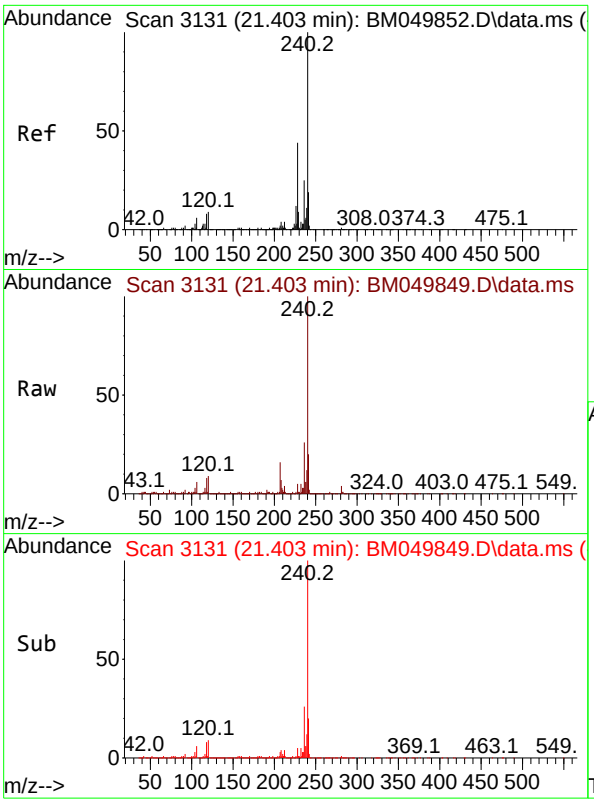


#75
Fluoranthene
Concen: 4.404 ng
RT: 19.221 min Scan# 2760
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:202 Resp: 387674

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.4
203	17.9	0.0	37.8

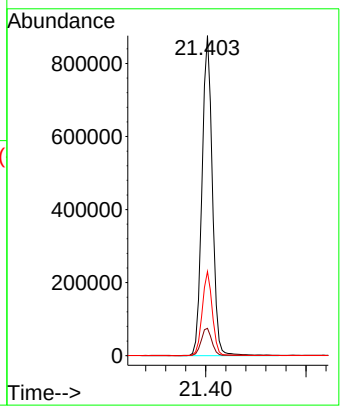




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:240 Resp: 125541

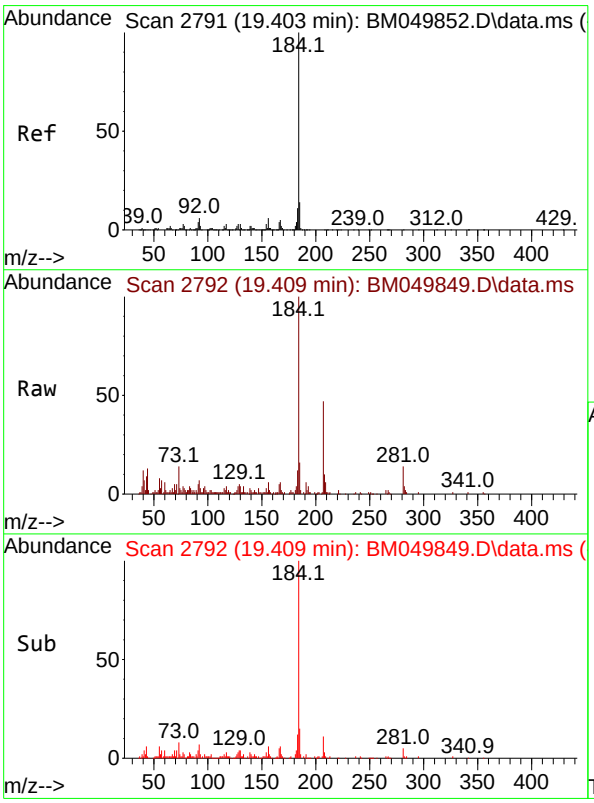
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.3	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

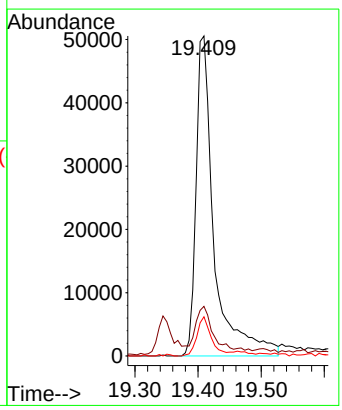
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

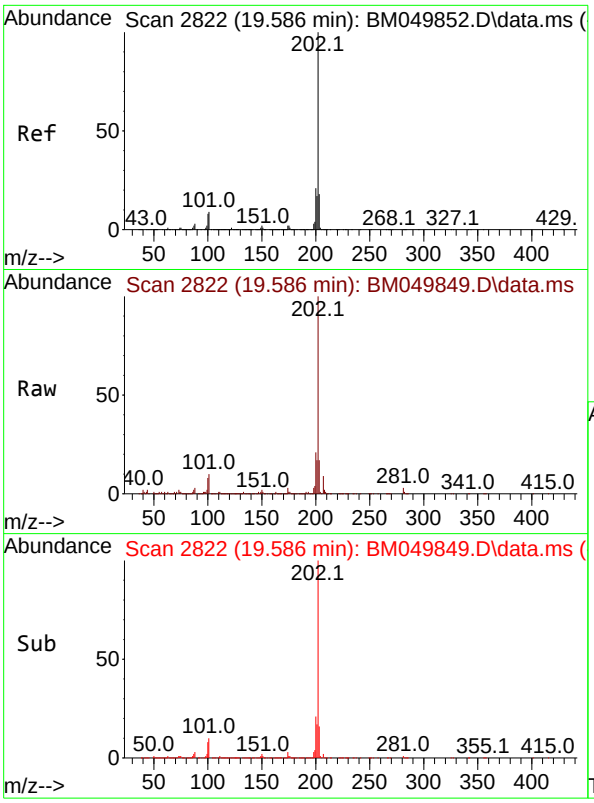


#77
Benzidine
Concen: 6.015 ng
RT: 19.409 min Scan# 2792
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:184 Resp: 100183

Ion	Ratio	Lower	Upper
184	100		
185	15.5	11.4	17.2
183	12.3	8.8	13.2

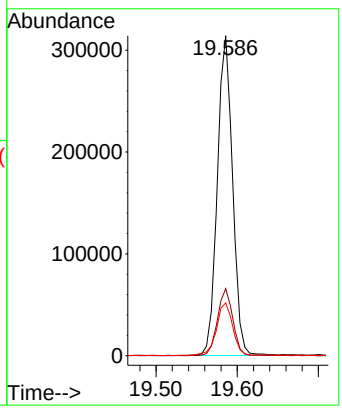




#78
Pyrene
Concen: 4.753 ng
RT: 19.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:202 Resp: 41123

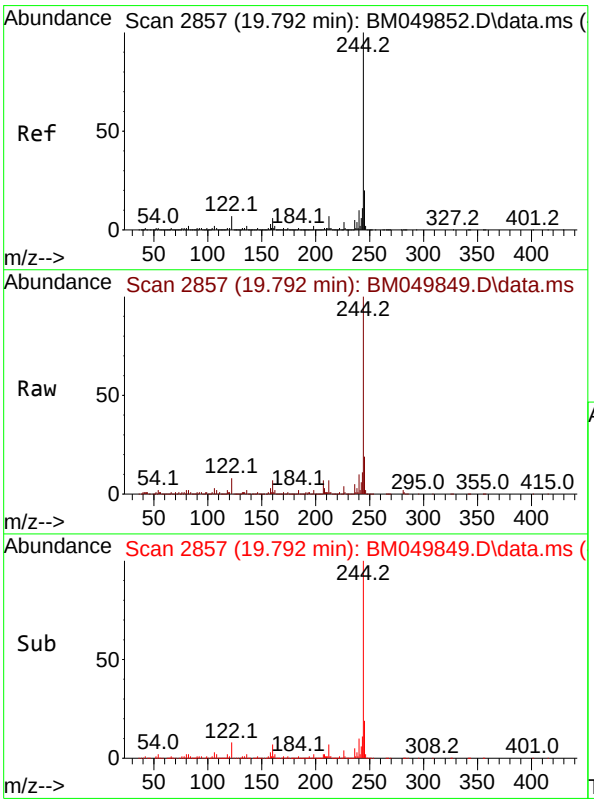
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	16.5	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

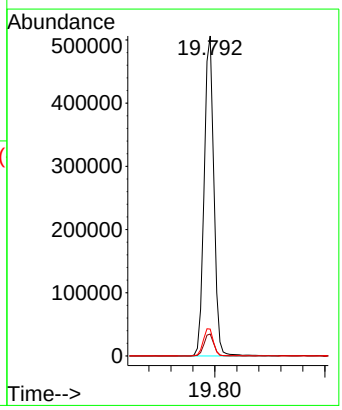
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

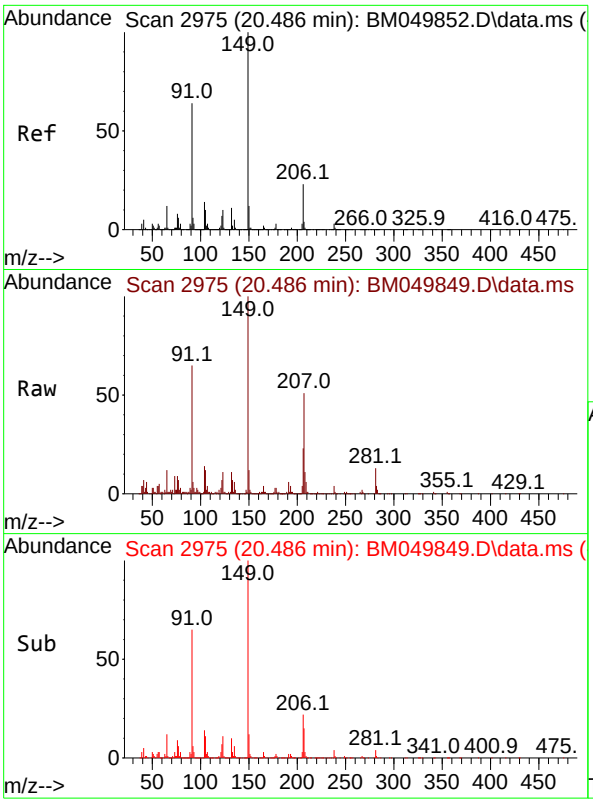


#79
Terphenyl-d14
Concen: 9.258 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:244 Resp: 620191

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.4	5.4	8.0#

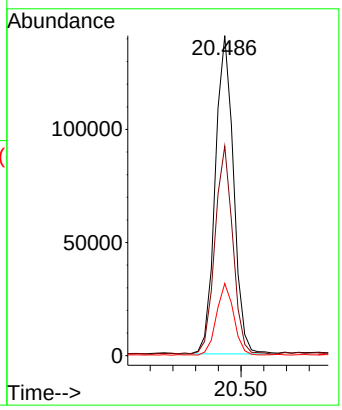




#80
Butylbenzylphthalate
Concen: 4.851 ng
RT: 20.486 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 15769

Ion	Ratio	Lower	Upper
149	100		
91	65.5	50.9	76.3
206	22.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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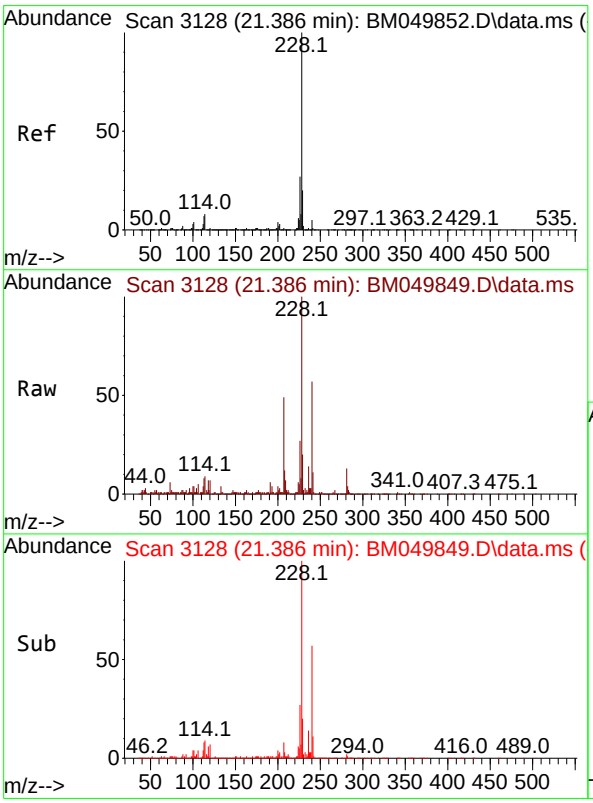
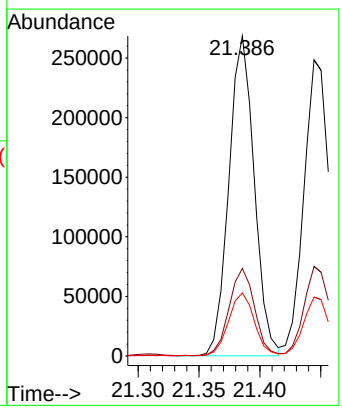
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

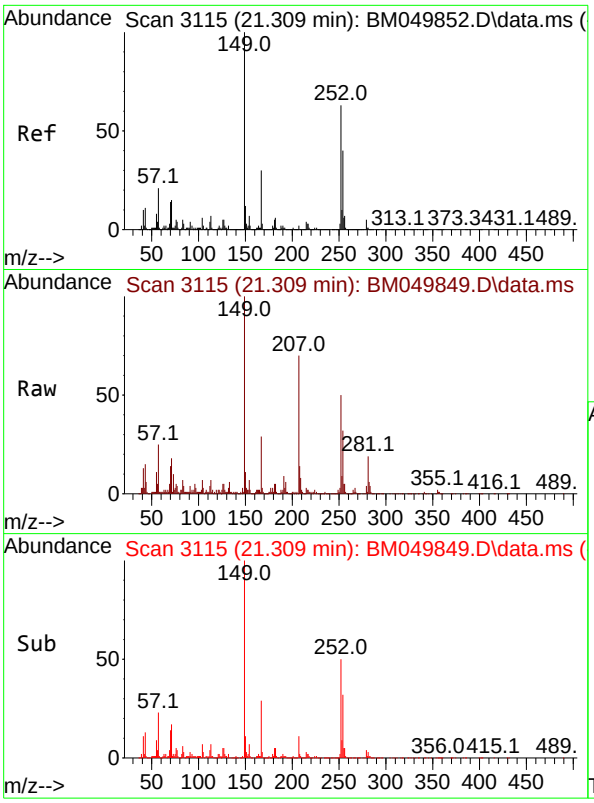


#81
Benzo(a)anthracene
Concen: 4.652 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:228 Resp: 388113

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 4.262 ng
RT: 21.309 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

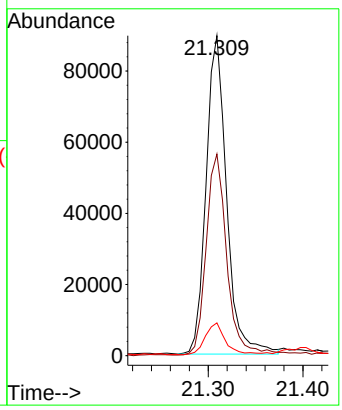
Tgt Ion:252 Resp: 13430

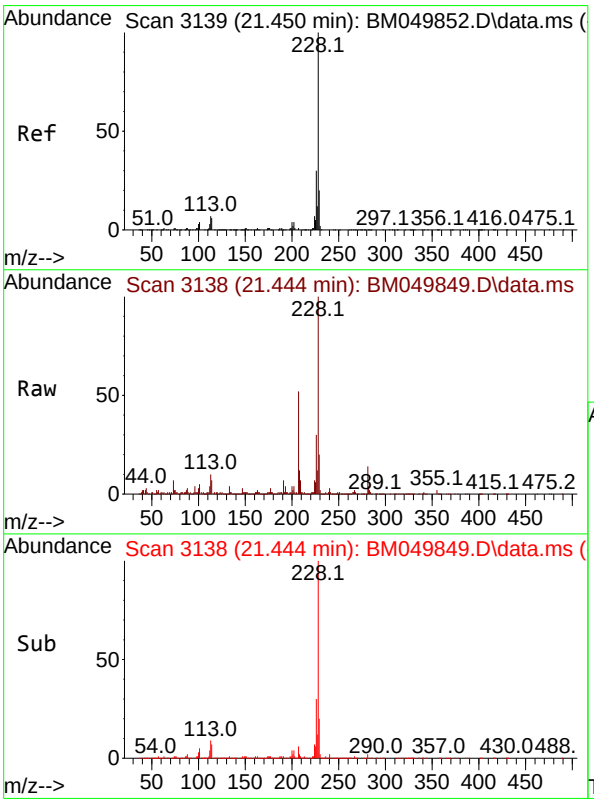
Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.5	77.3
126	10.2	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

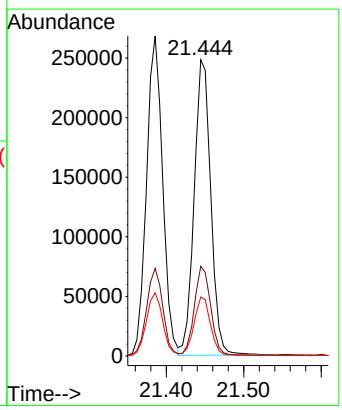


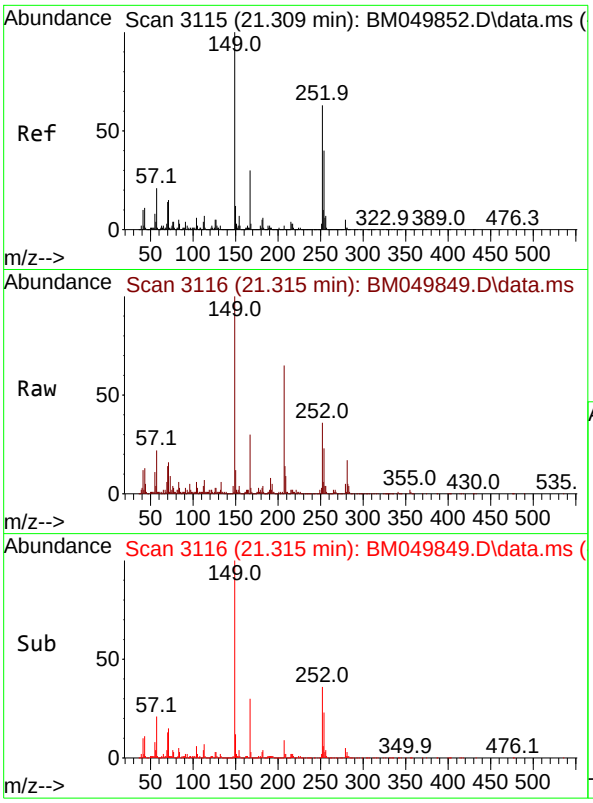


#83
Chrysene
Concen: 4.665 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:228 Resp: 370038

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.9	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.021 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

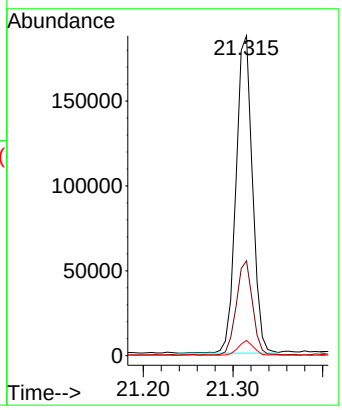
Tgt Ion:149 Resp: 23782

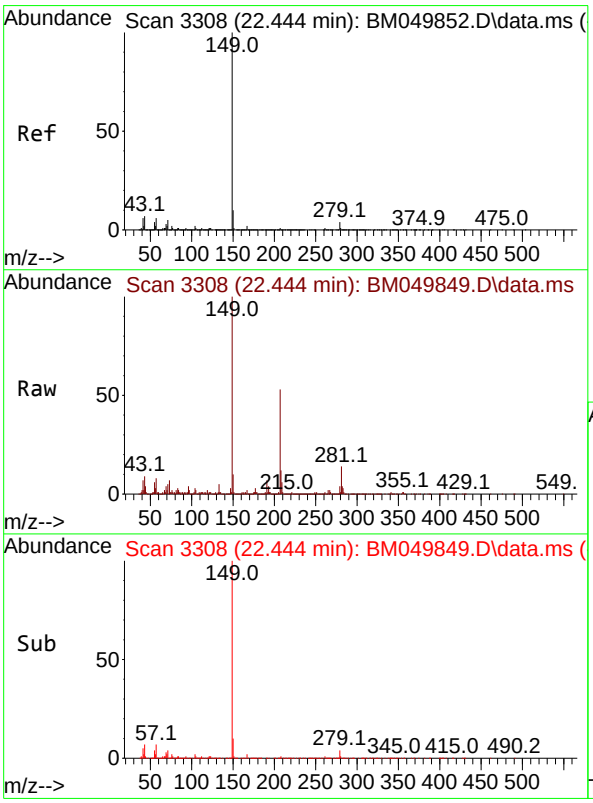
Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.6
279	4.8	3.8	5.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

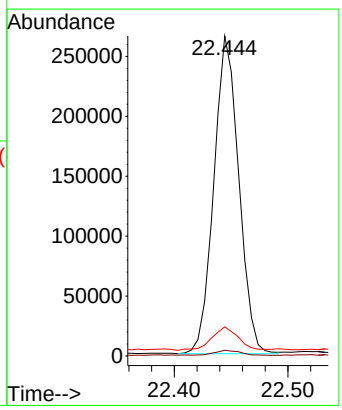


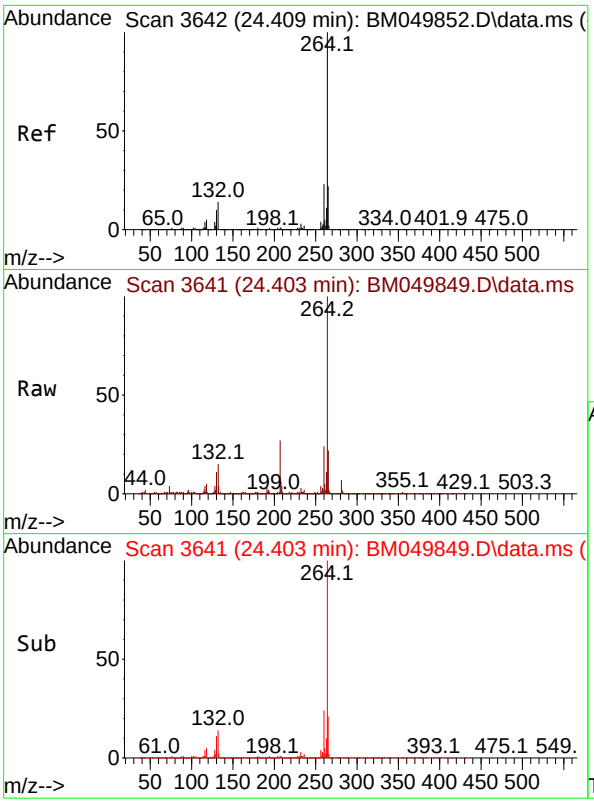


#85
Di-n-octyl phthalate
Concen: 4.889 ng
RT: 22.444 min Scan# 3308
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 405083

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.8	5.8	8.6

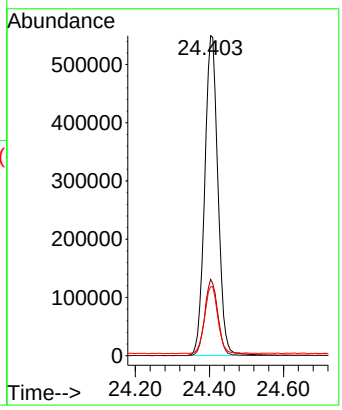




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:264 Resp: 136367

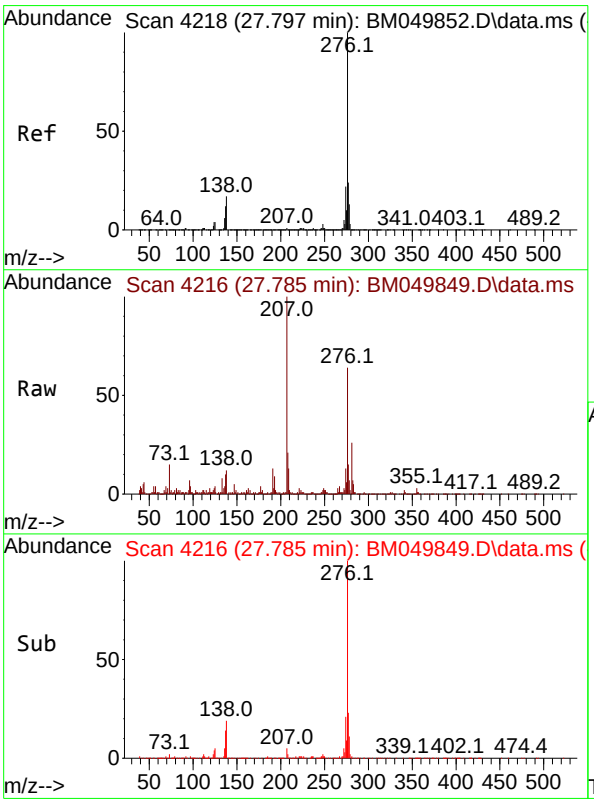
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.6	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

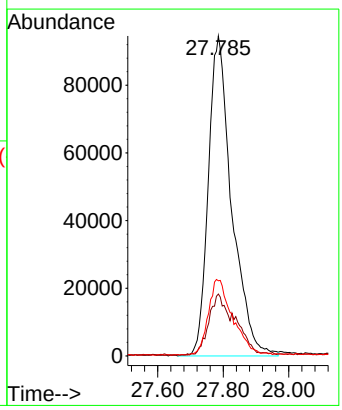
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

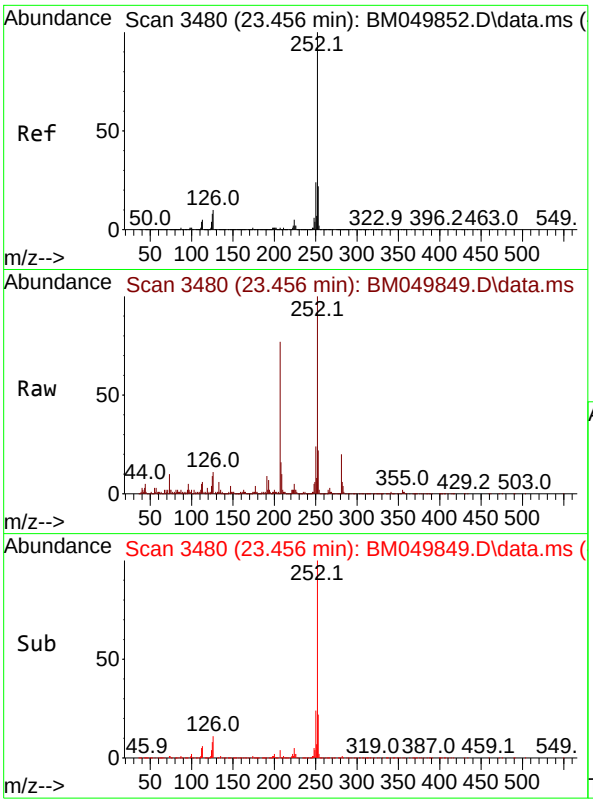


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.612 ng
RT: 27.785 min Scan# 4216
Delta R.T. -0.012 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:276 Resp: 468774

Ion	Ratio	Lower	Upper
276	100		
138	14.5	16.8	25.2#
277	24.3	20.1	30.1

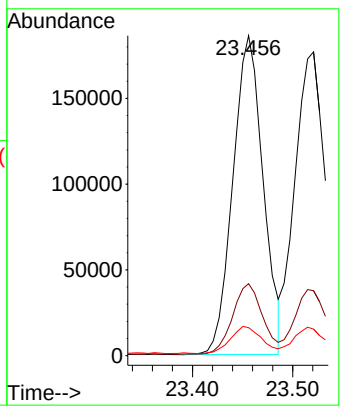




#88
Benzo(b)fluoranthene
Concen: 4.467 ng
RT: 23.456 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 38902

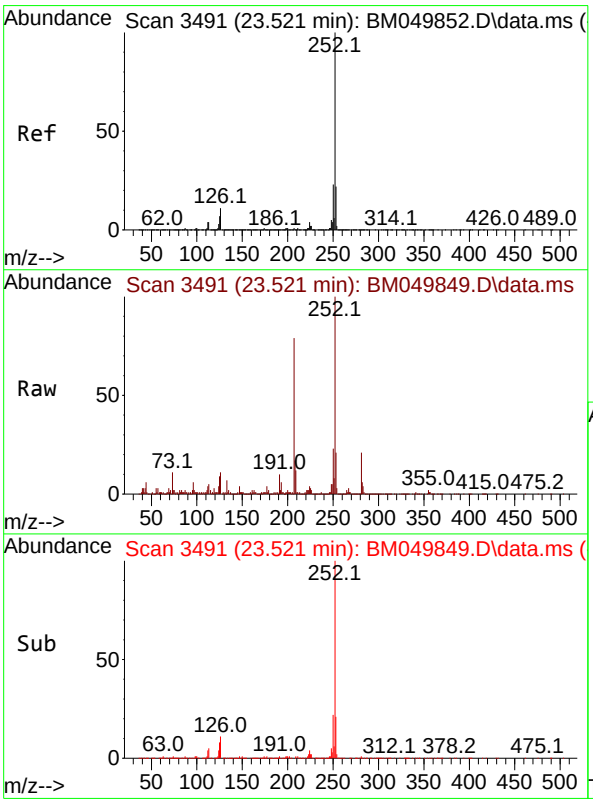
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	8.7	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

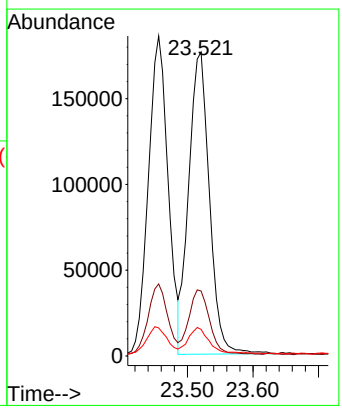
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

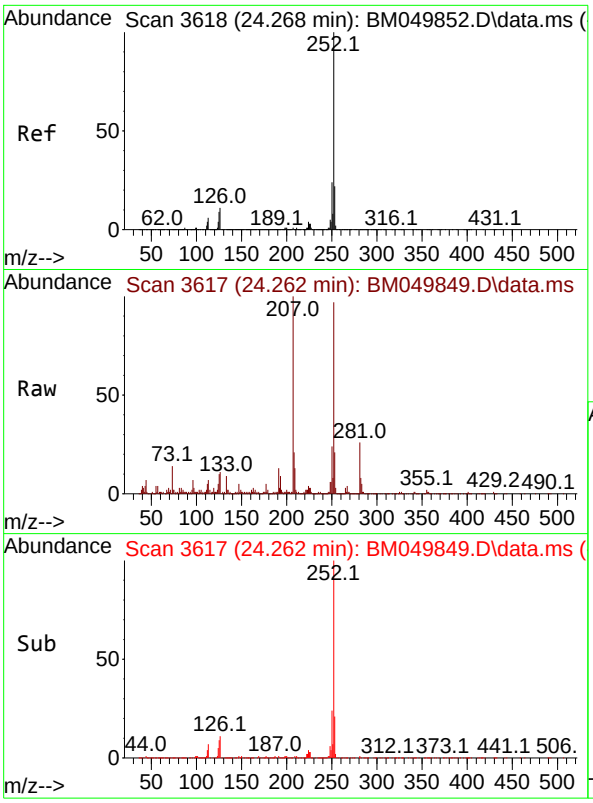


#89
Benzo(k)fluoranthene
Concen: 4.571 ng
RT: 23.521 min Scan# 3491
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 385821

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.7	5.8	8.8

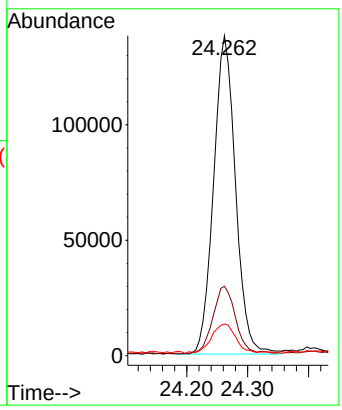




#90
Benzo(a)pyrene
Concen: 4.505 ng
RT: 24.262 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 34480

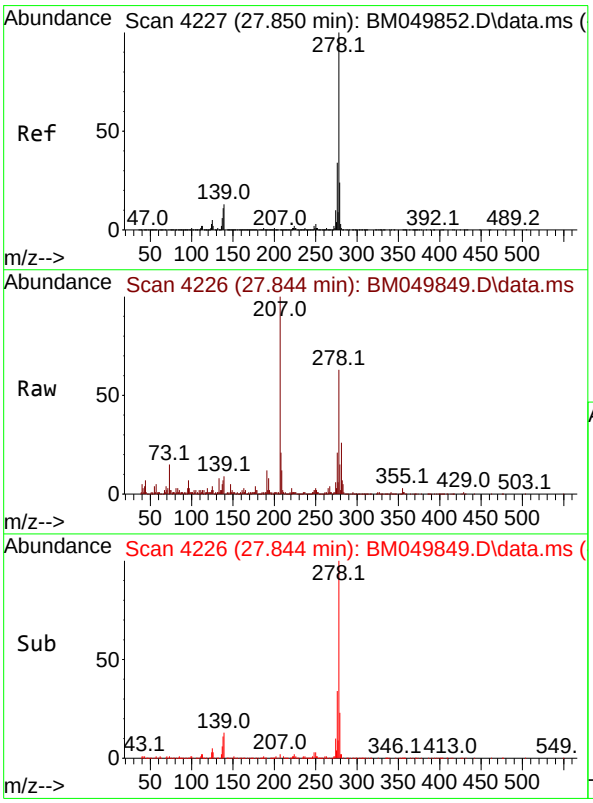
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.9	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

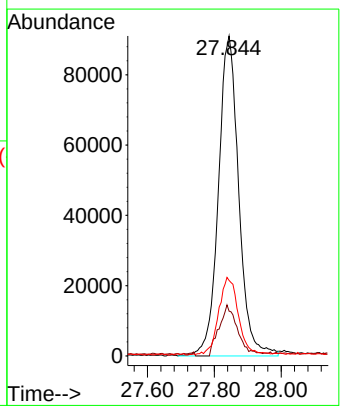
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

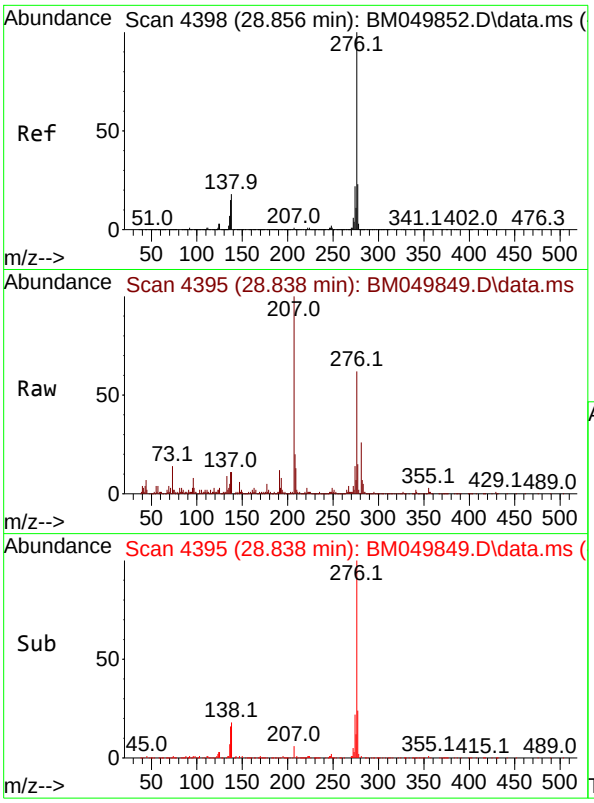


#91
Dibenzo(a,h)anthracene
Concen: 4.595 ng
RT: 27.844 min Scan# 4226
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:278 Resp: 384717

Ion	Ratio	Lower	Upper
278	100		
139	14.0	10.6	15.8
279	23.6	19.1	28.7

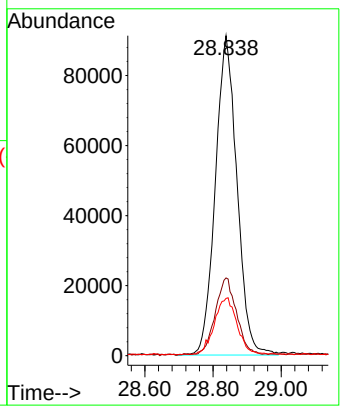




#92
Benzo(g,h,i)perylene
Concen: 4.693 ng
RT: 28.838 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:276 Resp: 40153

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.7	28.1
138	17.9	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	318993	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1091615	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	671187	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1281742	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1251521	20.000	ng		0.00
86) Perylene-d12	24.403	264	1360976	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	364921	19.426	ng		0.00
7) Phenol-d6	6.951	99	444096	19.001	ng		0.00
23) Nitrobenzene-d5	8.934	82	375019	19.130	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	171135	17.530	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	949122	19.175	ng		0.00
79) Terphenyl-d14	19.792	244	1257136	18.825	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	74941	9.687	ng		99
3) Pyridine	3.669	79	194530	9.574	ng		98
4) n-Nitrosodimethylamine	3.569	42	73514	9.503	ng	#	92
6) Aniline	7.104	93	209739	10.473	ng		98
8) 2-Chlorophenol	7.346	128	189954	9.867	ng		98
9) Benzaldehyde	6.916	77	132319	11.041	ng		97
10) Phenol	6.975	94	218482	9.579	ng		99
11) bis(2-Chloroethyl)ether	7.199	93	172950	9.669	ng		98
12) 1,3-Dichlorobenzene	7.669	146	221893	9.749	ng		99
13) 1,4-Dichlorobenzene	7.816	146	223068	9.740	ng		97
14) 1,2-Dichlorobenzene	8.134	146	211403	9.800	ng		99
15) Benzyl Alcohol	8.016	79	136655	9.285	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	197037	9.884	ng		98
17) 2-Methylphenol	8.228	107	136469	9.709	ng		98
18) Hexachloroethane	8.857	117	78782	9.888	ng		99
19) n-Nitroso-di-n-propyla...	8.581	70	124842	9.644	ng		99
20) 3+4-Methylphenols	8.551	107	182163	9.506	ng		94
22) Acetophenone	8.598	105	260553	9.821	ng	#	99
24) Nitrobenzene	8.975	77	179572	9.513	ng		99
25) Isophorone	9.504	82	309763	9.433	ng		99
26) 2-Nitrophenol	9.687	139	90001	8.996	ng		98
27) 2,4-Dimethylphenol	9.751	122	105908	9.341	ng		98
28) bis(2-Chloroethoxy)met...	9.987	93	210772	9.587	ng		100
29) 2,4-Dichlorophenol	10.228	162	174408	9.254	ng		98
30) 1,2,4-Trichlorobenzene	10.439	180	207530	9.518	ng		97
31) Naphthalene	10.622	128	540149	9.630	ng		98
32) Benzoic acid	9.828	122	59585m	12.140	ng		
33) 4-Chloroaniline	10.734	127	191655	9.676	ng		100
34) Hexachlorobutadiene	10.916	225	128662	9.540	ng		98
35) Caprolactam	11.492	113	48349	8.944	ng		91
36) 4-Chloro-3-methylphenol	11.863	107	150861	9.138	ng		99
37) 2-Methylnaphthalene	12.239	142	374075	9.465	ng		99
38) 1-Methylnaphthalene	12.457	142	359844	9.346	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	222088	9.458	ng		99
41) Hexachlorocyclopentadiene	12.592	237	74731	9.083	ng		95
43) 2,4,6-Trichlorophenol	12.851	196	141088	9.442	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	151683	9.342	ng		96
46) 1,1'-Biphenyl	13.251	154	479426	9.609	ng		99
47) 2-Chloronaphthalene	13.292	162	383880	9.789	ng		99
48) 2-Nitroaniline	13.492	65	81359	8.968	ng		94
49) Acenaphthylene	14.139	152	541476	9.479	ng		100
50) Dimethylphthalate	13.875	163	446549	9.431	ng		99
51) 2,6-Dinitrotoluene	13.992	165	88819	8.953	ng		98
52) Acenaphthene	14.486	154	343452	9.452	ng		98
53) 3-Nitroaniline	14.322	138	84915	8.856	ng	#	96
54) 2,4-Dinitrophenol	14.533	184	32385	11.325	ng		97
55) Dibenzofuran	14.822	168	573562	9.443	ng		99
56) 4-Nitrophenol	14.639	139	71545	8.373	ng		99
57) 2,4-Dinitrotoluene	14.780	165	111615	8.433	ng	#	97
58) Fluorene	15.469	166	448037	9.279	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	133086	9.351	ng		98
60) Diethylphthalate	15.239	149	426265	9.387	ng		100
61) 4-Chlorophenyl-phenyle...	15.463	204	232768	8.992	ng		94
62) 4-Nitroaniline	15.480	138	82838	8.354	ng		95
63) Azobenzene	15.757	77	364112	9.366	ng		98
65) 4,6-Dinitro-2-methylph...	15.545	198	60497	7.490	ng		92
66) n-Nitrosodiphenylamine	15.674	169	370438	9.657	ng		98
67) 4-Bromophenyl-phenylether	16.357	248	135983	9.139	ng		99
68) Hexachlorobenzene	16.474	284	160142	9.383	ng		95
69) Atrazine	16.627	200	113289	11.391	ng		99
70) Pentachlorophenol	16.821	266	119030	9.473	ng		99
71) Phenanthrene	17.204	178	660141	9.394	ng		100
72) Anthracene	17.298	178	643575	9.294	ng		100
73) Carbazole	17.568	167	610225	9.356	ng		100
74) Di-n-butylphthalate	18.133	149	717993	9.557	ng		99
75) Fluoranthene	19.221	202	772987	8.947	ng		98
77) Benzidine	19.404	184	162949	9.814	ng		98
78) Pyrene	19.586	202	800964	9.286	ng		100
80) Butylbenzylphthalate	20.486	149	312899	9.654	ng		99
81) Benzo(a)anthracene	21.386	228	767126	9.223	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	281424	8.960	ng		98
83) Chrysene	21.445	228	734074	9.283	ng		100
84) Bis(2-ethylhexyl)phtha...	21.309	149	467613	9.903	ng		99
85) Di-n-octyl phthalate	22.445	149	805410	9.750	ng		100
87) Indeno(1,2,3-cd)pyrene	27.785	276	931006	9.177	ng		99
88) Benzo(b)fluoranthene	23.456	252	787043	9.055	ng		99
89) Benzo(k)fluoranthene	23.515	252	763407	9.063	ng		99
90) Benzo(a)pyrene	24.262	252	698269	9.142	ng		98
91) Dibenzo(a,h)anthracene	27.844	278	767800	9.188	ng		98
92) Benzo(g,h,i)perylene	28.832	276	802183	9.394	ng		99

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

ICAL Form

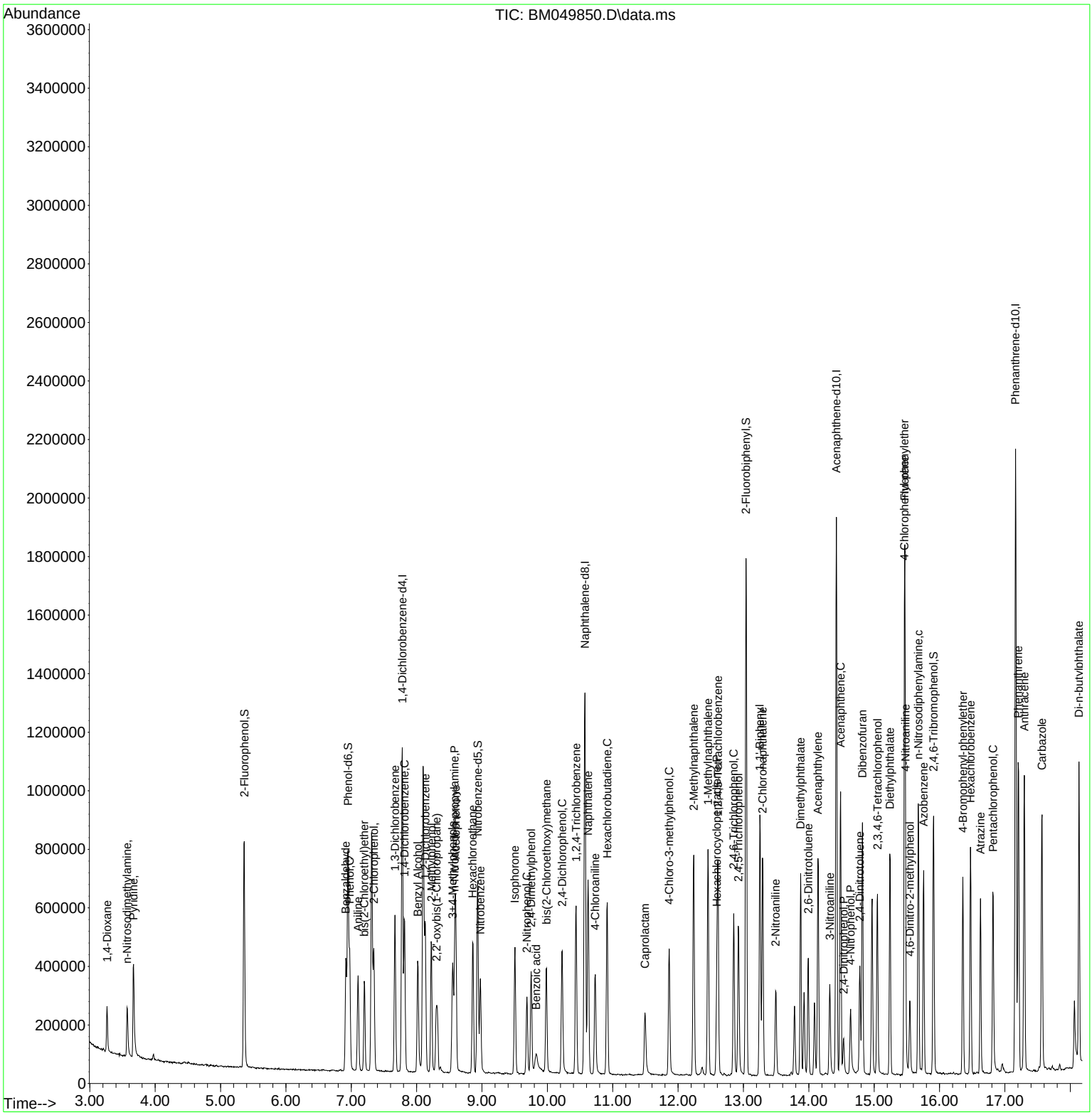
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
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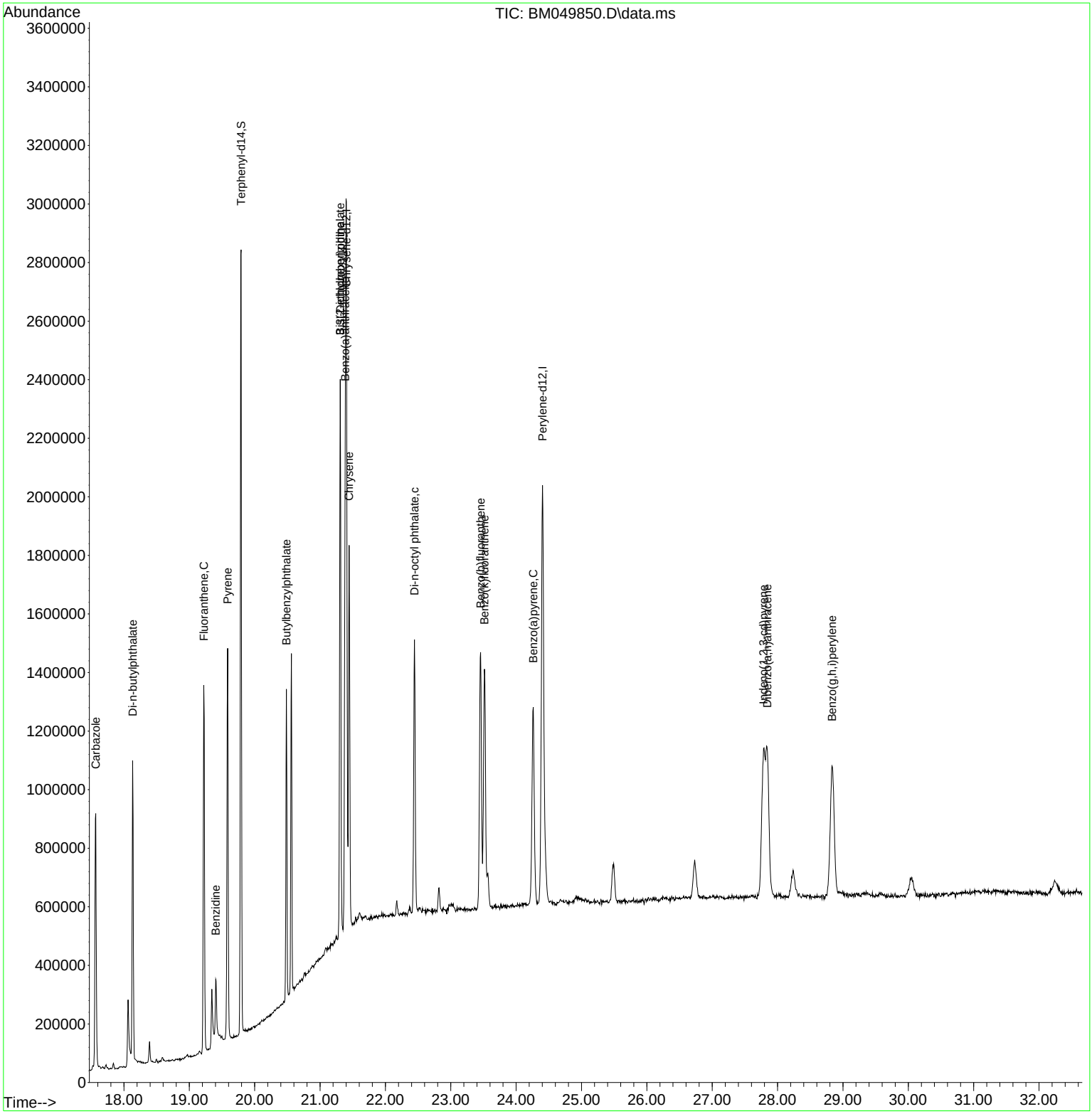
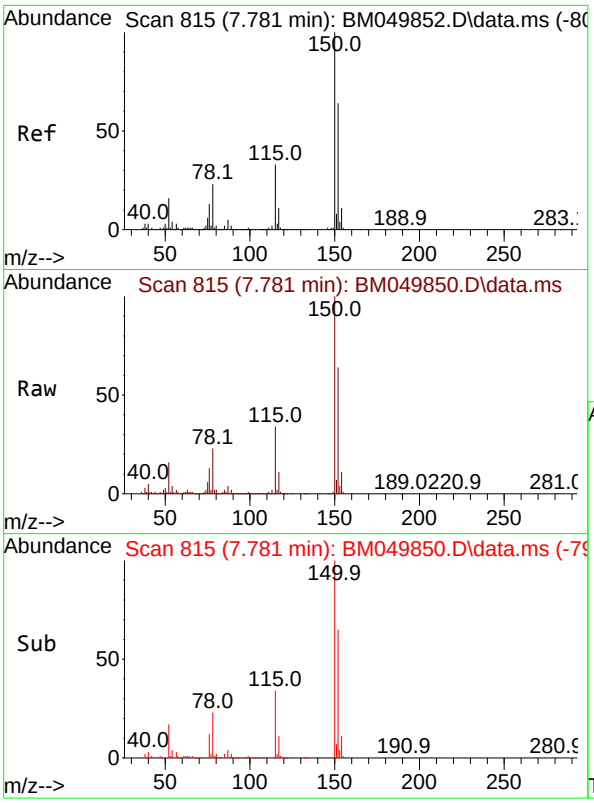
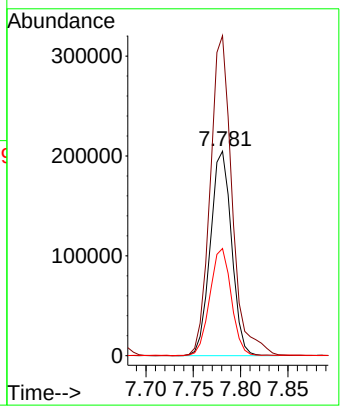




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:152 Resp: 31899

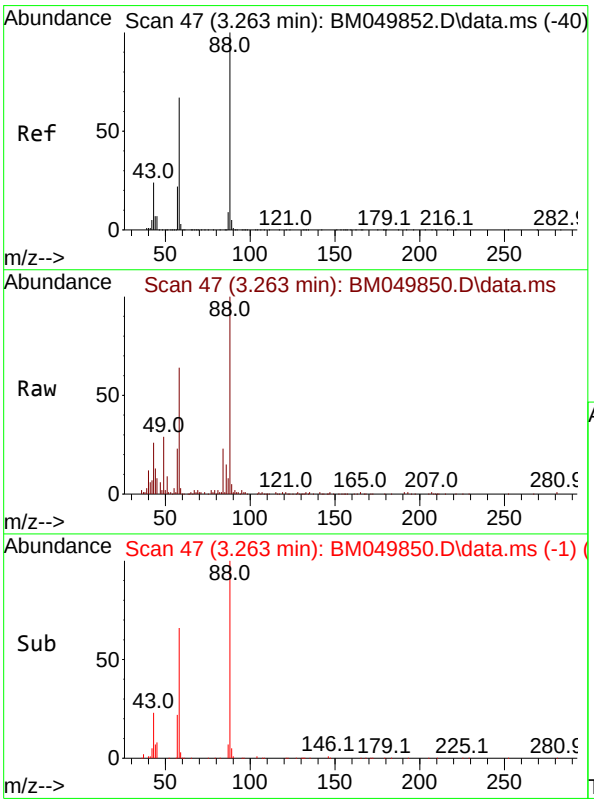
Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	52.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

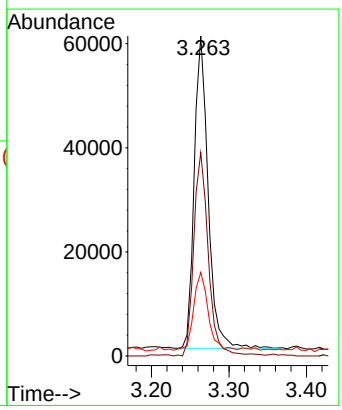
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

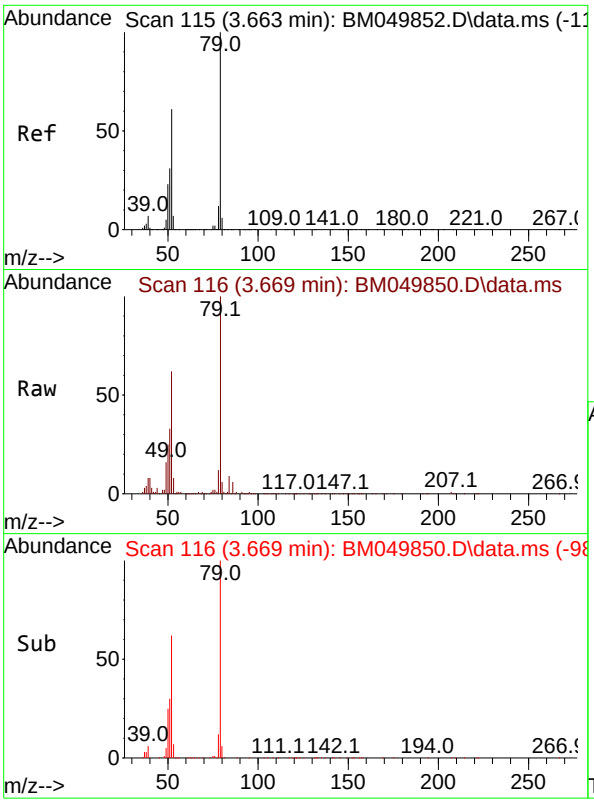


#2
1,4-Dioxane
Concen: 9.687 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 88 Resp: 74941

Ion	Ratio	Lower	Upper
88	100		
58	68.2	54.1	81.1
43	25.7	20.2	30.4

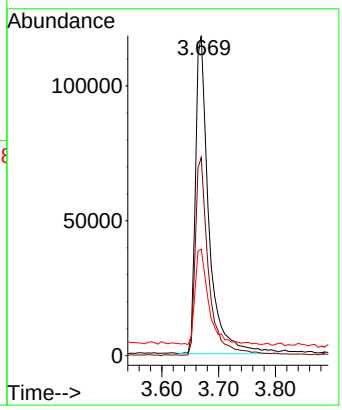




#3
Pyridine
Concen: 9.574 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 79 Resp: 19453(

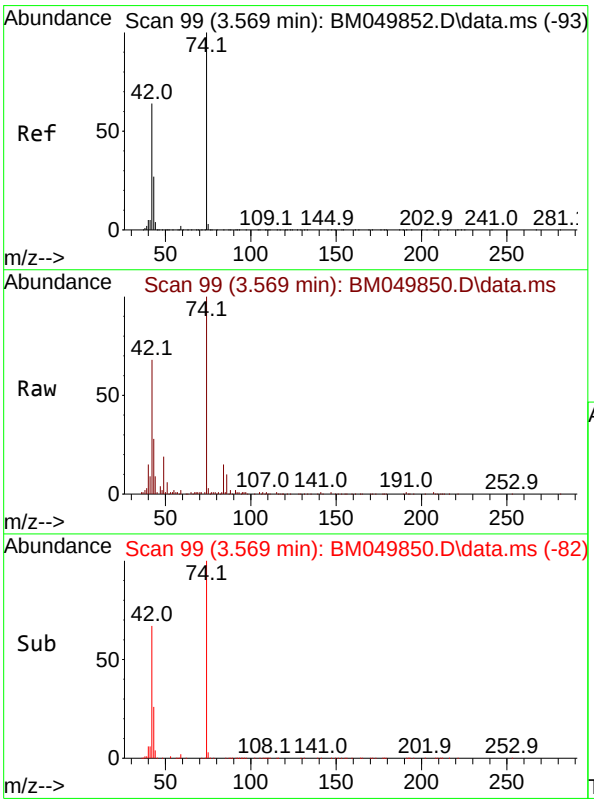
Ion	Ratio	Lower	Upper
79	100		
52	61.9	48.9	73.3
51	33.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

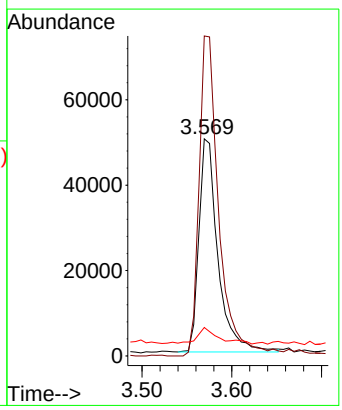
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

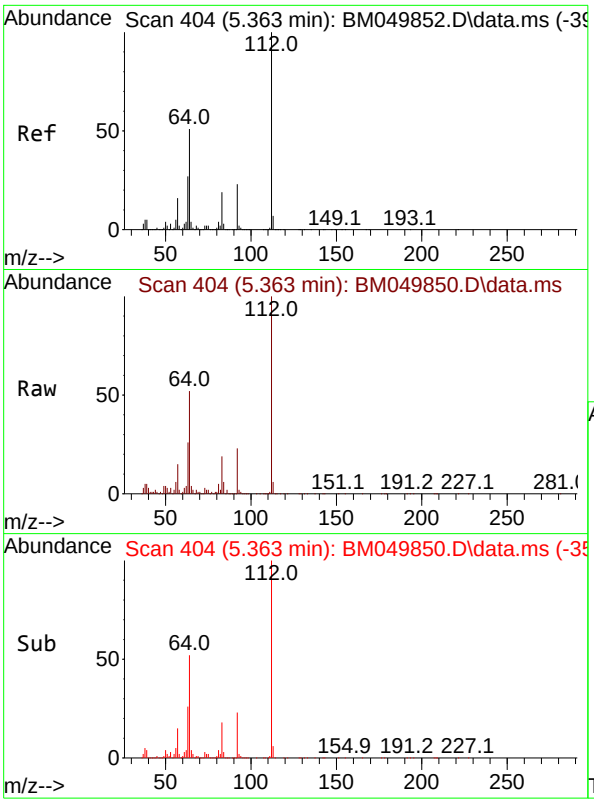


#4
n-Nitrosodimethylamine
Concen: 9.503 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 42 Resp: 73514

Ion	Ratio	Lower	Upper
42	100		
74	147.4	125.4	188.2
44	13.1	5.9	8.9#





#5
2-Fluorophenol
Concen: 19.426 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

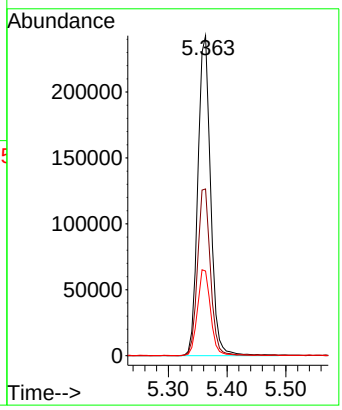
Tgt Ion:112 Resp: 36492

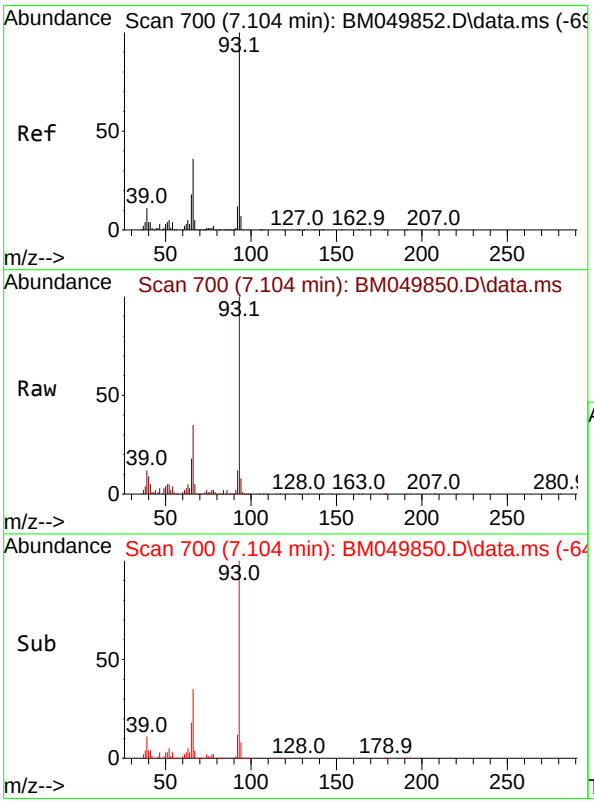
Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.0	61.6
63	26.4	21.5	32.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

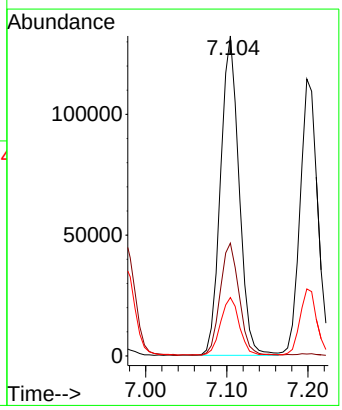


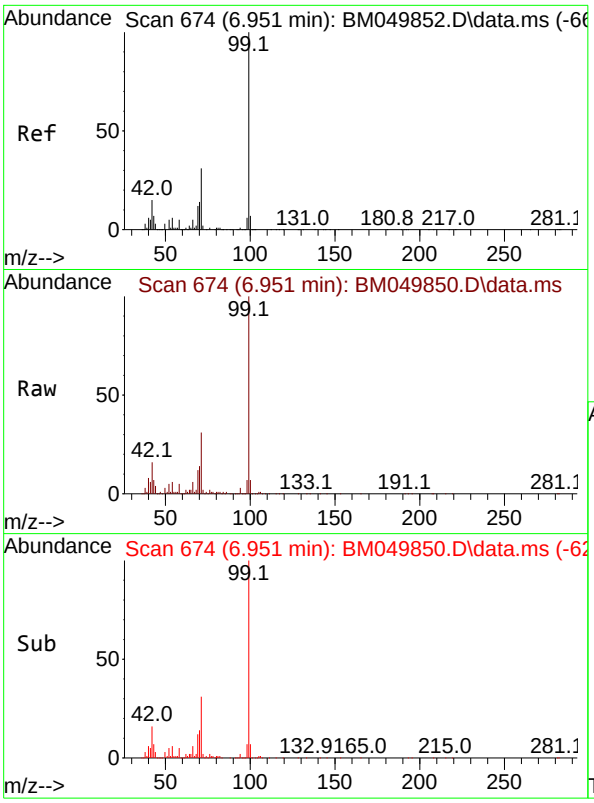


#6
Aniline
Concen: 10.473 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 209739

Ion	Ratio	Lower	Upper
93	100		
66	35.2	29.1	43.7
65	18.2	14.9	22.3

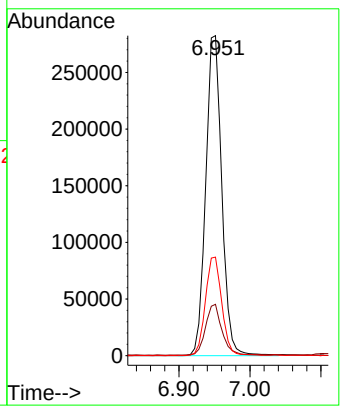




#7
Phenol-d6
Concen: 19.001 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 99 Resp: 44409

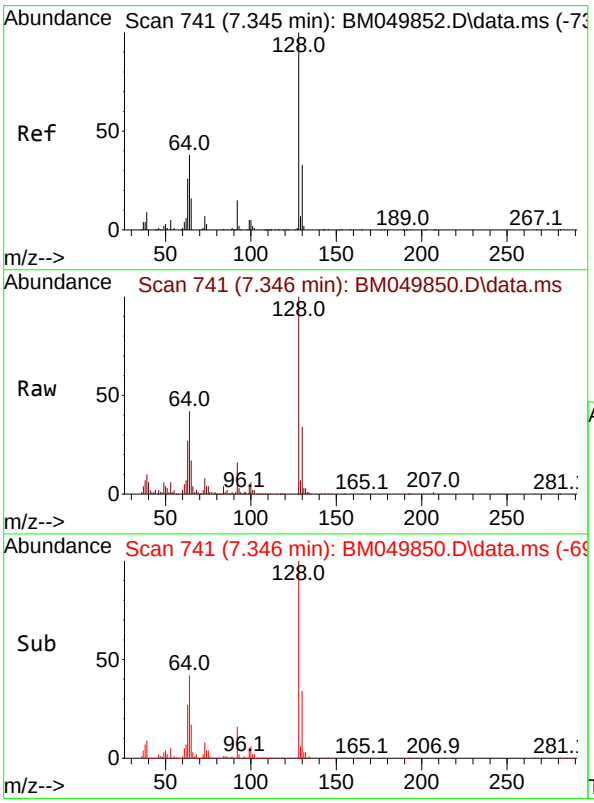
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.1	18.1
71	30.8	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

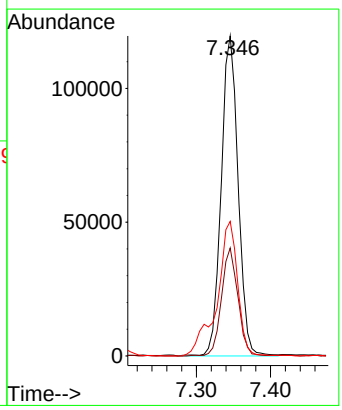
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

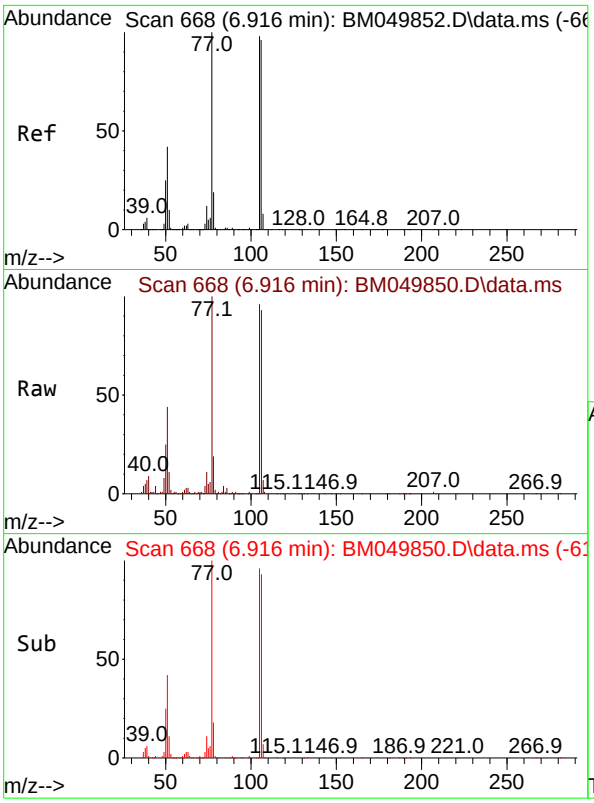


#8
2-Chlorophenol
Concen: 9.867 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:128 Resp: 189954

Ion	Ratio	Lower	Upper
128	100		
130	33.7	12.6	52.6
64	42.1	21.1	61.1

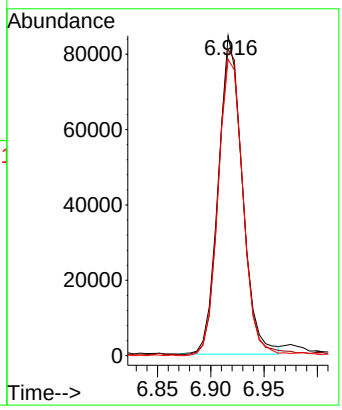




#9
Benzaldehyde
Concen: 11.041 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 13231

Ion	Ratio	Lower	Upper
77	100		
105	95.7	78.3	118.3
106	92.6	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
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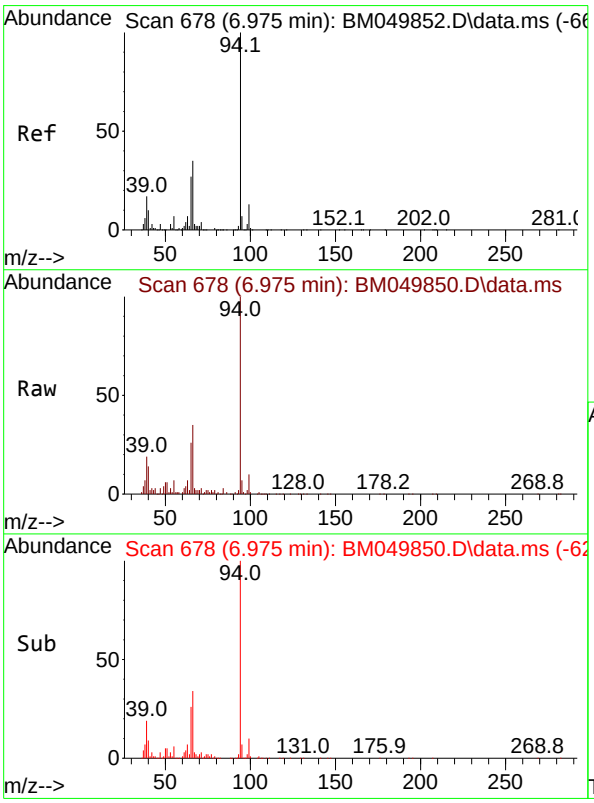
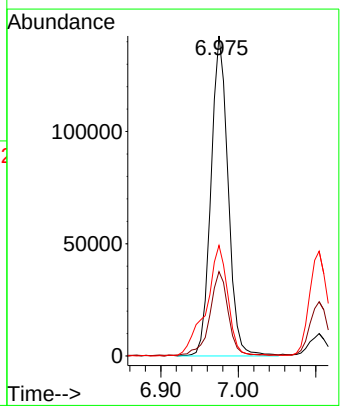
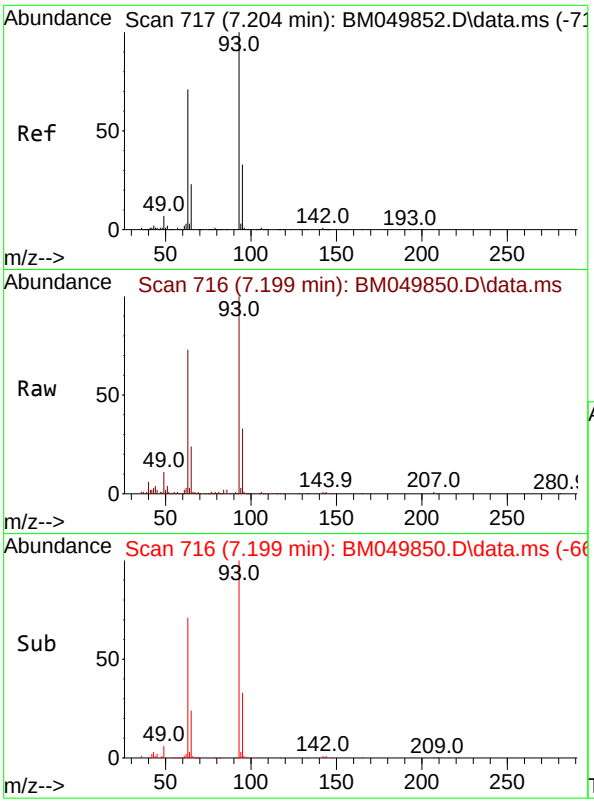


#10
Phenol
Concen: 9.579 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 94 Resp: 218482

Ion	Ratio	Lower	Upper
94	100		
65	26.3	7.3	47.3
66	34.6	14.8	54.8

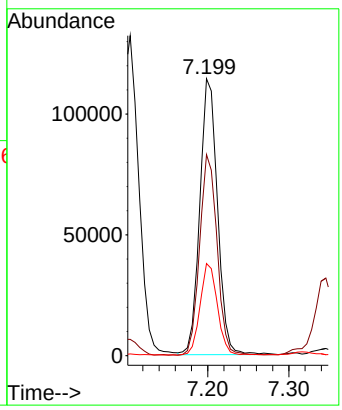




#11
bis(2-Chloroethyl)ether
Concen: 9.669 ng
RT: 7.199 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 17295

Ion	Ratio	Lower	Upper
93	100		
63	72.6	50.9	90.9
95	33.3	12.6	52.6



Instrument :
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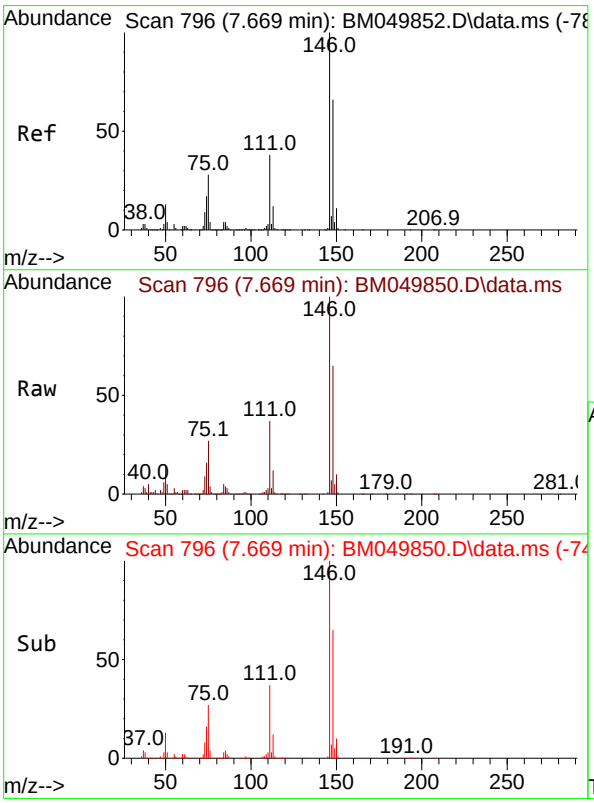
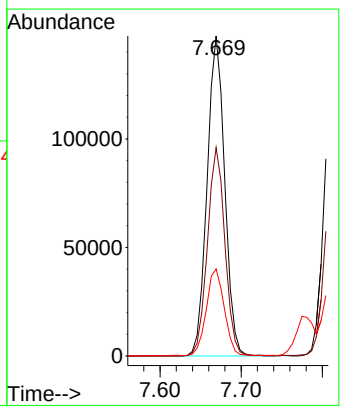
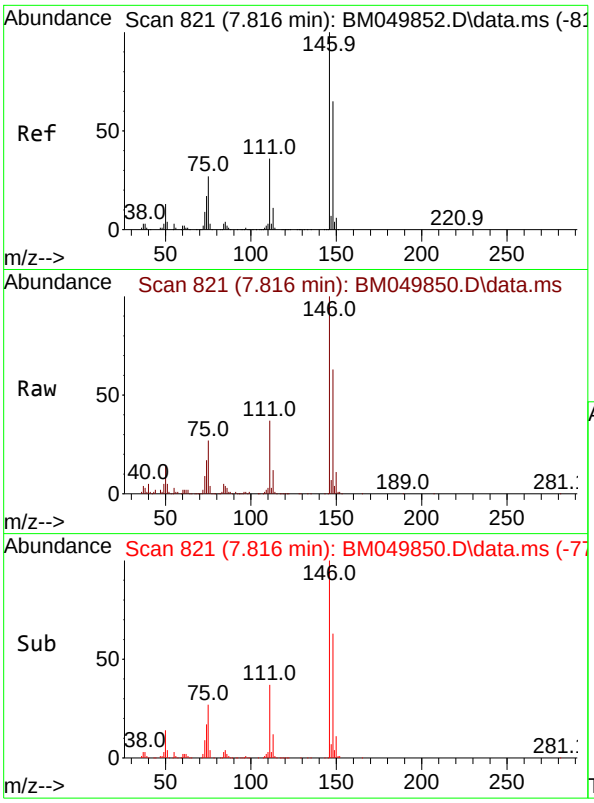


#12
1,3-Dichlorobenzene
Concen: 9.749 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 221893

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.5	78.7
75	27.2	22.5	33.7

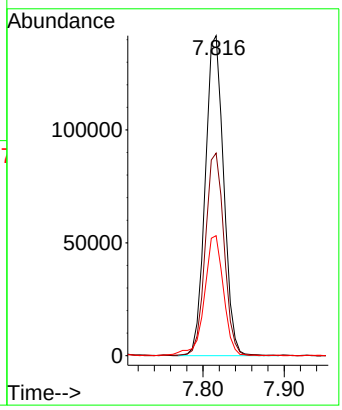




#13
1,4-Dichlorobenzene
Concen: 9.740 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 22306

Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.4	78.6
111	37.5	28.5	42.7



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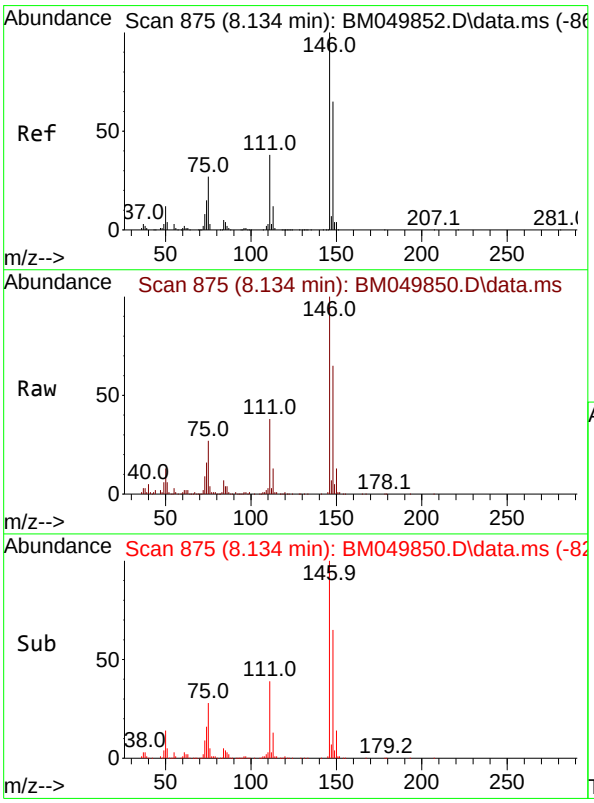
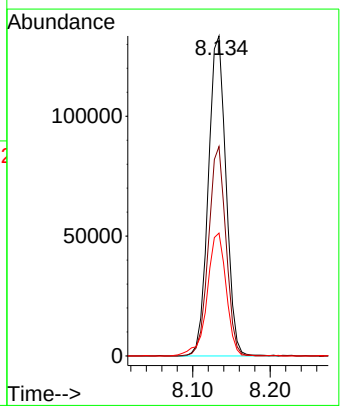
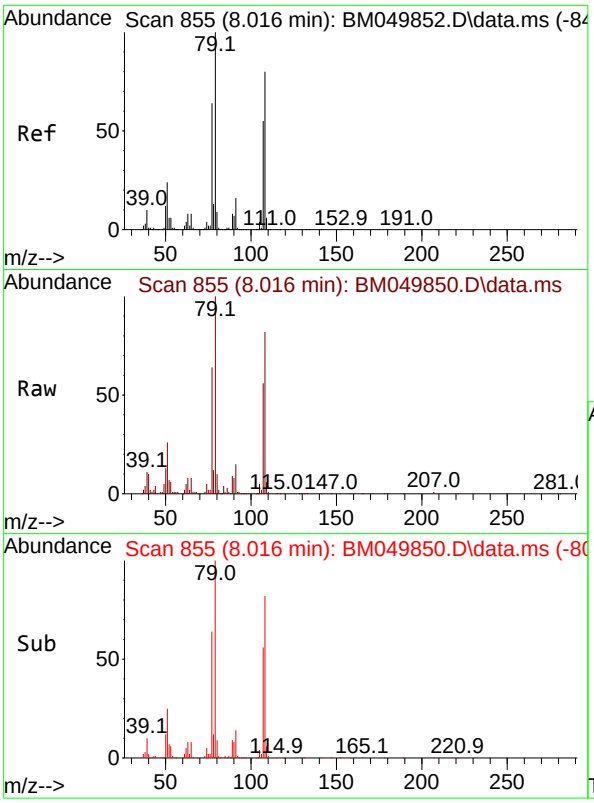


#14
1,2-Dichlorobenzene
Concen: 9.800 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 211403

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.8	77.8
111	38.4	30.2	45.4





#15
Benzyl Alcohol
Concen: 9.285 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 79 Resp: 13665

Ion	Ratio	Lower	Upper
79	100		
108	82.0	63.6	95.4
77	64.0	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
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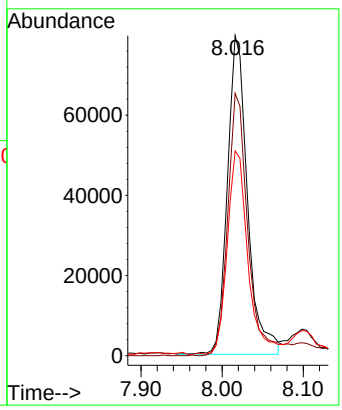
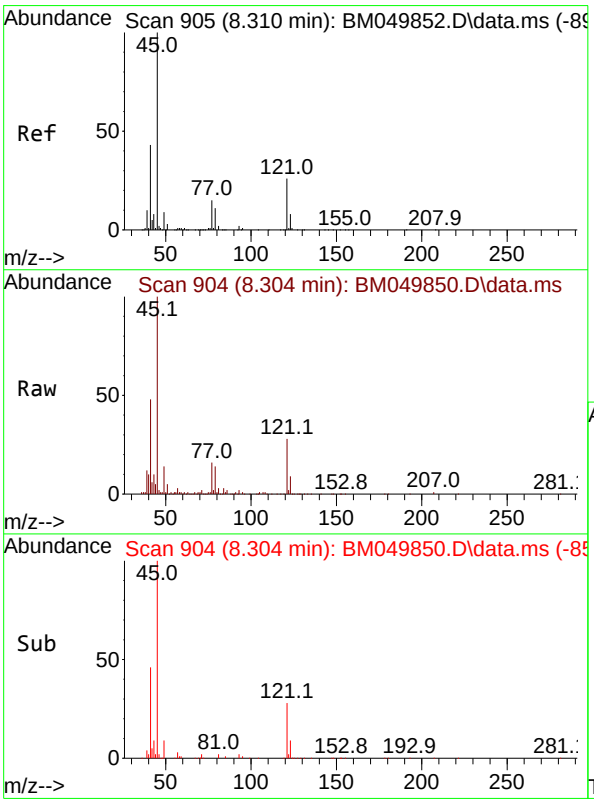
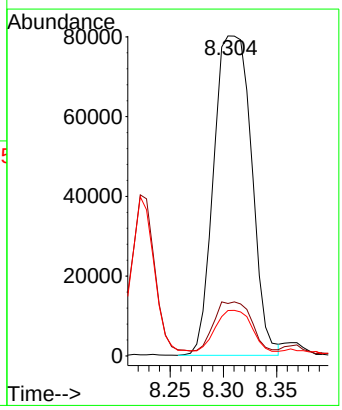


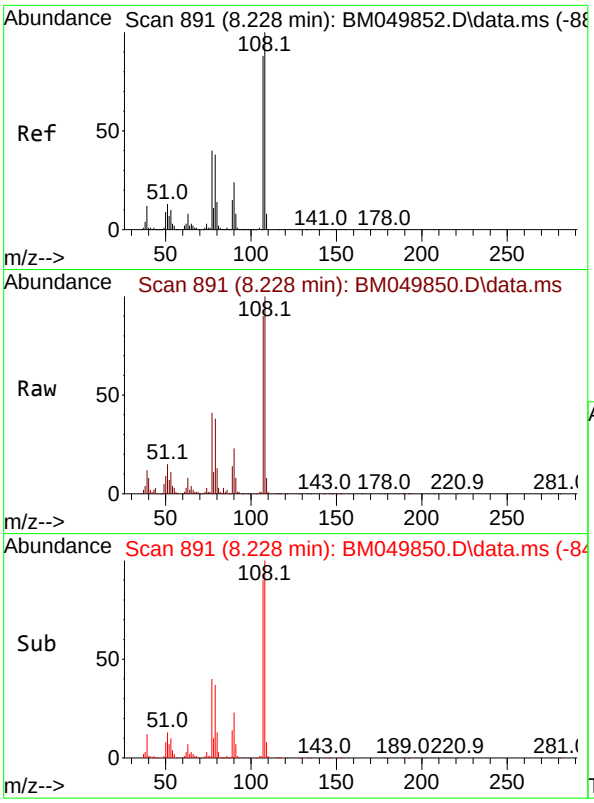


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.884 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 45 Resp: 197037

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.9
79	14.2	0.0	32.9

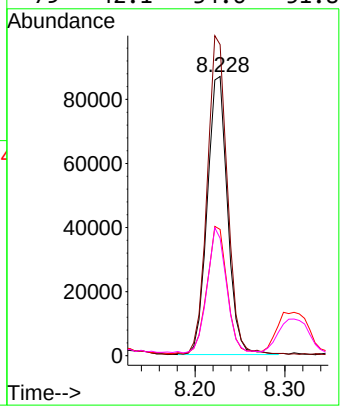




#17
2-Methylphenol
Concen: 9.709 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 13646

Ion	Ratio	Lower	Upper
107	100		
108	111.4	91.0	136.6
77	45.2	36.5	54.7
79	42.1	34.6	51.8



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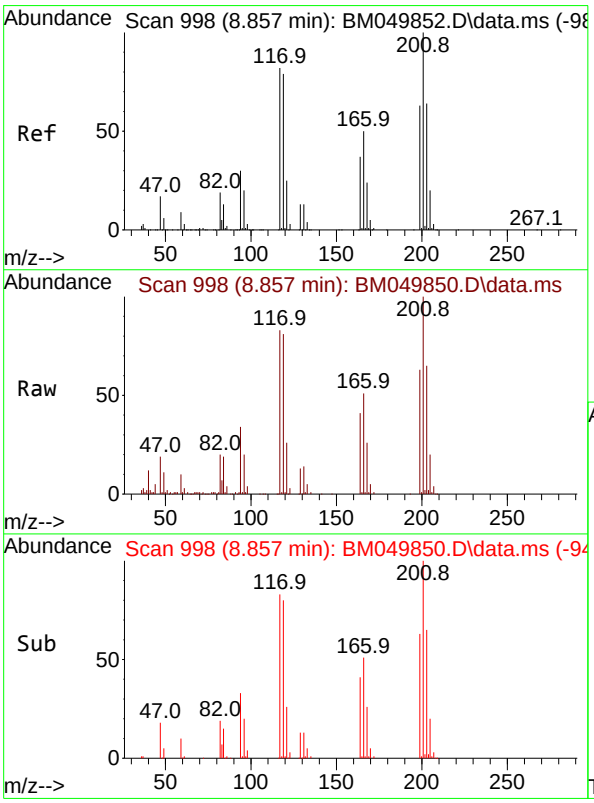
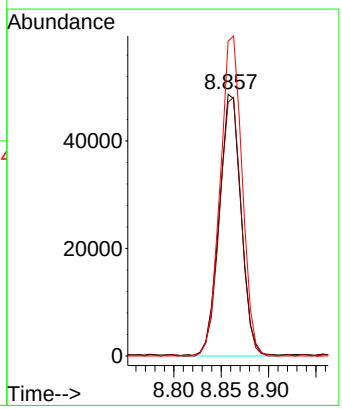
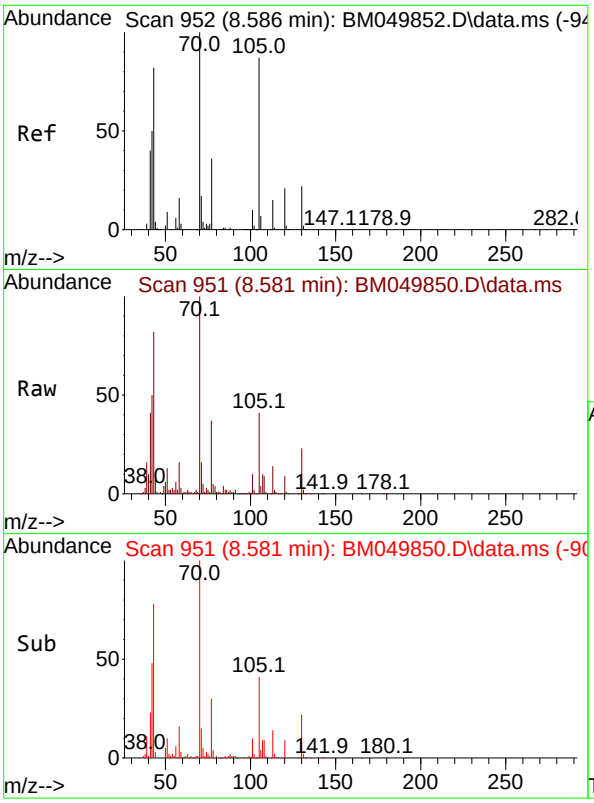


#18
Hexachloroethane
Concen: 9.888 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:117 Resp: 78782

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	120.3	97.7	146.5

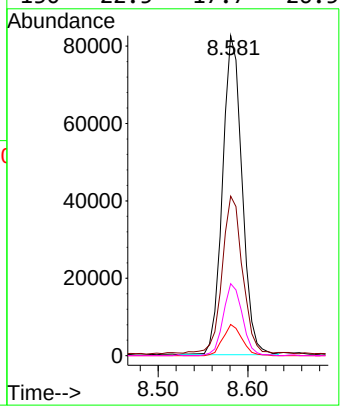




#19
n-Nitroso-di-n-propylamine
Concen: 9.644 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 70 Resp: 12484

Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.2	60.2
101	9.7	7.9	11.9
130	22.5	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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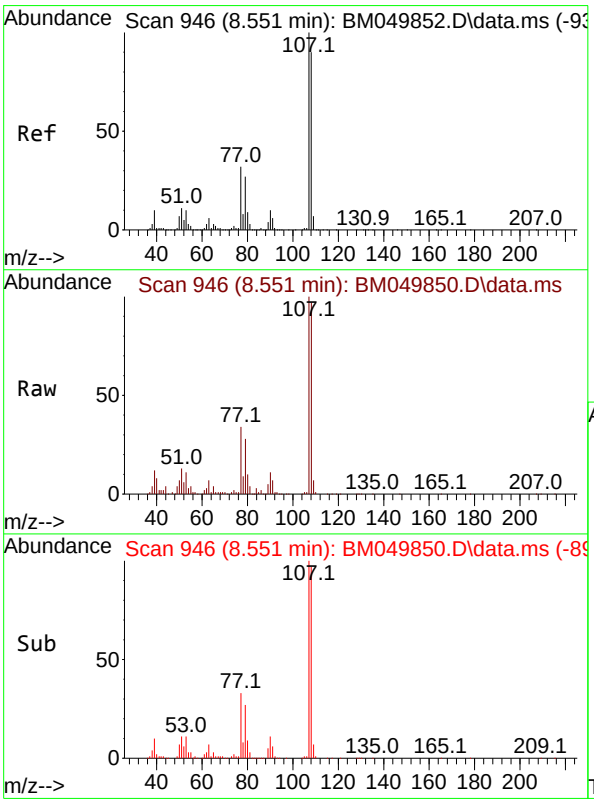
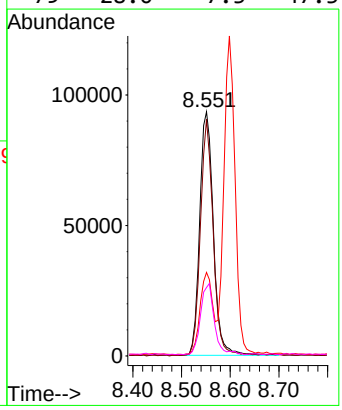
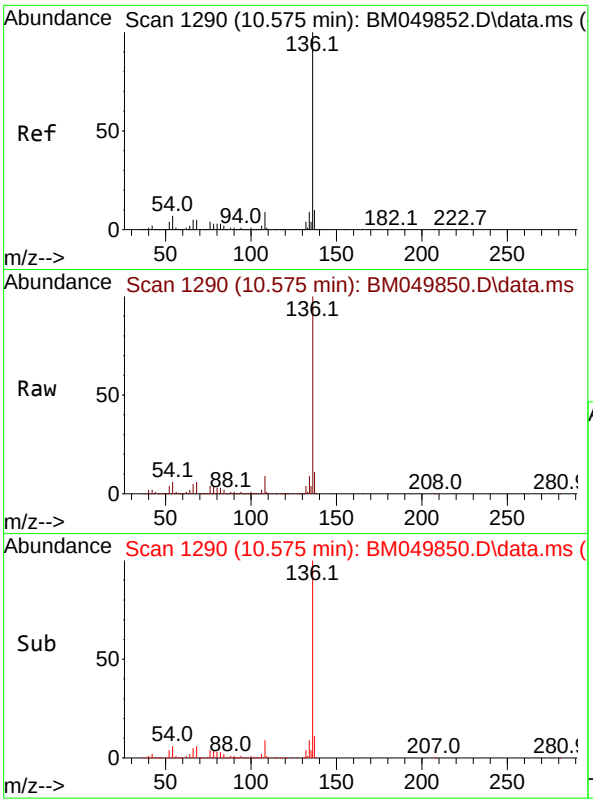


#20
3+4-Methylphenols
Concen: 9.506 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 182163

Ion	Ratio	Lower	Upper
107	100		
108	96.8	69.6	109.6
77	34.2	11.7	51.7
79	28.0	7.3	47.3

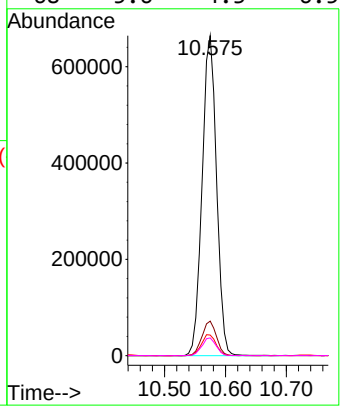




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:136 Resp: 109161

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.5	5.3	7.9
68	5.6	4.3	6.5



Instrument :
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ClientSampleId :
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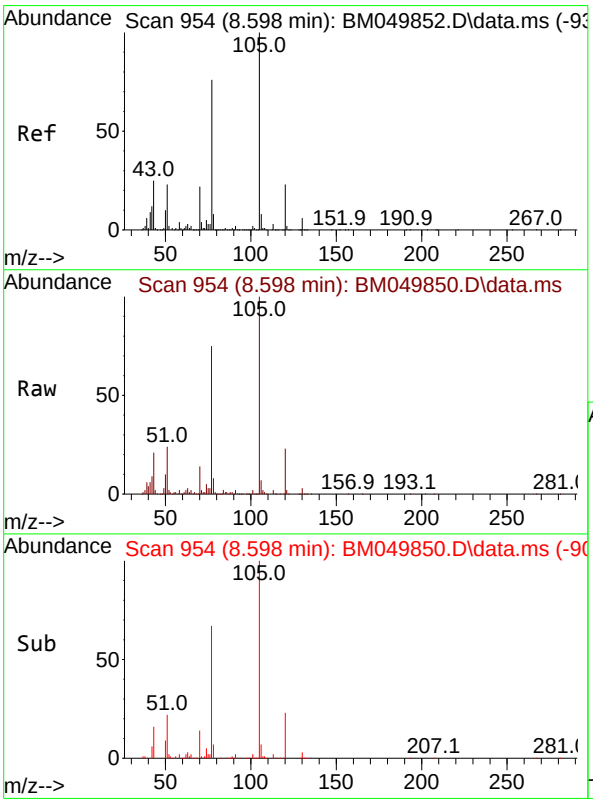
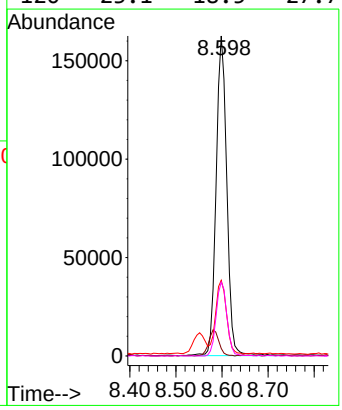
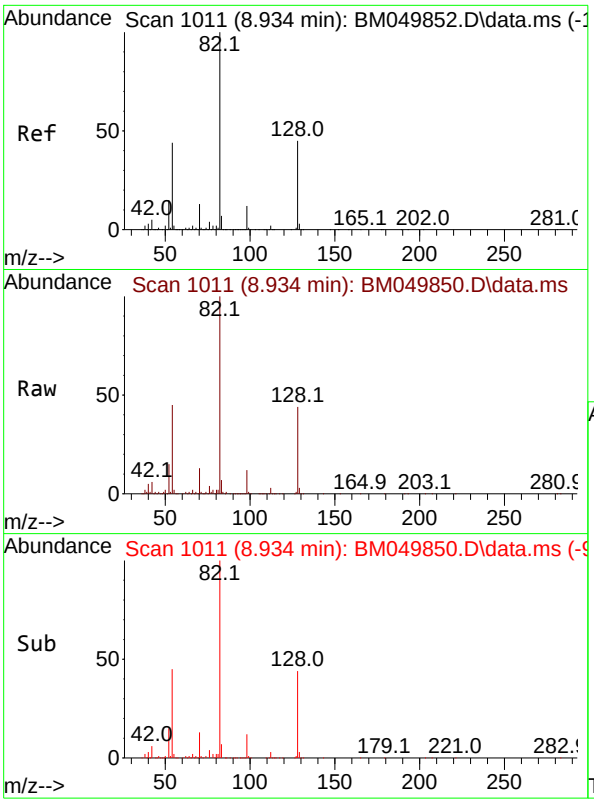


#22
Acetophenone
Concen: 9.821 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:105 Resp: 260553

Ion	Ratio	Lower	Upper
105	100		
71	2.4	3.0	4.4#
51	23.7	18.6	27.8
120	23.1	18.5	27.7





#23
Nitrobenzene-d5
Concen: 19.130 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 82 Resp: 375019

Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.2	54.2
54	45.1	35.0	52.6

Instrument :
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ClientSampleId :
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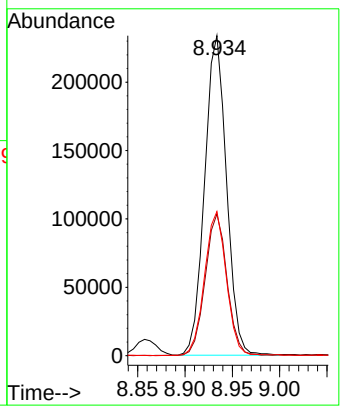
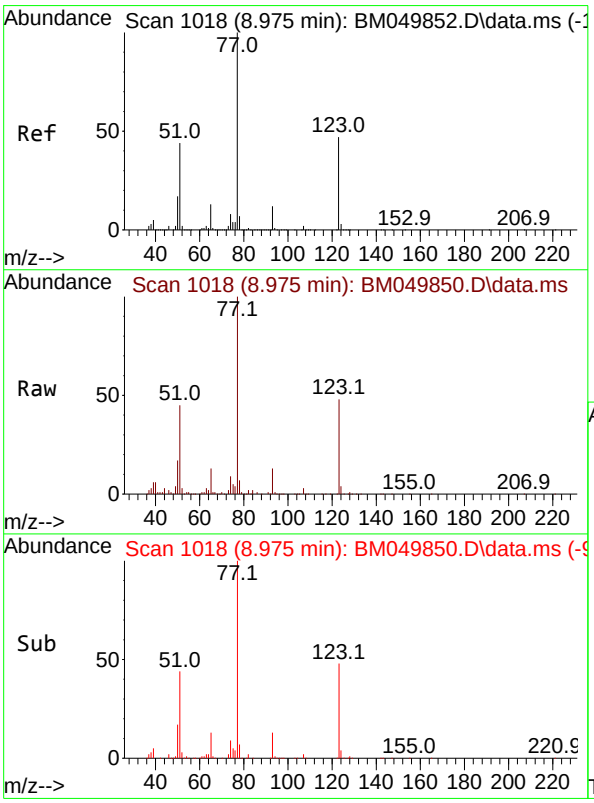
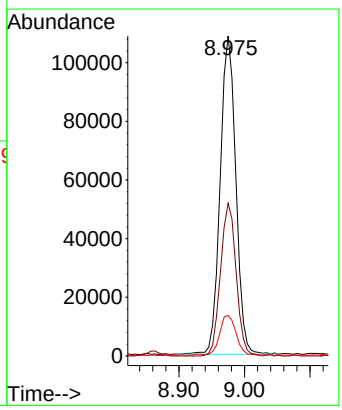


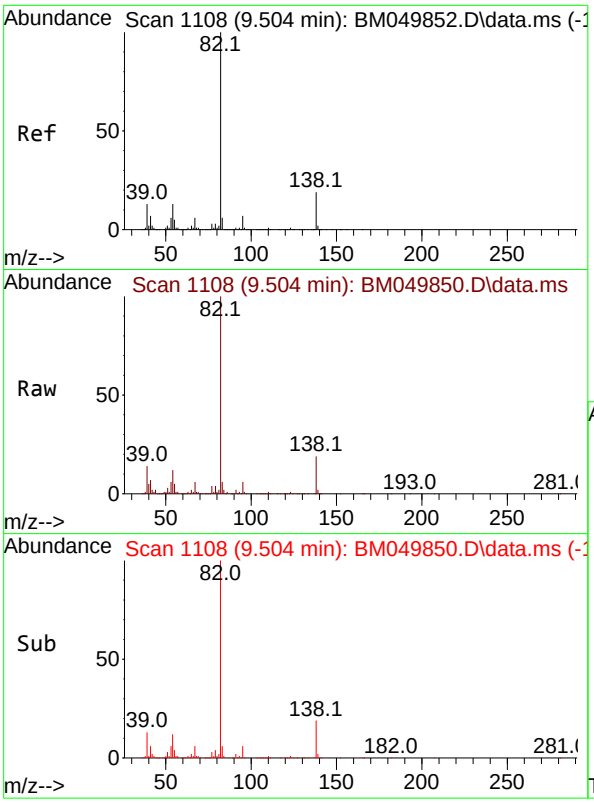


#24
Nitrobenzene
Concen: 9.513 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 179572

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.6	10.1	15.1





#25
Isophorone
Concen: 9.433 ng
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 82 Resp: 30976

Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.4	8.2
138	19.3	15.0	22.6

Instrument :
BNA_M
ClientSampleId :
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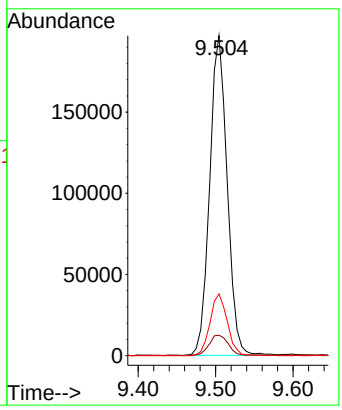
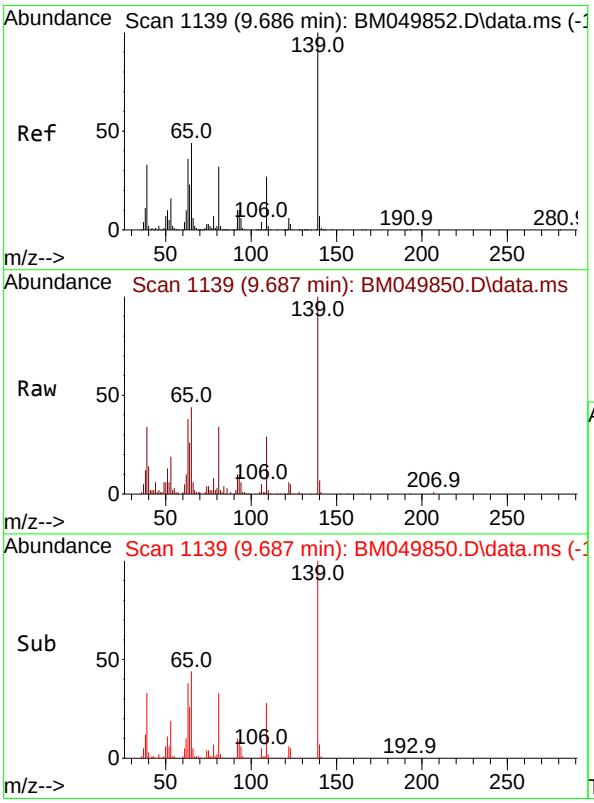
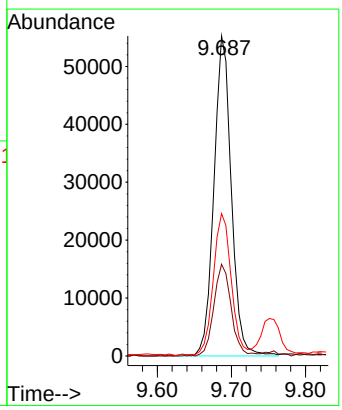


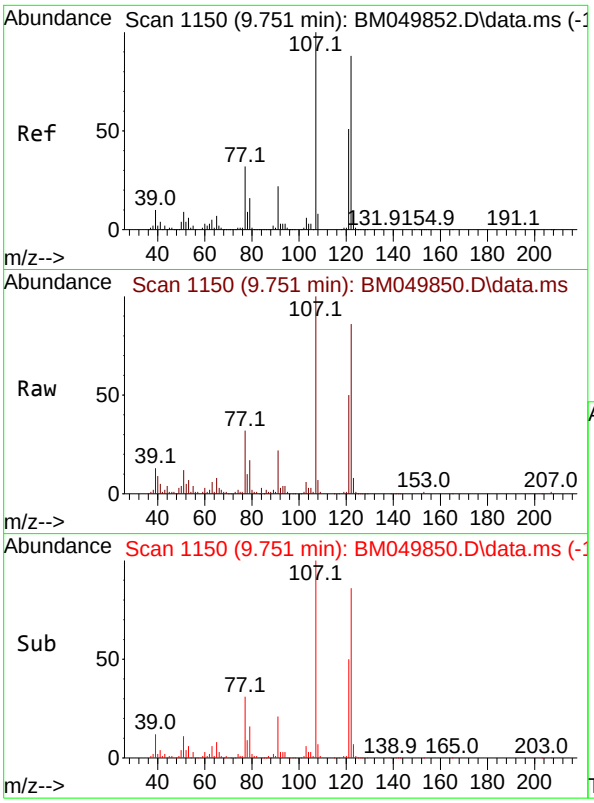


#26
2-Nitrophenol
Concen: 8.996 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:139 Resp: 90001

Ion	Ratio	Lower	Upper
139	100		
109	28.6	21.7	32.5
65	44.5	35.2	52.8

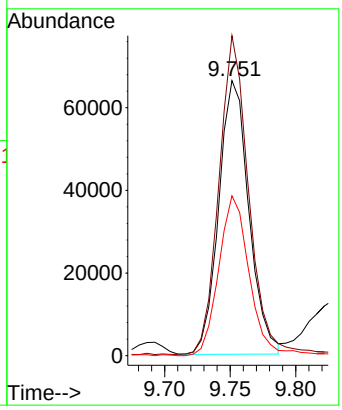




#27
2,4-Dimethylphenol
Concen: 9.341 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:122 Resp: 10590

Ion	Ratio	Lower	Upper
122	100		
107	116.4	90.3	135.5
121	58.1	46.1	69.1



Instrument :
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ClientSampleId :
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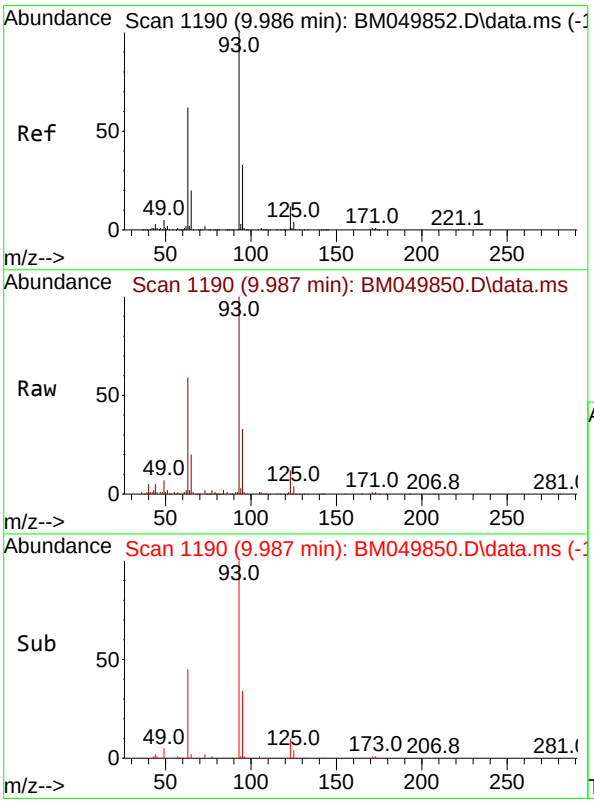
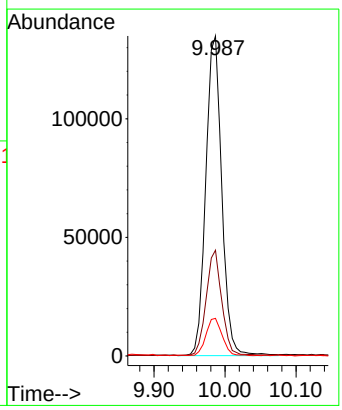
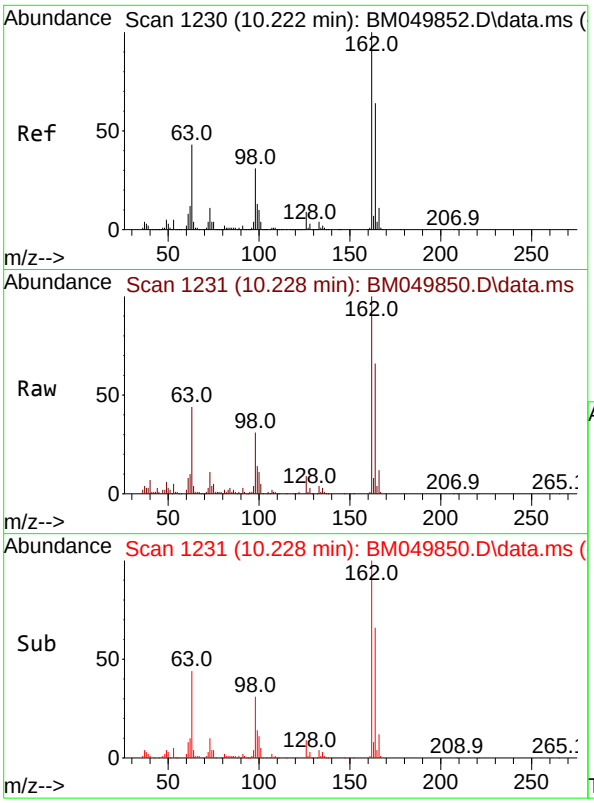


#28
bis(2-Chloroethoxy)methane
Concen: 9.587 ng
RT: 9.987 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 210772

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.6	40.0
123	11.7	9.5	14.3

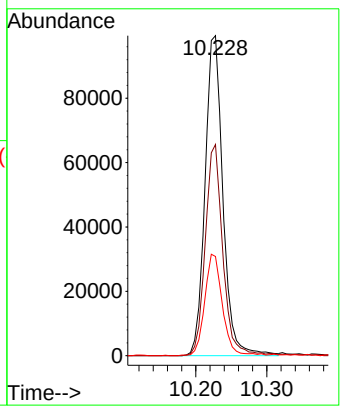




#29
2,4-Dichlorophenol
Concen: 9.254 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:162 Resp: 17440

Ion	Ratio	Lower	Upper
162	100		
164	66.0	44.3	84.3
98	31.0	10.9	50.9



Instrument :
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ClientSampleId :
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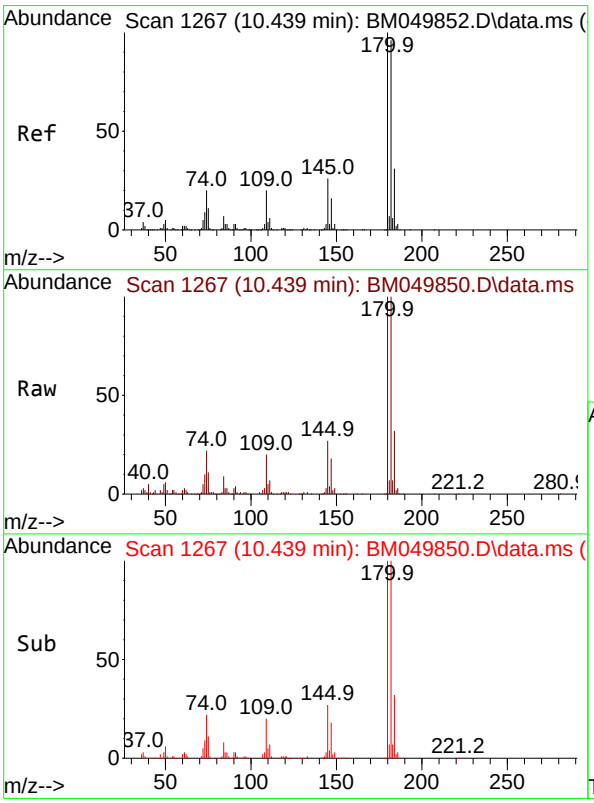
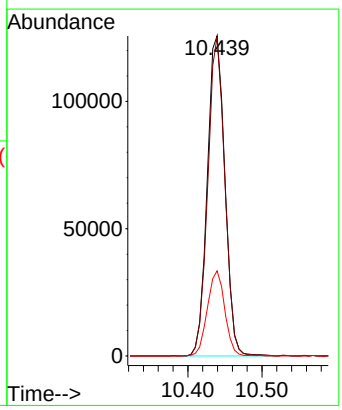
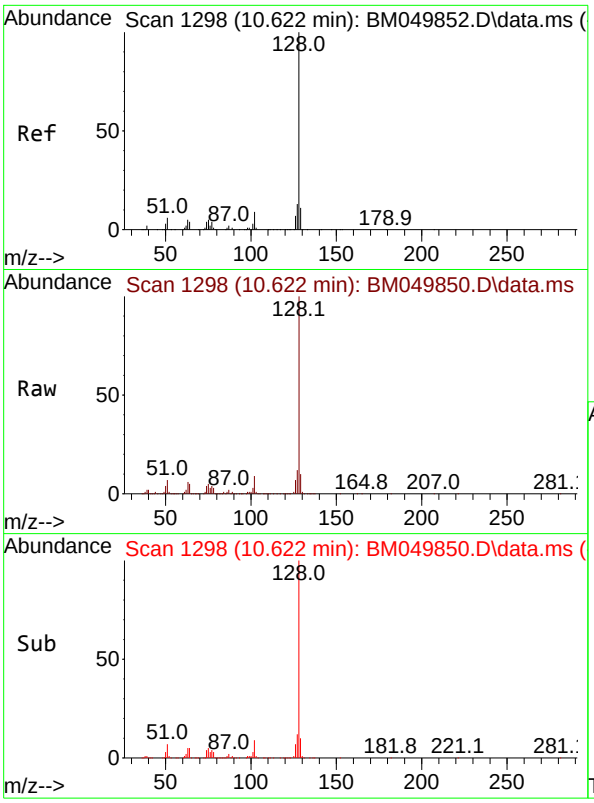


#30
1,2,4-Trichlorobenzene
Concen: 9.518 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:180 Resp: 207530

Ion	Ratio	Lower	Upper
180	100		
182	99.6	76.7	115.1
145	26.6	20.8	31.2

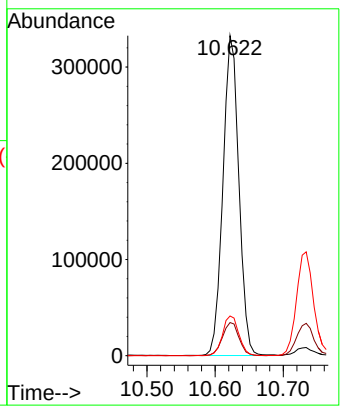




#31
Naphthalene
Concen: 9.630 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:128 Resp: 54014

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.4	10.6	15.8



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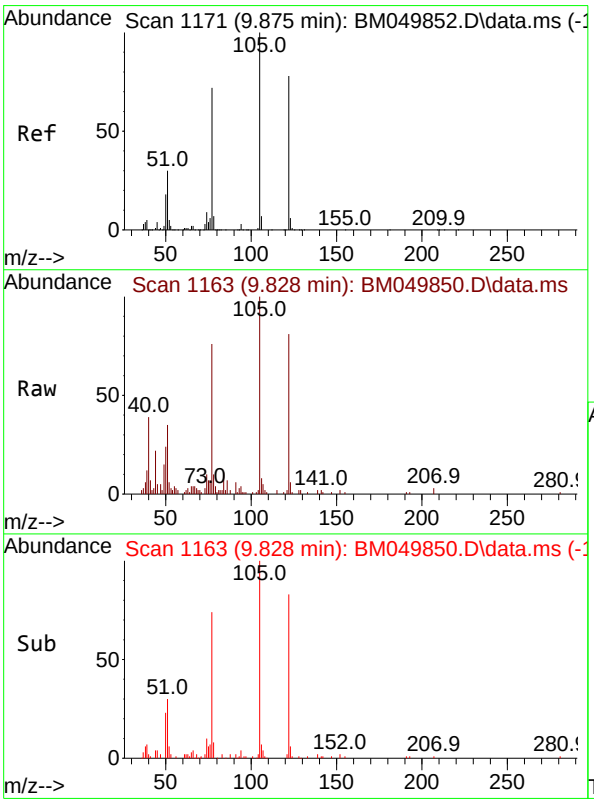
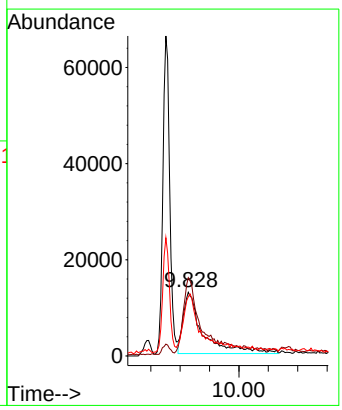
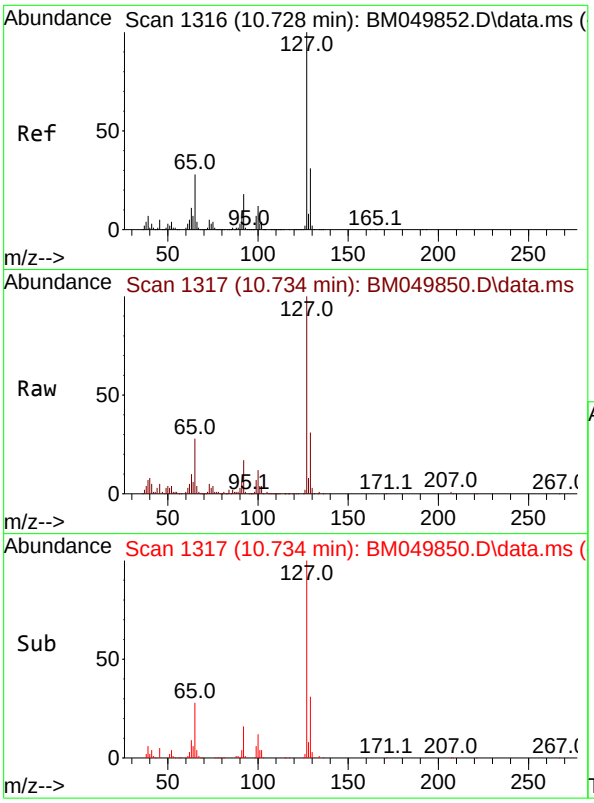


#32
Benzoic acid
Concen: 12.140 ng m
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:122 Resp: 59585

Ion	Ratio	Lower	Upper
122	100		
105	122.7	103.8	143.8
77	93.1	70.7	110.7

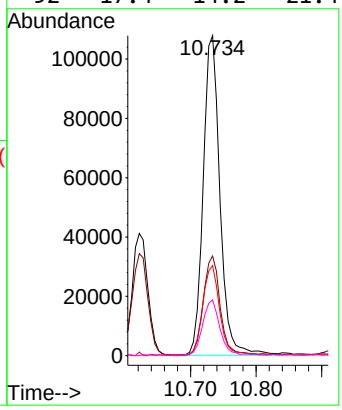




#33
4-Chloroaniline
Concen: 9.676 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:127 Resp: 19165

Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	28.2	22.4	33.6
92	17.4	14.2	21.4



Instrument :
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ClientSampleId :
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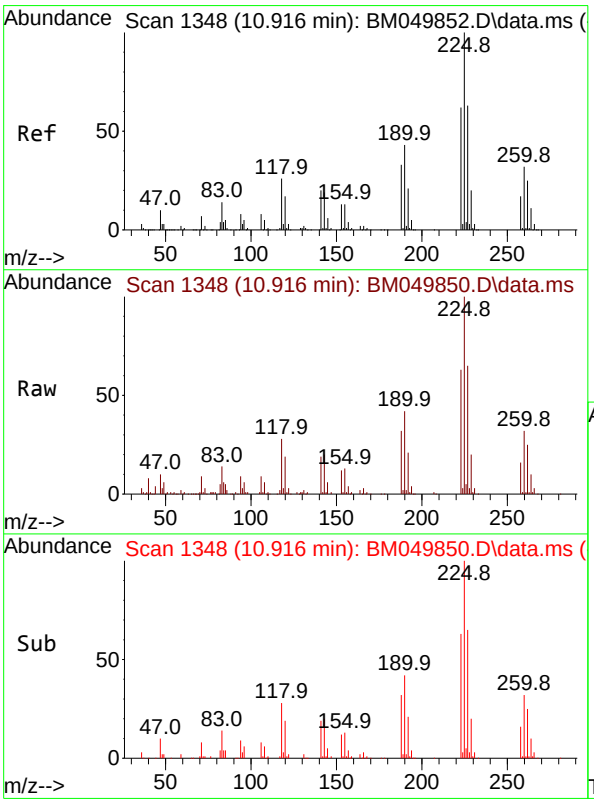
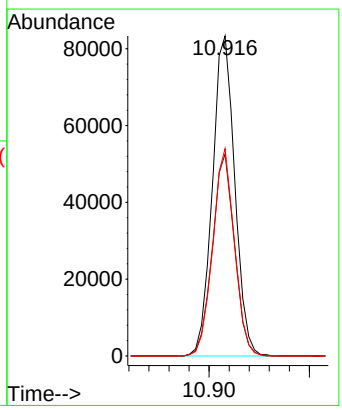
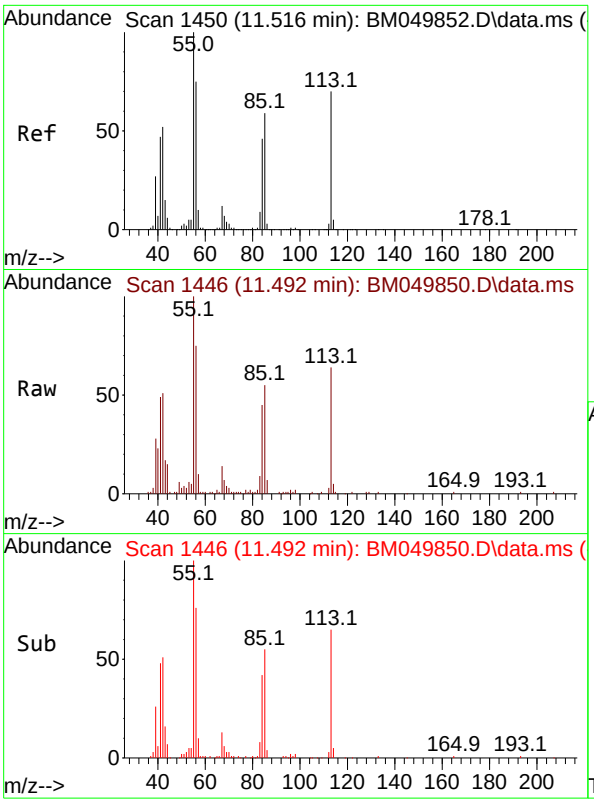


#34
Hexachlorobutadiene
Concen: 9.540 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:225 Resp: 128662

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	64.8	50.1	75.1





#35
Caprolactam
Concen: 8.944 ng
RT: 11.492 min Scan# 14
Delta R.T. -0.023 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:113 Resp: 4834

Ion	Ratio	Lower	Upper
113	100		
55	155.7	124.3	164.3
56	117.0	87.5	127.5

Instrument :
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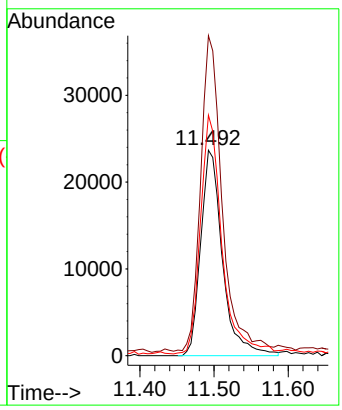
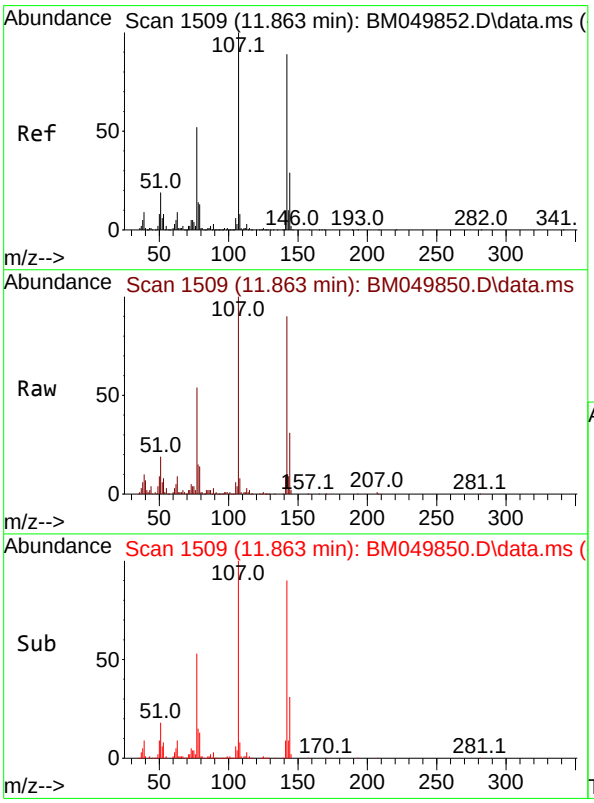
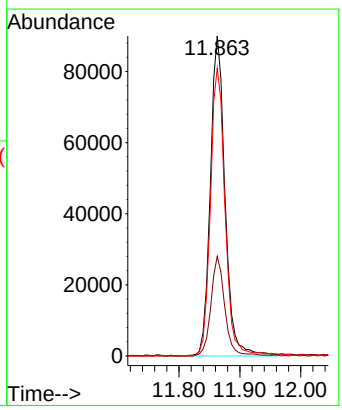


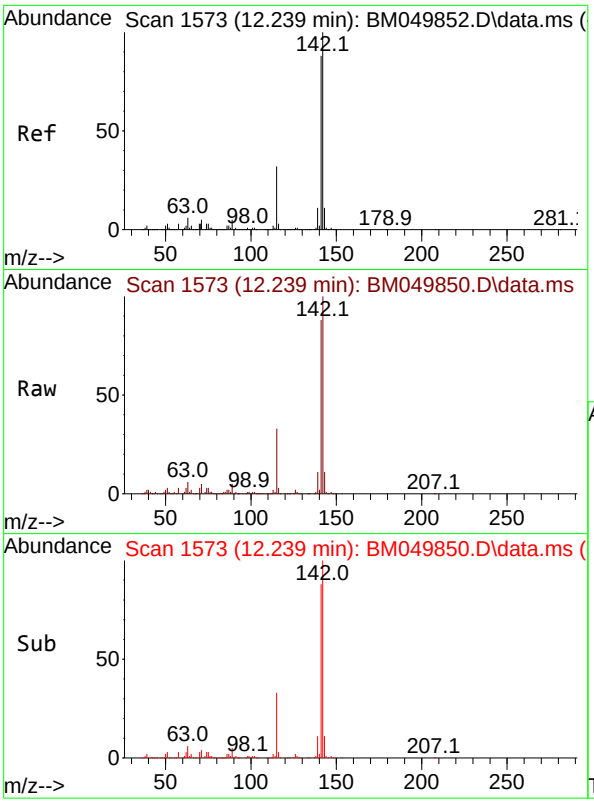


#36
4-Chloro-3-methylphenol
Concen: 9.138 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 150861

Ion	Ratio	Lower	Upper
107	100		
144	31.1	23.6	35.4
142	89.9	71.4	107.0

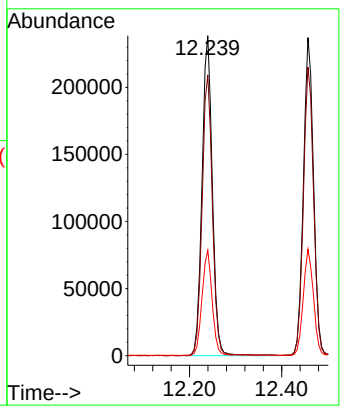




#37
2-Methylnaphthalene
Concen: 9.465 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:142 Resp: 37407

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.2
115	33.0	25.4	38.2



Instrument :
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ClientSampleId :
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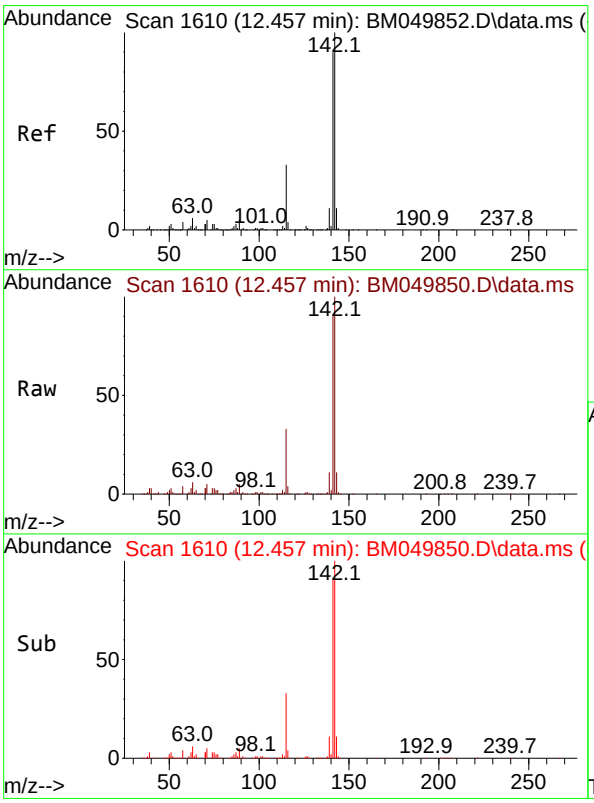
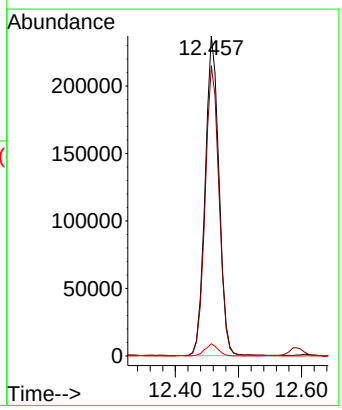
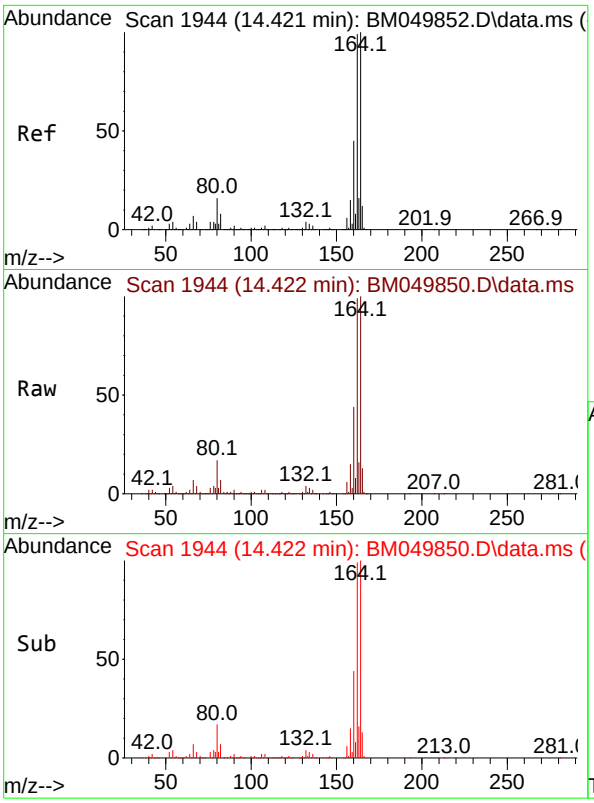


#38
1-Methylnaphthalene
Concen: 9.346 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:142 Resp: 359844

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.2
116	3.8	2.9	4.3

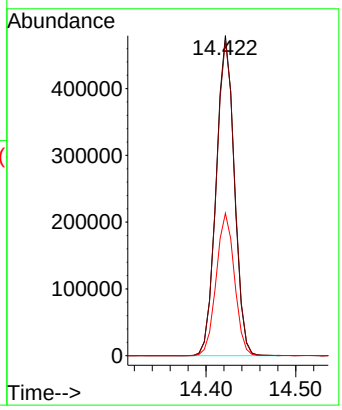




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:164 Resp: 67118

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	44.5	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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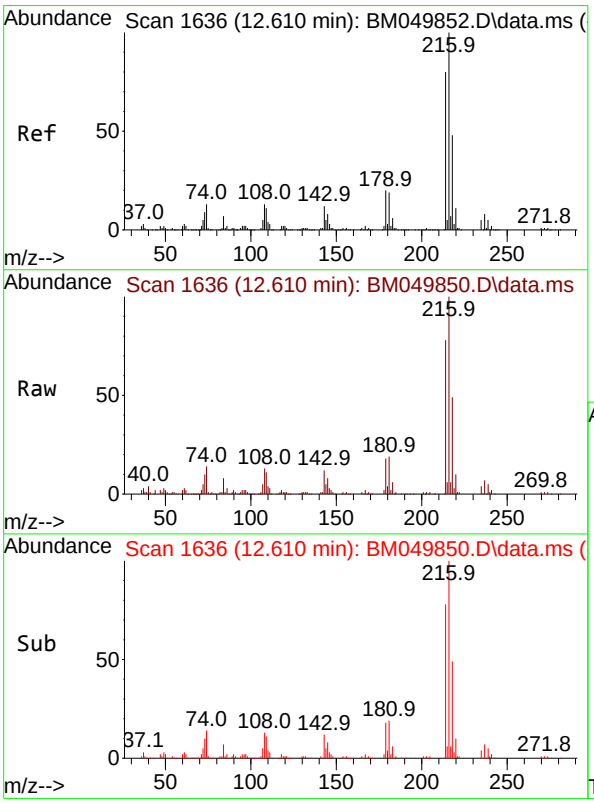
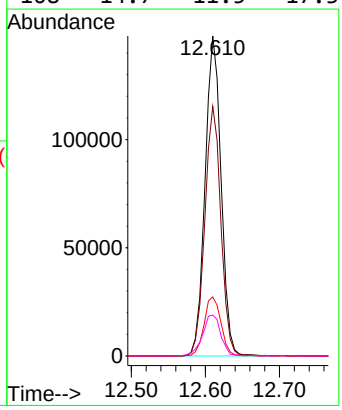
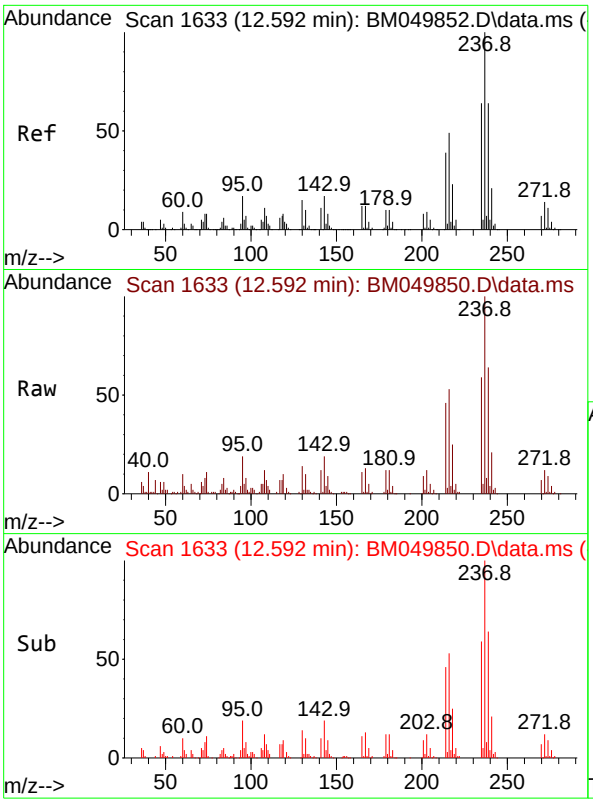


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.458 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:216 Resp: 222088

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.2	94.8
179	19.5	15.8	23.6
108	14.7	11.5	17.3

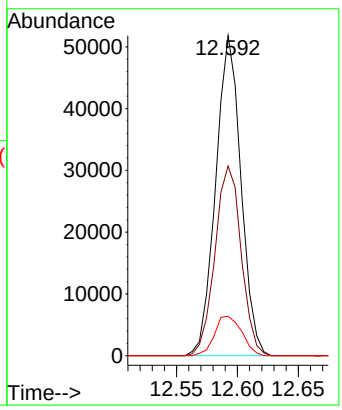




#41
Hexachlorocyclopentadiene
Concen: 9.083 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:237 Resp: 7473

Ion	Ratio	Lower	Upper
237	100		
235	59.2	43.7	83.7
272	12.3	0.0	33.5



Instrument :
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ClientSampleId :
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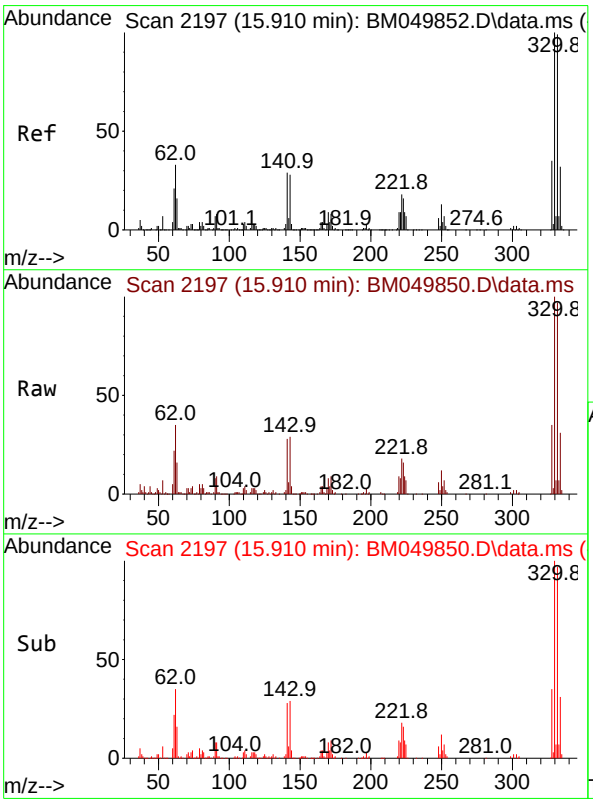
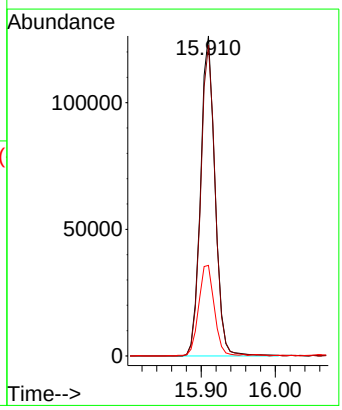
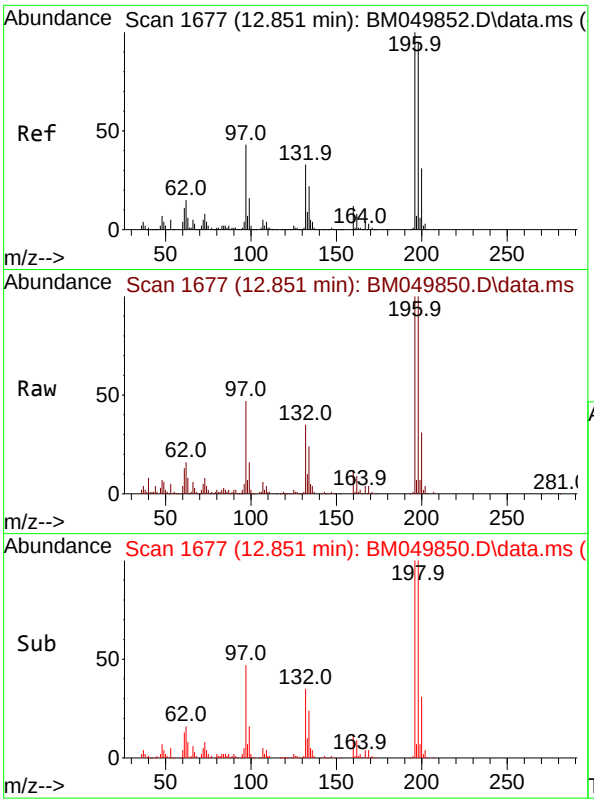


#42
2,4,6-Tribromophenol
Concen: 17.530 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:330 Resp: 171135

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	30.7	23.5	35.3

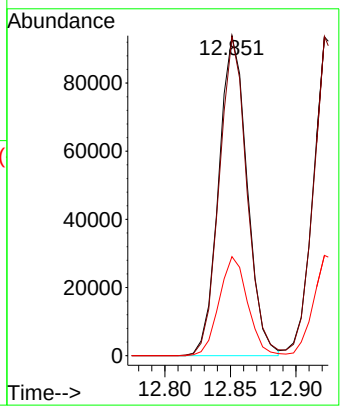




#43
2,4,6-Trichlorophenol
Concen: 9.442 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:196 Resp: 14108

Ion	Ratio	Lower	Upper
196	100		
198	99.7	76.1	114.1
200	31.0	24.7	37.1



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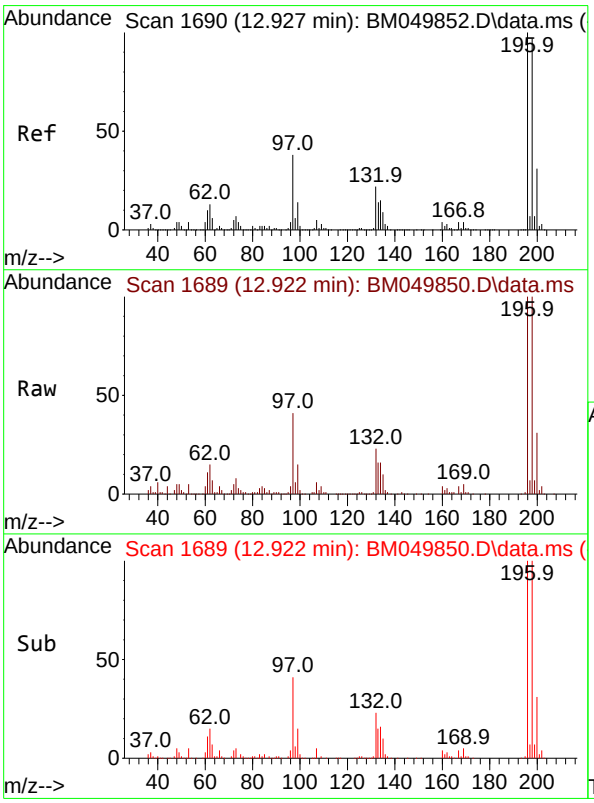
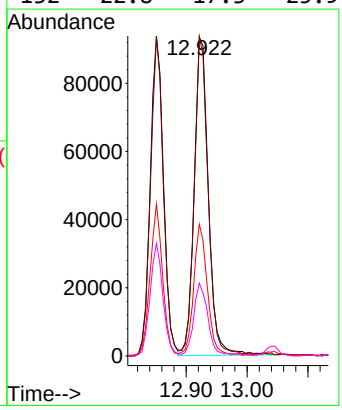
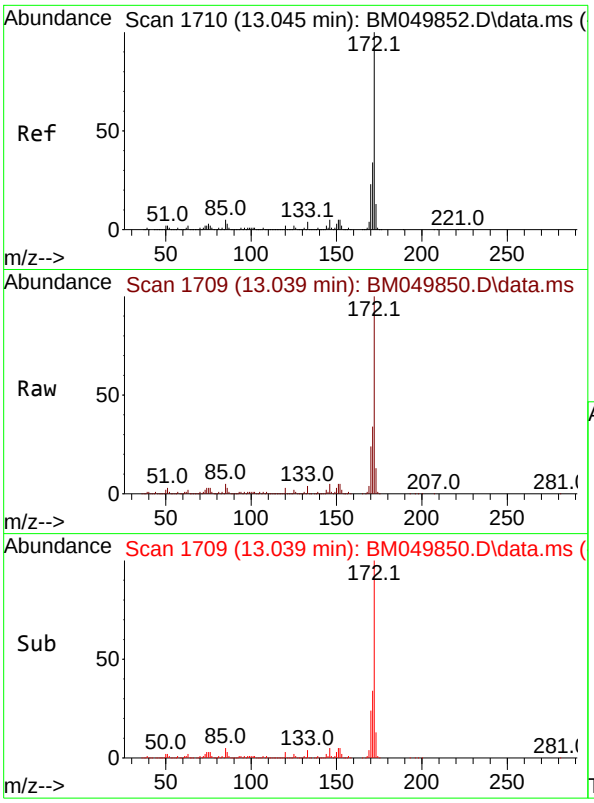


#44
2,4,5-Trichlorophenol
Concen: 9.342 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:196 Resp: 151683

Ion	Ratio	Lower	Upper
196	100		
198	100.1	77.7	116.5
97	41.3	30.3	45.5
132	22.8	17.3	25.9

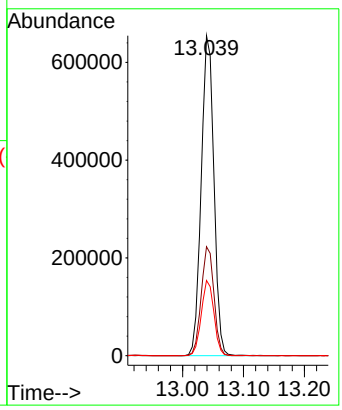




#45
2-Fluorobiphenyl
Concen: 19.175 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:172 Resp: 94912

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
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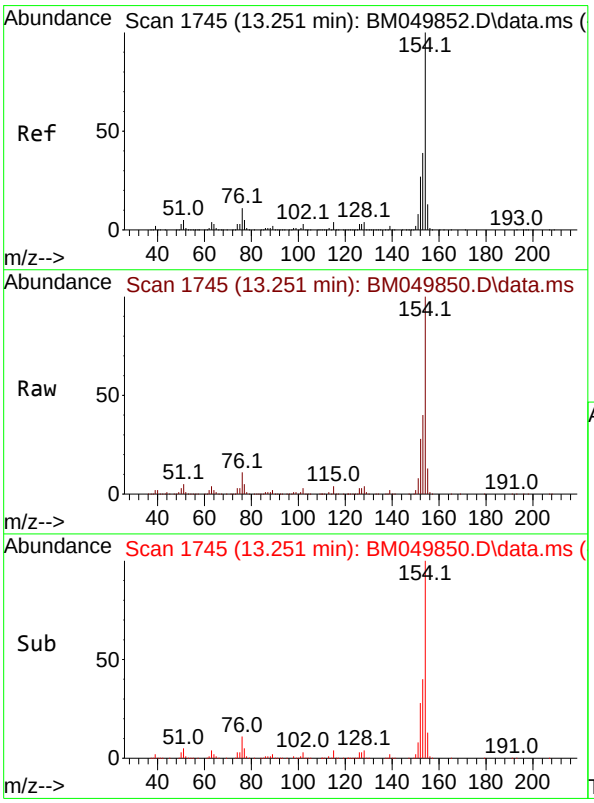
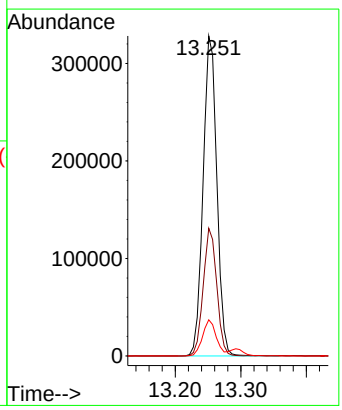
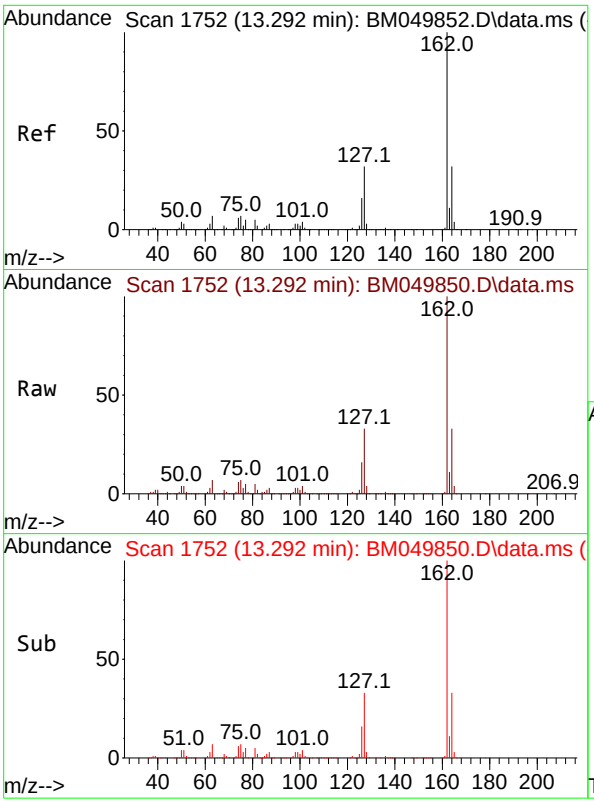


#46
1,1'-Biphenyl
Concen: 9.609 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:154 Resp: 479426

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.3	59.3
76	11.3	0.0	30.7

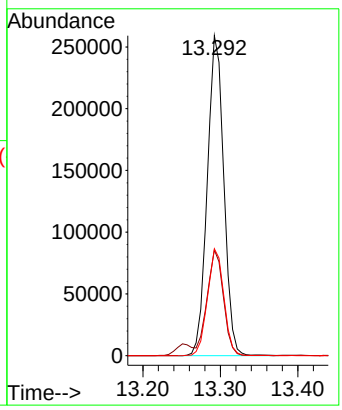




#47
2-Chloronaphthalene
Concen: 9.789 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:162 Resp: 38388

Ion	Ratio	Lower	Upper
162	100		
127	33.0	26.0	39.0
164	33.4	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
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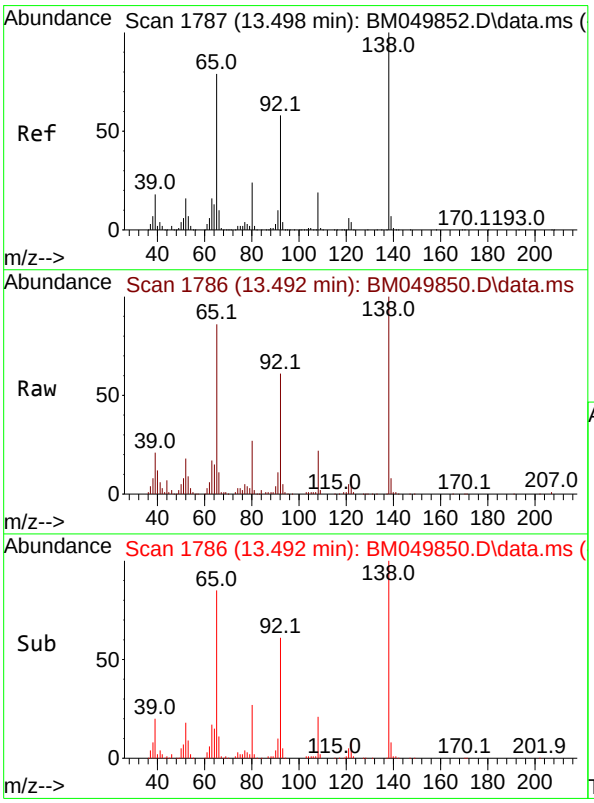
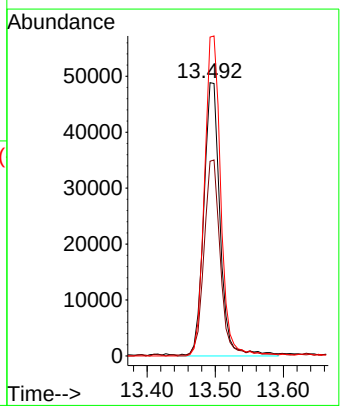
Supervised By :Jagrut Upadhyay 04/09/2025

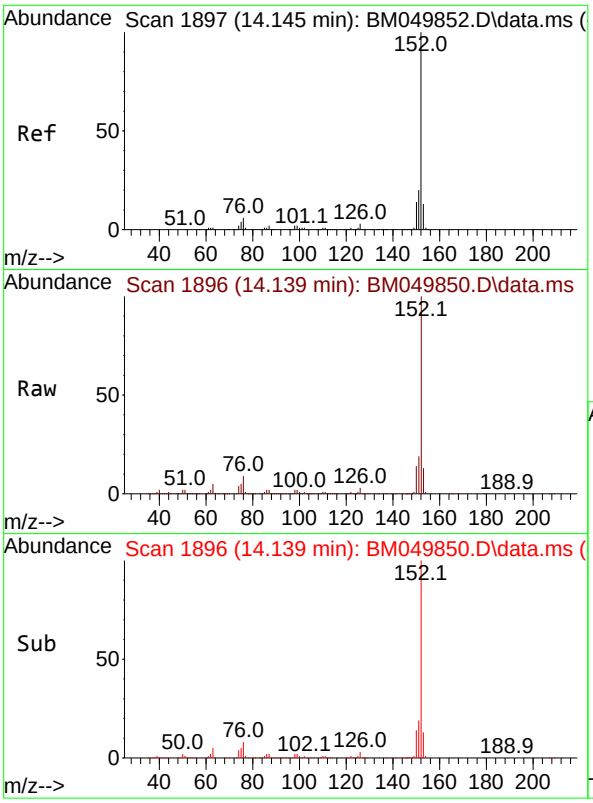


#48
2-Nitroaniline
Concen: 8.968 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 65 Resp: 81359

Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.4	87.6
138	116.7	100.8	151.2

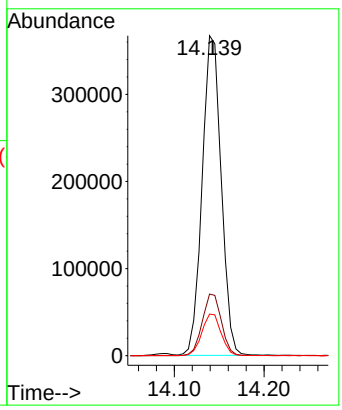




#49
Acenaphthylene
Concen: 9.479 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:152 Resp: 54147

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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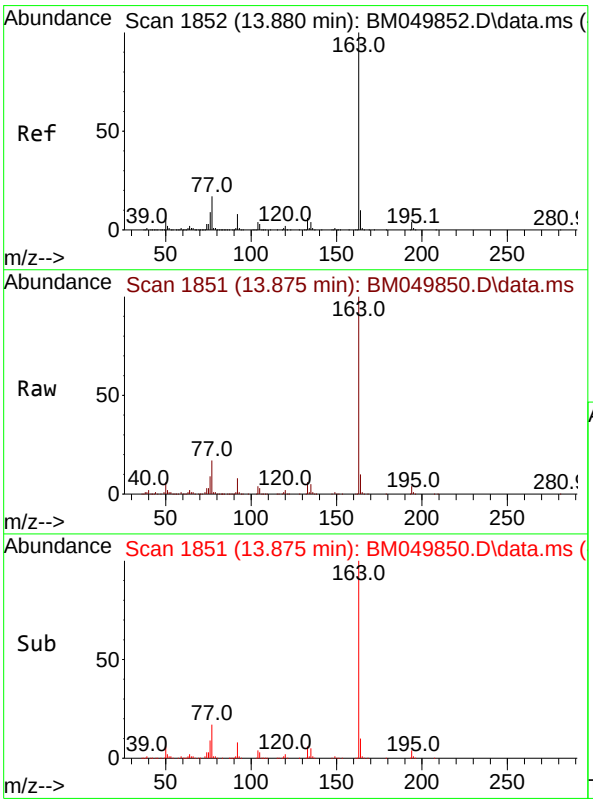
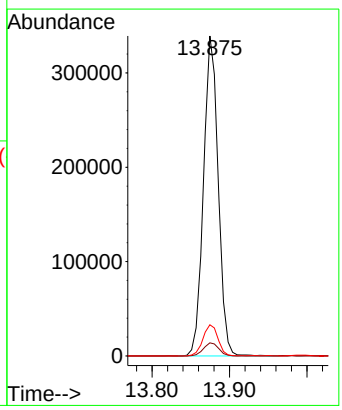
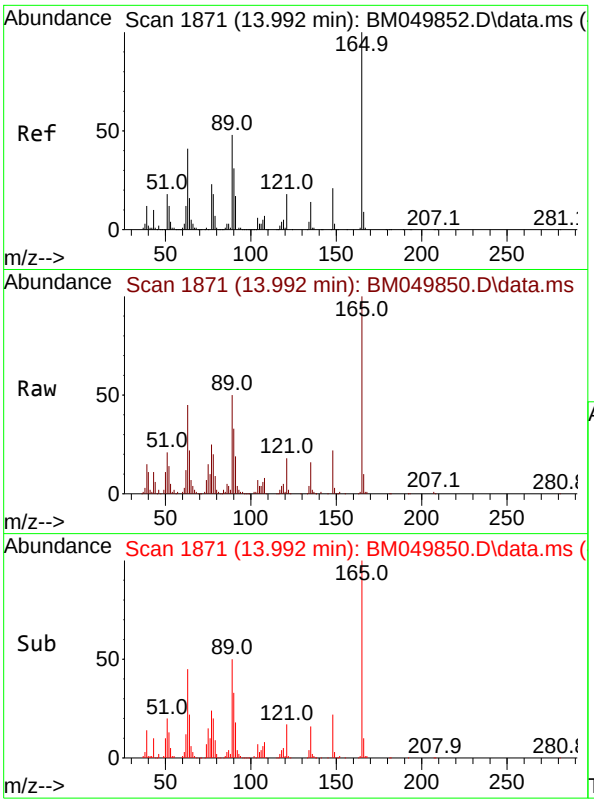


#50
Dimethylphthalate
Concen: 9.431 ng
RT: 13.875 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:163 Resp: 446549

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.7	7.9	11.9

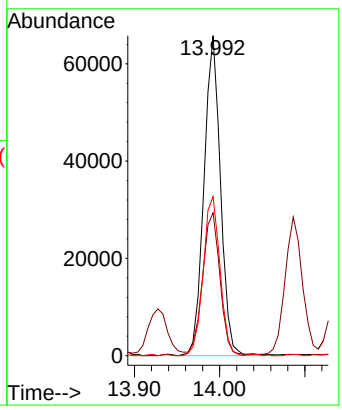




#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:165 Resp: 8881

Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	49.7	38.3	57.5



Instrument :
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ClientSampleId :
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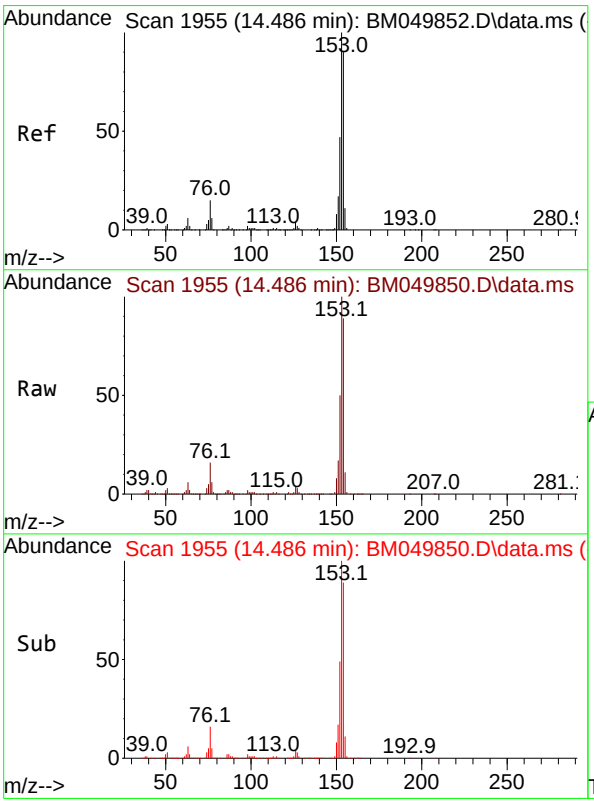
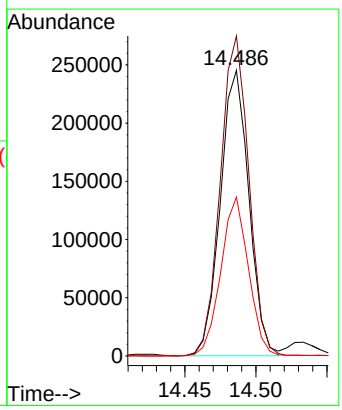
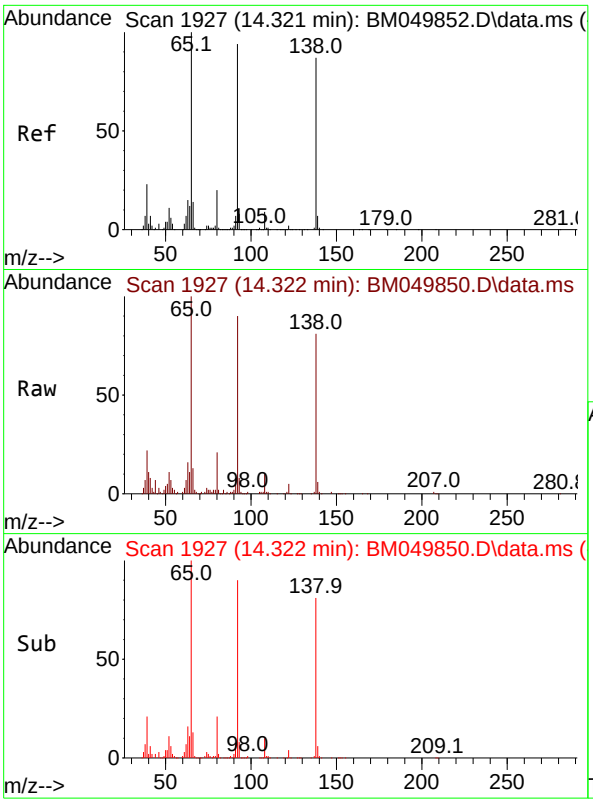


#52
Acenaphthene
Concen: 9.452 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:154 Resp: 343452

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	55.6	42.2	63.2





#53
3-Nitroaniline
Concen: 8.856 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:138 Resp: 8491

Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.1	12.1
92	112.0	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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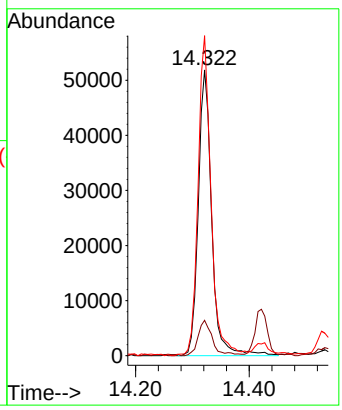
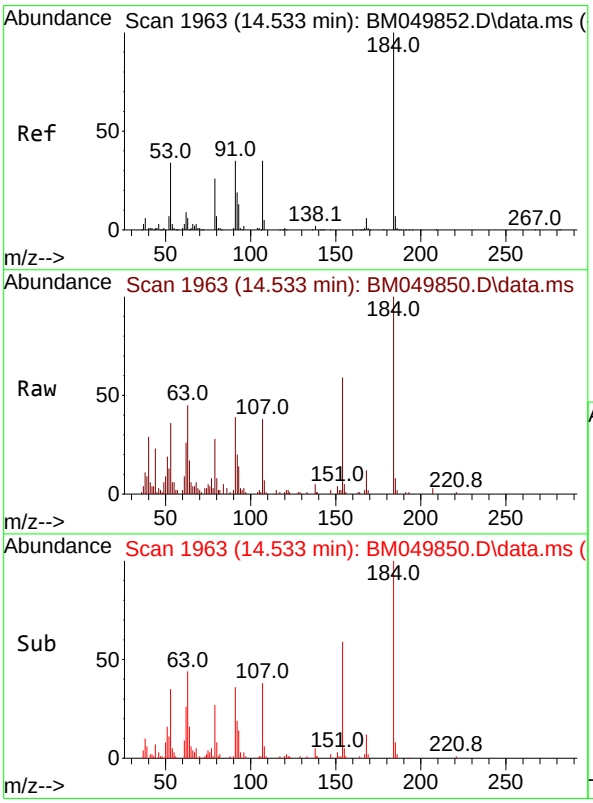
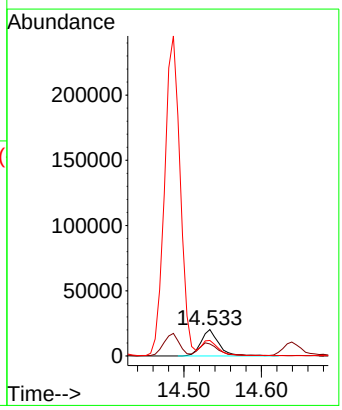


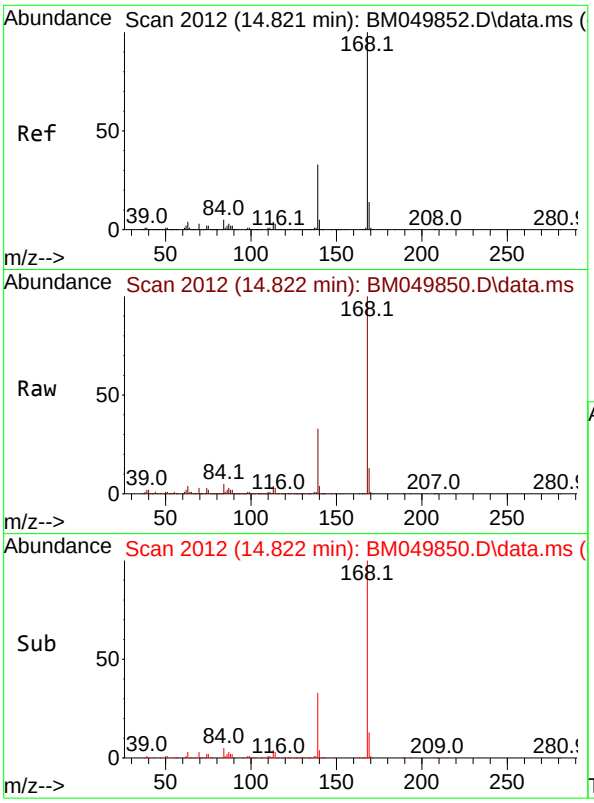


#54
2,4-Dinitrophenol
Concen: 11.325 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:184 Resp: 32385

Ion	Ratio	Lower	Upper
184	100		
63	45.3	38.4	57.6
154	58.6	48.1	72.1

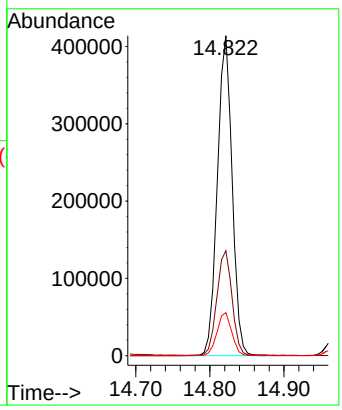




#55
Dibenzofuran
Concen: 9.443 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:168 Resp: 57356

Ion	Ratio	Lower	Upper
168	100		
139	32.8	26.6	39.8
169	13.5	11.0	16.4



Instrument :
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ClientSampleId :
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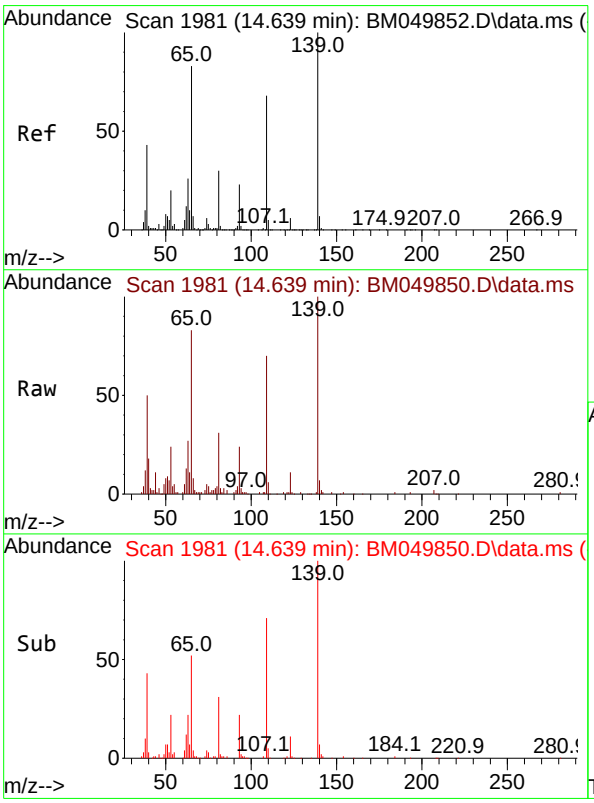
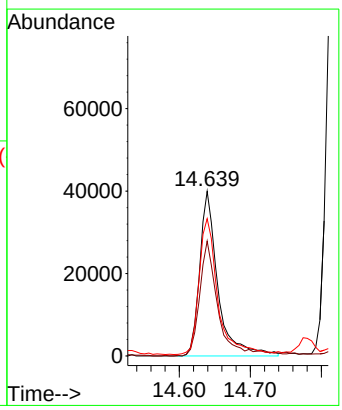
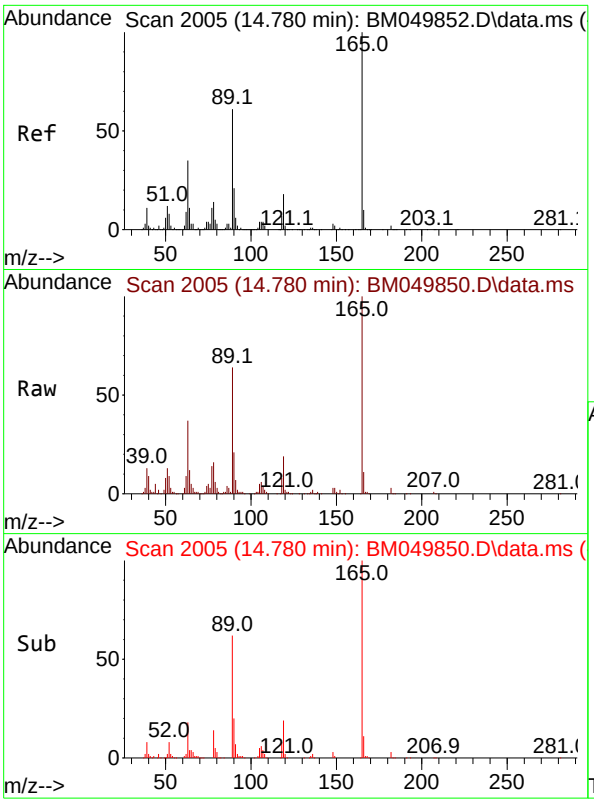


#56
4-Nitrophenol
Concen: 8.373 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:139 Resp: 71545

Ion	Ratio	Lower	Upper
139	100		
109	69.8	47.9	87.9
65	83.3	62.7	102.7

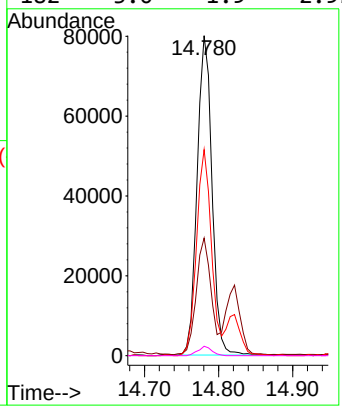




#57
2,4-Dinitrotoluene
Concen: 8.433 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:165 Resp: 11161

Ion	Ratio	Lower	Upper
165	100		
63	36.8	28.6	42.8
89	64.4	49.0	73.6
182	3.0	1.9	2.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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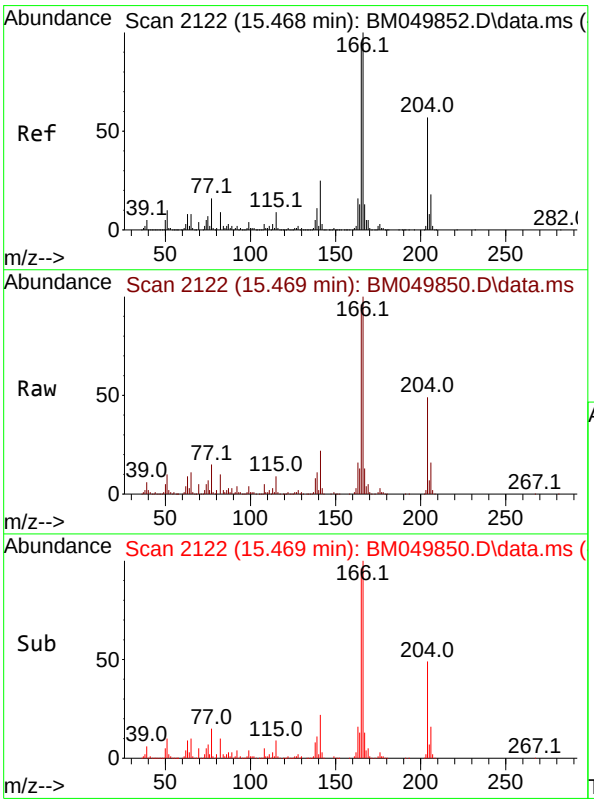
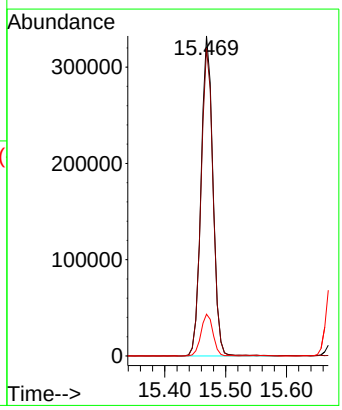
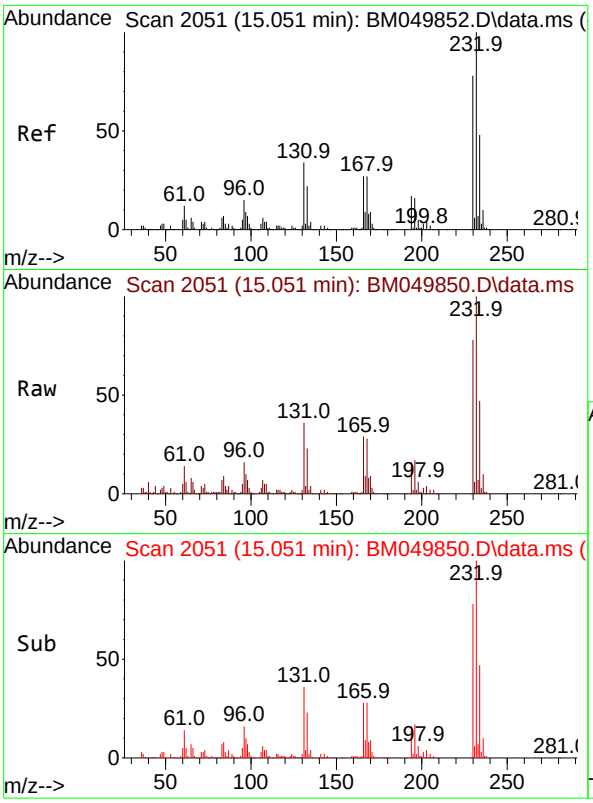


#58
Fluorene
Concen: 9.279 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:166 Resp: 448037

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.3	114.5
167	13.0	10.7	16.1

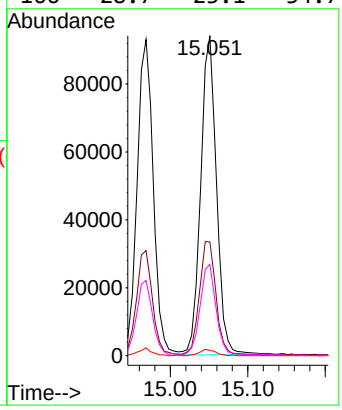




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.351 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:232 Resp: 13308(

Ion	Ratio	Lower	Upper
232	100		
131	37.4	28.4	42.6
130	2.0	1.6	2.4
166	28.7	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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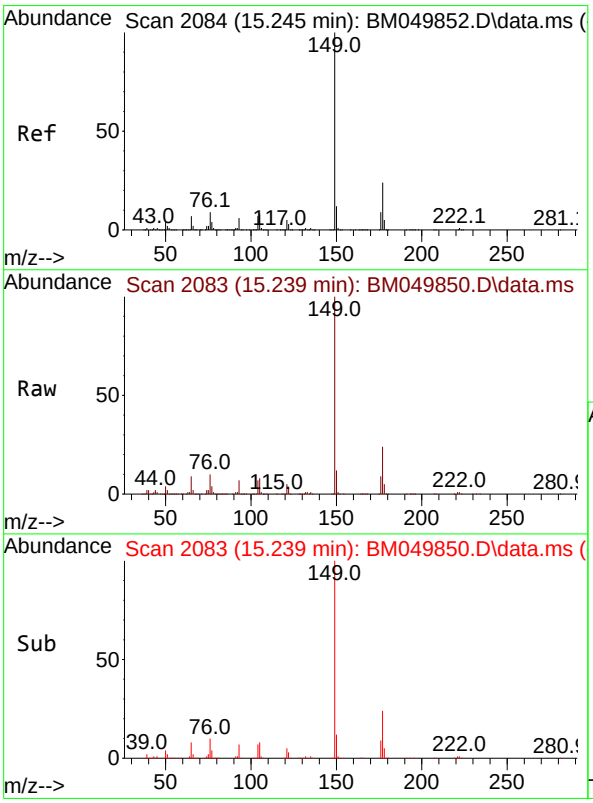
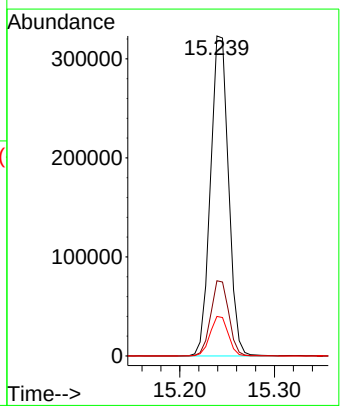
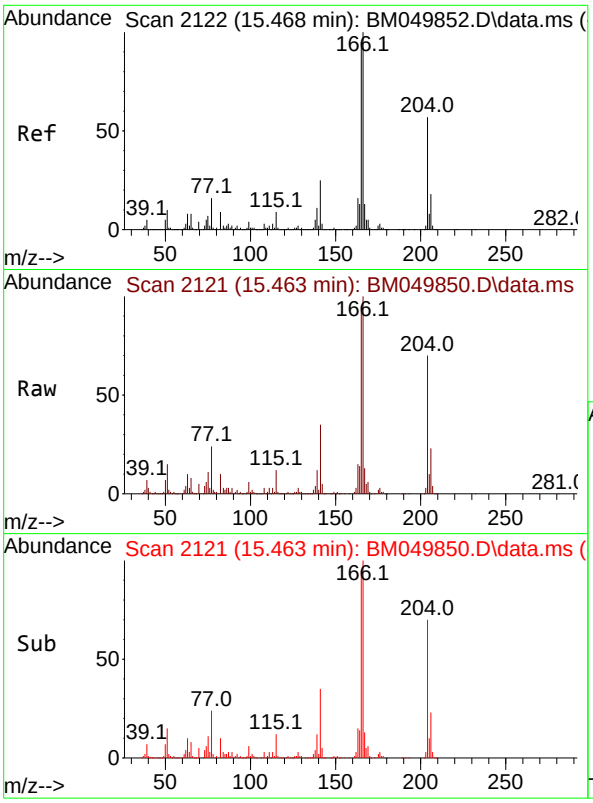


#60
Diethylphthalate
Concen: 9.387 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 426265

Ion	Ratio	Lower	Upper
149	100		
177	23.5	19.0	28.4
150	12.3	9.7	14.5

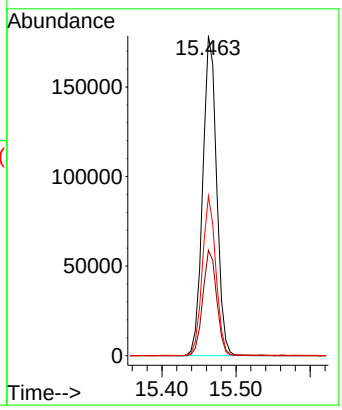




#61
4-Chlorophenyl-phenylether
Concen: 8.992 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:204 Resp: 23276

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	49.9	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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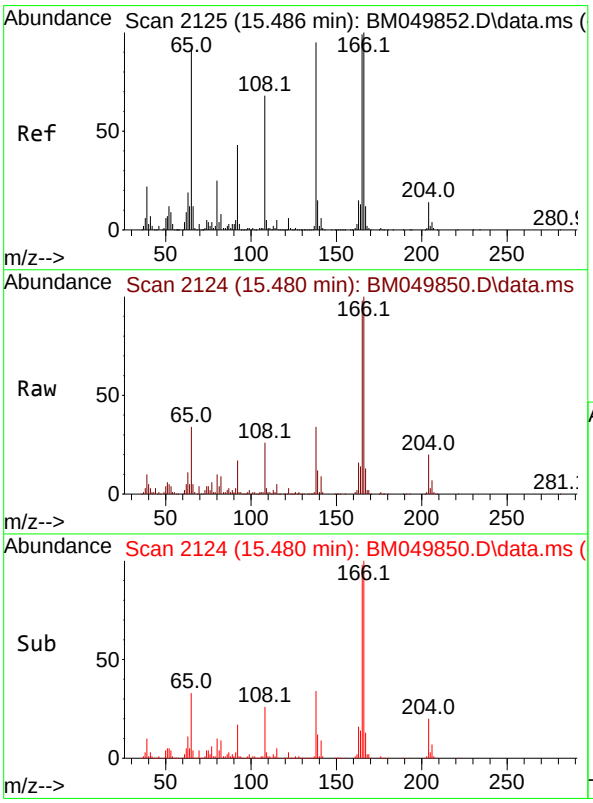
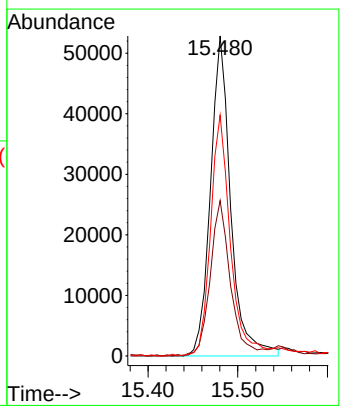
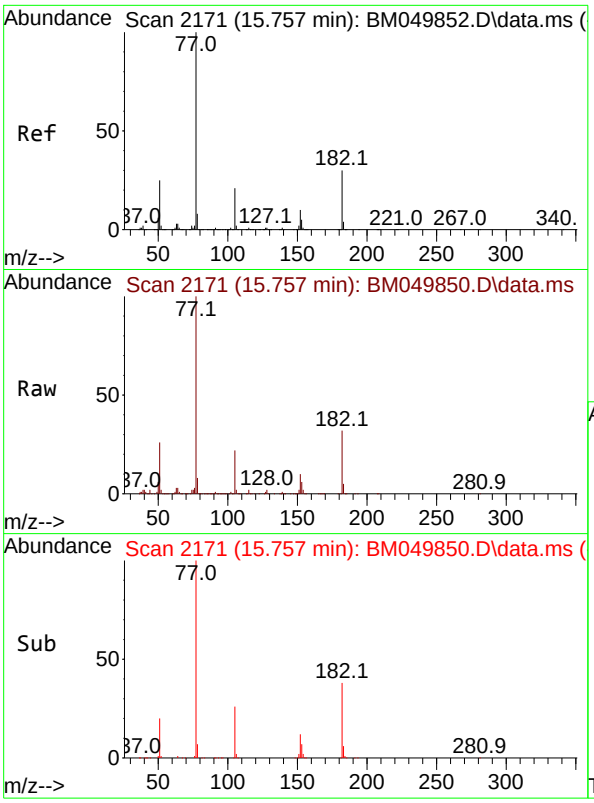


#62
4-Nitroaniline
Concen: 8.354 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:138 Resp: 82838

Ion	Ratio	Lower	Upper
138	100		
92	48.5	24.9	64.9
108	75.2	51.7	91.7

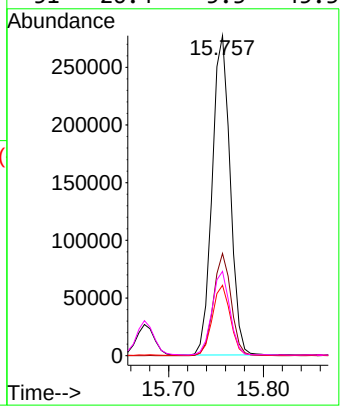




#63
Azobenzene
Concen: 9.366 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 36411

Ion	Ratio	Lower	Upper
77	100		
182	31.9	10.4	50.4
105	22.0	1.5	41.5
51	26.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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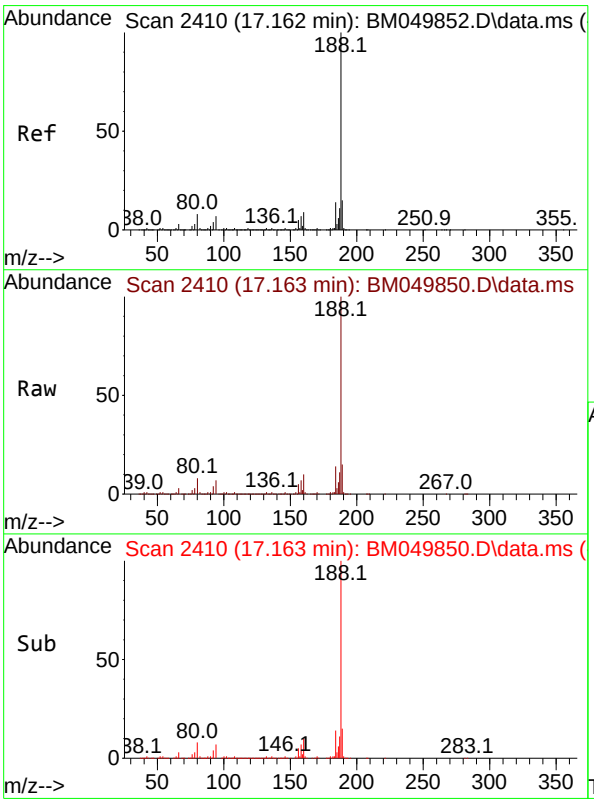
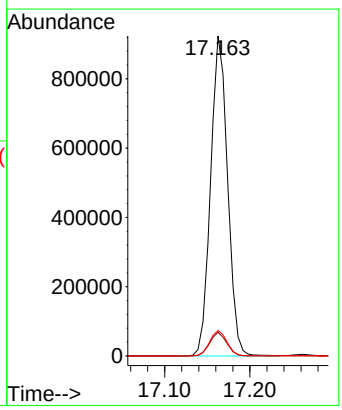
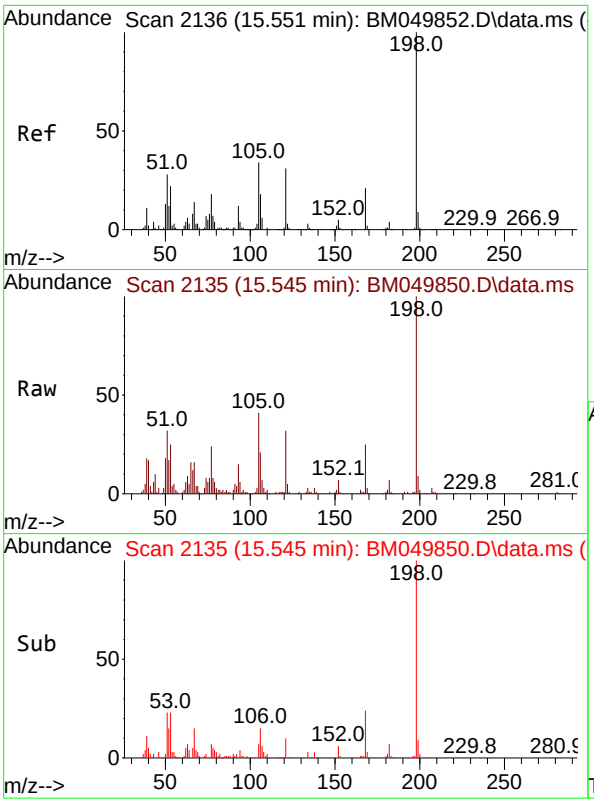


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:188 Resp: 1281742

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	7.9	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 7.490 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:198 Resp: 6049

Ion	Ratio	Lower	Upper
198	100		
51	32.3	9.6	49.6
105	40.9	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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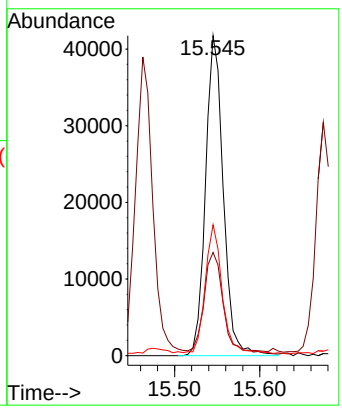
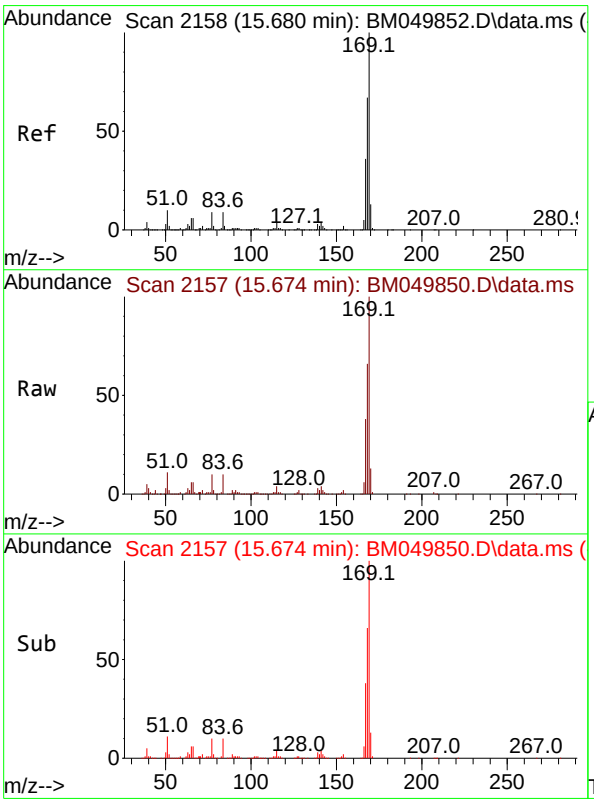
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

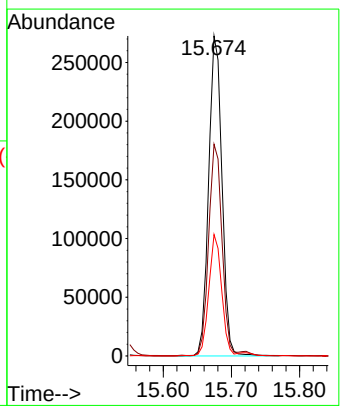


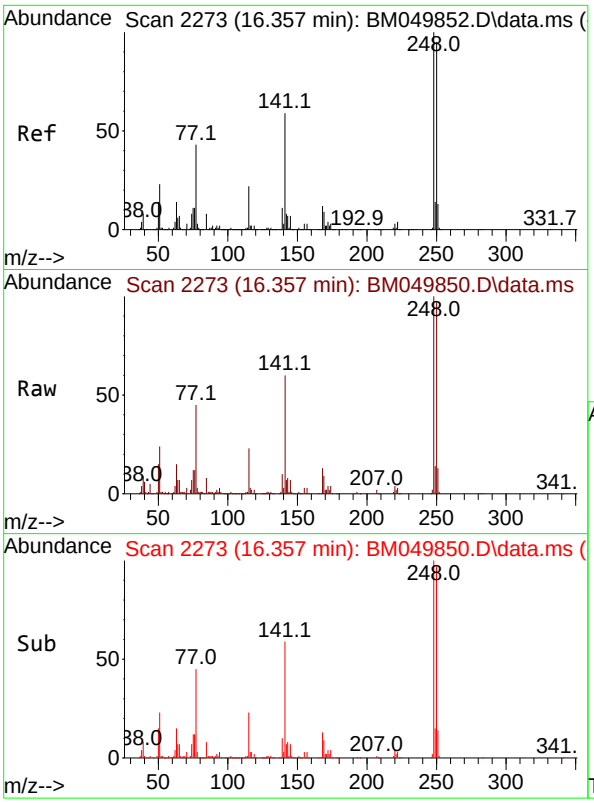


#66
n-Nitrosodiphenylamine
Concen: 9.657 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:169 Resp: 370438

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.4	80.2
167	38.0	29.0	43.6

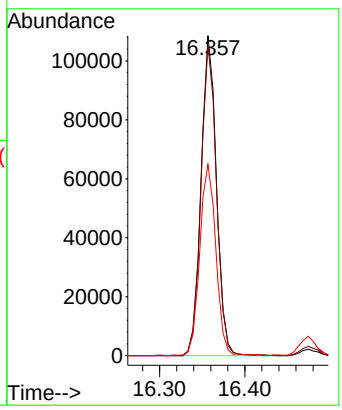




#67
4-Bromophenyl-phenylether
Concen: 9.139 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:248 Resp: 13598

Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.2	114.2
141	59.7	47.3	70.9



Instrument :
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ClientSampleId :
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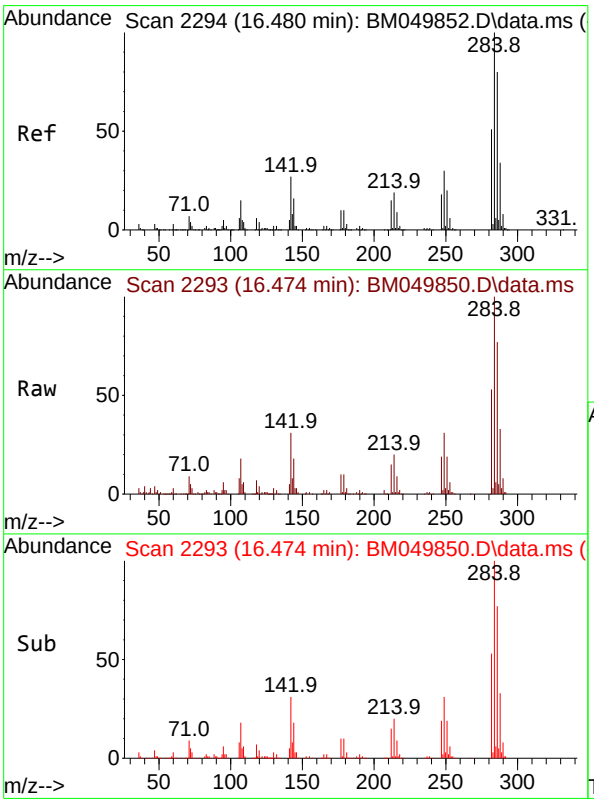
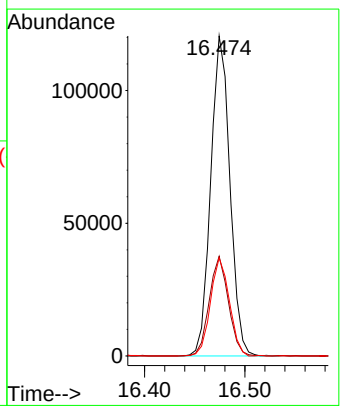
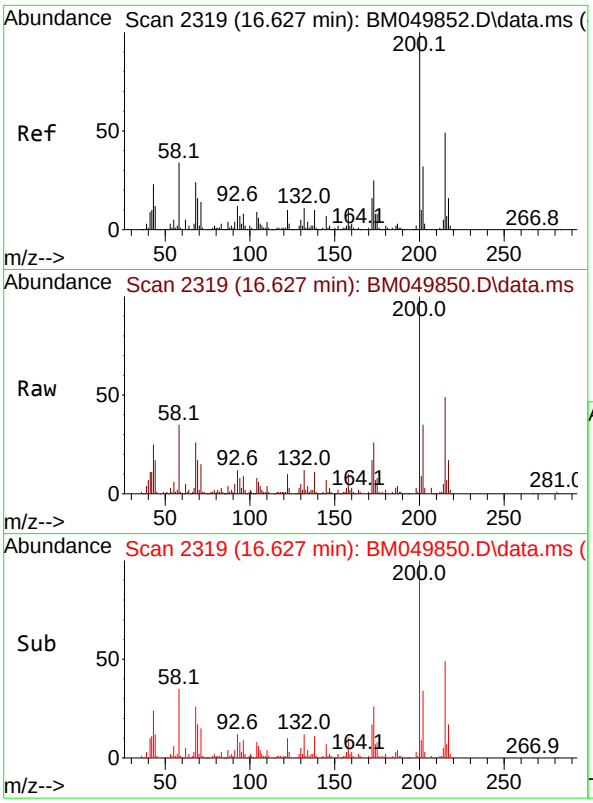


#68
Hexachlorobenzene
Concen: 9.383 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:284 Resp: 160142

Ion	Ratio	Lower	Upper
284	100		
142	31.1	21.2	31.8
249	30.7	24.1	36.1

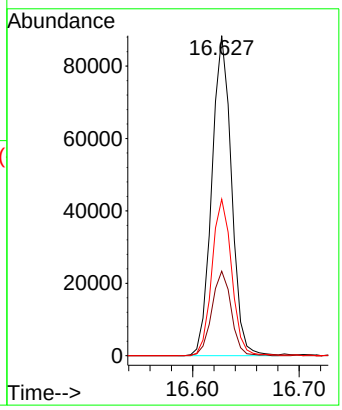




#69
Atrazine
Concen: 11.391 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:200 Resp: 11328

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.4	45.4
215	48.9	29.0	69.0



Instrument :
BNA_M
ClientSampleId :
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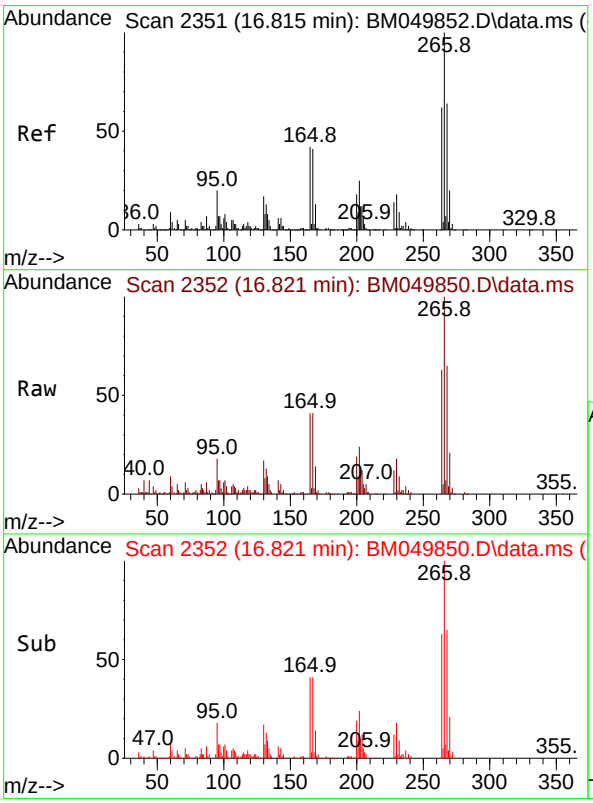
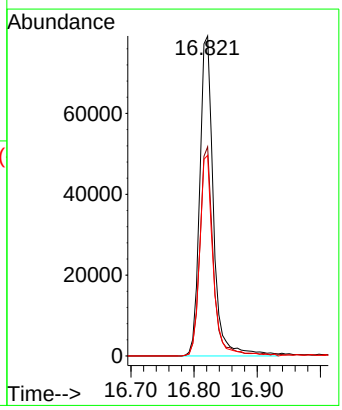
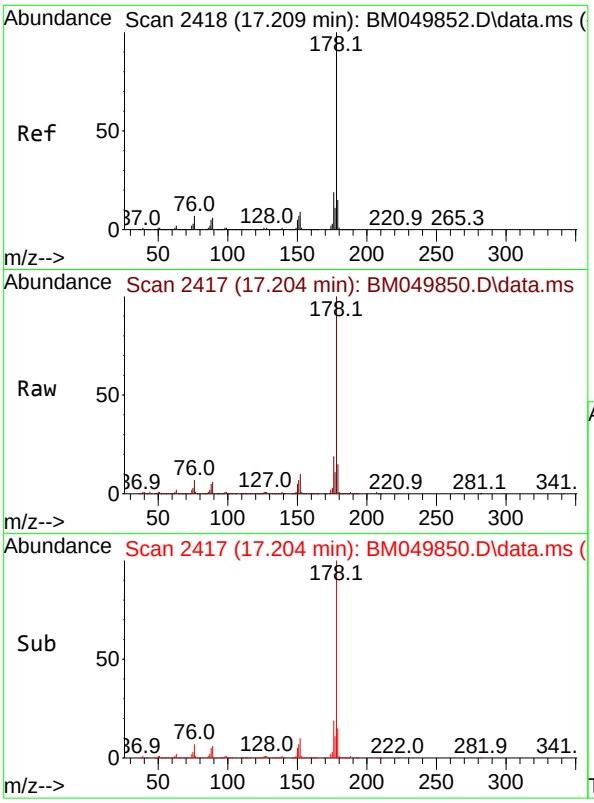


#70
Pentachlorophenol
Concen: 9.473 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:266 Resp: 119030

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.4	77.2
264	62.7	49.8	74.8

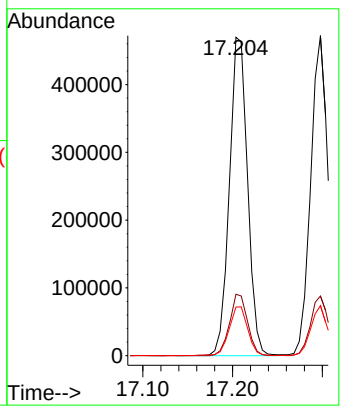




#71
Phenanthrene
Concen: 9.394 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:178 Resp: 66014

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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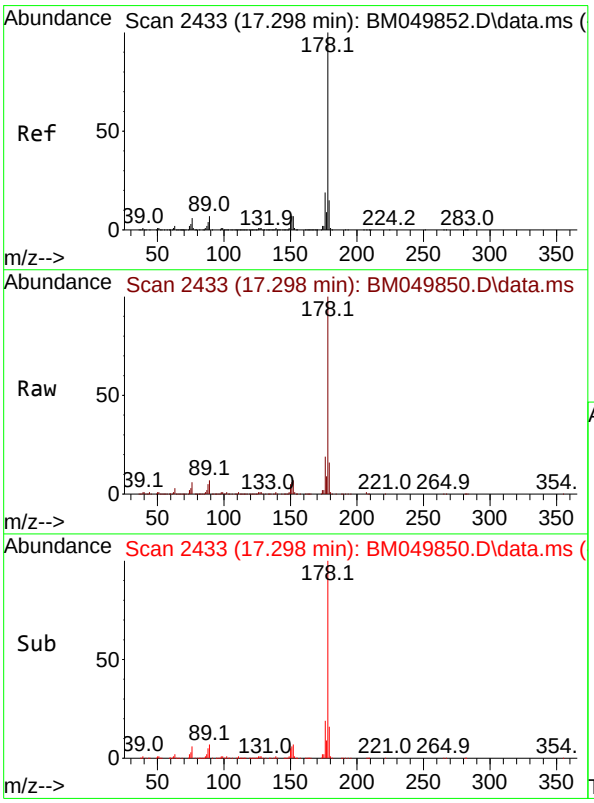
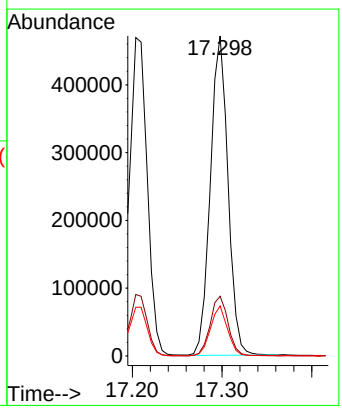
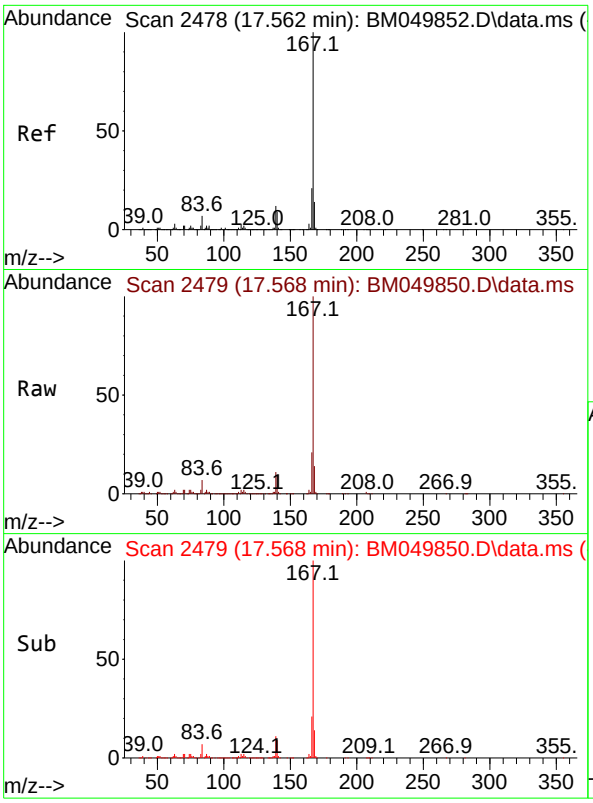


#72
Anthracene
Concen: 9.294 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:178 Resp: 643575

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.6	12.4	18.6





#73
Carbazole
Concen: 9.356 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:167 Resp: 61022

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.1	9.3	13.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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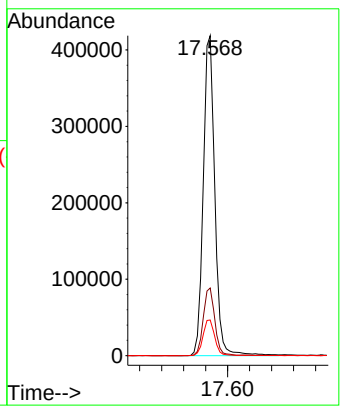
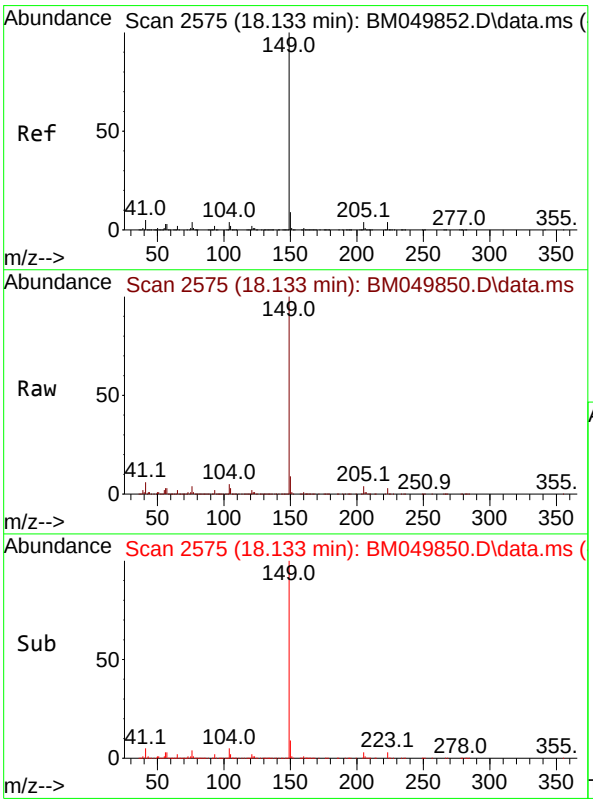
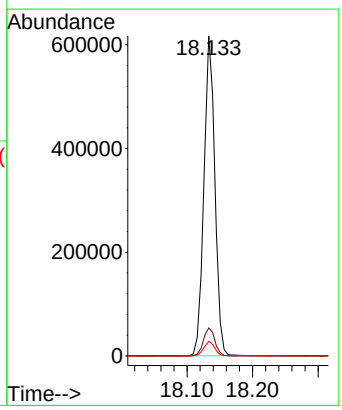


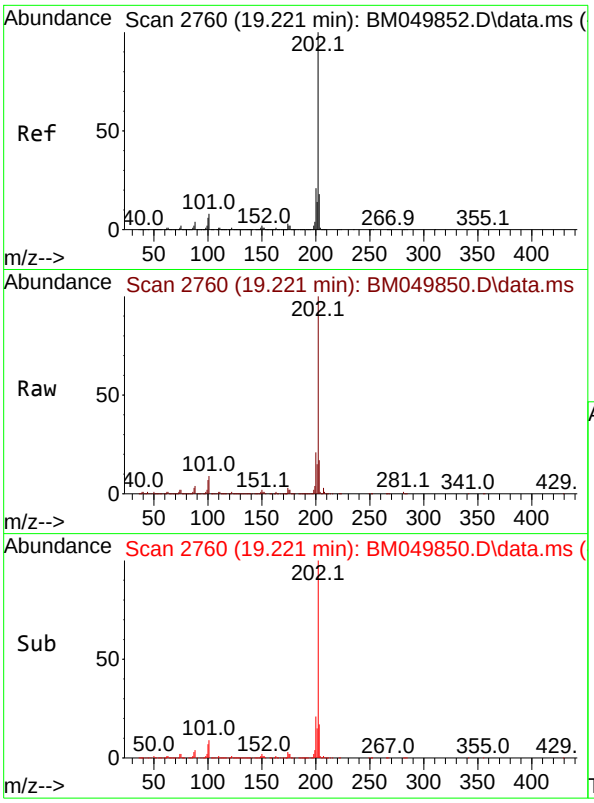


#74
Di-n-butylphthalate
Concen: 9.557 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 717993

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.5	11.3
104	4.6	3.5	5.3





#75
Fluoranthene
Concen: 8.947 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:202 Resp: 77298

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.4
203	17.0	0.0	37.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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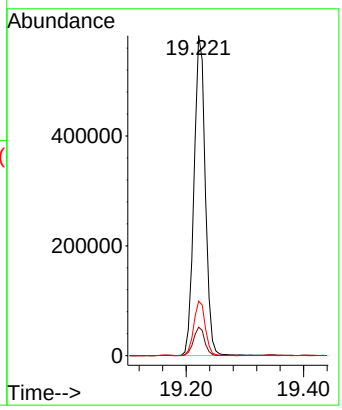
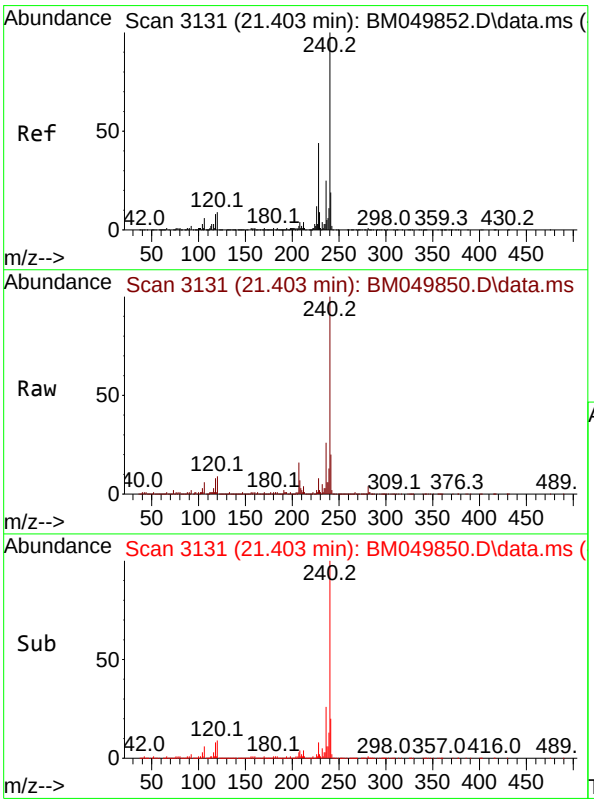
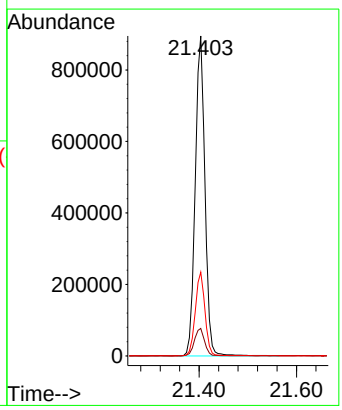


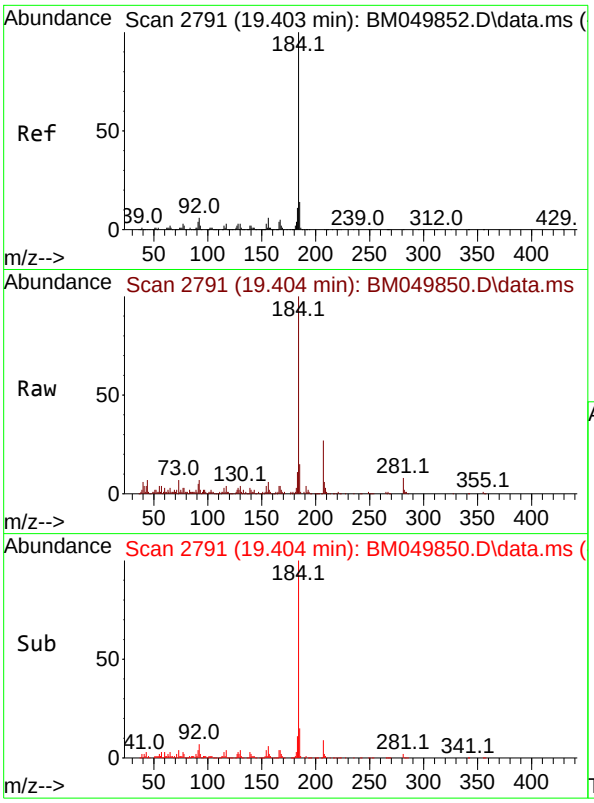


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:240 Resp: 1251521

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	26.2	20.4	30.6

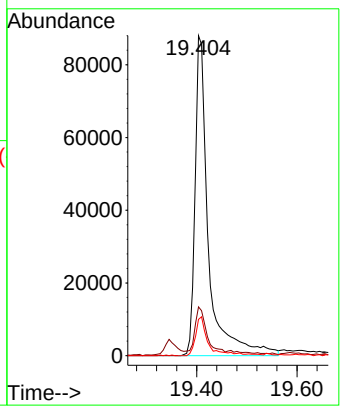




#77
Benzidine
Concen: 9.814 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:184 Resp: 16294

Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.4	17.2
183	11.3	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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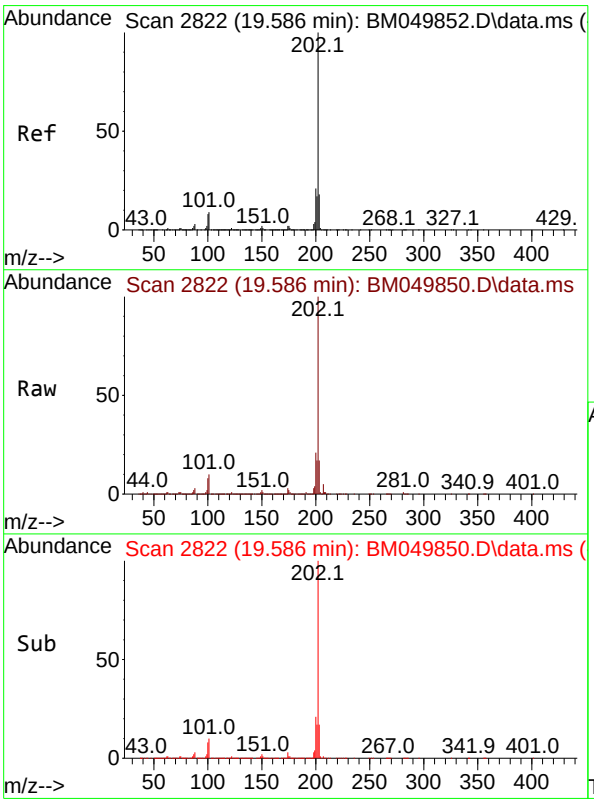
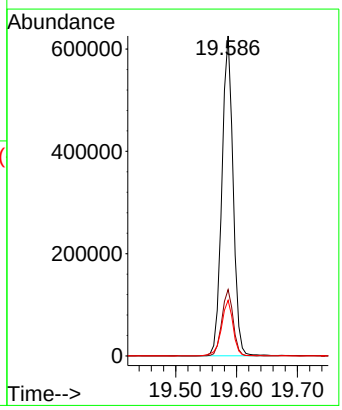
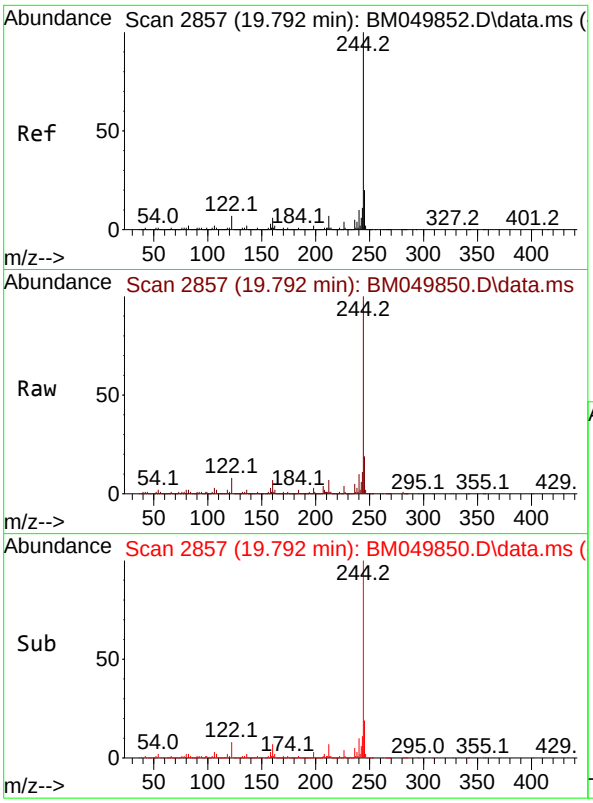


#78
Pyrene
Concen: 9.286 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:202 Resp: 800964

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.4	14.0	21.0

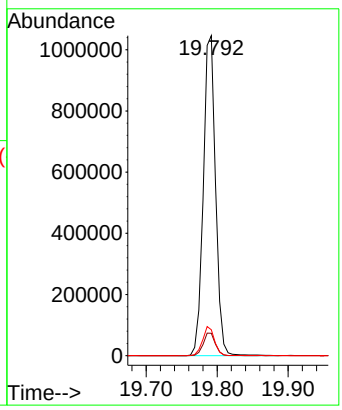




#79
Terphenyl-d14
Concen: 18.825 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:244 Resp: 125713

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	8.1	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
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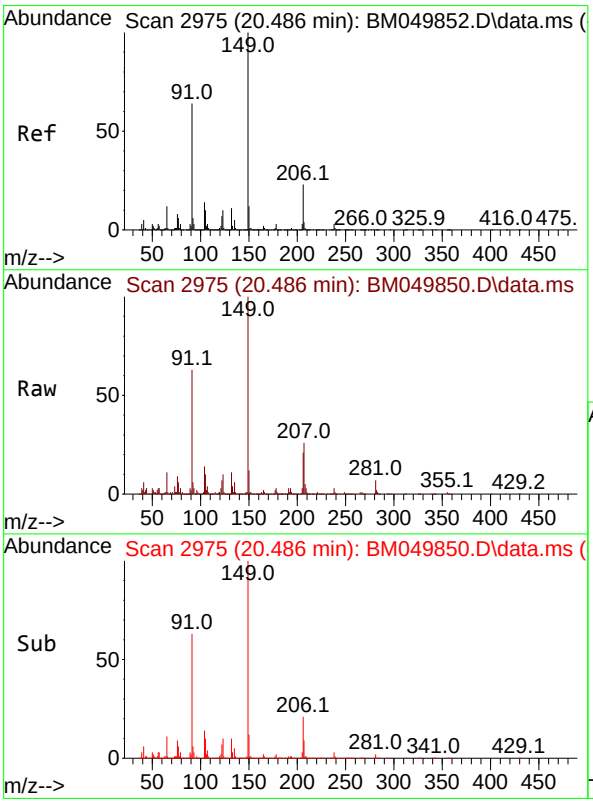
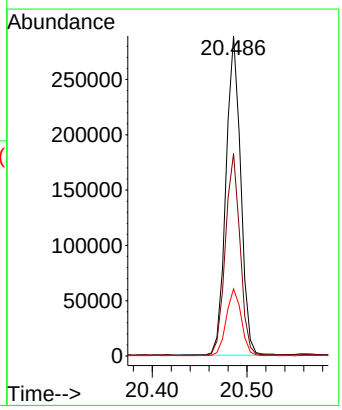
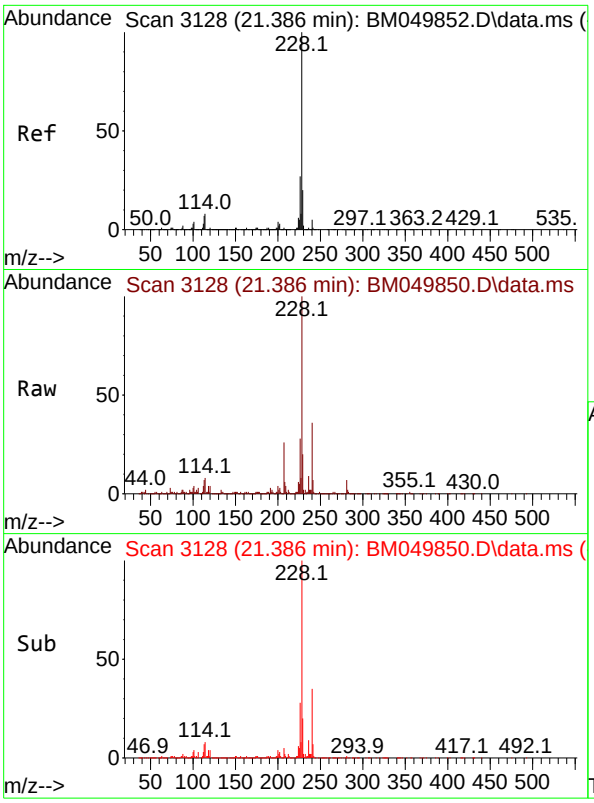


#80
Butylbenzylphthalate
Concen: 9.654 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 312899

Ion	Ratio	Lower	Upper
149	100		
91	63.2	50.9	76.3
206	21.0	18.4	27.6

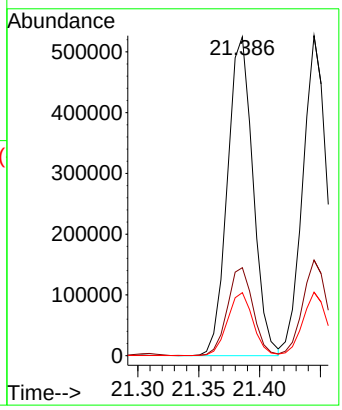




#81
Benzo(a)anthracene
Concen: 9.223 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:228 Resp: 76712

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.7	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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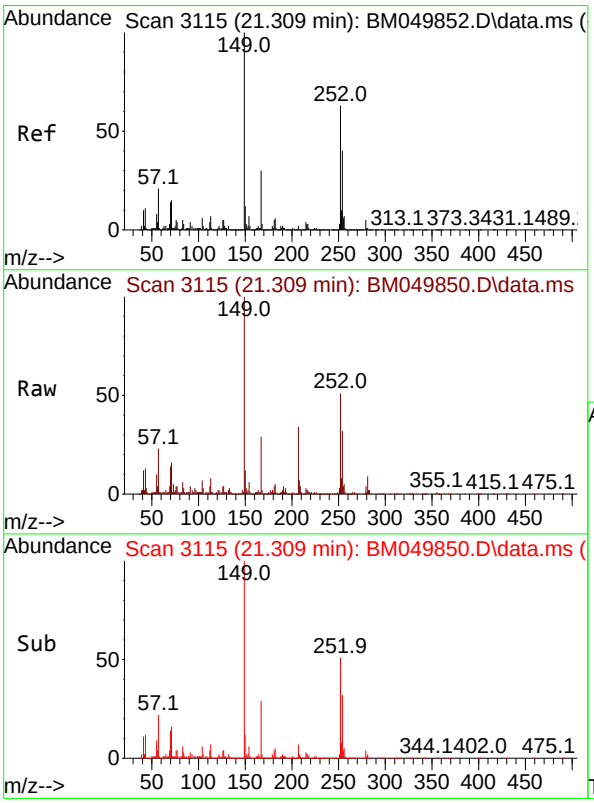
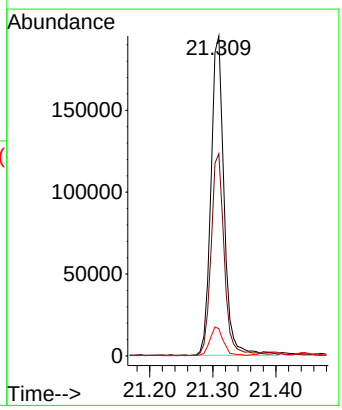
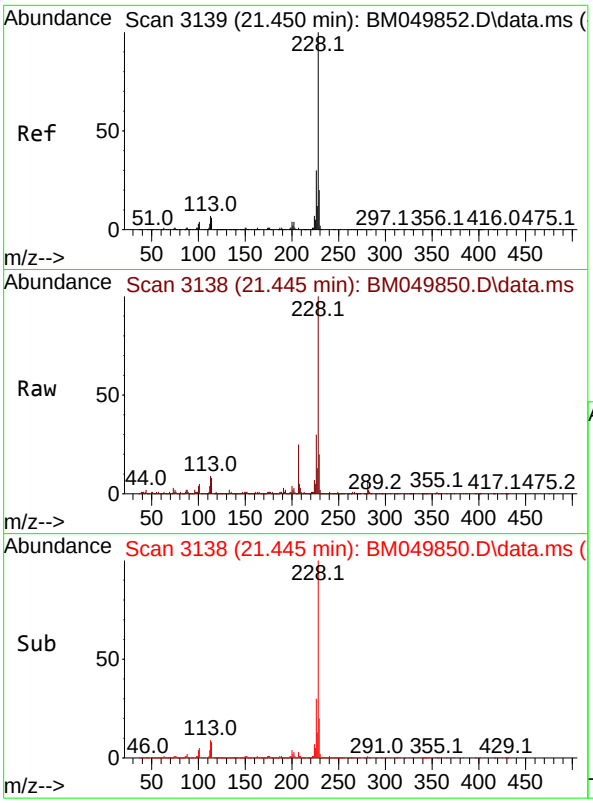


#82
3,3'-Dichlorobenzidine
Concen: 8.960 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 281424

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.5	77.3
126	8.5	6.3	9.5

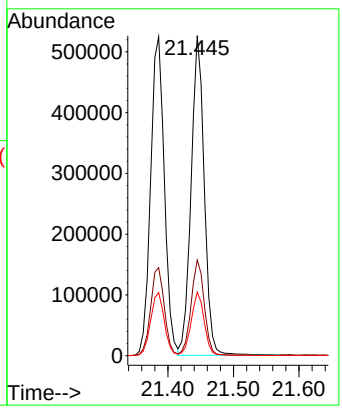




#83
Chrysene
Concen: 9.283 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:228 Resp: 73407

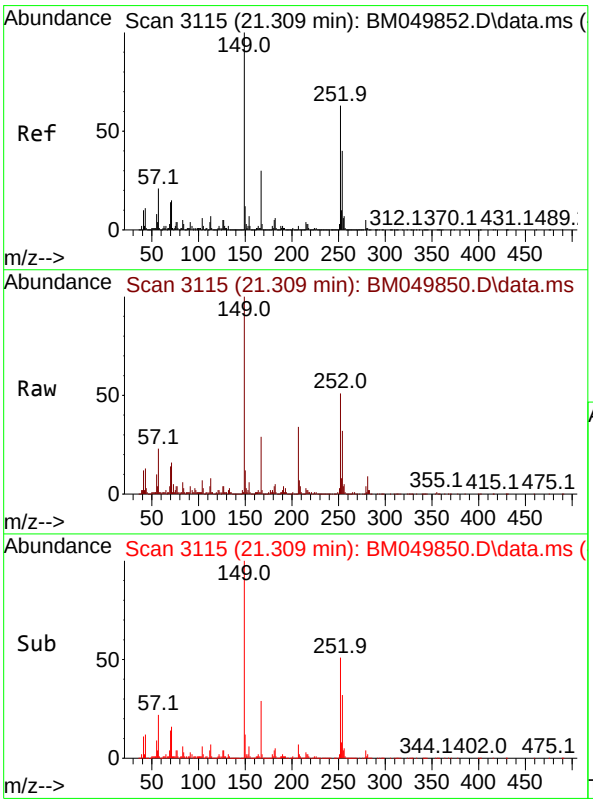
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.9	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

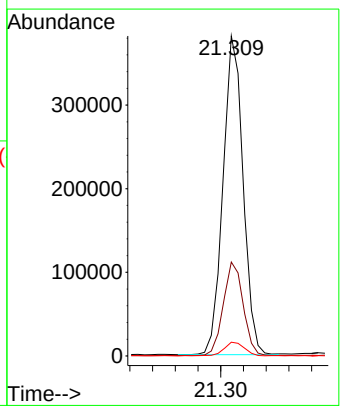
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

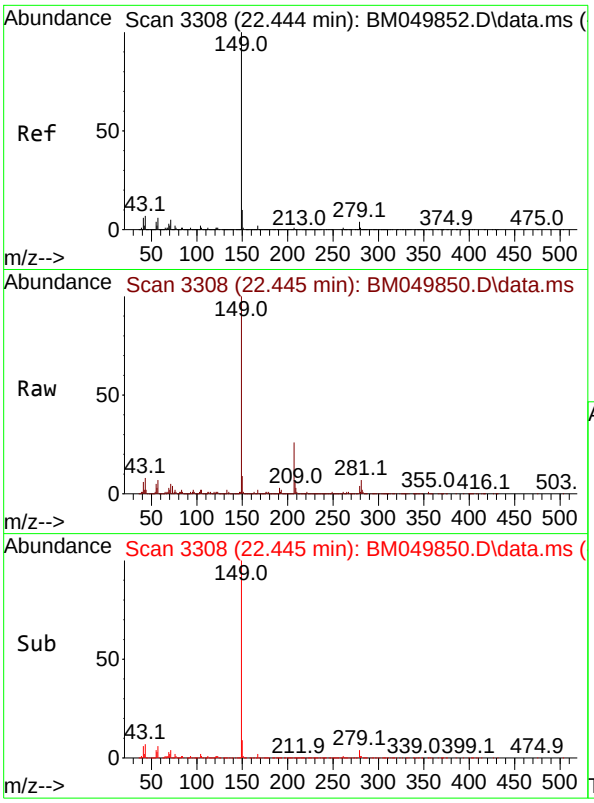


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.903 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 467613

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.8	35.6
279	4.3	3.8	5.8

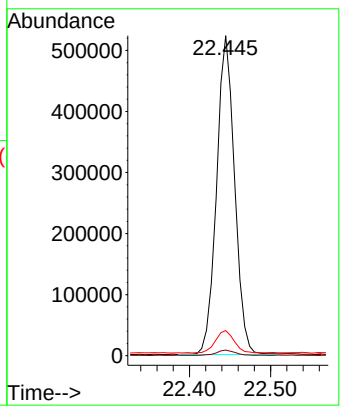




#85
Di-n-octyl phthalate
Concen: 9.750 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 80541

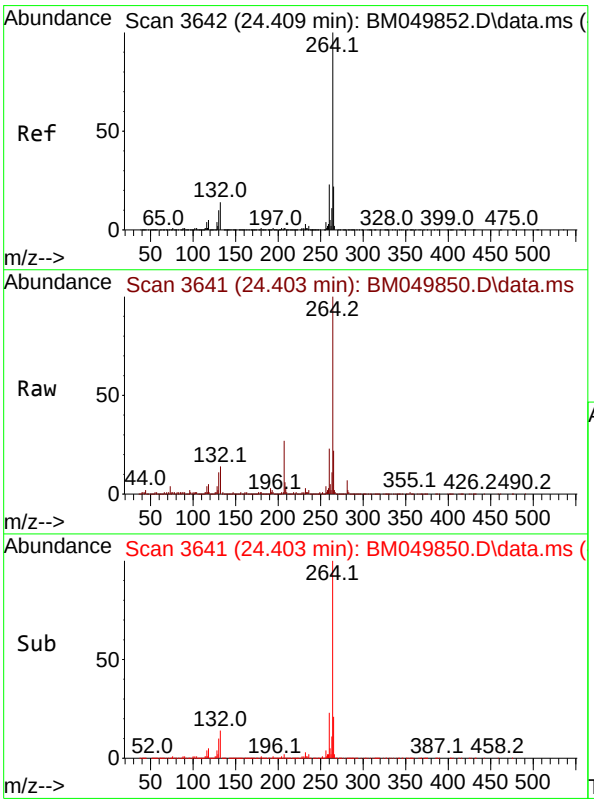
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.2	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

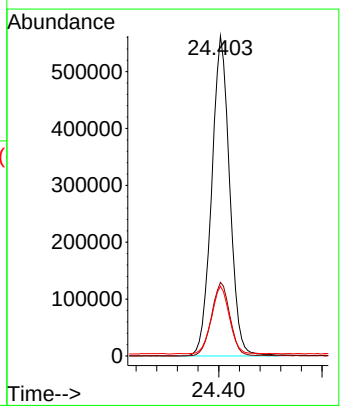
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

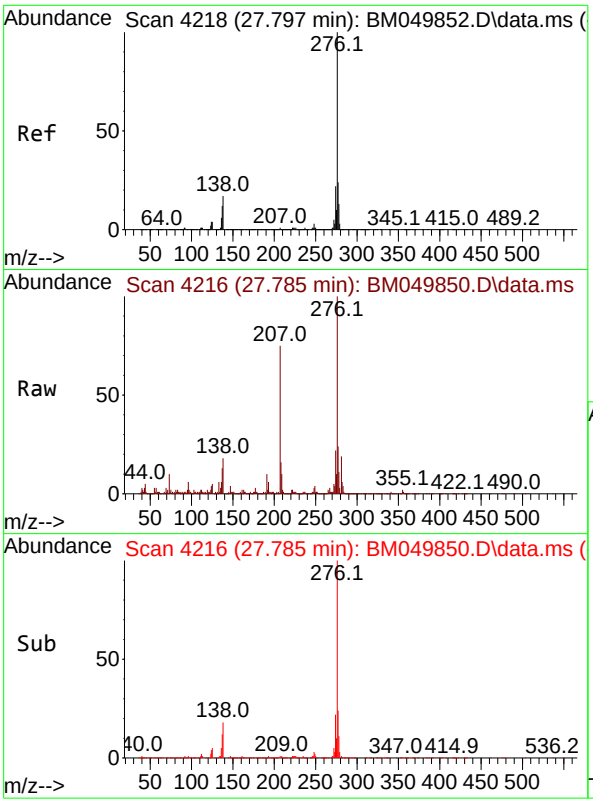


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:264 Resp: 1360976

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.8	17.8	26.8

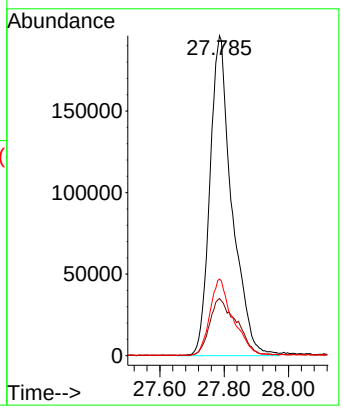




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.177 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:276 Resp: 93100

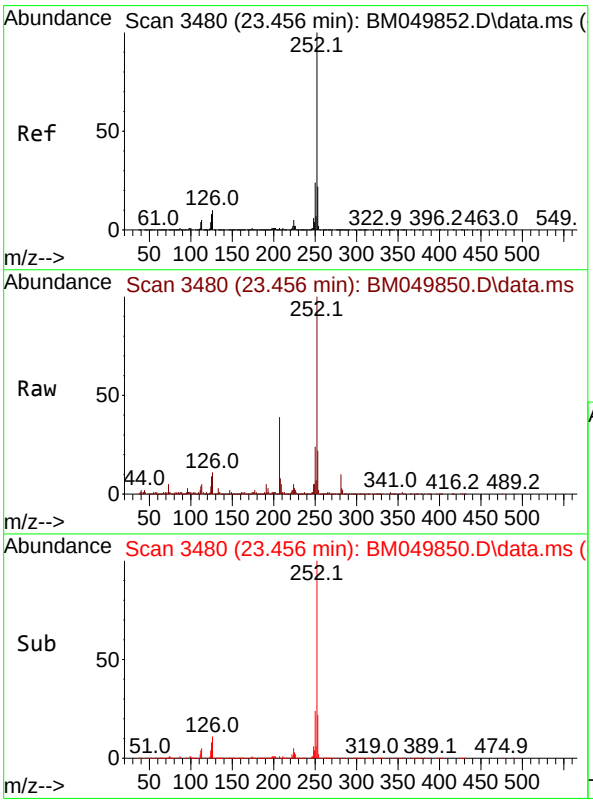
Ion	Ratio	Lower	Upper
276	100		
138	21.6	16.8	25.2
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

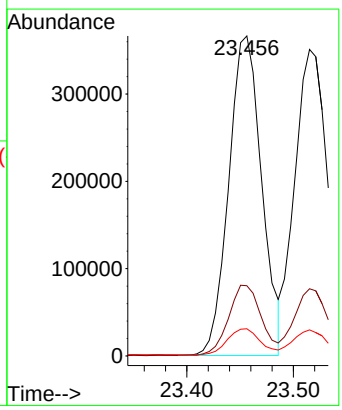
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

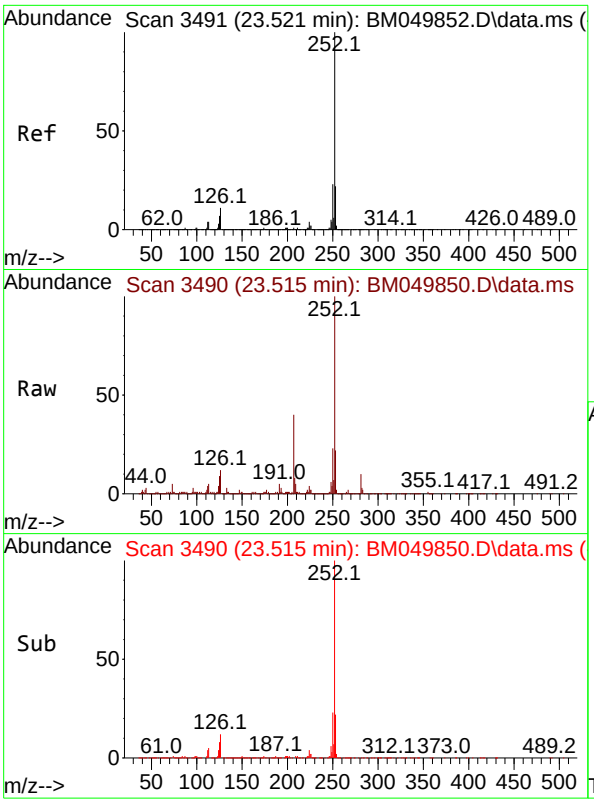


#88
Benzo(b)fluoranthene
Concen: 9.055 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 787043

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.5	6.2	9.4

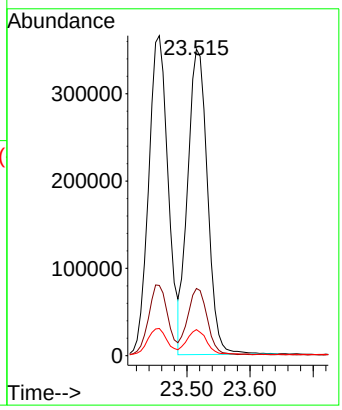




#89
Benzo(k)fluoranthene
Concen: 9.063 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 76340

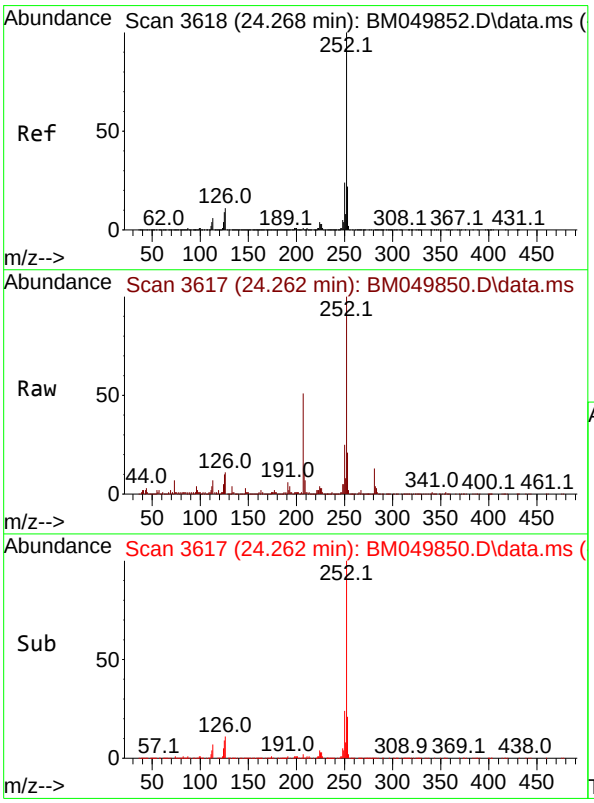
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	8.5	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

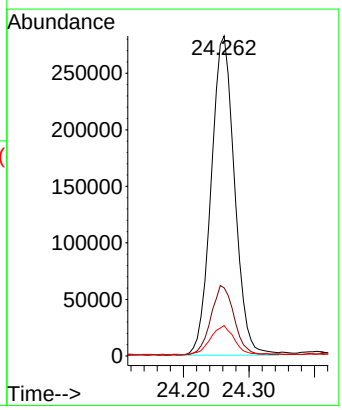
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

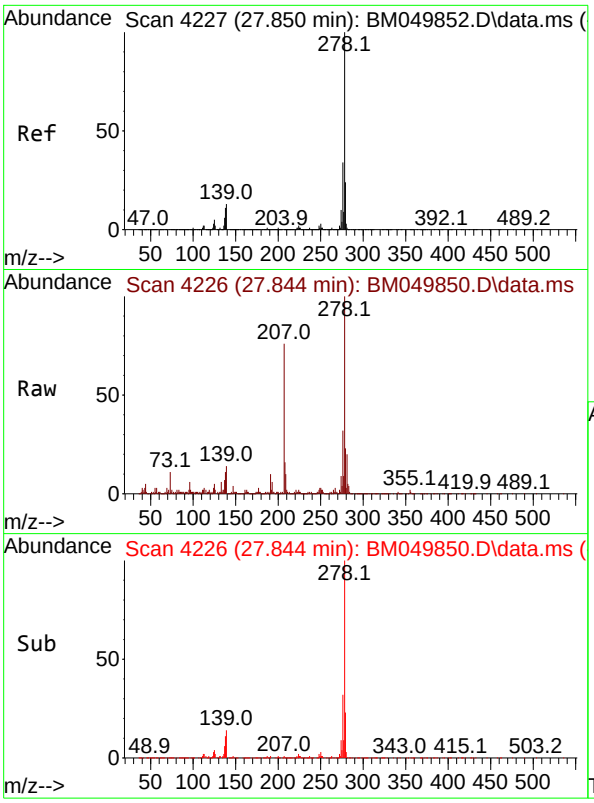


#90
Benzo(a)pyrene
Concen: 9.142 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 698269

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.8
125	9.5	7.0	10.4

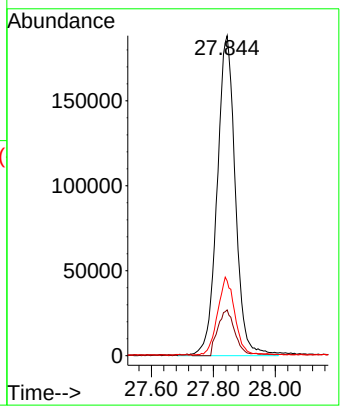




#91
Dibenzo(a,h)anthracene
Concen: 9.188 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:278 Resp: 76780

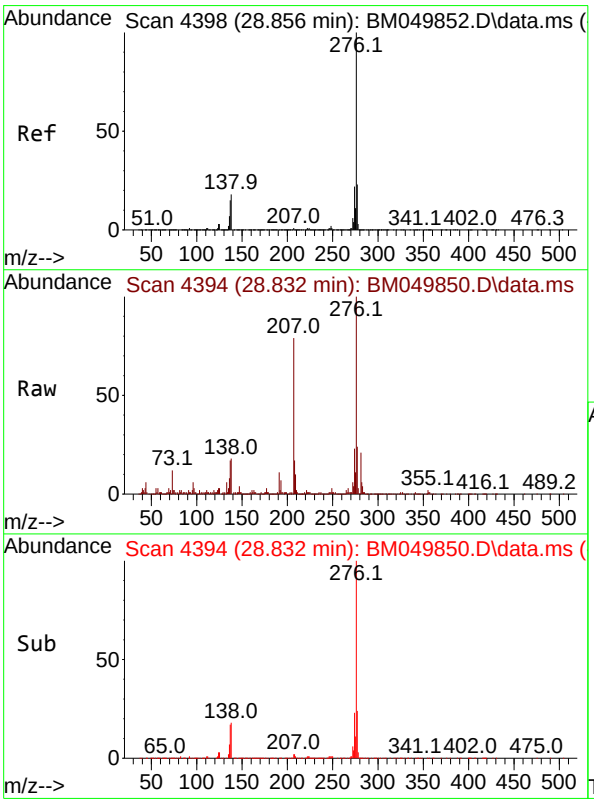
Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.6	15.8
279	23.3	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

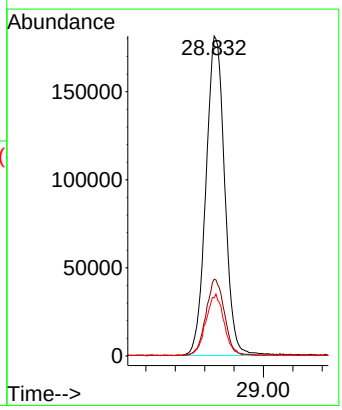
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



#92
Benzo(g,h,i)perylene
Concen: 9.394 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.023 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:276 Resp: 802183

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	18.1	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	318059	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1116195	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	702854	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1378813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1339758	20.000	ng		0.00
86) Perylene-d12	24.403	264	1486954	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	771430	41.186	ng		0.00
7) Phenol-d6	6.951	99	968531	41.560	ng		0.00
23) Nitrobenzene-d5	8.934	82	817733	40.795	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	393158	38.457	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	2107153	40.653	ng		0.00
79) Terphenyl-d14	19.792	244	3051000	42.677	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	159450	20.670	ng		99
3) Pyridine	3.663	79	420529	20.757	ng		99
4) n-Nitrosodimethylamine	3.569	42	157731	20.450	ng		96
6) Aniline	7.104	93	443873	22.228	ng		100
8) 2-Chlorophenol	7.346	128	397524	20.710	ng		99
9) Benzaldehyde	6.916	77	266386	22.294	ng		99
10) Phenol	6.975	94	471508	20.733	ng		99
11) bis(2-Chloroethyl)ether	7.198	93	364893	20.461	ng		98
12) 1,3-Dichlorobenzene	7.669	146	469124	20.672	ng		100
13) 1,4-Dichlorobenzene	7.816	146	473136	20.720	ng		100
14) 1,2-Dichlorobenzene	8.134	146	446077	20.740	ng		99
15) Benzyl Alcohol	8.016	79	302185	20.592	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	417355	20.996	ng		99
17) 2-Methylphenol	8.222	107	291405	20.793	ng		99
18) Hexachloroethane	8.857	117	165304	20.807	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	273519	21.191	ng		99
20) 3+4-Methylphenols	8.551	107	396422	20.748	ng		98
22) Acetophenone	8.598	105	554070	20.425	ng	#	99
24) Nitrobenzene	8.975	77	395594	20.496	ng		99
25) Isophorone	9.504	82	683707	20.361	ng		100
26) 2-Nitrophenol	9.687	139	203797	19.922	ng		97
27) 2,4-Dimethylphenol	9.751	122	231983	20.010	ng		100
28) bis(2-Chloroethoxy)met...	9.981	93	459217	20.427	ng		99
29) 2,4-Dichlorophenol	10.222	162	388584	20.164	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	448099	20.099	ng		100
31) Naphthalene	10.622	128	1166673	20.341	ng		99
32) Benzoic acid	9.839	122	195350	19.812	ng		97
33) 4-Chloroaniline	10.728	127	420078	20.742	ng		99
34) Hexachlorobutadiene	10.916	225	273841	19.857	ng		99
35) Caprolactam	11.504	113	111645	20.199	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	340457	20.168	ng		98
37) 2-Methylnaphthalene	12.239	142	813541	20.132	ng		100
38) 1-Methylnaphthalene	12.457	142	793590	20.158	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	489705	19.915	ng		99
41) Hexachlorocyclopentadiene	12.592	237	173683	20.158	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	311742	19.924	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	332054	19.528	ng	96
46) 1,1'-Biphenyl	13.251	154	1063836	20.361	ng	99
47) 2-Chloronaphthalene	13.292	162	835052	20.334	ng	100
48) 2-Nitroaniline	13.492	65	191426	20.149	ng	94
49) Acenaphthylene	14.145	152	1207654	20.189	ng	99
50) Dimethylphthalate	13.880	163	1005157	20.271	ng	100
51) 2,6-Dinitrotoluene	13.992	165	212702	20.474	ng	98
52) Acenaphthene	14.486	154	765635	20.122	ng	99
53) 3-Nitroaniline	14.322	138	203884	20.306	ng	98
54) 2,4-Dinitrophenol	14.533	184	104048	19.806	ng	97
55) Dibenzofuran	14.822	168	1280124	20.125	ng	99
56) 4-Nitrophenol	14.639	139	180482	20.171	ng	98
57) 2,4-Dinitrotoluene	14.780	165	277724	20.039	ng	99
58) Fluorene	15.469	166	1019442	20.163	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	292142	19.603	ng	99
60) Diethylphthalate	15.245	149	968568	20.369	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	535017	19.737	ng	96
62) 4-Nitroaniline	15.480	138	211717	20.390	ng	93
63) Azobenzene	15.757	77	832670	20.453	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	164040	18.880	ng	94
66) n-Nitrosodiphenylamine	15.680	169	835415	20.246	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	312714	19.537	ng	97
68) Hexachlorobenzene	16.474	284	361698	19.701	ng	96
69) Atrazine	16.627	200	195306	18.255	ng	98
70) Pentachlorophenol	16.821	266	263410	19.488	ng	99
71) Phenanthrene	17.210	178	1510233	19.979	ng	99
72) Anthracene	17.298	178	1481463	19.887	ng	100
73) Carbazole	17.568	167	1411278	20.114	ng	98
74) Di-n-butylphthalate	18.133	149	1638787	20.278	ng	99
75) Fluoranthene	19.221	202	1806131	19.433	ng	99
77) Benzidine	19.409	184	274181	15.426	ng	99
78) Pyrene	19.586	202	1868988	20.242	ng	99
80) Butylbenzylphthalate	20.486	149	719491	20.738	ng	98
81) Benzo(a)anthracene	21.386	228	1788846	20.090	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	658767	19.592	ng	99
83) Chrysene	21.445	228	1689336	19.957	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	1058190	20.934	ng	99
85) Di-n-octyl phthalate	22.445	149	1830449	20.699	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	2199957	19.848	ng	99
88) Benzo(b)fluoranthene	23.456	252	1818051	19.144	ng	99
89) Benzo(k)fluoranthene	23.521	252	1797007	19.527	ng	99
90) Benzo(a)pyrene	24.262	252	1629441	19.526	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	1792231	19.631	ng	100
92) Benzo(g,h,i)perylene	28.844	276	1866337	20.005	ng	98

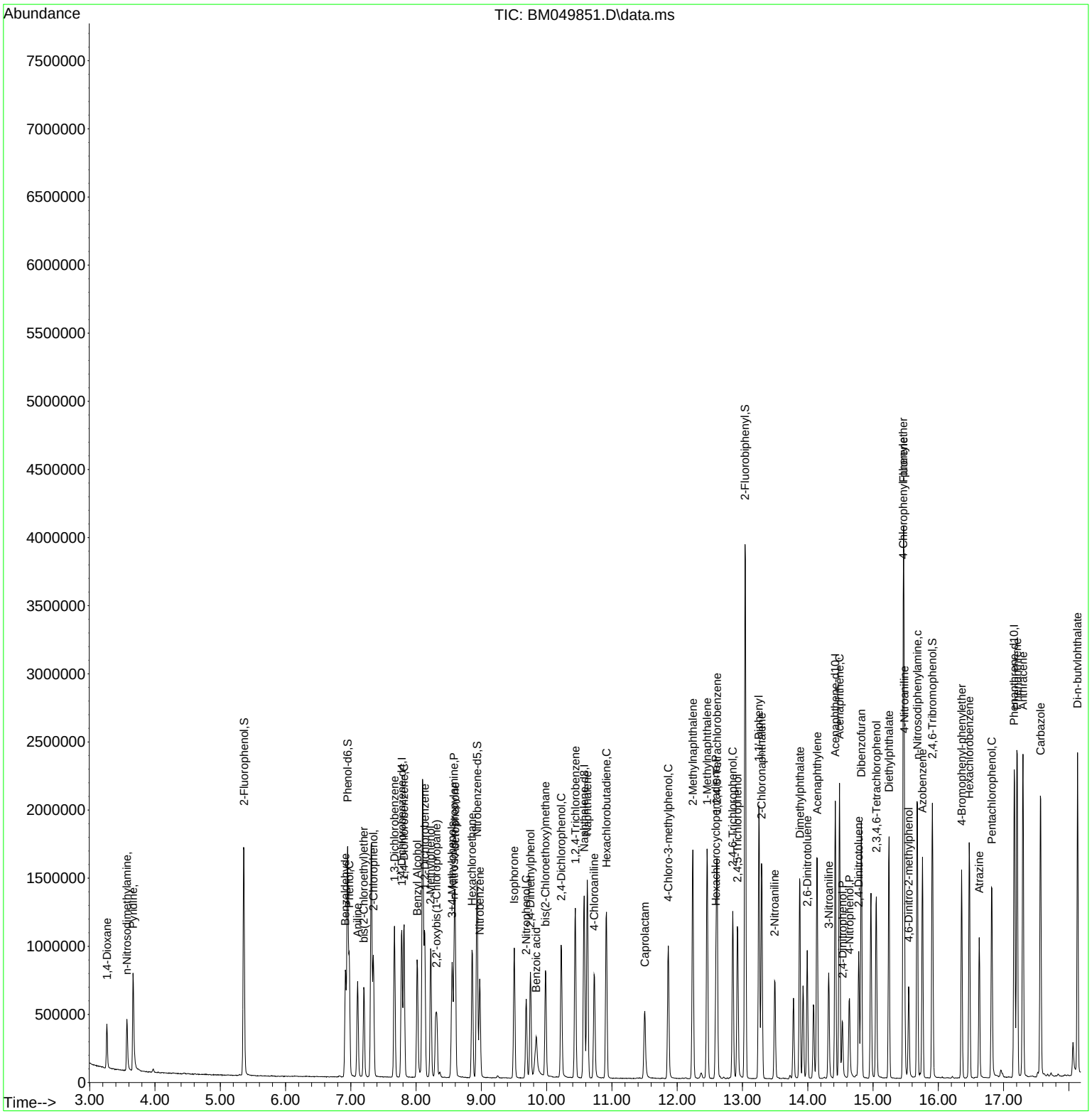
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

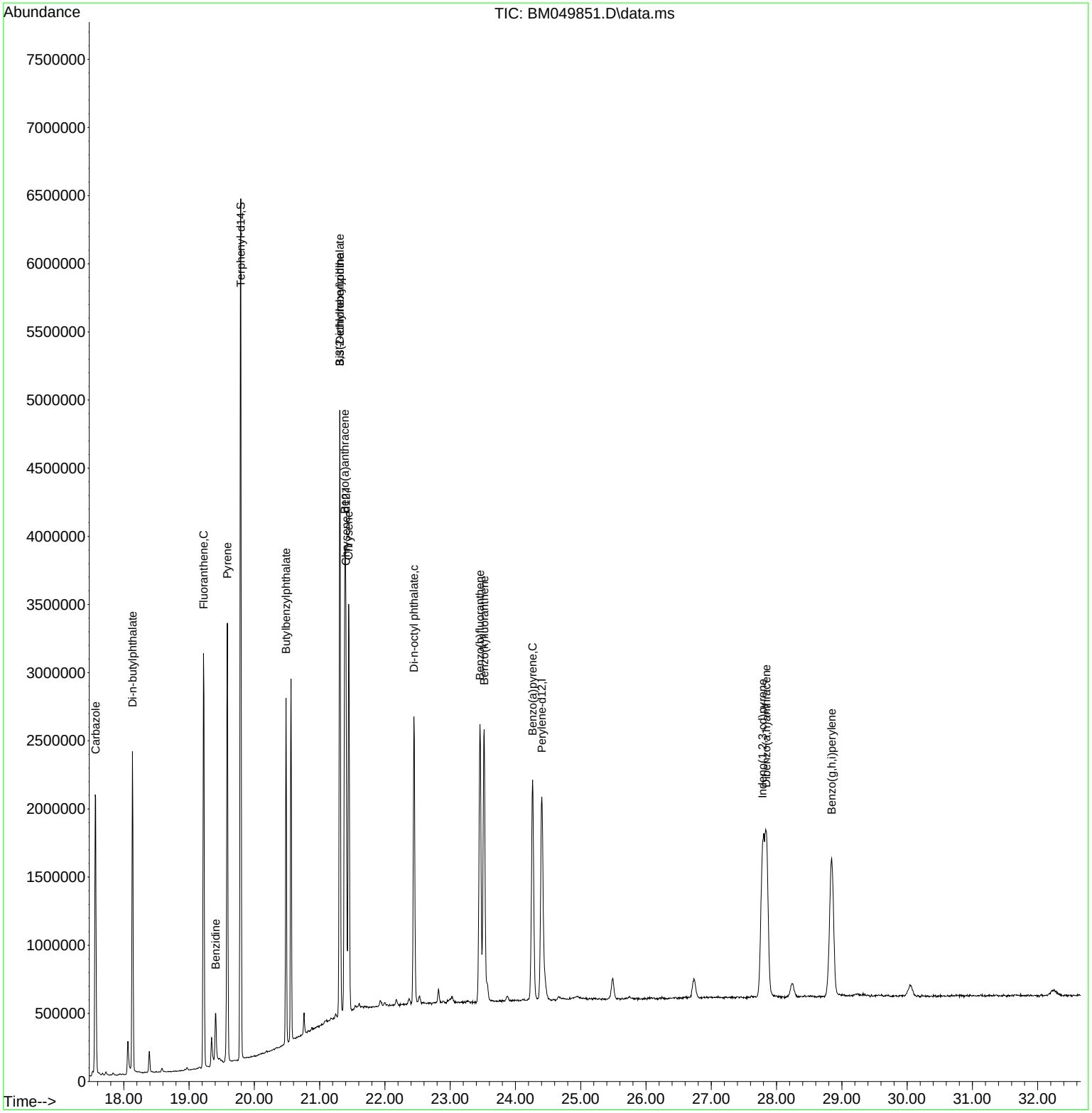
Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

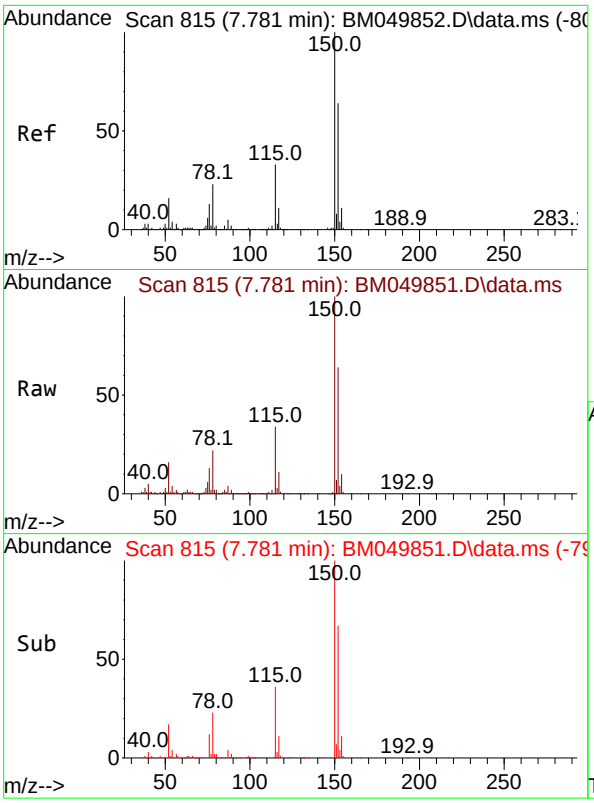


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



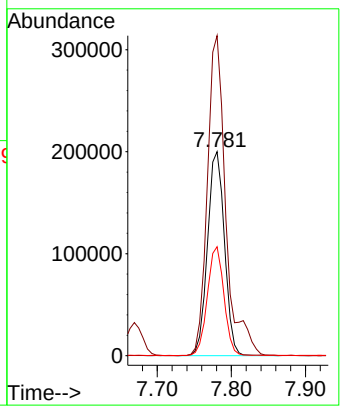


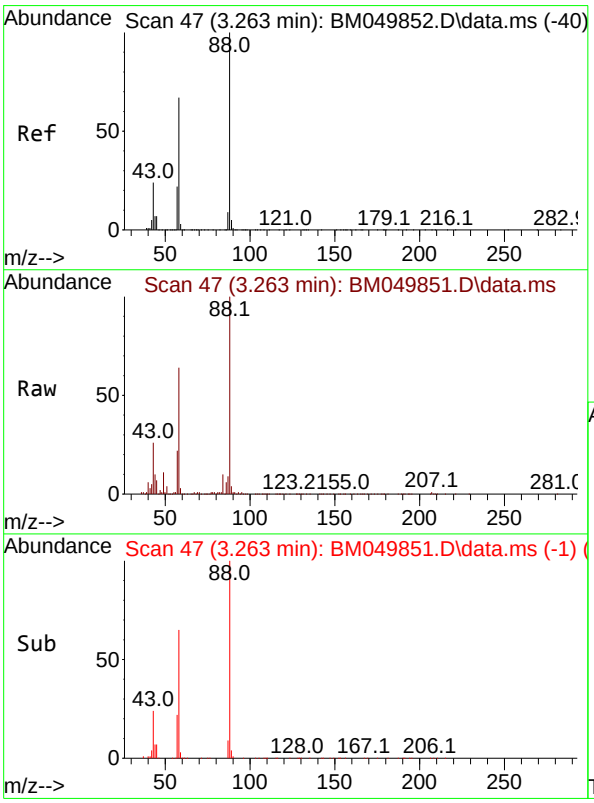
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 318059

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.3	186.5
115	53.4	41.1	61.7

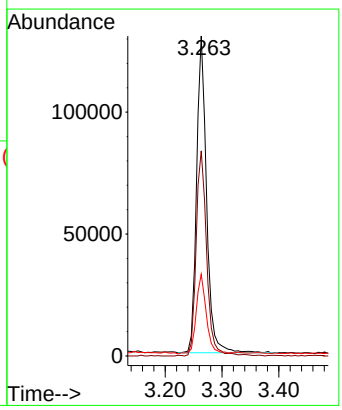


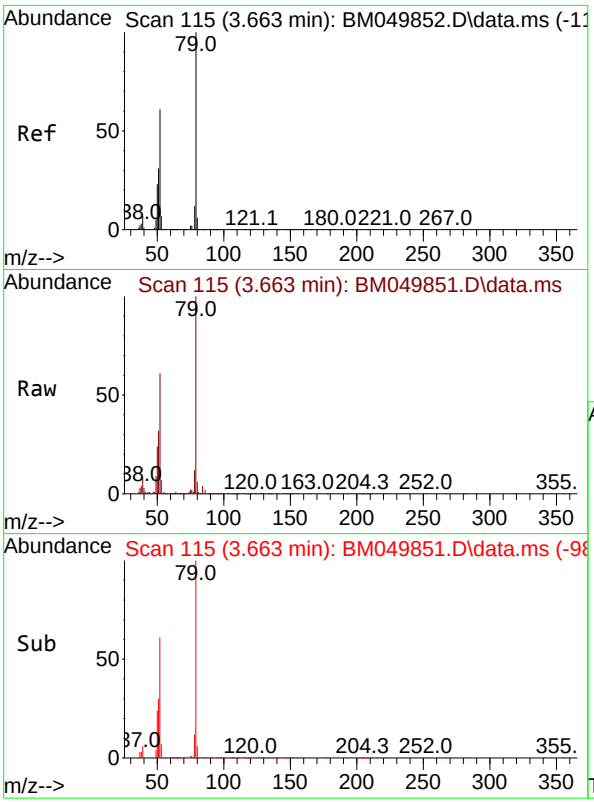


#2
1,4-Dioxane
Concen: 20.670 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 88 Resp: 159450

Ion	Ratio	Lower	Upper
88	100		
58	68.5	54.1	81.1
43	25.5	20.2	30.4



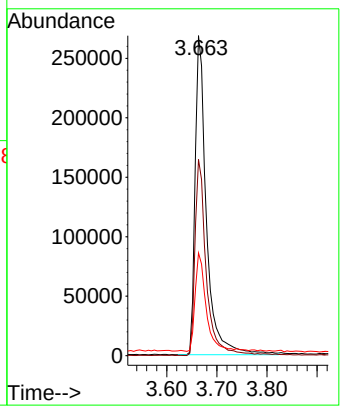


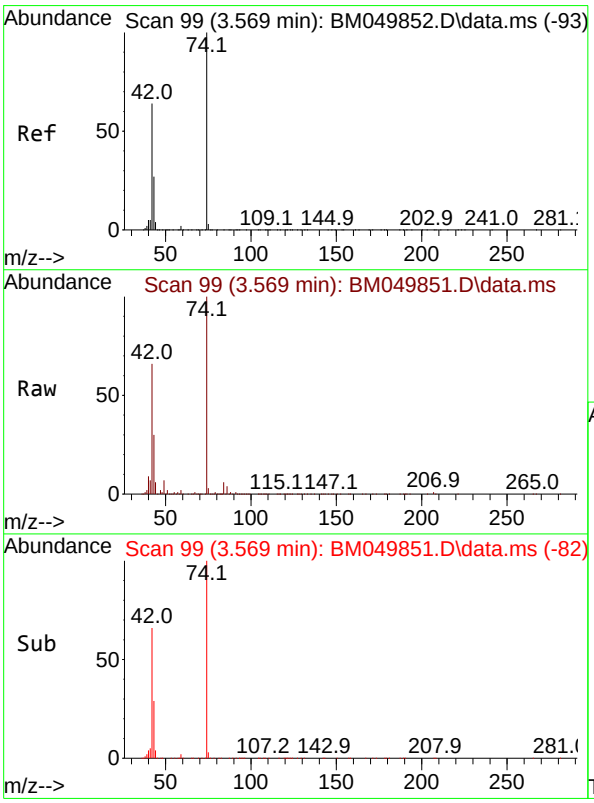
#3
Pyridine
Concen: 20.757 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 420529

Ion	Ratio	Lower	Upper
79	100		
52	61.3	48.9	73.3
51	32.1	25.0	37.6

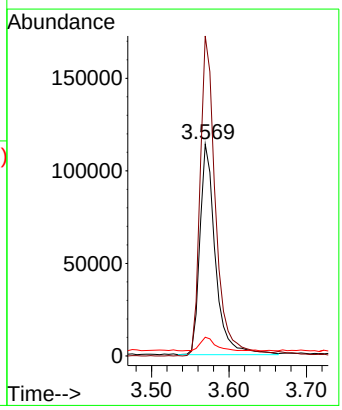


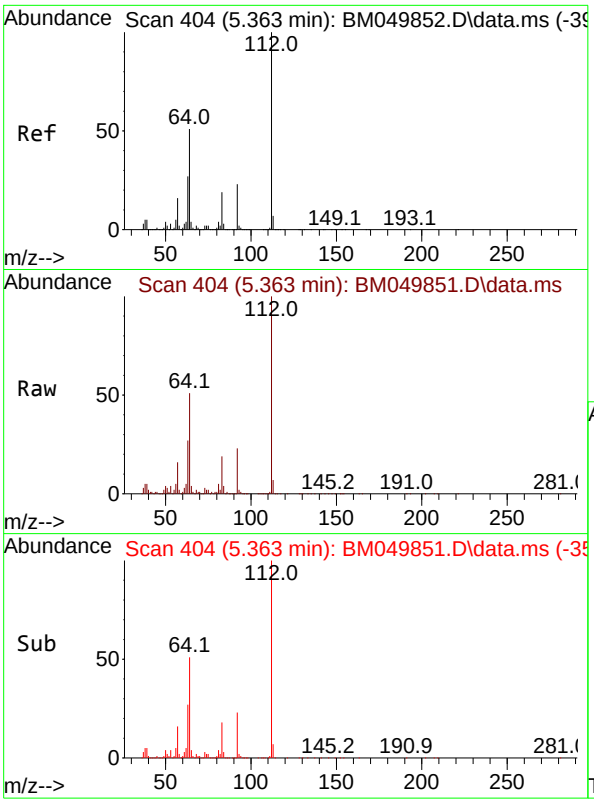


#4
n-Nitrosodimethylamine
Concen: 20.450 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 42 Resp: 157731

Ion	Ratio	Lower	Upper
42	100		
74	151.1	125.4	188.2
44	8.9	5.9	8.9



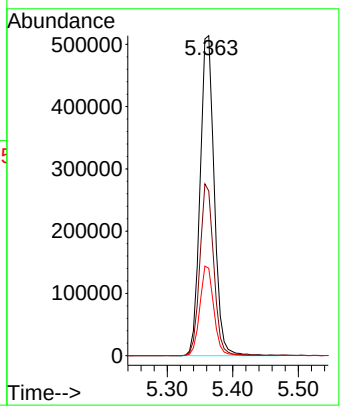


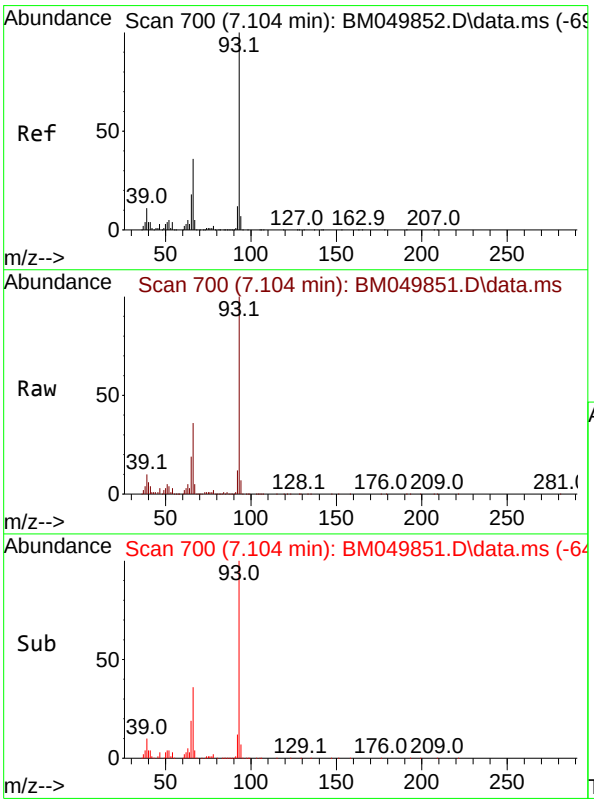
#5
2-Fluorophenol
Concen: 41.186 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 771430

Ion	Ratio	Lower	Upper
112	100		
64	51.5	41.0	61.6
63	27.3	21.5	32.3

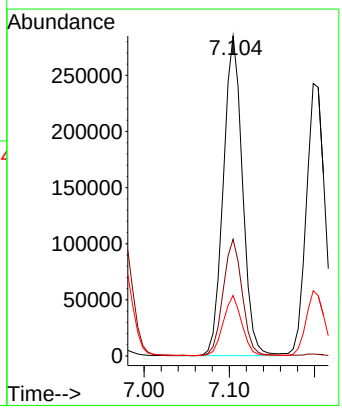


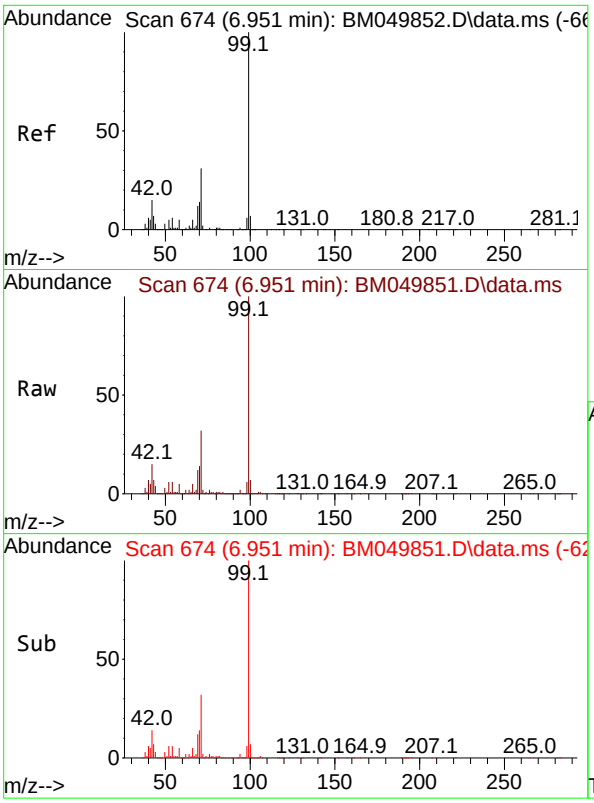


#6
Aniline
Concen: 22.228 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 93 Resp: 443873

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.9	14.9	22.3



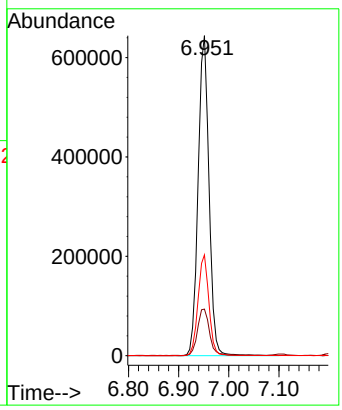


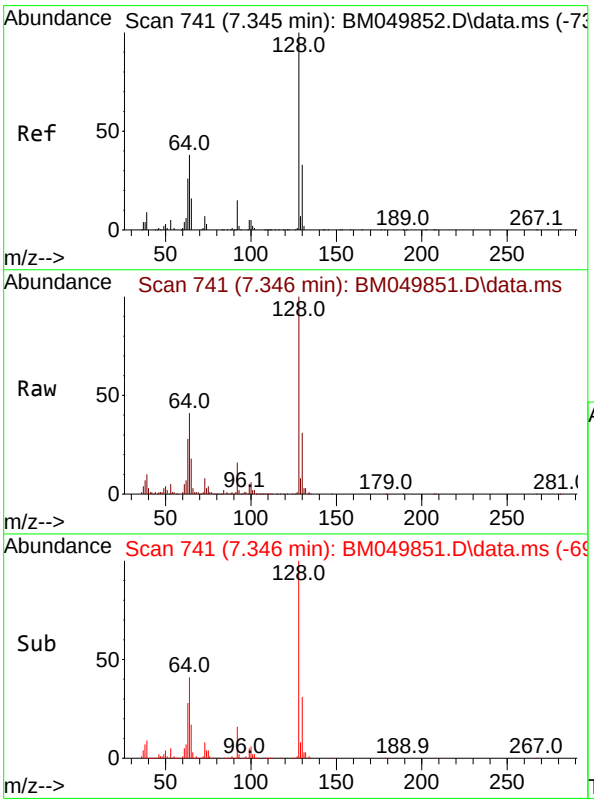
#7
Phenol-d6
Concen: 41.560 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 968531

Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.1	18.1
71	31.5	24.9	37.3

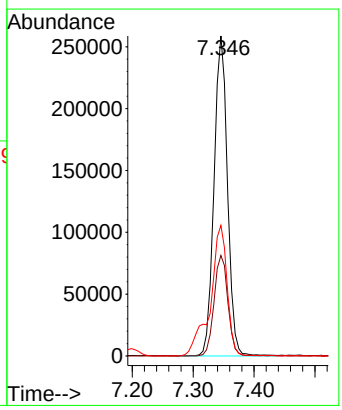


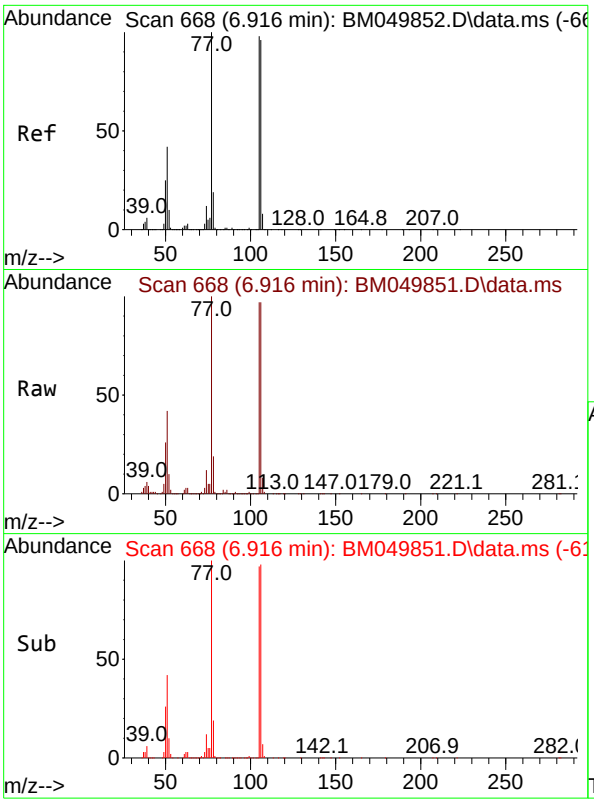


#8
2-Chlorophenol
Concen: 20.710 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:128 Resp: 397524

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.6	52.6
64	40.8	21.1	61.1



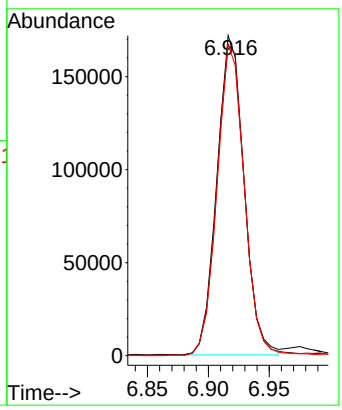


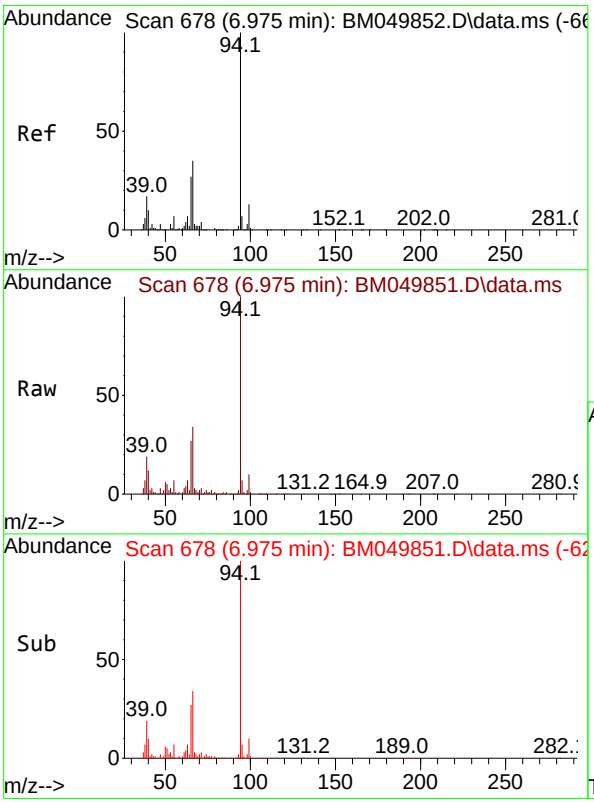
#9
Benzaldehyde
Concen: 22.294 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 266386

Ion	Ratio	Lower	Upper
77	100		
105	97.1	78.3	118.3
106	97.4	76.0	116.0

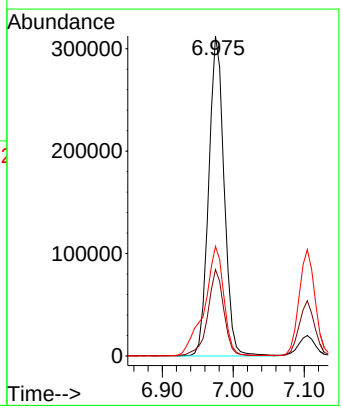


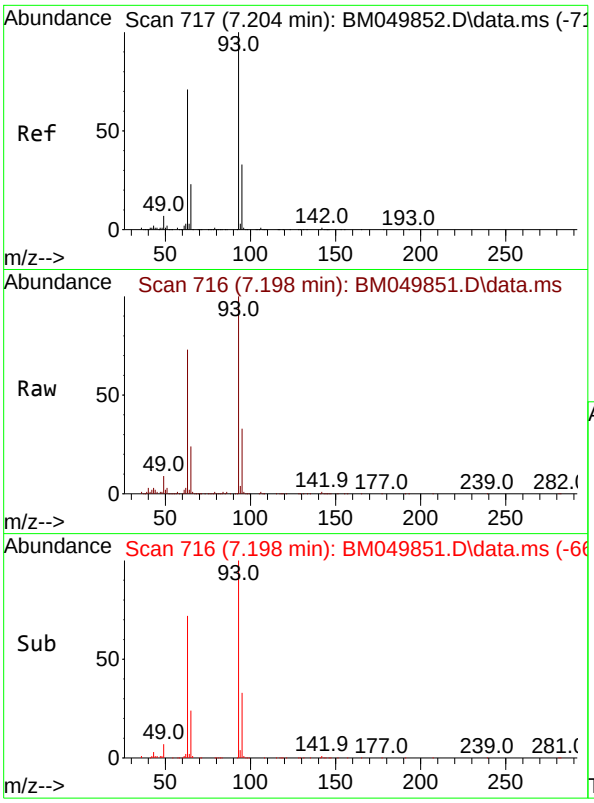


#10
Phenol
Concen: 20.733 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 94 Resp: 471508

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.3	47.3
66	34.3	14.8	54.8



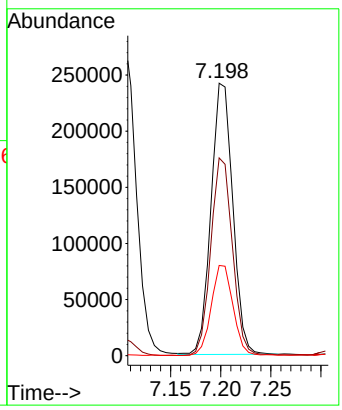


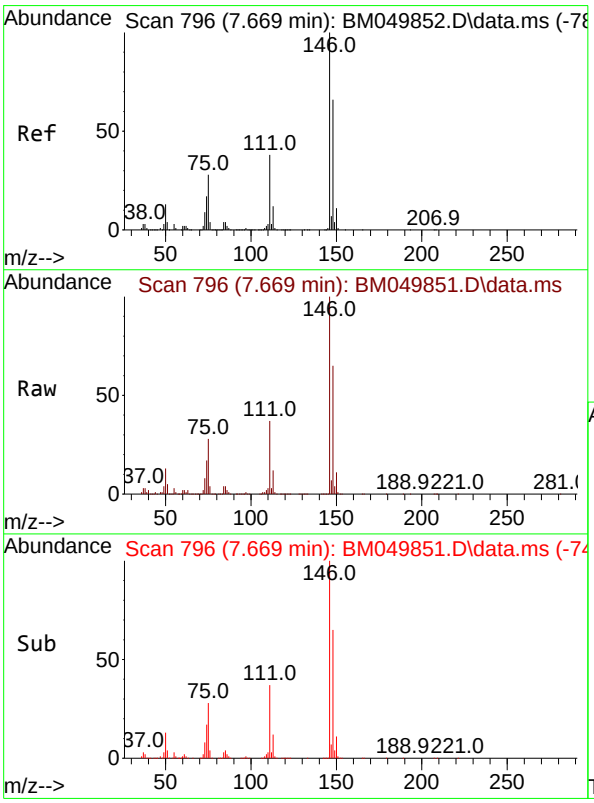
#11
bis(2-Chloroethyl)ether
Concen: 20.461 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 364893

Ion	Ratio	Lower	Upper
93	100		
63	72.6	50.9	90.9
95	33.1	12.6	52.6

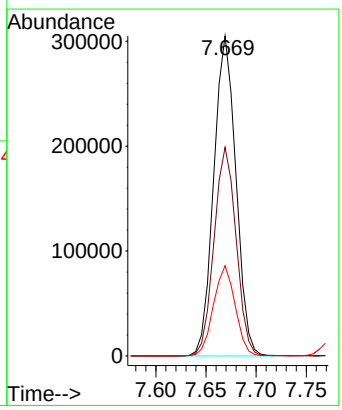


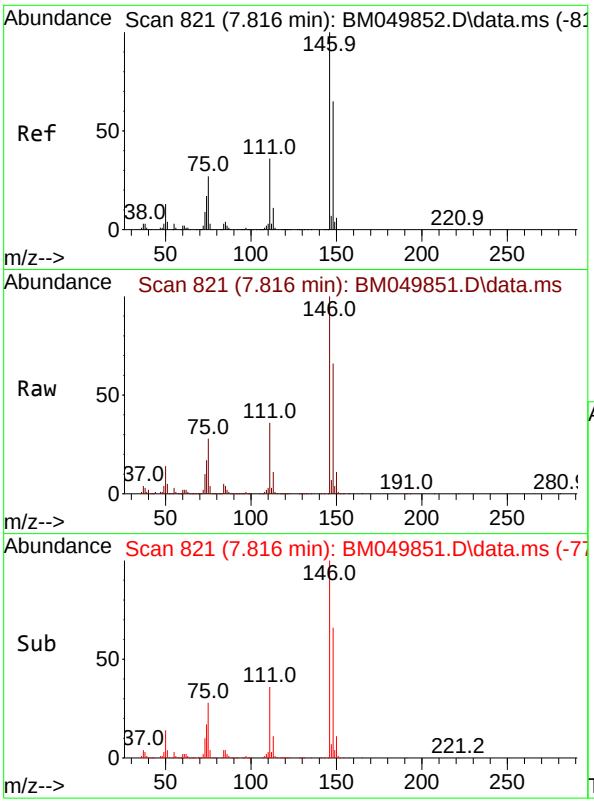


#12
1,3-Dichlorobenzene
Concen: 20.672 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:146 Resp: 469124

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.5	78.7
75	28.2	22.5	33.7



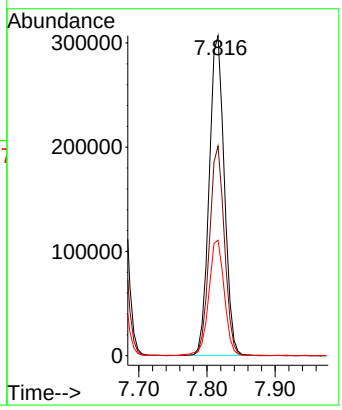


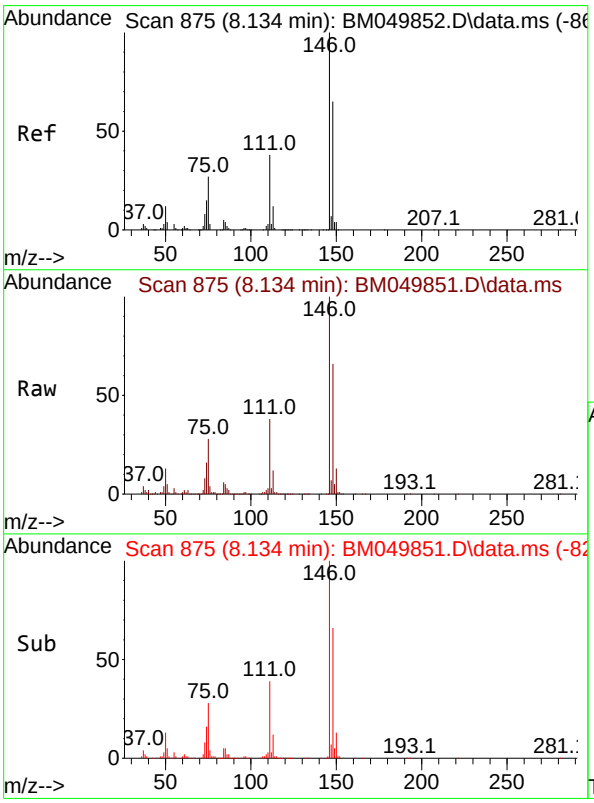
#13
1,4-Dichlorobenzene
Concen: 20.720 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 473136

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	36.1	28.5	42.7

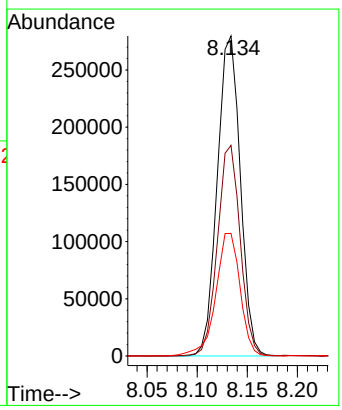


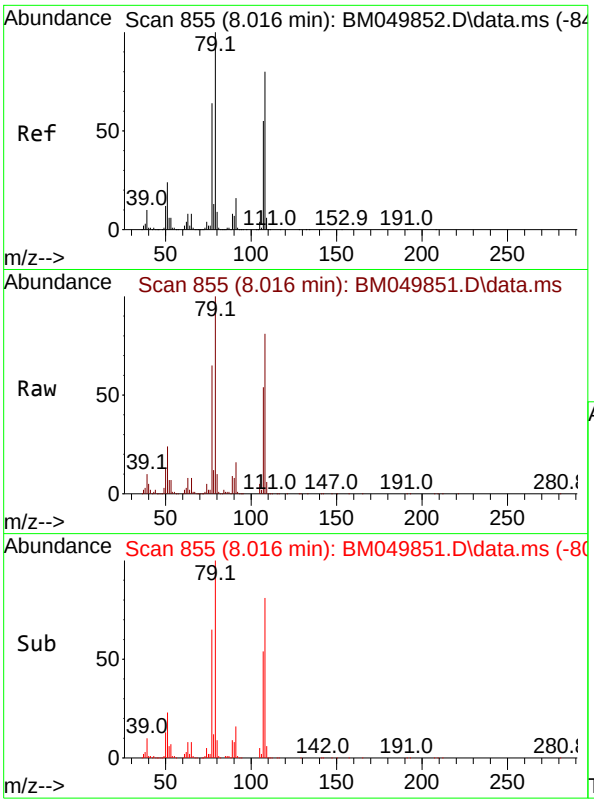


#14
1,2-Dichlorobenzene
Concen: 20.740 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:146 Resp: 446077

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.8	77.8
111	38.3	30.2	45.4



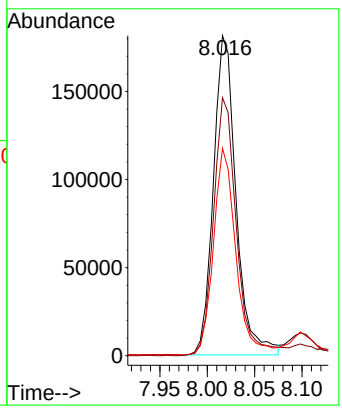


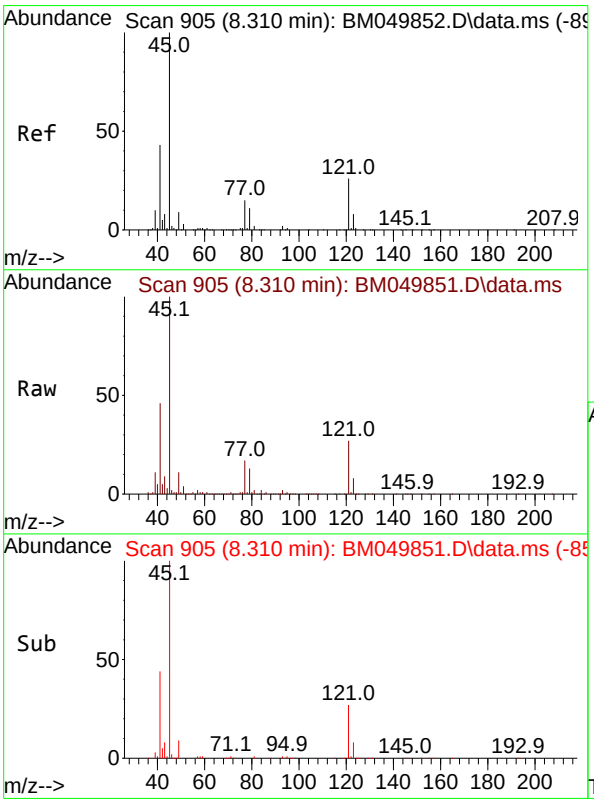
#15
Benzyl Alcohol
Concen: 20.592 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 302185

Ion	Ratio	Lower	Upper
79	100		
108	80.6	63.6	95.4
77	64.8	51.3	76.9

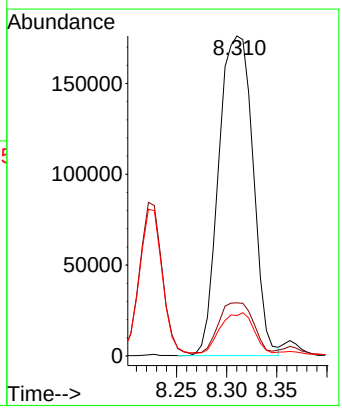


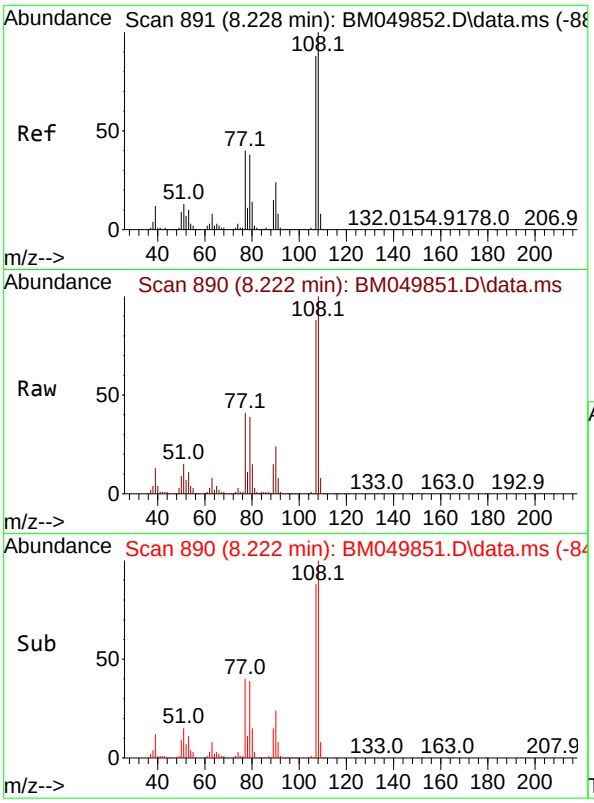


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.996 ng
RT: 8.310 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 45 Resp: 417355

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.9
79	12.7	0.0	32.9



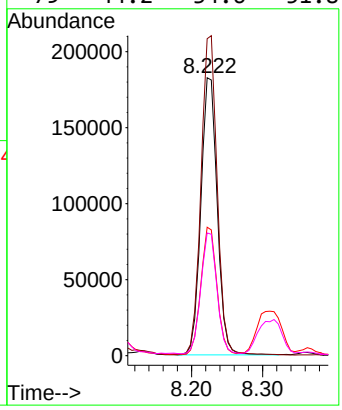


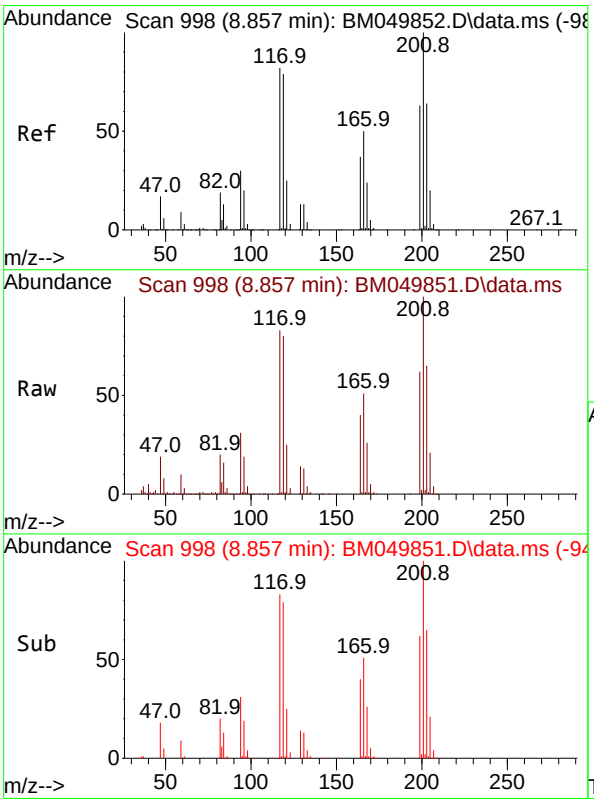
#17
2-Methylphenol
Concen: 20.793 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 291405

Ion	Ratio	Lower	Upper
107	100		
108	114.0	91.0	136.6
77	46.2	36.5	54.7
79	44.2	34.6	51.8

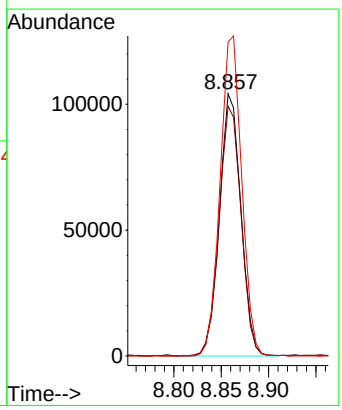


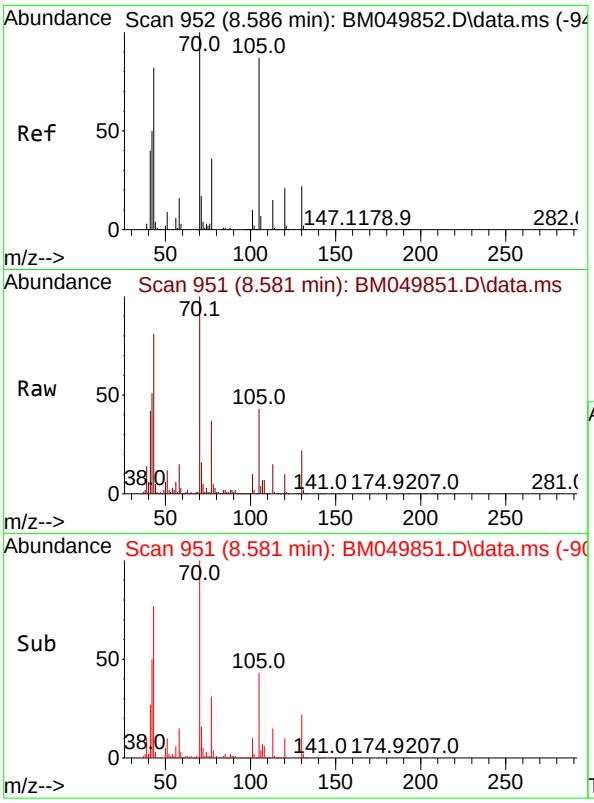


#18
Hexachloroethane
Concen: 20.807 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:117 Resp: 165304

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.5	116.3
201	119.8	97.7	146.5



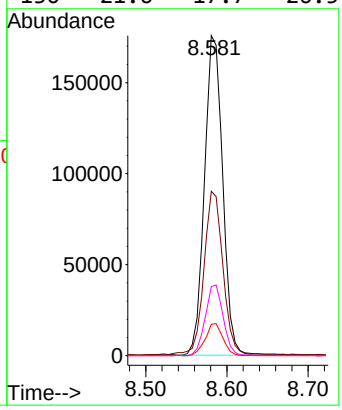


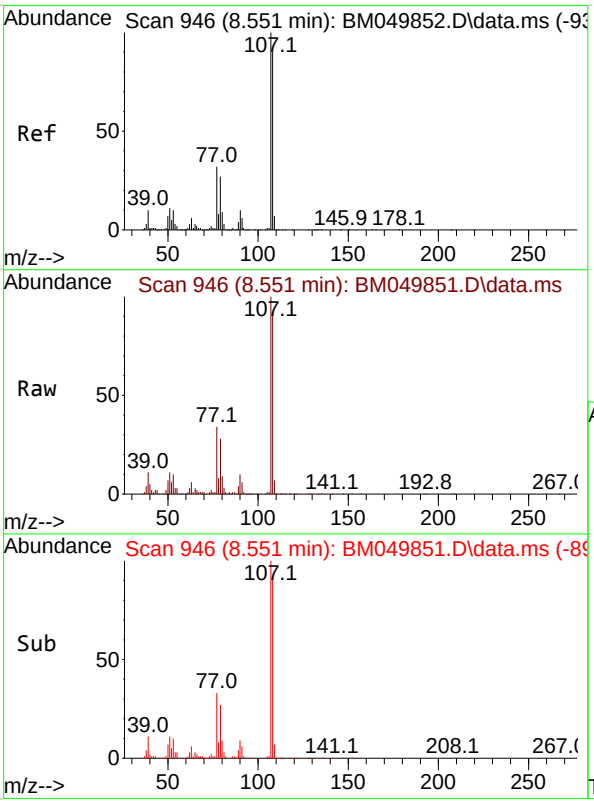
#19
n-Nitroso-di-n-propylamine
Concen: 21.191 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 273519

Ion	Ratio	Lower	Upper
70	100		
42	51.4	40.2	60.2
101	9.8	7.9	11.9
130	21.6	17.7	26.5

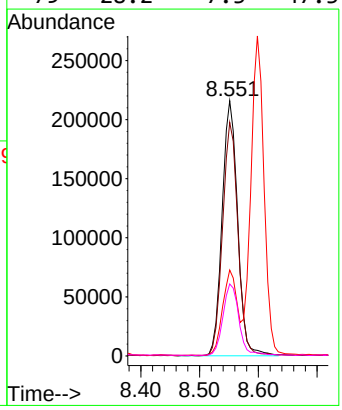


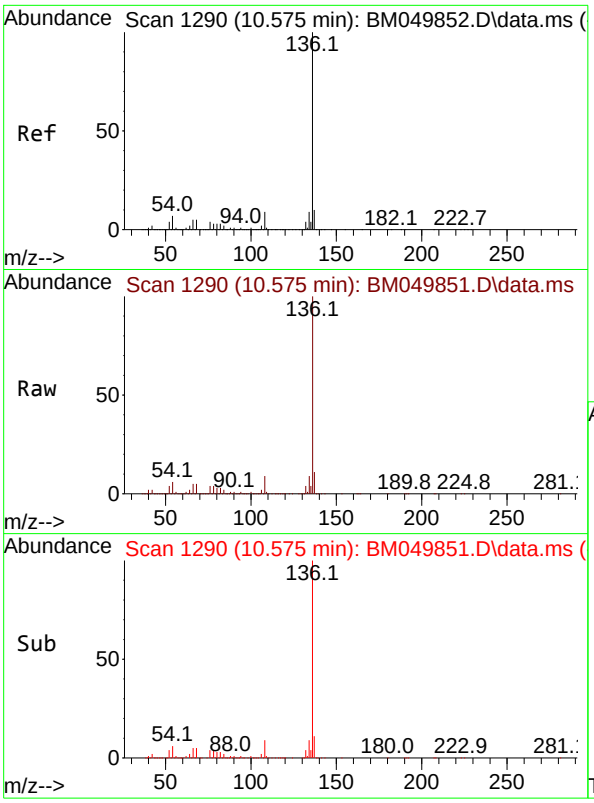


#20
3+4-Methylphenols
Concen: 20.748 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:107 Resp: 396422

Ion	Ratio	Lower	Upper
107	100		
108	91.5	69.6	109.6
77	33.7	11.7	51.7
79	28.2	7.3	47.3



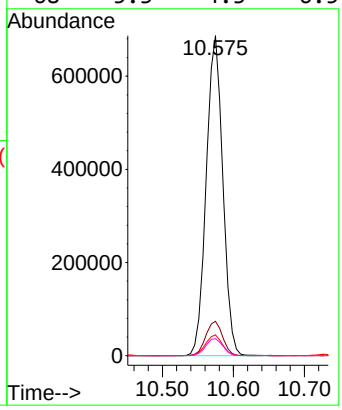


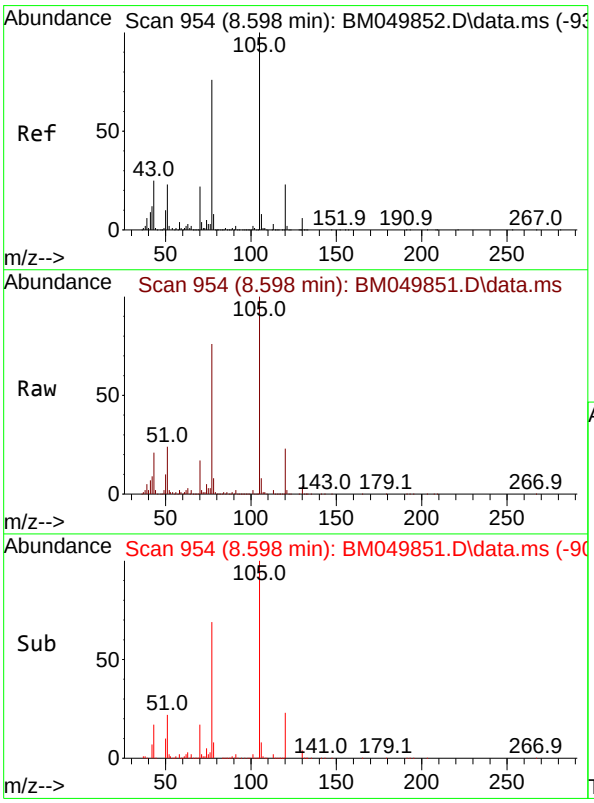
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1116195

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.5	5.3	7.9
68	5.3	4.3	6.5

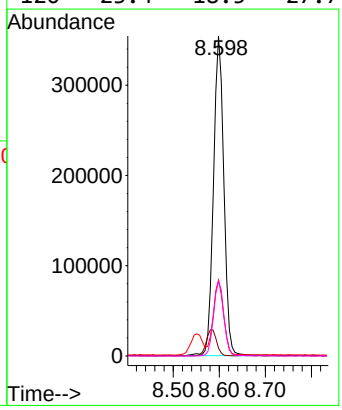


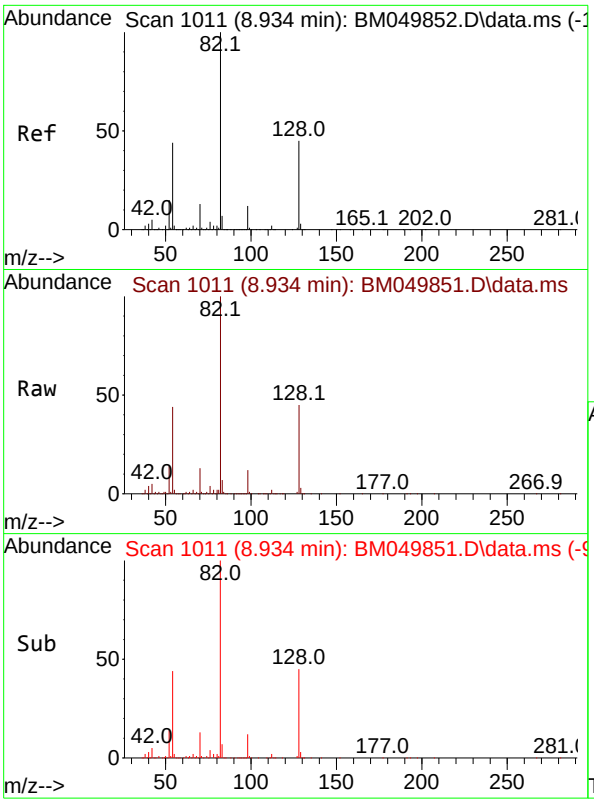


#22
Acetophenone
Concen: 20.425 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:105 Resp: 554070

Ion	Ratio	Lower	Upper
105	100		
71	2.5	3.0	4.4#
51	23.7	18.6	27.8
120	23.4	18.5	27.7



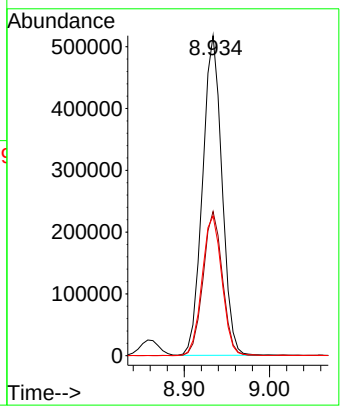


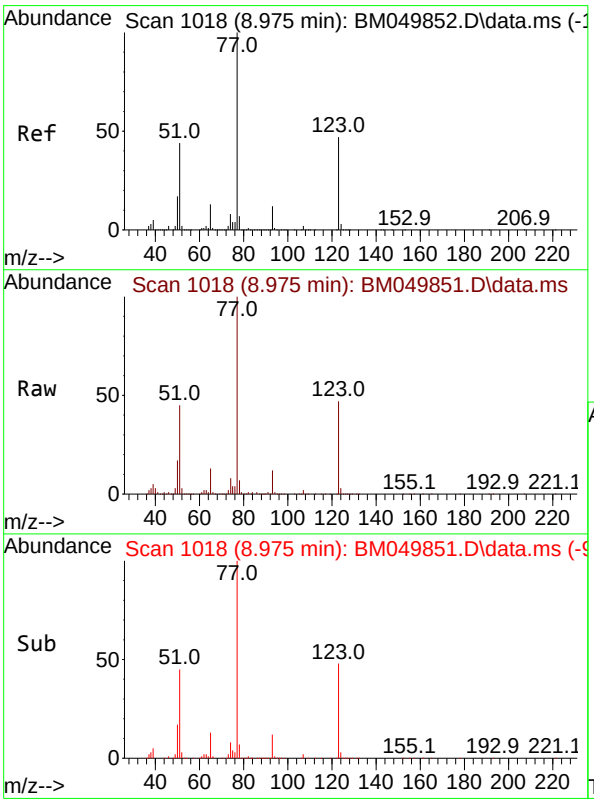
#23
Nitrobenzene-d5
Concen: 40.795 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 817733

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.2	54.2
54	43.6	35.0	52.6

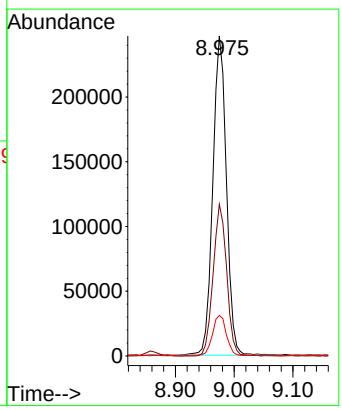


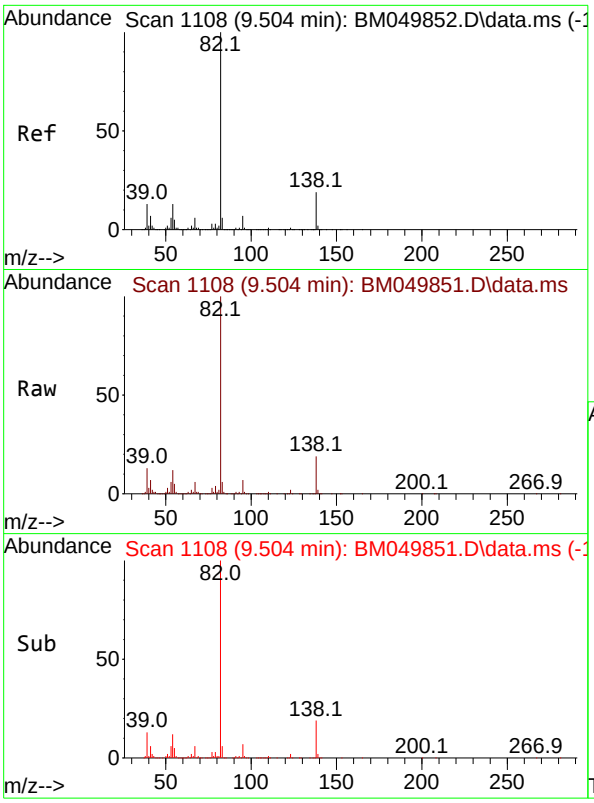


#24
Nitrobenzene
Concen: 20.496 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 77 Resp: 395594

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.4	56.2
65	12.7	10.1	15.1



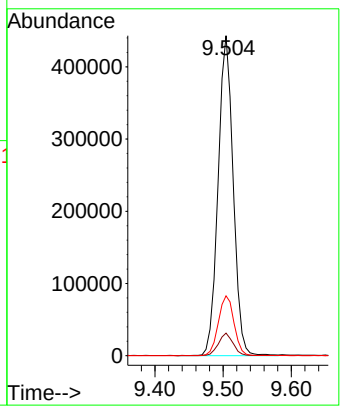


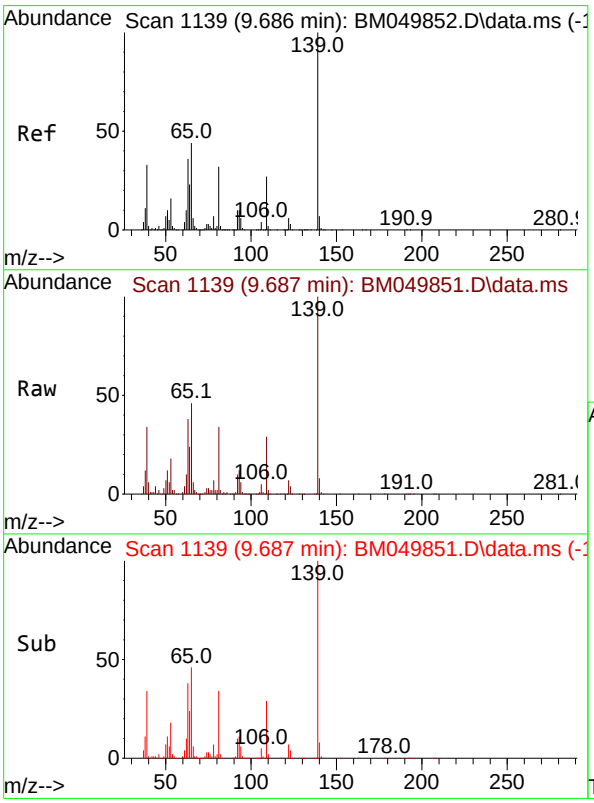
#25
Isophorone
Concen: 20.361 ng
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 683707

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.7	15.0	22.6

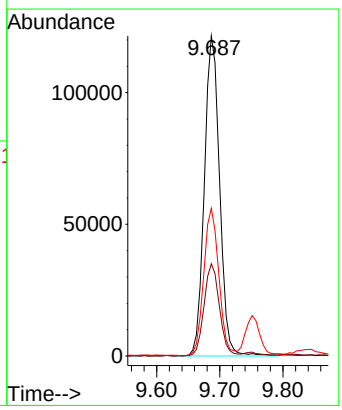


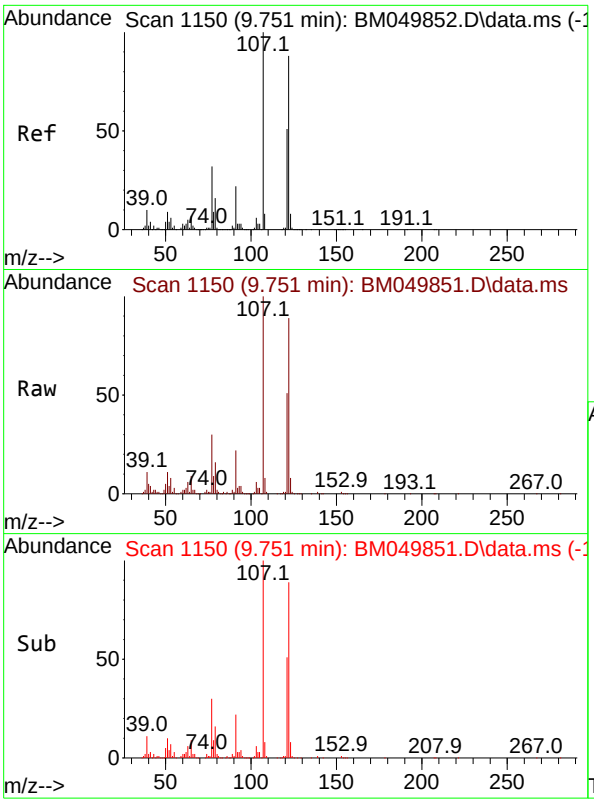


#26
2-Nitrophenol
Concen: 19.922 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:139 Resp: 203797

Ion	Ratio	Lower	Upper
139	100		
109	28.8	21.7	32.5
65	46.1	35.2	52.8



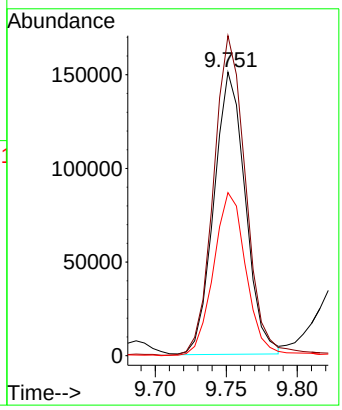


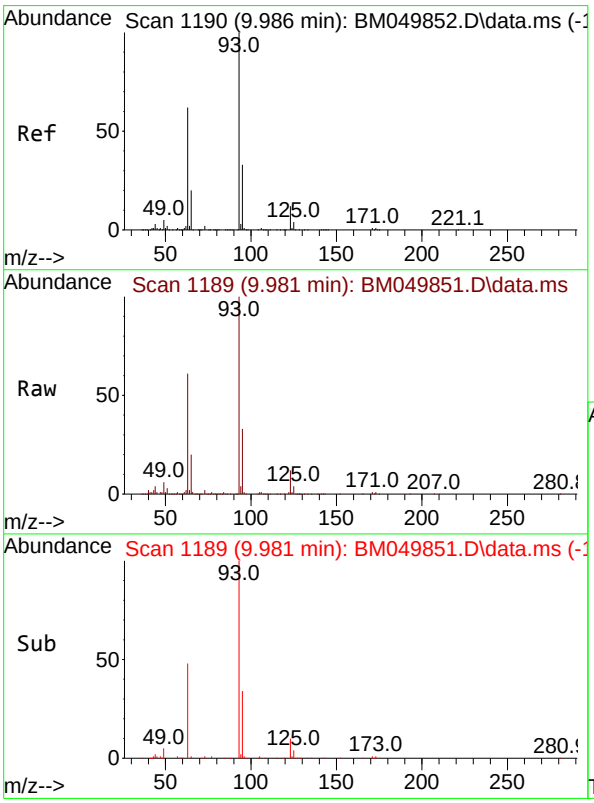
#27
2,4-Dimethylphenol
Concen: 20.010 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 231983

Ion	Ratio	Lower	Upper
122	100		
107	112.8	90.3	135.5
121	57.5	46.1	69.1

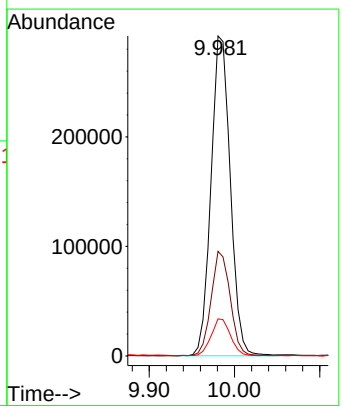


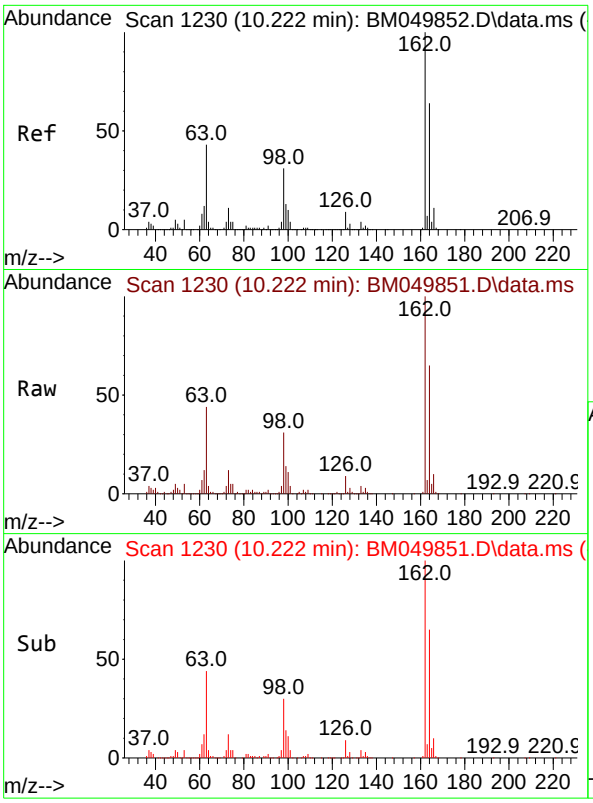


#28
bis(2-Chloroethoxy)methane
Concen: 20.427 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 93 Resp: 459217

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.6	9.5	14.3



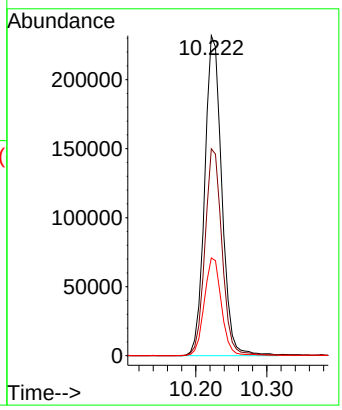


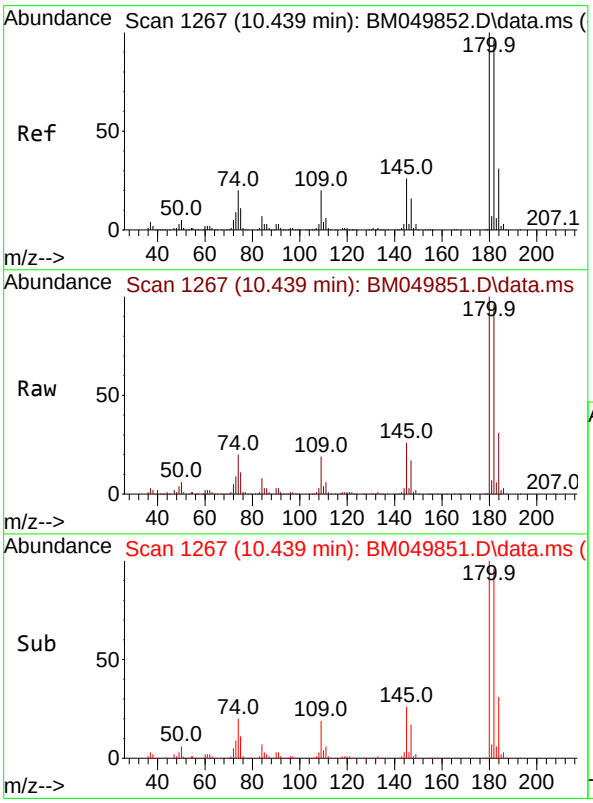
#29
2,4-Dichlorophenol
Concen: 20.164 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 388584

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	30.6	10.9	50.9

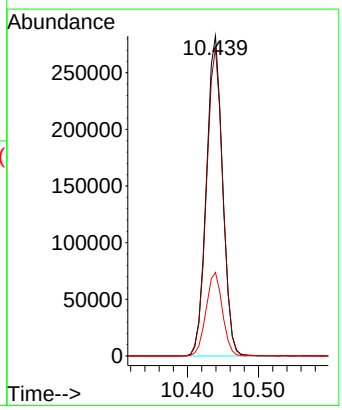


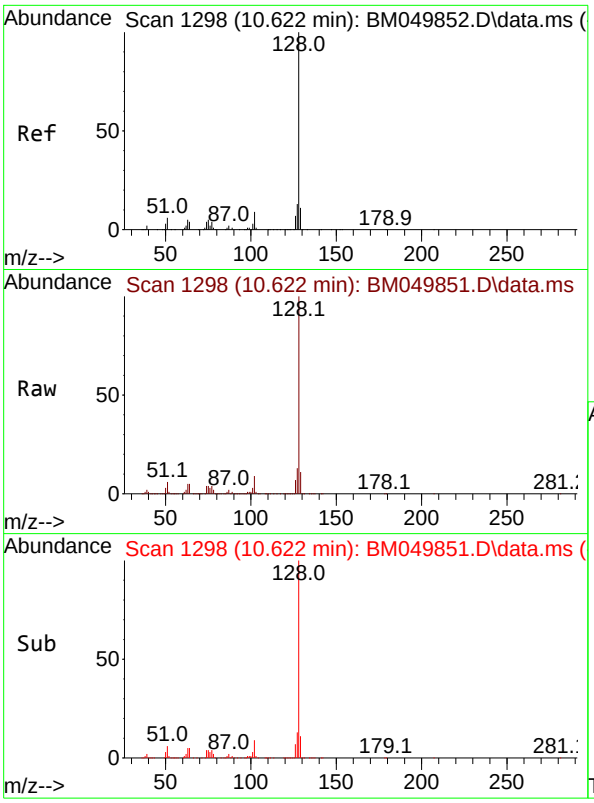


#30
1,2,4-Trichlorobenzene
Concen: 20.099 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:180 Resp: 448099

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
145	26.1	20.8	31.2



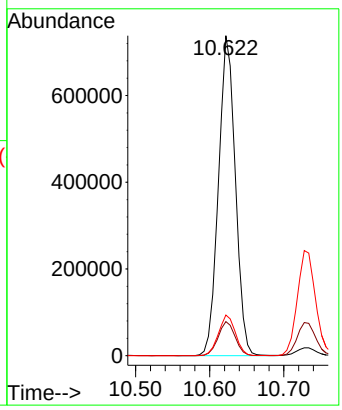


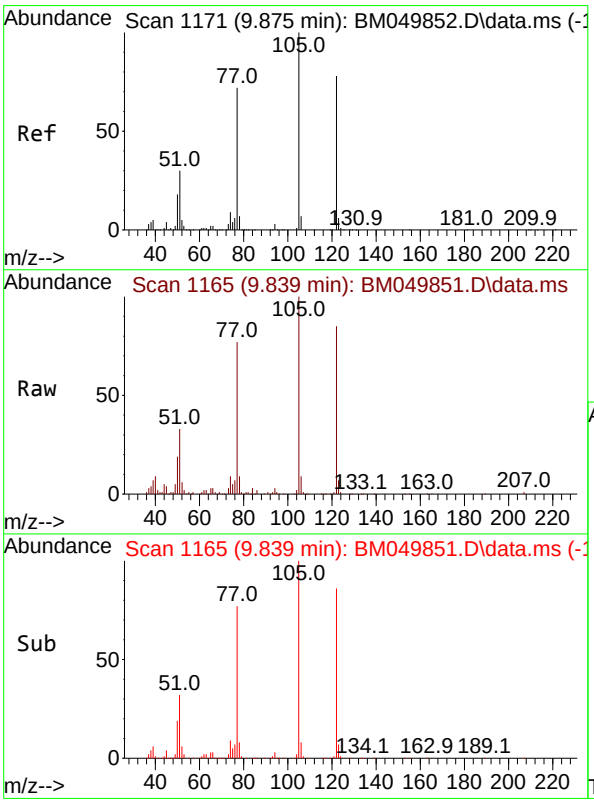
#31
Naphthalene
Concen: 20.341 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1166673

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.7	10.6	15.8

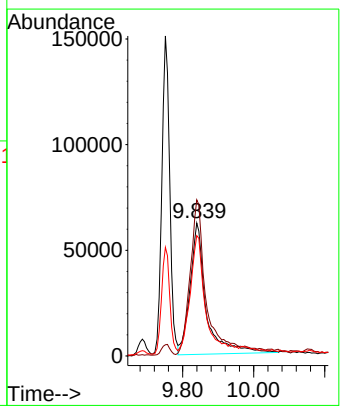


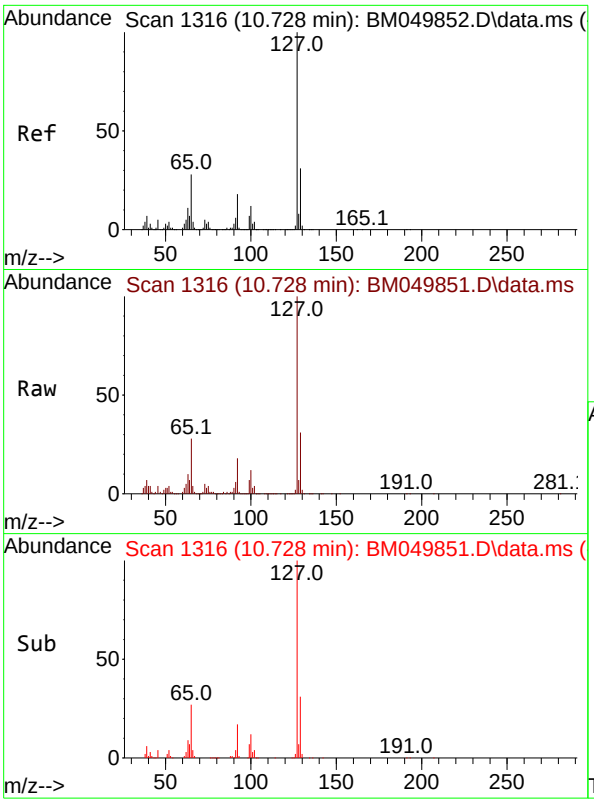


#32
Benzoic acid
Concen: 19.812 ng
RT: 9.839 min Scan# 1165
Delta R.T. -0.036 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:122 Resp: 195350

Ion	Ratio	Lower	Upper
122	100		
105	117.4	103.8	143.8
77	90.5	70.7	110.7



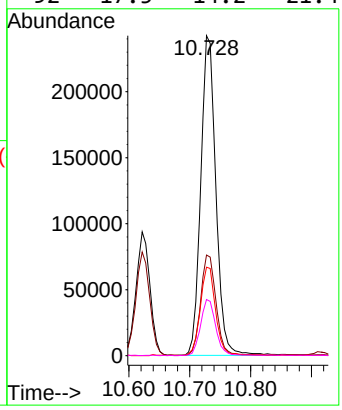


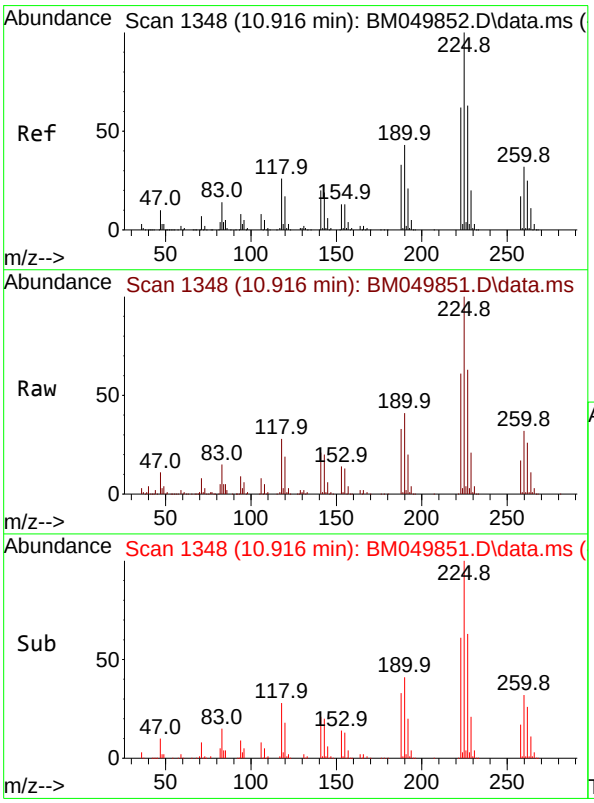
#33
4-Chloroaniline
Concen: 20.742 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420078

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.9	37.3
65	27.6	22.4	33.6
92	17.5	14.2	21.4

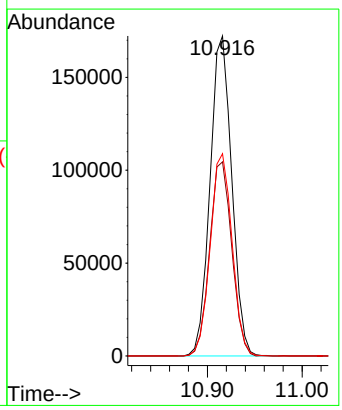


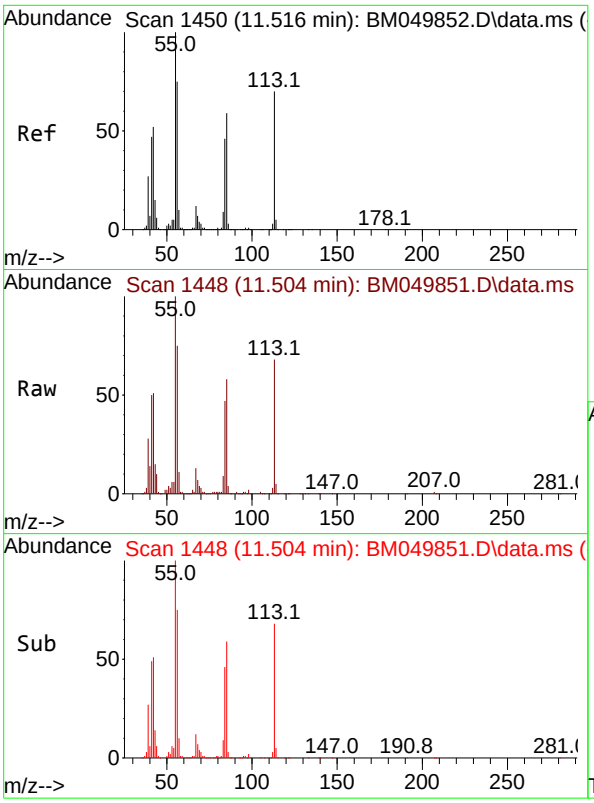


#34
Hexachlorobutadiene
Concen: 19.857 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:225 Resp: 273841

Ion	Ratio	Lower	Upper
225	100		
223	60.6	49.4	74.2
227	63.2	50.1	75.1



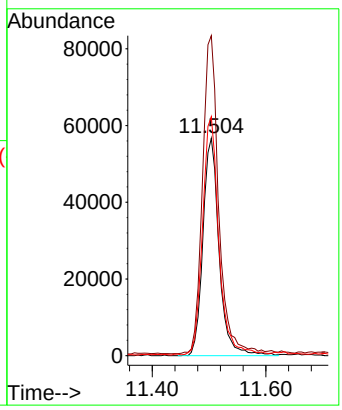


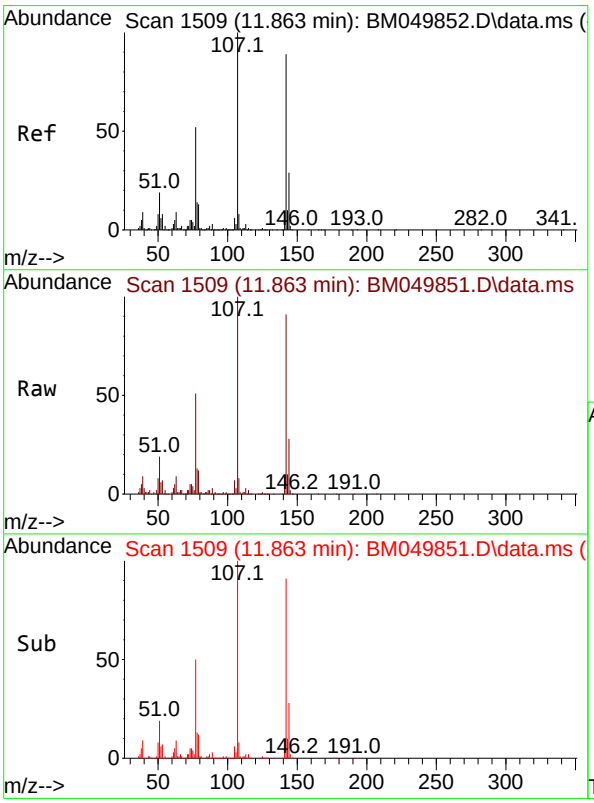
#35
Caprolactam
Concen: 20.199 ng
RT: 11.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 111645

Ion	Ratio	Lower	Upper
113	100		
55	147.1	124.3	164.3
56	109.9	87.5	127.5

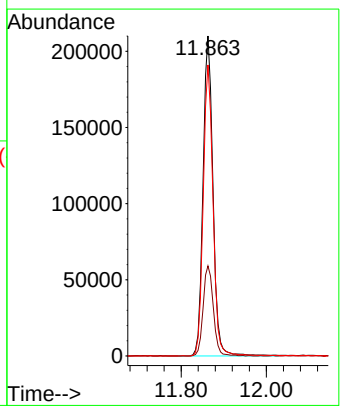


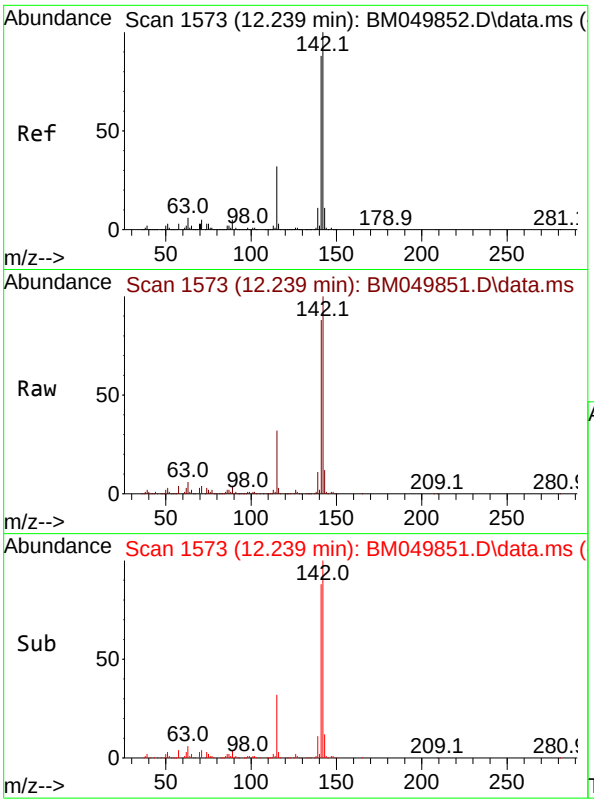


#36
4-Chloro-3-methylphenol
Concen: 20.168 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:107 Resp: 340457

Ion	Ratio	Lower	Upper
107	100		
144	28.1	23.6	35.4
142	91.0	71.4	107.0



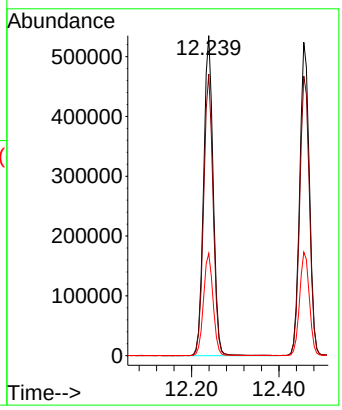


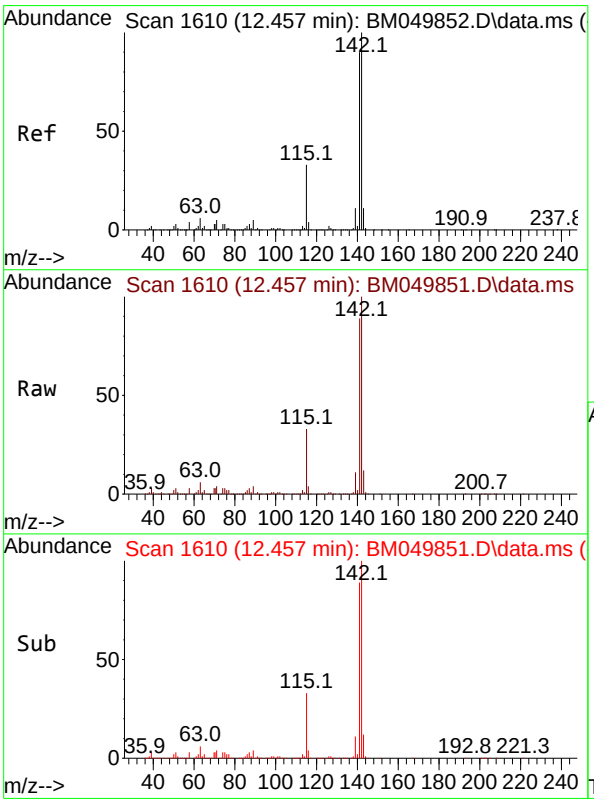
#37
2-Methylnaphthalene
Concen: 20.132 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 813541

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.2	105.2
115	32.0	25.4	38.2

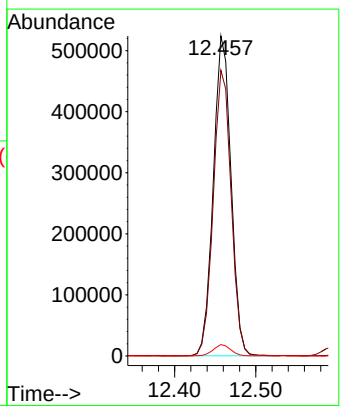


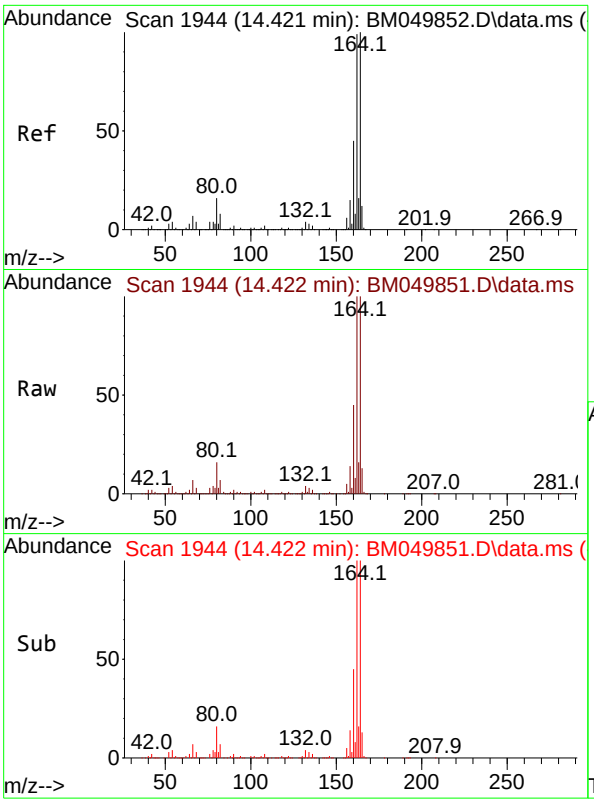


#38
1-Methylnaphthalene
Concen: 20.158 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:142 Resp: 793590

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.2	108.2
116	3.5	2.9	4.3



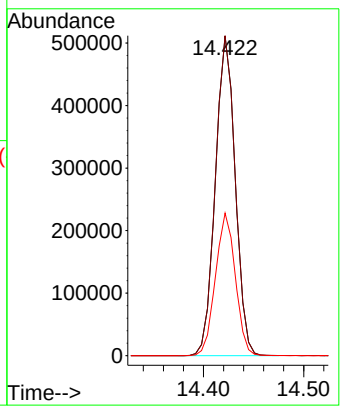


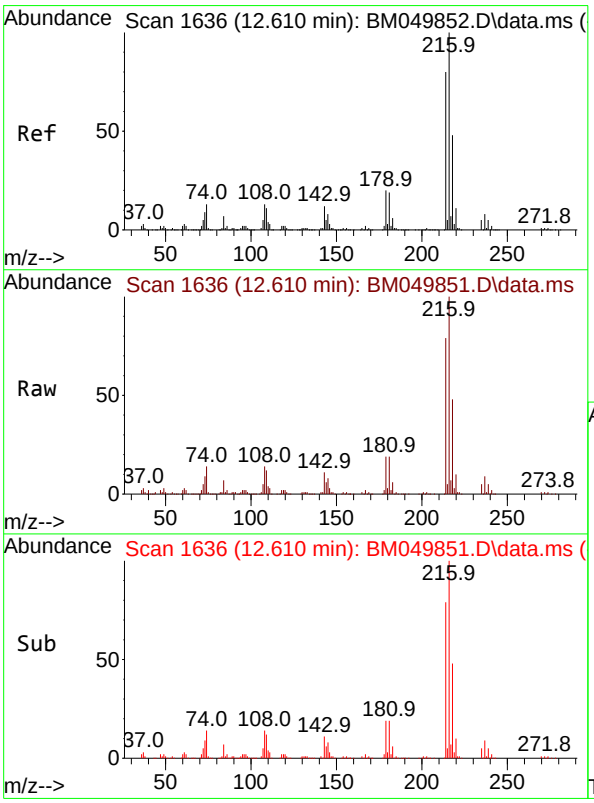
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 702854

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	44.6	36.2	54.2

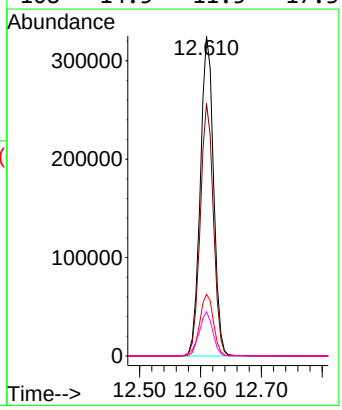


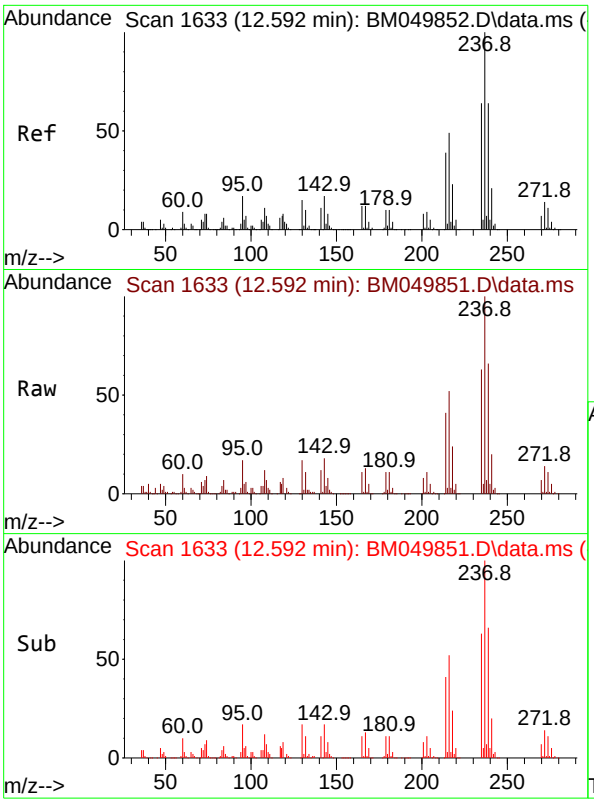


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.915 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:216 Resp: 489705

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.2	94.8
179	19.9	15.8	23.6
108	14.5	11.5	17.3



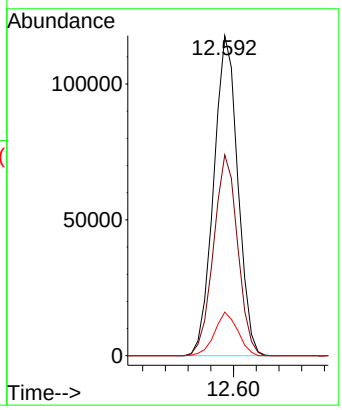


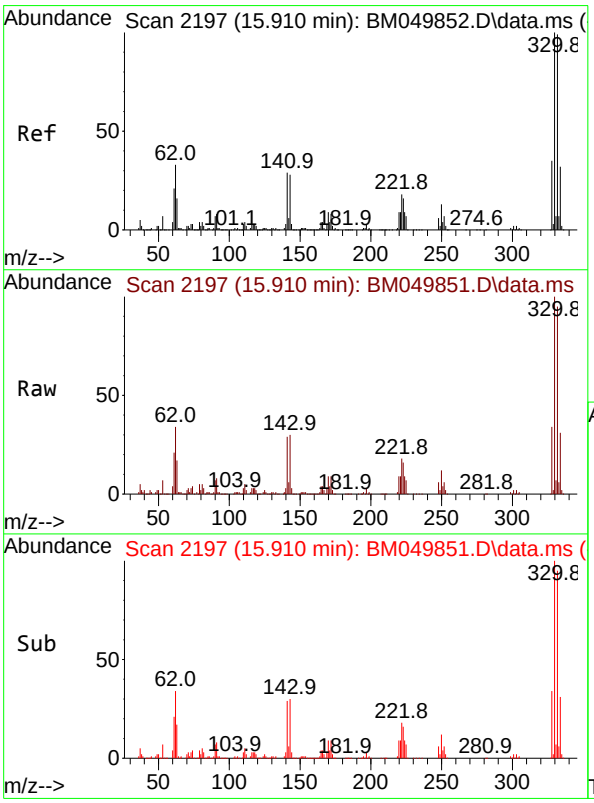
#41
Hexachlorocyclopentadiene
Concen: 20.158 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 173683

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.7	83.7
272	13.6	0.0	33.5

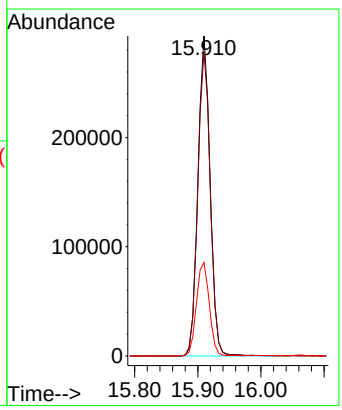


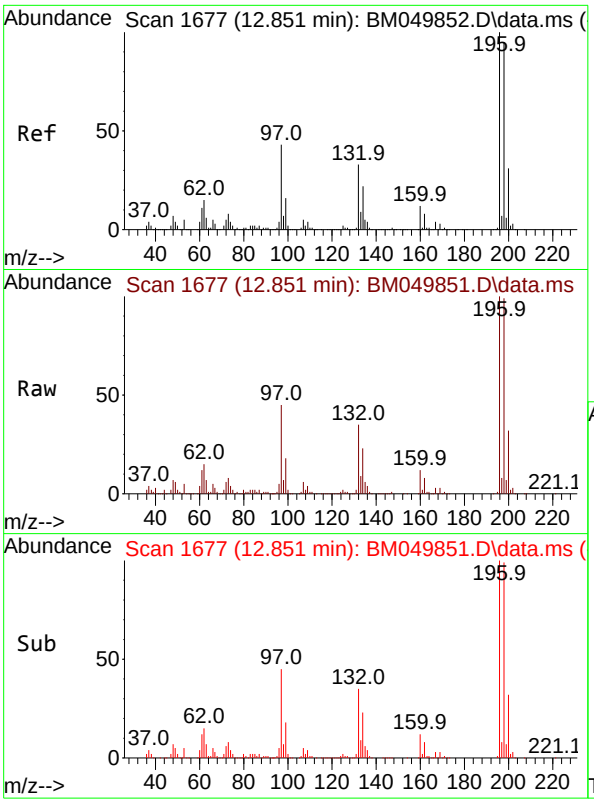


#42
2,4,6-Tribromophenol
Concen: 38.457 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:330 Resp: 393158

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	30.8	23.5	35.3



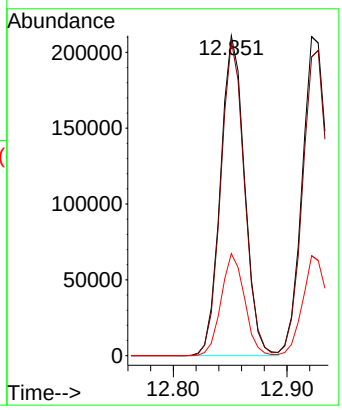


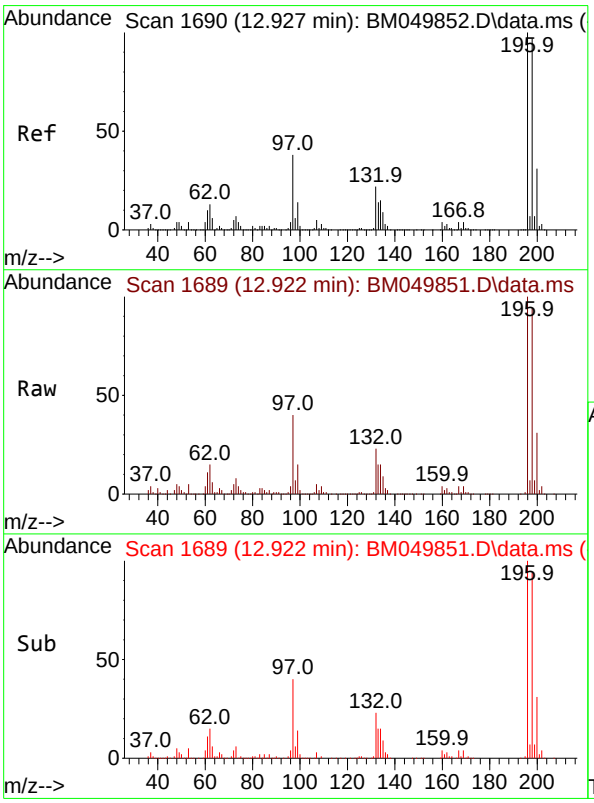
#43
2,4,6-Trichlorophenol
Concen: 19.924 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 311742

Ion	Ratio	Lower	Upper
196	100		
198	98.6	76.1	114.1
200	31.9	24.7	37.1

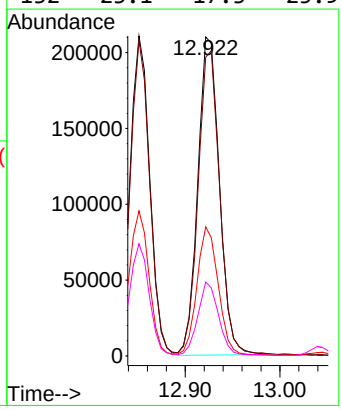


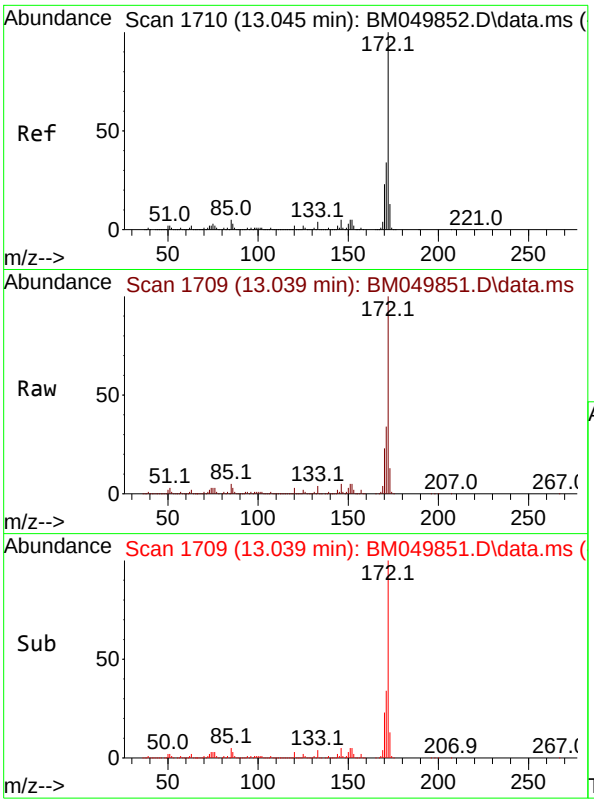


#44
2,4,5-Trichlorophenol
Concen: 19.528 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:196 Resp: 332054

Ion	Ratio	Lower	Upper
196	100		
198	93.6	77.7	116.5
97	40.5	30.3	45.5
132	23.1	17.3	25.9



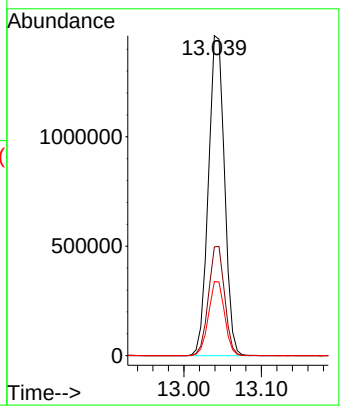


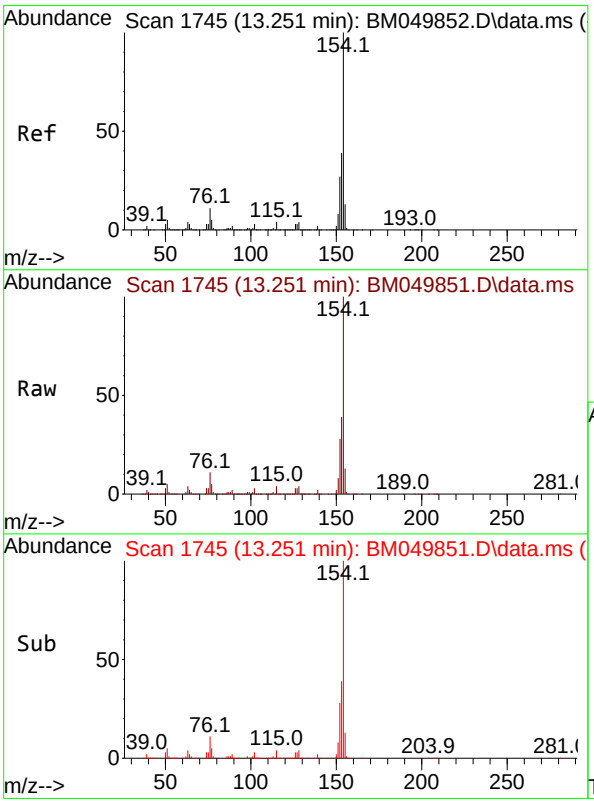
#45
2-Fluorobiphenyl
Concen: 40.653 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2107153

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	23.2	18.6	28.0

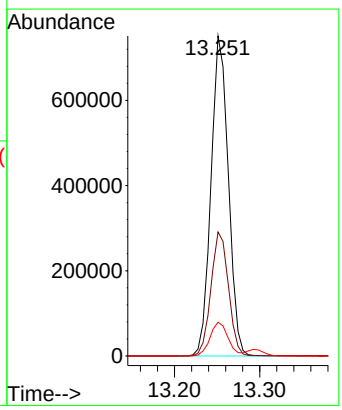


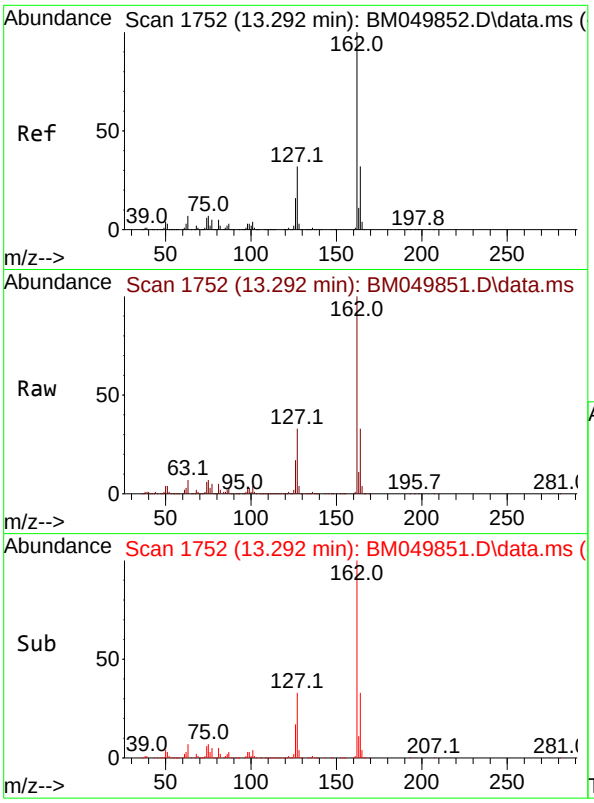


#46
1,1'-Biphenyl
Concen: 20.361 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:154 Resp: 1063836

Ion	Ratio	Lower	Upper
154	100		
153	38.7	19.3	59.3
76	10.5	0.0	30.7



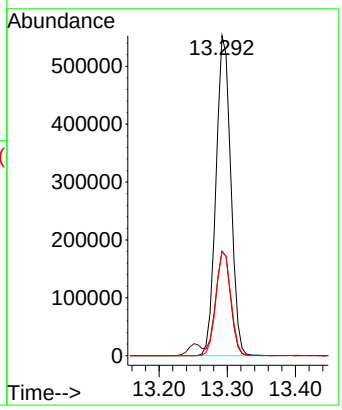


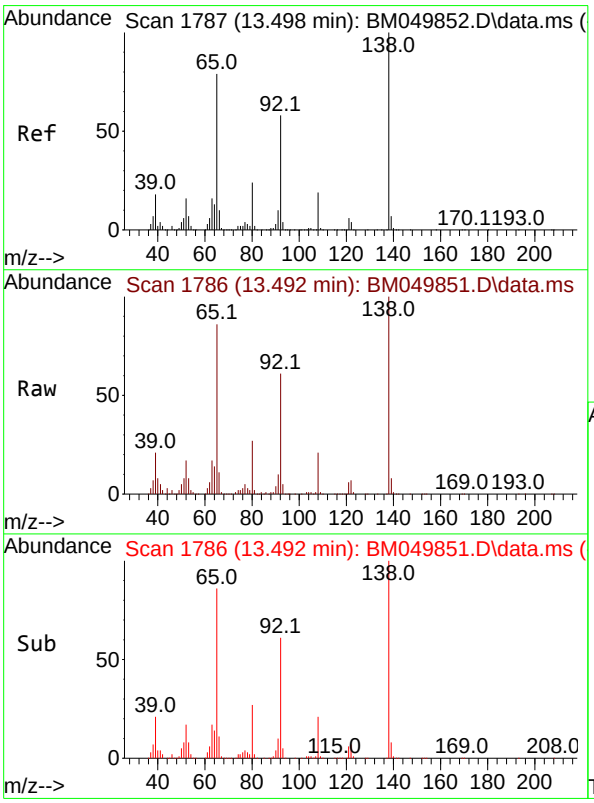
#47
2-Chloronaphthalene
Concen: 20.334 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 835052

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	32.5	25.9	38.9

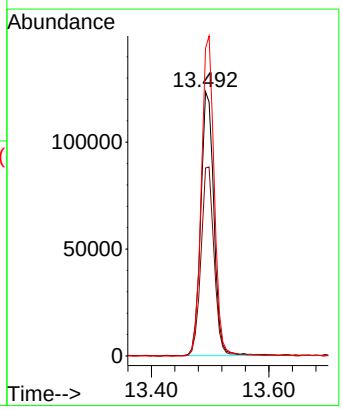


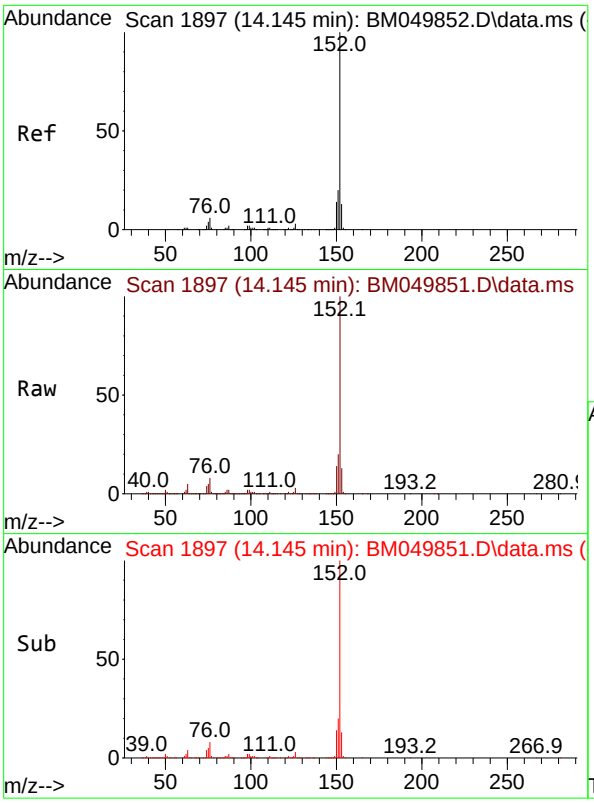


#48
2-Nitroaniline
Concen: 20.149 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 65 Resp: 191426

Ion	Ratio	Lower	Upper
65	100		
92	71.1	58.4	87.6
138	116.5	100.8	151.2



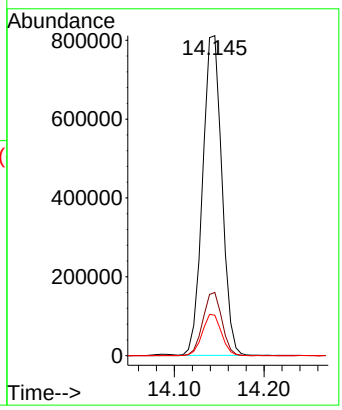


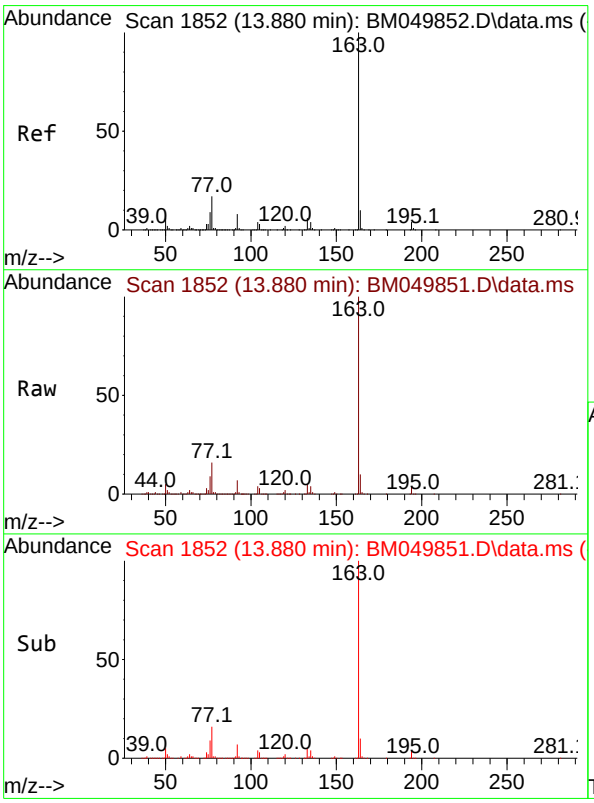
#49
Acenaphthylene
Concen: 20.189 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1207654

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.7	10.4	15.6

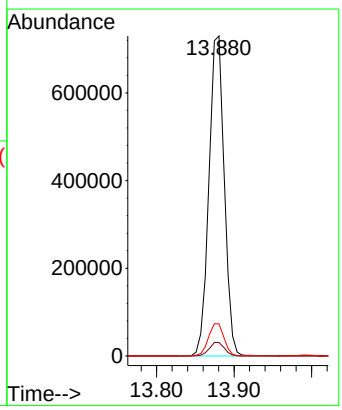


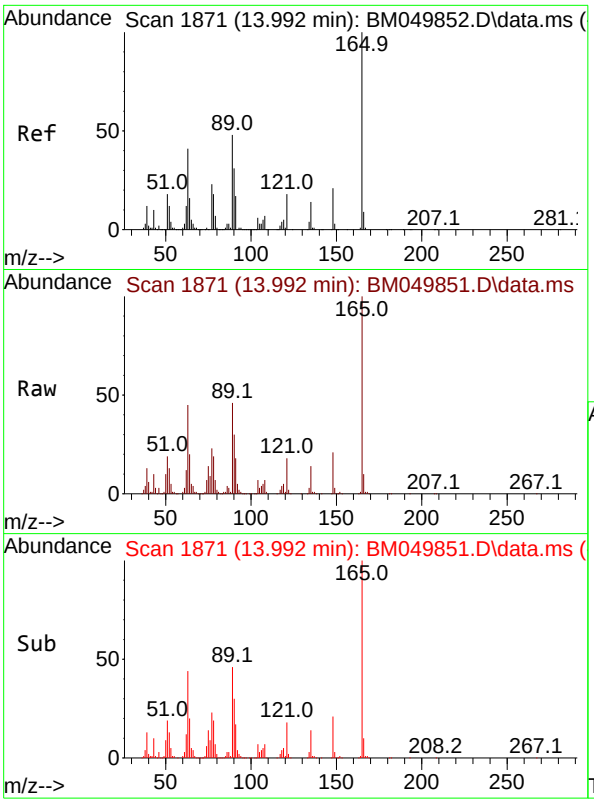


#50
Dimethylphthalate
Concen: 20.271 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:163 Resp: 1005157

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.1	7.9	11.9



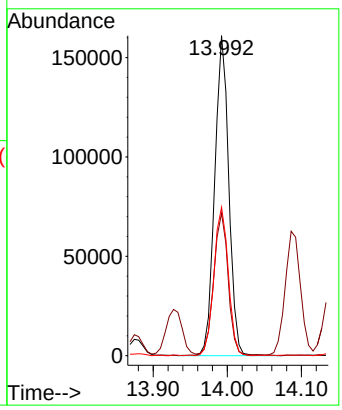


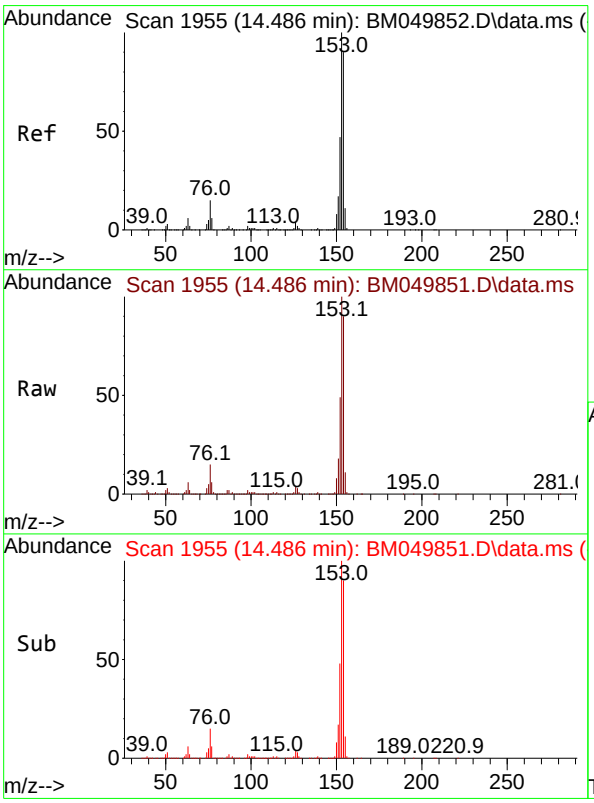
#51
2,6-Dinitrotoluene
Concen: 20.474 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 212702

Ion	Ratio	Lower	Upper
165	100		
63	44.5	36.1	54.1
89	46.4	38.3	57.5

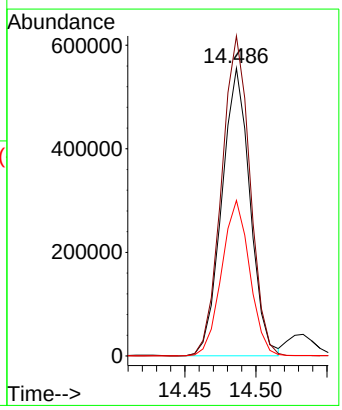


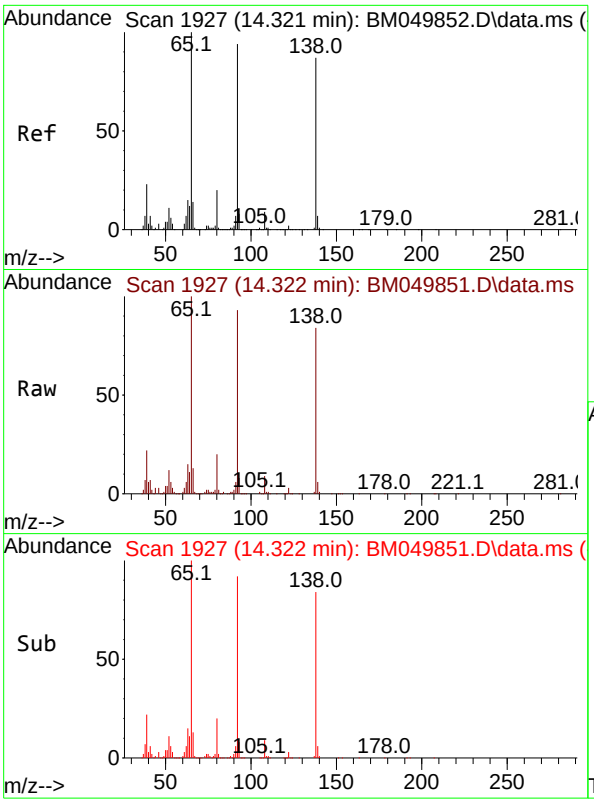


#52
Acenaphthene
Concen: 20.122 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:154 Resp: 765635

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	54.1	42.2	63.2



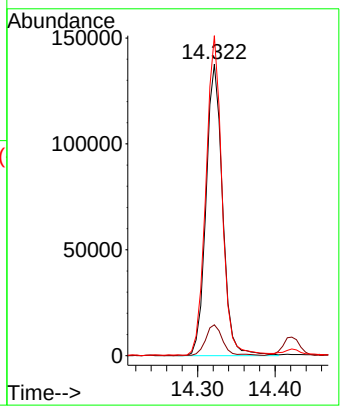


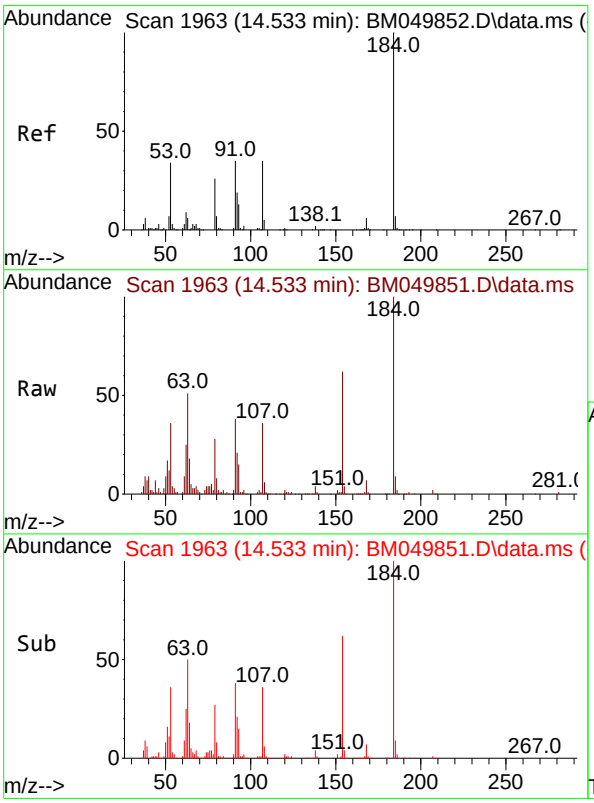
#53
3-Nitroaniline
Concen: 20.306 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 203884

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	109.8	86.5	129.7

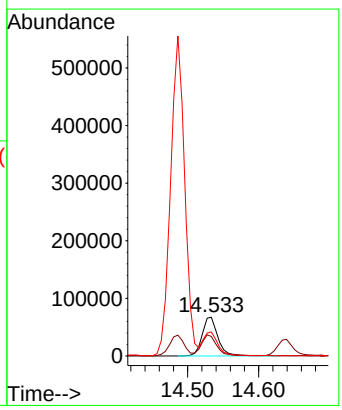


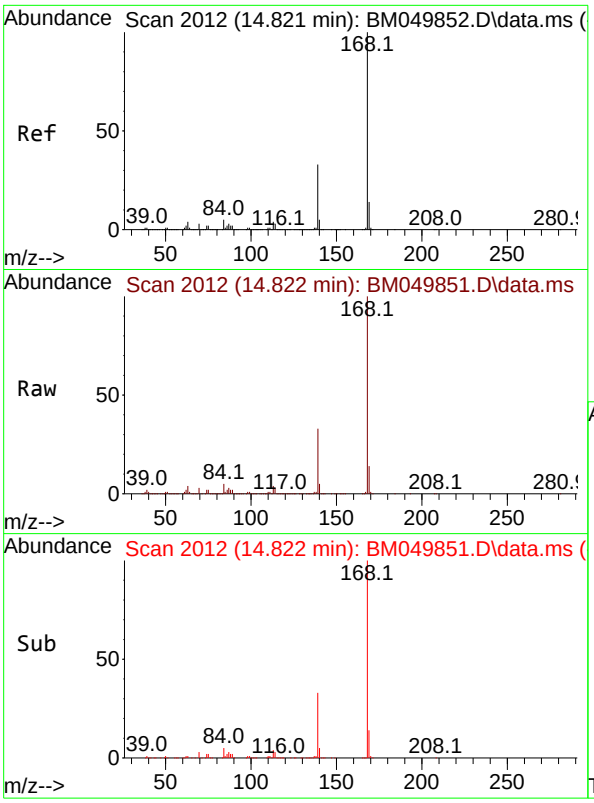


#54
2,4-Dinitrophenol
Concen: 19.806 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:184 Resp: 104048

Ion	Ratio	Lower	Upper
184	100		
63	50.5	38.4	57.6
154	62.0	48.1	72.1



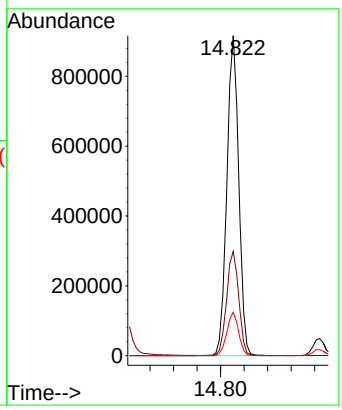


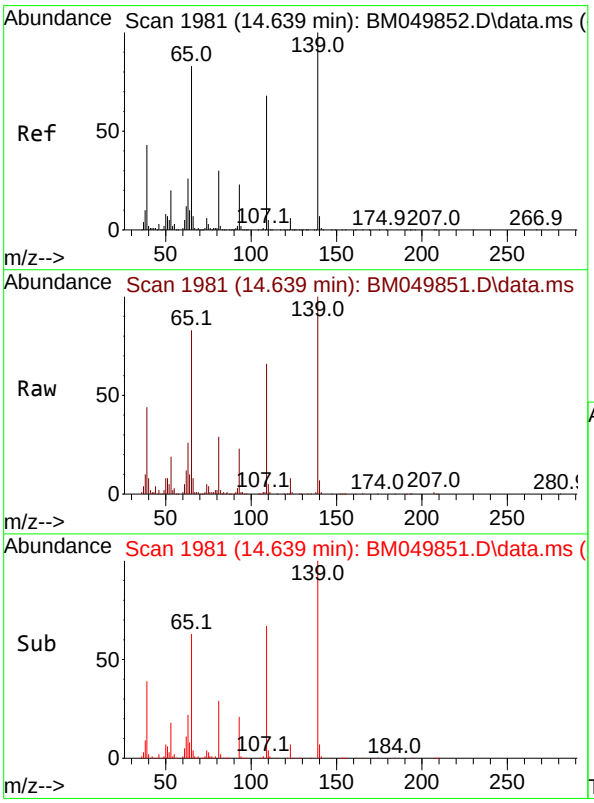
#55
Dibenzofuran
Concen: 20.125 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1280124

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.6	39.8
169	13.6	11.0	16.4

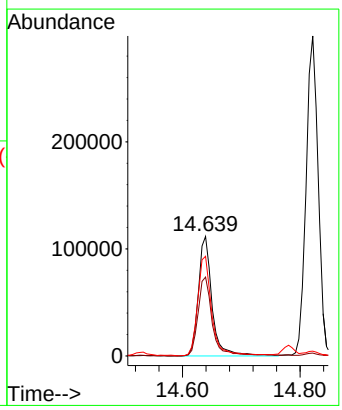


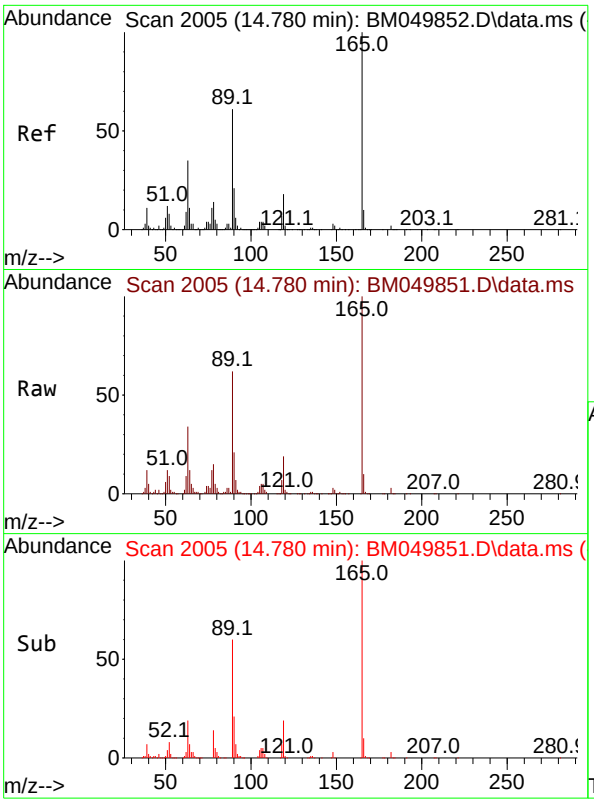


#56
4-Nitrophenol
Concen: 20.171 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:139 Resp: 180482

Ion	Ratio	Lower	Upper
139	100		
109	65.9	47.9	87.9
65	83.4	62.7	102.7



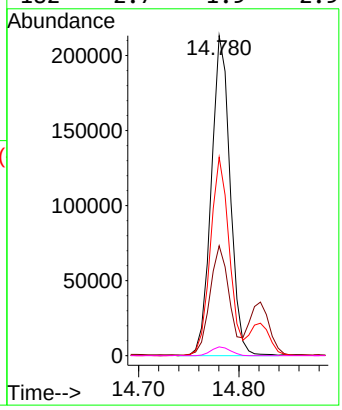


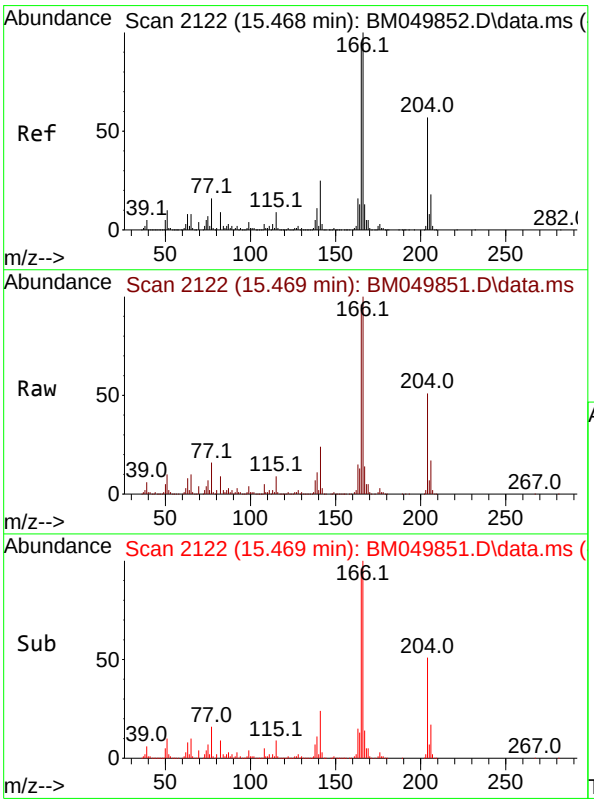
#57
2,4-Dinitrotoluene
Concen: 20.039 ng
RT: 14.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 277724

Ion	Ratio	Lower	Upper
165	100		
63	34.4	28.6	42.8
89	62.0	49.0	73.6
182	2.7	1.9	2.9

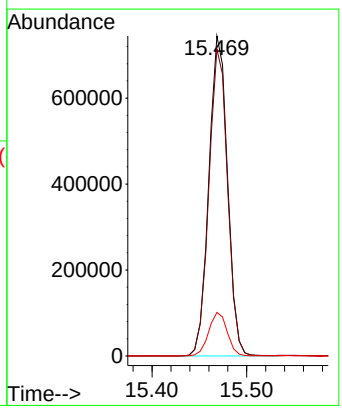


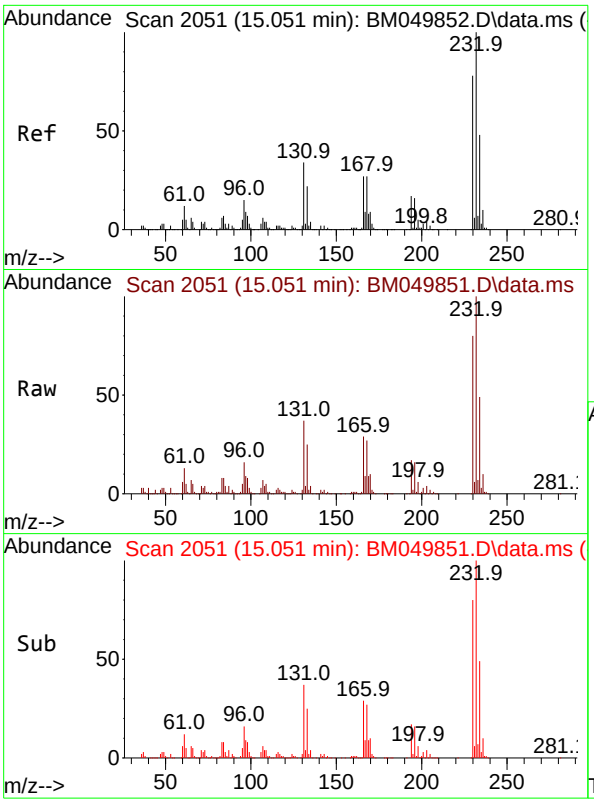


#58
Fluorene
Concen: 20.163 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:166 Resp: 1019442

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.3	114.5
167	13.6	10.7	16.1



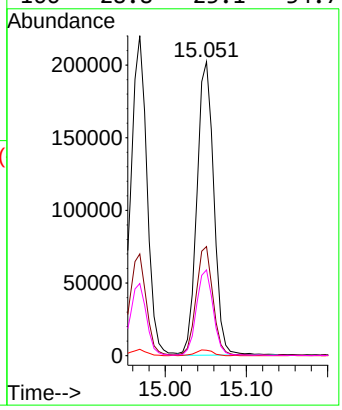


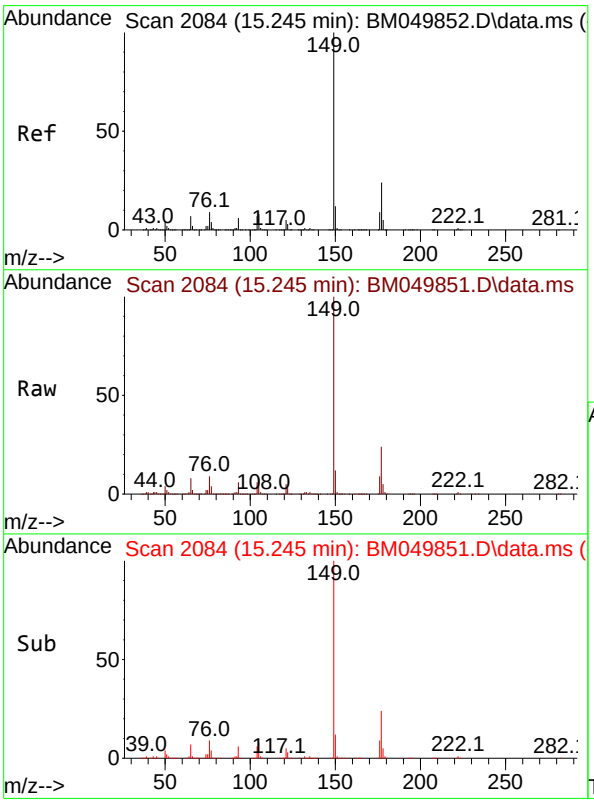
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.603 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 292142

Ion	Ratio	Lower	Upper
232	100		
131	36.8	28.4	42.6
130	2.1	1.6	2.4
166	28.8	23.1	34.7

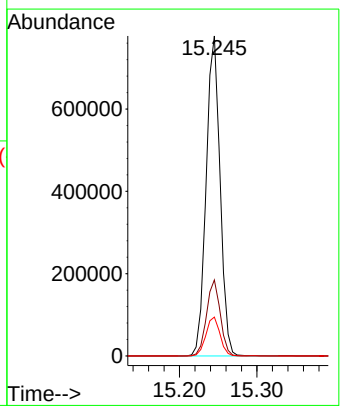


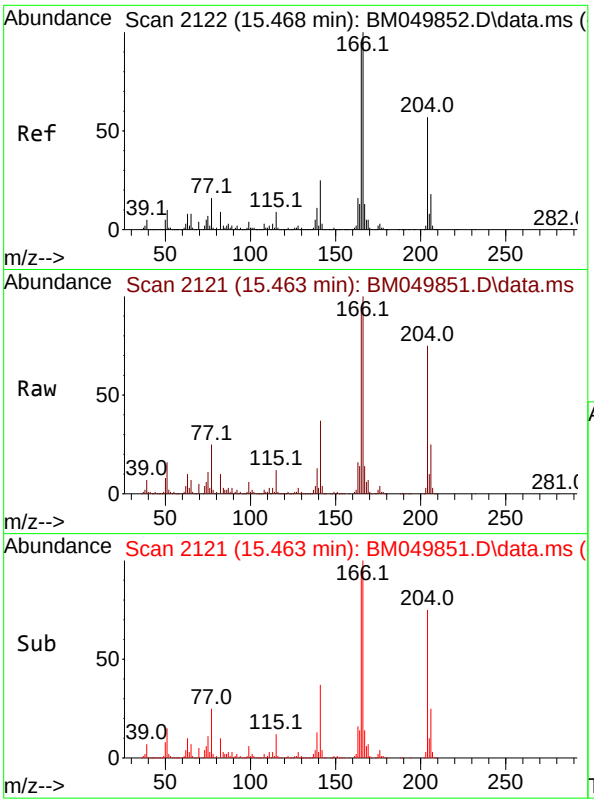


#60
Diethylphthalate
Concen: 20.369 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 968568

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.0	28.4
150	12.2	9.7	14.5



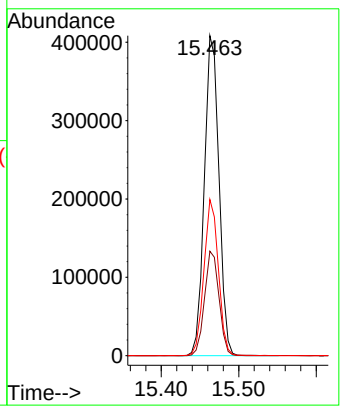


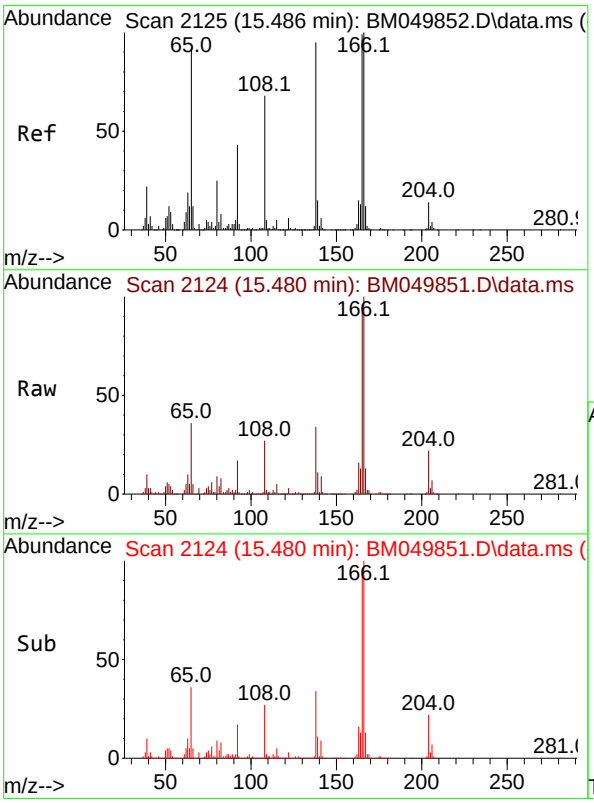
#61
4-Chlorophenyl-phenylether
Concen: 19.737 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 535017

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	48.8	35.0	52.6

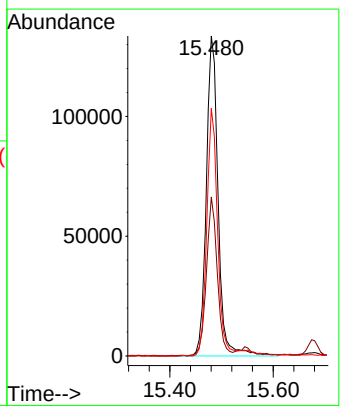


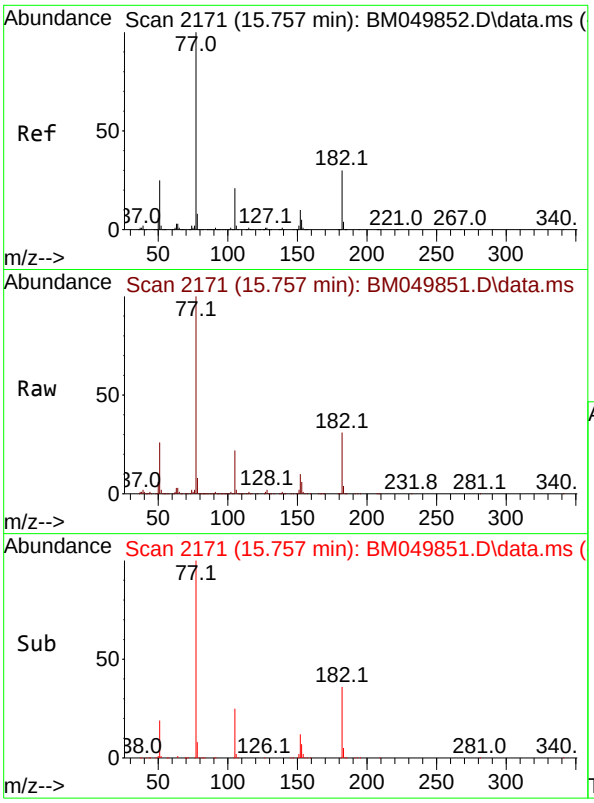


#62
4-Nitroaniline
Concen: 20.390 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:138 Resp: 211717

Ion	Ratio	Lower	Upper
138	100		
92	49.7	24.9	64.9
108	77.4	51.7	91.7



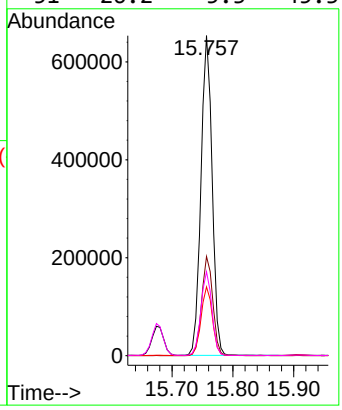


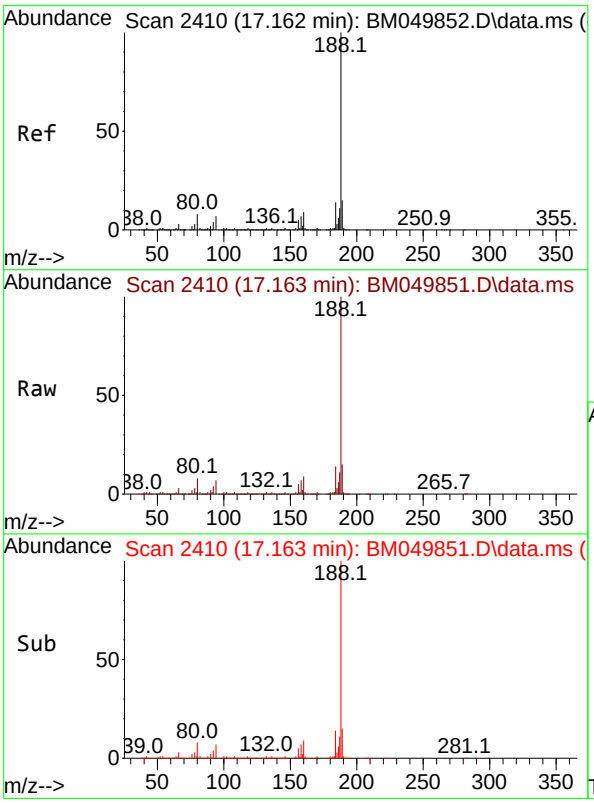
#63
Azobenzene
Concen: 20.453 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 832670

Ion	Ratio	Lower	Upper
77	100		
182	31.0	10.4	50.4
105	21.5	1.5	41.5
51	26.2	5.3	45.3

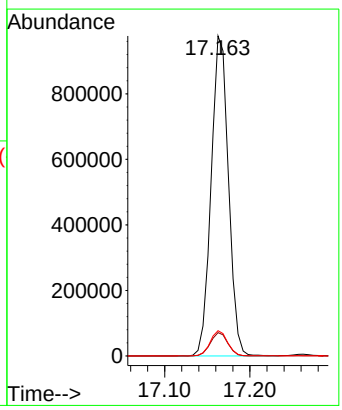


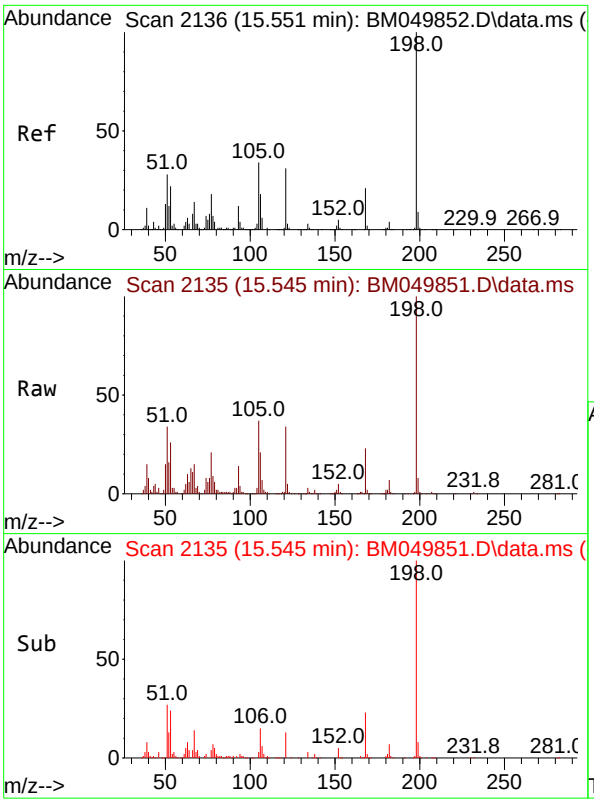


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:188 Resp: 1378813

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.9	6.4	9.6



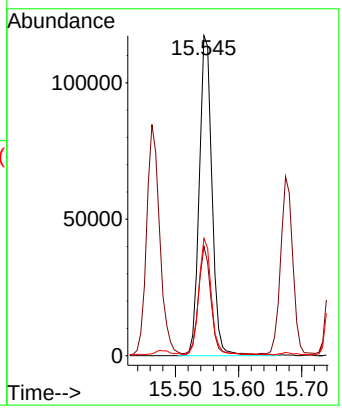


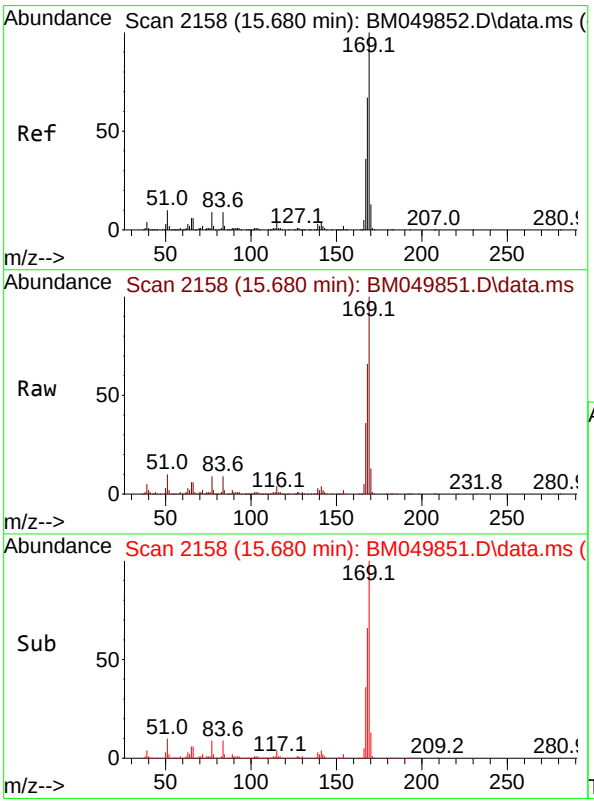
#65
4,6-Dinitro-2-methylphenol
Concen: 18.880 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 164040

Ion	Ratio	Lower	Upper
198	100		
51	34.2	9.6	49.6
105	36.7	14.7	54.7

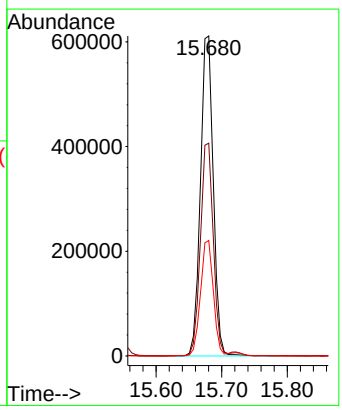


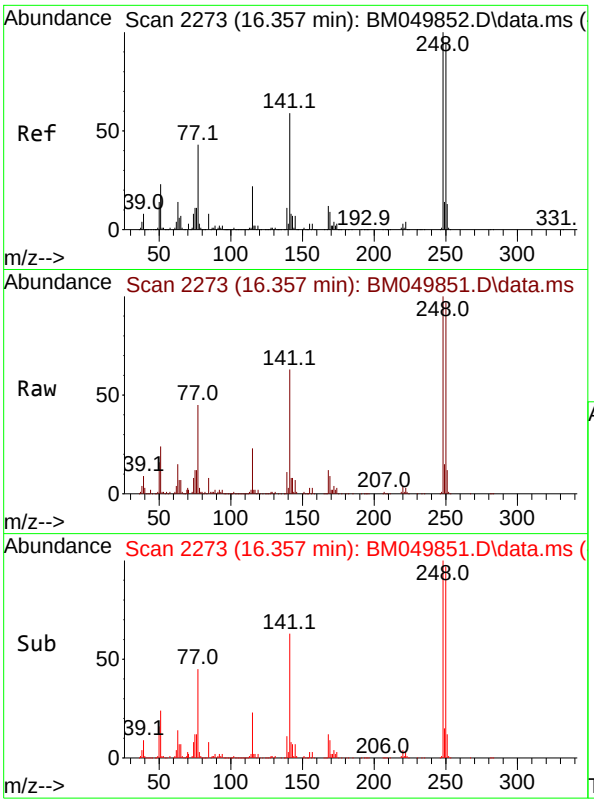


#66
n-Nitrosodiphenylamine
Concen: 20.246 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:169 Resp: 835415

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.1	29.0	43.6



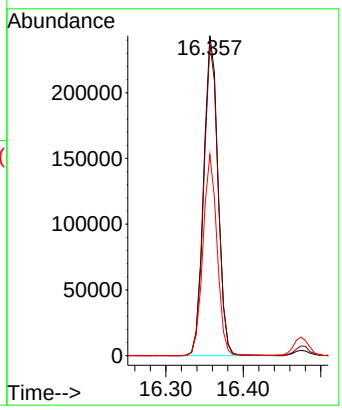


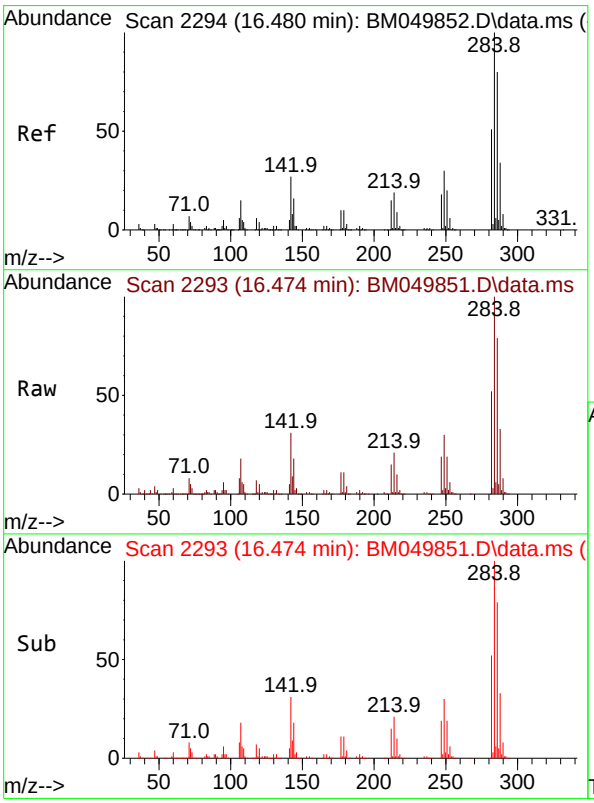
#67
4-Bromophenyl-phenylether
Concen: 19.537 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 312714

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.2	114.2
141	62.9	47.3	70.9

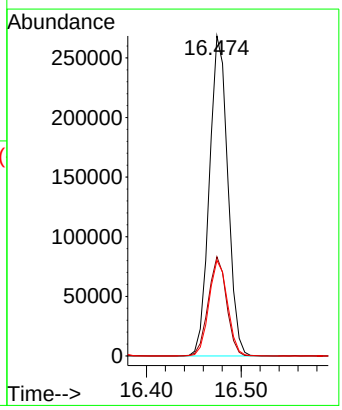


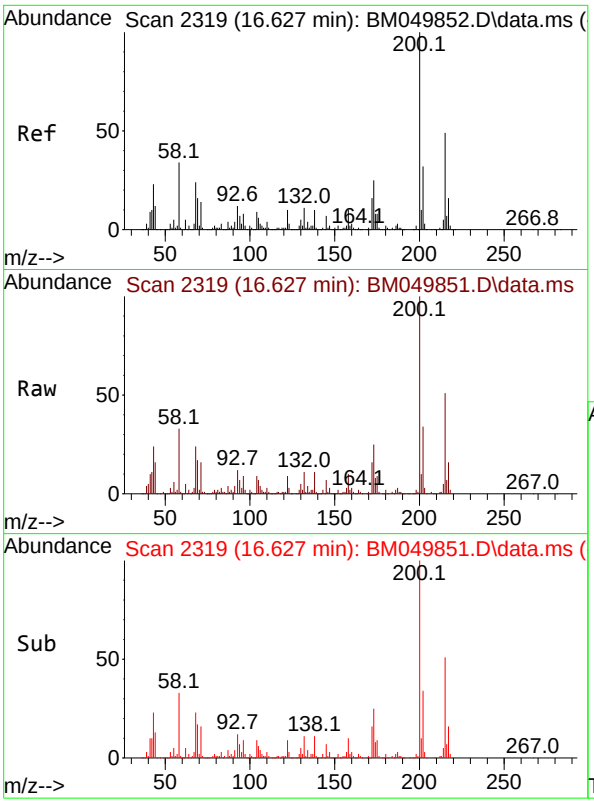


#68
Hexachlorobenzene
Concen: 19.701 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:284 Resp: 361698

Ion	Ratio	Lower	Upper
284	100		
142	31.0	21.2	31.8
249	29.8	24.1	36.1



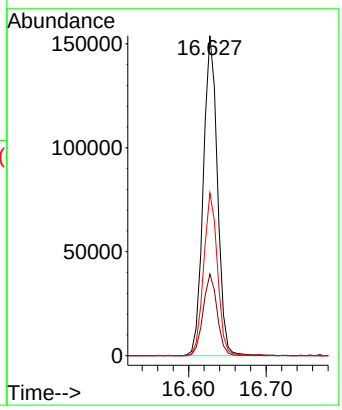


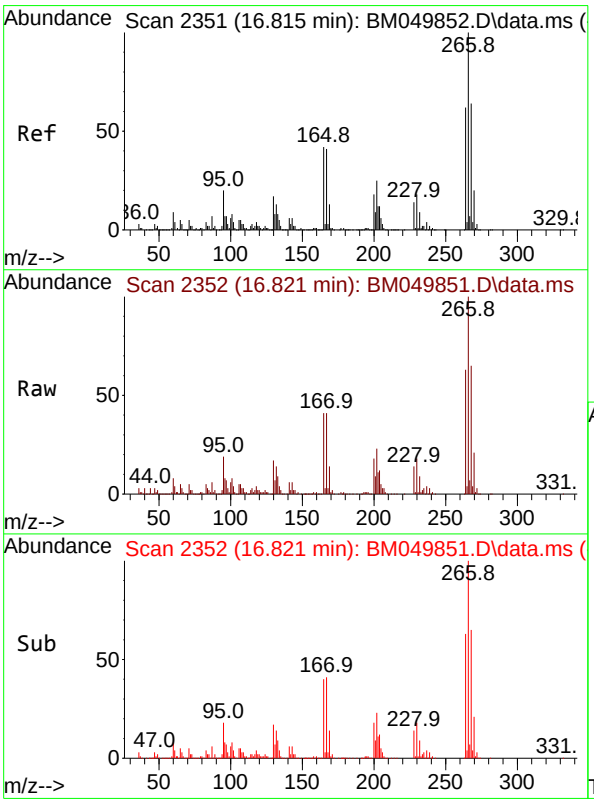
#69
Atrazine
Concen: 18.255 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 195306

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.4	45.4
215	50.8	29.0	69.0

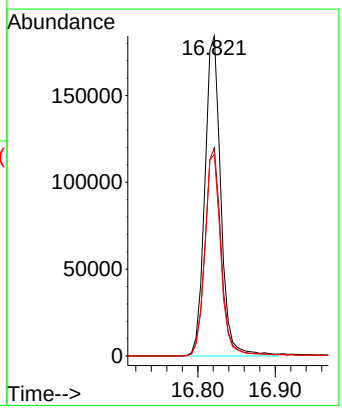


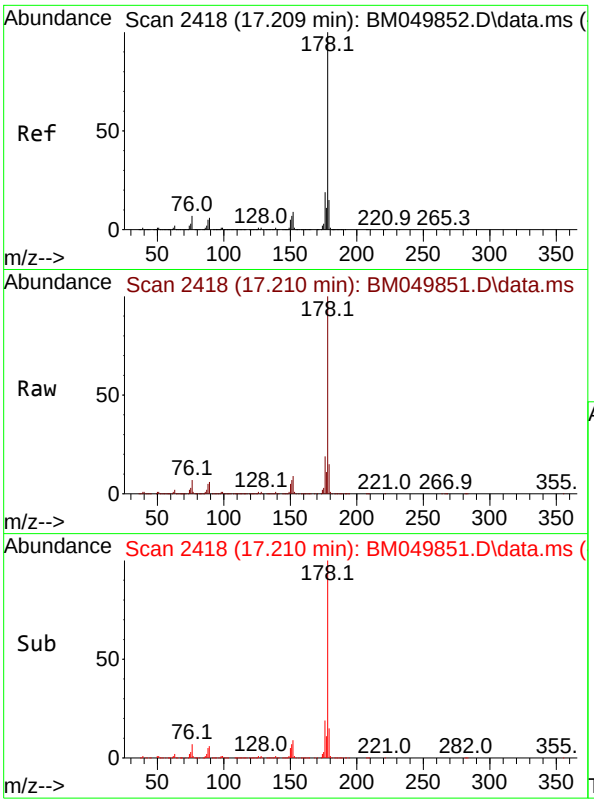


#70
Pentachlorophenol
Concen: 19.488 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:266 Resp: 263410

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.4	77.2
264	62.9	49.8	74.8



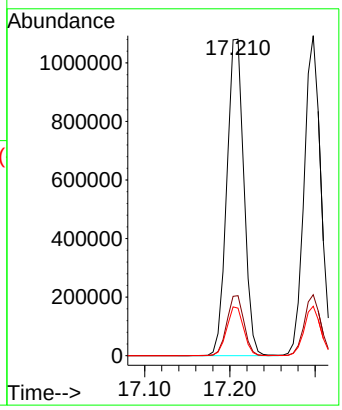


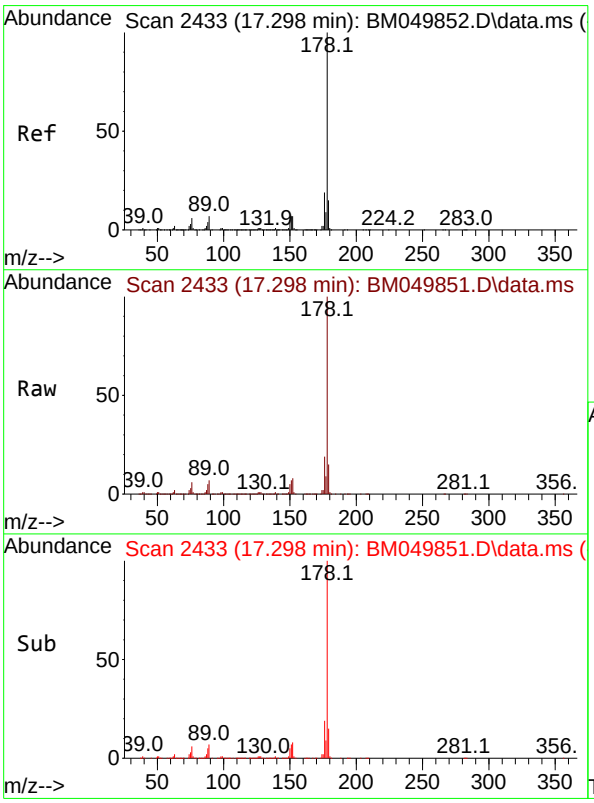
#71
Phenanthrene
Concen: 19.979 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1510233

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.0	12.3	18.5

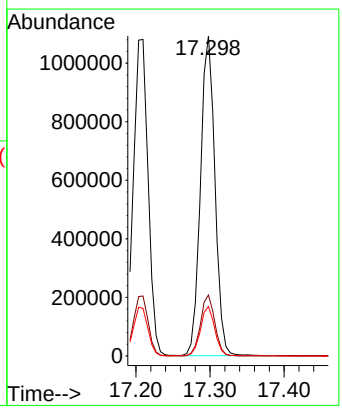


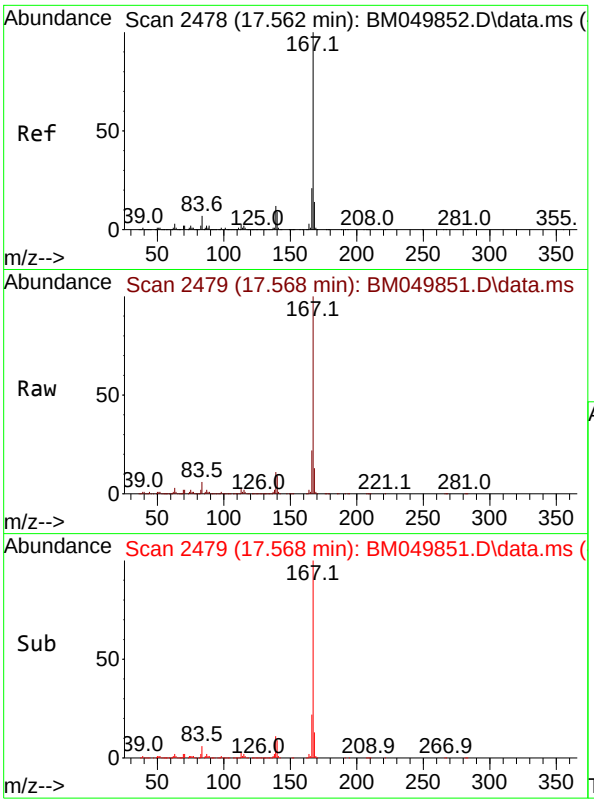


#72
Anthracene
Concen: 19.887 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:178 Resp: 1481463

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.4	12.4	18.6



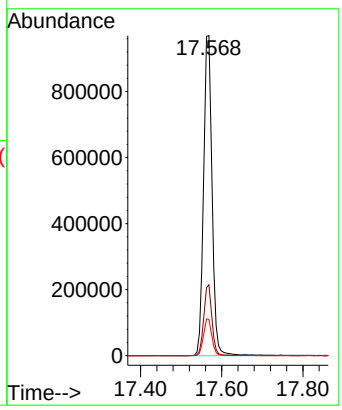


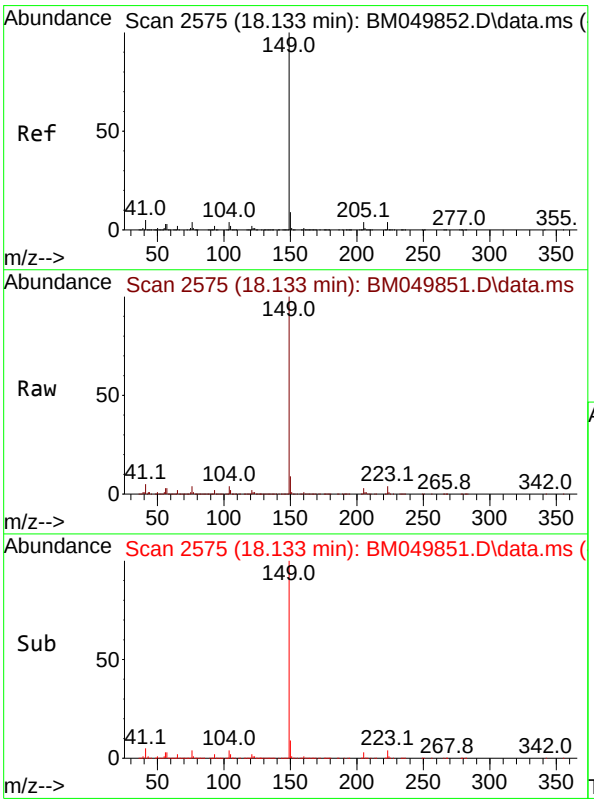
#73
Carbazole
Concen: 20.114 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1411278

Ion	Ratio	Lower	Upper
167	100		
166	22.1	16.9	25.3
139	11.3	9.3	13.9

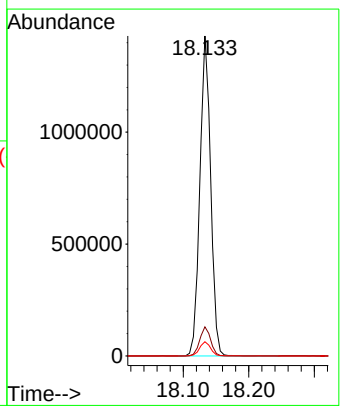


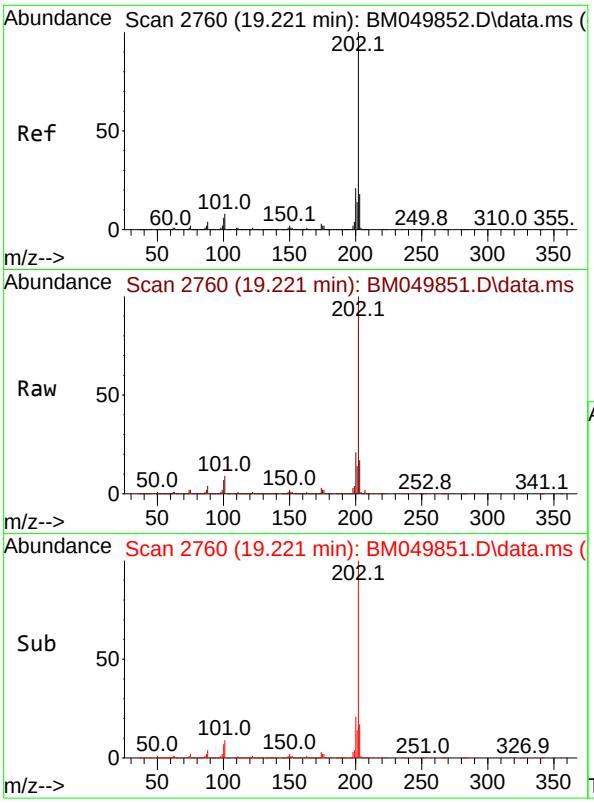


#74
Di-n-butylphthalate
Concen: 20.278 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 1638787

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.5	3.5	5.3



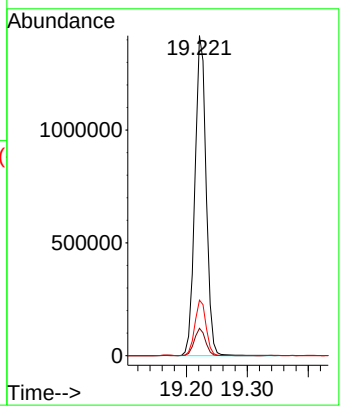


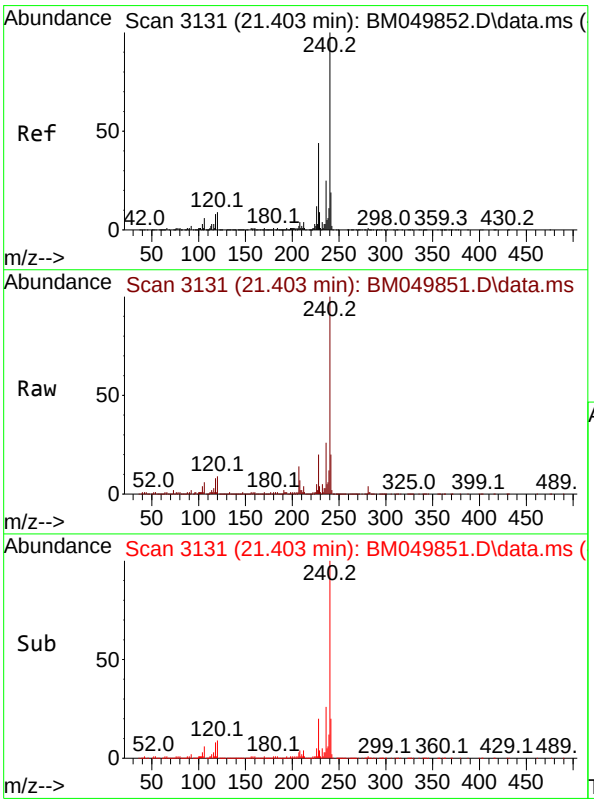
#75
Fluoranthene
Concen: 19.433 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1806131

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.4
203	17.4	0.0	37.8

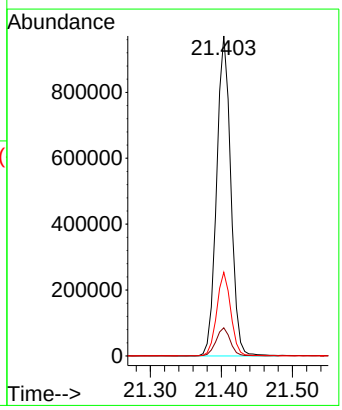


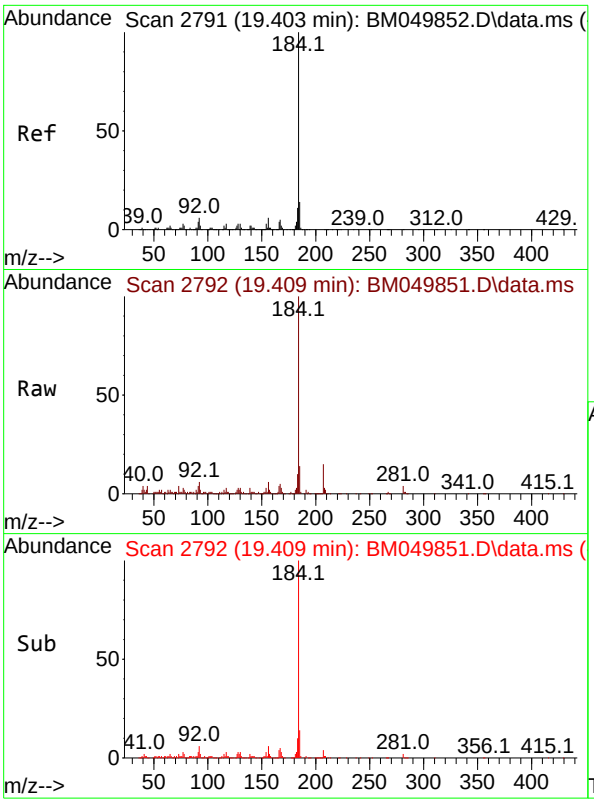


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:240 Resp: 1339758

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.9	10.3
236	26.1	20.4	30.6



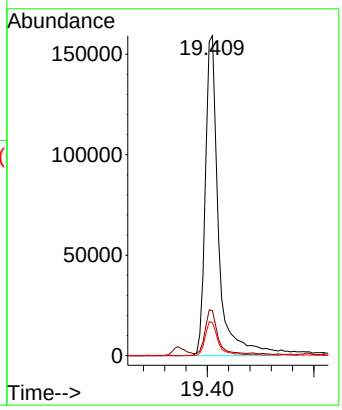


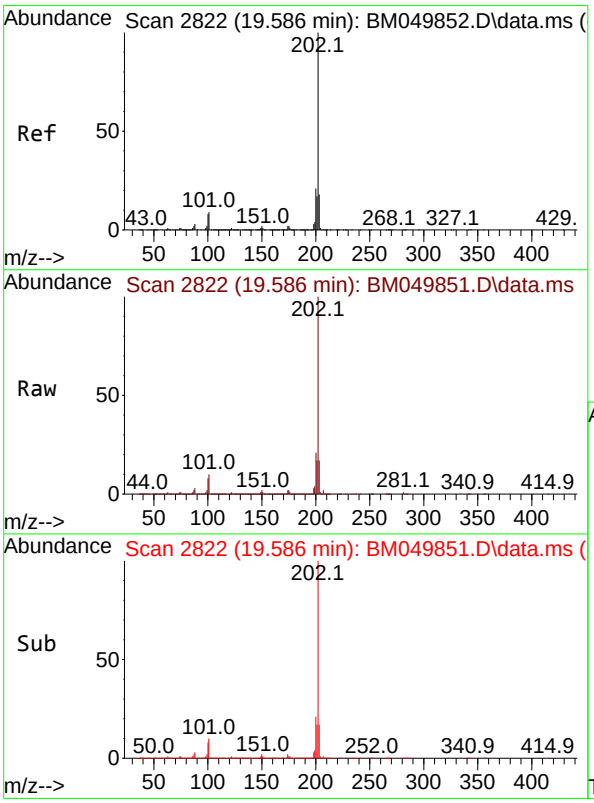
#77
Benzidine
Concen: 15.426 ng
RT: 19.409 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 274181

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.2
183	10.4	8.8	13.2

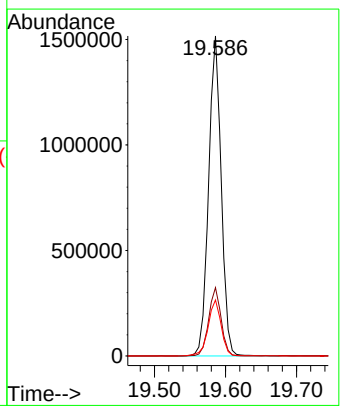


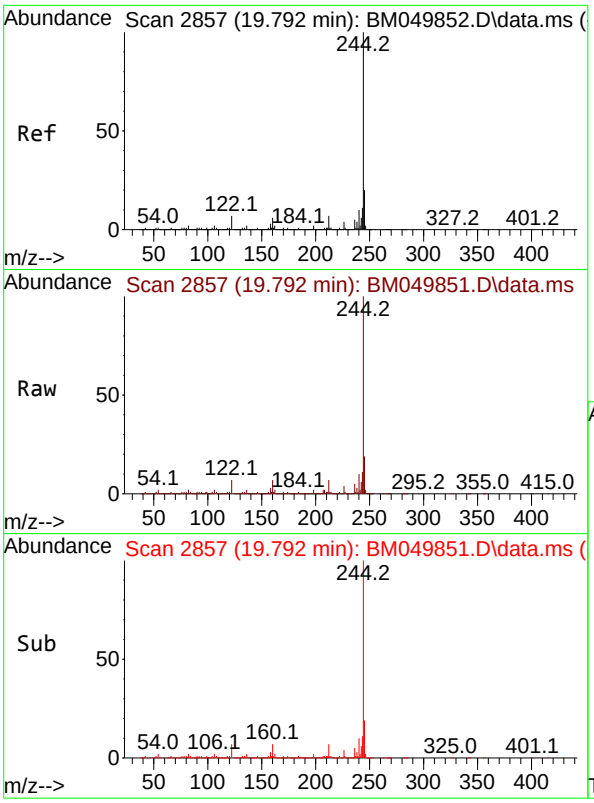


#78
Pyrene
Concen: 20.242 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:202 Resp: 1868988

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	17.5	14.0	21.0



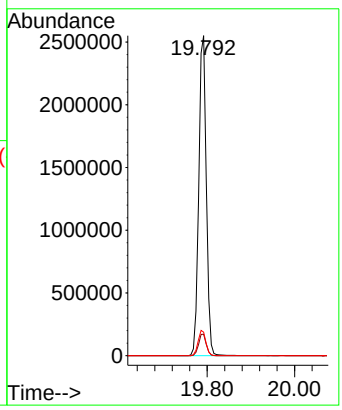


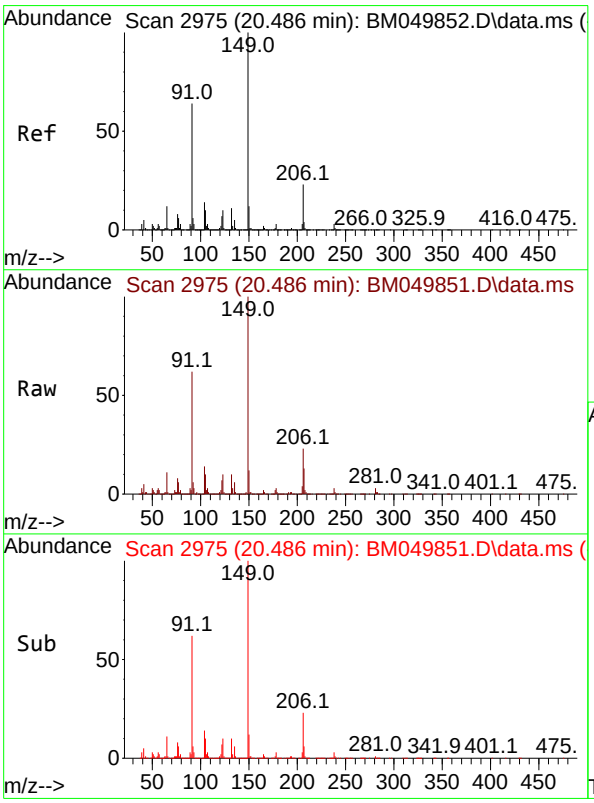
#79
Terphenyl-d14
Concen: 42.677 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 3051000

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	7.4	5.4	8.0

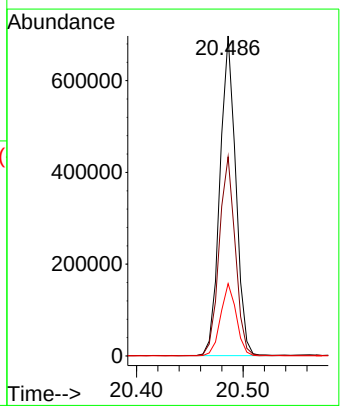


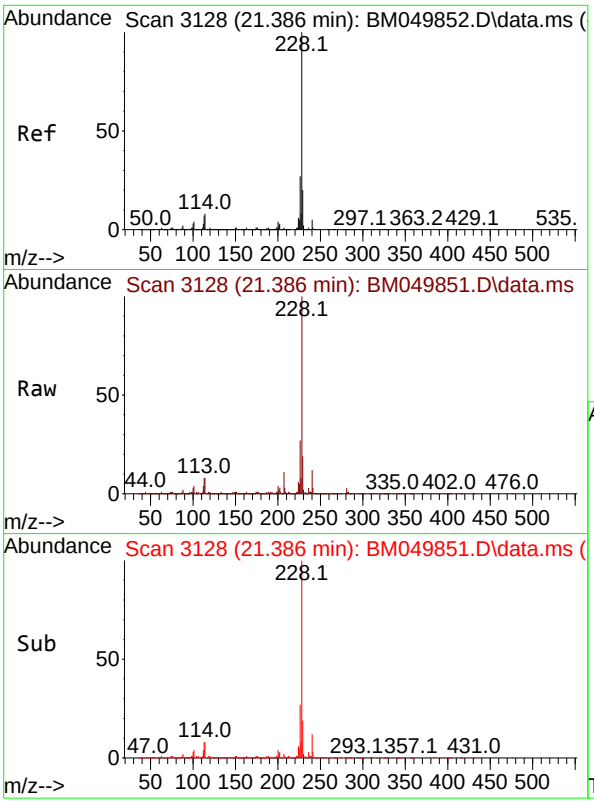


#80
Butylbenzylphthalate
Concen: 20.738 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 719491

Ion	Ratio	Lower	Upper
149	100		
91	62.2	50.9	76.3
206	22.6	18.4	27.6



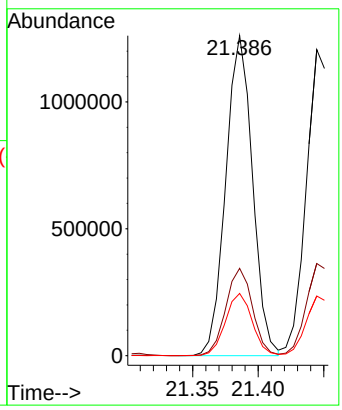


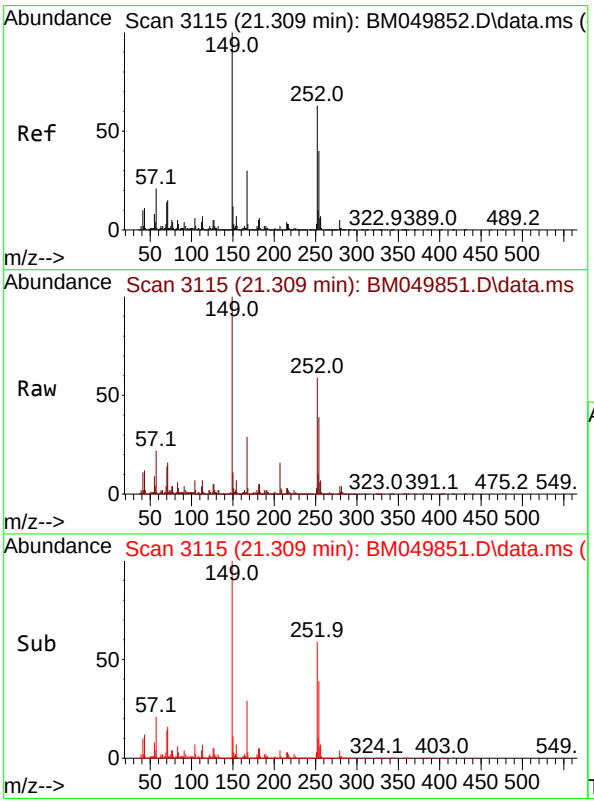
#81
Benzo(a)anthracene
Concen: 20.090 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1788846

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.5	15.8	23.8

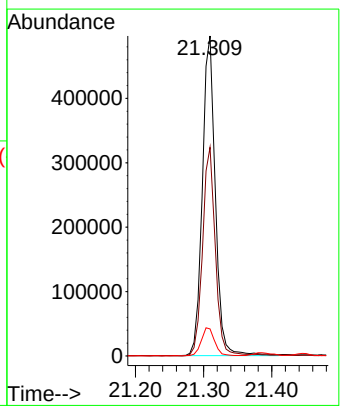


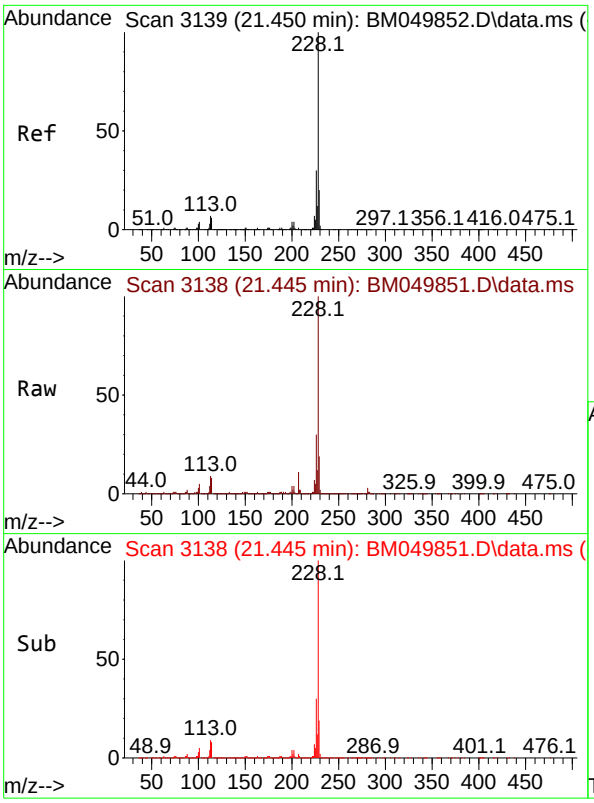


#82
3,3'-Dichlorobenzidine
Concen: 19.592 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 658767

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.5	77.3
126	8.4	6.3	9.5



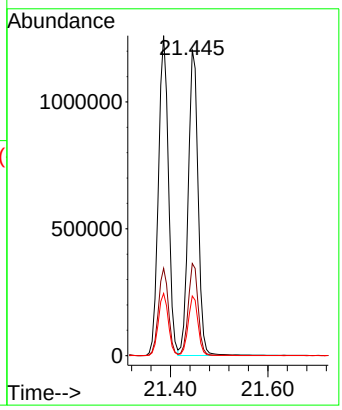


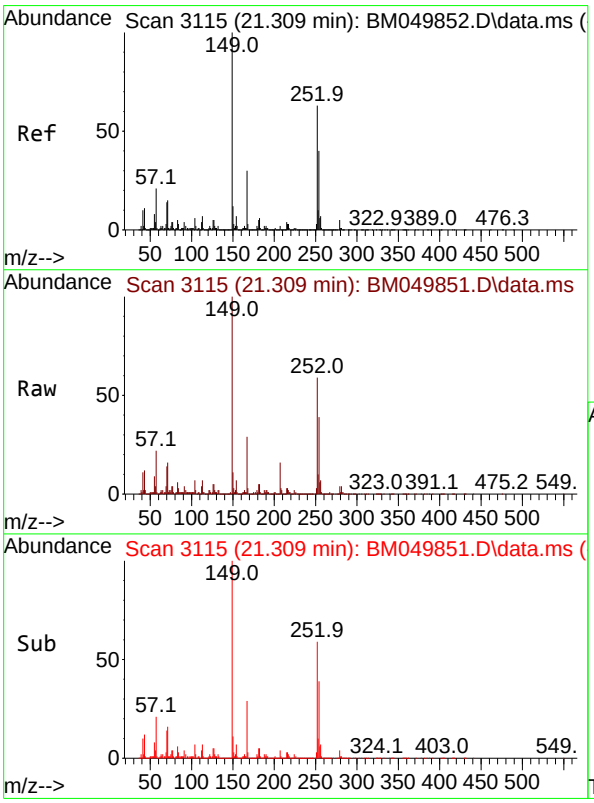
#83
Chrysene
Concen: 19.957 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1689336

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.5	15.8	23.6

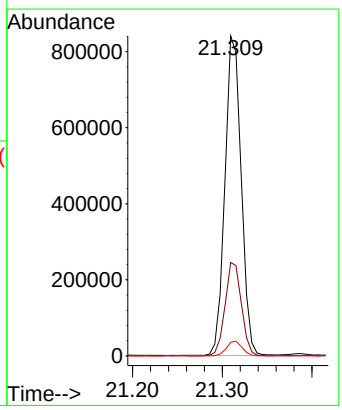


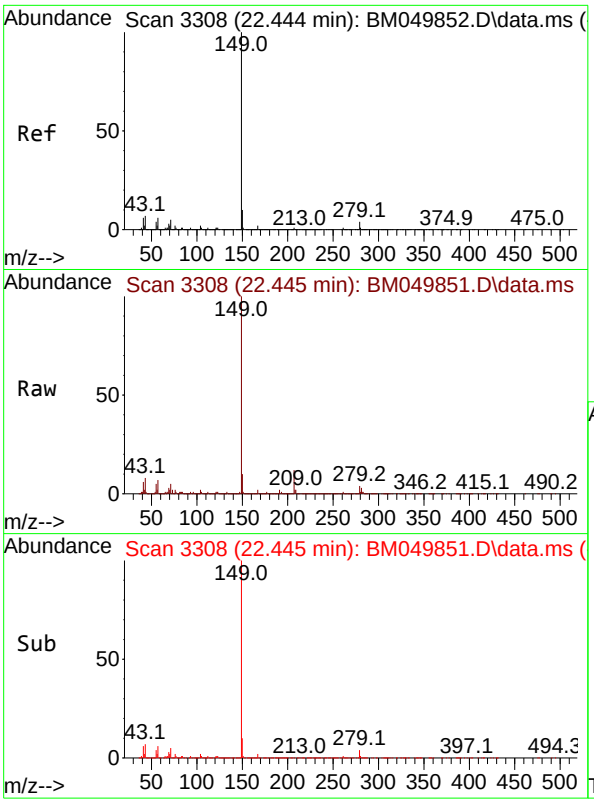


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.934 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 1058190

Ion	Ratio	Lower	Upper
149	100		
167	29.2	23.8	35.6
279	4.3	3.8	5.8



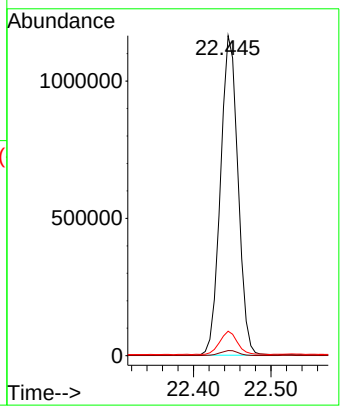


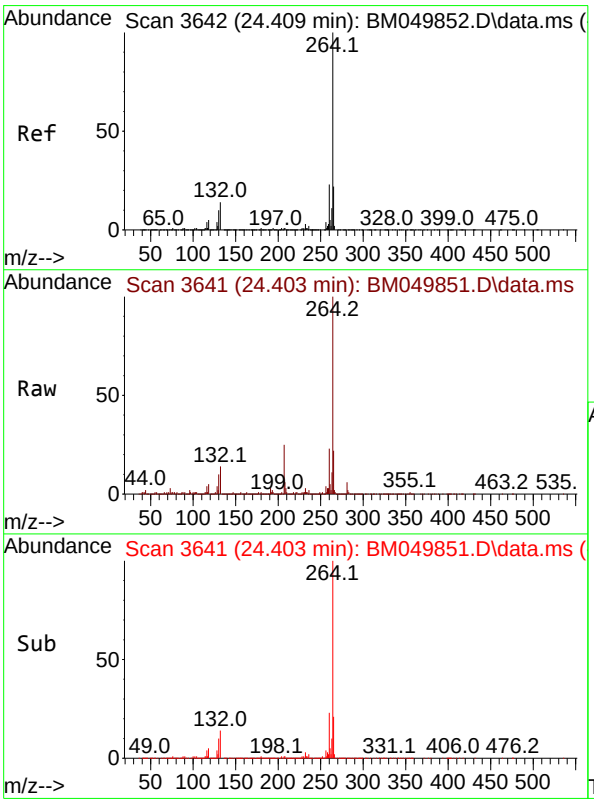
#85
Di-n-octyl phthalate
Concen: 20.699 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1830449

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.6

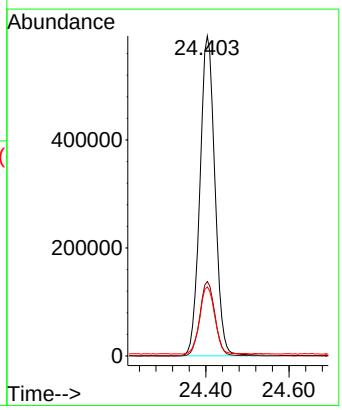


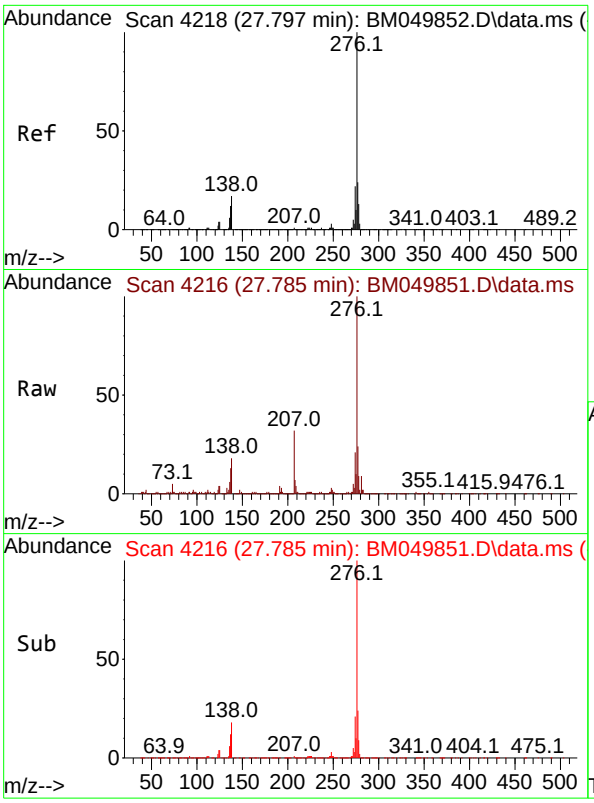


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:264 Resp: 1486954

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.6	17.8	26.8



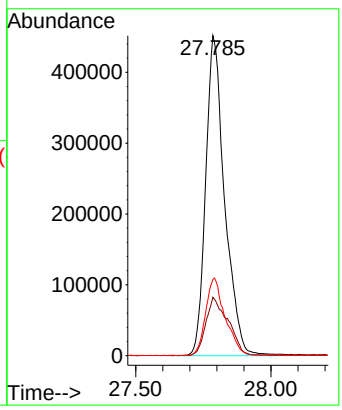


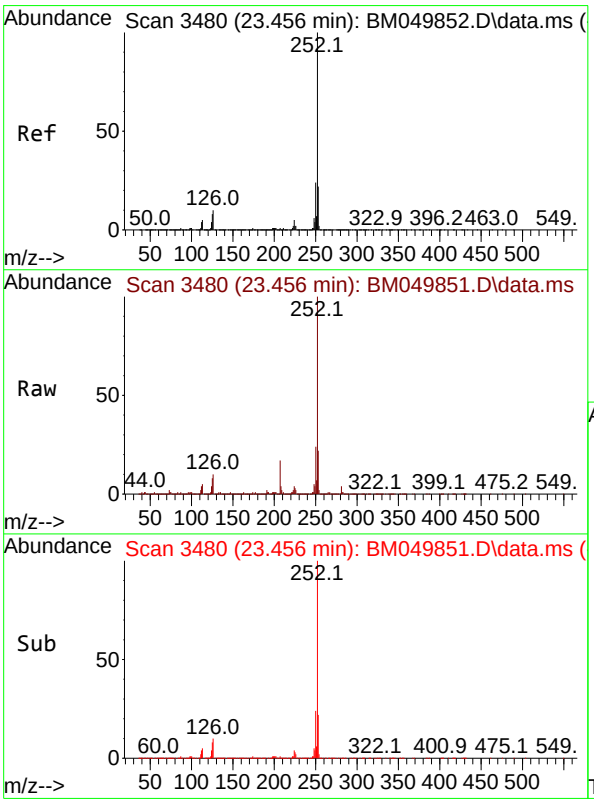
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.848 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2199957

Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.8	25.2
277	24.9	20.1	30.1

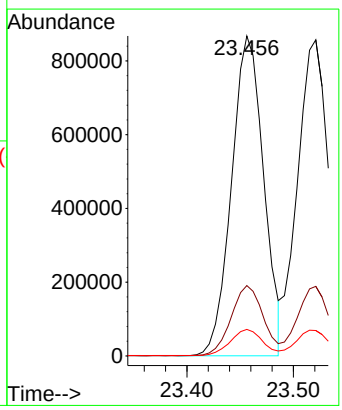


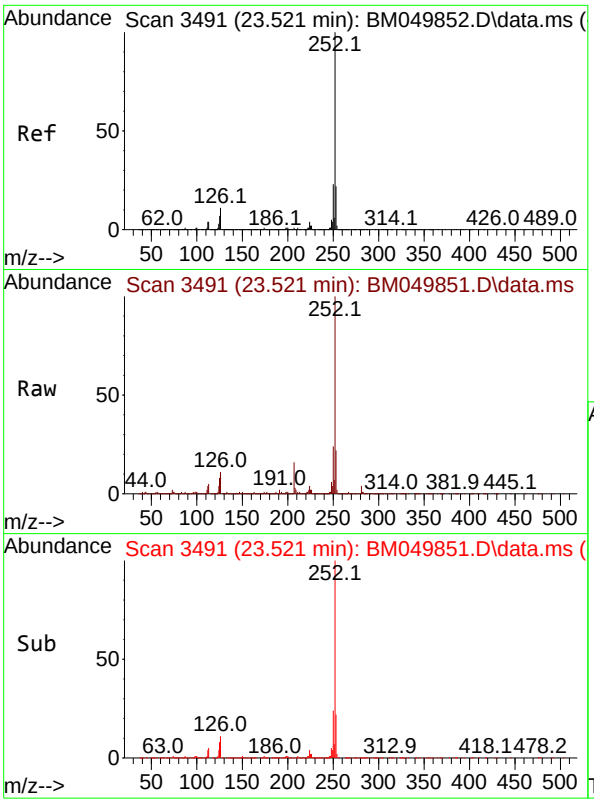


#88
Benzo(b)fluoranthene
Concen: 19.144 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 1818051

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.3	6.2	9.4



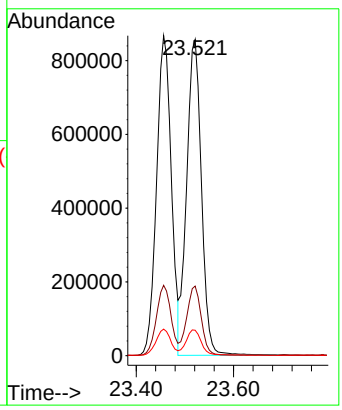


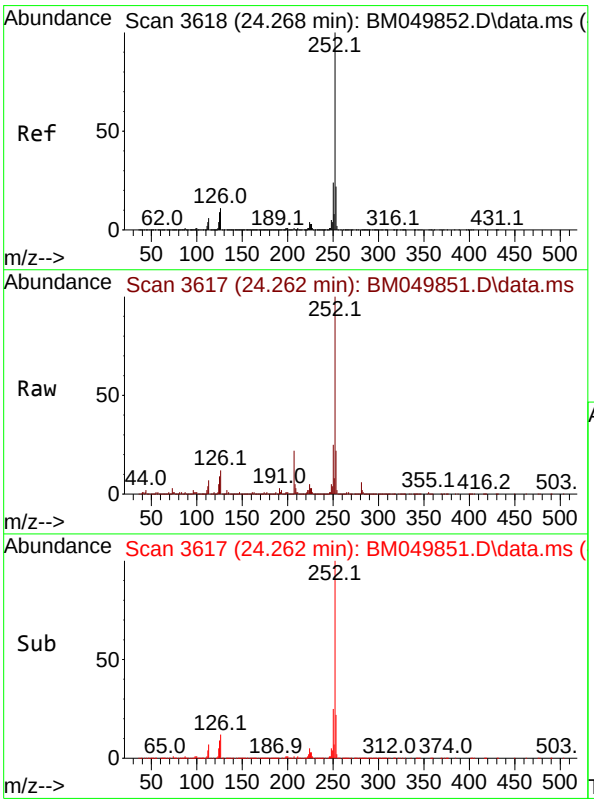
#89
Benzo(k)fluoranthene
Concen: 19.527 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1797007

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.1	5.8	8.8

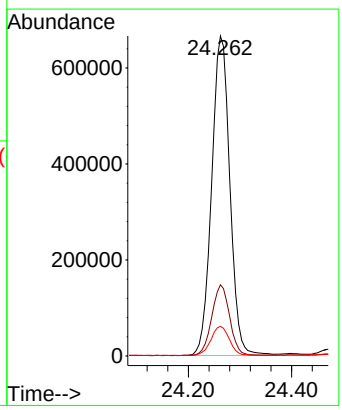


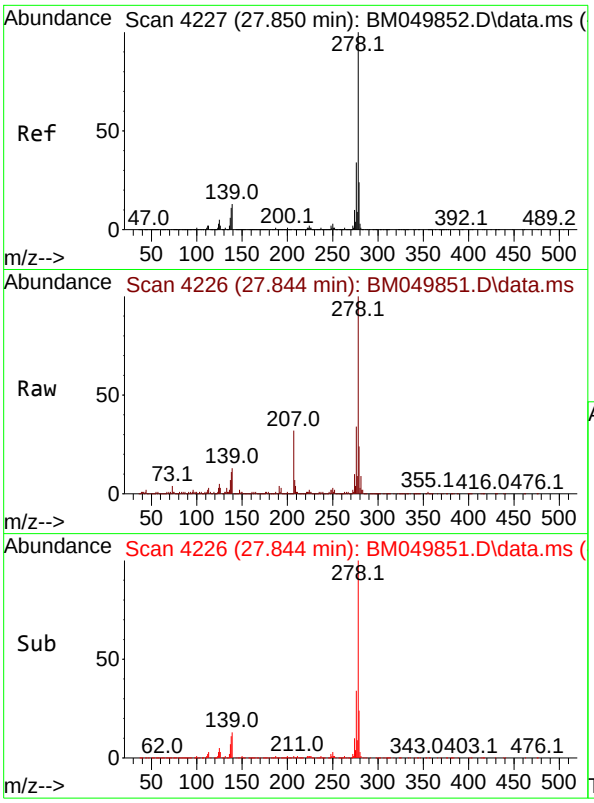


#90
Benzo(a)pyrene
Concen: 19.526 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 1629441

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.3	7.0	10.4



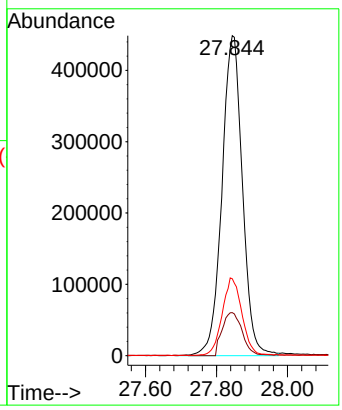


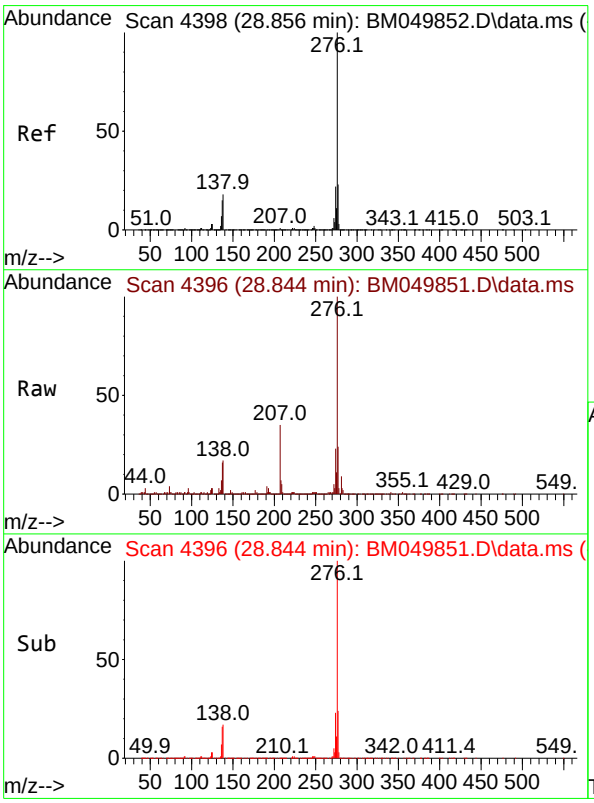
#91
Dibenzo(a,h)anthracene
Concen: 19.631 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1792231

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.6	15.8
279	24.0	19.1	28.7

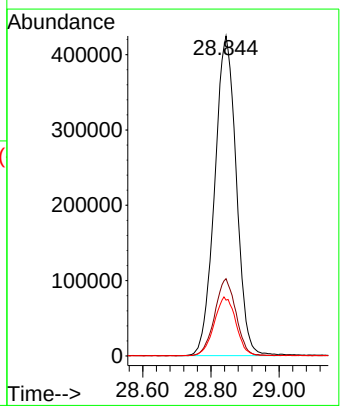




#92
Benzo(g,h,i)perylene
Concen: 20.005 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:276 Resp: 1866337

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	17.4	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	302331	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1026791	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	644538	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1259832	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1277117	20.000	ng	0.00
86) Perylene-d12	24.409	264	1383369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1440504	80.908	ng	0.00
7) Phenol-d6	6.951	99	1802855	81.386	ng	0.00
23) Nitrobenzene-d5	8.934	82	1510046	81.893	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	757084	80.755	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	3905323	82.162	ng	0.00
79) Terphenyl-d14	19.792	244	6061535	88.947	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	295123	40.249	ng	100
3) Pyridine	3.663	79	778424	40.422	ng	100
4) n-Nitrosodimethylamine	3.569	42	295528	40.309	ng	100
6) Aniline	7.104	93	801408	42.221	ng	100
8) 2-Chlorophenol	7.345	128	736217	40.349	ng	100
9) Benzaldehyde	6.916	77	453694	39.945	ng	100
10) Phenol	6.975	94	871619	40.321	ng	100
11) bis(2-Chloroethyl)ether	7.204	93	686377	40.490	ng	100
12) 1,3-Dichlorobenzene	7.669	146	869556	40.310	ng	100
13) 1,4-Dichlorobenzene	7.816	146	878856	40.490	ng	100
14) 1,2-Dichlorobenzene	8.134	146	830948	40.644	ng	100
15) Benzyl Alcohol	8.016	79	576334	41.317	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.310	45	766170	40.550	ng	100
17) 2-Methylphenol	8.228	107	539006	40.462	ng	100
18) Hexachloroethane	8.857	117	304783	40.360	ng	100
19) n-Nitroso-di-n-propyla...	8.586	70	505613	41.211	ng	100
20) 3+4-Methylphenols	8.551	107	739987	40.745	ng	100
22) Acetophenone	8.598	105	1021725	40.944	ng	100
24) Nitrobenzene	8.975	77	731712	41.211	ng	100
25) Isophorone	9.504	82	1264620	40.940	ng	100
26) 2-Nitrophenol	9.686	139	389011	41.338	ng	100
27) 2,4-Dimethylphenol	9.751	122	438345	41.102	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	842494	40.740	ng	100
29) 2,4-Dichlorophenol	10.222	162	725384	40.918	ng	100
30) 1,2,4-Trichlorobenzene	10.439	180	829411	40.442	ng	100
31) Naphthalene	10.622	128	2139433	40.550	ng	100
32) Benzoic acid	9.875	122	471552	37.918	ng	100
33) 4-Chloroaniline	10.728	127	780602	41.899	ng	100
34) Hexachlorobutadiene	10.916	225	511599	40.329	ng	100
35) Caprolactam	11.516	113	208829	41.071	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	635013	40.893	ng	100
37) 2-Methylnaphthalene	12.239	142	1506744	40.533	ng	100
38) 1-Methylnaphthalene	12.457	142	1464829	40.448	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	910125	40.362	ng	100
41) Hexachlorocyclopentadiene	12.592	237	340037	43.036	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	592155	41.269	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	645125	41.373	ng	100
46) 1,1'-Biphenyl	13.251	154	1969872	41.114	ng	100
47) 2-Chloronaphthalene	13.292	162	1538747	40.860	ng	100
48) 2-Nitroaniline	13.498	65	365393	41.941	ng	100
49) Acenaphthylene	14.145	152	2245605	40.937	ng	100
50) Dimethylphthalate	13.880	163	1853920	40.771	ng	100
51) 2,6-Dinitrotoluene	13.992	165	400110	41.998	ng	100
52) Acenaphthene	14.486	154	1434901	41.123	ng	100
53) 3-Nitroaniline	14.321	138	399172	43.352	ng	100
54) 2,4-Dinitrophenol	14.533	184	236910	38.463	ng	100
55) Dibenzofuran	14.821	168	2378962	40.784	ng	100
56) 4-Nitrophenol	14.639	139	348645	42.490	ng	100
57) 2,4-Dinitrotoluene	14.780	165	542212	42.662	ng	100
58) Fluorene	15.468	166	1908871	41.170	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	550595	40.287	ng	100
60) Diethylphthalate	15.245	149	1791575	41.085	ng	100
61) 4-Chlorophenyl-phenyle...	15.468	204	1016885	40.907	ng	100
62) 4-Nitroaniline	15.486	138	411956	43.263	ng	100
63) Azobenzene	15.757	77	1549968	41.517	ng	100
65) 4,6-Dinitro-2-methylph...	15.551	198	332394	41.869	ng	100
66) n-Nitrosodiphenylamine	15.680	169	1560374	41.387	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	601282	41.113	ng	100
68) Hexachlorobenzene	16.480	284	686665	40.933	ng	100
69) Atrazine	16.627	200	326609	33.411	ng	100
70) Pentachlorophenol	16.815	266	514744	41.678	ng	100
71) Phenanthrene	17.209	178	2854182	41.324	ng	100
72) Anthracene	17.298	178	2833652	41.631	ng	100
73) Carbazole	17.562	167	2667570	41.609	ng	100
74) Di-n-butylphthalate	18.133	149	3062695	41.476	ng	100
75) Fluoranthene	19.221	202	3495877	41.165	ng	100
77) Benzidine	19.403	184	1028267	60.691	ng	100
78) Pyrene	19.586	202	3596605	40.863	ng	100
80) Butylbenzylphthalate	20.486	149	1368958	41.392	ng	100
81) Benzo(a)anthracene	21.386	228	3478165	40.979	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	1342391	41.880	ng	100
83) Chrysene	21.450	228	3299571	40.890	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	2000260	41.512	ng	100
85) Di-n-octyl phthalate	22.444	149	3479444	41.276	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4168171	40.421	ng	100
88) Benzo(b)fluoranthene	23.456	252	3619584	40.968	ng	100
89) Benzo(k)fluoranthene	23.521	252	3436549	40.138	ng	100
90) Benzo(a)pyrene	24.268	252	3127065	40.278	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	3441534	40.519	ng	100
92) Benzo(g,h,i)perylene	28.856	276	3500110	40.326	ng	100

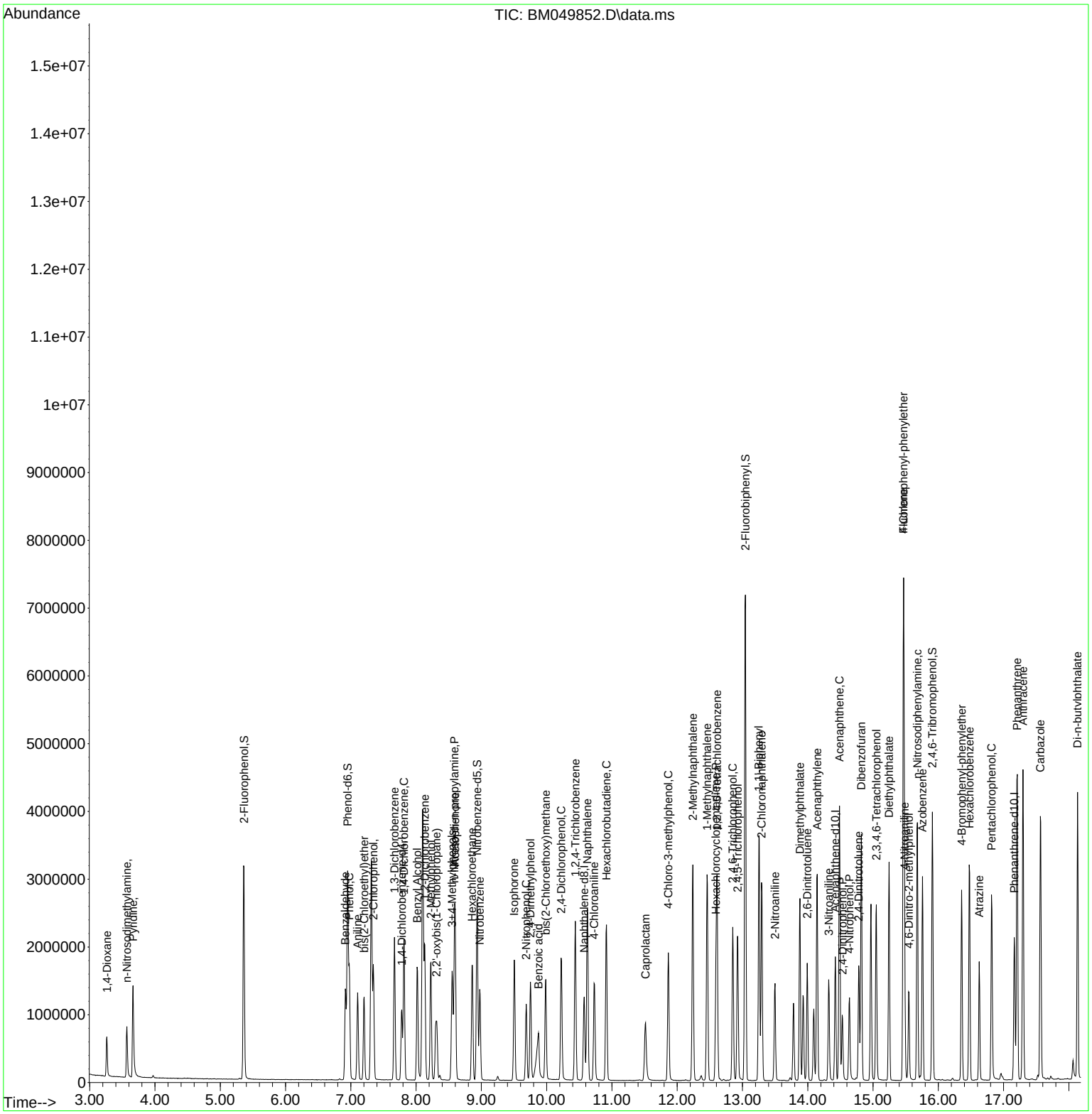
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

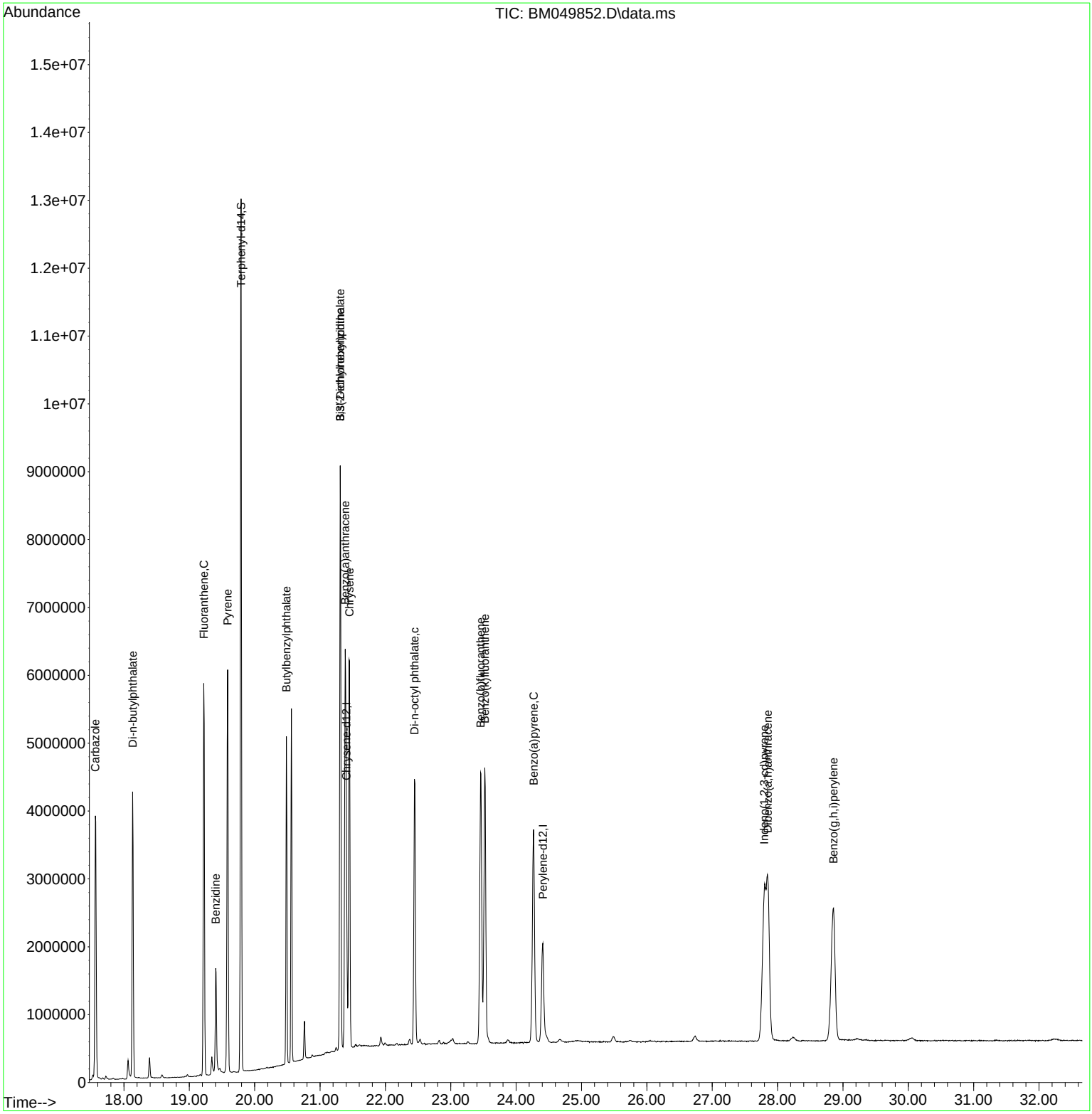


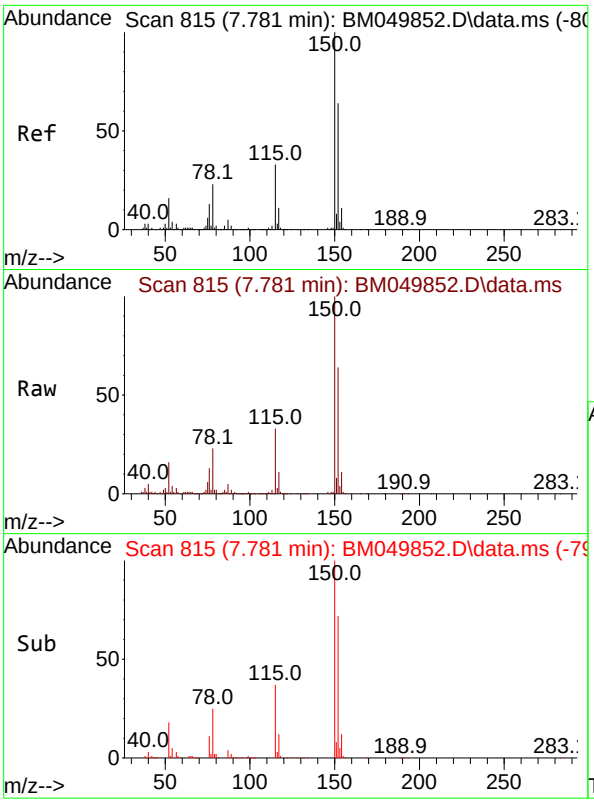
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



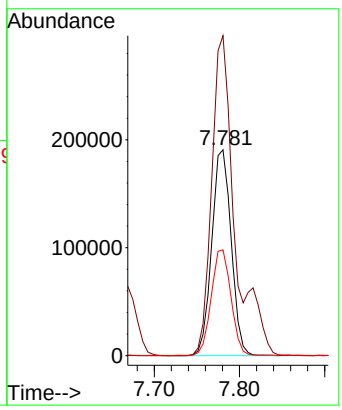


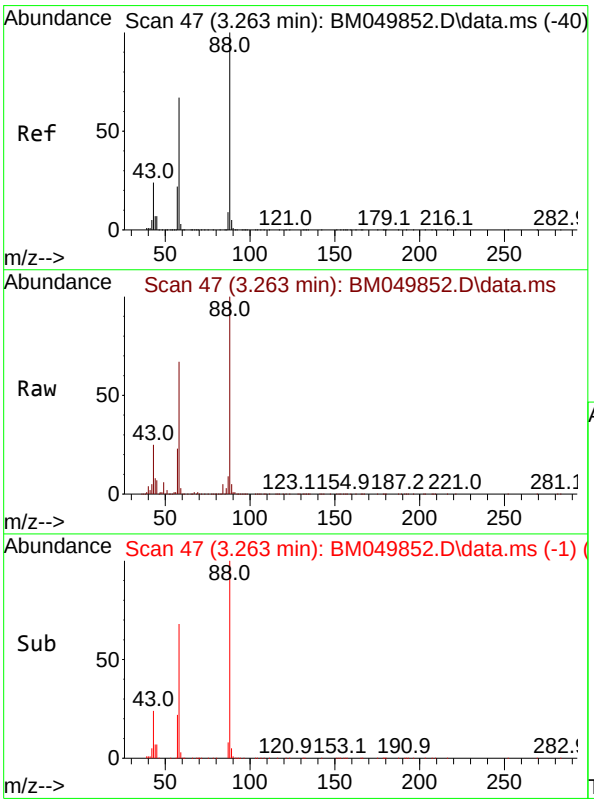
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 302331

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	51.4	41.1	61.7

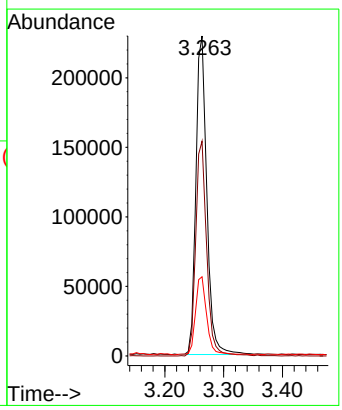


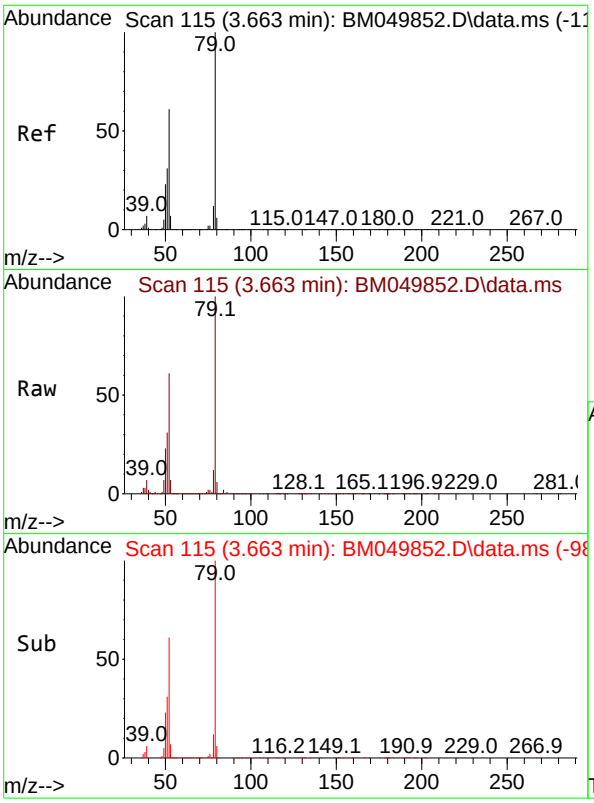


#2
1,4-Dioxane
Concen: 40.249 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 88 Resp: 295123

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.1	81.1
43	25.3	20.2	30.4



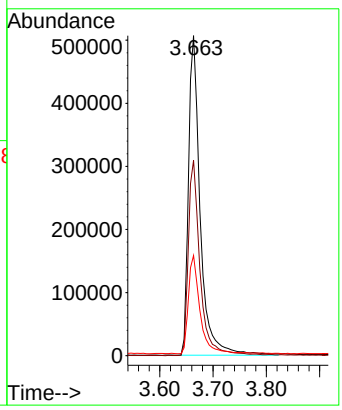


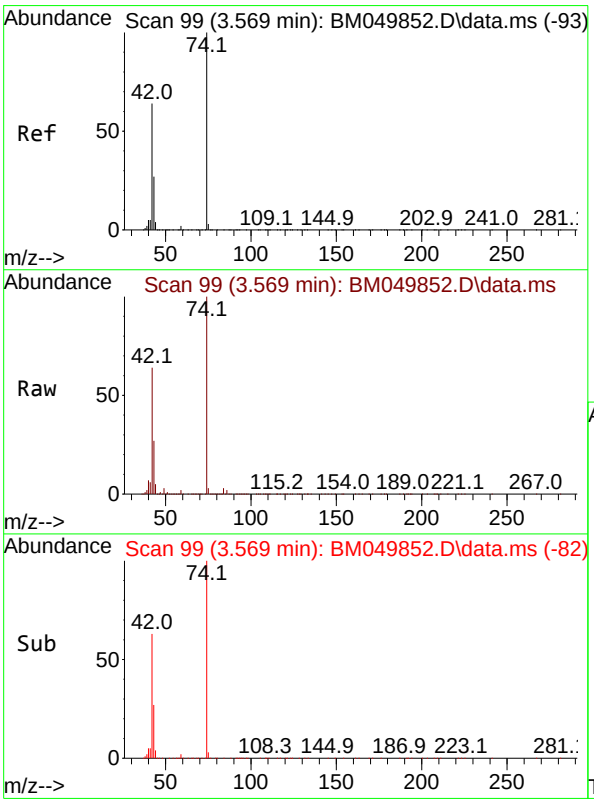
#3
Pyridine
Concen: 40.422 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 778424

Ion	Ratio	Lower	Upper
79	100		
52	61.1	48.9	73.3
51	31.3	25.0	37.6

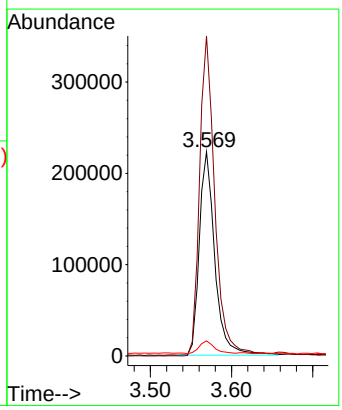


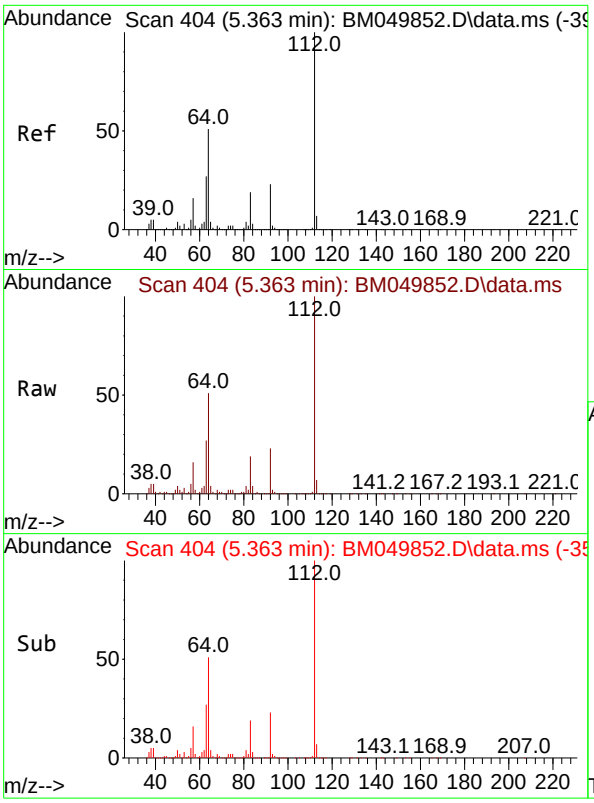


#4
n-Nitrosodimethylamine
Concen: 40.309 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 42 Resp: 295528

Ion	Ratio	Lower	Upper
42	100		
74	156.8	125.4	188.2
44	7.4	5.9	8.9



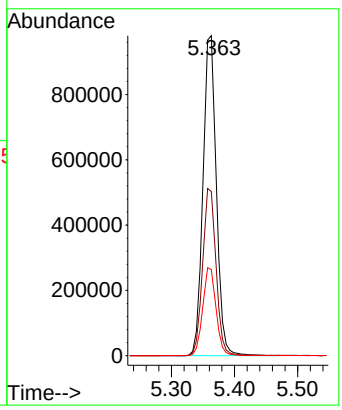


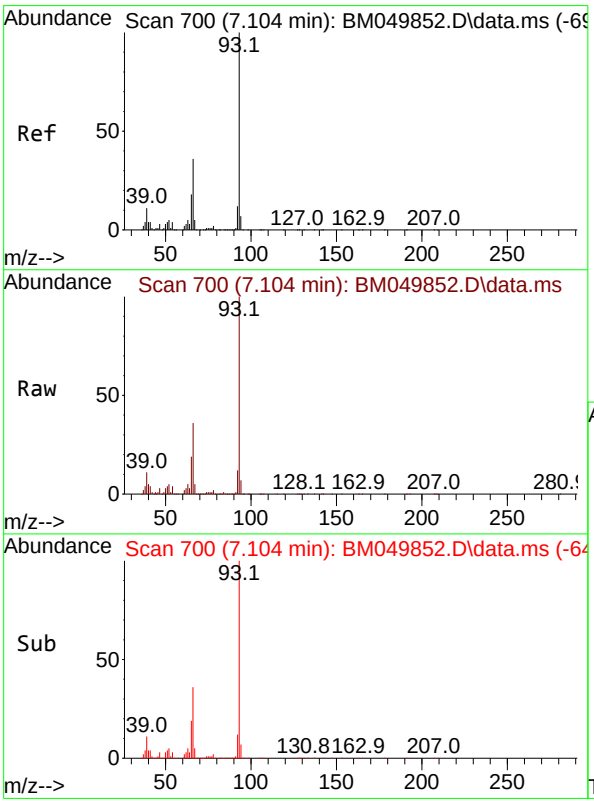
#5
2-Fluorophenol
Concen: 80.908 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1440504

Ion	Ratio	Lower	Upper
112	100		
64	51.3	41.0	61.6
63	26.9	21.5	32.3

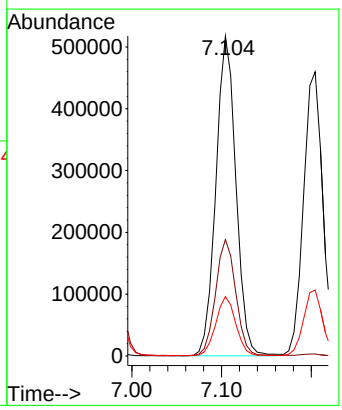


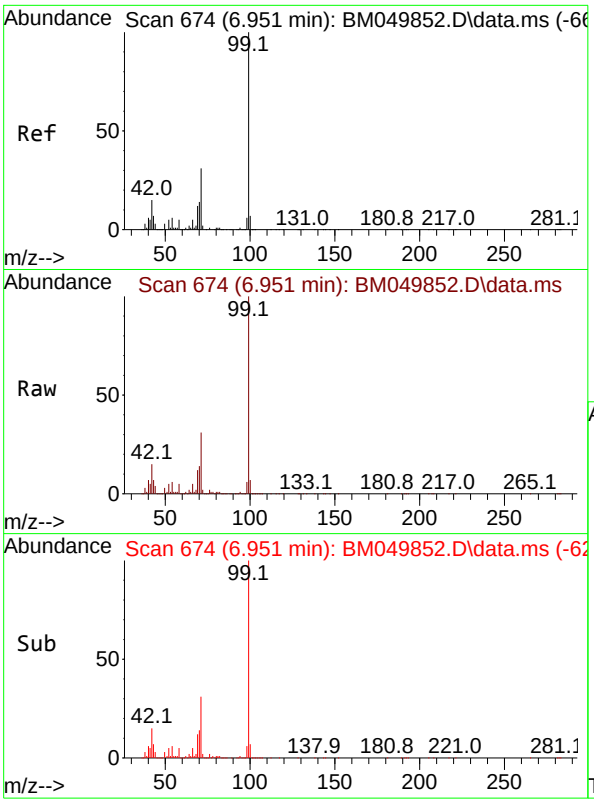


#6
Aniline
Concen: 42.221 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 93 Resp: 801408

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.6	14.9	22.3



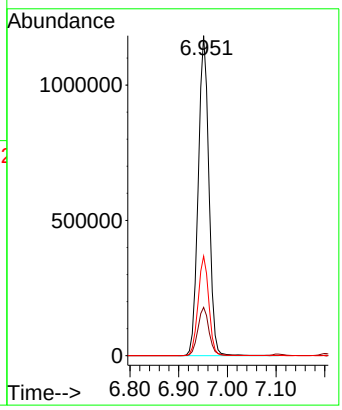


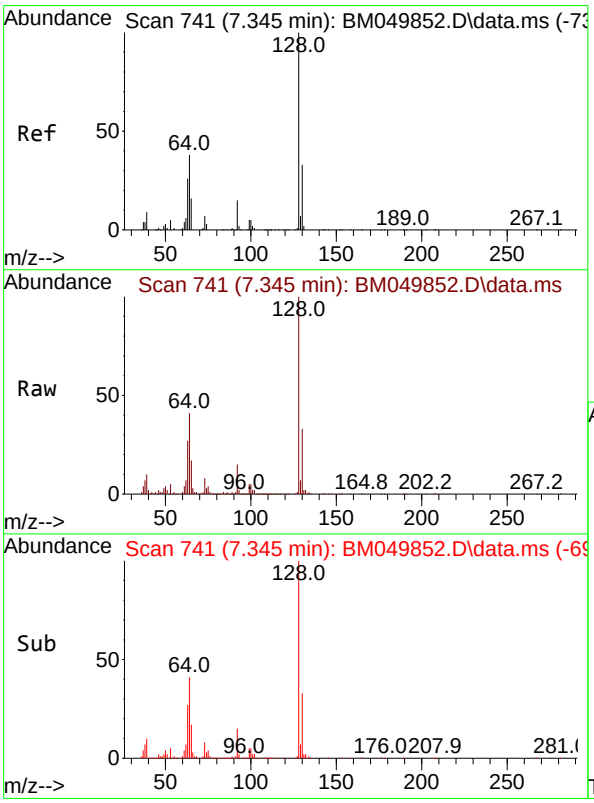
#7
Phenol-d6
Concen: 81.386 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1802855

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	31.1	24.9	37.3

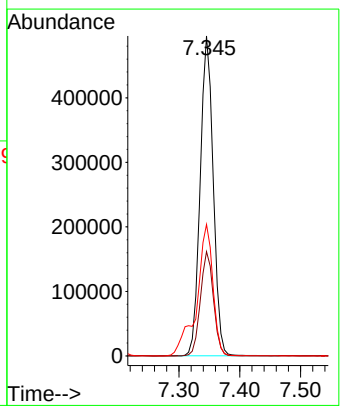


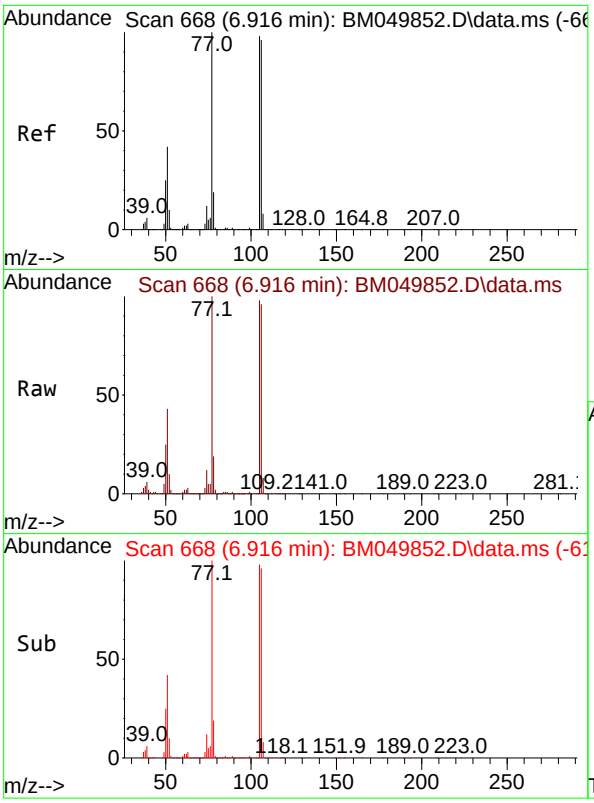


#8
2-Chlorophenol
Concen: 40.349 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:128 Resp: 736217

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	41.1	21.1	61.1



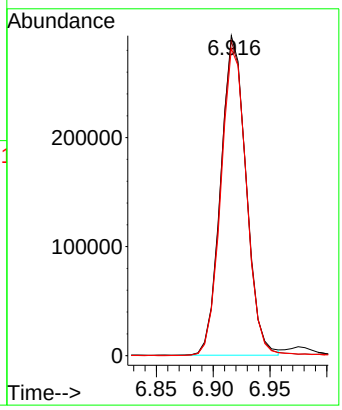


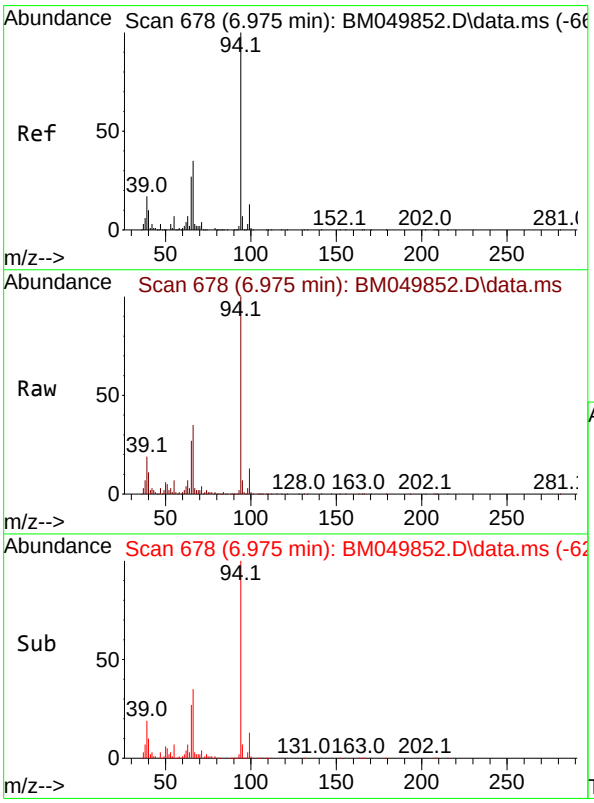
#9
Benzaldehyde
Concen: 39.945 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 453694

Ion	Ratio	Lower	Upper
77	100		
105	98.3	78.3	118.3
106	96.0	76.0	116.0

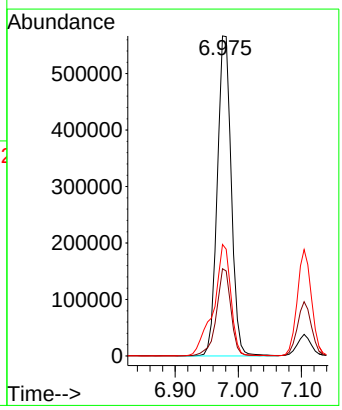


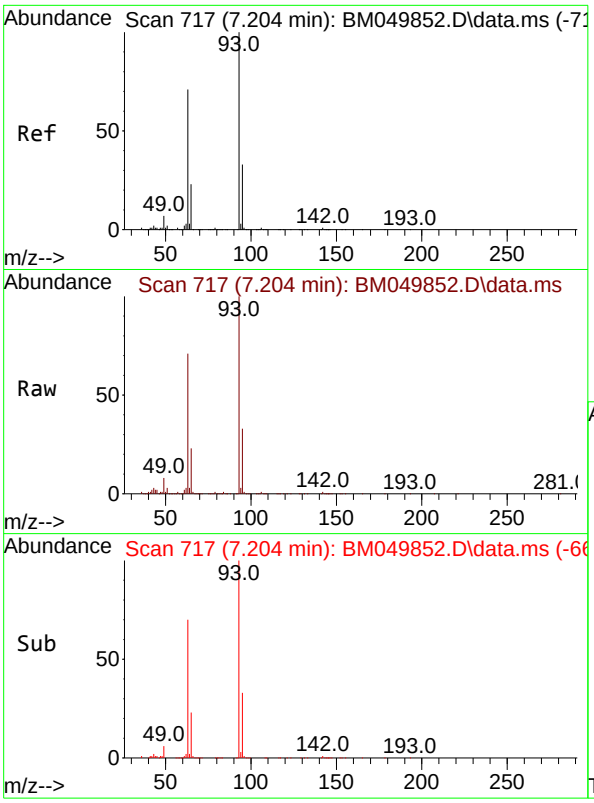


#10
Phenol
Concen: 40.321 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 94 Resp: 871619

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.3	47.3
66	34.8	14.8	54.8



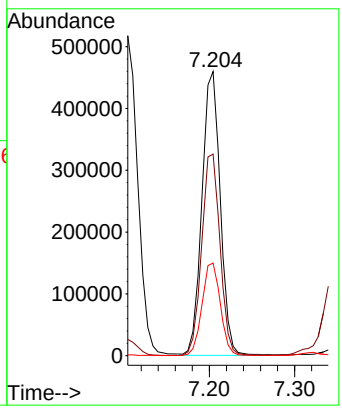


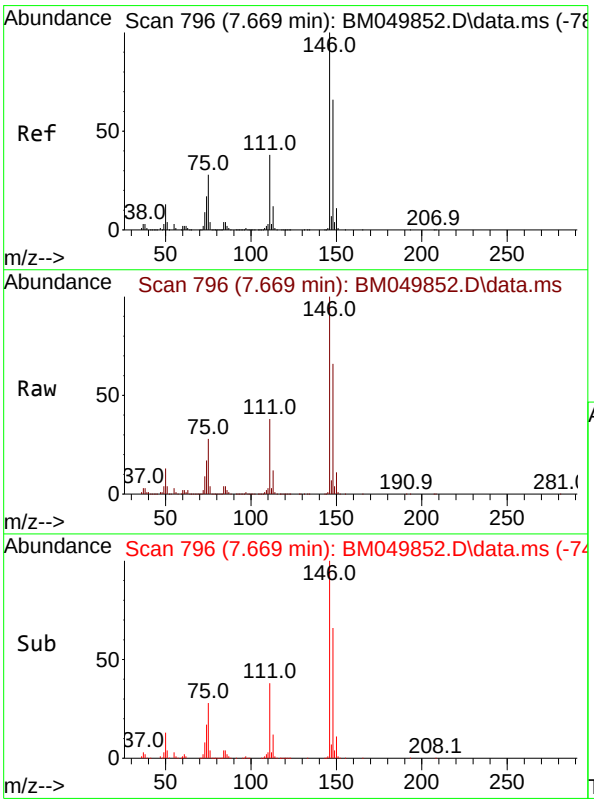
#11
bis(2-Chloroethyl)ether
Concen: 40.490 ng
RT: 7.204 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 686377

Ion	Ratio	Lower	Upper
93	100		
63	70.9	50.9	90.9
95	32.6	12.6	52.6

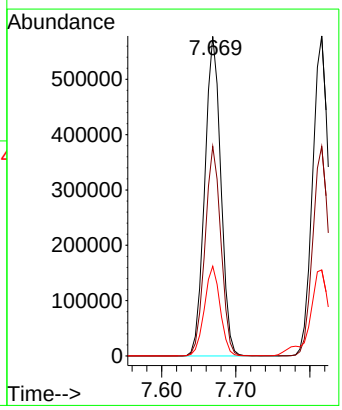


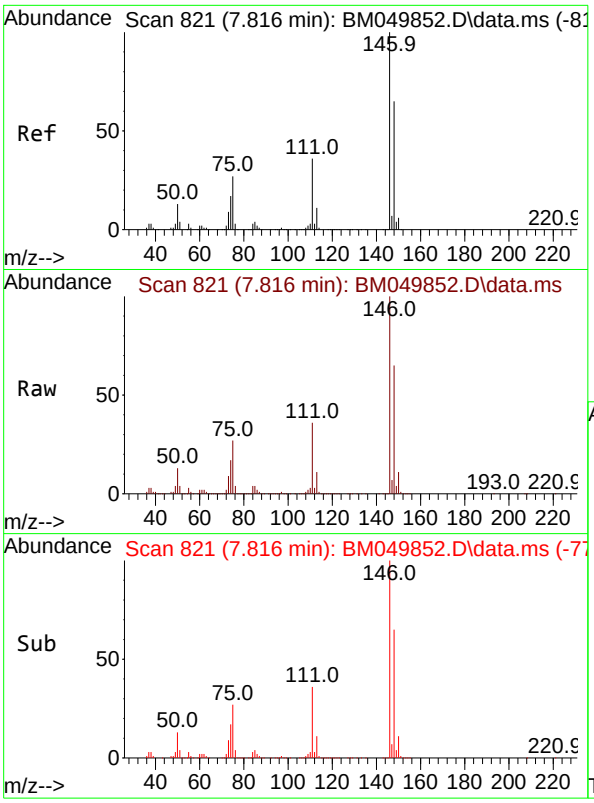


#12
1,3-Dichlorobenzene
Concen: 40.310 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:146 Resp: 869556

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
75	28.1	22.5	33.7



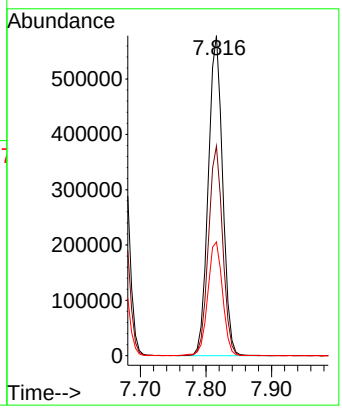


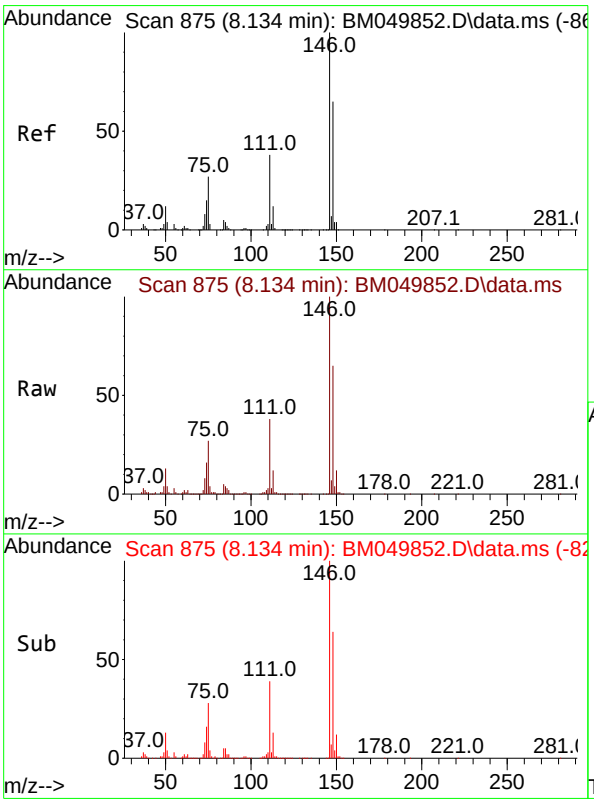
#13
1,4-Dichlorobenzene
Concen: 40.490 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 878856

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	35.6	28.5	42.7

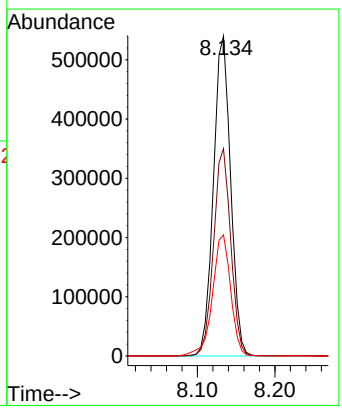


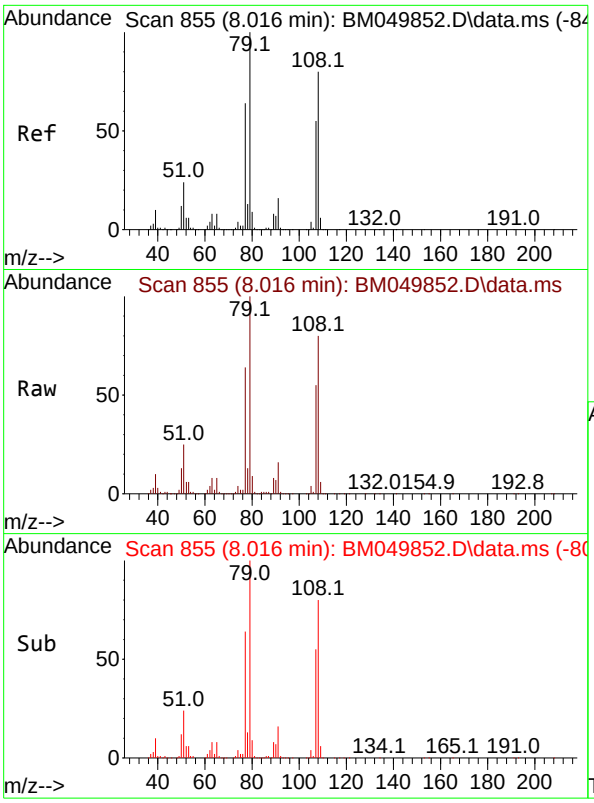


#14
1,2-Dichlorobenzene
Concen: 40.644 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:146 Resp: 830948

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	37.8	30.2	45.4



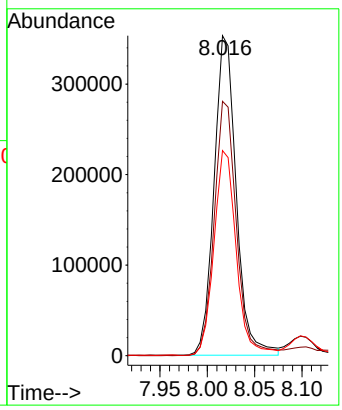


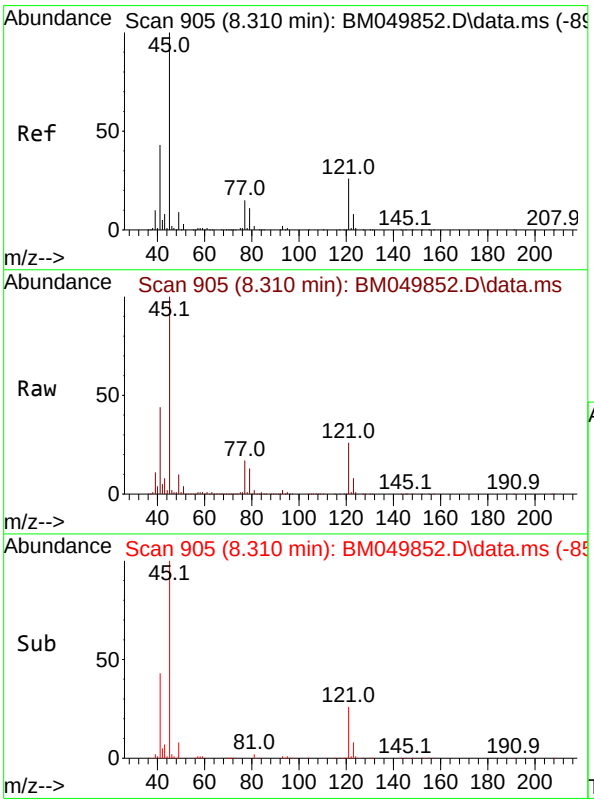
#15
Benzyl Alcohol
Concen: 41.317 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 576334

Ion	Ratio	Lower	Upper
79	100		
108	79.5	63.6	95.4
77	64.1	51.3	76.9

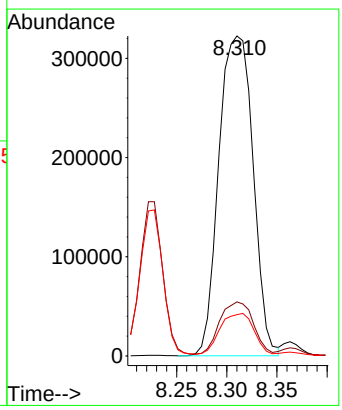


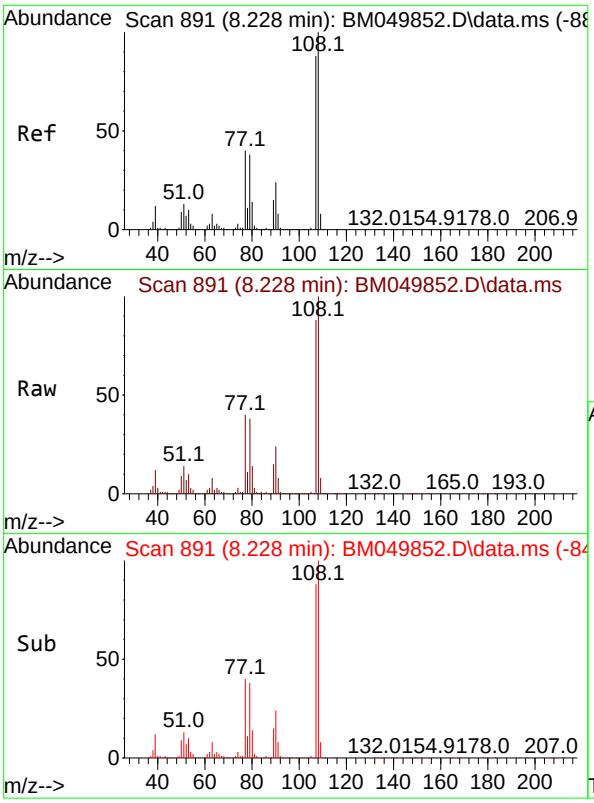


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.550 ng
RT: 8.310 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 45 Resp: 766170

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	12.9	0.0	32.9



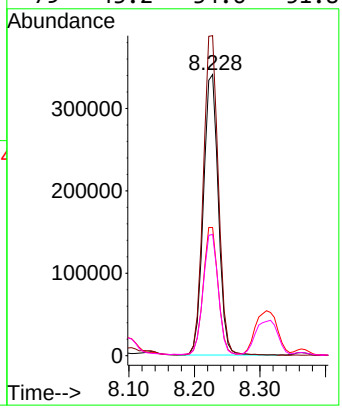


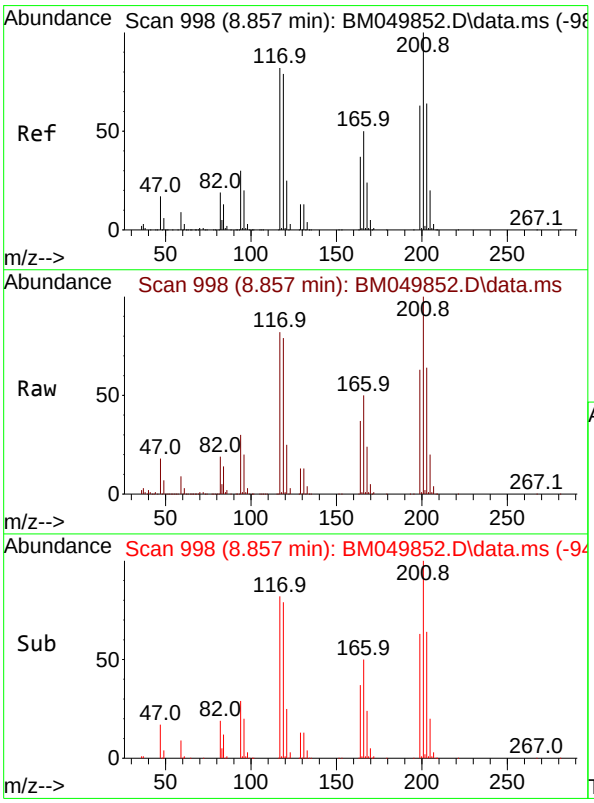
#17
2-Methylphenol
Concen: 40.462 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 539006

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.0	136.6
77	45.6	36.5	54.7
79	43.2	34.6	51.8

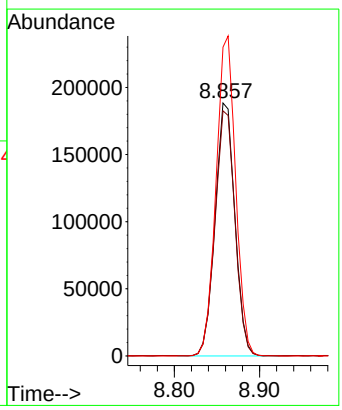


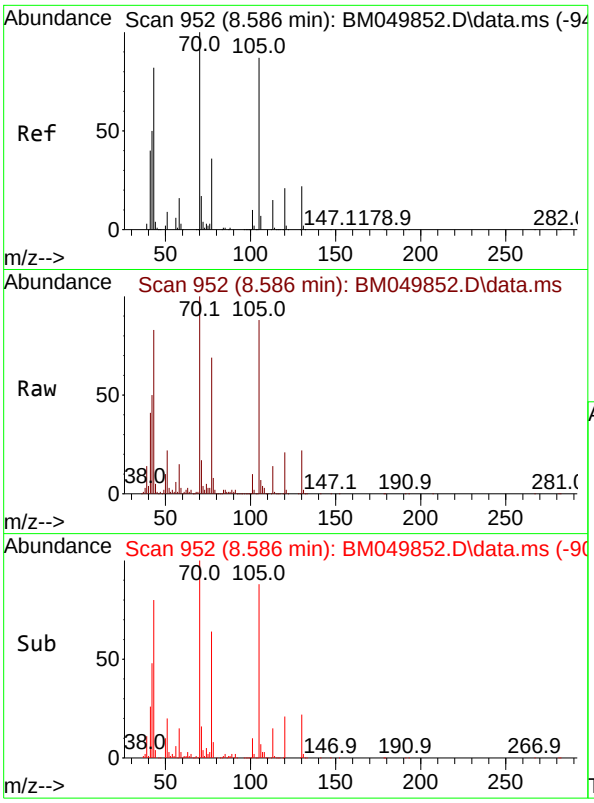


#18
Hexachloroethane
Concen: 40.360 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:117 Resp: 304783

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	122.1	97.7	146.5



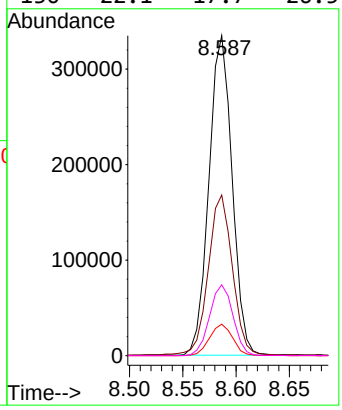


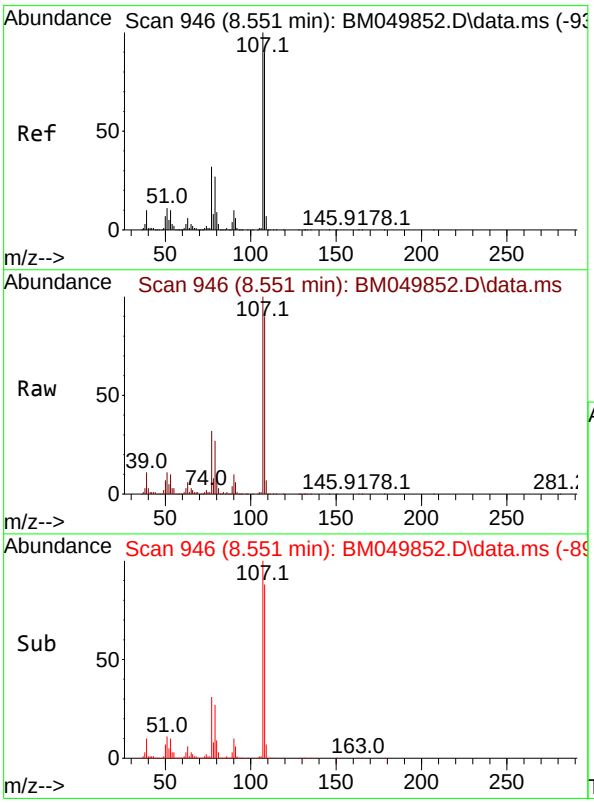
#19
n-Nitroso-di-n-propylamine
Concen: 41.211 ng
RT: 8.586 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 505613

Ion	Ratio	Lower	Upper
70	100		
42	50.2	40.2	60.2
101	9.9	7.9	11.9
130	22.1	17.7	26.5

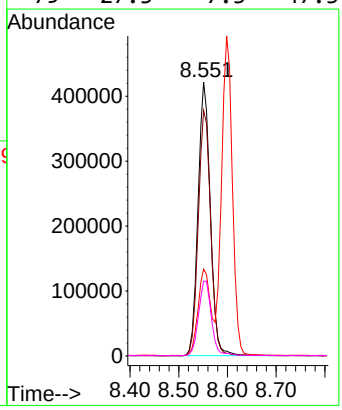


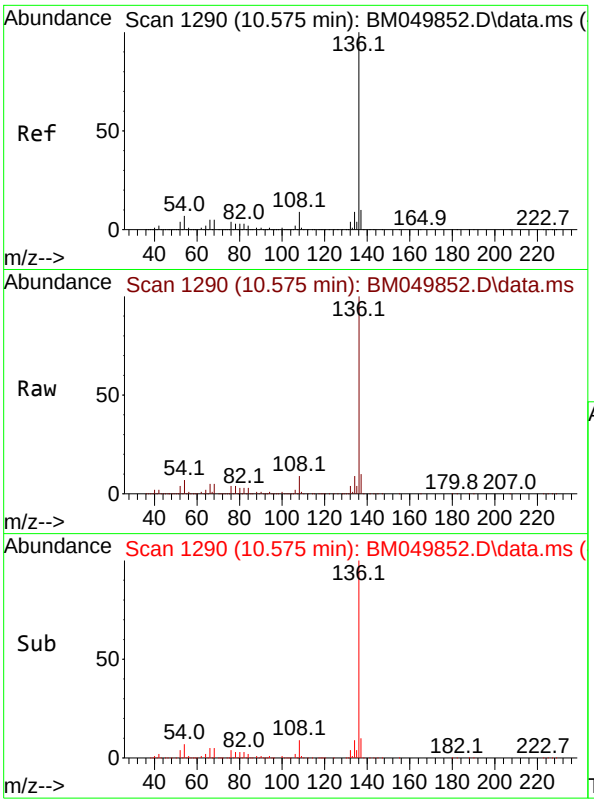


#20
3+4-Methylphenols
Concen: 40.745 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:107 Resp: 739987

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	31.7	11.7	51.7
79	27.3	7.3	47.3



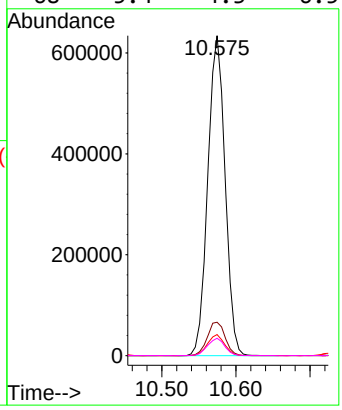


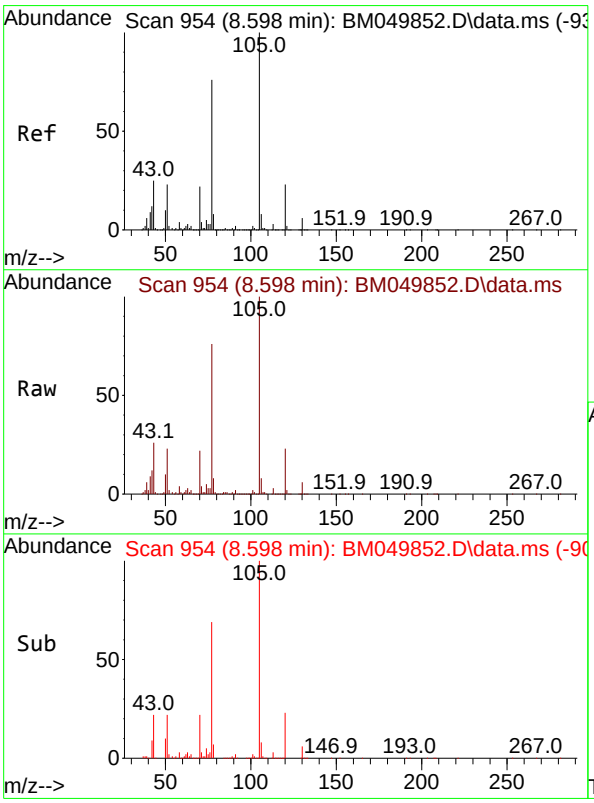
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1026791

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	6.6	5.3	7.9
68	5.4	4.3	6.5

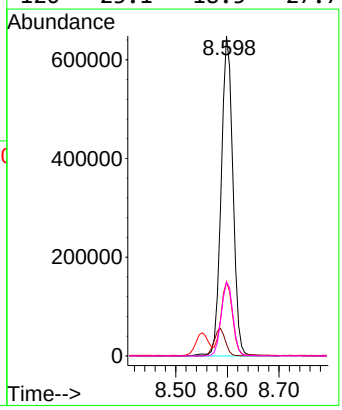


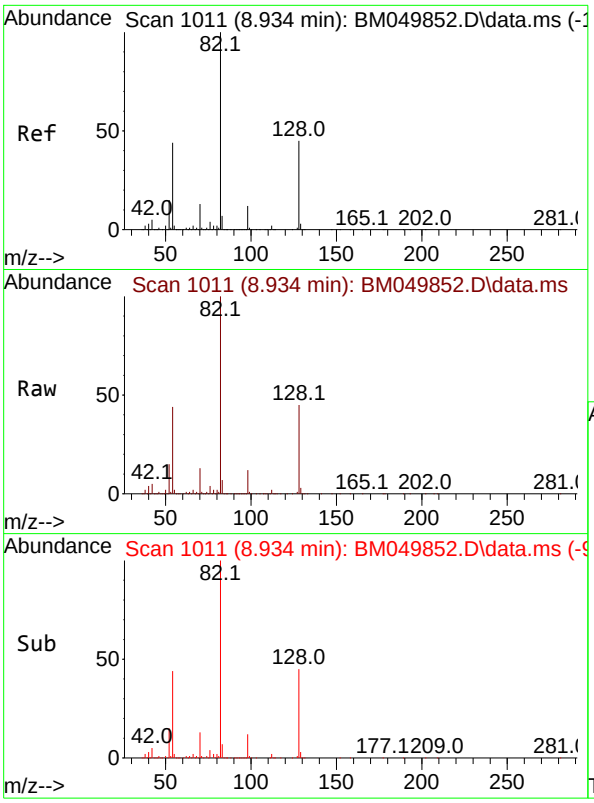


#22
Acetophenone
Concen: 40.944 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:105 Resp: 1021725

Ion	Ratio	Lower	Upper
105	100		
71	3.7	3.0	4.4
51	23.2	18.6	27.8
120	23.1	18.5	27.7



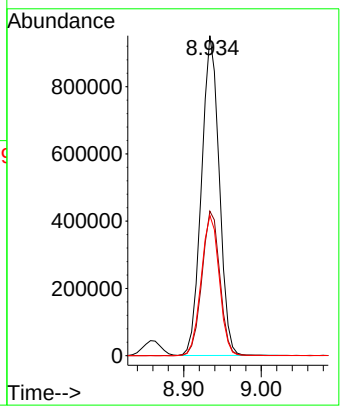


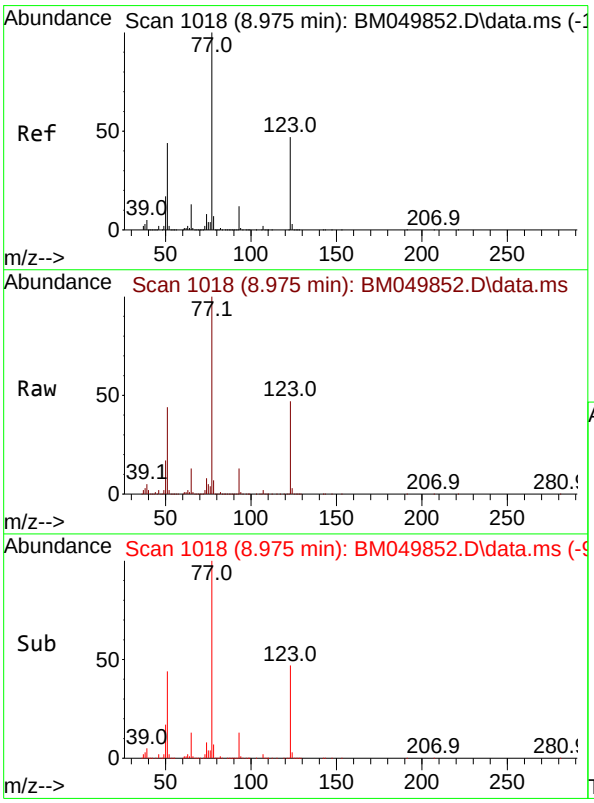
#23
Nitrobenzene-d5
Concen: 81.893 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1510046

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.2	54.2
54	43.8	35.0	52.6

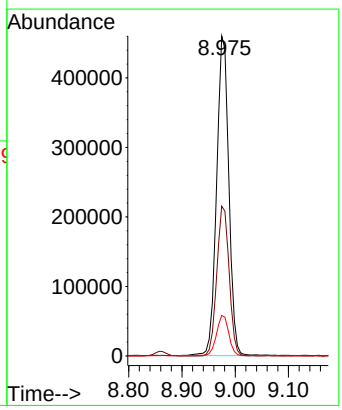


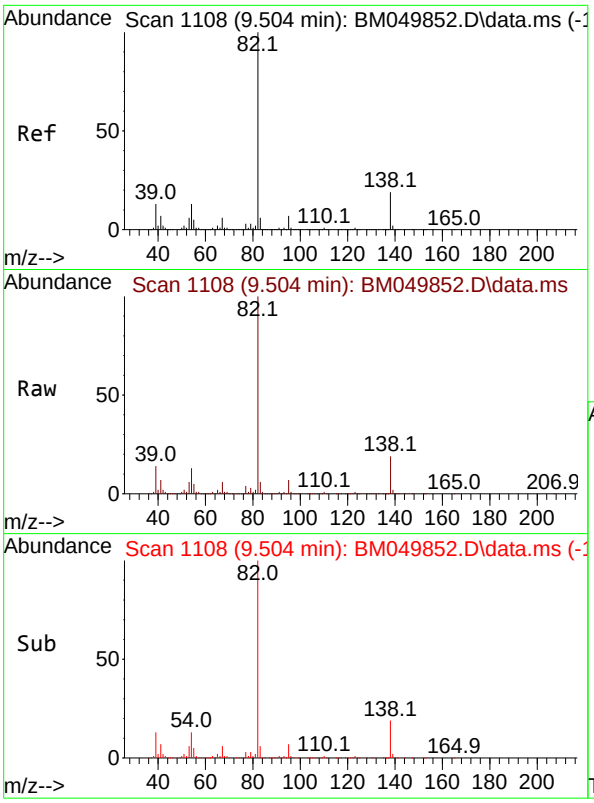


#24
Nitrobenzene
Concen: 41.211 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 77 Resp: 731712

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	12.6	10.1	15.1



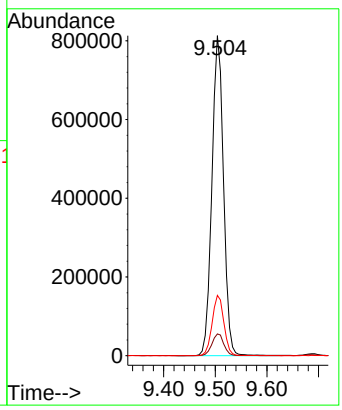


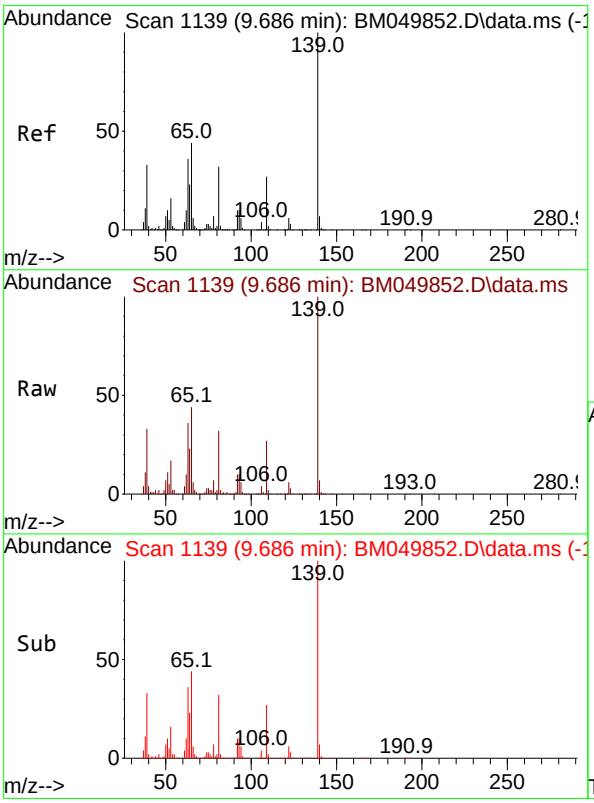
#25
Isophorone
Concen: 40.940 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1264620

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.8	15.0	22.6

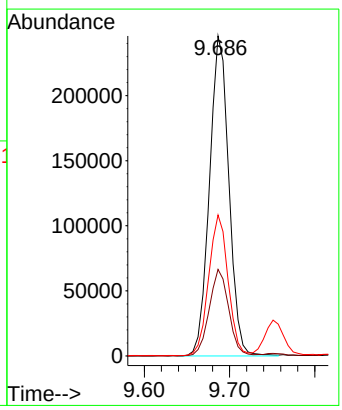


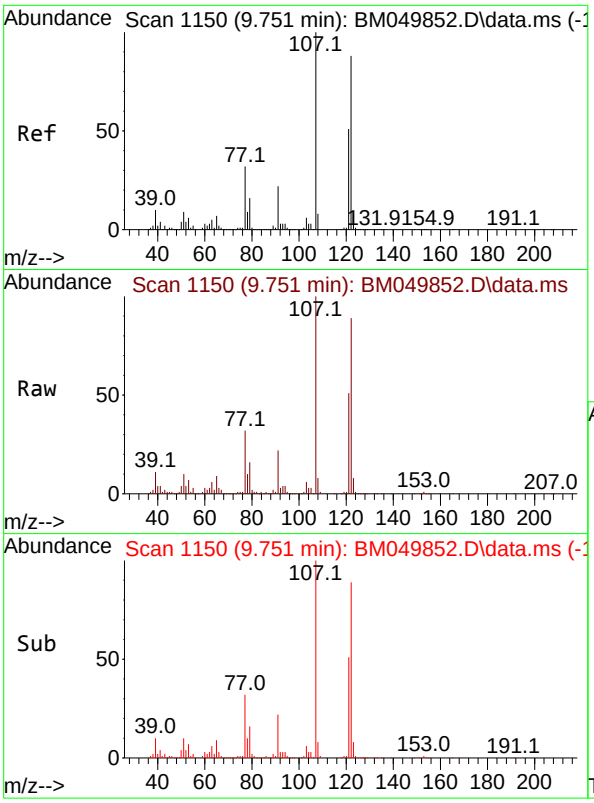


#26
2-Nitrophenol
Concen: 41.338 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:139 Resp: 389011

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.7	32.5
65	44.0	35.2	52.8



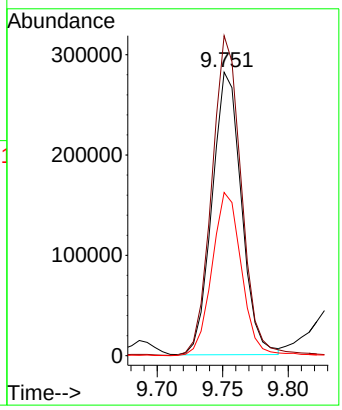


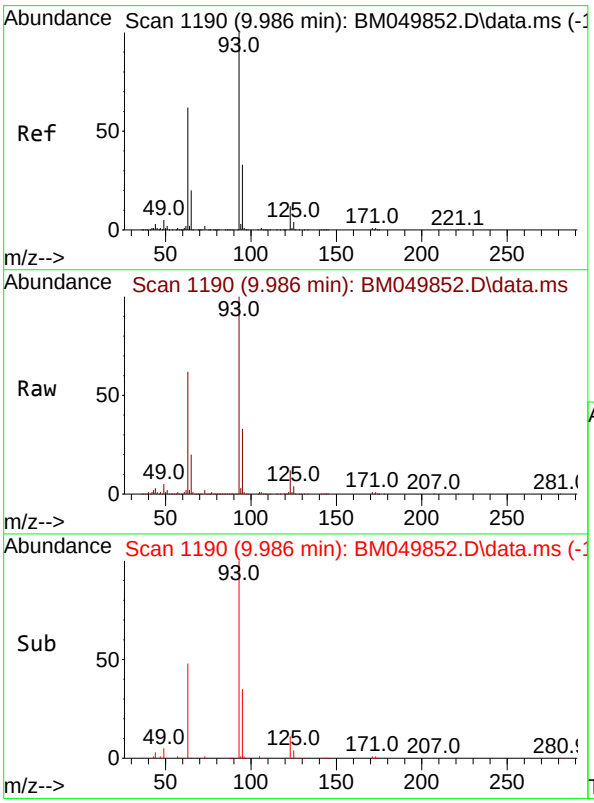
#27
2,4-Dimethylphenol
Concen: 41.102 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 438345

Ion	Ratio	Lower	Upper
122	100		
107	112.9	90.3	135.5
121	57.6	46.1	69.1

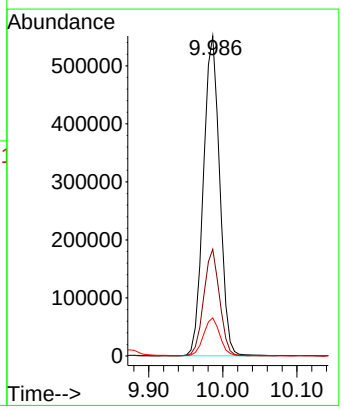


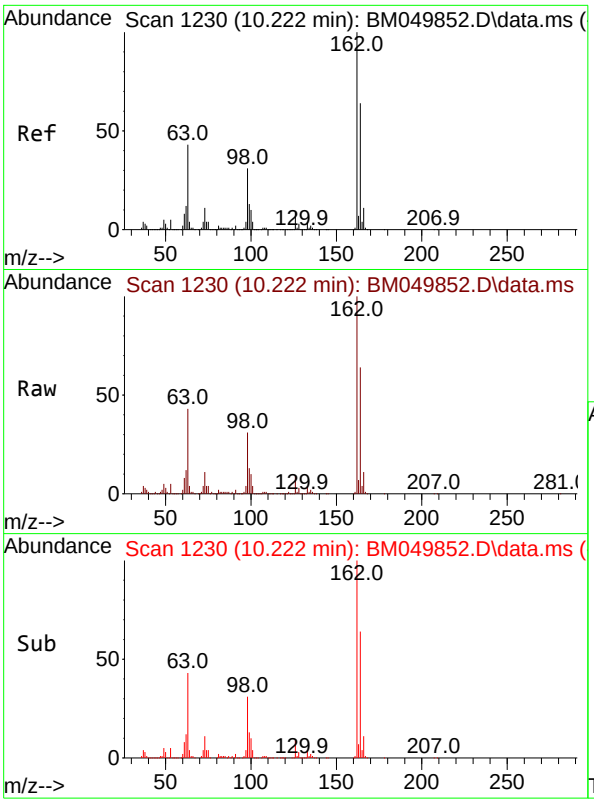


#28
bis(2-Chloroethoxy)methane
Concen: 40.740 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 93 Resp: 842494

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	11.9	9.5	14.3



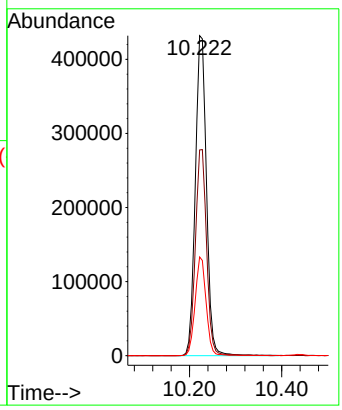


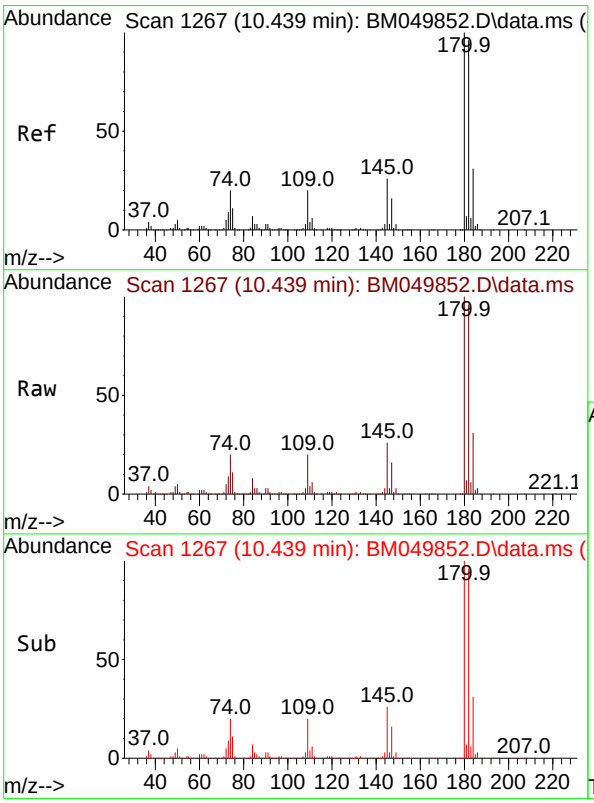
#29
2,4-Dichlorophenol
Concen: 40.918 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 725384

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	30.9	10.9	50.9

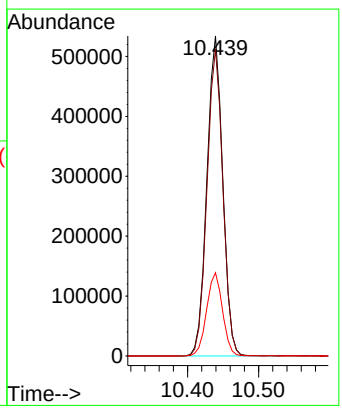


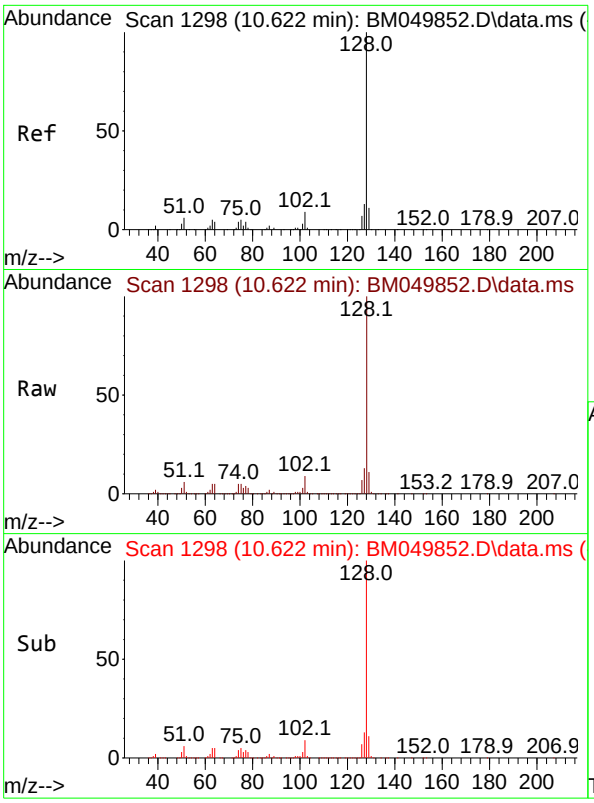


#30
1,2,4-Trichlorobenzene
Concen: 40.442 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:180 Resp: 829411

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	26.0	20.8	31.2



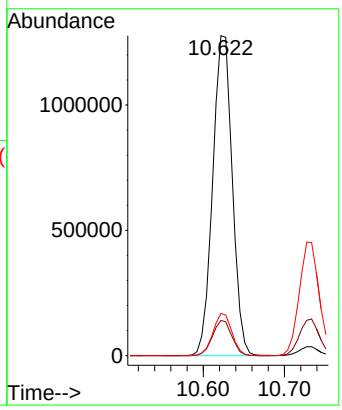


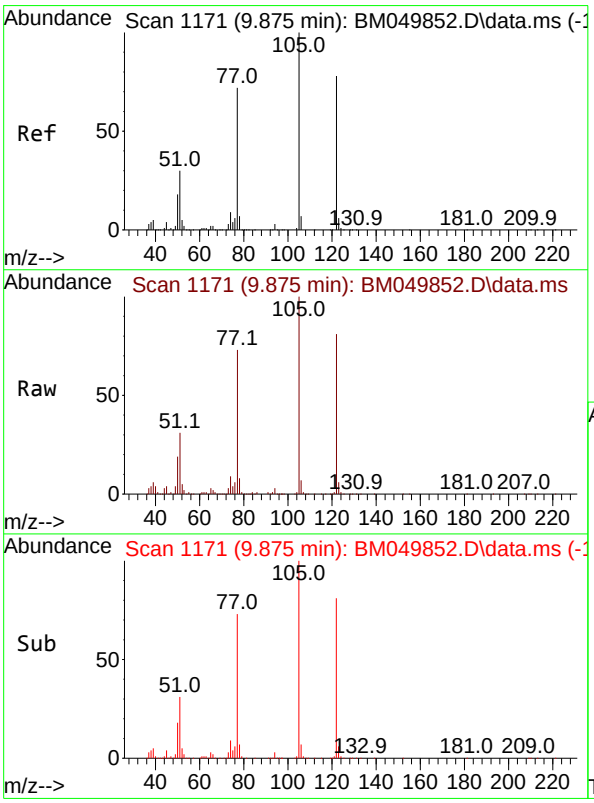
#31
Naphthalene
Concen: 40.550 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2139433

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

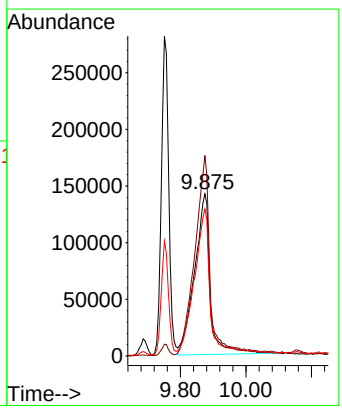


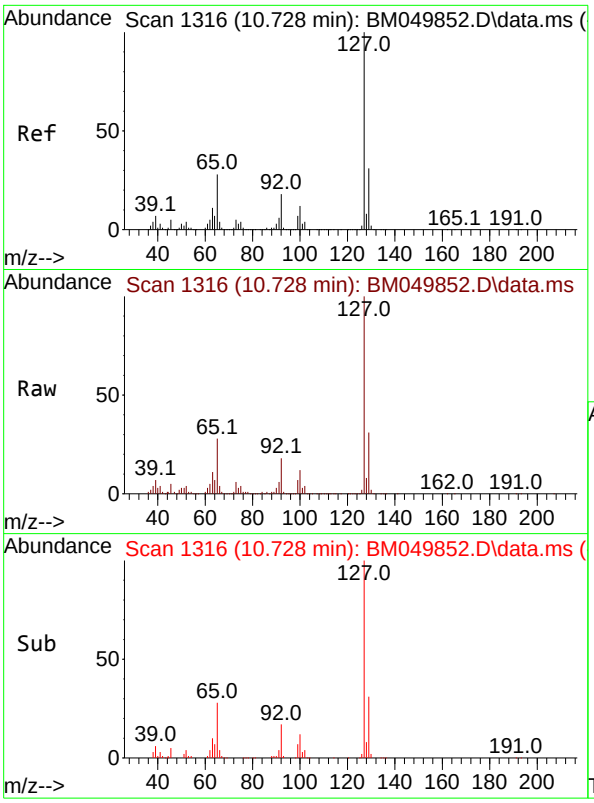


#32
Benzoic acid
Concen: 37.918 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:122 Resp: 471552

Ion	Ratio	Lower	Upper
122	100		
105	123.8	103.8	143.8
77	90.7	70.7	110.7



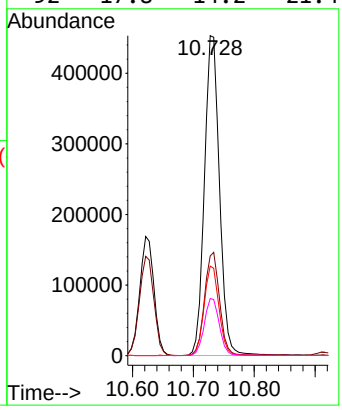


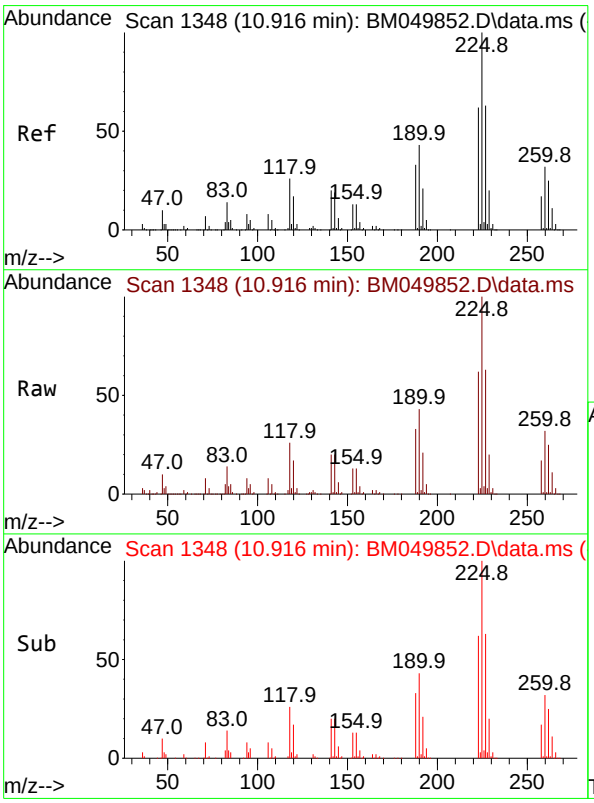
#33
4-Chloroaniline
Concen: 41.899 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 780602

Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	28.0	22.4	33.6
92	17.8	14.2	21.4

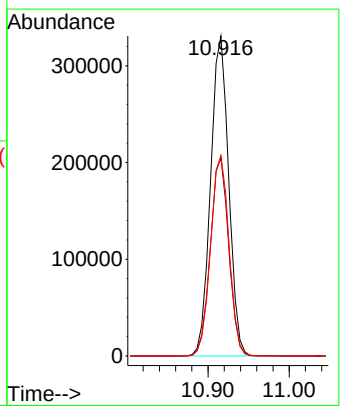


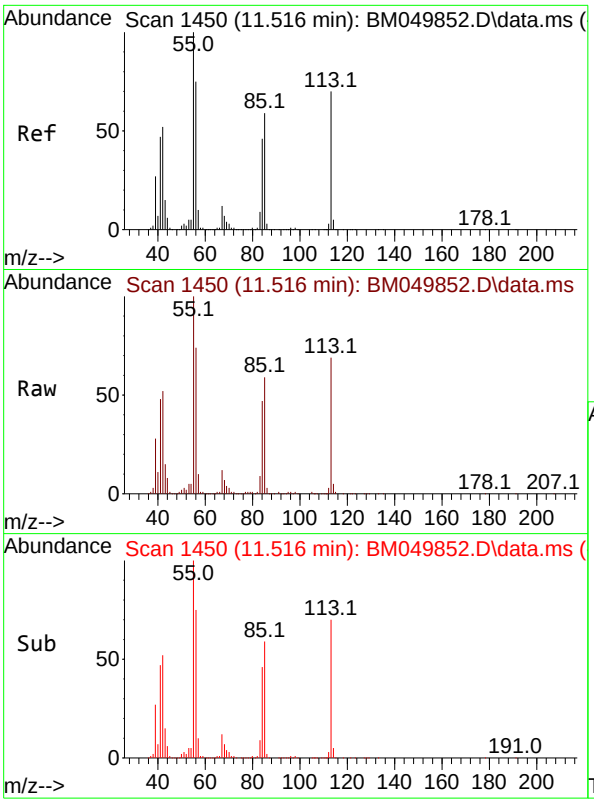


#34
Hexachlorobutadiene
Concen: 40.329 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:225 Resp: 511599

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.4	74.2
227	62.6	50.1	75.1



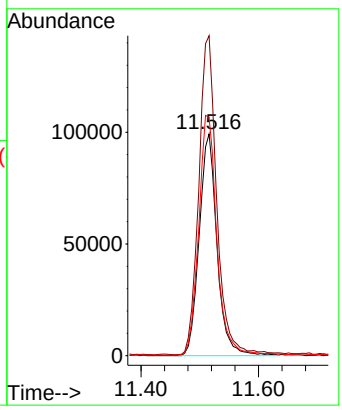


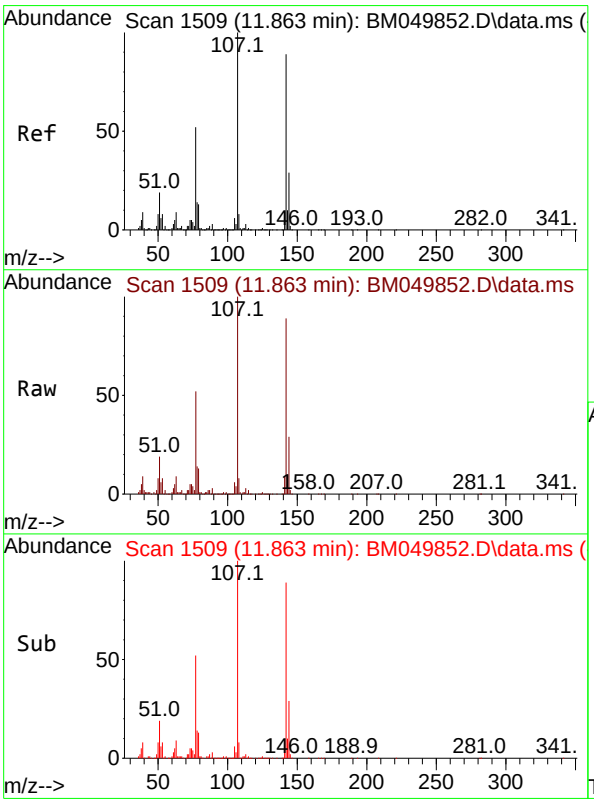
#35
Caprolactam
Concen: 41.071 ng
RT: 11.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 208829

Ion	Ratio	Lower	Upper
113	100		
55	144.3	124.3	164.3
56	107.5	87.5	127.5

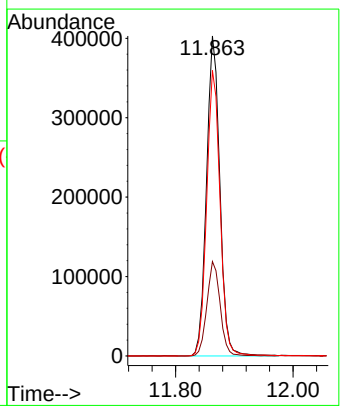


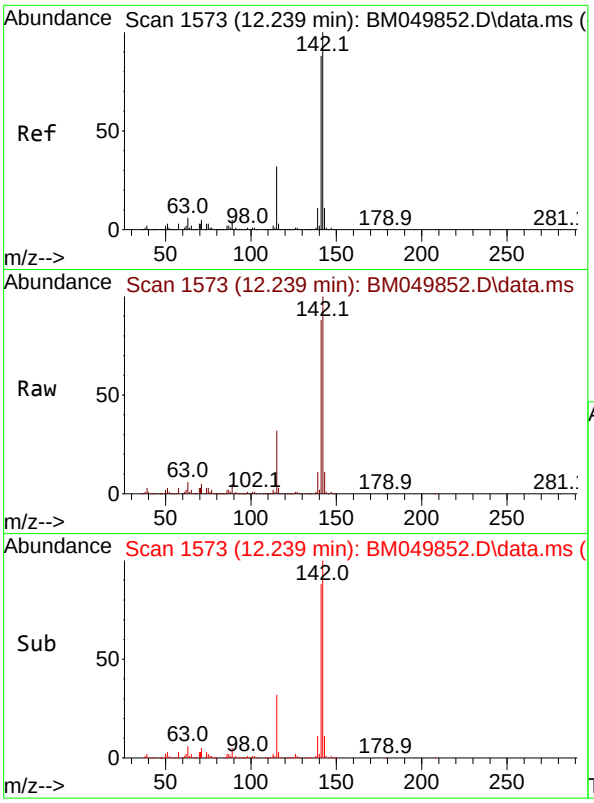


#36
4-Chloro-3-methylphenol
Concen: 40.893 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:107 Resp: 635013

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.6	35.4
142	89.2	71.4	107.0



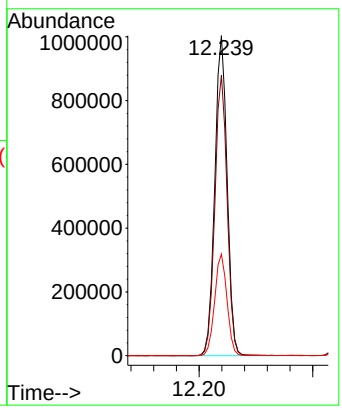


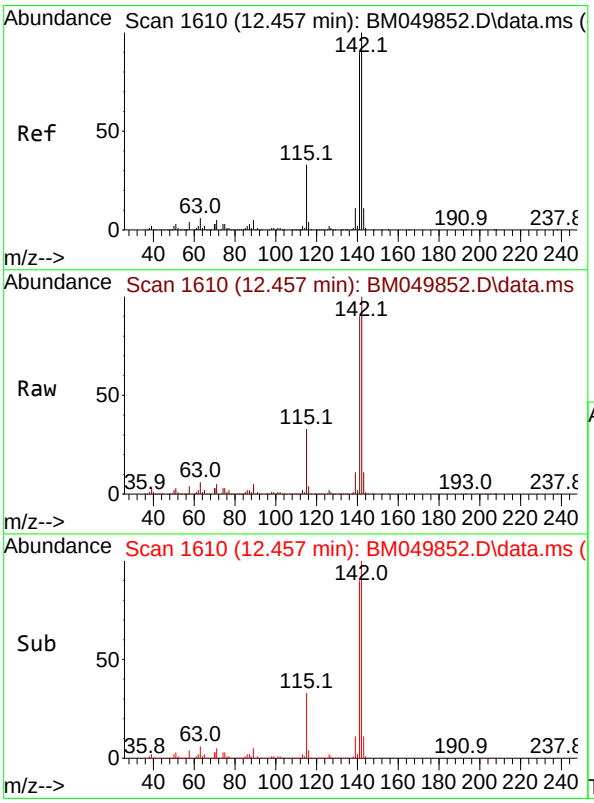
#37
2-Methylnaphthalene
Concen: 40.533 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1506744

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.2	105.2
115	31.8	25.4	38.2

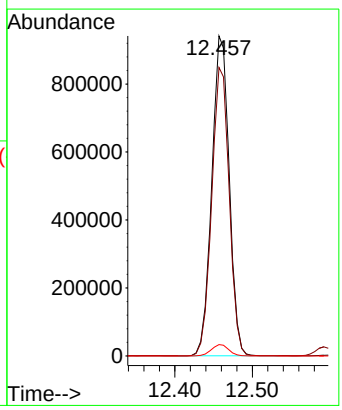


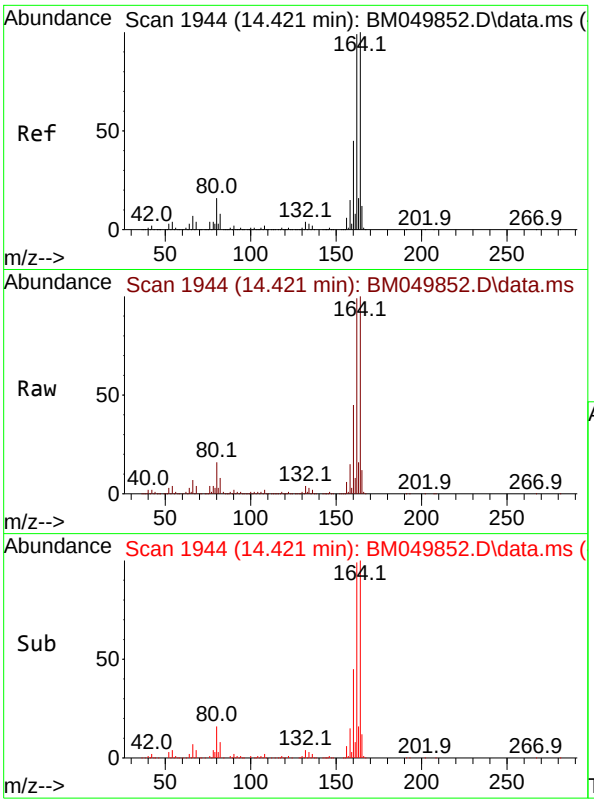


#38
1-Methylnaphthalene
Concen: 40.448 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:142 Resp: 1464829

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2
116	3.6	2.9	4.3



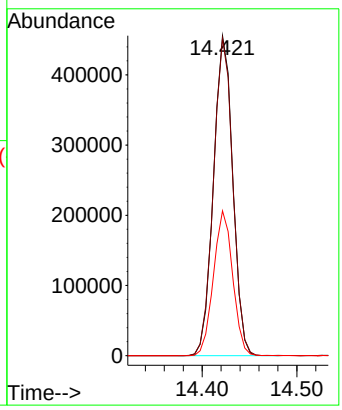


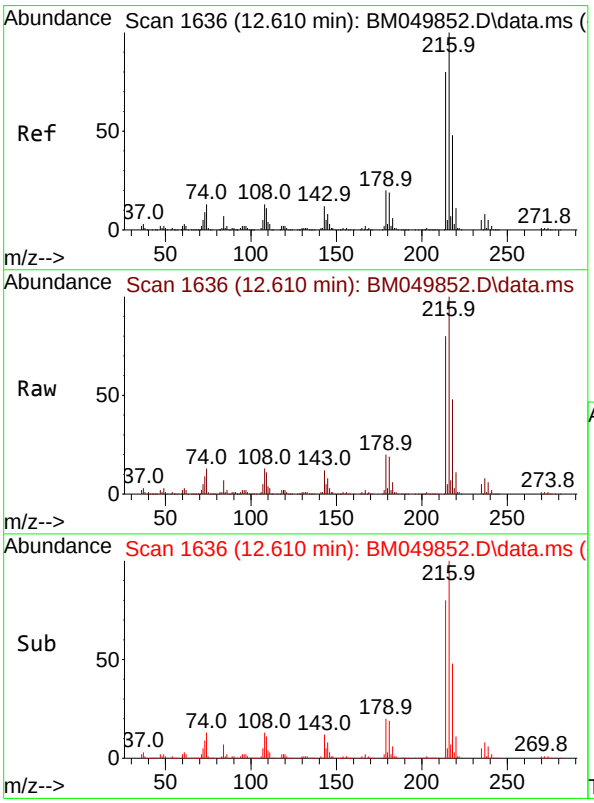
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 644538

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	45.2	36.2	54.2

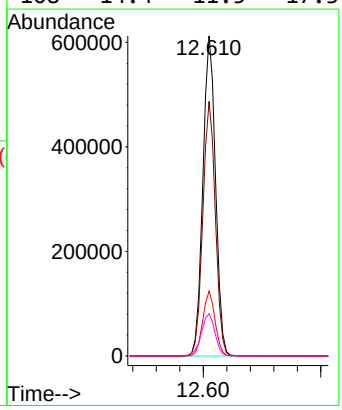


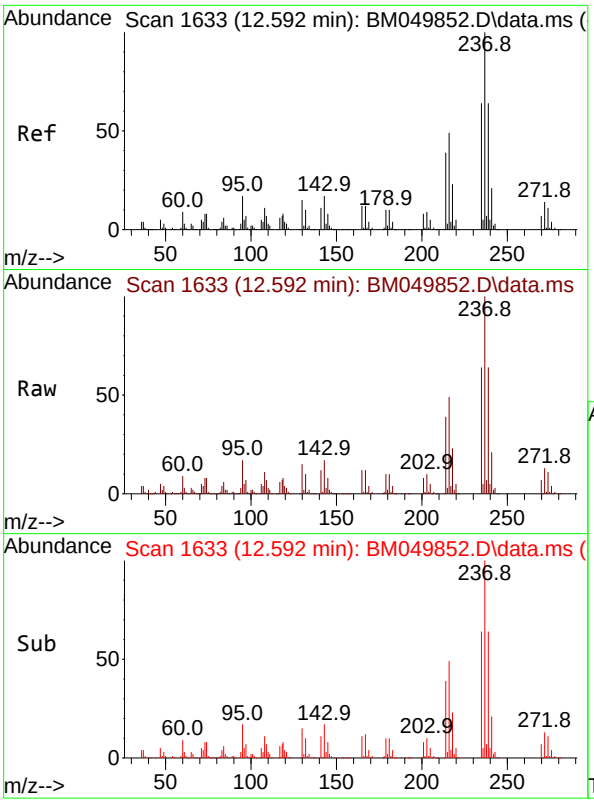


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.362 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:216 Resp: 910125

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	19.7	15.8	23.6
108	14.4	11.5	17.3



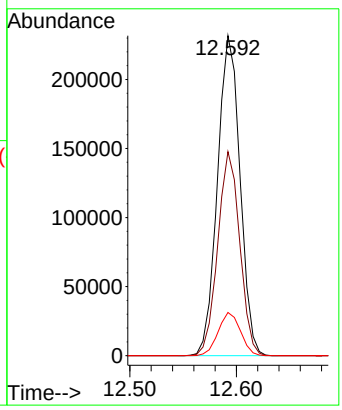


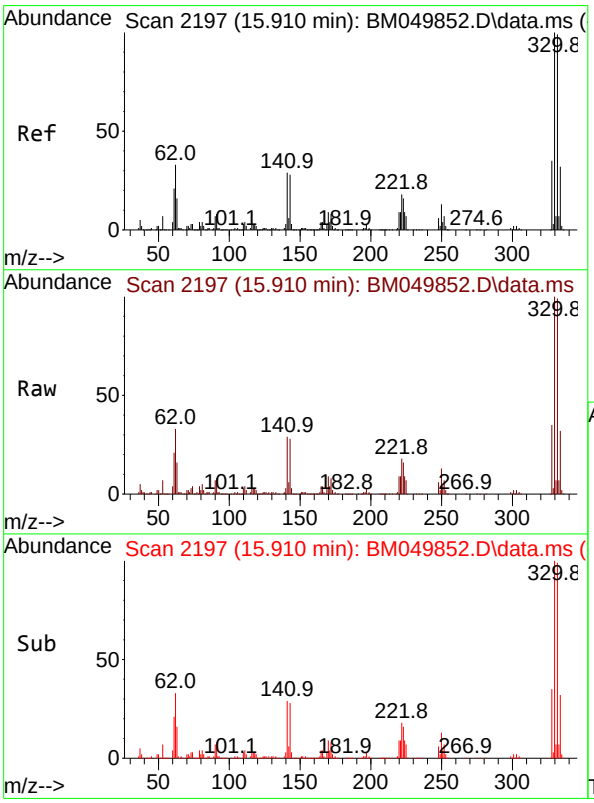
#41
Hexachlorocyclopentadiene
Concen: 43.036 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 340037

Ion	Ratio	Lower	Upper
237	100		
235	63.7	43.7	83.7
272	13.5	0.0	33.5

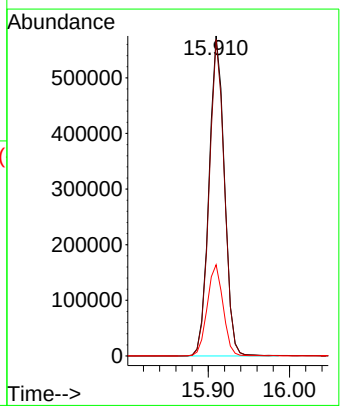


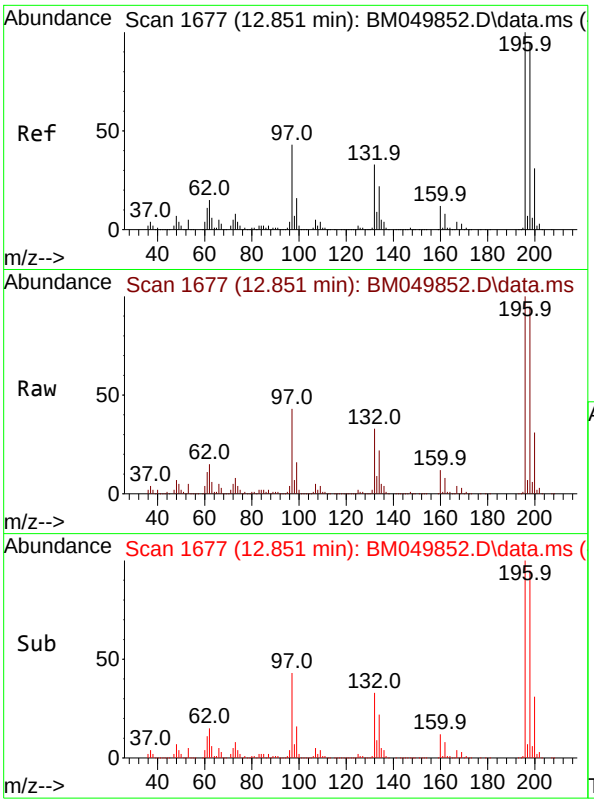


#42
2,4,6-Tribromophenol
Concen: 80.755 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:330 Resp: 757084

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	29.4	23.5	35.3



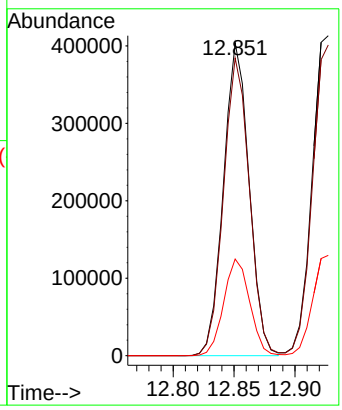


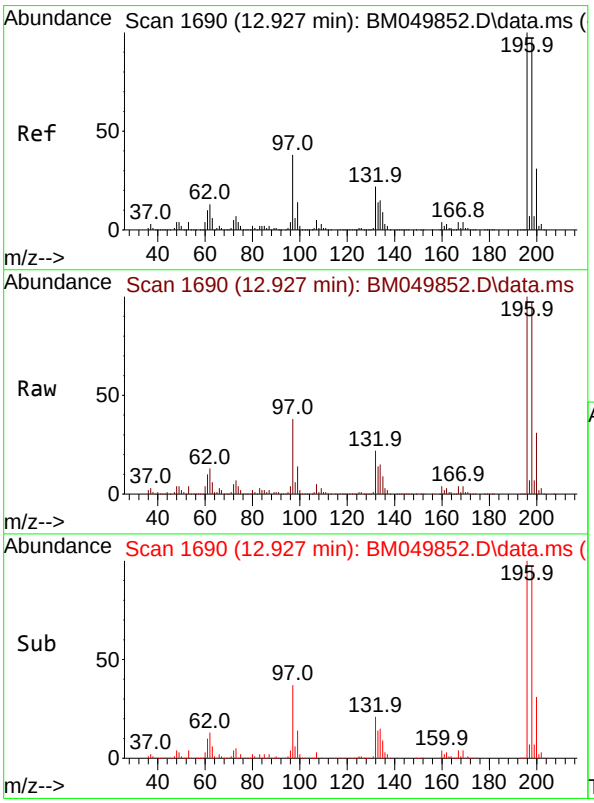
#43
2,4,6-Trichlorophenol
Concen: 41.269 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 592155

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
200	30.9	24.7	37.1

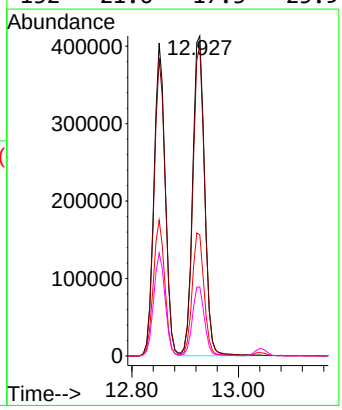


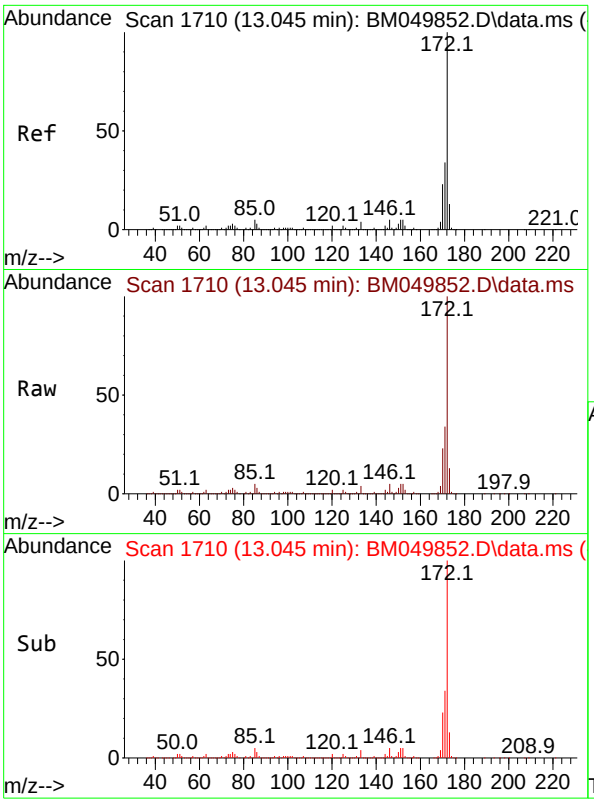


#44
2,4,5-Trichlorophenol
Concen: 41.373 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:196 Resp: 645125

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.7	116.5
97	37.9	30.3	45.5
132	21.6	17.3	25.9



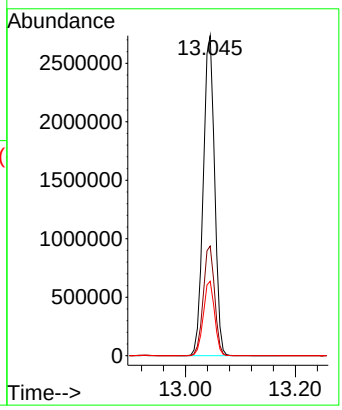


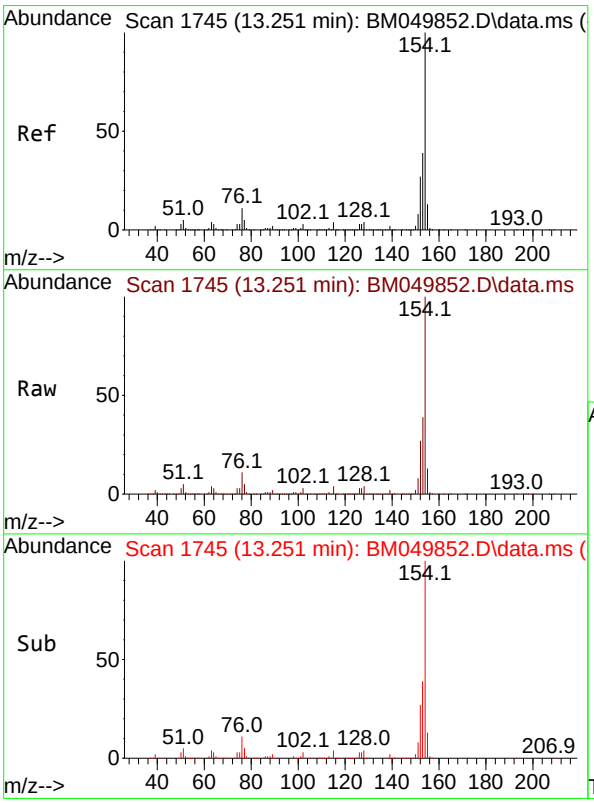
#45
2-Fluorobiphenyl
Concen: 82.162 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3905323

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.2
170	23.3	18.6	28.0

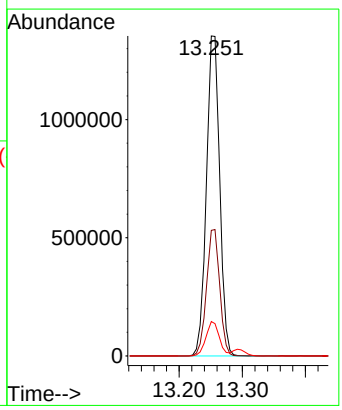


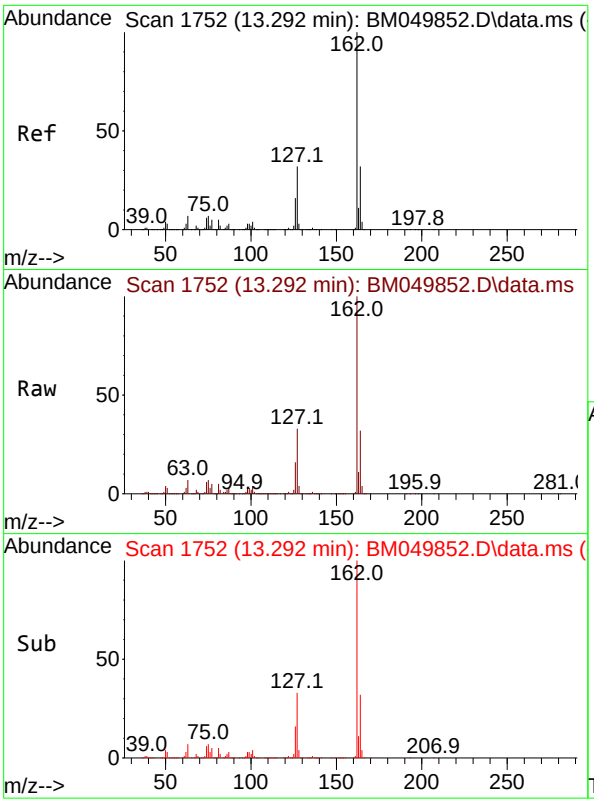


#46
1,1'-Biphenyl
Concen: 41.114 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:154 Resp: 1969872

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.3	59.3
76	10.7	0.0	30.7



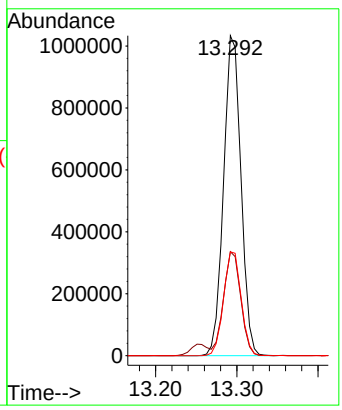


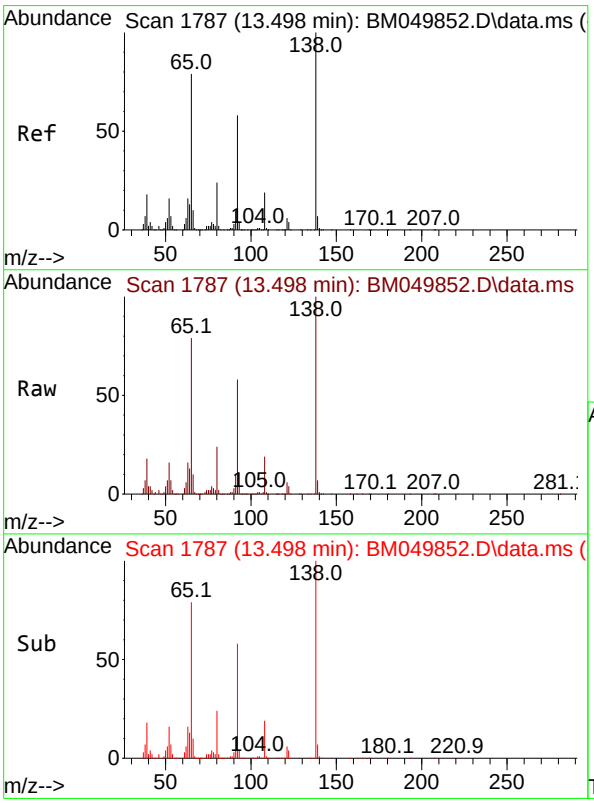
#47
2-Chloronaphthalene
Concen: 40.860 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1538747

Ion	Ratio	Lower	Upper
162	100		
127	32.5	26.0	39.0
164	32.4	25.9	38.9

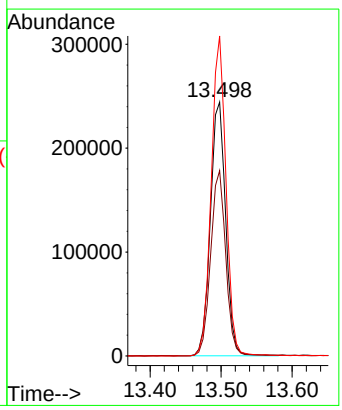


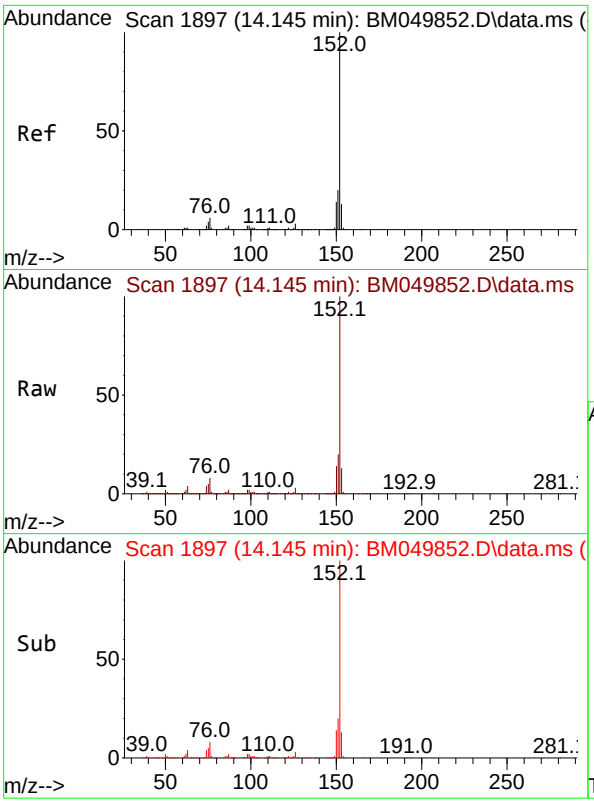


#48
2-Nitroaniline
Concen: 41.941 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 65 Resp: 365393

Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.4	87.6
138	126.0	100.8	151.2



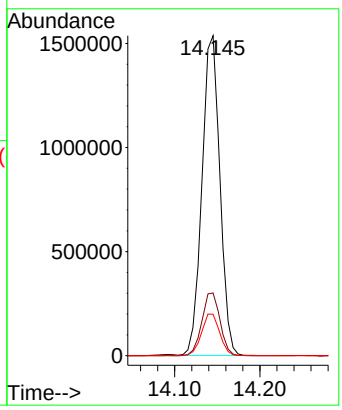


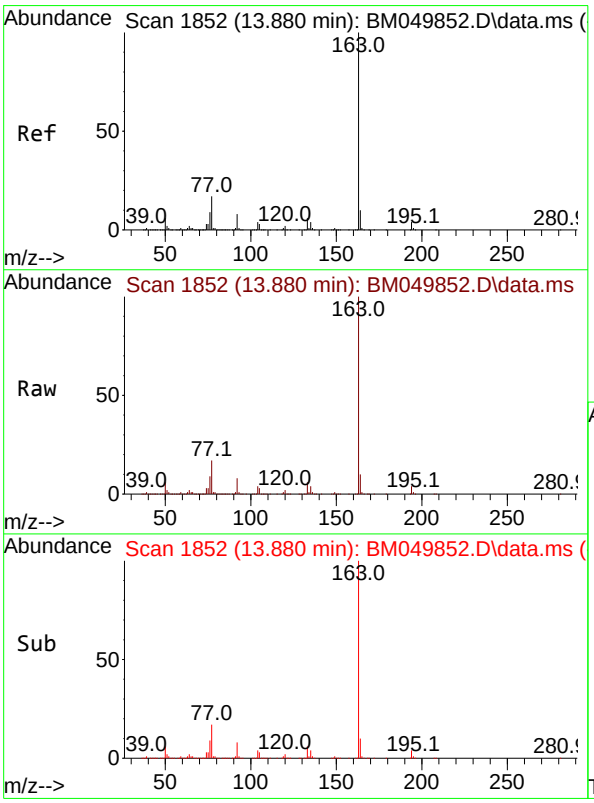
#49
Acenaphthylene
Concen: 40.937 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2245605

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.4	15.6

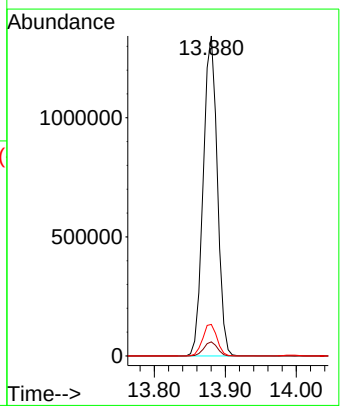


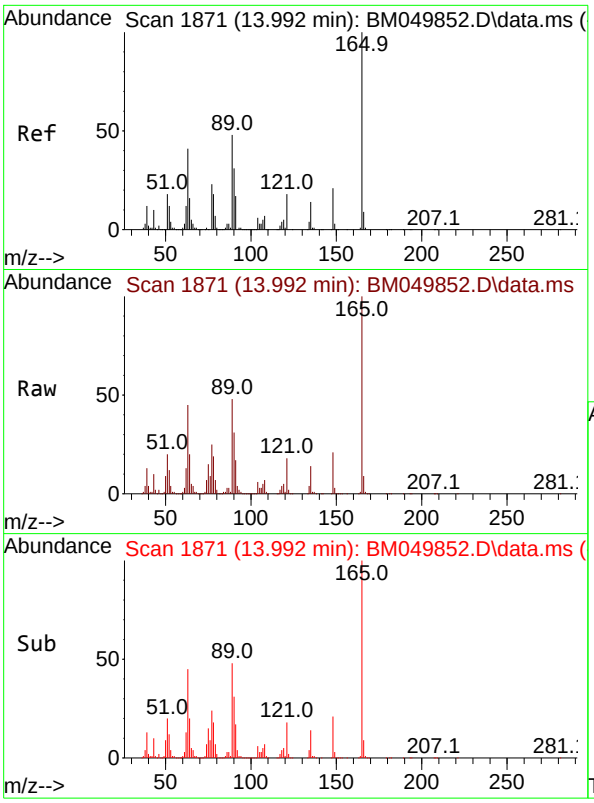


#50
Dimethylphthalate
Concen: 40.771 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:163 Resp: 1853920

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.9	7.9	11.9



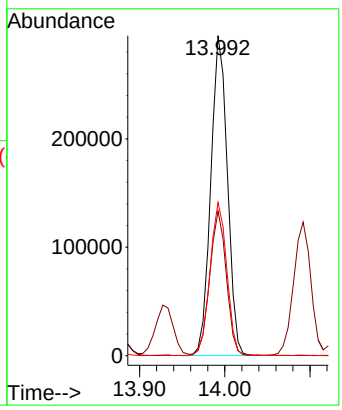


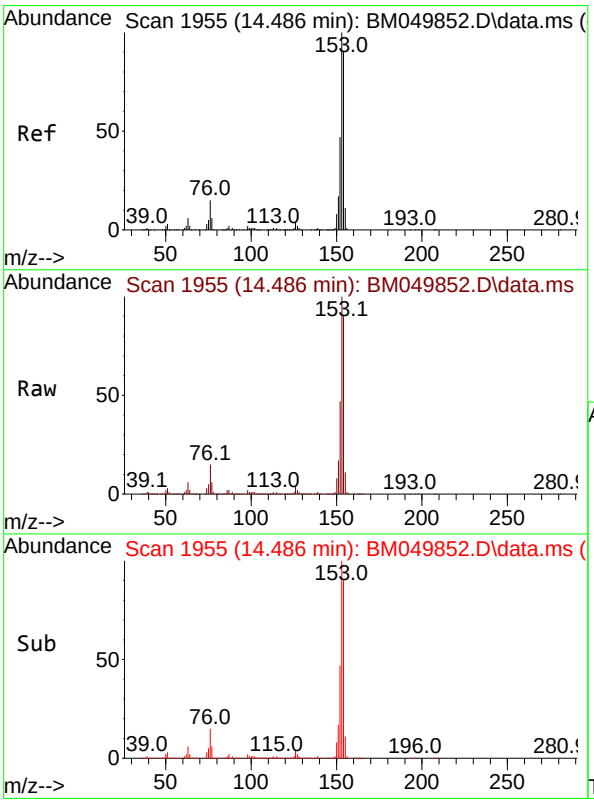
#51
2,6-Dinitrotoluene
Concen: 41.998 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 400110

Ion	Ratio	Lower	Upper
165	100		
63	45.1	36.1	54.1
89	47.9	38.3	57.5

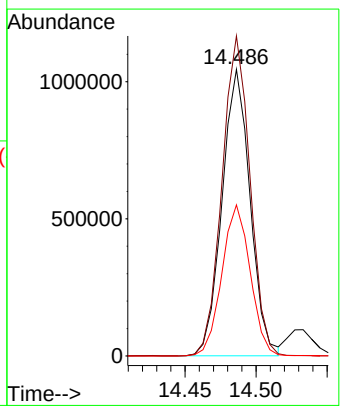


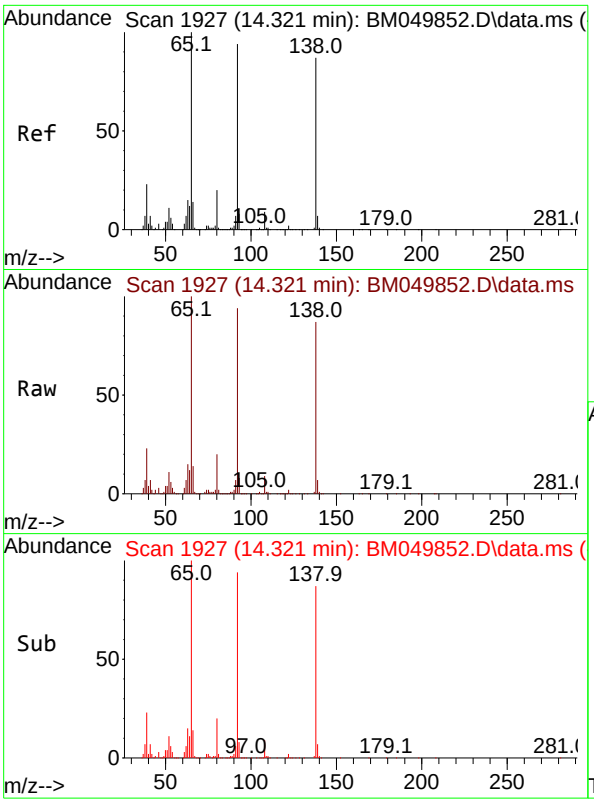


#52
Acenaphthene
Concen: 41.123 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:154 Resp: 1434901

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.3	133.9
152	52.7	42.2	63.2



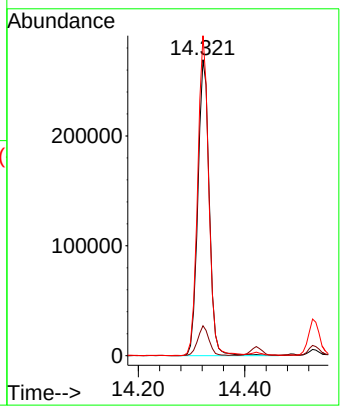


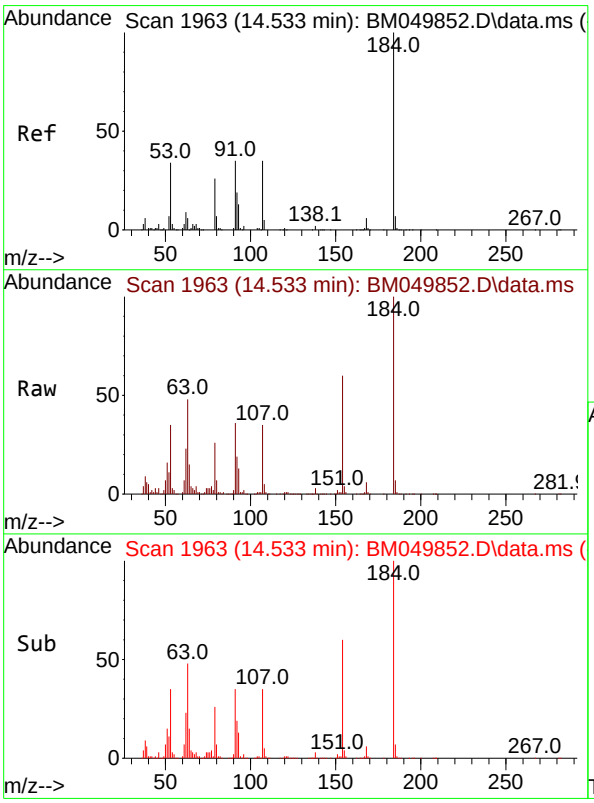
#53
3-Nitroaniline
Concen: 43.352 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 399172

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	108.1	86.5	129.7

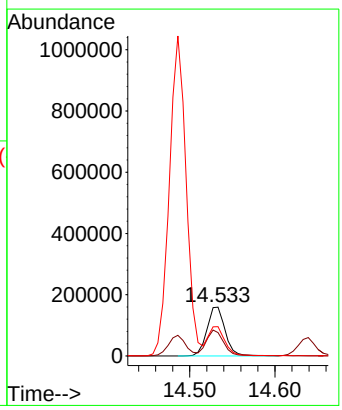


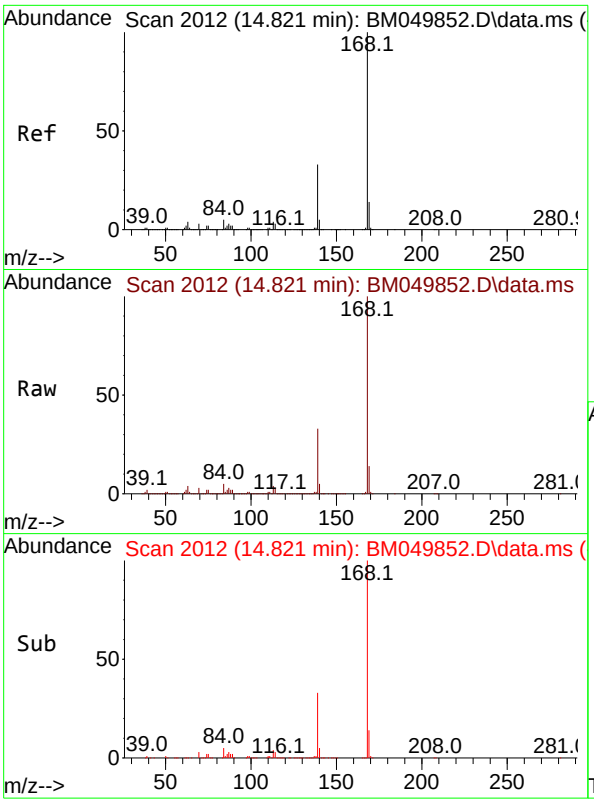


#54
2,4-Dinitrophenol
Concen: 38.463 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:184 Resp: 236910

Ion	Ratio	Lower	Upper
184	100		
63	48.0	38.4	57.6
154	60.1	48.1	72.1



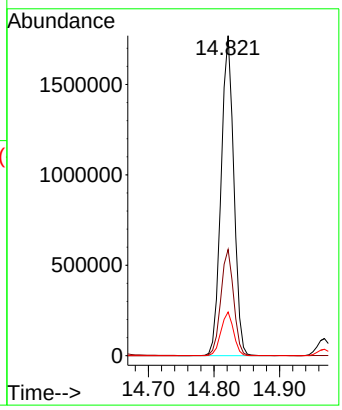


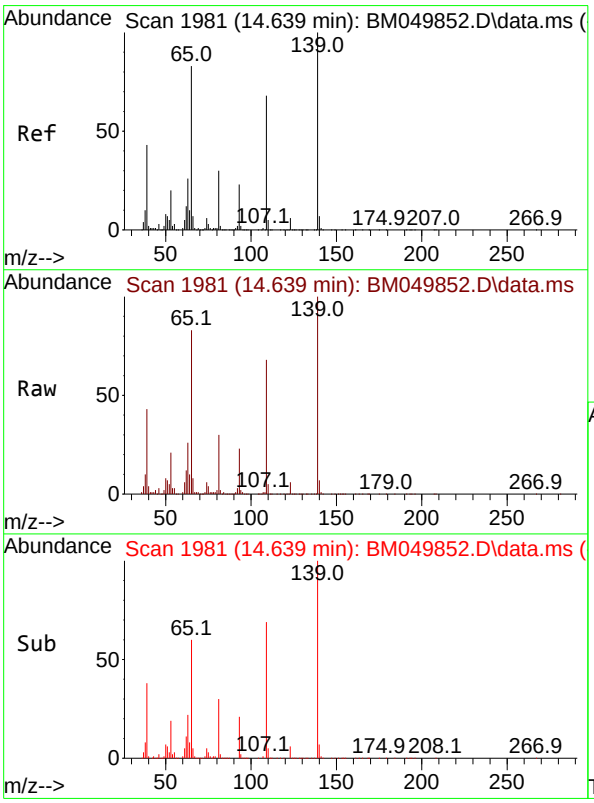
#55
Dibenzofuran
Concen: 40.784 ng
RT: 14.821 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2378962

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.6	39.8
169	13.7	11.0	16.4

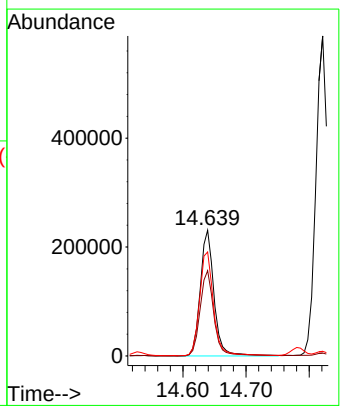


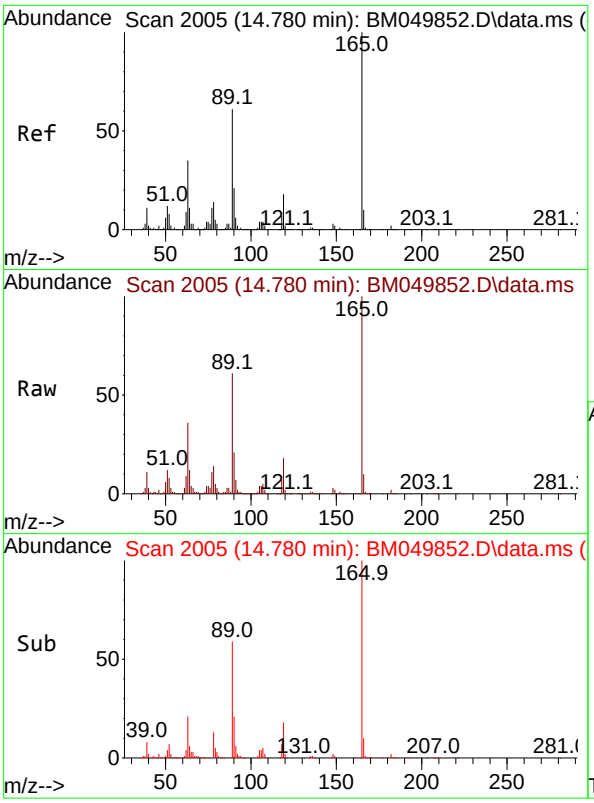


#56
4-Nitrophenol
Concen: 42.490 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:139 Resp: 348645

Ion	Ratio	Lower	Upper
139	100		
109	67.9	47.9	87.9
65	82.7	62.7	102.7



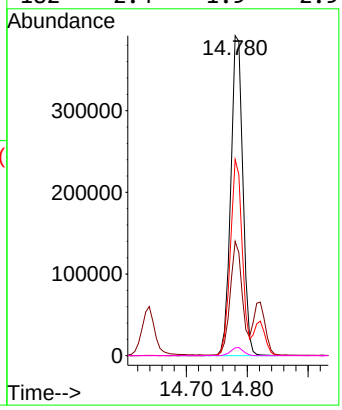


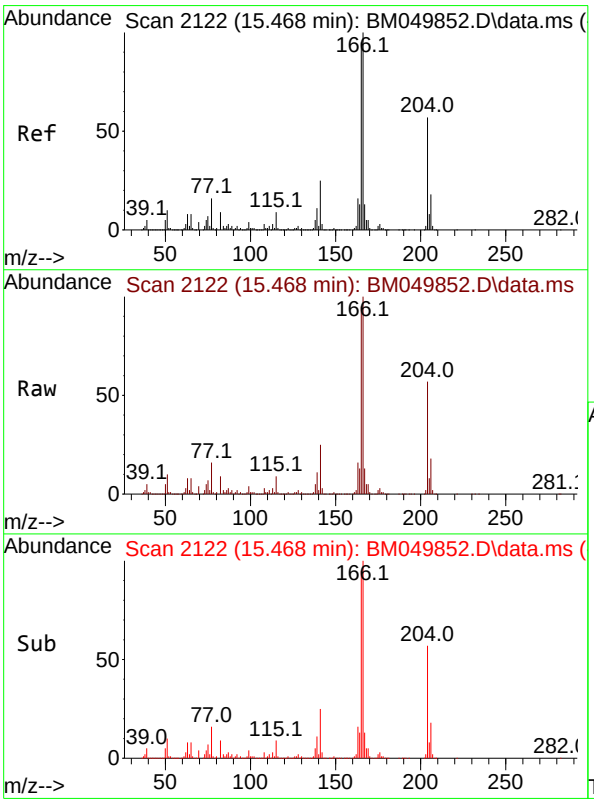
#57
2,4-Dinitrotoluene
Concen: 42.662 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 542212

Ion	Ratio	Lower	Upper
165	100		
63	35.7	28.6	42.8
89	61.3	49.0	73.6
182	2.4	1.9	2.9

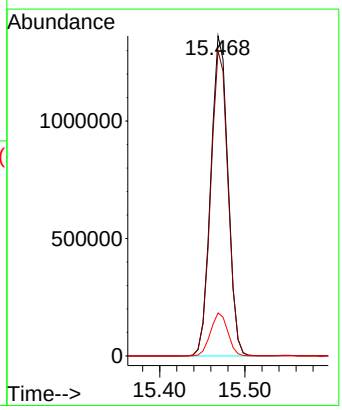


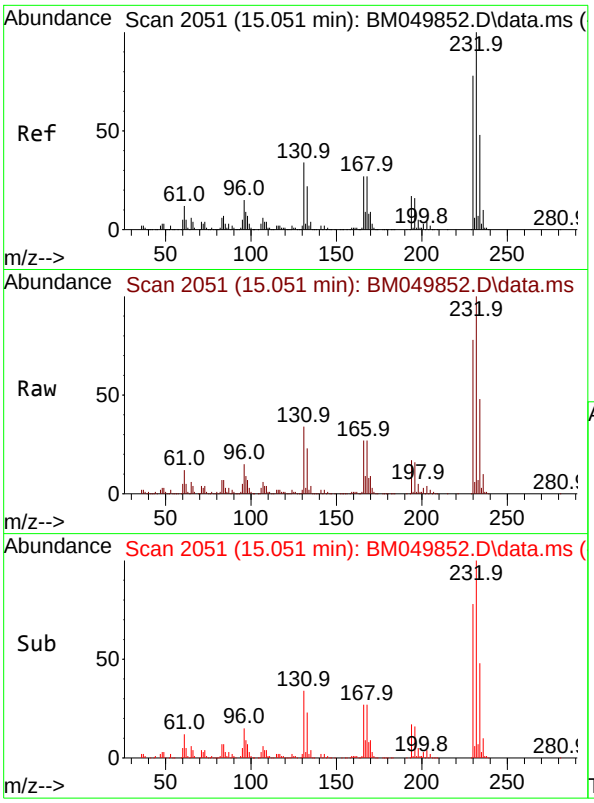


#58
Fluorene
Concen: 41.170 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:166 Resp: 1908871

Ion	Ratio	Lower	Upper
166	100		
165	95.4	76.3	114.5
167	13.4	10.7	16.1



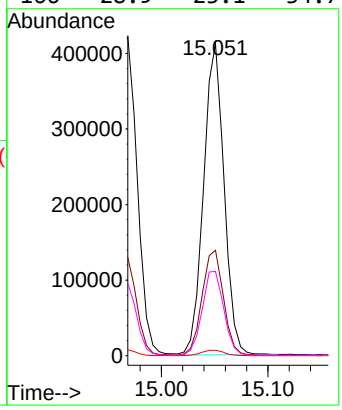


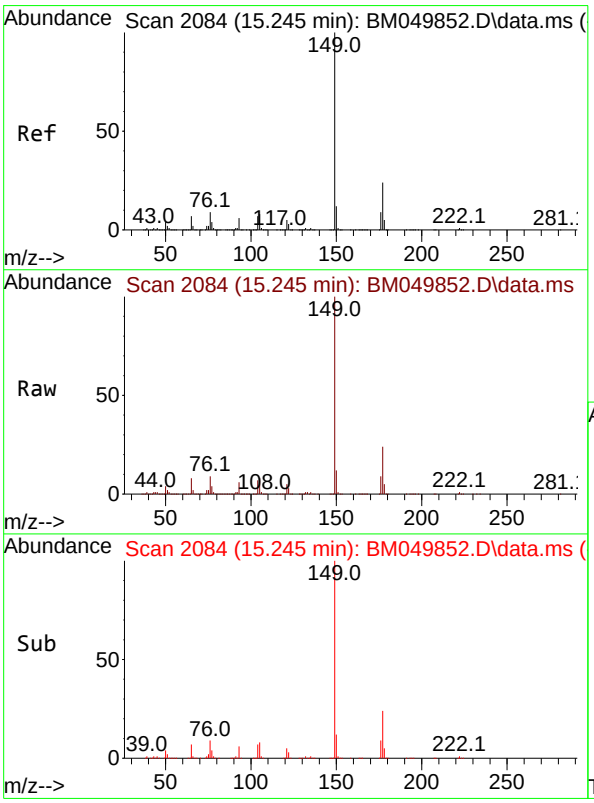
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.287 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 550595

Ion	Ratio	Lower	Upper
232	100		
131	35.5	28.4	42.6
130	2.0	1.6	2.4
166	28.9	23.1	34.7

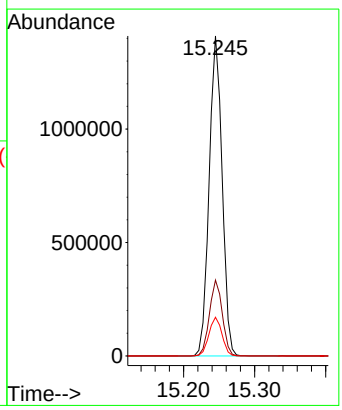


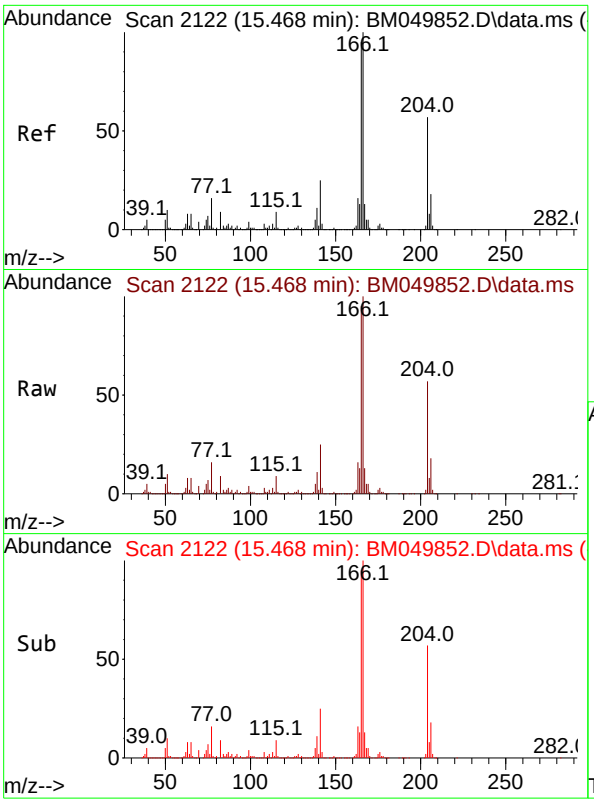


#60
Diethylphthalate
Concen: 41.085 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 1791575

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.0	28.4
150	12.1	9.7	14.5



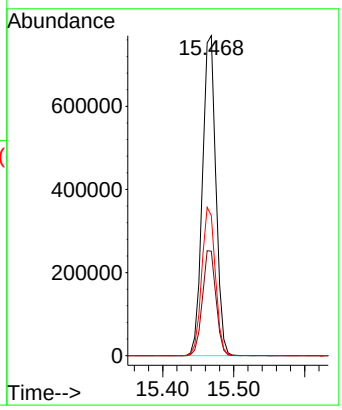


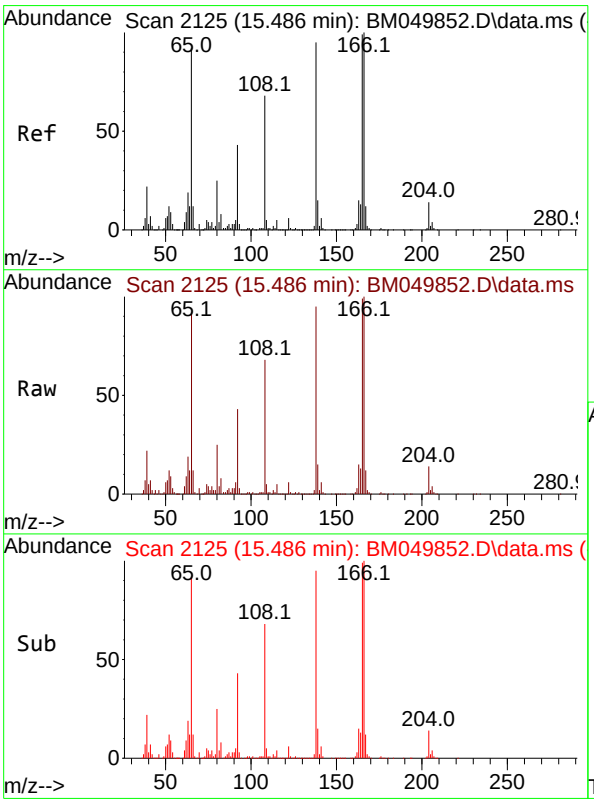
#61
4-Chlorophenyl-phenylether
Concen: 40.907 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1016885

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	43.8	35.0	52.6

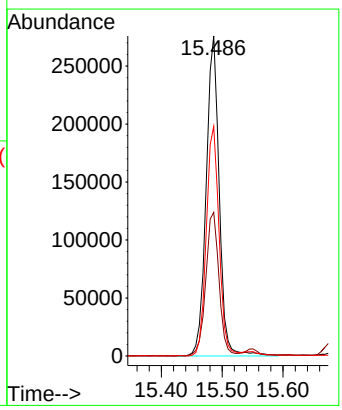


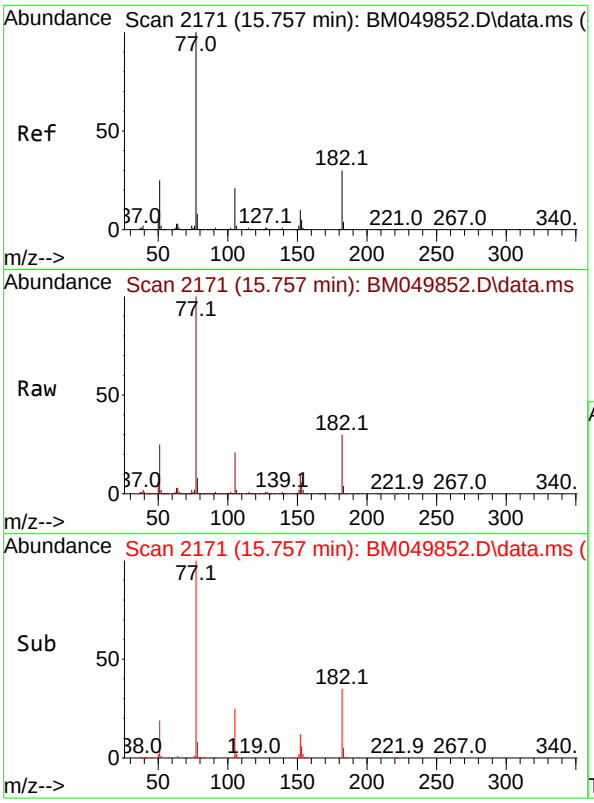


#62
4-Nitroaniline
Concen: 43.263 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:138 Resp: 411956

Ion	Ratio	Lower	Upper
138	100		
92	44.9	24.9	64.9
108	71.7	51.7	91.7



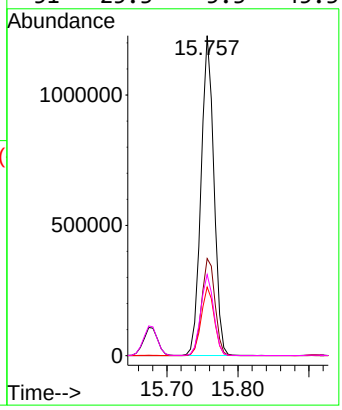


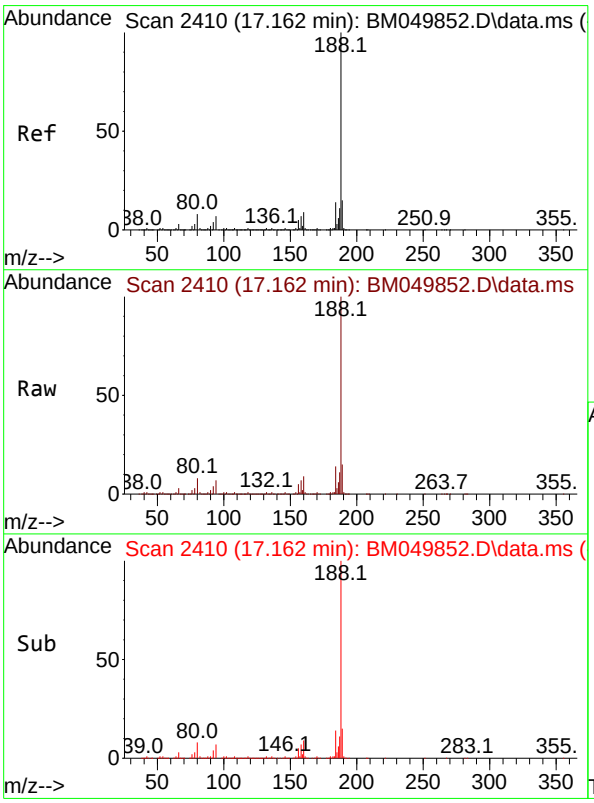
#63
Azobenzene
Concen: 41.517 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1549968

Ion	Ratio	Lower	Upper
77	100		
182	30.4	10.4	50.4
105	21.5	1.5	41.5
51	25.3	5.3	45.3

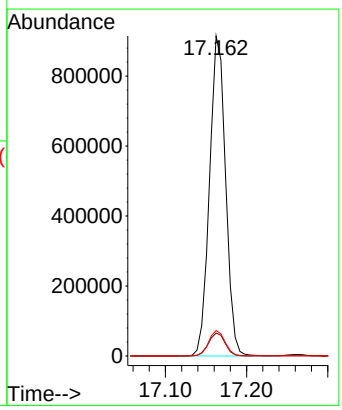


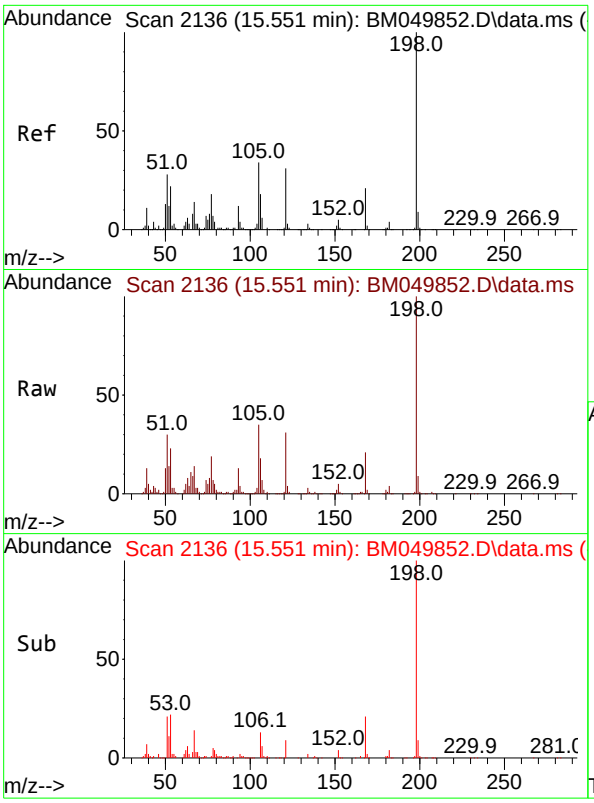


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:188 Resp: 1259832

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.4	9.6



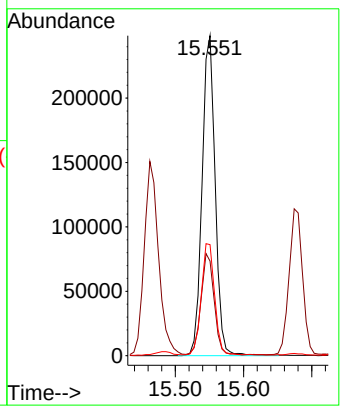


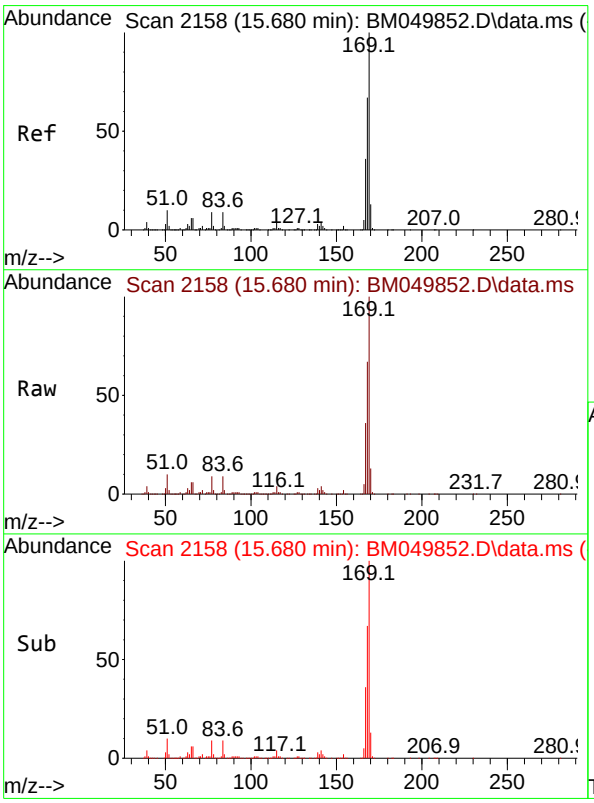
#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 332394

Ion	Ratio	Lower	Upper
198	100		
51	29.6	9.6	49.6
105	34.7	14.7	54.7

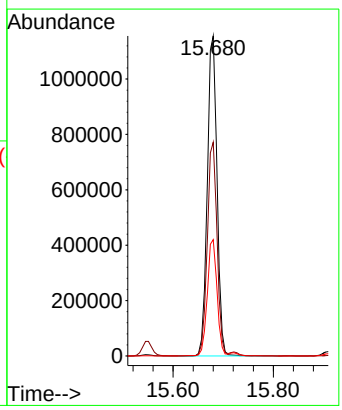


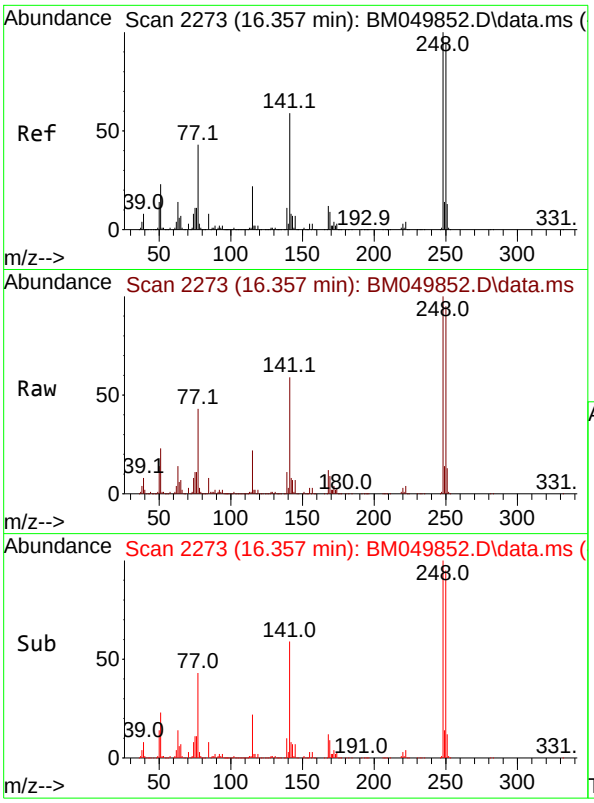


#66
n-Nitrosodiphenylamine
Concen: 41.387 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:169 Resp: 1560374

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.3	29.0	43.6



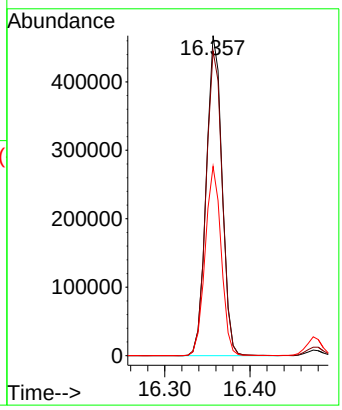


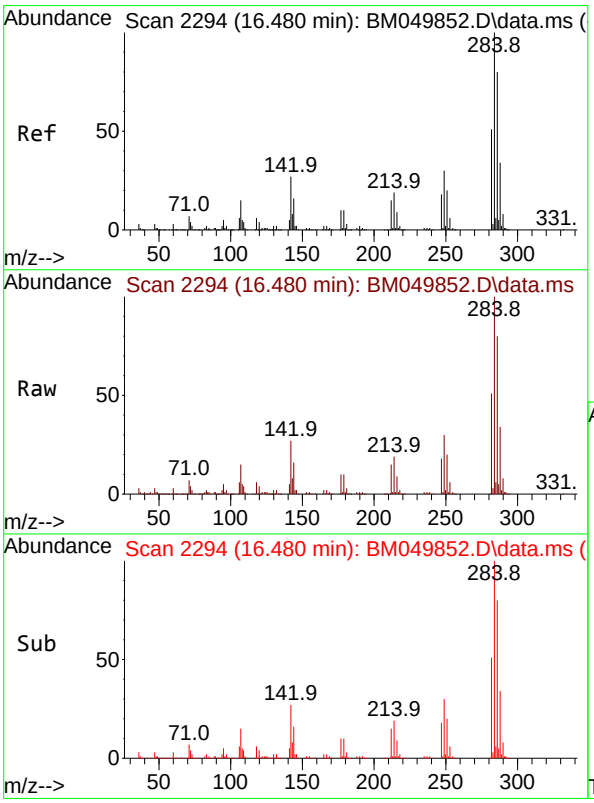
#67
4-Bromophenyl-phenylether
Concen: 41.113 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 601282

Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.2	114.2
141	59.1	47.3	70.9

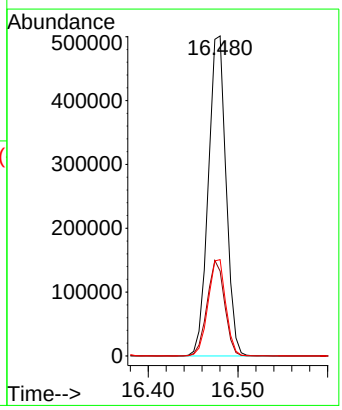


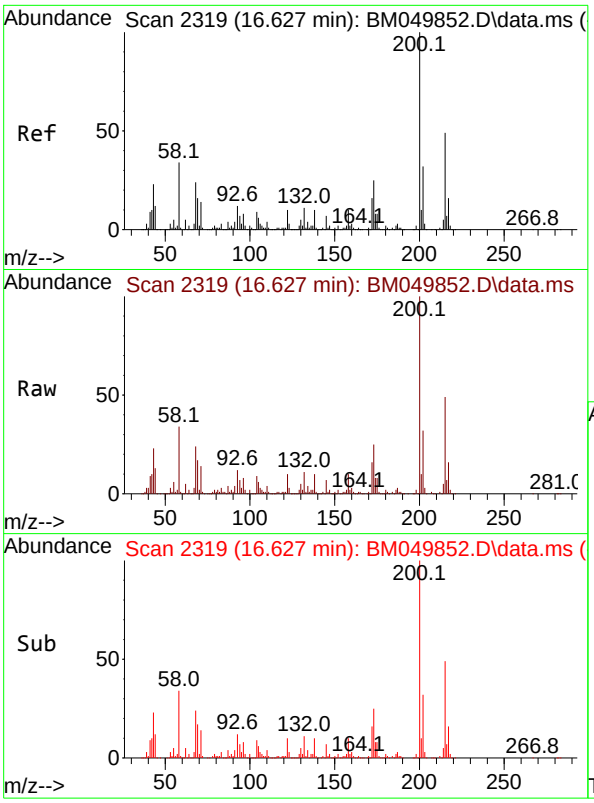


#68
Hexachlorobenzene
Concen: 40.933 ng
RT: 16.480 min Scan# 2294
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:284 Resp: 686665

Ion	Ratio	Lower	Upper
284	100		
142	26.5	21.2	31.8
249	30.1	24.1	36.1



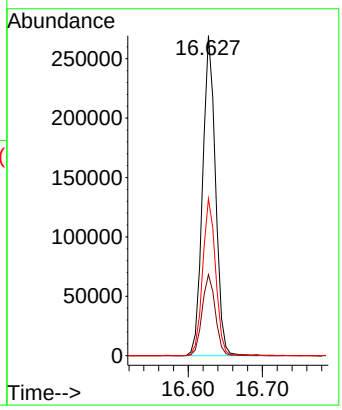


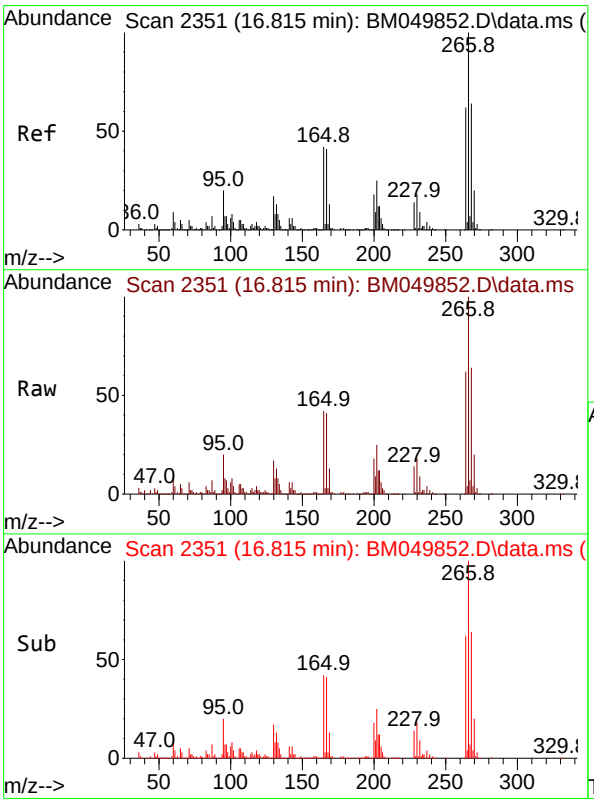
#69
Atrazine
Concen: 33.411 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 326609

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	49.0	29.0	69.0

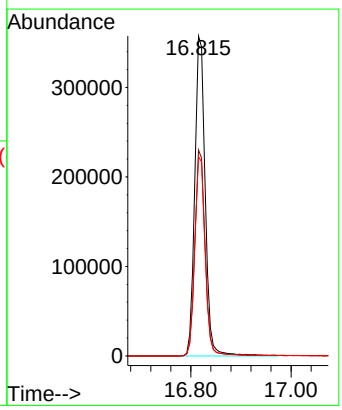


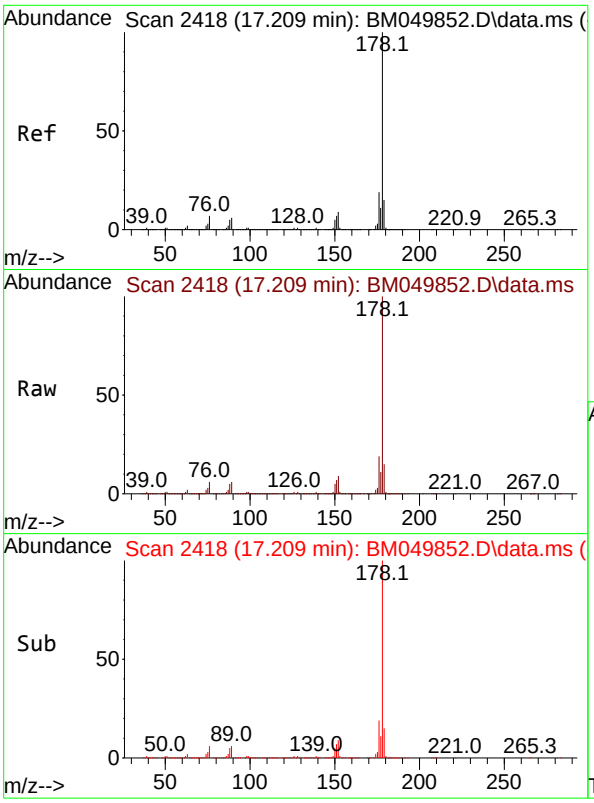


#70
Pentachlorophenol
Concen: 41.678 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:266 Resp: 514744

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.4	77.2
264	62.3	49.8	74.8



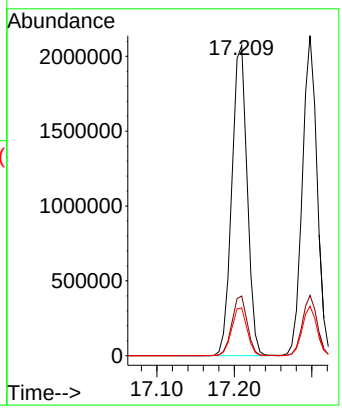


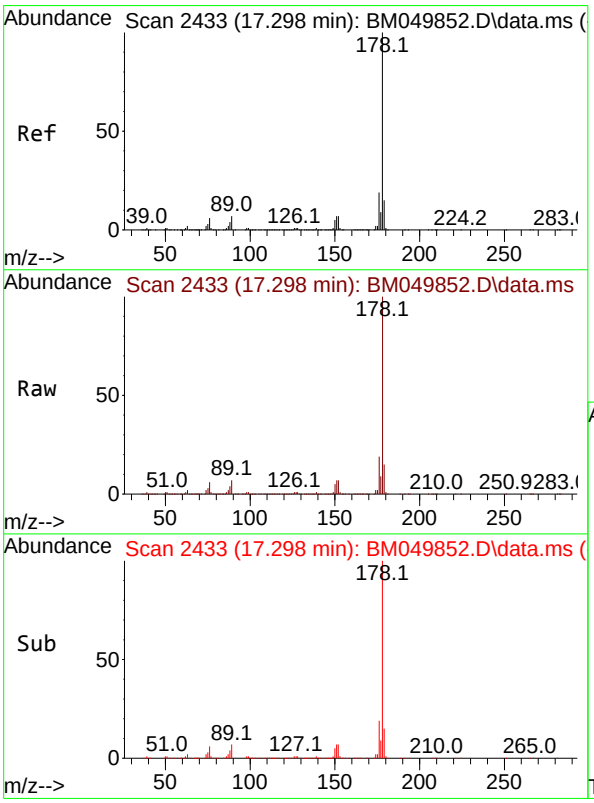
#71
Phenanthrene
Concen: 41.324 ng
RT: 17.209 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2854182

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.3	18.5

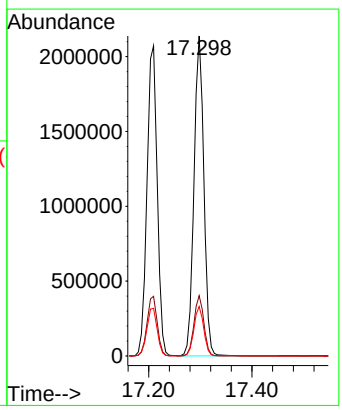


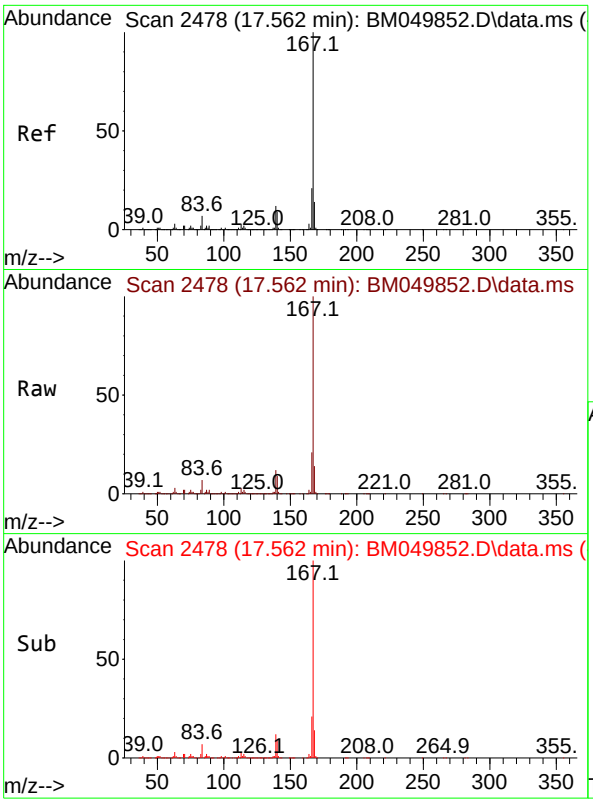


#72
Anthracene
Concen: 41.631 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:178 Resp: 2833652

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.5	12.4	18.6



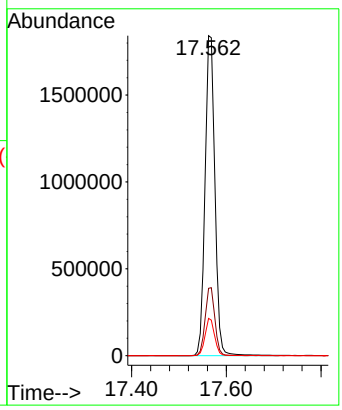


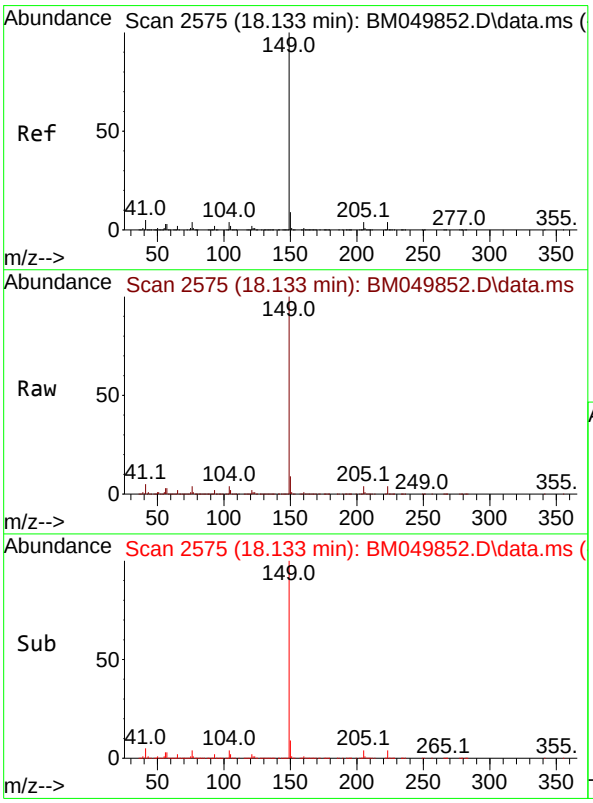
#73
Carbazole
Concen: 41.609 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2667570

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.6	9.3	13.9

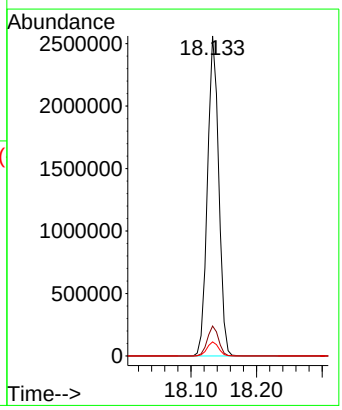


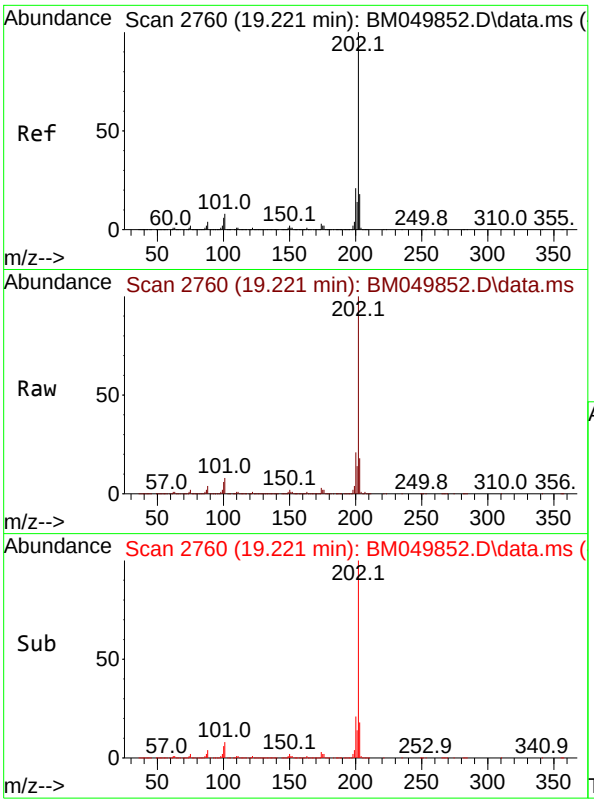


#74
Di-n-butylphthalate
Concen: 41.476 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 3062695

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.4	3.5	5.3



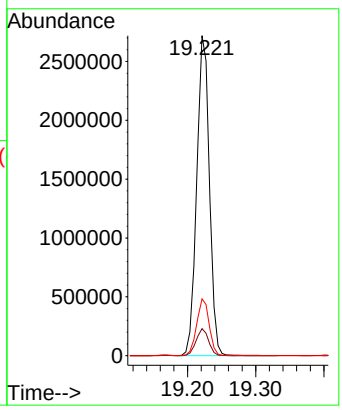


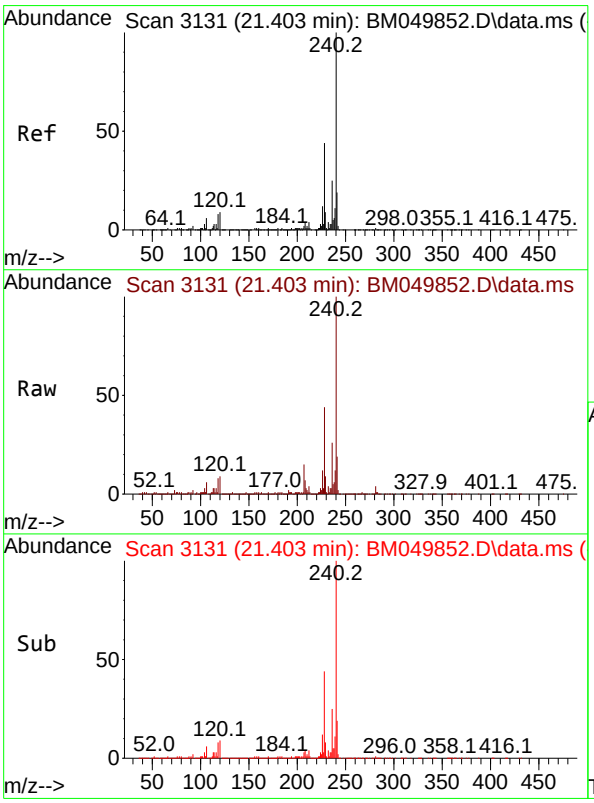
#75
Fluoranthene
Concen: 41.165 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3495877

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	17.8	0.0	37.8

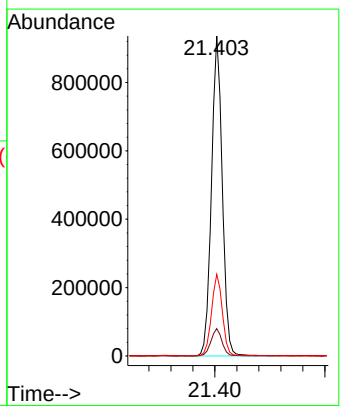


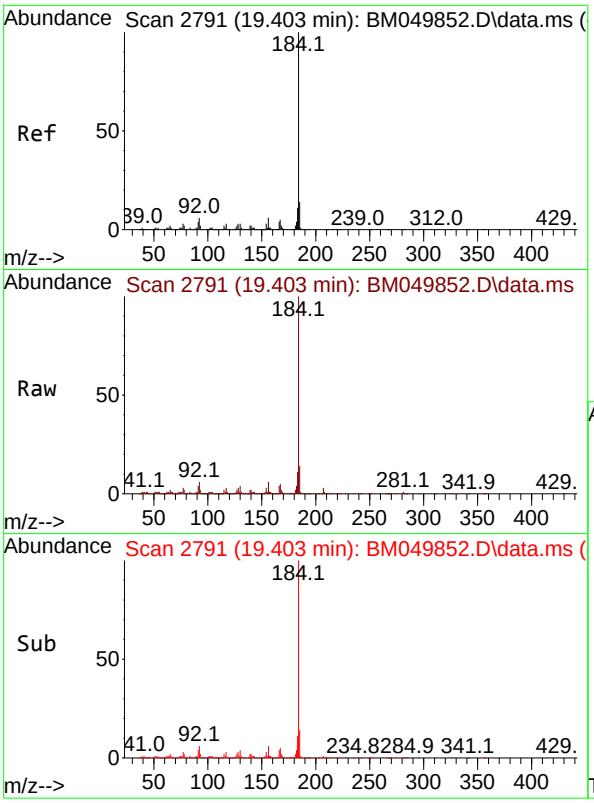


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:240 Resp: 1277117

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.5	20.4	30.6



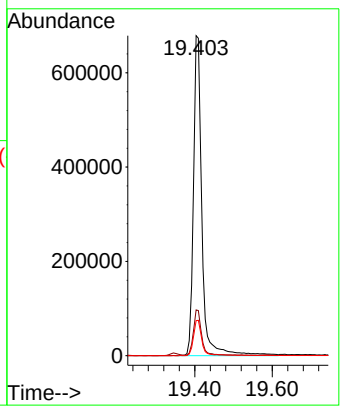


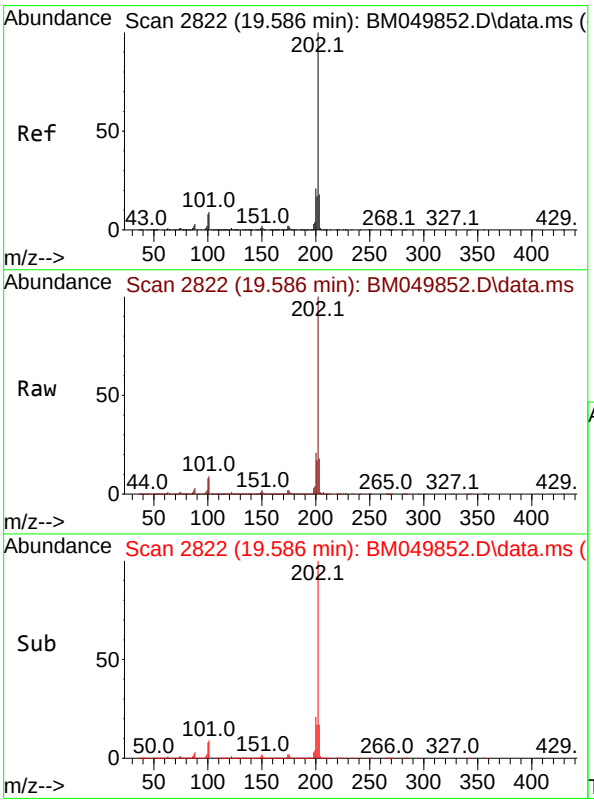
#77
Benzidine
Concen: 60.691 ng
RT: 19.403 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1028267

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.0	8.8	13.2

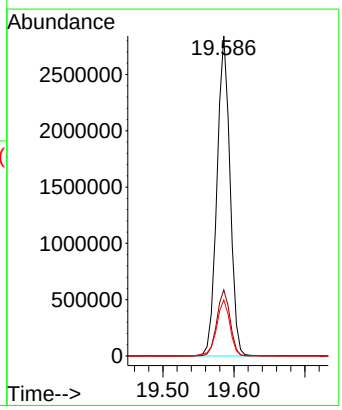


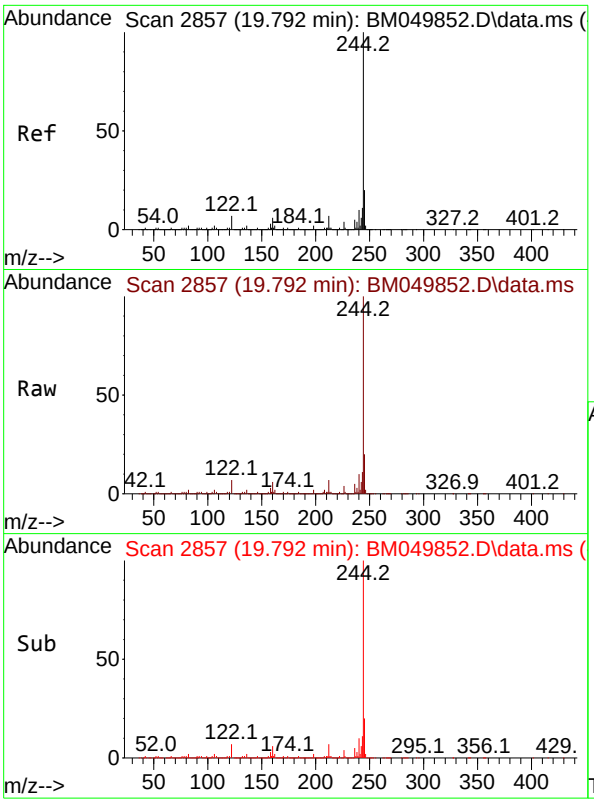


#78
Pyrene
Concen: 40.863 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:202 Resp: 3596605

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.5	14.0	21.0



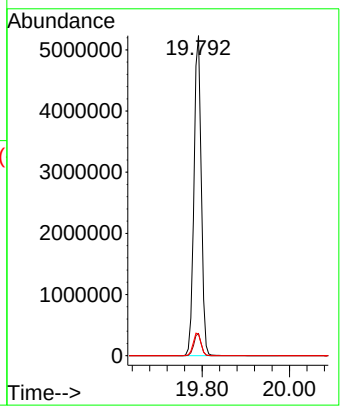


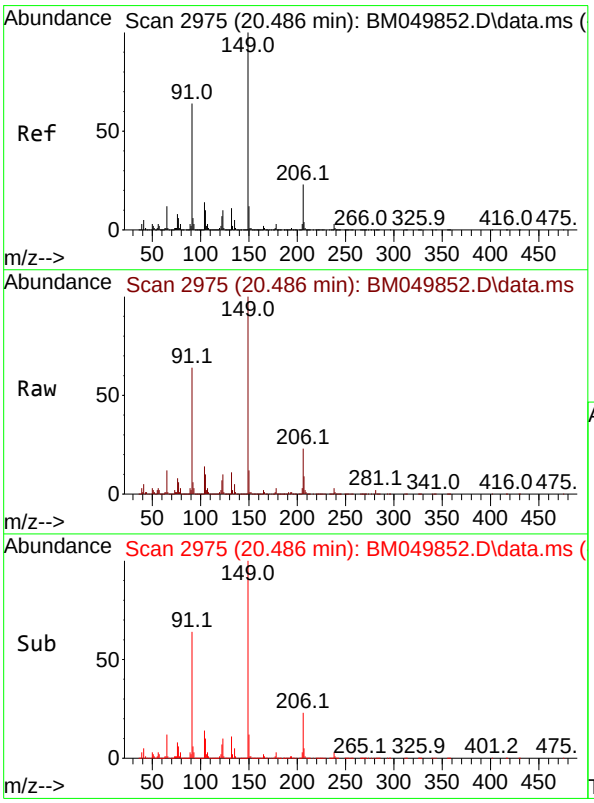
#79
Terphenyl-d14
Concen: 88.947 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6061535

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	6.7	5.4	8.0

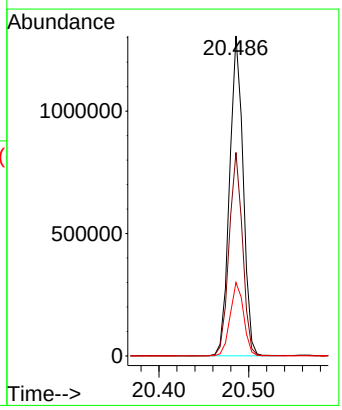


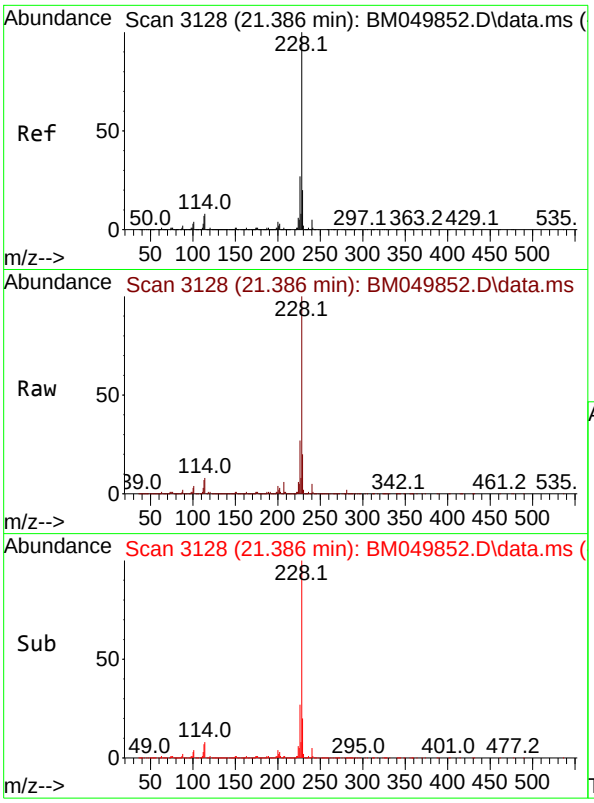


#80
Butylbenzylphthalate
Concen: 41.392 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 1368958

Ion	Ratio	Lower	Upper
149	100		
91	63.6	50.9	76.3
206	23.0	18.4	27.6



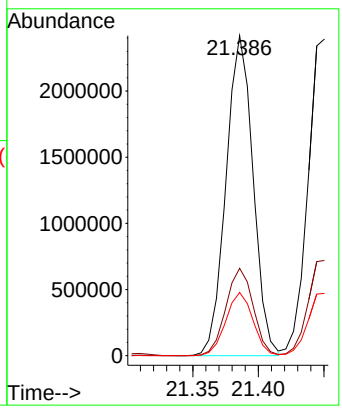


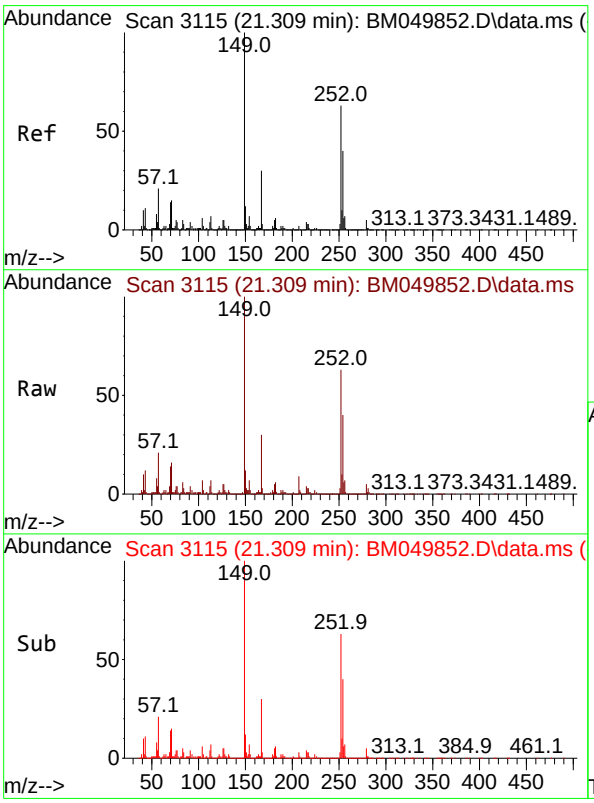
#81
Benzo(a)anthracene
Concen: 40.979 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3478165

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.8	15.8	23.8

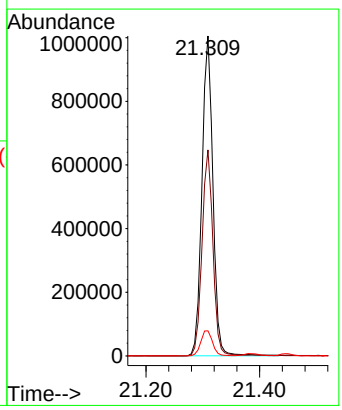


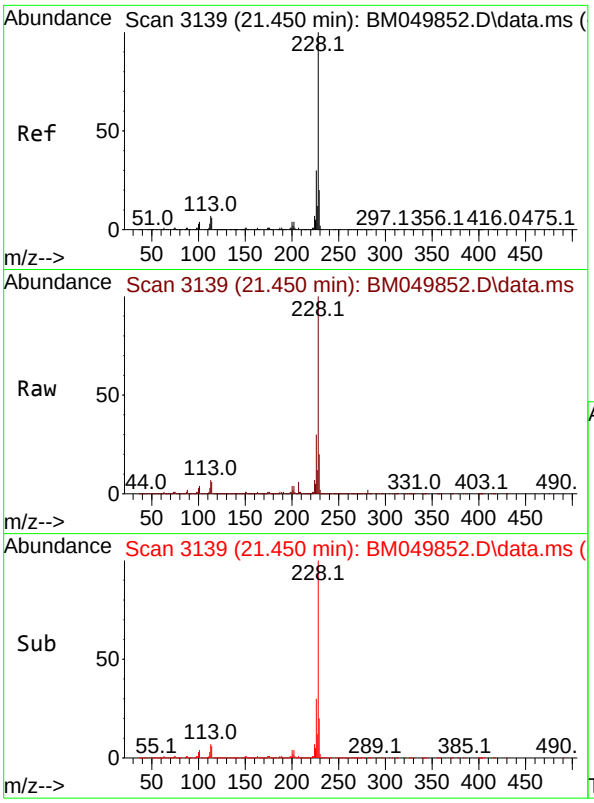


#82
3,3'-Dichlorobenzidine
Concen: 41.880 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 1342391

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	7.9	6.3	9.5



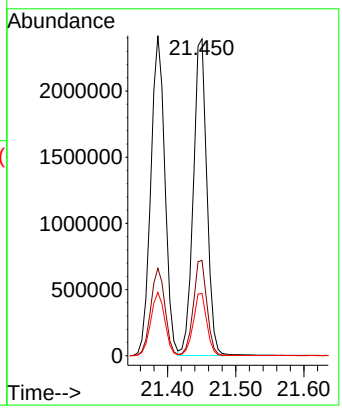


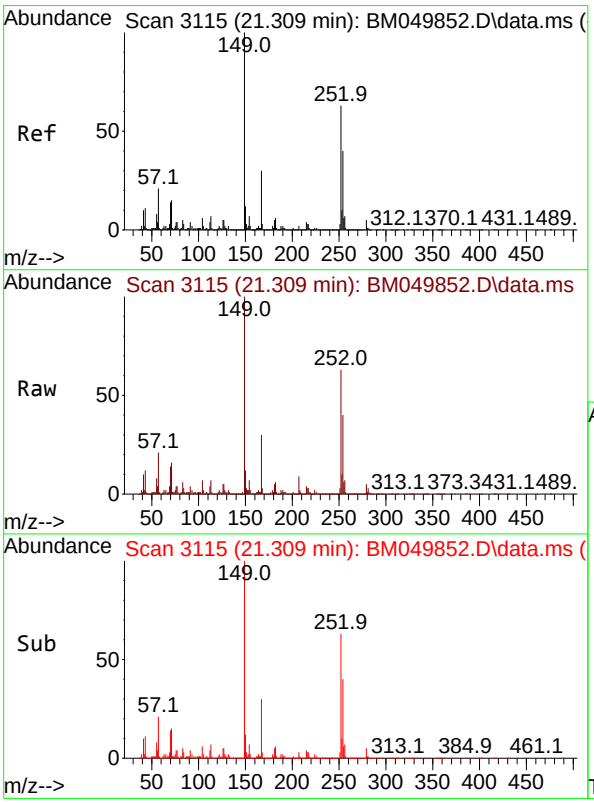
#83
Chrysene
Concen: 40.890 ng
RT: 21.450 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3299571

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	15.8	23.6

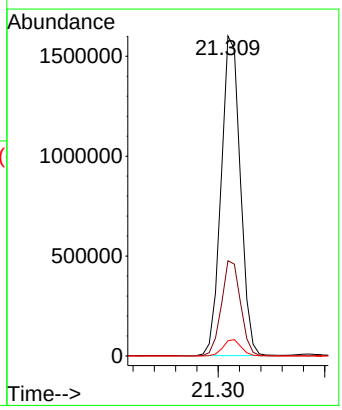


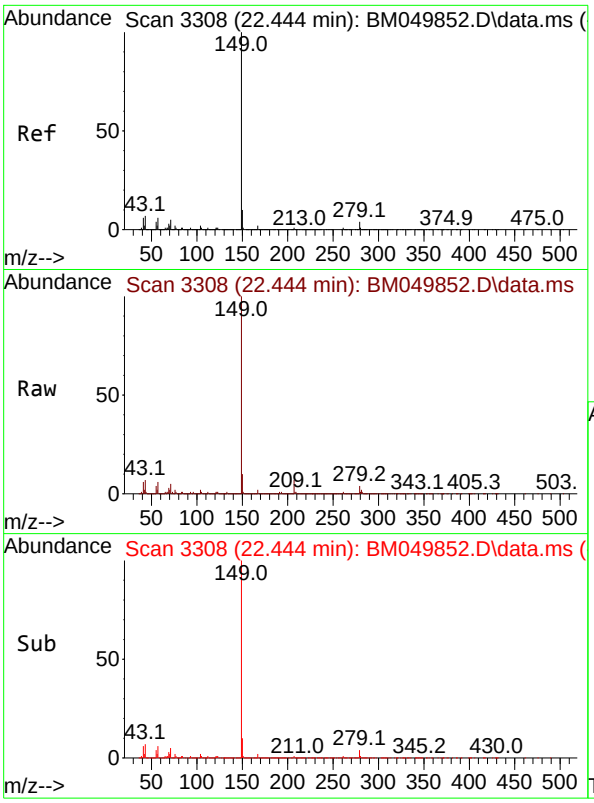


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.512 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 2000260

Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.6
279	4.8	3.8	5.8



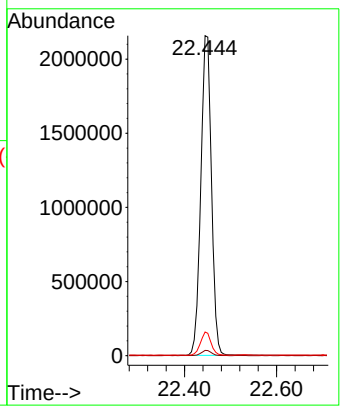


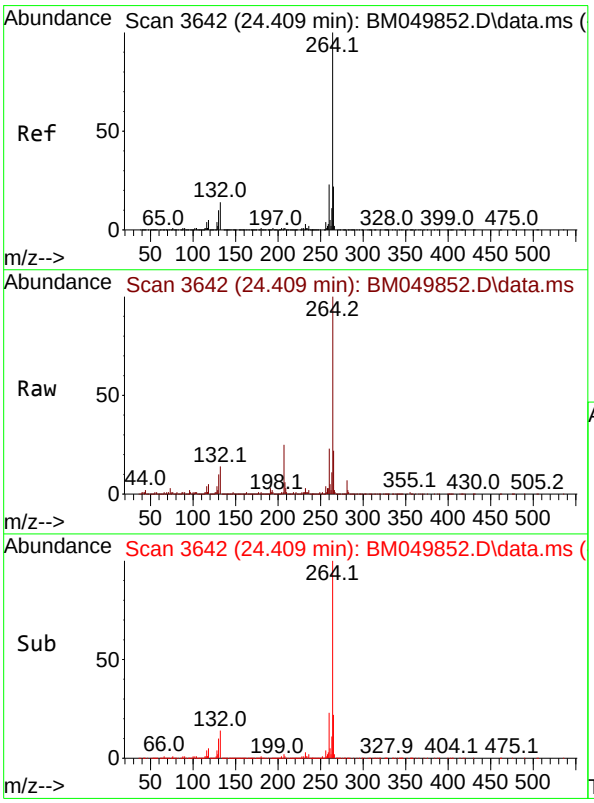
#85
Di-n-octyl phthalate
Concen: 41.276 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3479444

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.6

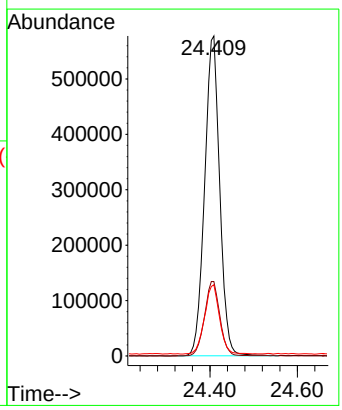


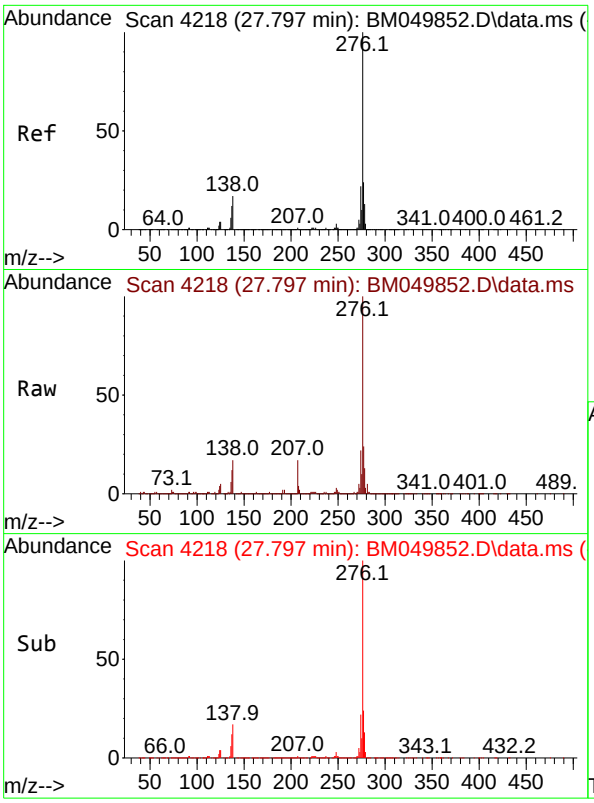


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:264 Resp: 1383369

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.3	17.8	26.8



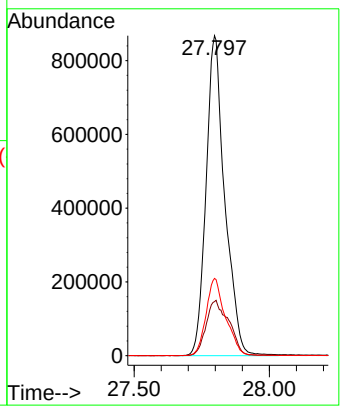


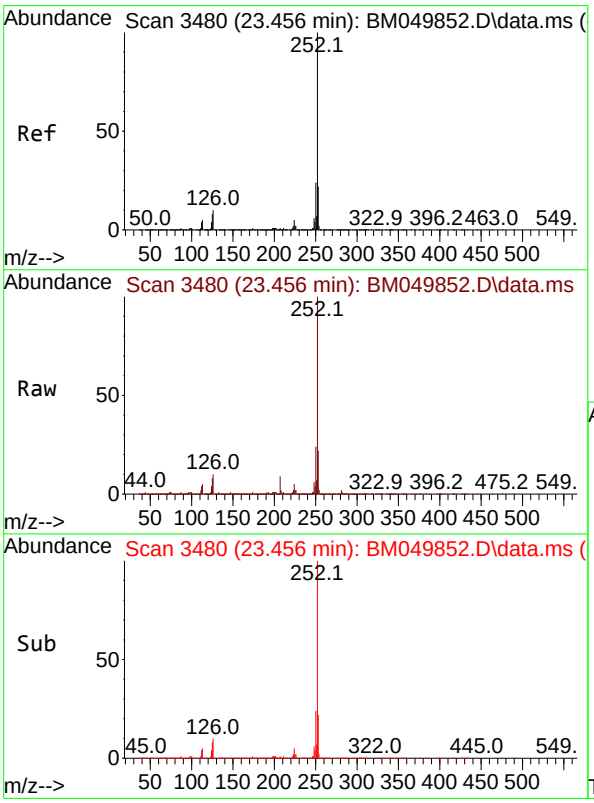
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.421 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4168171

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.8	25.2
277	25.1	20.1	30.1

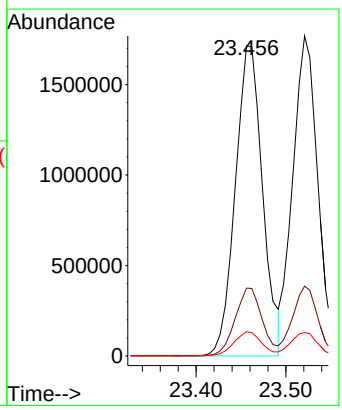


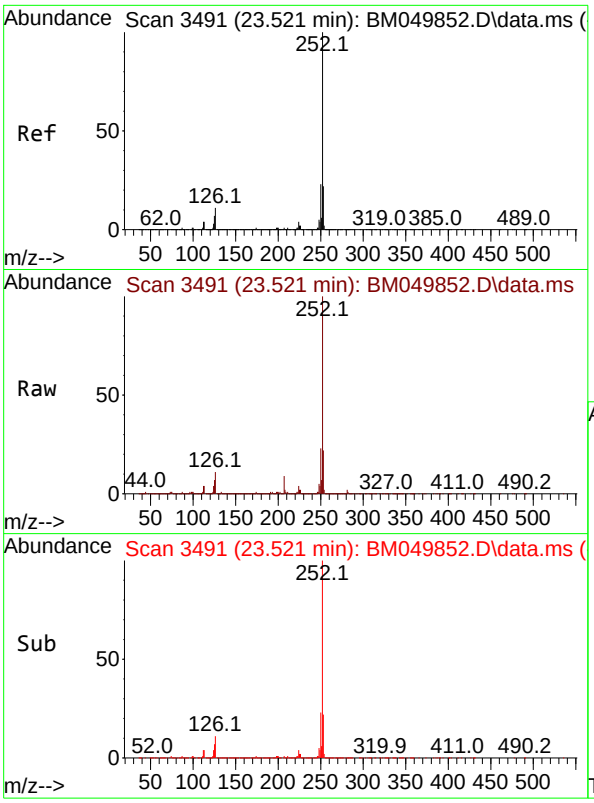


#88
Benzo(b)fluoranthene
Concen: 40.968 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 3619584

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	7.8	6.2	9.4



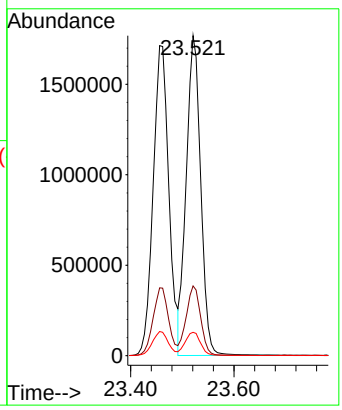


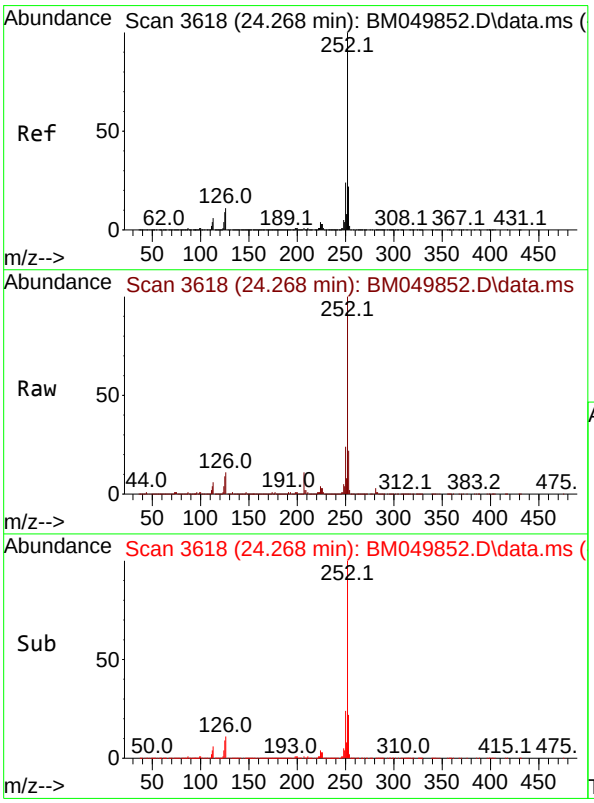
#89
Benzo(k)fluoranthene
Concen: 40.138 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3436549

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

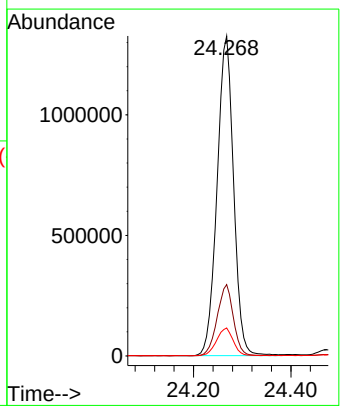


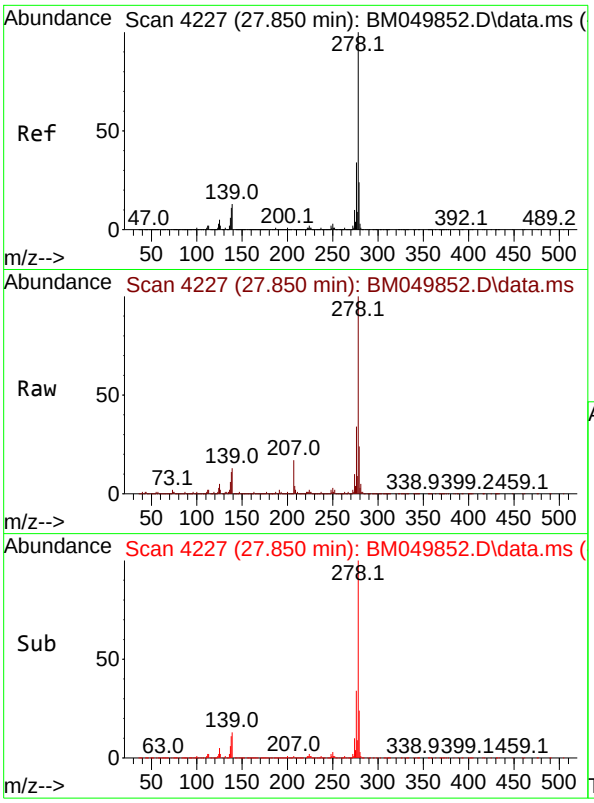


#90
Benzo(a)pyrene
Concen: 40.278 ng
RT: 24.268 min Scan# 3618
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 3127065

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.7	7.0	10.4



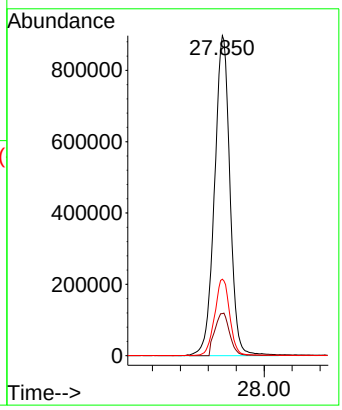


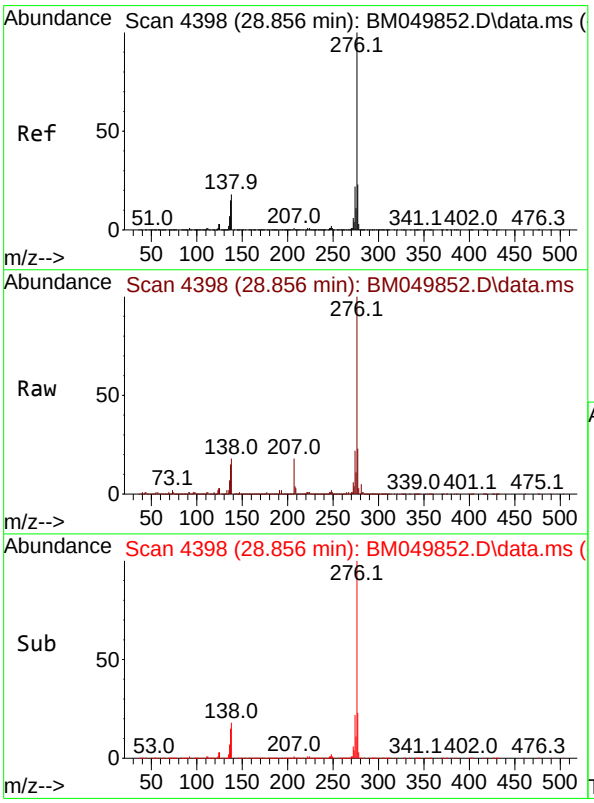
#91
Dibenzo(a,h)anthracene
Concen: 40.519 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3441534

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	15.8
279	23.9	19.1	28.7

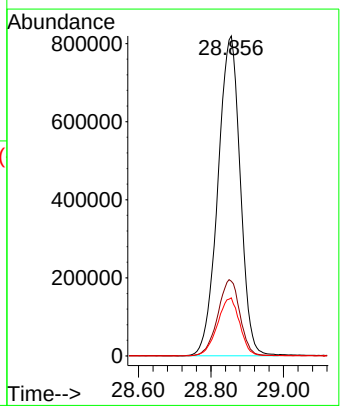




#92
Benzo(g,h,i)perylene
Concen: 40.326 ng
RT: 28.856 min Scan# 4398
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:276 Resp: 3500110

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	18.2	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	389192	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1287434	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	808126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1599813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1661195	20.000	ng		0.00
86) Perylene-d12	24.409	264	1751474	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2266168	98.875	ng		0.00
7) Phenol-d6	6.951	99	2789069	97.806	ng		0.00
23) Nitrobenzene-d5	8.939	82	2323989	100.519	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1205724	102.576	ng		0.00
45) 2-Fluorobiphenyl	13.045	172	6004539	100.754	ng		0.00
79) Terphenyl-d14	19.792	244	9482895	106.980	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	472538	50.062	ng		99
3) Pyridine	3.663	79	1241357	50.075	ng		99
4) n-Nitrosodimethylamine	3.569	42	470712	49.875	ng		100
6) Aniline	7.104	93	1121872	45.913	ng		99
8) 2-Chlorophenol	7.345	128	1141976	48.619	ng		99
9) Benzaldehyde	6.916	77	692302	47.349	ng		99
10) Phenol	6.981	94	1356163	48.734	ng		98
11) bis(2-Chloroethyl)ether	7.204	93	1066103	48.854	ng		100
12) 1,3-Dichlorobenzene	7.669	146	1379847	49.689	ng		98
13) 1,4-Dichlorobenzene	7.816	146	1373896	49.170	ng		100
14) 1,2-Dichlorobenzene	8.134	146	1288439	48.956	ng		99
15) Benzyl Alcohol	8.022	79	879326	48.969	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1159497	47.671	ng		99
17) 2-Methylphenol	8.228	107	827157	48.234	ng		99
18) Hexachloroethane	8.857	117	472771	48.633	ng		99
19) n-Nitroso-di-n-propyla...	8.586	70	771317	48.837	ng		100
20) 3+4-Methylphenols	8.551	107	1138439	48.694	ng		100
22) Acetophenone	8.598	105	1550166	49.544	ng	#	99
24) Nitrobenzene	8.981	77	1111675	49.935	ng		98
25) Isophorone	9.504	82	1926268	49.735	ng		100
26) 2-Nitrophenol	9.686	139	611215	51.801	ng		99
27) 2,4-Dimethylphenol	9.757	122	682677	51.053	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	1283751	49.510	ng		99
29) 2,4-Dichlorophenol	10.227	162	1124321	50.582	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	1285402	49.988	ng		99
31) Naphthalene	10.622	128	3278244	49.555	ng		99
32) Benzoic acid	9.904	122	773909	46.956	ng		96
33) 4-Chloroaniline	10.733	127	1155438	49.463	ng		98
34) Hexachlorobutadiene	10.916	225	800154	50.305	ng		99
35) Caprolactam	11.522	113	317444	49.794	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	973959	50.022	ng		99
37) 2-Methylnaphthalene	12.239	142	2320947	49.796	ng		99
38) 1-Methylnaphthalene	12.457	142	2263493	49.847	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1436460	50.808	ng		99
41) Hexachlorocyclopentadiene	12.592	237	526124	53.108	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	907433	50.440	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

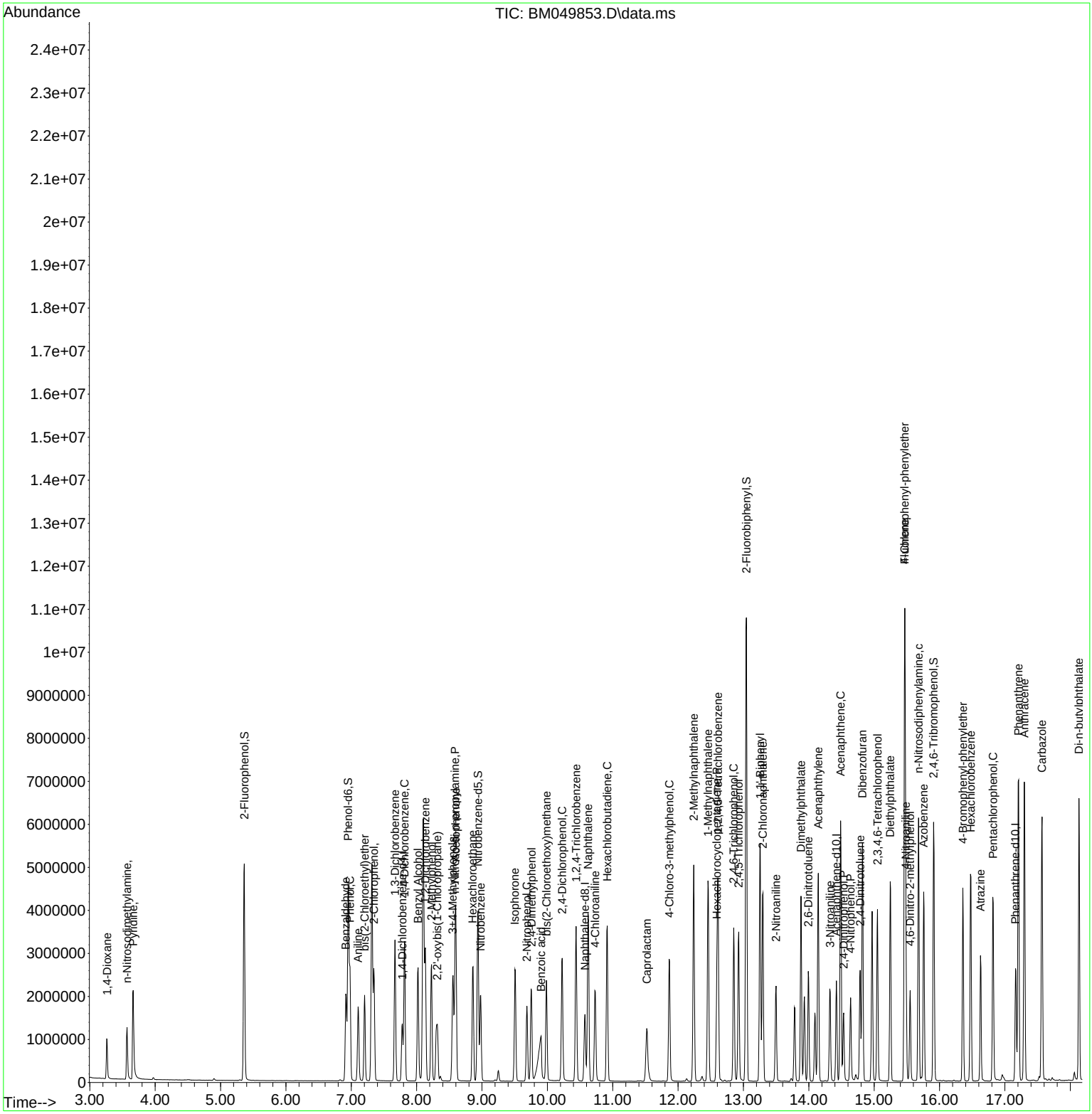
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	976092	49.927	ng	99
46) 1,1'-Biphenyl	13.257	154	2990362	49.778	ng	100
47) 2-Chloronaphthalene	13.298	162	2349832	49.767	ng	99
48) 2-Nitroaniline	13.498	65	568681	52.061	ng	98
49) Acenaphthylene	14.145	152	3456837	50.260	ng	100
50) Dimethylphthalate	13.880	163	2850200	49.993	ng	99
51) 2,6-Dinitrotoluene	13.992	165	616905	51.646	ng	99
52) Acenaphthene	14.486	154	2199854	50.284	ng	100
53) 3-Nitroaniline	14.327	138	595646	51.595	ng	94
54) 2,4-Dinitrophenol	14.533	184	391855	48.434	ng	98
55) Dibenzofuran	14.821	168	3667823	50.151	ng	99
56) 4-Nitrophenol	14.639	139	550813	53.540	ng	98
57) 2,4-Dinitrotoluene	14.786	165	847929	53.211	ng	95
58) Fluorene	15.468	166	2942325	50.613	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	848529	49.519	ng	98
60) Diethylphthalate	15.245	149	2722291	49.792	ng	99
61) 4-Chlorophenyl-phenyle...	15.468	204	1598783	51.296	ng	98
62) 4-Nitroaniline	15.486	138	638370	53.470	ng	100
63) Azobenzene	15.757	77	2357839	50.372	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	531880	52.759	ng	99
66) n-Nitrosodiphenylamine	15.680	169	2406908	50.273	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	946616	50.970	ng	98
68) Hexachlorobenzene	16.480	284	1072736	50.357	ng	99
69) Atrazine	16.627	200	567392	45.708	ng	99
70) Pentachlorophenol	16.821	266	786228	50.132	ng	99
71) Phenanthrene	17.209	178	4416317	50.352	ng	100
72) Anthracene	17.298	178	4394410	50.841	ng	100
73) Carbazole	17.568	167	4149752	50.973	ng	99
74) Di-n-butylphthalate	18.133	149	4702392	50.149	ng	100
75) Fluoranthene	19.221	202	5578449	51.729	ng	99
77) Benzidine	19.403	184	677381	30.737	ng	100
78) Pyrene	19.586	202	5785386	50.533	ng	100
80) Butylbenzylphthalate	20.486	149	2121299	49.311	ng	98
81) Benzo(a)anthracene	21.386	228	5586396	50.600	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	2142953	51.399	ng	99
83) Chrysene	21.450	228	5305401	50.547	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	3073374	49.035	ng	98
85) Di-n-octyl phthalate	22.444	149	5429342	49.516	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	6670738	51.094	ng	99
88) Benzo(b)fluoranthene	23.462	252	5751381	51.416	ng	99
89) Benzo(k)fluoranthene	23.527	252	5530993	51.024	ng	100
90) Benzo(a)pyrene	24.268	252	5052750	51.404	ng	98
91) Dibenzo(a,h)anthracene	27.856	278	5509091	51.229	ng	99
92) Benzo(g,h,i)perylene	28.862	276	5555532	50.555	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
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Instrument :
BNA_M
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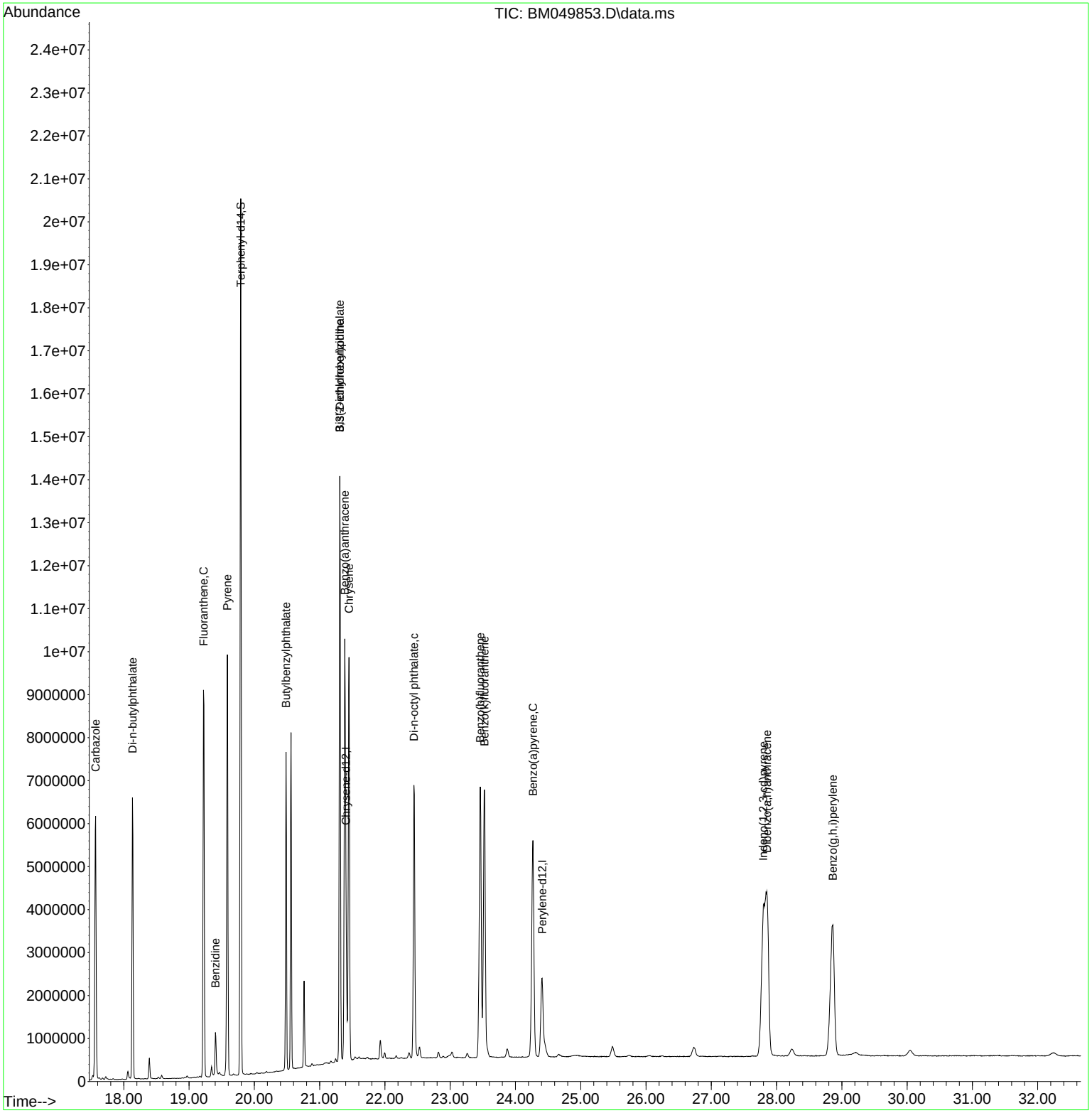
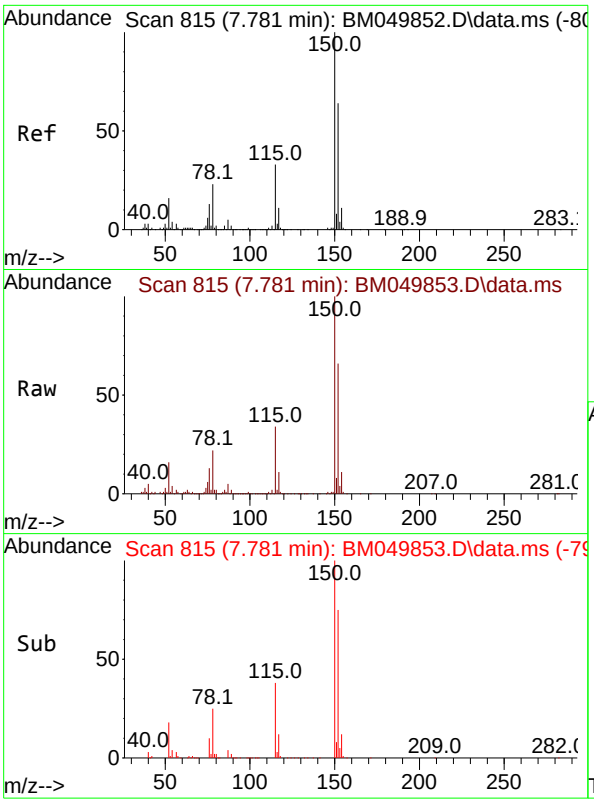
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



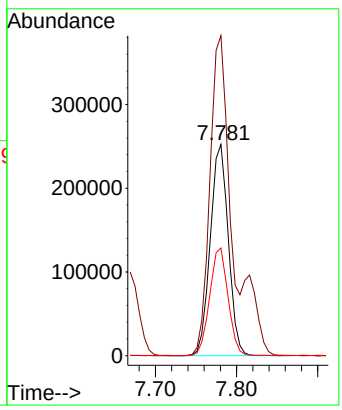


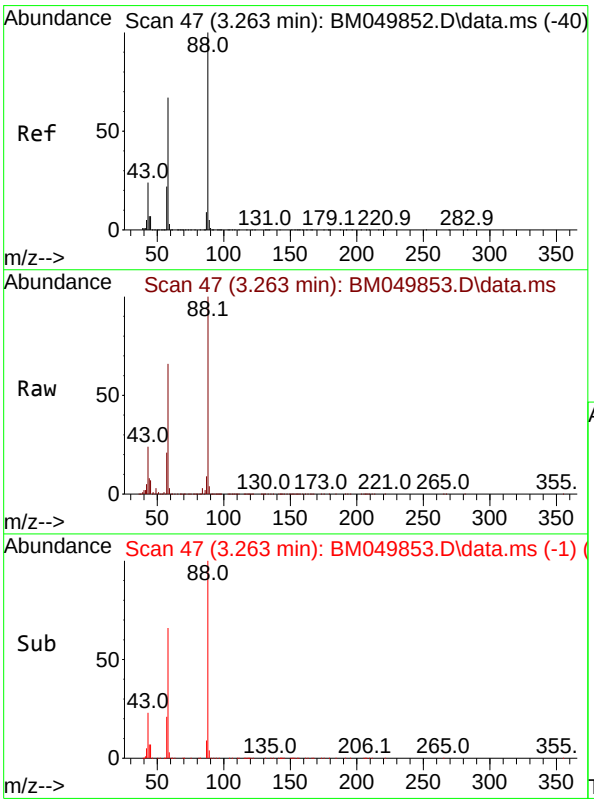
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 389192

Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.3	186.5
115	51.0	41.1	61.7

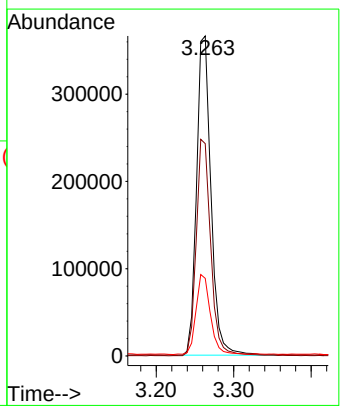


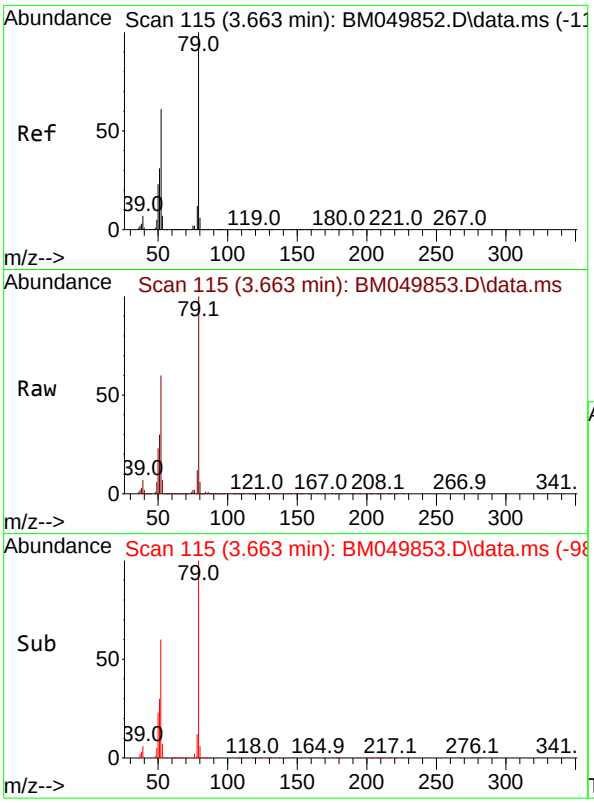


#2
1,4-Dioxane
Concen: 50.062 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 88 Resp: 472538

Ion	Ratio	Lower	Upper
88	100		
58	68.1	54.1	81.1
43	25.1	20.2	30.4



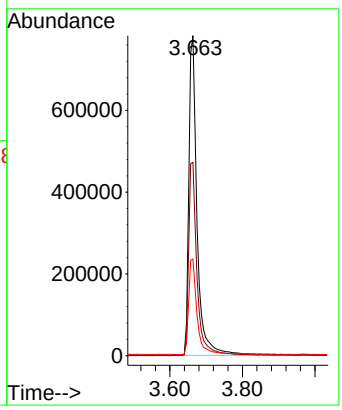


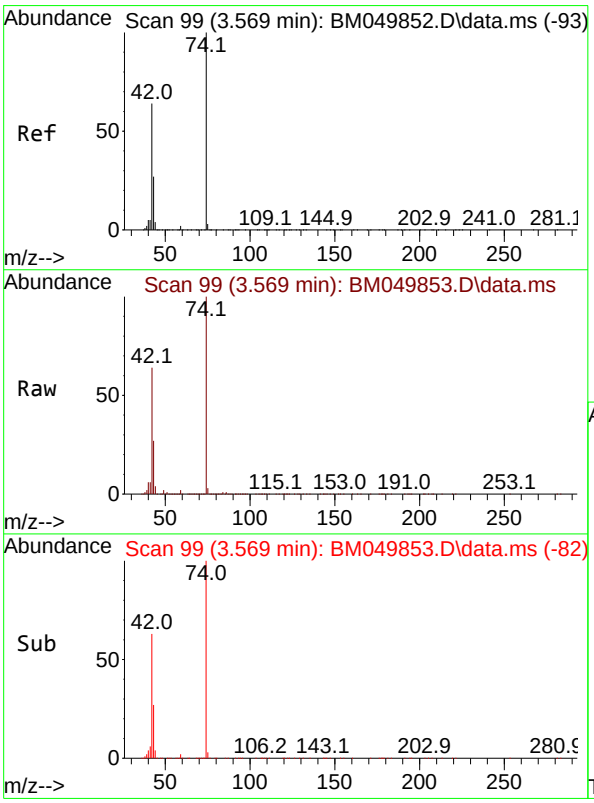
#3
Pyridine
Concen: 50.075 ng
RT: 3.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1241357

Ion	Ratio	Lower	Upper
79	100		
52	60.4	48.9	73.3
51	30.1	25.0	37.6

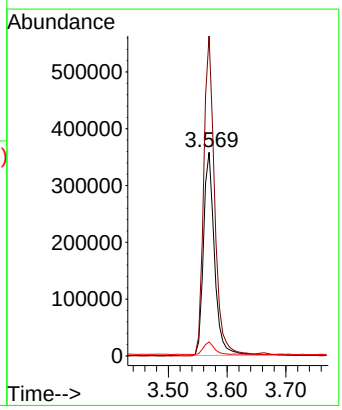


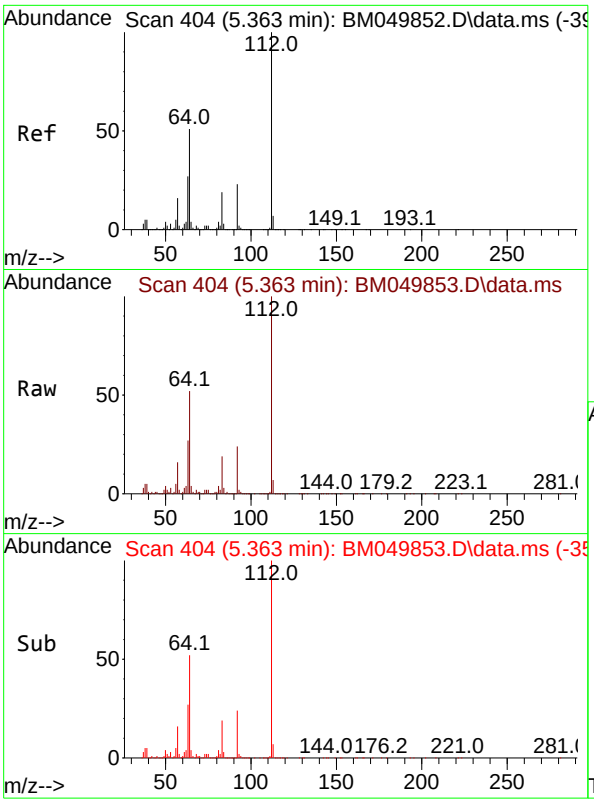


#4
n-Nitrosodimethylamine
Concen: 49.875 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 42 Resp: 470712

Ion	Ratio	Lower	Upper
42	100		
74	157.1	125.4	188.2
44	6.9	5.9	8.9



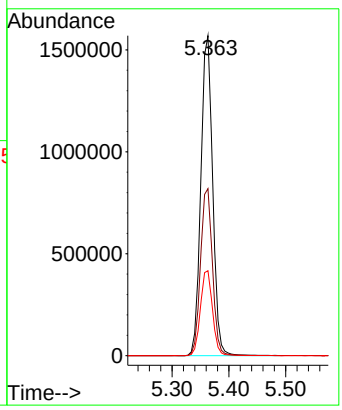


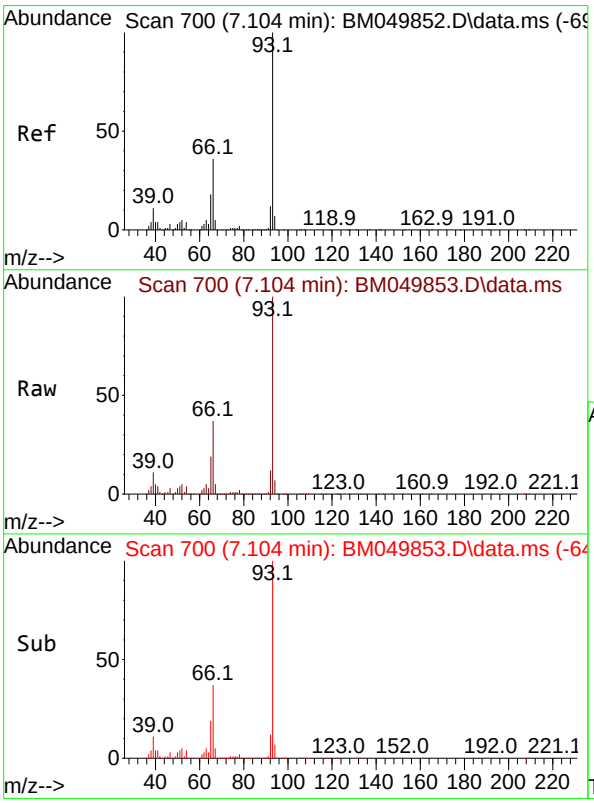
#5
2-Fluorophenol
Concen: 98.875 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 2266168

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.0	61.6
63	26.6	21.5	32.3

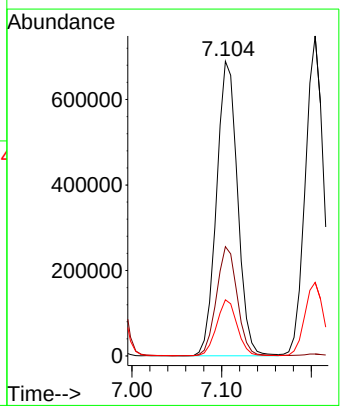


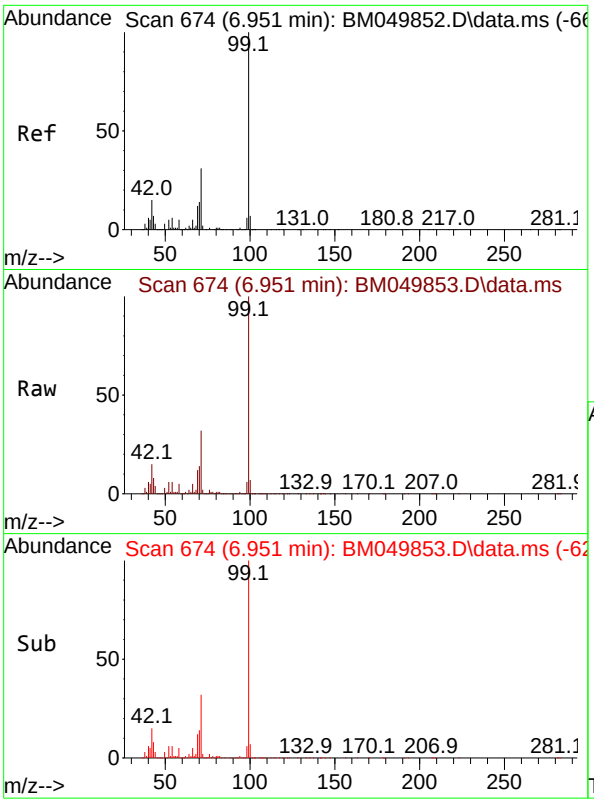


#6
Aniline
Concen: 45.913 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 93 Resp: 1121872

Ion	Ratio	Lower	Upper
93	100		
66	37.1	29.1	43.7
65	19.1	14.9	22.3



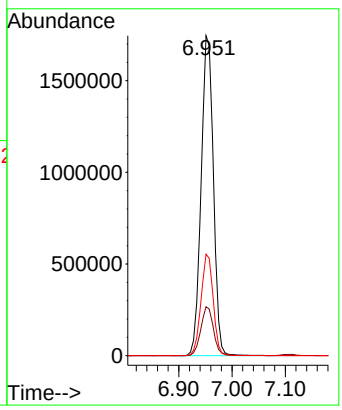


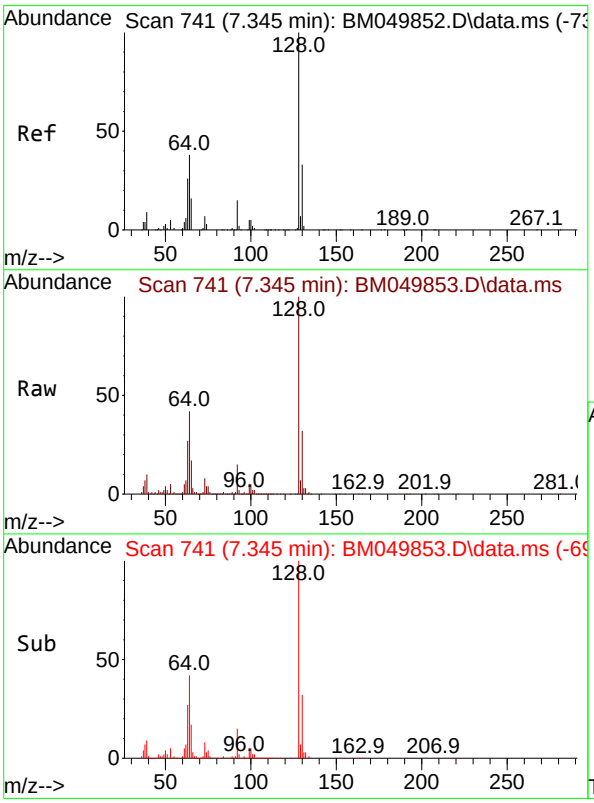
#7
Phenol-d6
Concen: 97.806 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2789069

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.1	18.1
71	31.7	24.9	37.3

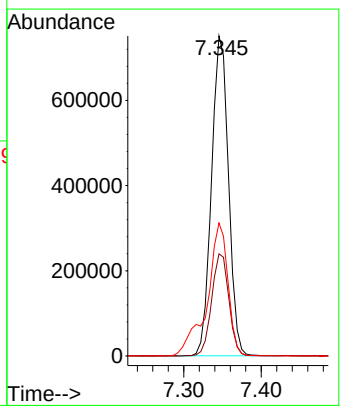


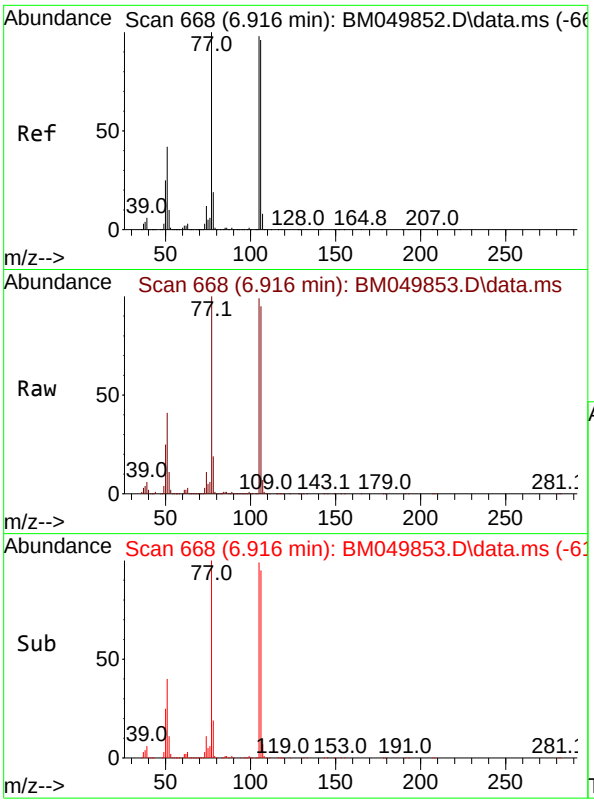


#8
2-Chlorophenol
Concen: 48.619 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:128 Resp: 1141976

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	41.5	21.1	61.1



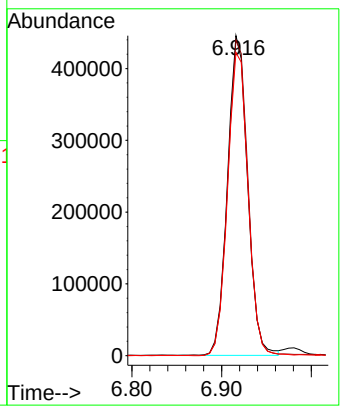


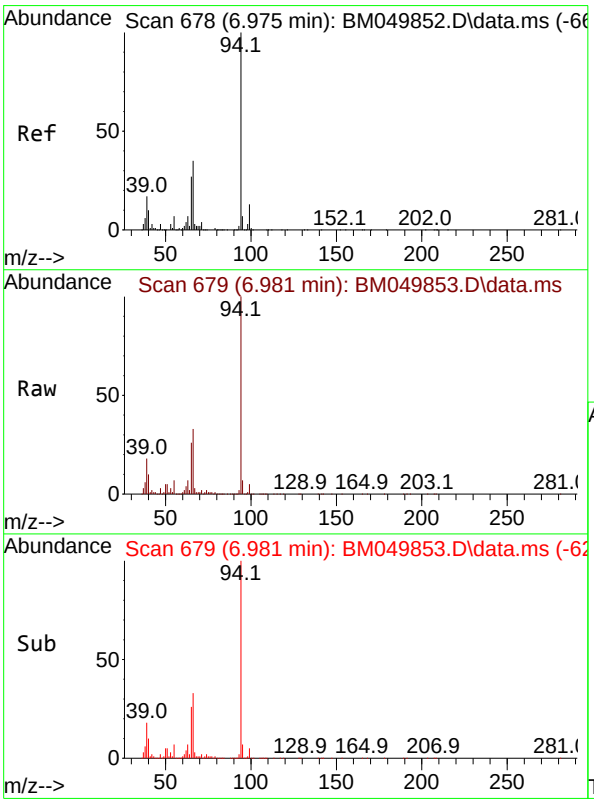
#9
Benzaldehyde
Concen: 47.349 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 692302

Ion	Ratio	Lower	Upper
77	100		
105	98.6	78.3	118.3
106	94.8	76.0	116.0

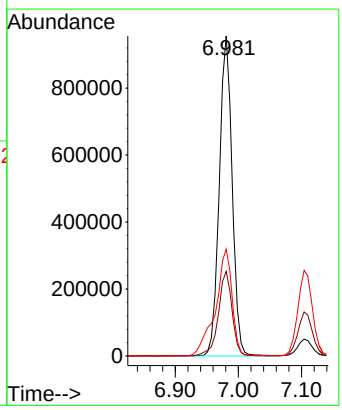


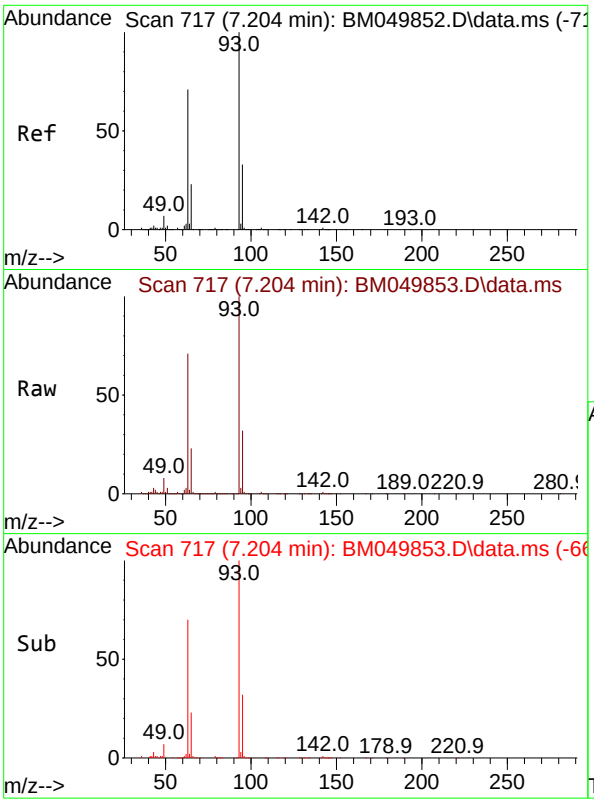


#10
Phenol
Concen: 48.734 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 94 Resp: 1356163

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.3	47.3
66	33.4	14.8	54.8



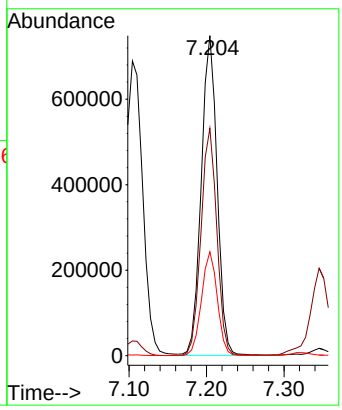


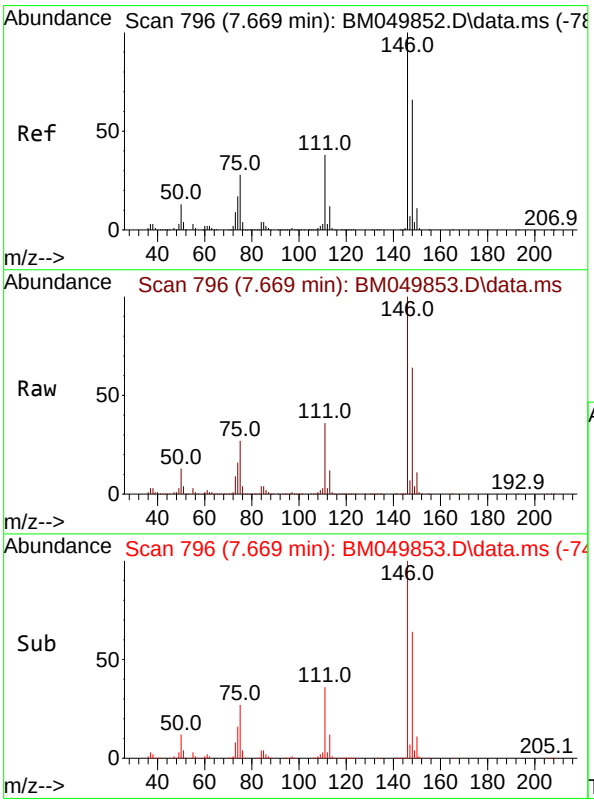
#11
bis(2-Chloroethyl)ether
Concen: 48.854 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 1066103

Ion	Ratio	Lower	Upper
93	100		
63	71.0	50.9	90.9
95	32.4	12.6	52.6

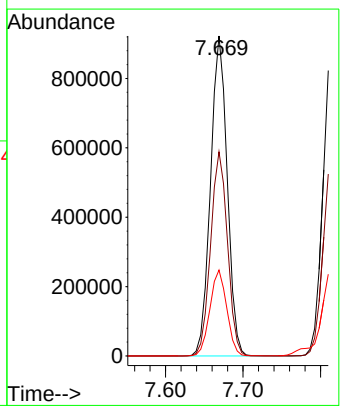


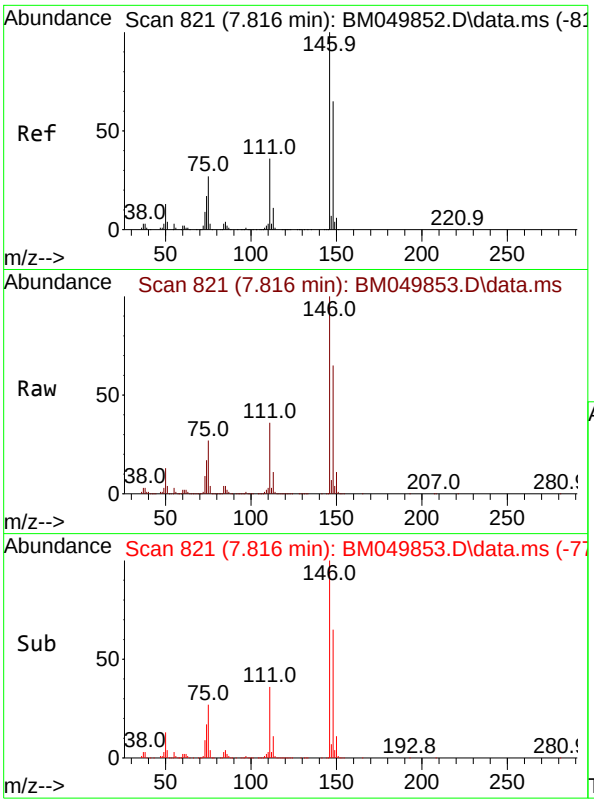


#12
1,3-Dichlorobenzene
Concen: 49.689 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:146 Resp: 1379847

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.5	78.7
75	26.8	22.5	33.7



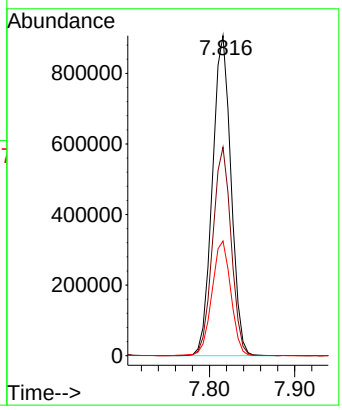


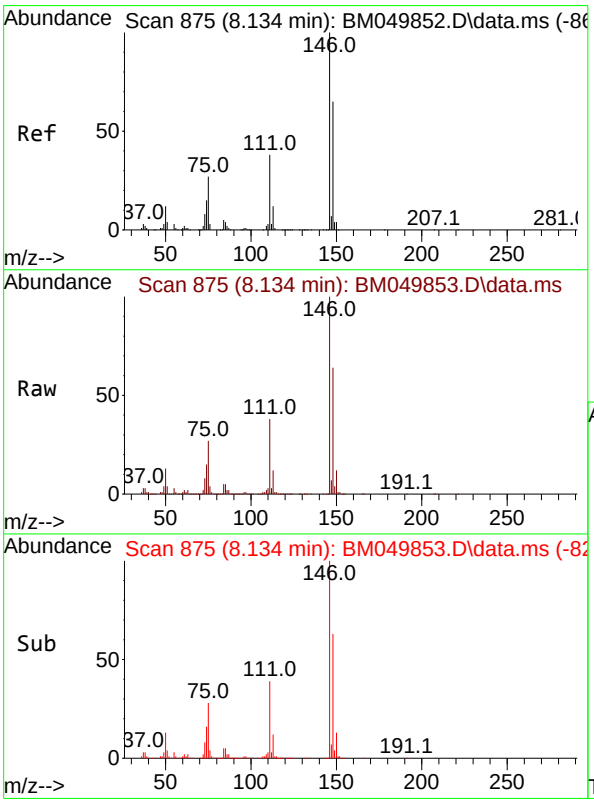
#13
1,4-Dichlorobenzene
Concen: 49.170 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1373896

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.4	78.6
111	35.8	28.5	42.7

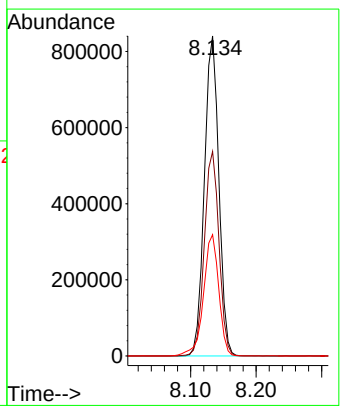


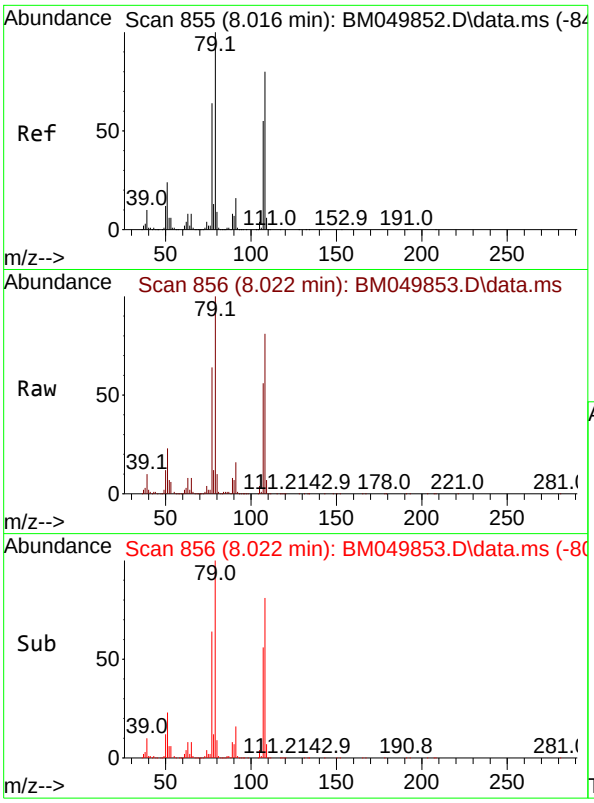


#14
1,2-Dichlorobenzene
Concen: 48.956 ng
RT: 8.134 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:146 Resp: 1288439

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
111	37.9	30.2	45.4



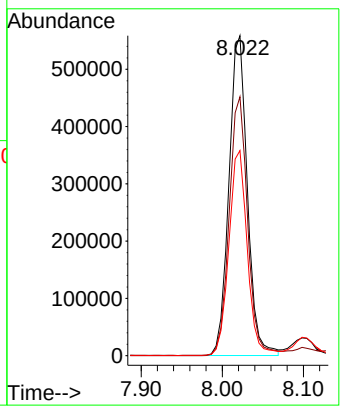


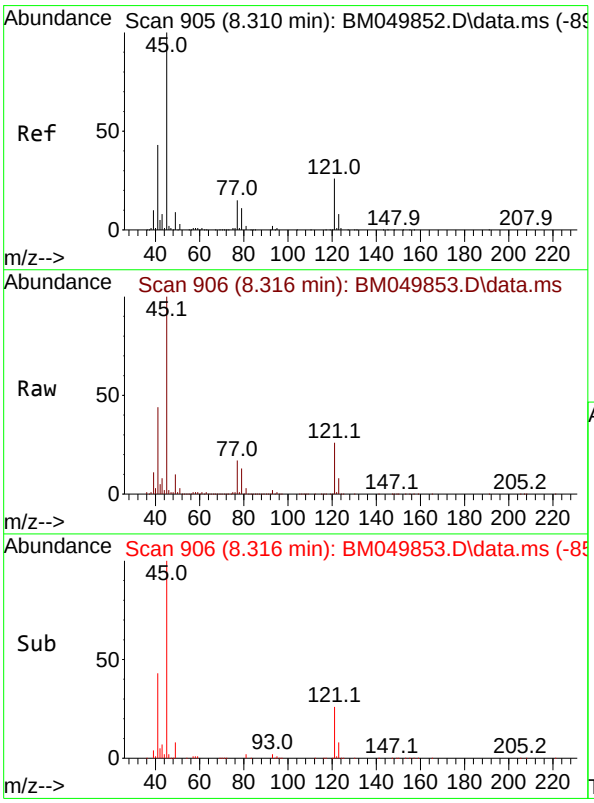
#15
Benzyl Alcohol
Concen: 48.969 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 879326

Ion	Ratio	Lower	Upper
79	100		
108	80.9	63.6	95.4
77	64.1	51.3	76.9

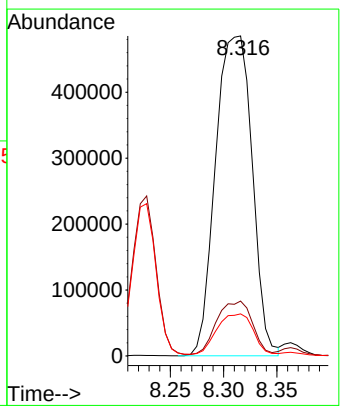


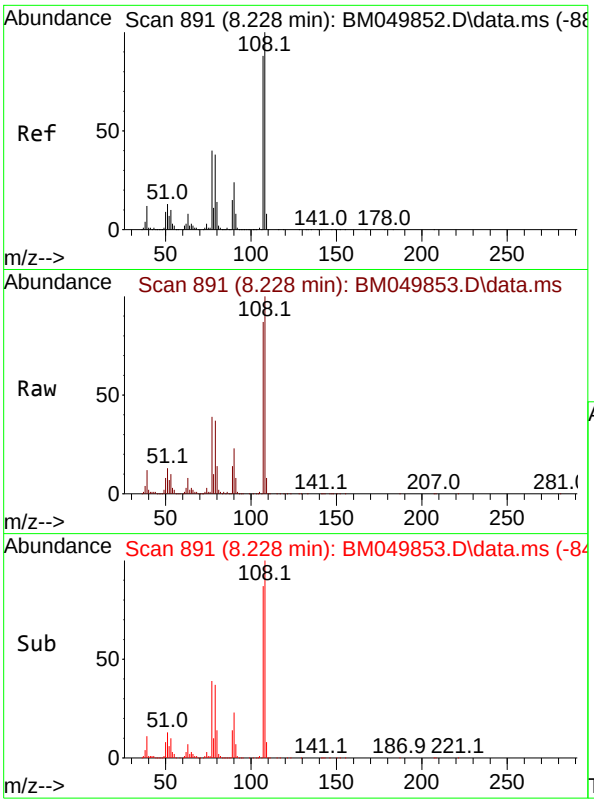


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.671 ng
RT: 8.316 min Scan# 906
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 45 Resp: 1159497

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.9
79	13.1	0.0	32.9



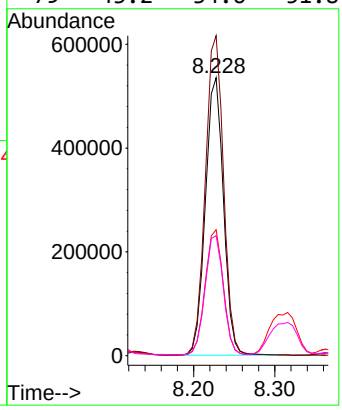


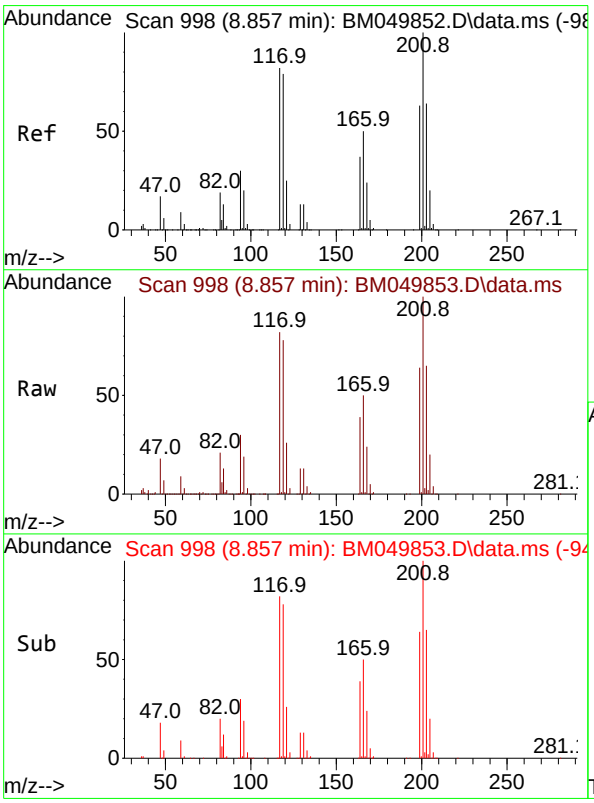
#17
2-Methylphenol
Concen: 48.234 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 827157

Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.0	136.6
77	45.3	36.5	54.7
79	43.2	34.6	51.8

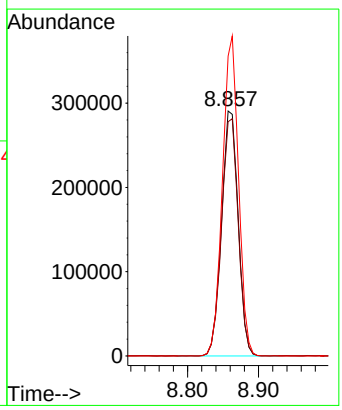


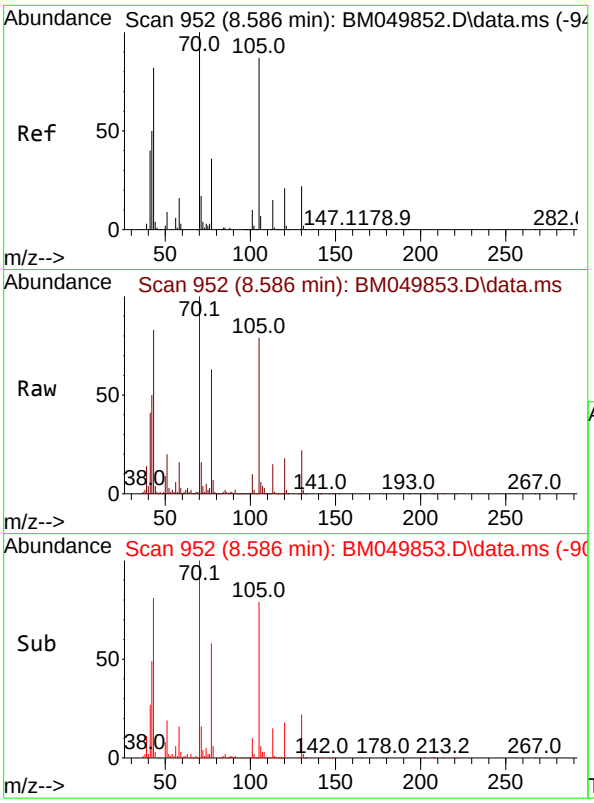


#18
Hexachloroethane
Concen: 48.633 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:117 Resp: 472771

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.5	116.3
201	122.3	97.7	146.5



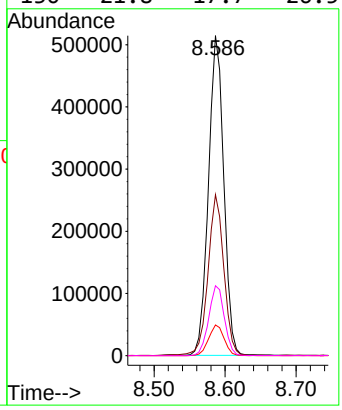


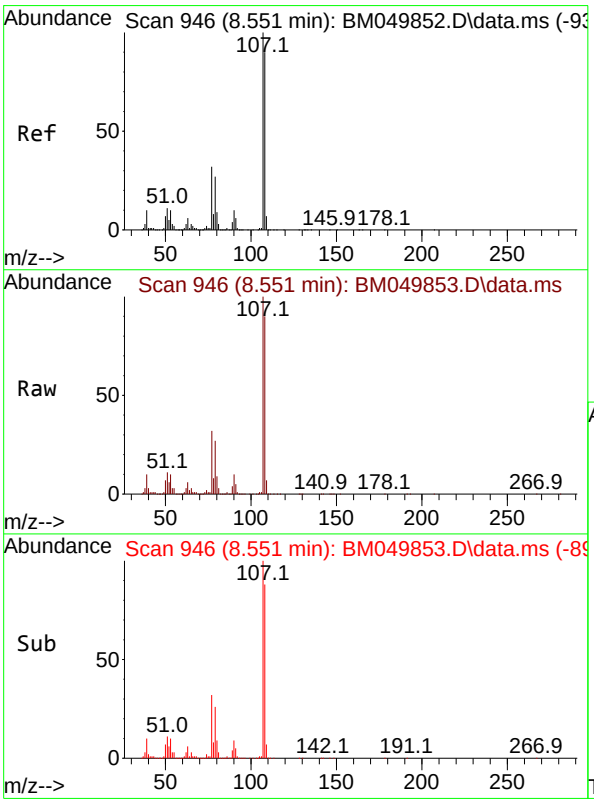
#19
n-Nitroso-di-n-propylamine
Concen: 48.837 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 771317

Ion	Ratio	Lower	Upper
70	100		
42	50.3	40.2	60.2
101	9.6	7.9	11.9
130	21.8	17.7	26.5

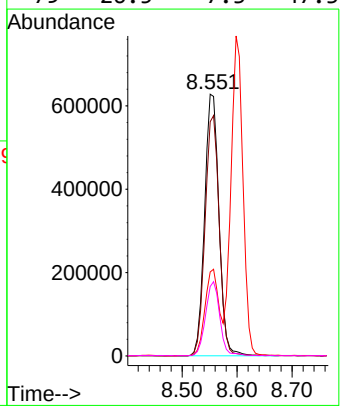


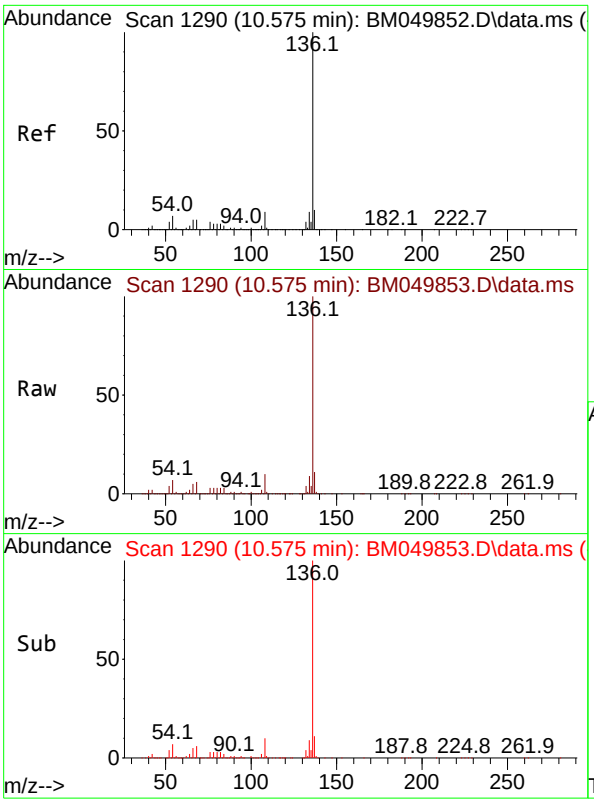


#20
3+4-Methylphenols
Concen: 48.694 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:107 Resp: 1138439

Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.6	109.6
77	32.1	11.7	51.7
79	26.5	7.3	47.3



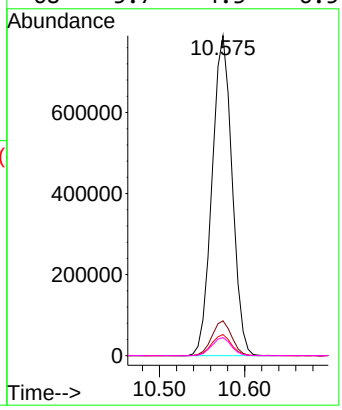


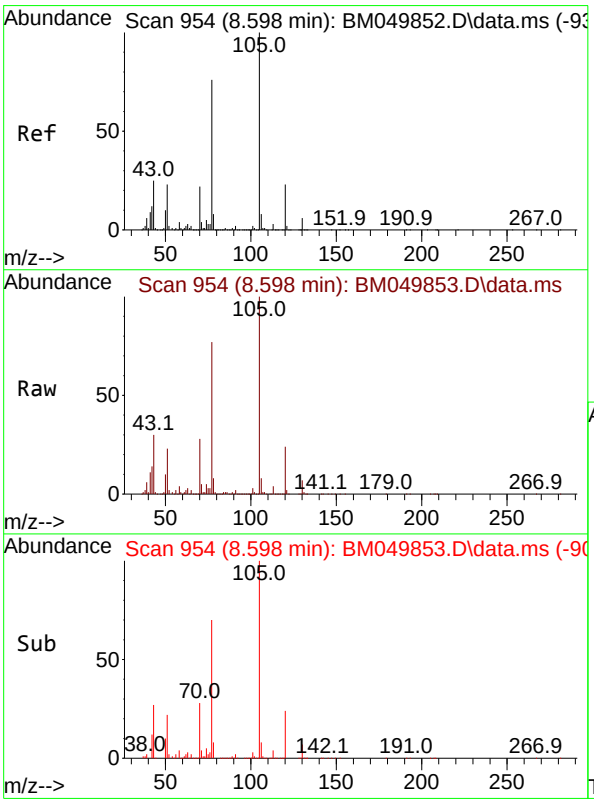
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1287434

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.6	5.3	7.9
68	5.7	4.3	6.5

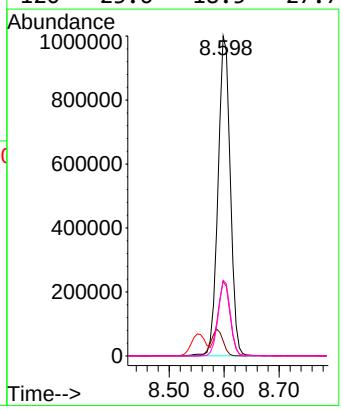


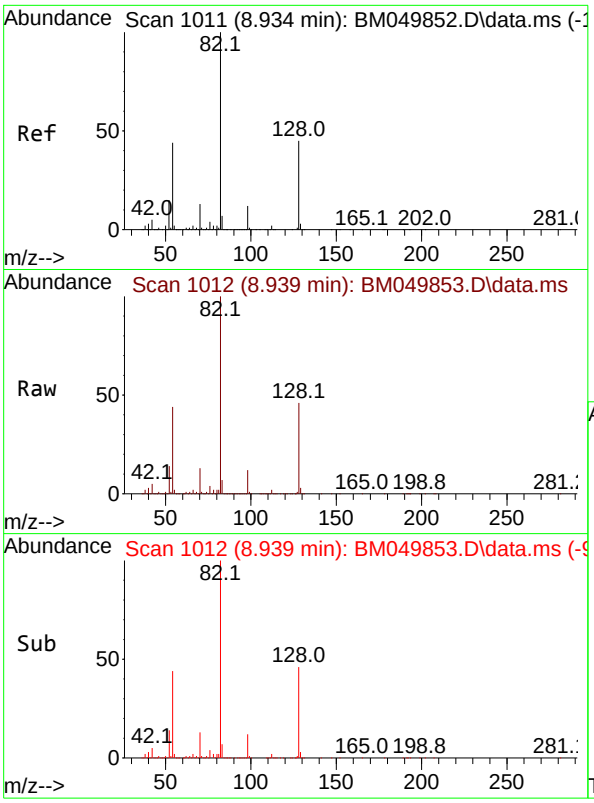


#22
Acetophenone
Concen: 49.544 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:105 Resp: 1550166

Ion	Ratio	Lower	Upper
105	100		
71	4.7	3.0	4.4#
51	23.3	18.6	27.8
120	23.6	18.5	27.7



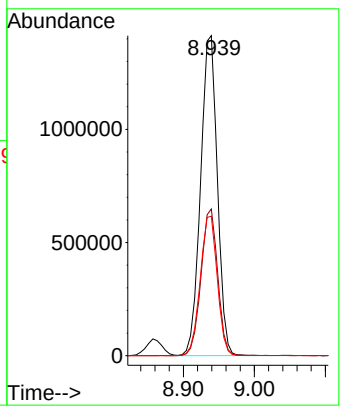


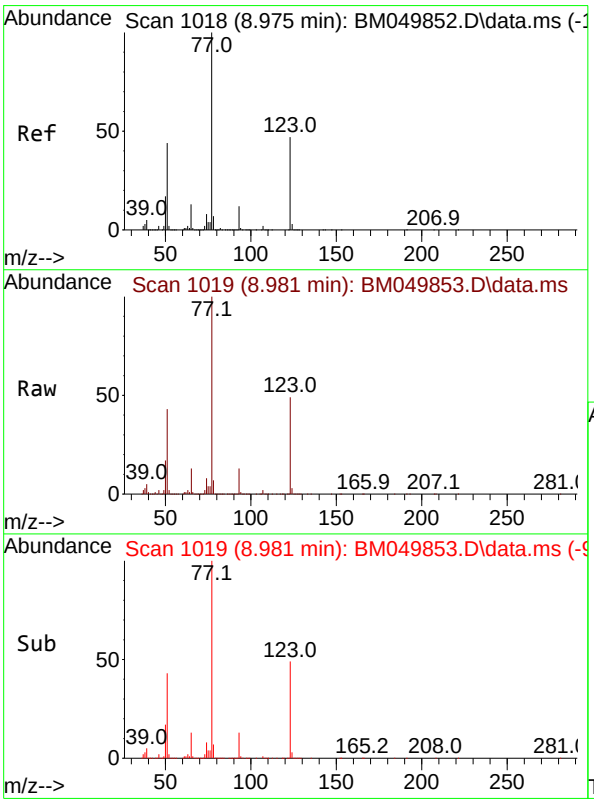
#23
Nitrobenzene-d5
Concen: 100.519 ng
RT: 8.939 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2323989

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.2	54.2
54	43.6	35.0	52.6

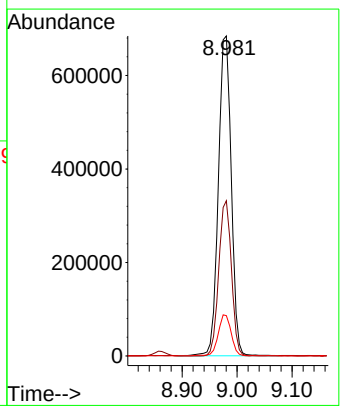


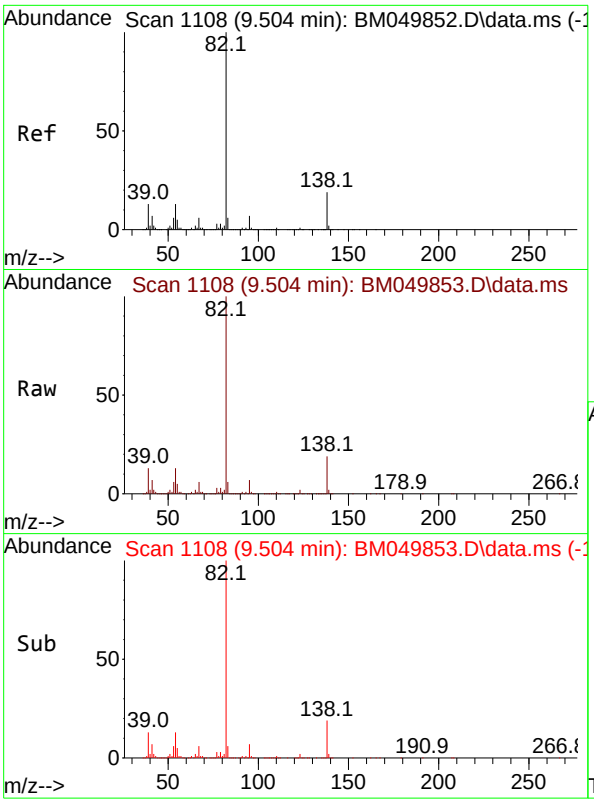


#24
Nitrobenzene
Concen: 49.935 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 77 Resp: 1111675

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.4	56.2
65	12.6	10.1	15.1



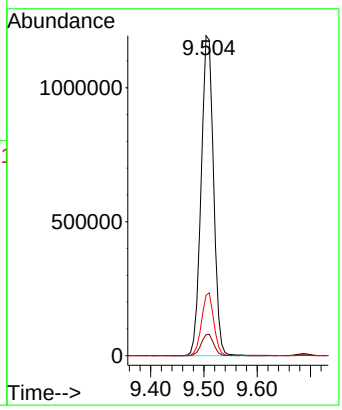


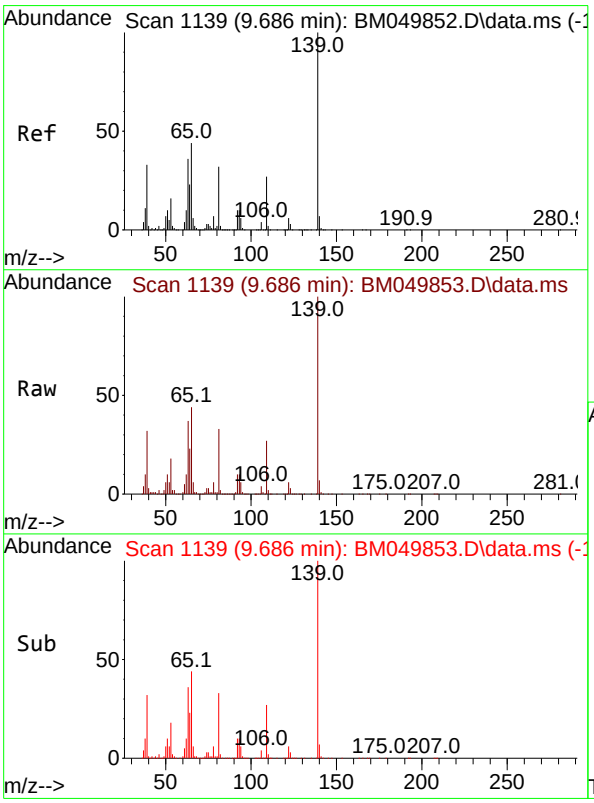
#25
Isophorone
Concen: 49.735 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1926268

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.8	15.0	22.6

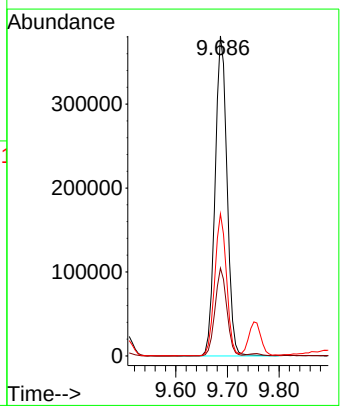


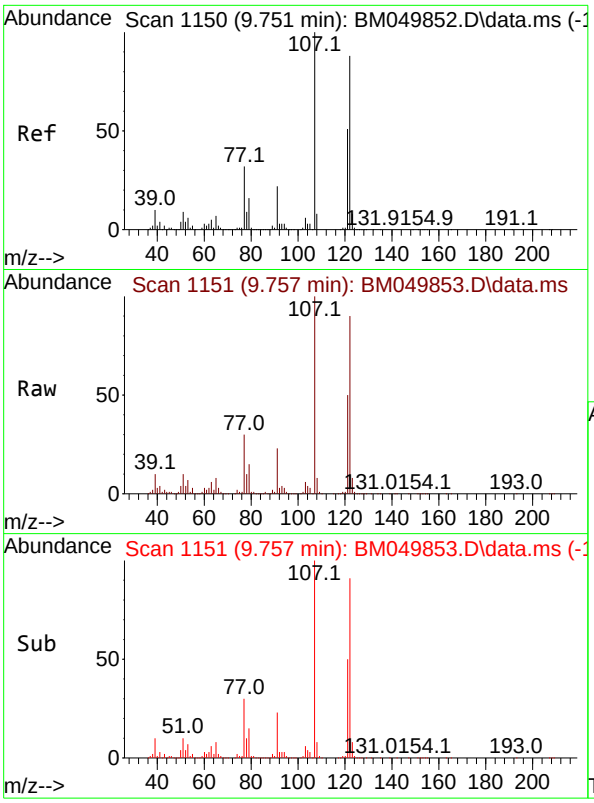


#26
2-Nitrophenol
Concen: 51.801 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:139 Resp: 611215

Ion	Ratio	Lower	Upper
139	100		
109	27.4	21.7	32.5
65	44.4	35.2	52.8



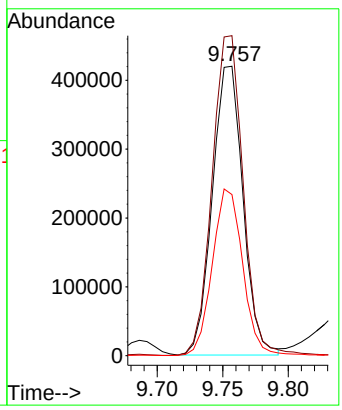


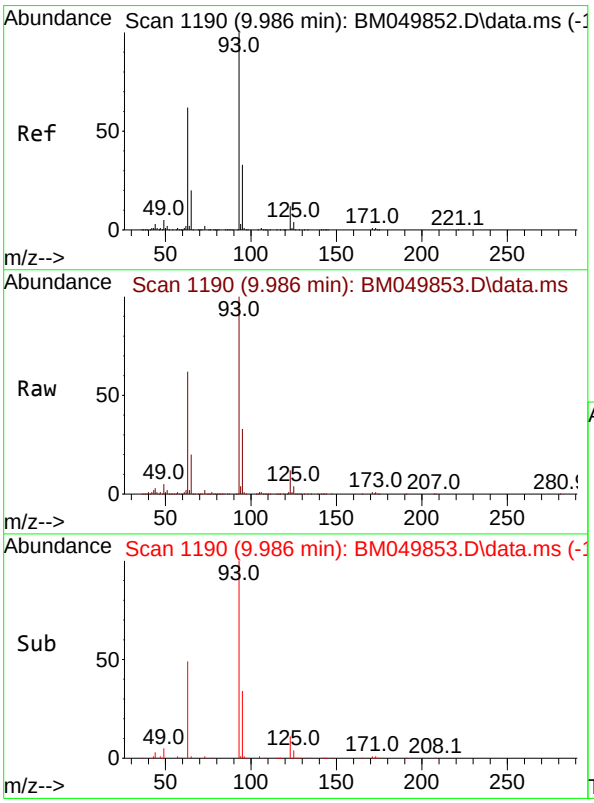
#27
2,4-Dimethylphenol
Concen: 51.053 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 682677

Ion	Ratio	Lower	Upper
122	100		
107	110.5	90.3	135.5
121	55.7	46.1	69.1

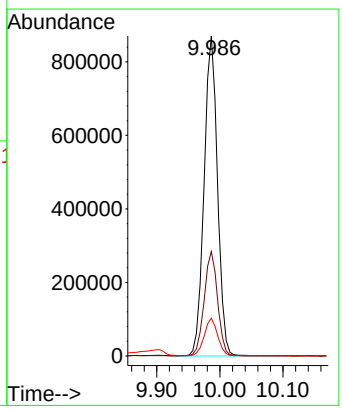


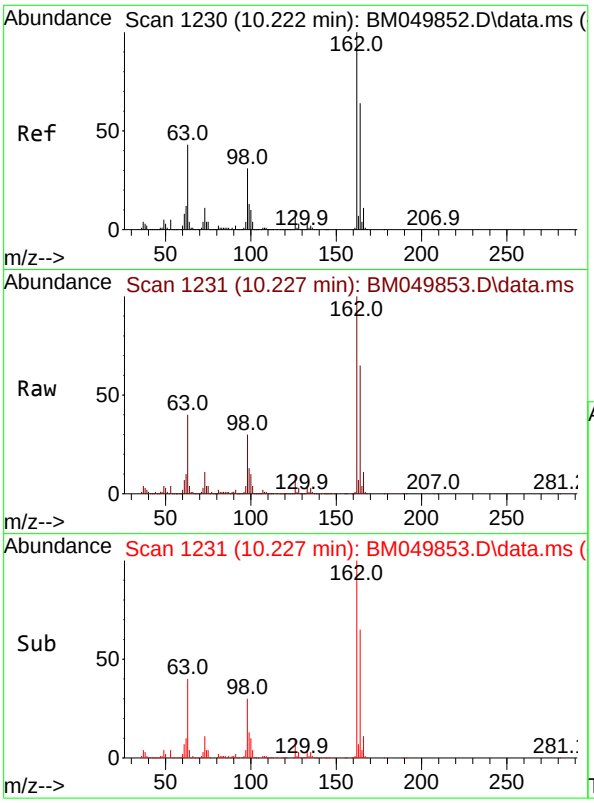


#28
bis(2-Chloroethoxy)methane
Concen: 49.510 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 93 Resp: 1283751

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.6	40.0
123	11.8	9.5	14.3



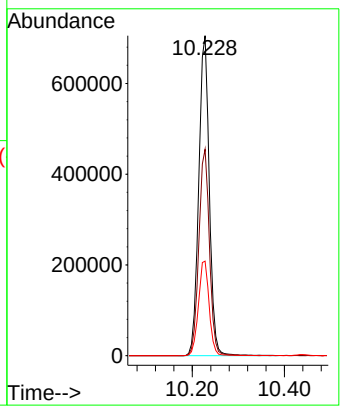


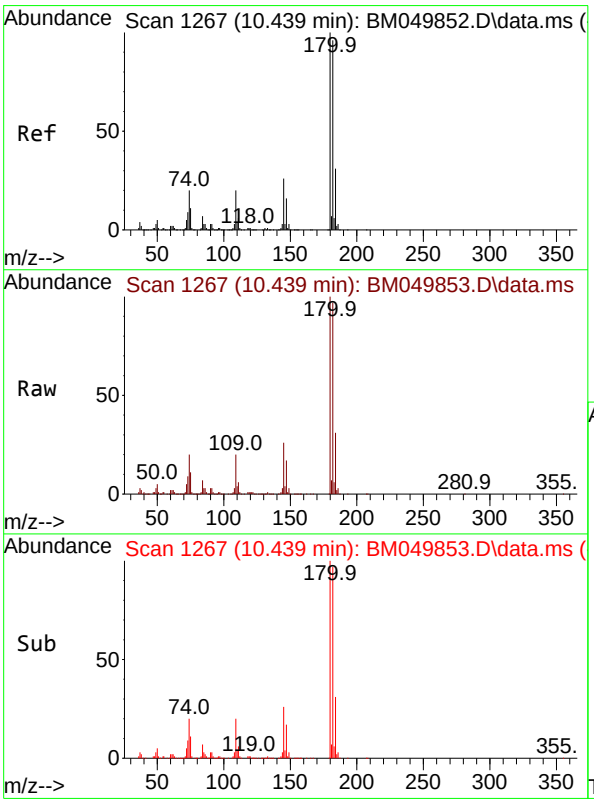
#29
2,4-Dichlorophenol
Concen: 50.582 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1124321

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.3	84.3
98	29.6	10.9	50.9

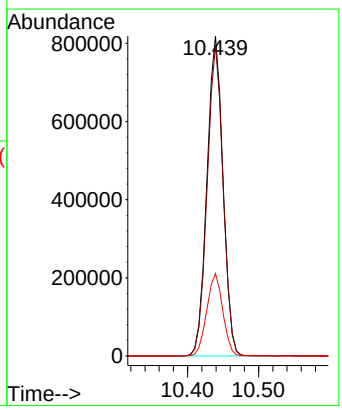


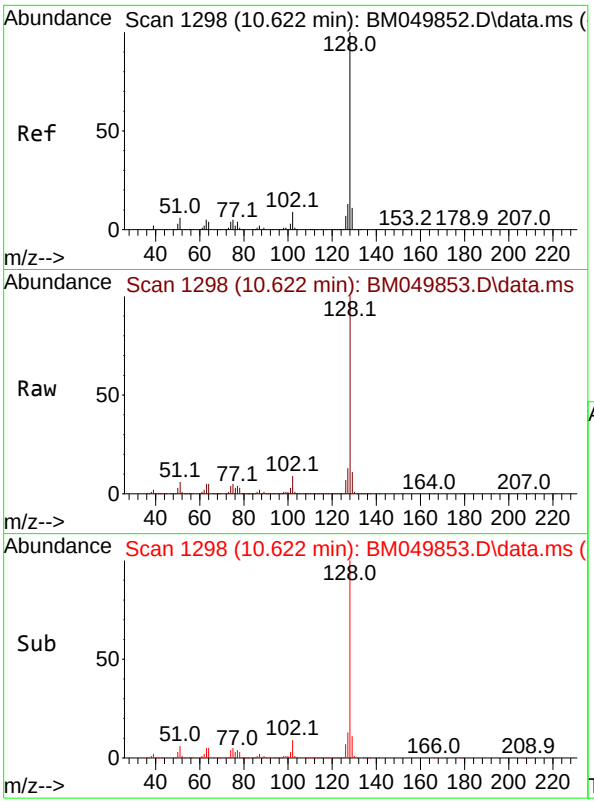


#30
1,2,4-Trichlorobenzene
Concen: 49.988 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:180 Resp: 1285402

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	25.7	20.8	31.2



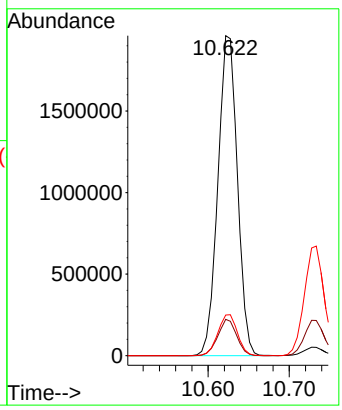


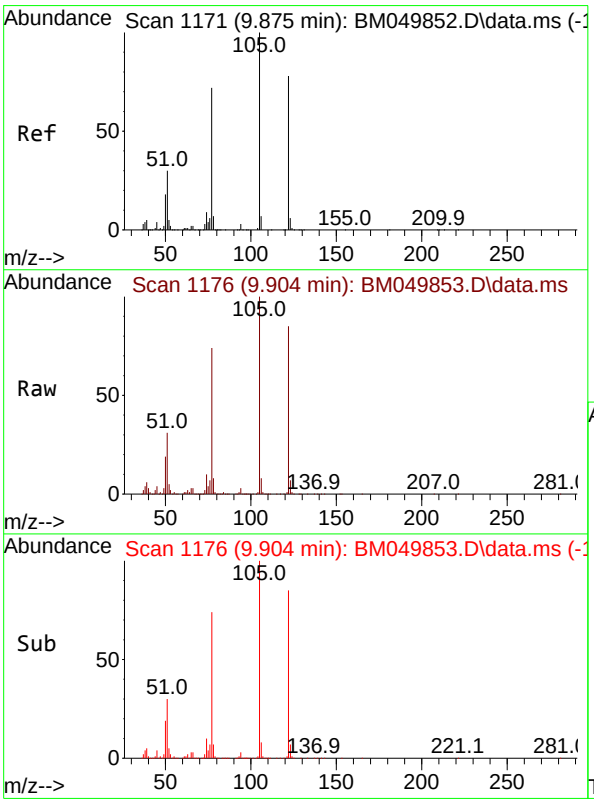
#31
Naphthalene
Concen: 49.555 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3278244

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.7	10.6	15.8

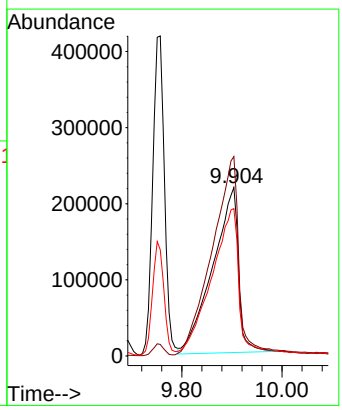


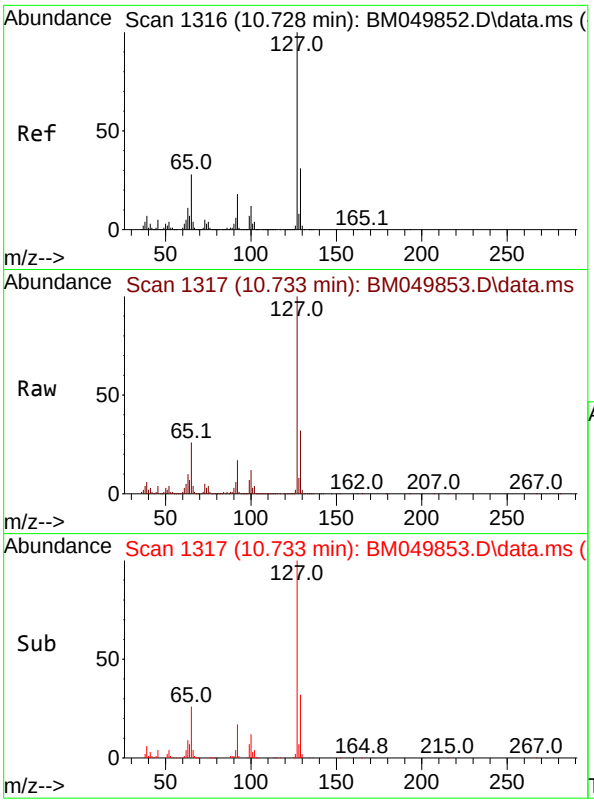


#32
Benzoic acid
Concen: 46.956 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:122 Resp: 773909

Ion	Ratio	Lower	Upper
122	100		
105	118.3	103.8	143.8
77	87.5	70.7	110.7



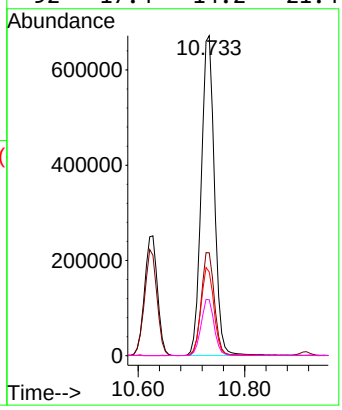


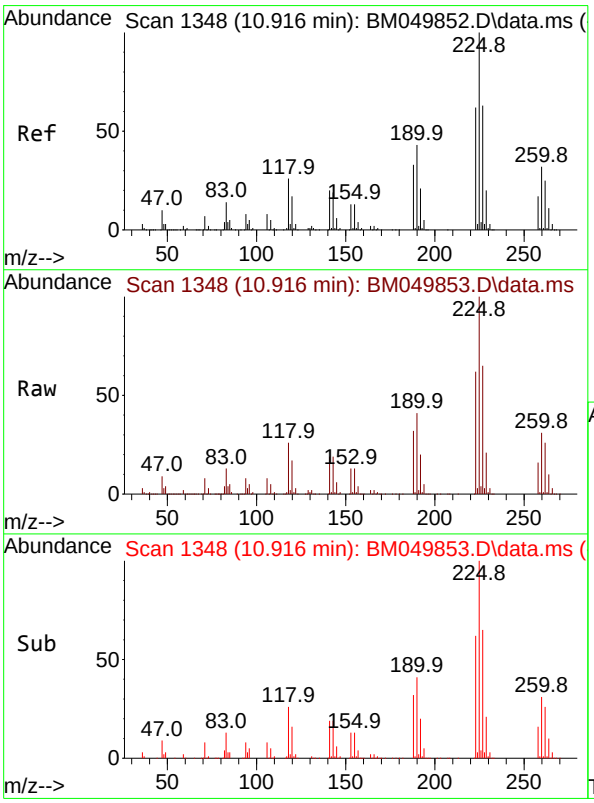
#33
4-Chloroaniline
Concen: 49.463 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1155438

Ion	Ratio	Lower	Upper
127	100		
129	32.2	24.9	37.3
65	26.2	22.4	33.6
92	17.4	14.2	21.4

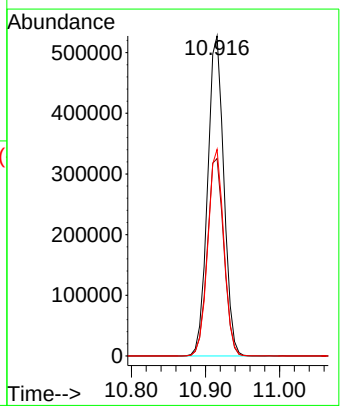


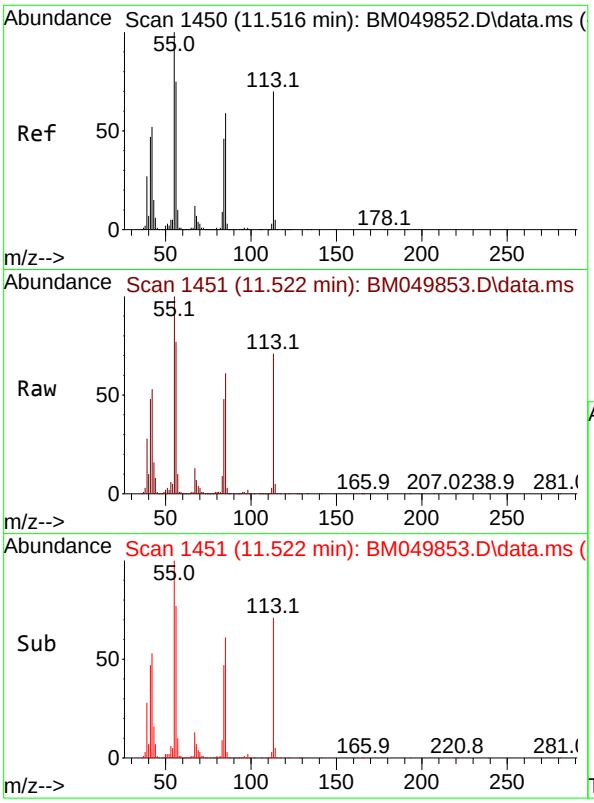


#34
Hexachlorobutadiene
Concen: 50.305 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:225 Resp: 800154

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.4	74.2
227	64.5	50.1	75.1



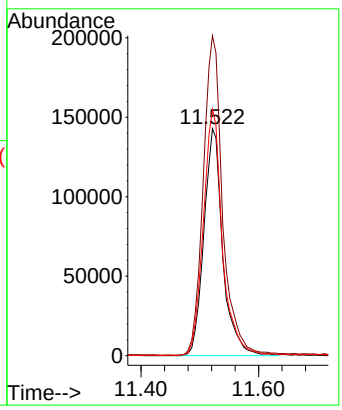


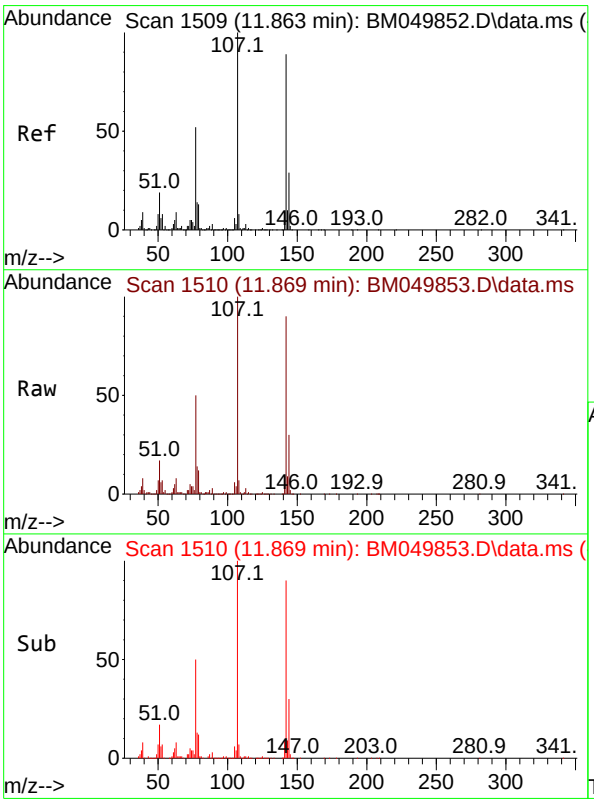
#35
Caprolactam
Concen: 49.794 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 317444

Ion	Ratio	Lower	Upper
113	100		
55	140.9	124.3	164.3
56	108.5	87.5	127.5

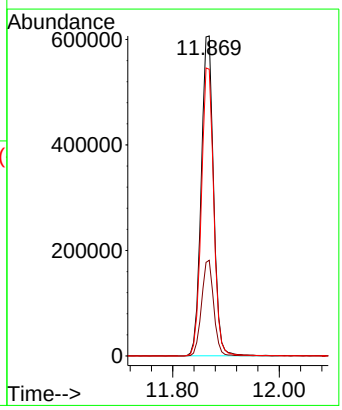


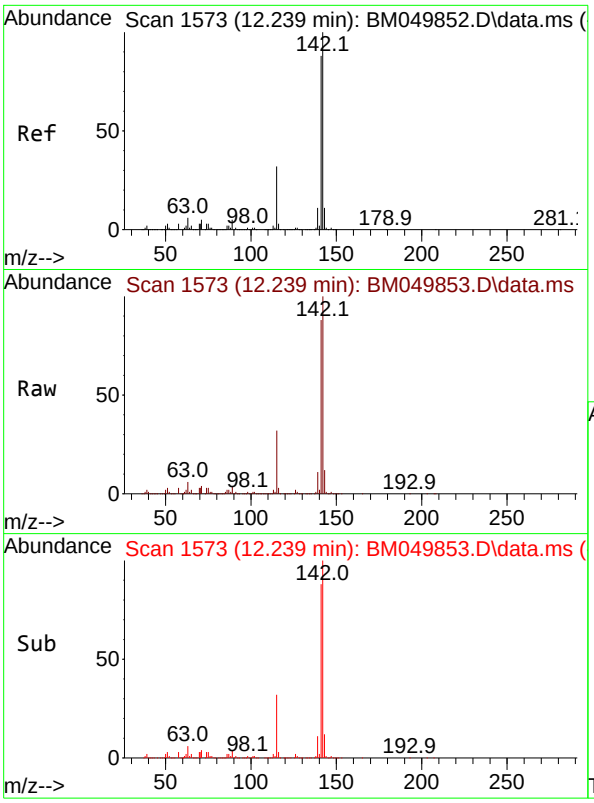


#36
4-Chloro-3-methylphenol
Concen: 50.022 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:107 Resp: 973959

Ion	Ratio	Lower	Upper
107	100		
144	29.9	23.6	35.4
142	89.6	71.4	107.0



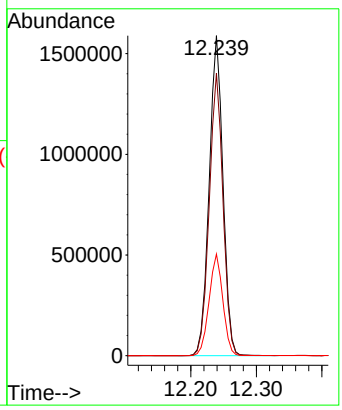


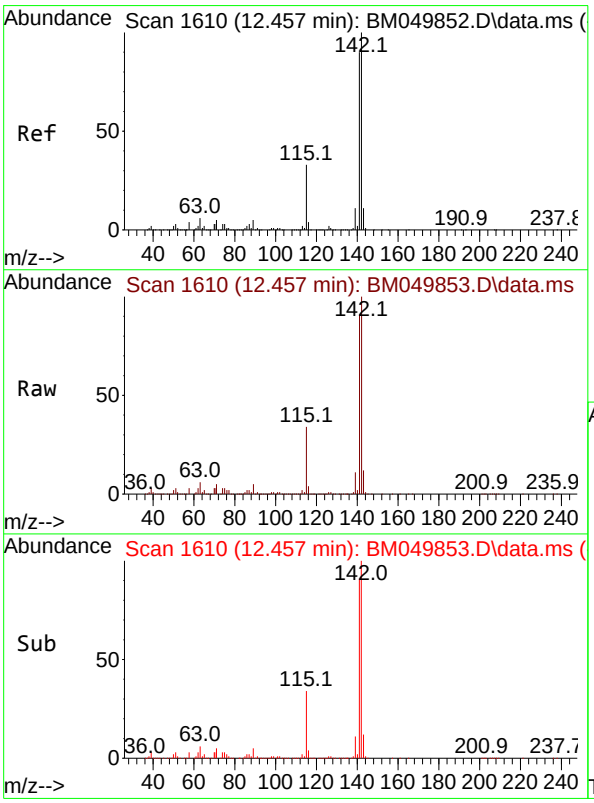
#37
2-Methylnaphthalene
Concen: 49.796 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2320947

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.2	105.2
115	31.7	25.4	38.2

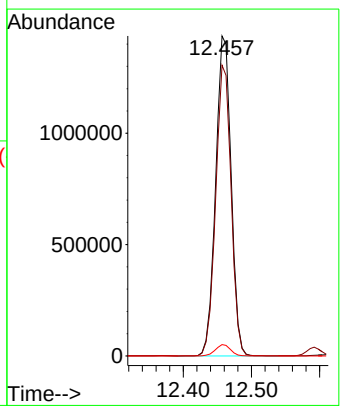


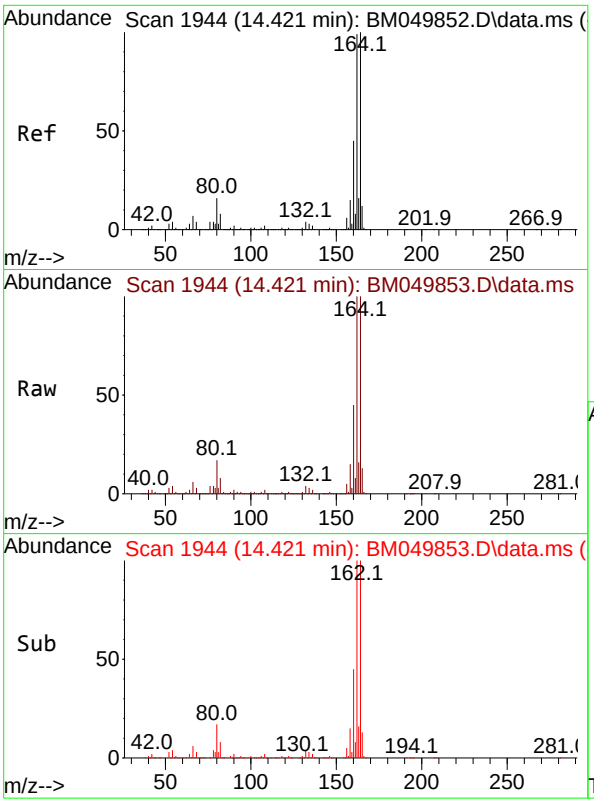


#38
1-Methylnaphthalene
Concen: 49.847 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:142 Resp: 2263493

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.2
116	3.5	2.9	4.3



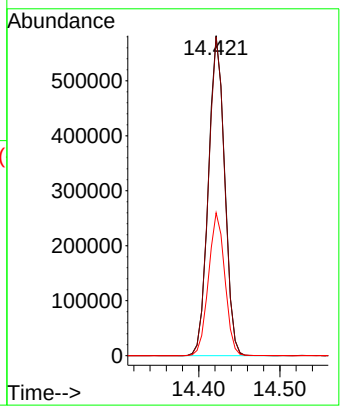


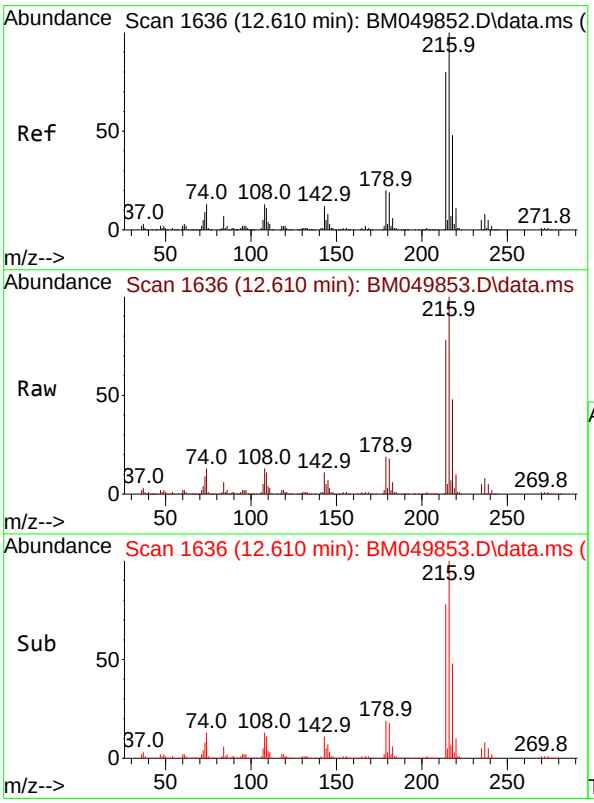
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 808126

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.4	119.0
160	44.6	36.2	54.2

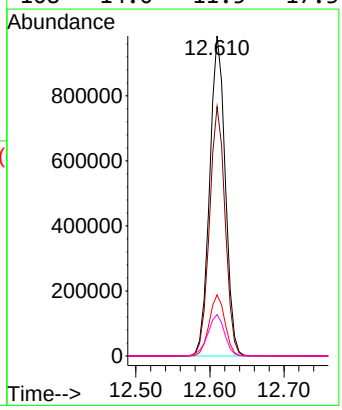


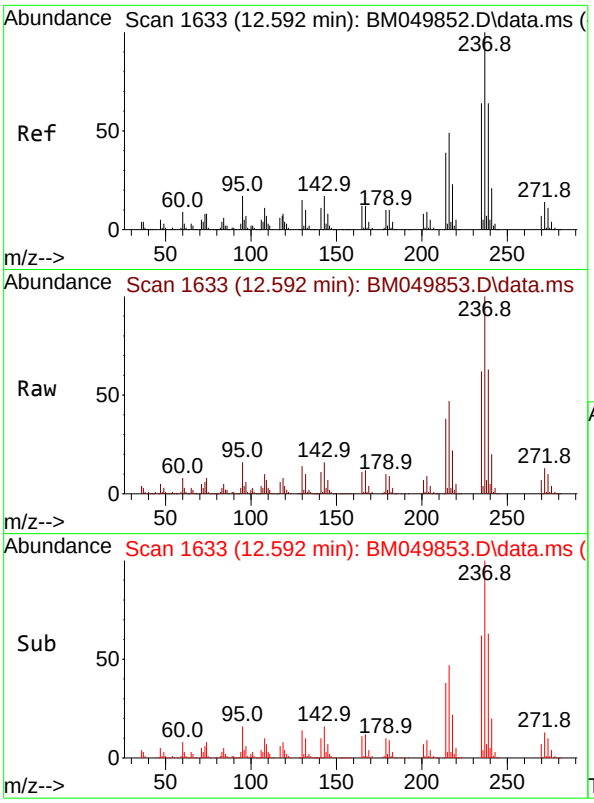


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.808 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:216 Resp: 1436460

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.2	94.8
179	19.3	15.8	23.6
108	14.0	11.5	17.3



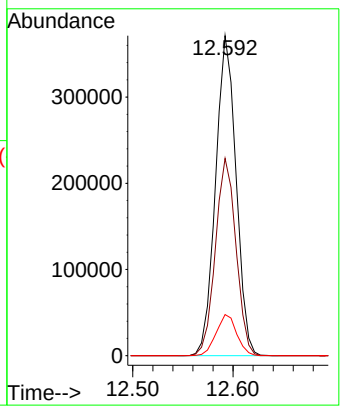


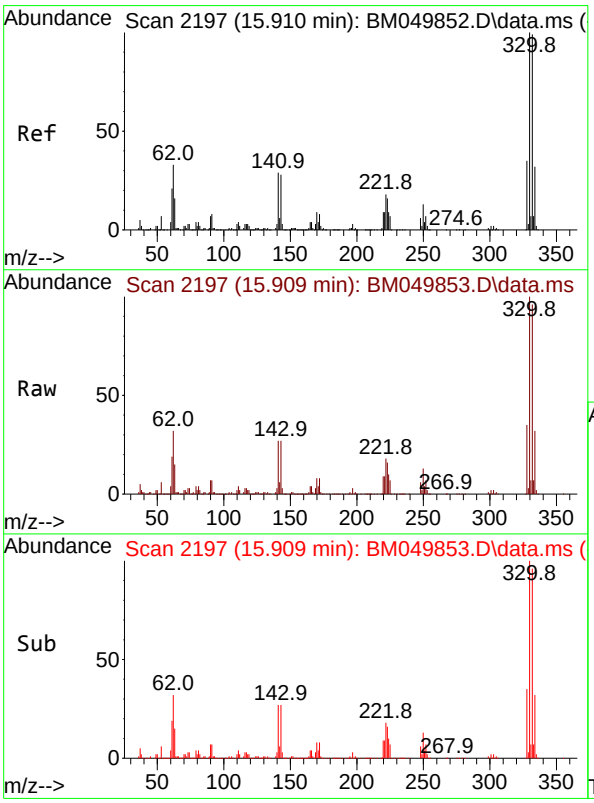
#41
Hexachlorocyclopentadiene
Concen: 53.108 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 526124

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.7	83.7
272	12.8	0.0	33.5

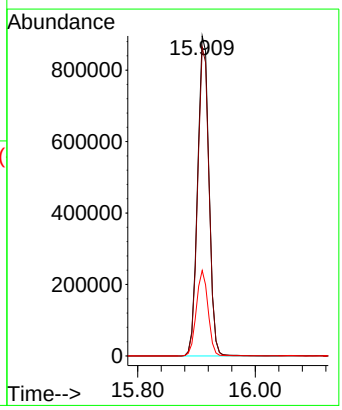


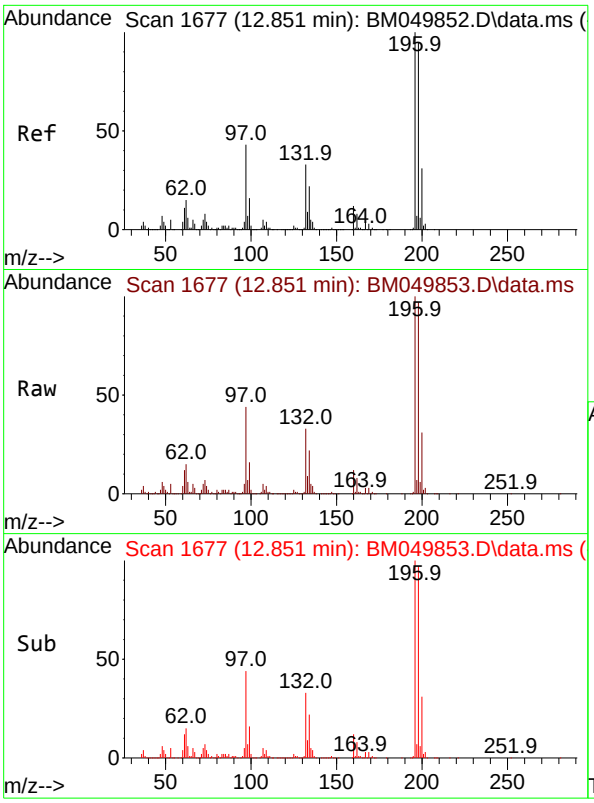


#42
2,4,6-Tribromophenol
Concen: 102.576 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:330 Resp: 1205724

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	27.4	23.5	35.3



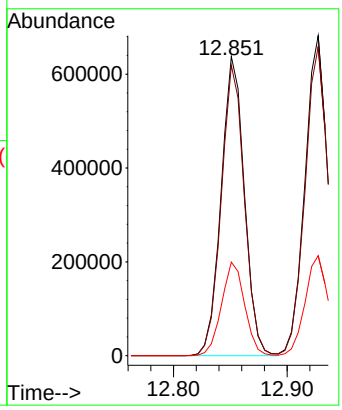


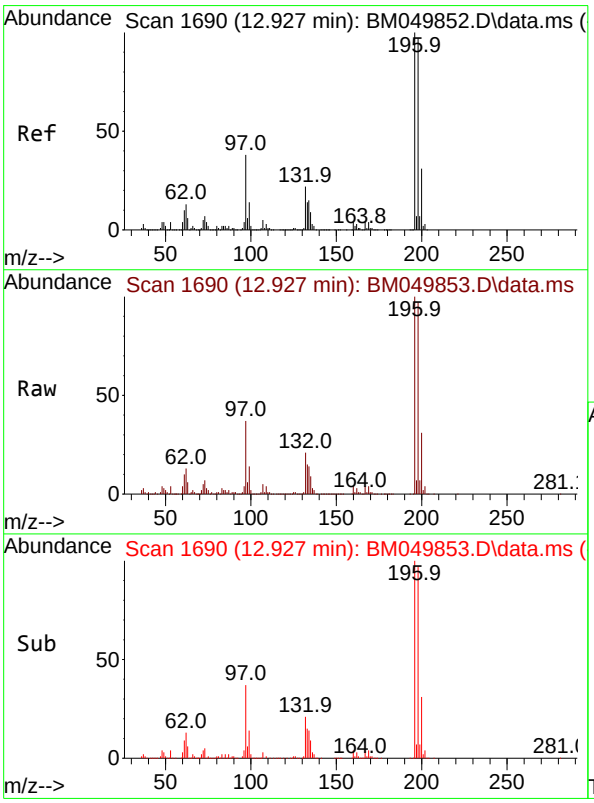
#43
2,4,6-Trichlorophenol
Concen: 50.440 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 907433

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.1	114.1
200	31.3	24.7	37.1

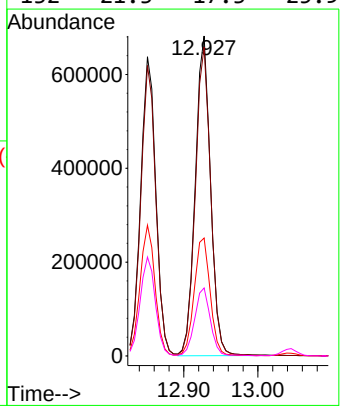


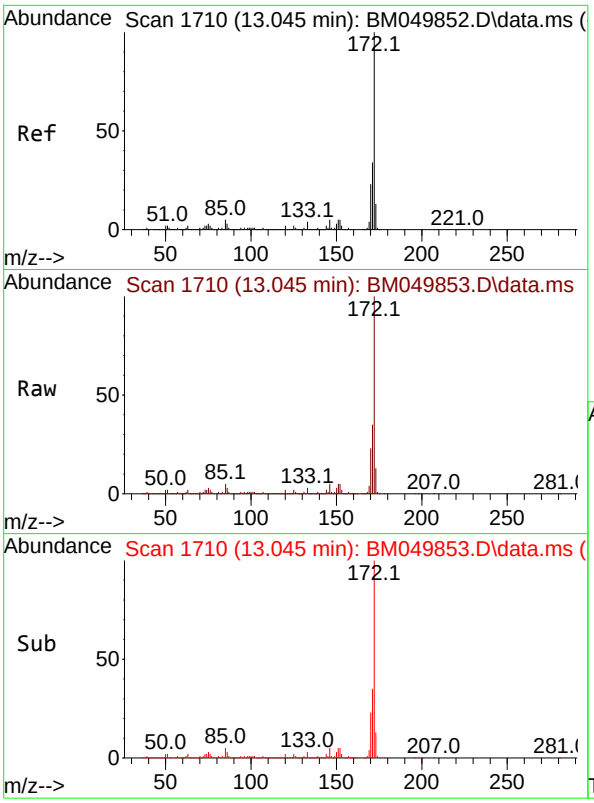


#44
2,4,5-Trichlorophenol
Concen: 49.927 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:196 Resp: 976092

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.7	116.5
97	36.9	30.3	45.5
132	21.3	17.3	25.9



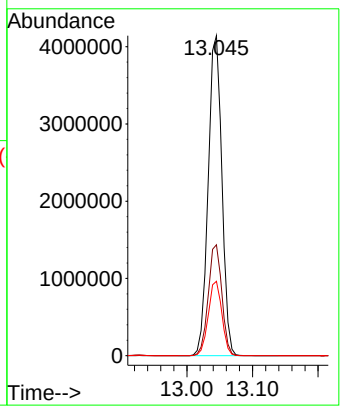


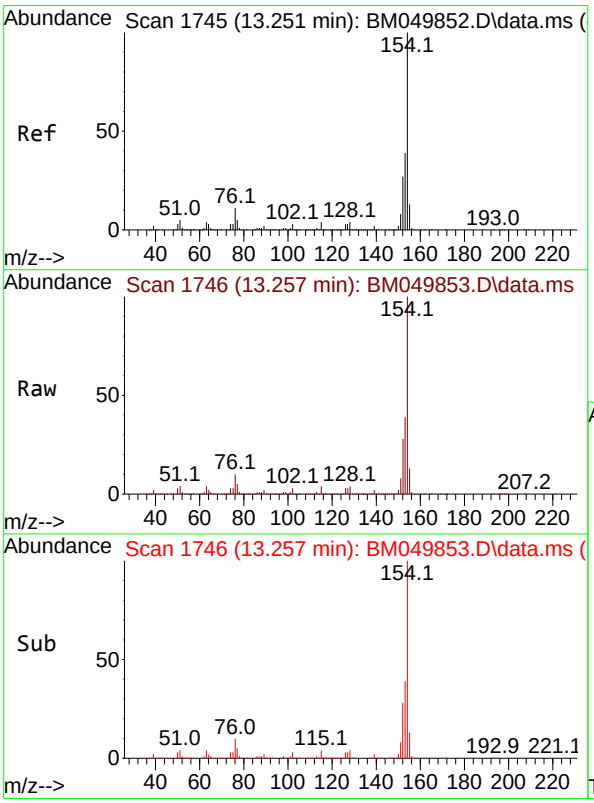
#45
2-Fluorobiphenyl
Concen: 100.754 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 6004539

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.2
170	23.3	18.6	28.0

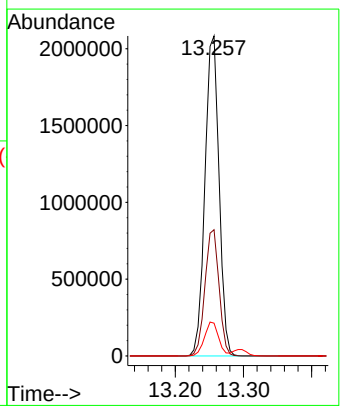


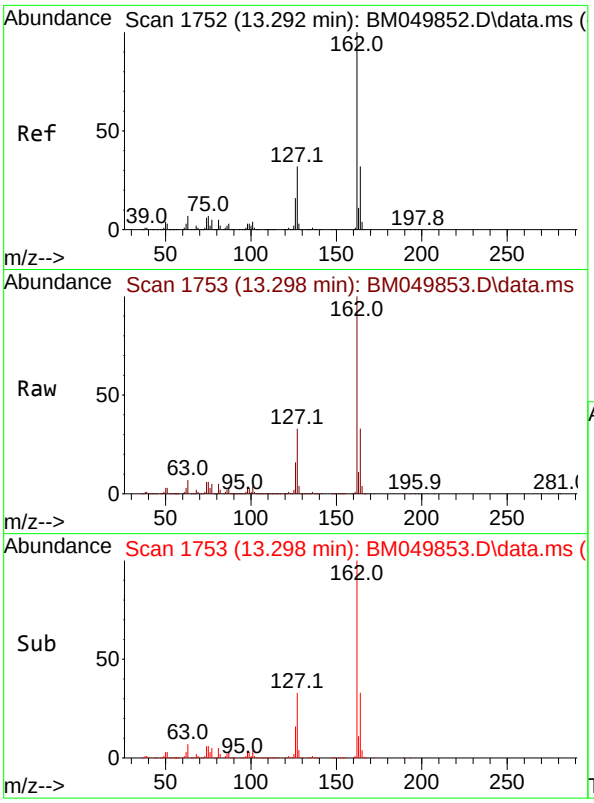


#46
1,1'-Biphenyl
Concen: 49.778 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:154 Resp: 2990362

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	10.2	0.0	30.7



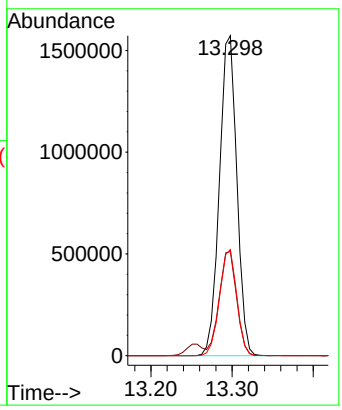


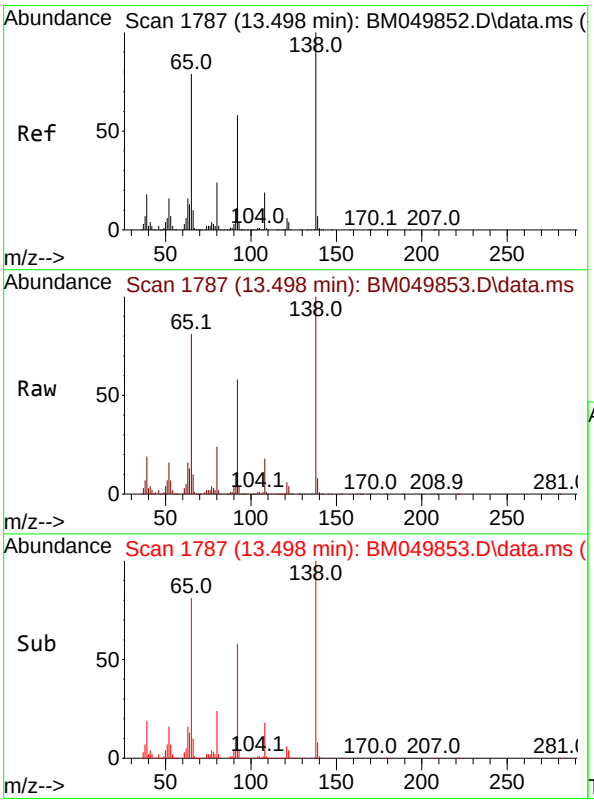
#47
2-Chloronaphthalene
Concen: 49.767 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2349832

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	33.2	25.9	38.9

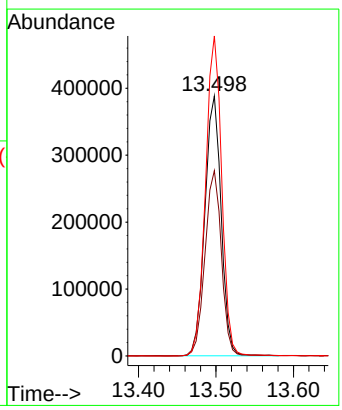


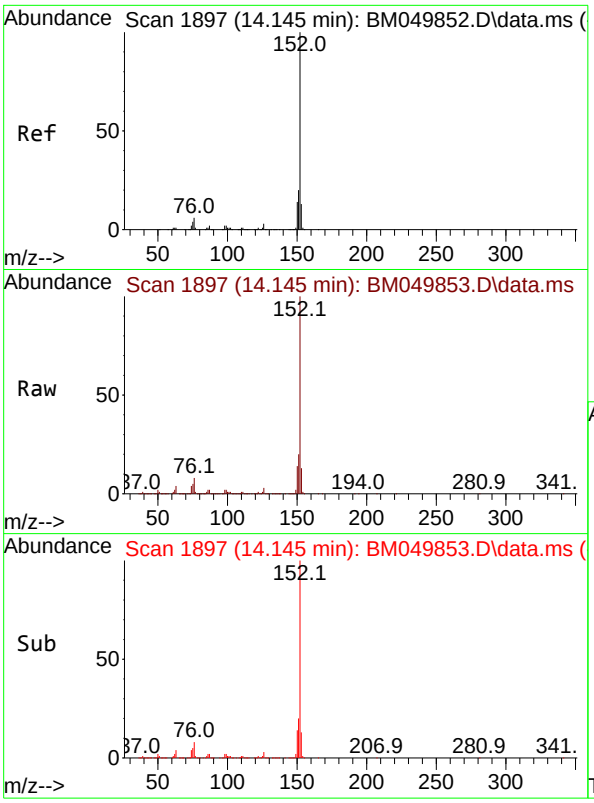


#48
2-Nitroaniline
Concen: 52.061 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 65 Resp: 568681

Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.4	87.6
138	123.1	100.8	151.2



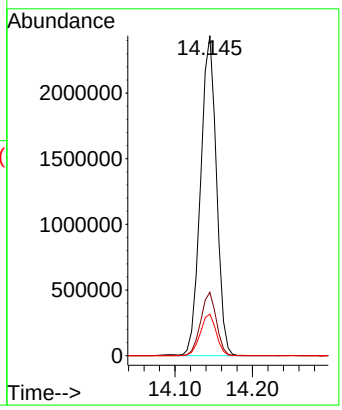


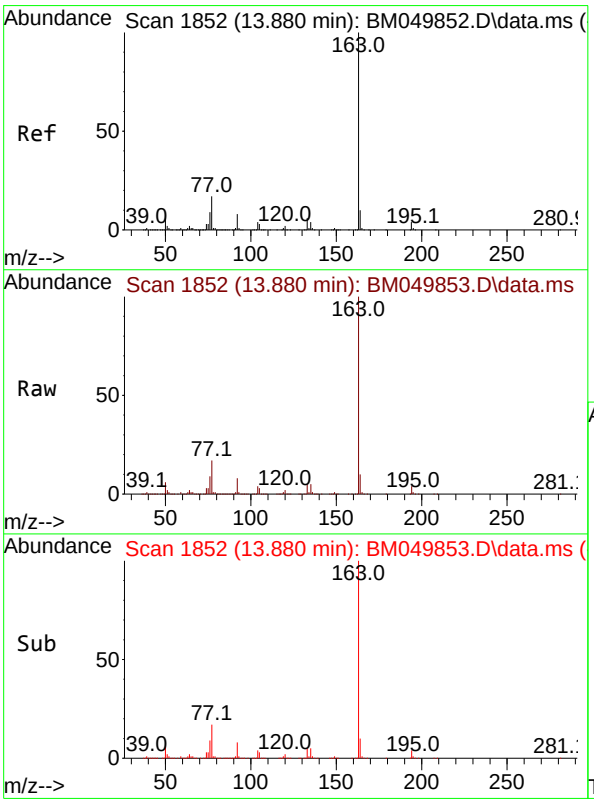
#49
Acenaphthylene
Concen: 50.260 ng
RT: 14.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3456837

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.4	15.6

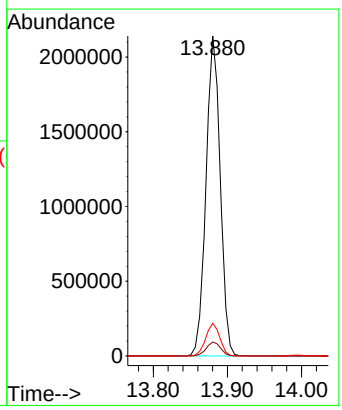


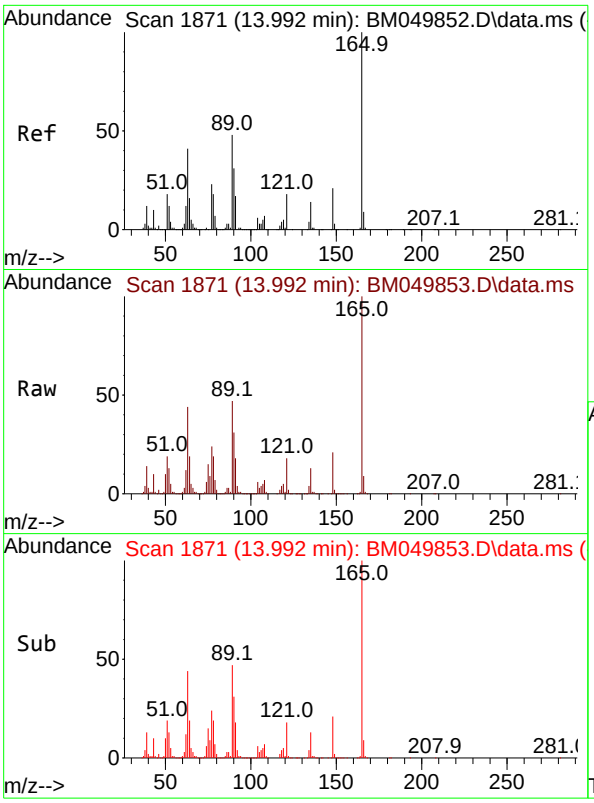


#50
Dimethylphthalate
Concen: 49.993 ng
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:163 Resp: 2850200

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	7.9	11.9



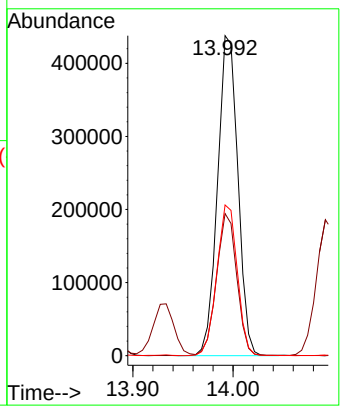


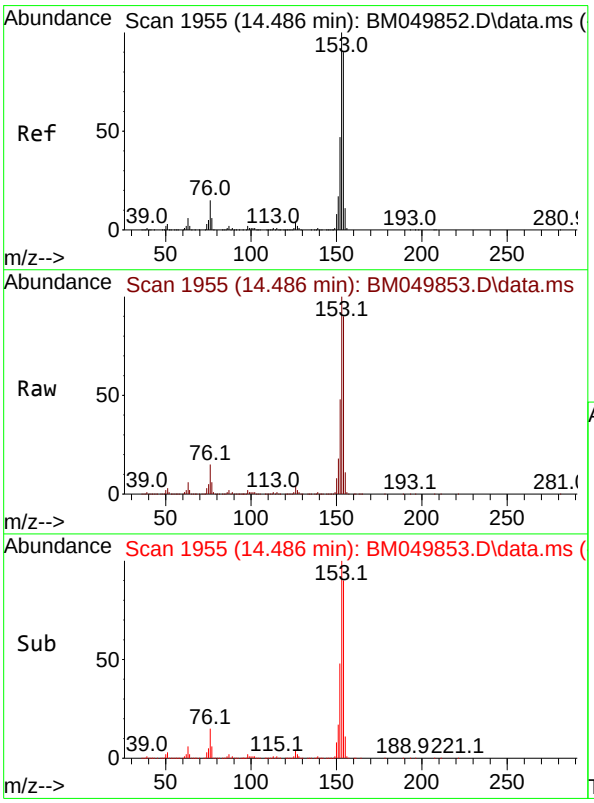
#51
2,6-Dinitrotoluene
Concen: 51.646 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 616905

Ion	Ratio	Lower	Upper
165	100		
63	44.4	36.1	54.1
89	47.1	38.3	57.5

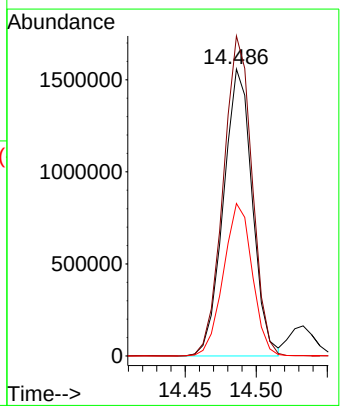


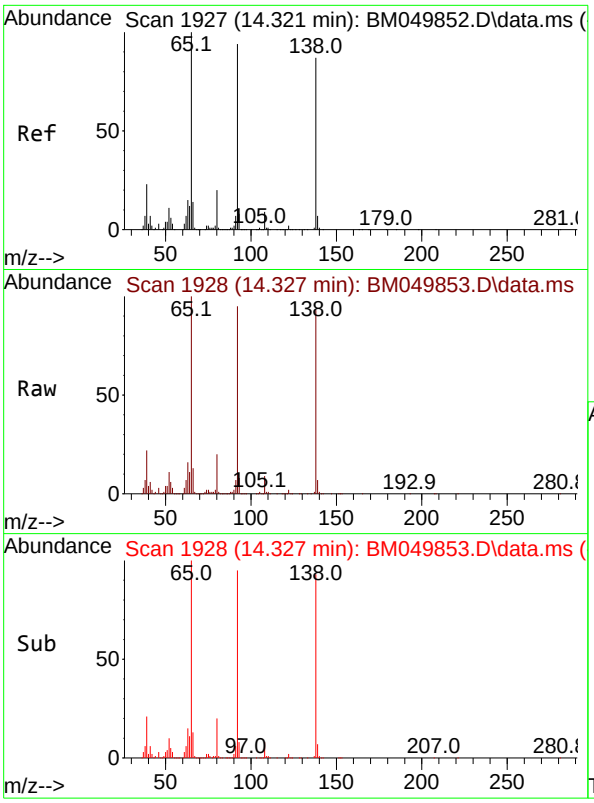


#52
Acenaphthene
Concen: 50.284 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:154 Resp: 2199854

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.3	133.9
152	53.2	42.2	63.2



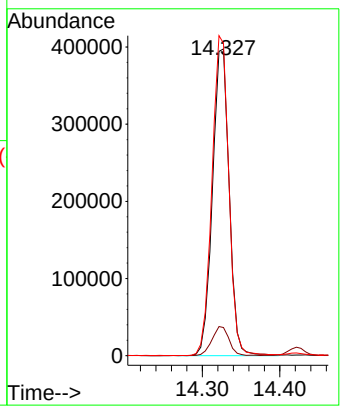


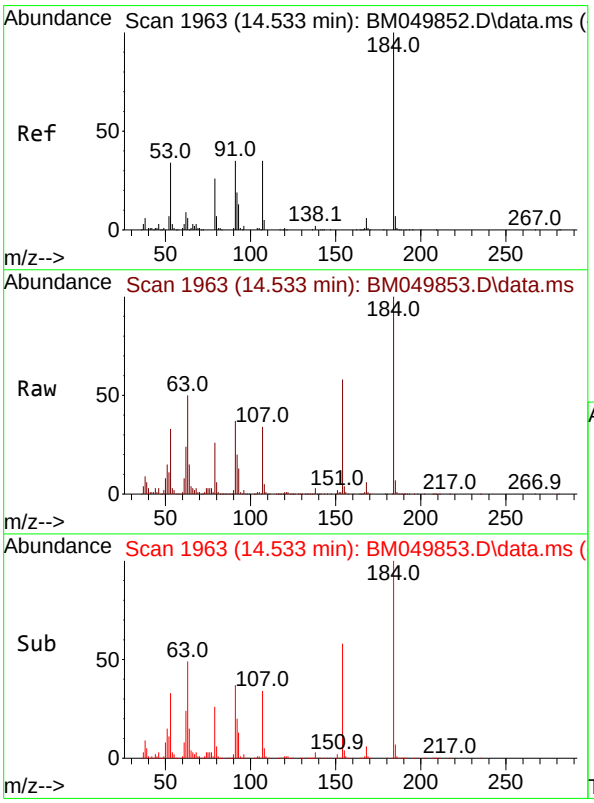
#53
3-Nitroaniline
Concen: 51.595 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 595646

Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.1	12.1
92	101.9	86.5	129.7

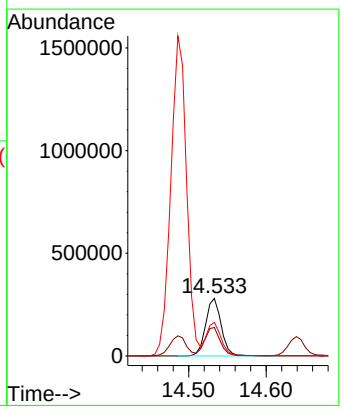


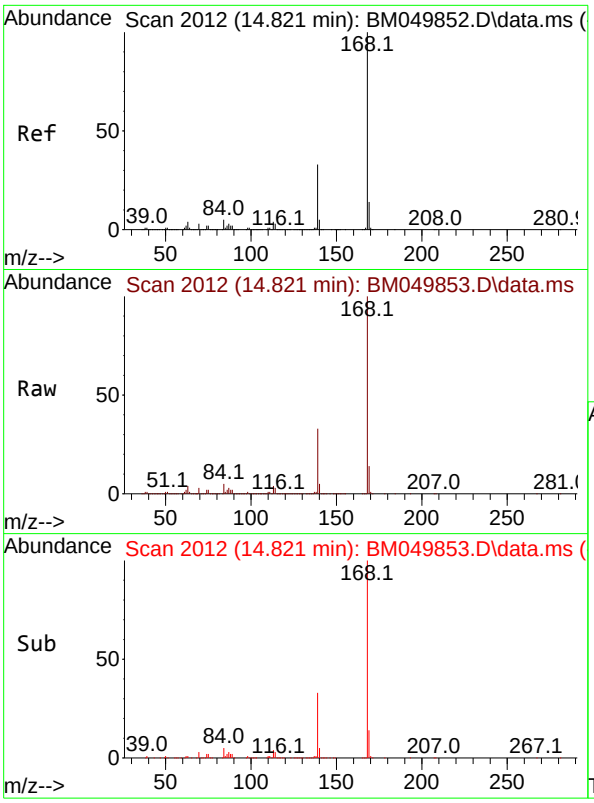


#54
2,4-Dinitrophenol
Concen: 48.434 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:184 Resp: 391855

Ion	Ratio	Lower	Upper
184	100		
63	49.5	38.4	57.6
154	58.3	48.1	72.1



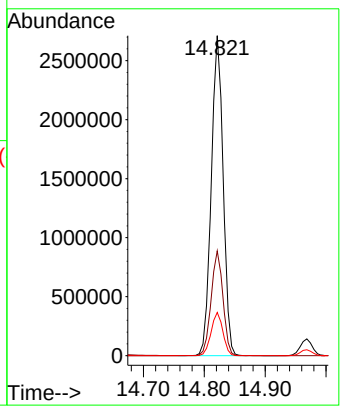


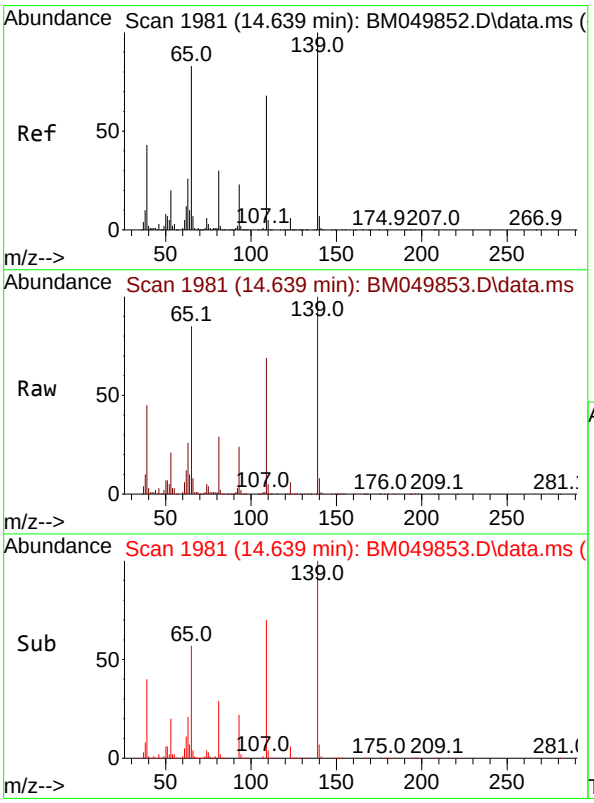
#55
Dibenzofuran
Concen: 50.151 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3667823

Ion	Ratio	Lower	Upper
168	100		
139	32.7	26.6	39.8
169	13.5	11.0	16.4

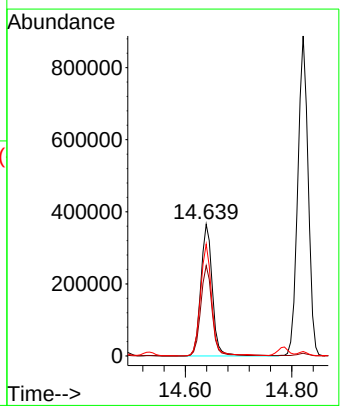


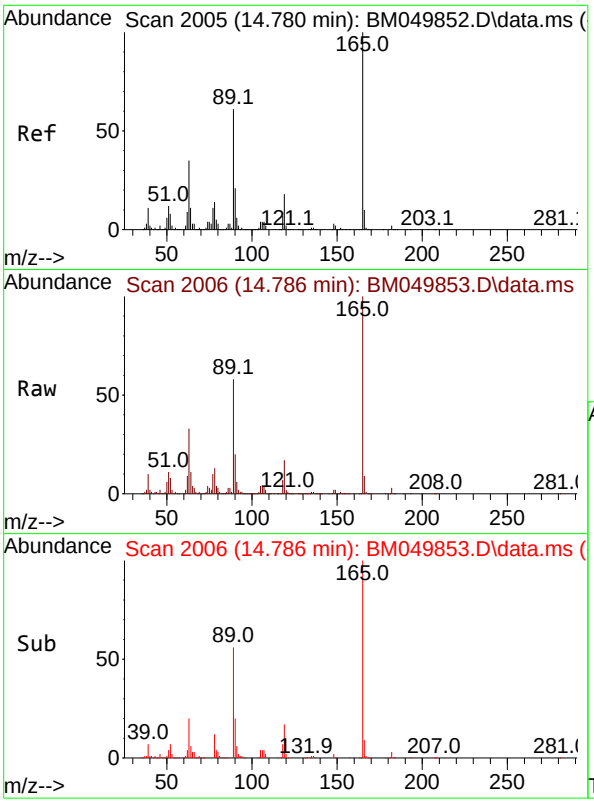


#56
4-Nitrophenol
Concen: 53.540 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:139 Resp: 550813

Ion	Ratio	Lower	Upper
139	100		
109	68.6	47.9	87.9
65	84.8	62.7	102.7



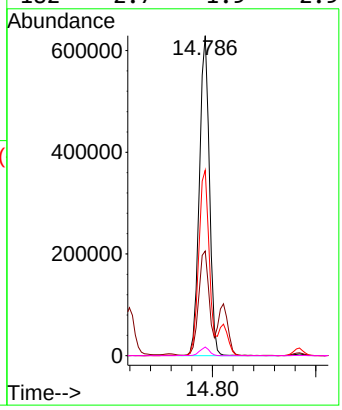


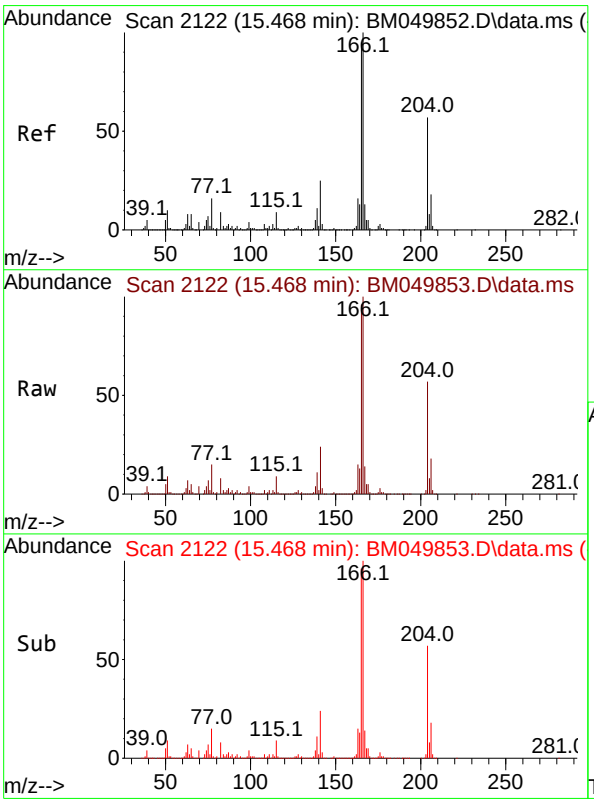
#57
2,4-Dinitrotoluene
Concen: 53.211 ng
RT: 14.786 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 847929

Ion	Ratio	Lower	Upper
165	100		
63	32.7	28.6	42.8
89	57.9	49.0	73.6
182	2.7	1.9	2.9

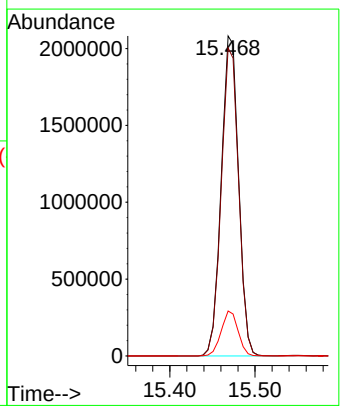


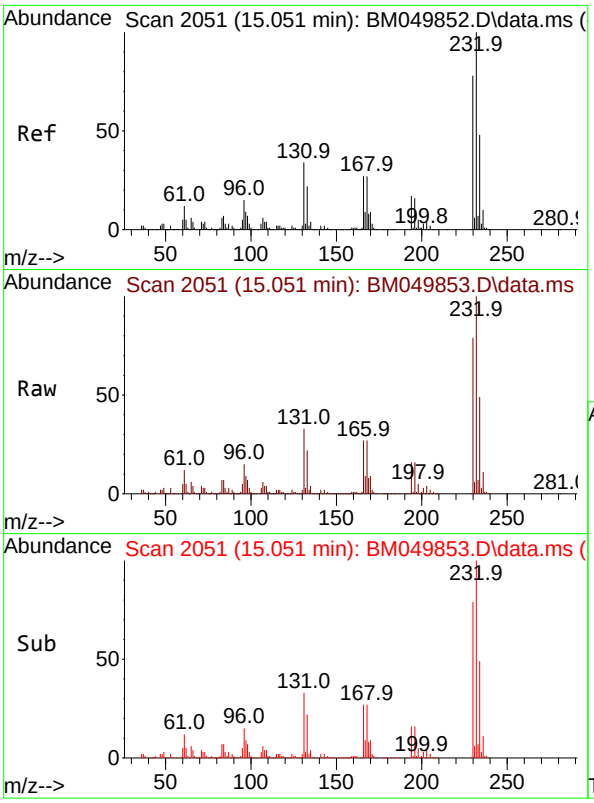


#58
Fluorene
Concen: 50.613 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:166 Resp: 2942325

Ion	Ratio	Lower	Upper
166	100		
165	96.3	76.3	114.5
167	14.0	10.7	16.1



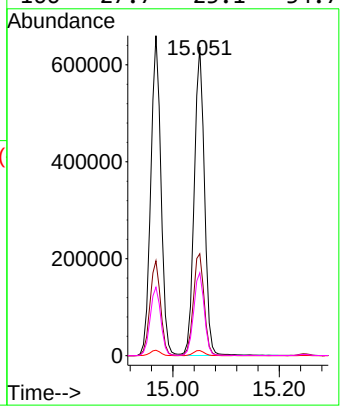


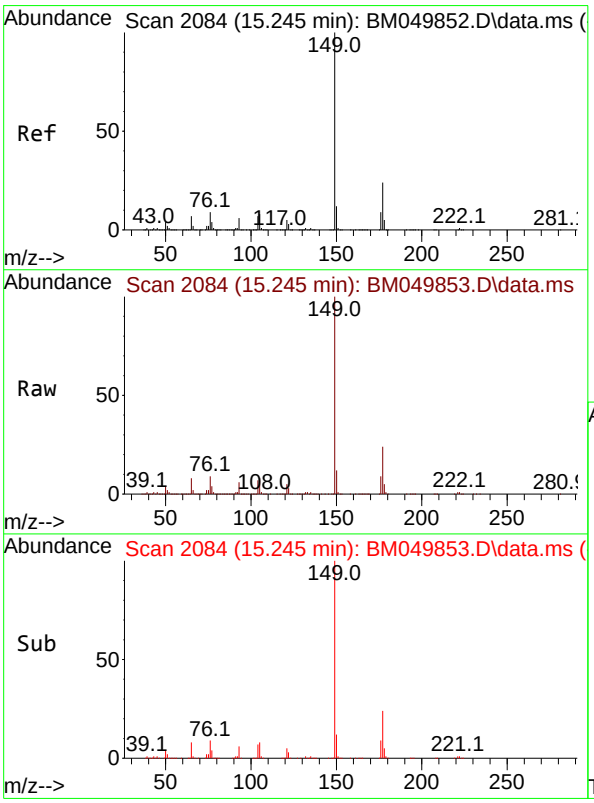
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.519 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 848529

Ion	Ratio	Lower	Upper
232	100		
131	34.7	28.4	42.6
130	1.8	1.6	2.4
166	27.7	23.1	34.7

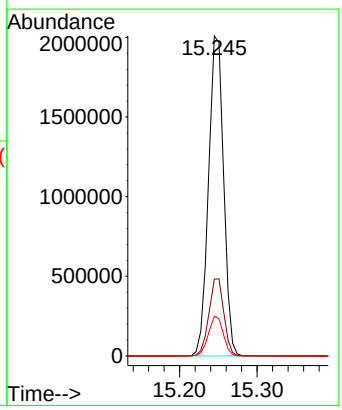


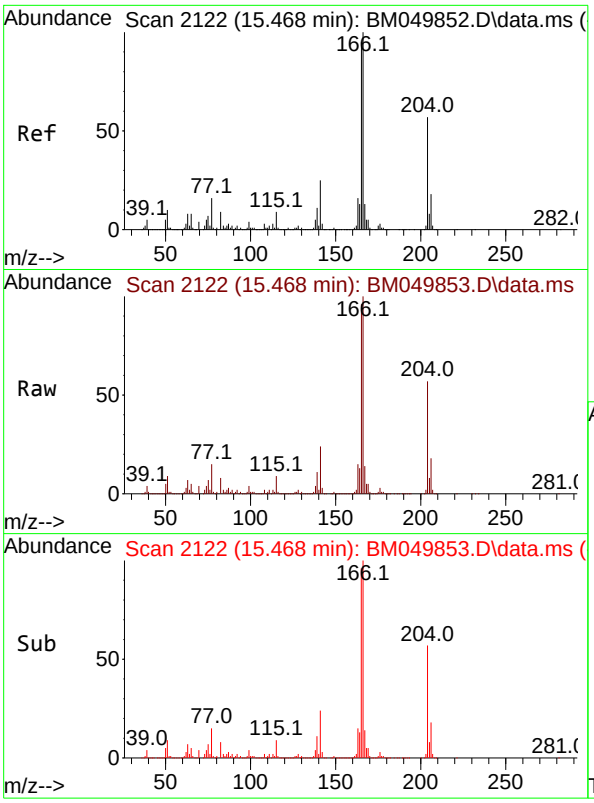


#60
Diethylphthalate
Concen: 49.792 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 2722291

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.5	9.7	14.5



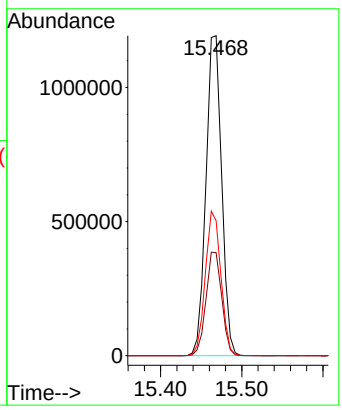


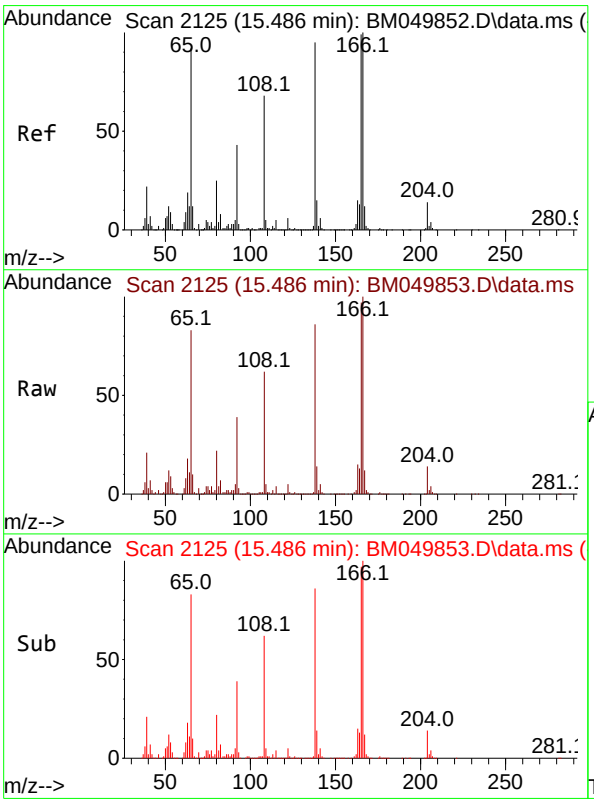
#61
4-Chlorophenyl-phenylether
Concen: 51.296 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1598783

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.2	39.2
141	42.2	35.0	52.6

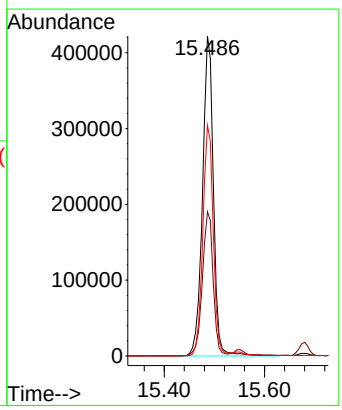


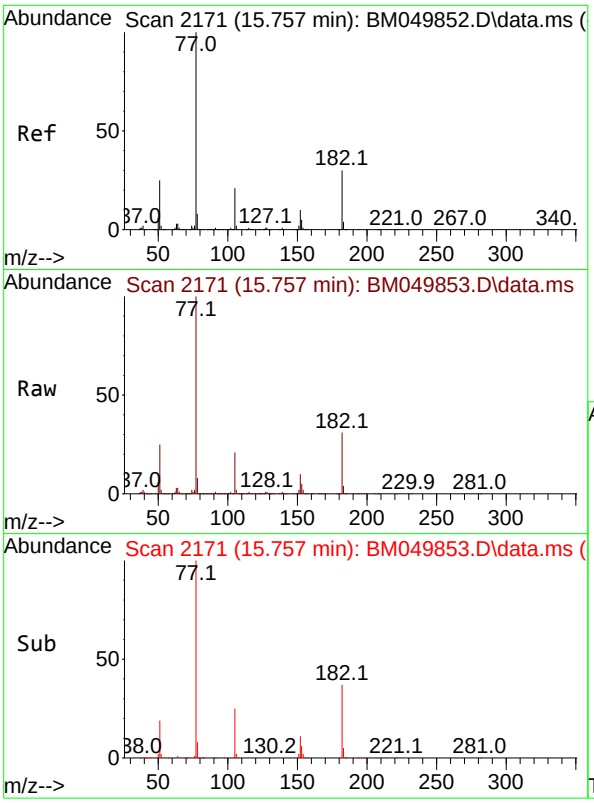


#62
4-Nitroaniline
Concen: 53.470 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:138 Resp: 638370

Ion	Ratio	Lower	Upper
138	100		
92	45.1	24.9	64.9
108	72.1	51.7	91.7



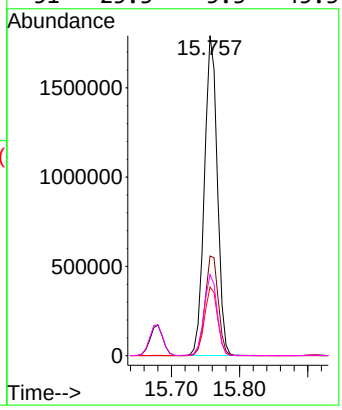


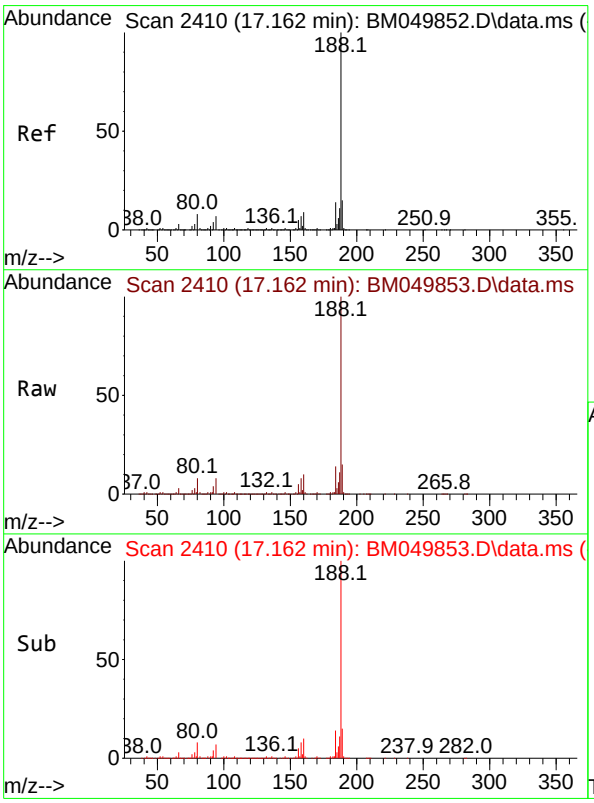
#63
Azobenzene
Concen: 50.372 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2357839

Ion	Ratio	Lower	Upper
77	100		
182	31.2	10.4	50.4
105	21.4	1.5	41.5
51	25.3	5.3	45.3

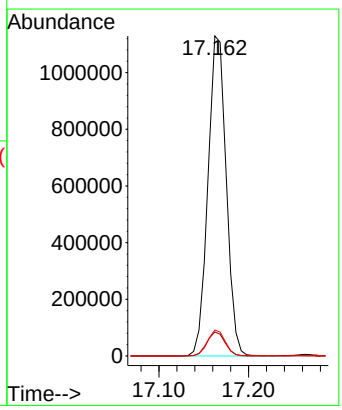


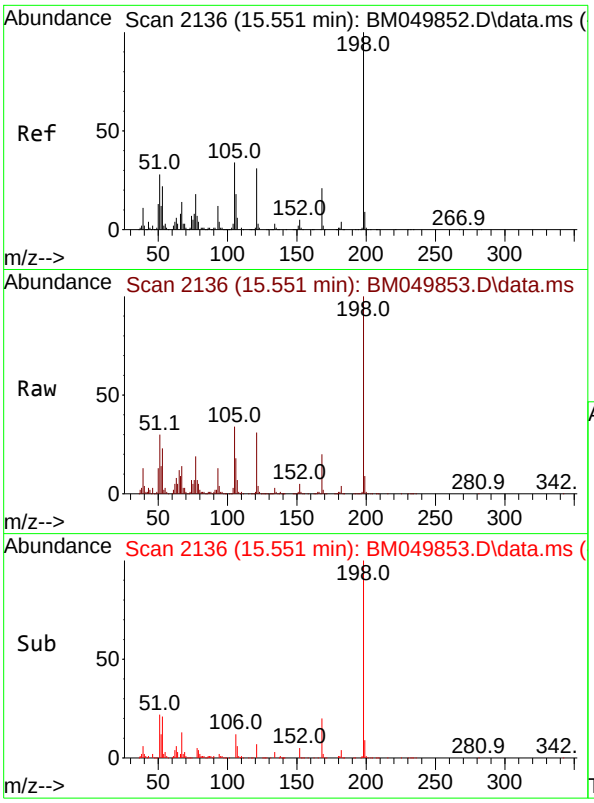


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:188 Resp: 1599813

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	8.1	6.4	9.6



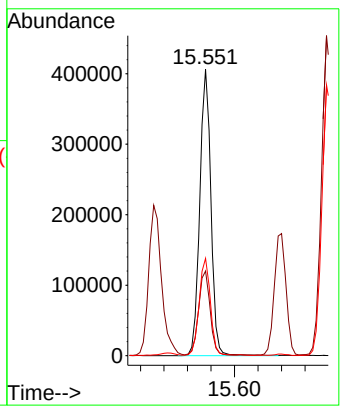


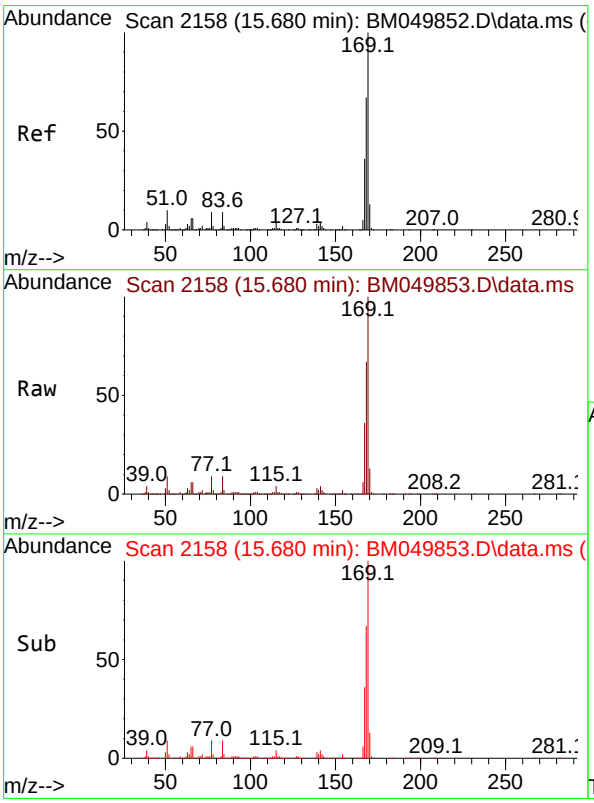
#65
4,6-Dinitro-2-methylphenol
Concen: 52.759 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 531880

Ion	Ratio	Lower	Upper
198	100		
51	29.6	9.6	49.6
105	34.0	14.7	54.7

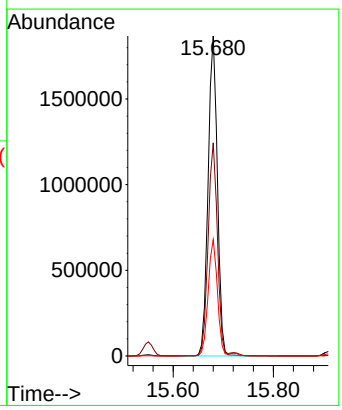


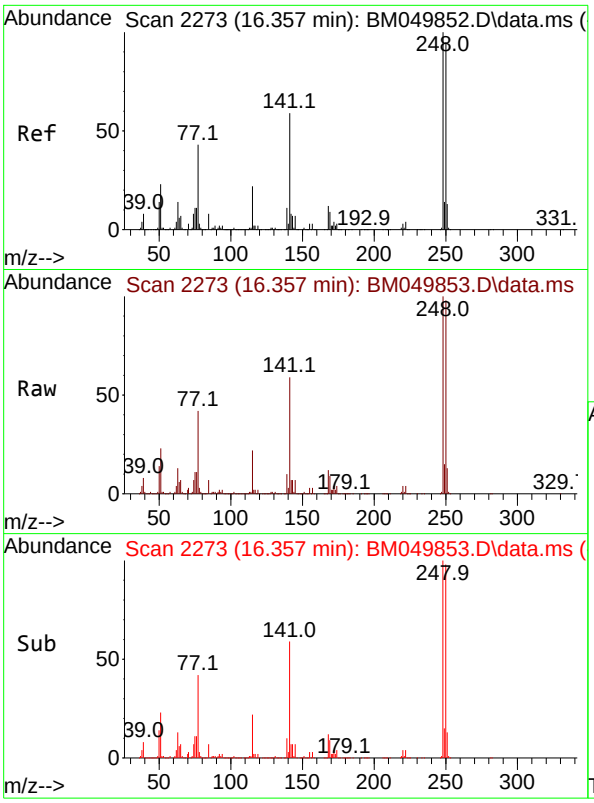


#66
n-Nitrosodiphenylamine
Concen: 50.273 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:169 Resp: 2406908

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.4	29.0	43.6



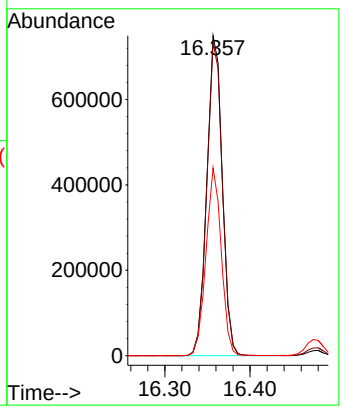


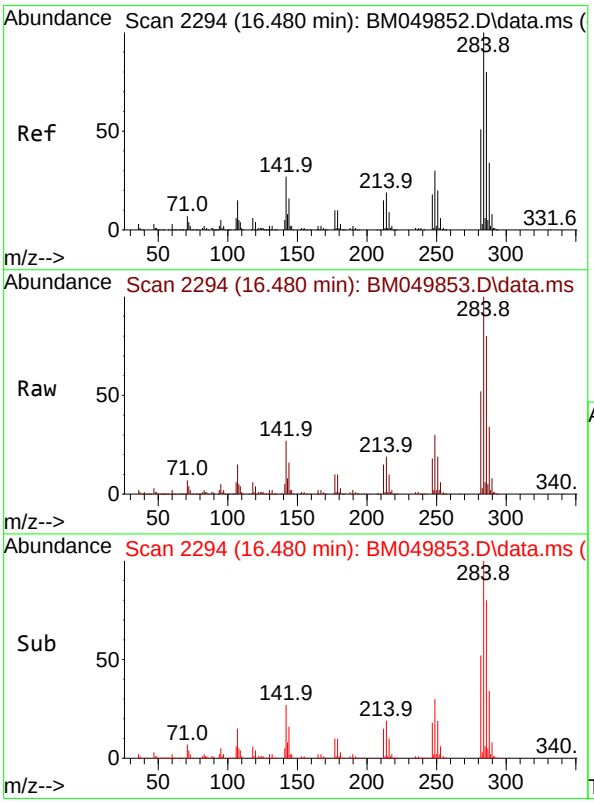
#67
4-Bromophenyl-phenylether
Concen: 50.970 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 946616

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.2	114.2
141	58.7	47.3	70.9

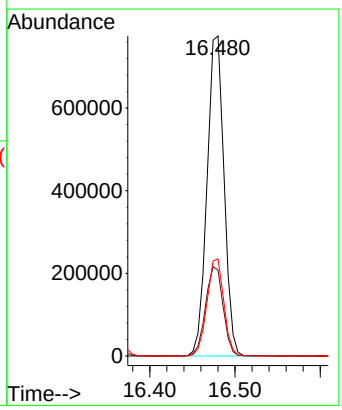


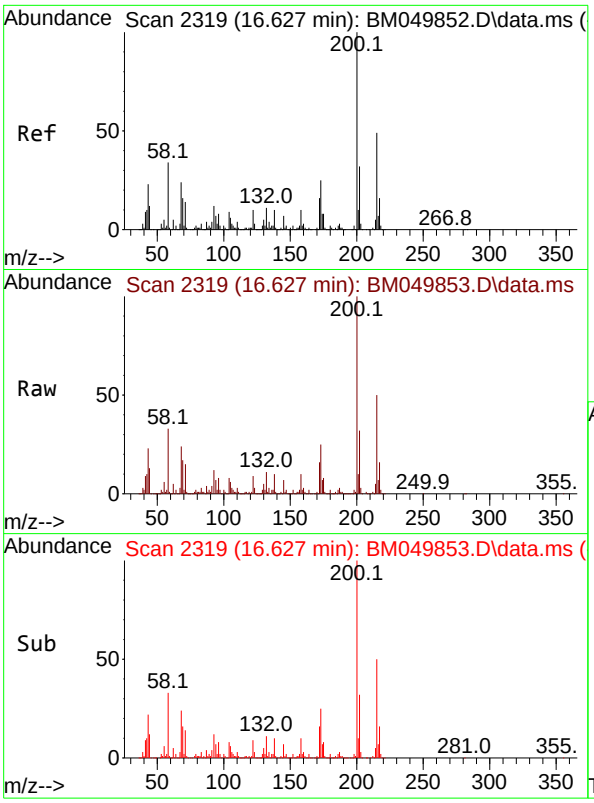


#68
Hexachlorobenzene
Concen: 50.357 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:284 Resp: 1072736

Ion	Ratio	Lower	Upper
284	100		
142	26.8	21.2	31.8
249	30.3	24.1	36.1



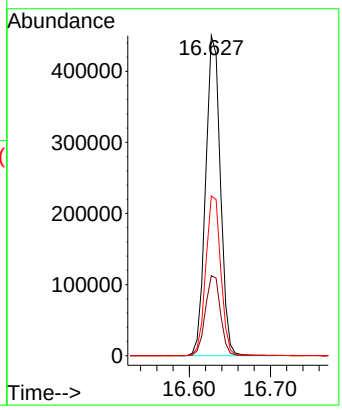


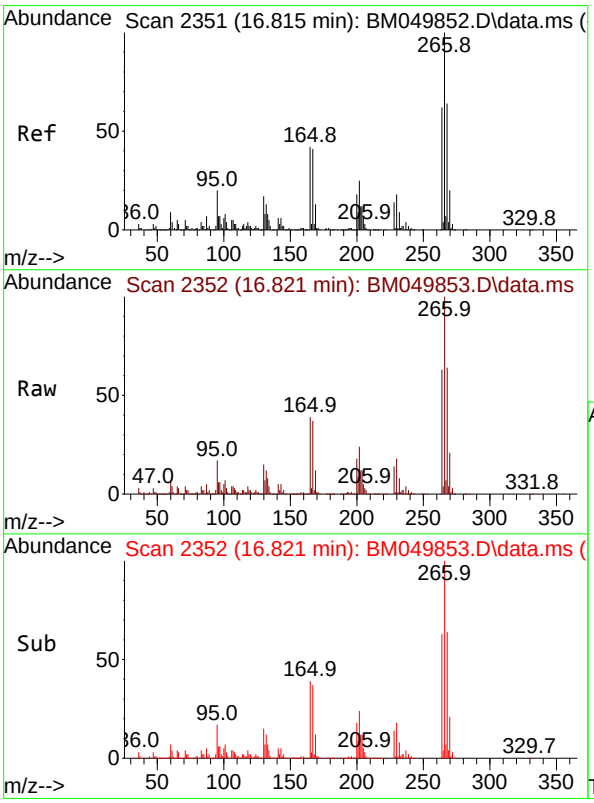
#69
Atrazine
Concen: 45.708 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 567392

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.4	45.4
215	49.9	29.0	69.0

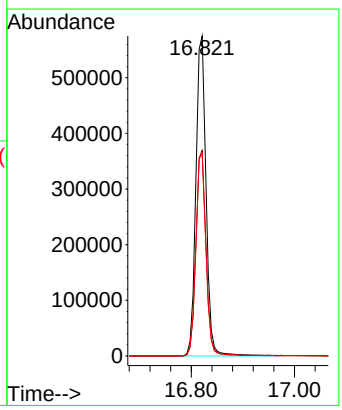


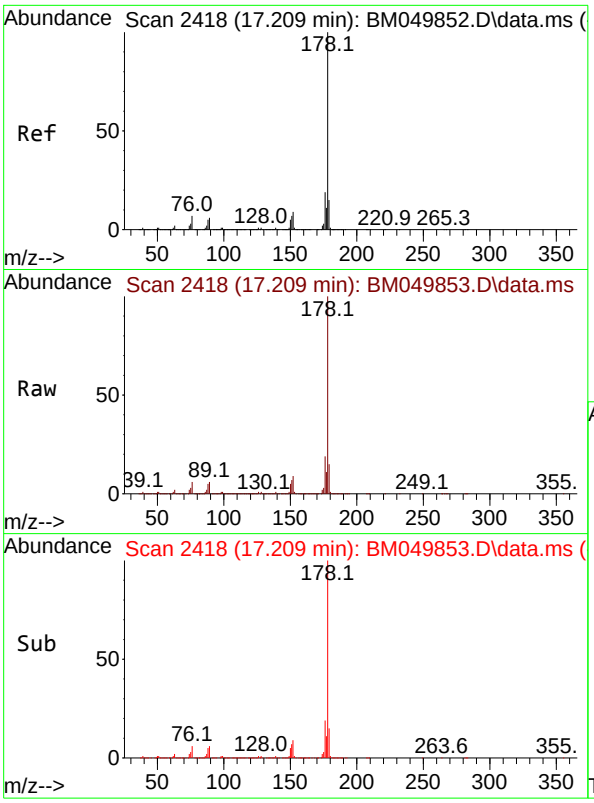


#70
Pentachlorophenol
Concen: 50.132 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:266 Resp: 786228

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.2
264	63.0	49.8	74.8



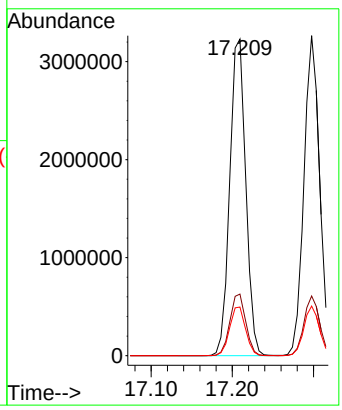


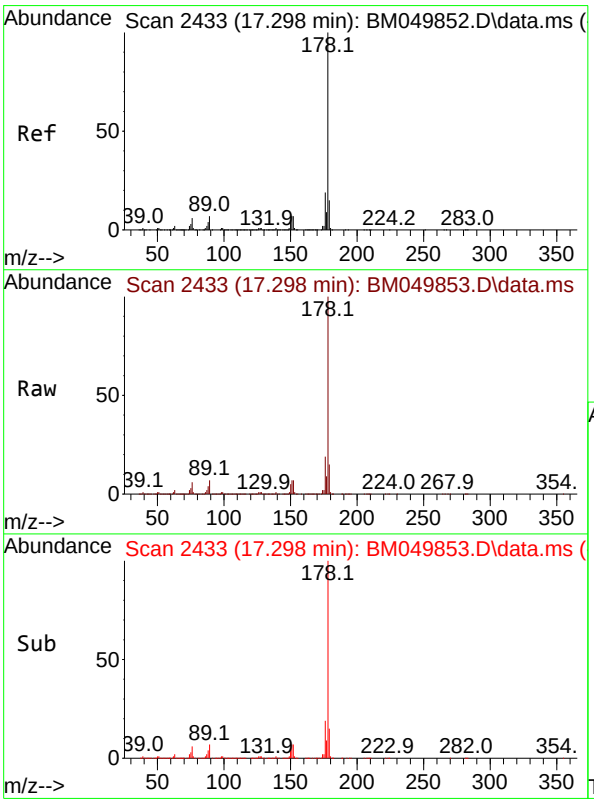
#71
Phenanthrene
Concen: 50.352 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4416317

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.4	12.3	18.5

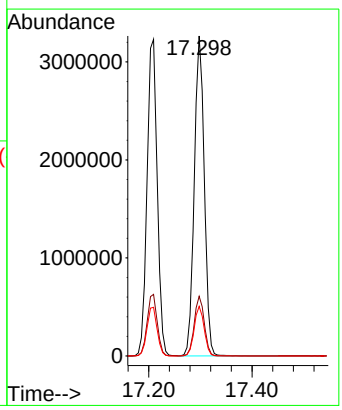


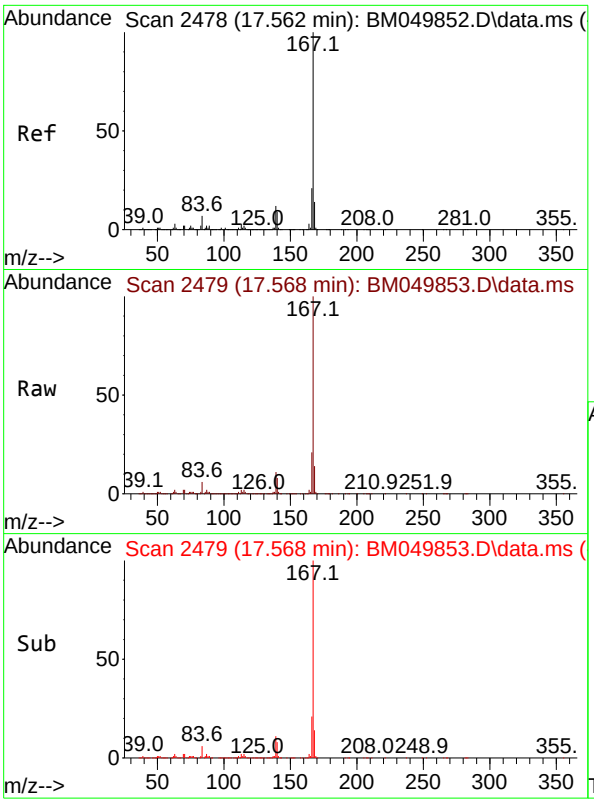


#72
Anthracene
Concen: 50.841 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:178 Resp: 4394410

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.5	12.4	18.6



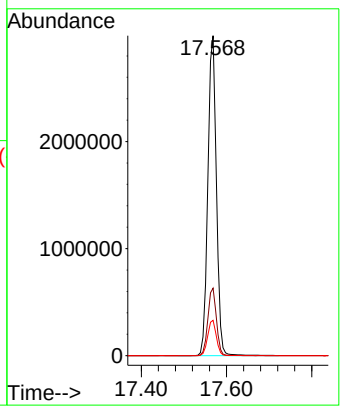


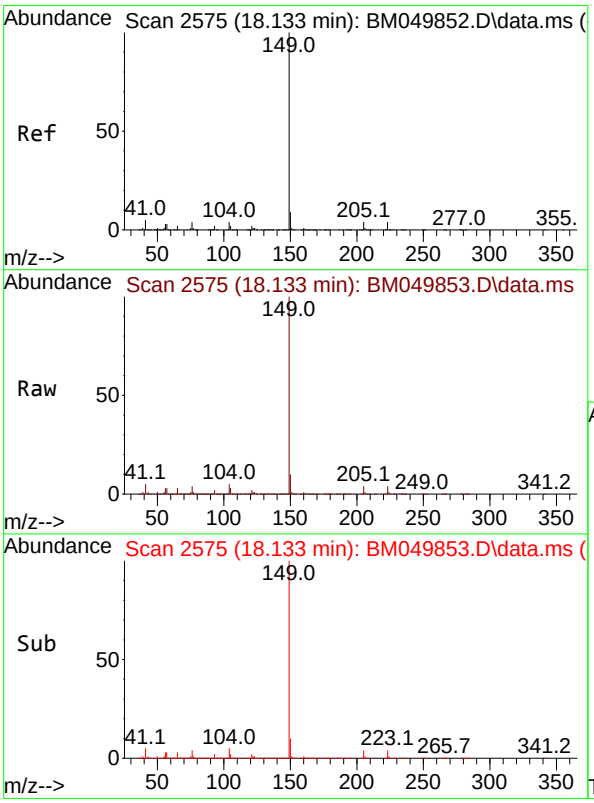
#73
Carbazole
Concen: 50.973 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4149752

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.1	9.3	13.9

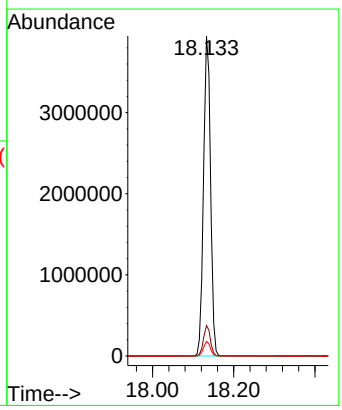


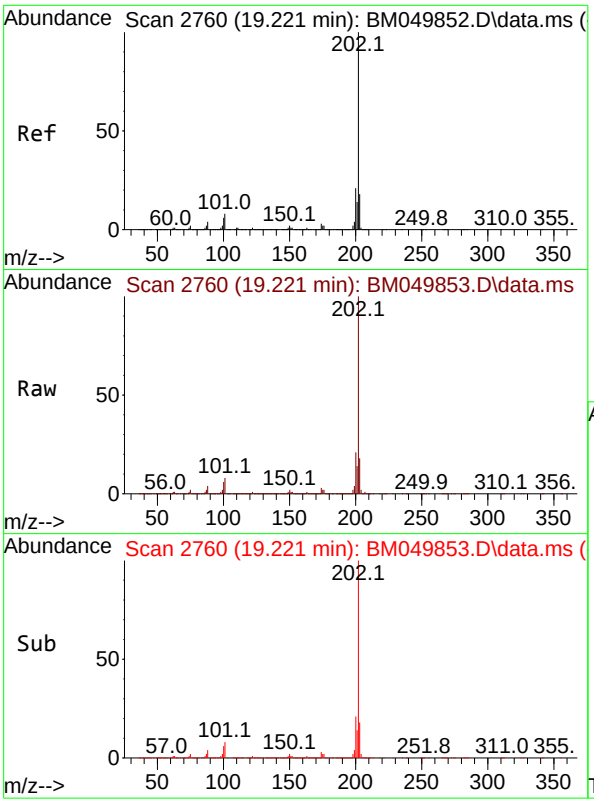


#74
Di-n-butylphthalate
Concen: 50.149 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 4702392

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.5	3.5	5.3



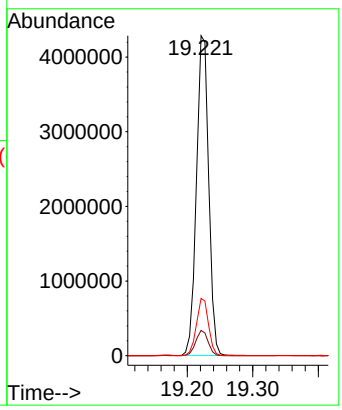


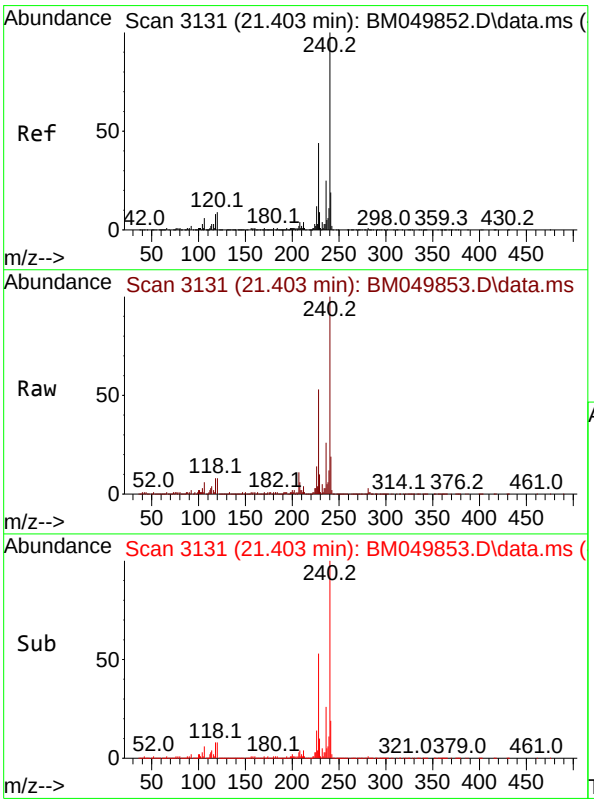
#75
Fluoranthene
Concen: 51.729 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 5578449

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.9	0.0	37.8

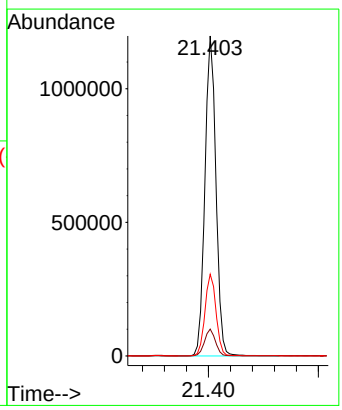


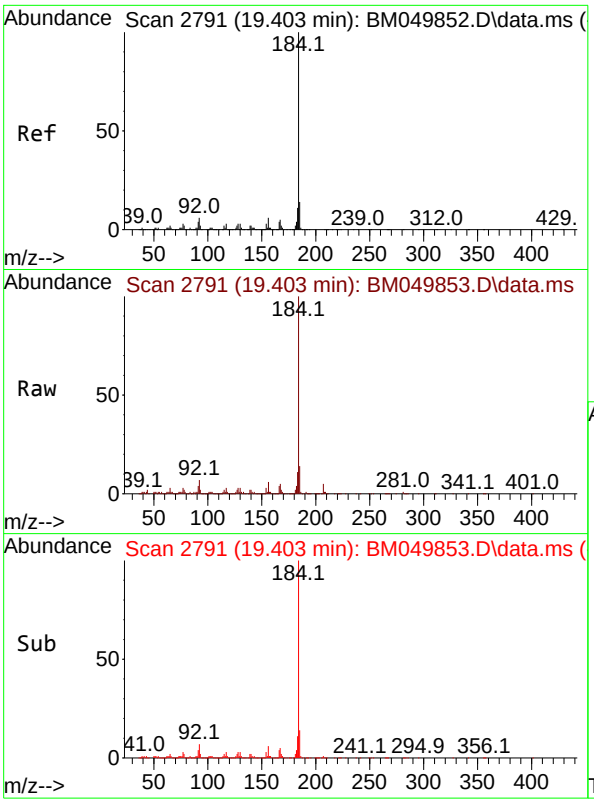


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:240 Resp: 1661195

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.6	20.4	30.6



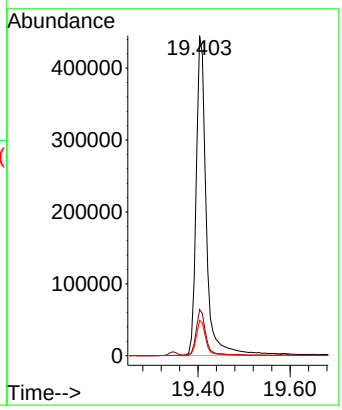


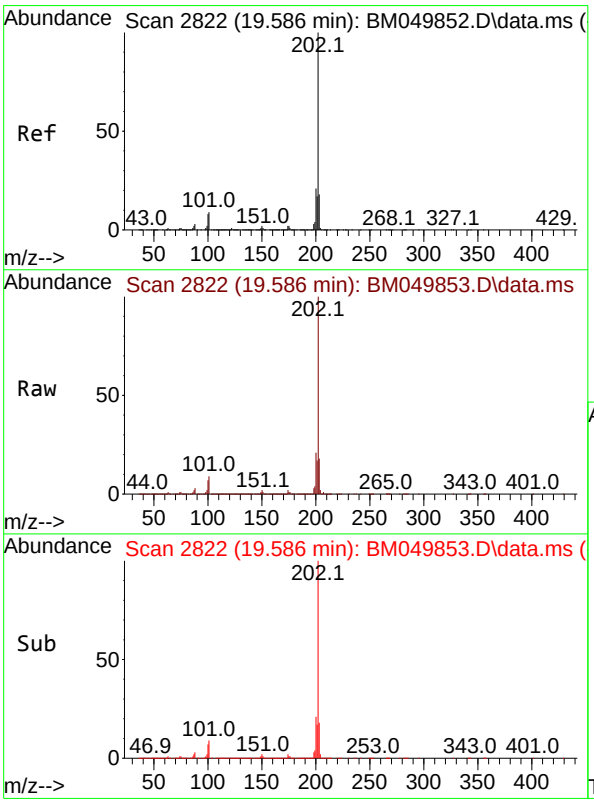
#77
Benzidine
Concen: 30.737 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 677381

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.0	8.8	13.2

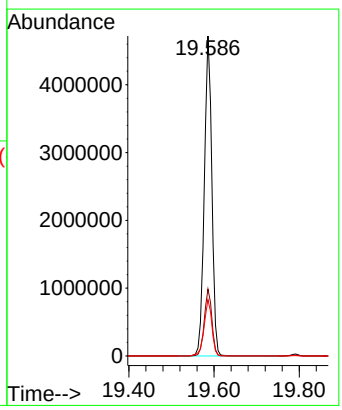


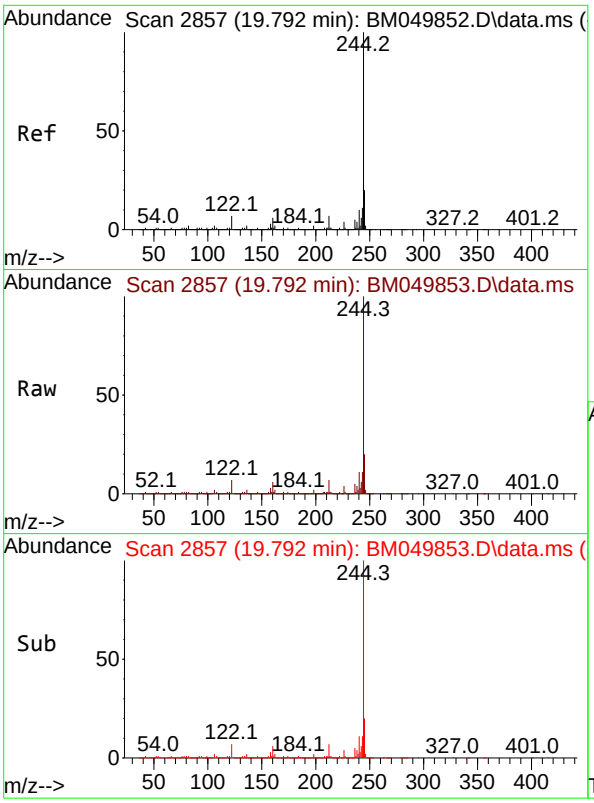


#78
Pyrene
Concen: 50.533 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:202 Resp: 5785386

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.6	14.0	21.0



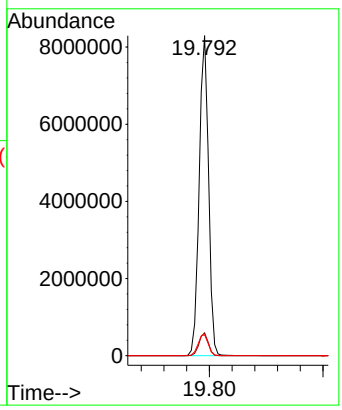


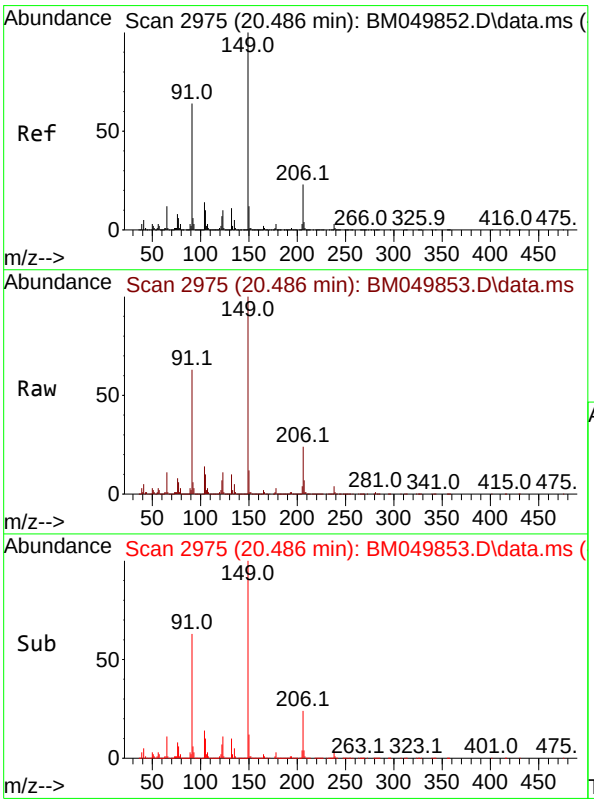
#79
Terphenyl-d14
Concen: 106.980 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 9482895

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	6.5	5.4	8.0

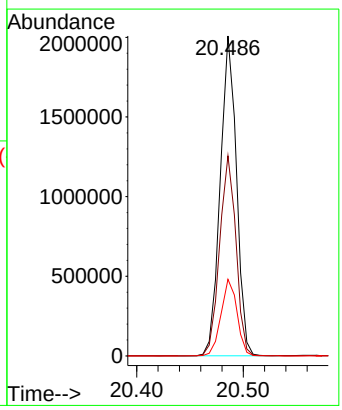


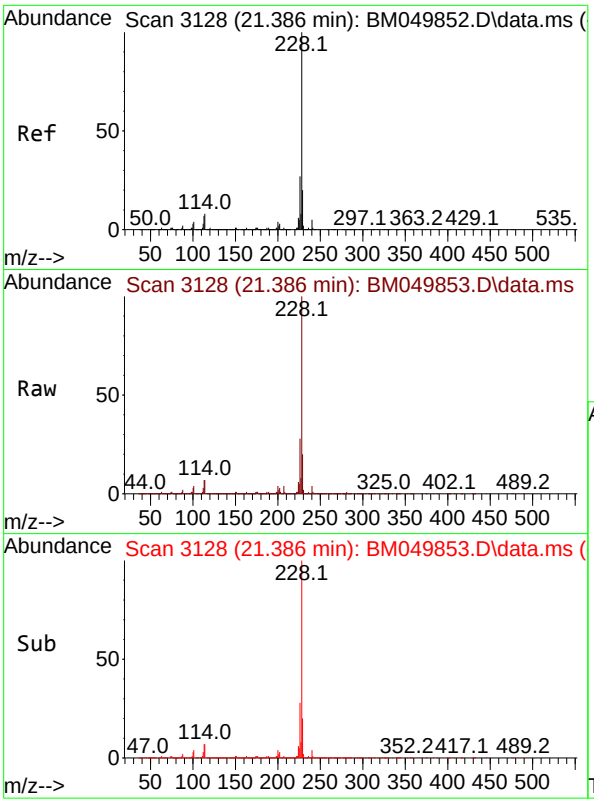


#80
Butylbenzylphthalate
Concen: 49.311 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 2121299

Ion	Ratio	Lower	Upper
149	100		
91	62.5	50.9	76.3
206	23.9	18.4	27.6



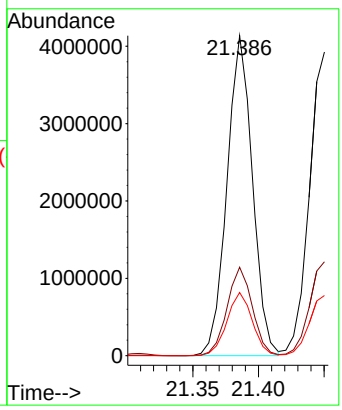


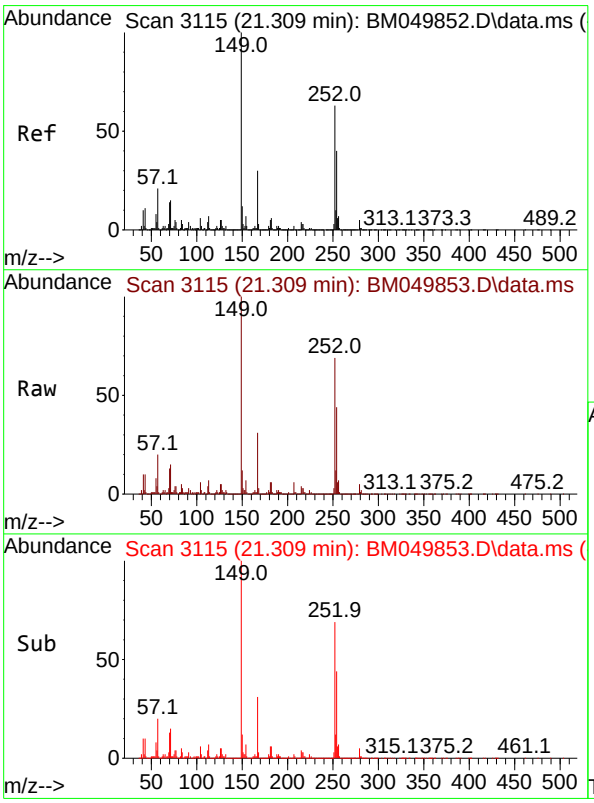
#81
Benzo(a)anthracene
Concen: 50.600 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5586396

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	19.8	15.8	23.8

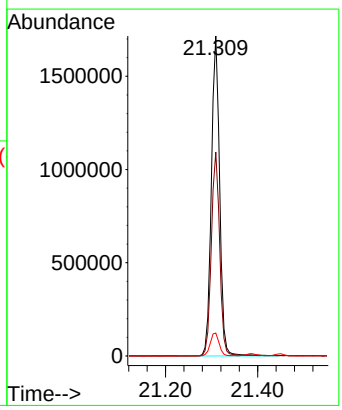


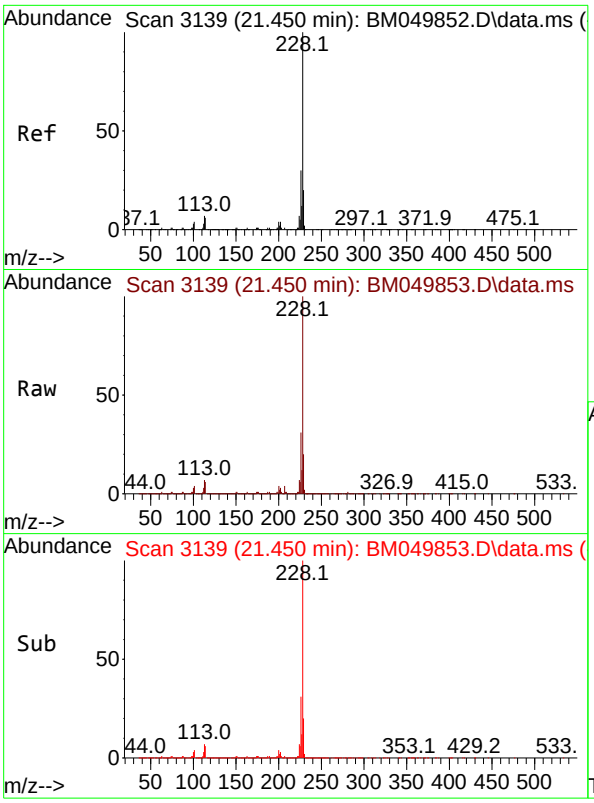


#82
3,3'-Dichlorobenzidine
Concen: 51.399 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 2142953

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	7.1	6.3	9.5



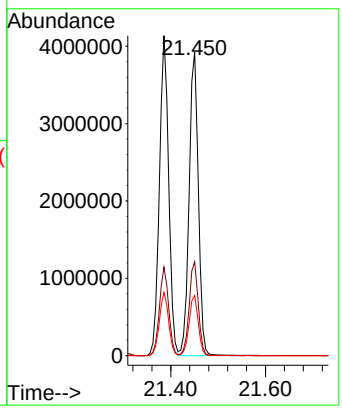


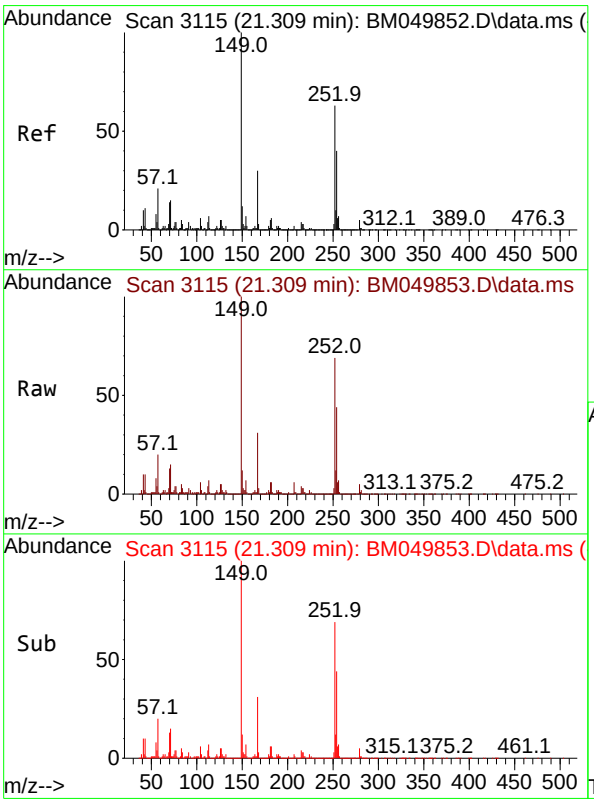
#83
Chrysene
Concen: 50.547 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5305401

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	19.8	15.8	23.6

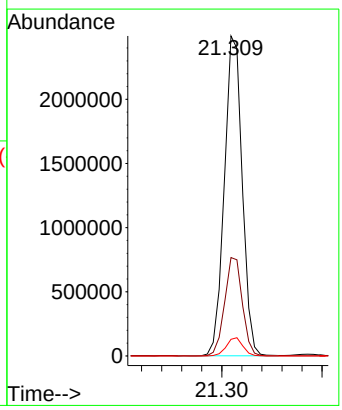


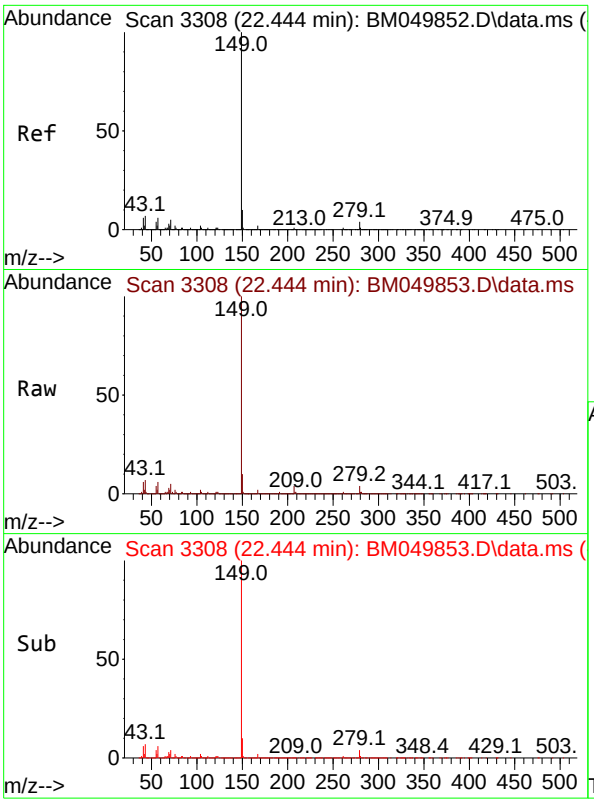


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.035 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 3073374

Ion	Ratio	Lower	Upper
149	100		
167	30.8	23.8	35.6
279	5.2	3.8	5.8



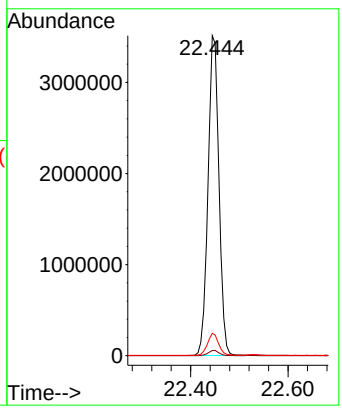


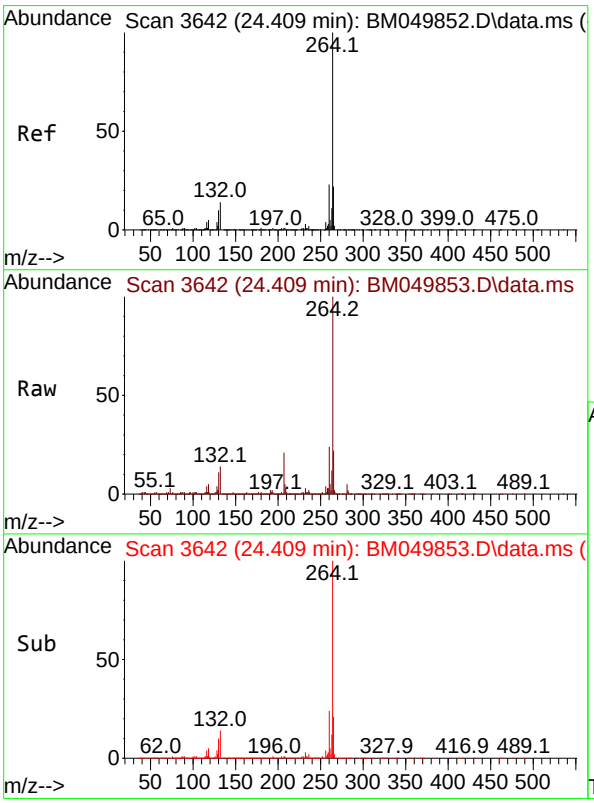
#85
Di-n-octyl phthalate
Concen: 49.516 ng
RT: 22.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5429342

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

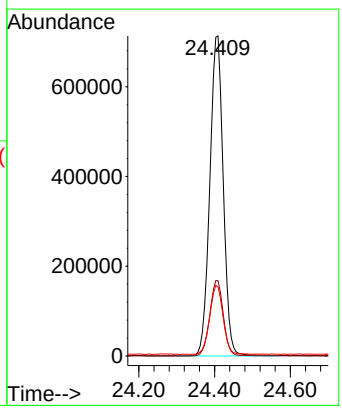


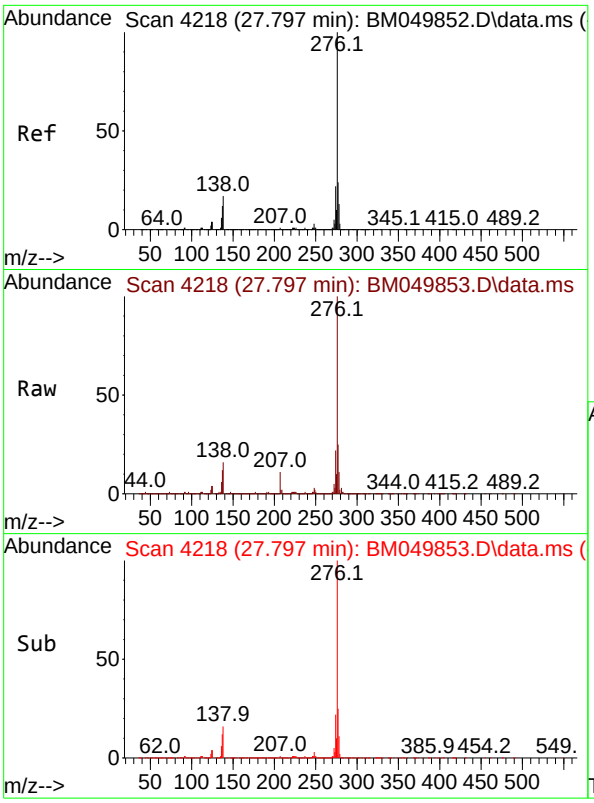


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:264 Resp: 1751474

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.6	17.8	26.8



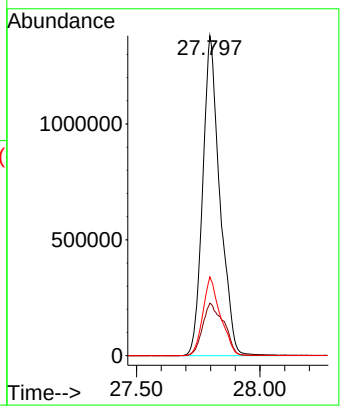


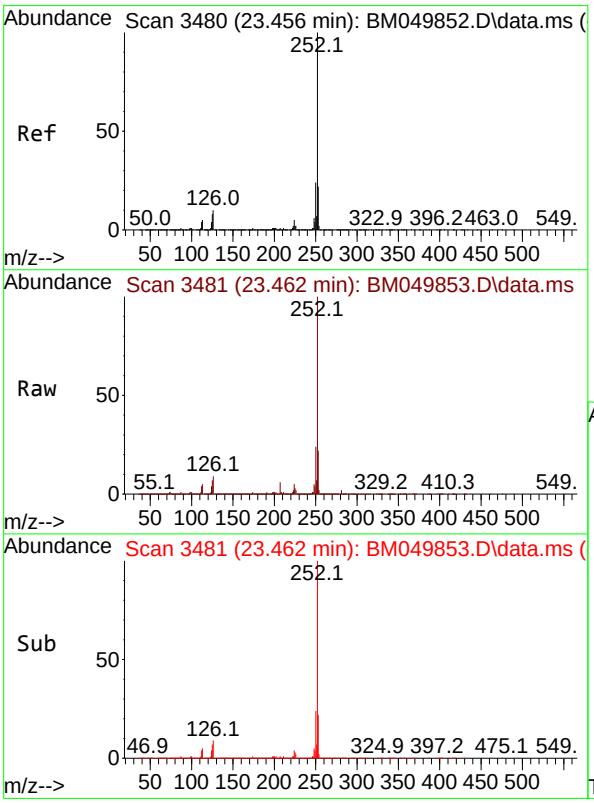
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.094 ng
RT: 27.797 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 6670738

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.8	25.2
277	25.2	20.1	30.1

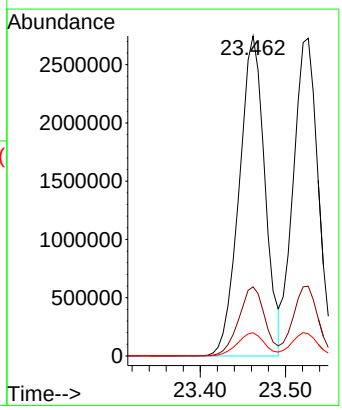


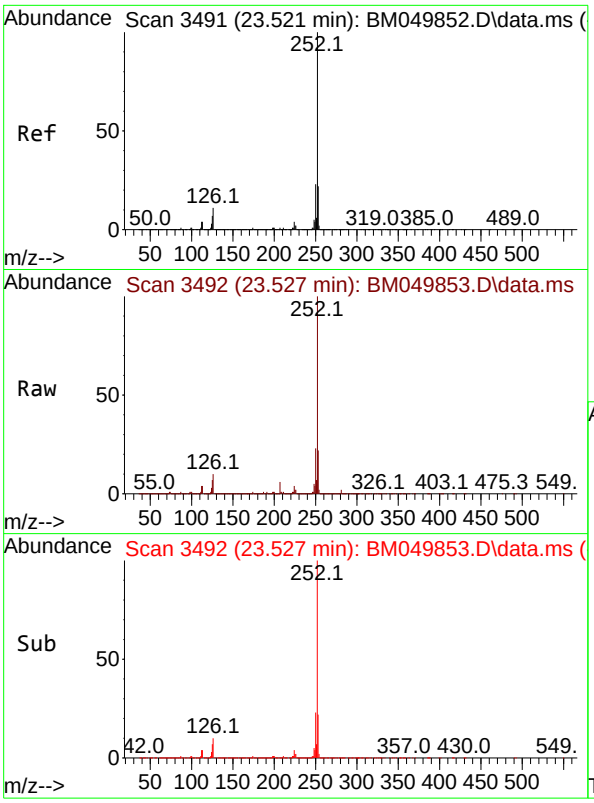


#88
Benzo(b)fluoranthene
Concen: 51.416 ng
RT: 23.462 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 5751381

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	7.2	6.2	9.4



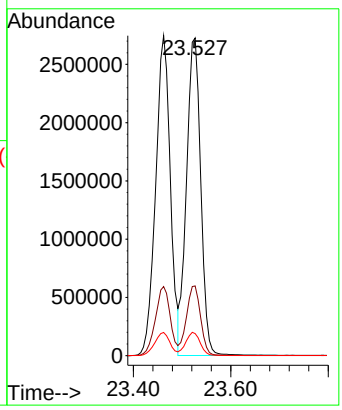


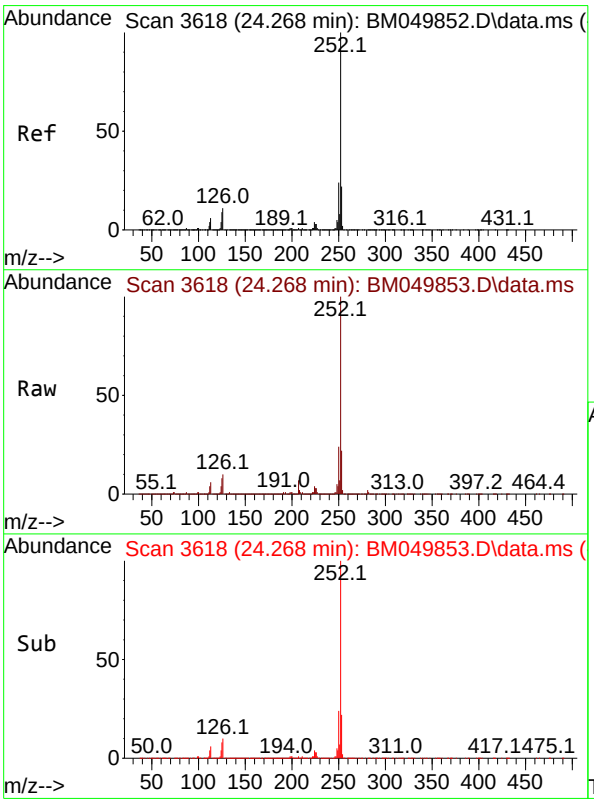
#89
Benzo(k)fluoranthene
Concen: 51.024 ng
RT: 23.527 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 5530993

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.0	5.8	8.8

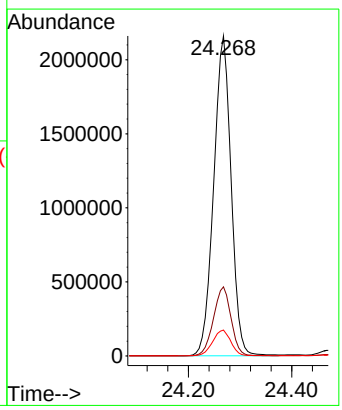


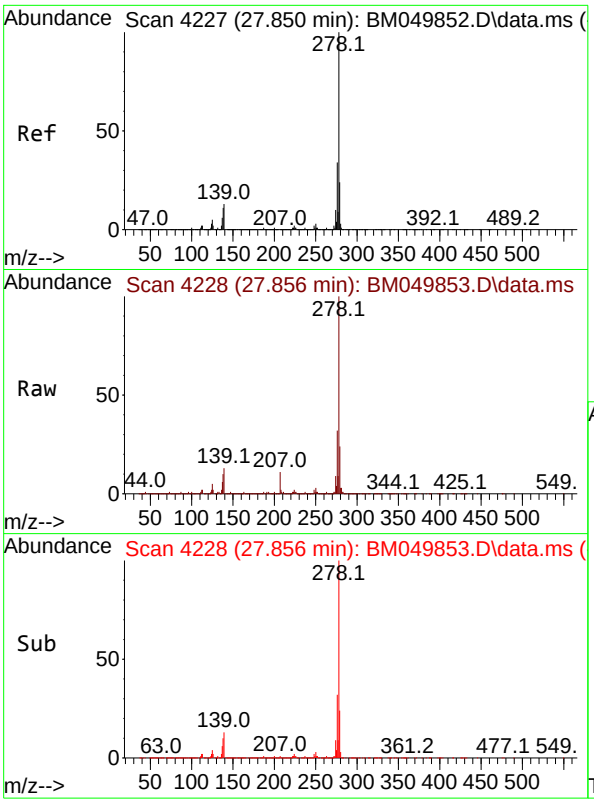


#90
Benzo(a)pyrene
Concen: 51.404 ng
RT: 24.268 min Scan# 3618
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 5052750

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	8.1	7.0	10.4



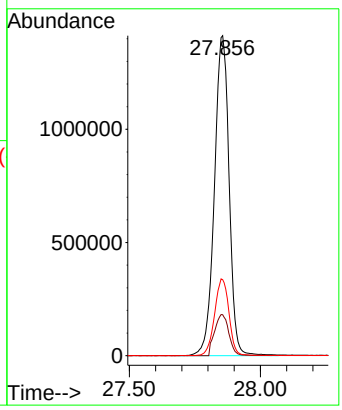


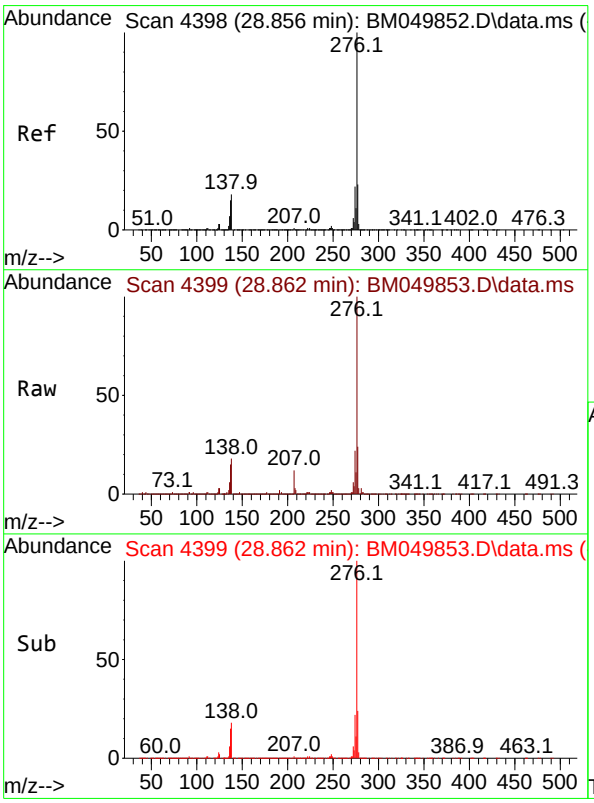
#91
Dibenzo(a,h)anthracene
Concen: 51.229 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 5509091

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.6	15.8
279	23.8	19.1	28.7

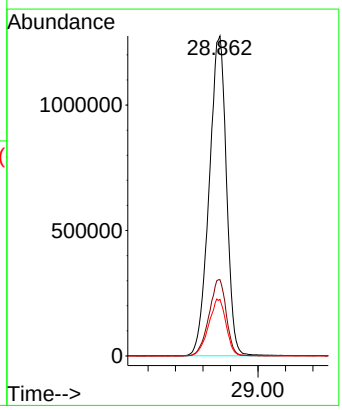




#92
Benzo(g,h,i)perylene
Concen: 50.555 ng
RT: 28.862 min Scan# 4399
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:276 Resp: 5555532

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	17.7	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	401721	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1393866	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	925425	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1882039	20.000	ng	0.00
76) Chrysene-d12	21.403	240	2018201	20.000	ng	0.00
86) Perylene-d12	24.403	264	2103239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2915551	123.240	ng	0.00
7) Phenol-d6	6.957	99	3719224	126.357	ng	0.00
23) Nitrobenzene-d5	8.939	82	3092938	123.564	ng	0.00
42) 2,4,6-Tribromophenol	15.915	330	1794801	133.337	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8226257	120.538	ng	0.00
79) Terphenyl-d14	19.792	244	12189474	113.188	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	567230	58.219	ng	99
3) Pyridine	3.663	79	1539926m	60.181	ng	
4) n-Nitrosodimethylamine	3.569	42	602879	61.887	ng	99
6) Aniline	7.110	93	1376743	54.586	ng	99
8) 2-Chlorophenol	7.351	128	1492657	61.567	ng	98
9) Benzaldehyde	6.916	77	844385	55.949	ng	98
10) Phenol	6.981	94	1803027	62.772	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1398201	62.074	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1736609	60.586	ng	99
13) 1,4-Dichlorobenzene	7.816	146	1753895	60.812	ng	99
14) 1,2-Dichlorobenzene	8.133	146	1638164	60.303	ng	99
15) Benzyl Alcohol	8.022	79	1196792	64.570	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1519404	60.520	ng	99
17) 2-Methylphenol	8.228	107	1109262	62.667	ng	99
18) Hexachloroethane	8.863	117	603367	60.131	ng	95
19) n-Nitroso-di-n-propyla...	8.592	70	1035835	63.539	ng	97
20) 3+4-Methylphenols	8.557	107	1533520	63.547	ng	99
22) Acetophenone	8.604	105	2066135	60.992	ng	99
24) Nitrobenzene	8.980	77	1477263	61.291	ng	98
25) Isophorone	9.510	82	2626388	62.634	ng	99
26) 2-Nitrophenol	9.686	139	824140	64.513	ng	99
27) 2,4-Dimethylphenol	9.757	122	923795	63.809	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1734345	61.780	ng	100
29) 2,4-Dichlorophenol	10.227	162	1520625	63.187	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1724659	61.949	ng	100
31) Naphthalene	10.627	128	4391063	61.309	ng	100
32) Benzoic acid	9.927	122	1181344	62.653	ng	98
33) 4-Chloroaniline	10.733	127	1503047	59.431	ng	99
34) Hexachlorobutadiene	10.916	225	1064394	61.808	ng	97
35) Caprolactam	11.533	113	445396	64.529	ng	99
36) 4-Chloro-3-methylphenol	11.868	107	1364157	64.713	ng	99
37) 2-Methylnaphthalene	12.239	142	3184369	63.104	ng	99
38) 1-Methylnaphthalene	12.457	142	3091968	62.893	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	2002675	61.857	ng	99
41) Hexachlorocyclopentadiene	12.592	237	714895	63.016	ng	98
43) 2,4,6-Trichlorophenol	12.851	196	1274694	61.873	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1399112	62.494	ng		99
46) 1,1'-Biphenyl	13.257	154	4137656	60.146	ng		99
47) 2-Chloronaphthalene	13.298	162	3226867	59.679	ng		98
48) 2-Nitroaniline	13.498	65	795093	63.562	ng		100
49) Acenaphthylene	14.145	152	4818221	61.175	ng		100
50) Dimethylphthalate	13.886	163	4013924	61.481	ng		100
51) 2,6-Dinitrotoluene	13.998	165	881430	64.439	ng		96
52) Acenaphthene	14.486	154	3082249	61.523	ng		99
53) 3-Nitroaniline	14.327	138	819114	61.958	ng		97
54) 2,4-Dinitrophenol	14.533	184	589583	61.369	ng		97
55) Dibenzofuran	14.821	168	5168643	61.715	ng		98
56) 4-Nitrophenol	14.645	139	793938	67.391	ng		96
57) 2,4-Dinitrotoluene	14.786	165	1222834	67.011	ng		96
58) Fluorene	15.474	166	4134865	62.111	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1221259	62.237	ng		97
60) Diethylphthalate	15.251	149	3826285	61.113	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	2303745	64.546	ng		96
62) 4-Nitroaniline	15.492	138	906760	66.324	ng		98
63) Azobenzene	15.756	77	3310558	61.760	ng		99
65) 4,6-Dinitro-2-methylph...	15.551	198	778887	65.675	ng		98
66) n-Nitrosodiphenylamine	15.680	169	3444083	61.149	ng		99
67) 4-Bromophenyl-phenylether	16.356	248	1396751	63.930	ng		96
68) Hexachlorobenzene	16.480	284	1574846	62.842	ng		98
70) Pentachlorophenol	16.821	266	1149017	62.277	ng		99
71) Phenanthrene	17.209	178	6405696	62.082	ng		100
72) Anthracene	17.298	178	6349450	62.444	ng		99
73) Carbazole	17.568	167	5982768	62.468	ng		99
74) Di-n-butylphthalate	18.133	149	6724032	60.955	ng		100
75) Fluoranthene	19.227	202	8260007	65.108	ng		98
77) Benzidine	19.403	184	909121	33.955	ng		100
78) Pyrene	19.586	202	8591752	61.771	ng		98
80) Butylbenzylphthalate	20.486	149	3123457	59.763	ng		97
81) Benzo(a)anthracene	21.386	228	8424711	62.811	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3254534	64.252	ng		99
83) Chrysene	21.450	228	7979154	62.573	ng		98
84) Bis(2-ethylhexyl)phtha...	21.315	149	4400467	57.790	ng	#	95
85) Di-n-octyl phthalate	22.450	149	7938550	59.593	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	9952687	63.483	ng		99
88) Benzo(b)fluoranthene	23.462	252	8702237	64.785	ng		99
89) Benzo(k)fluoranthene	23.527	252	8428431	64.749	ng		99
90) Benzo(a)pyrene	24.268	252	7629106	64.633	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8206056	63.546	ng		99
92) Benzo(g,h,i)perylene	28.867	276	8265853	62.639	ng		99

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

ICAL Form

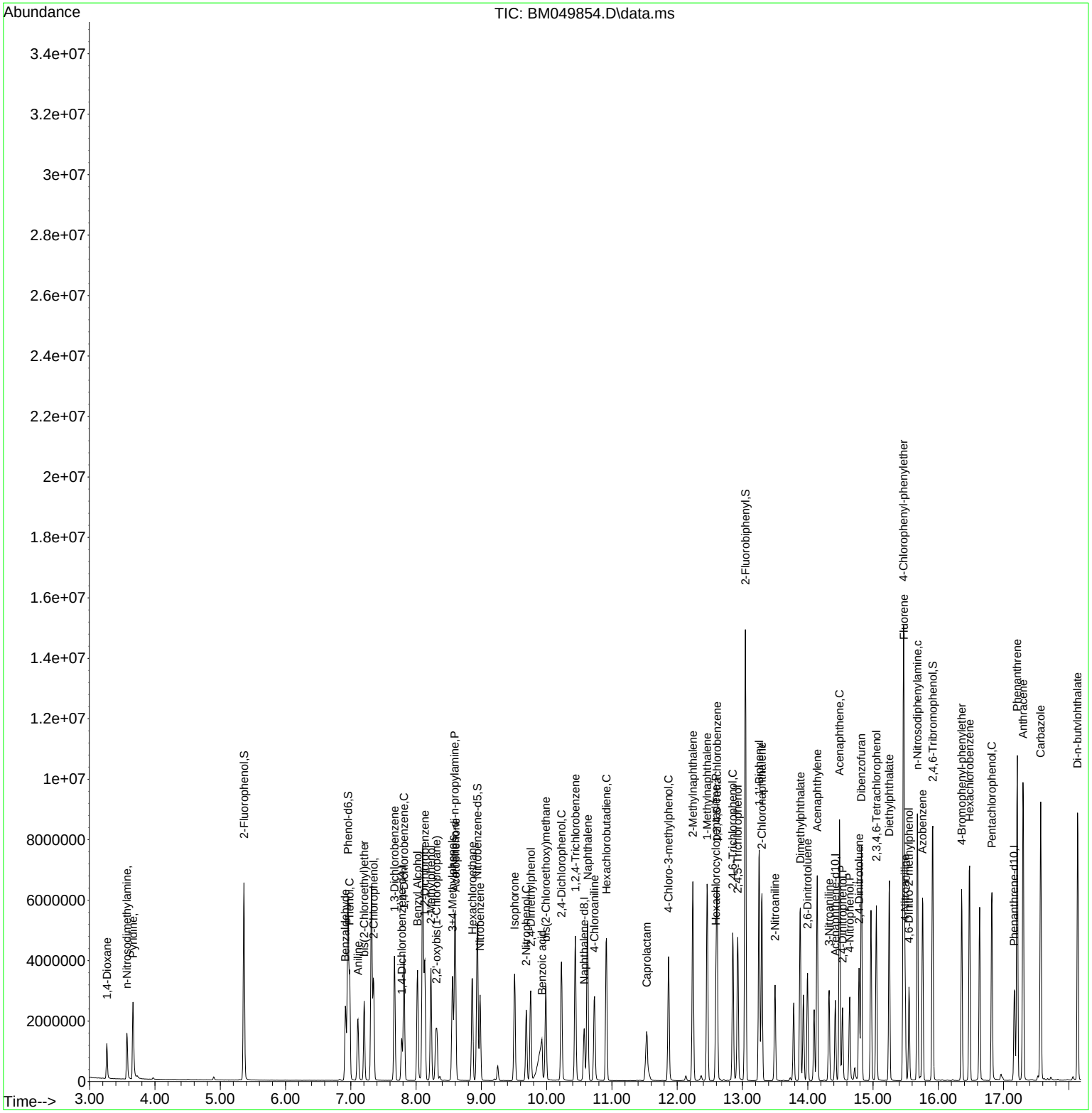
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

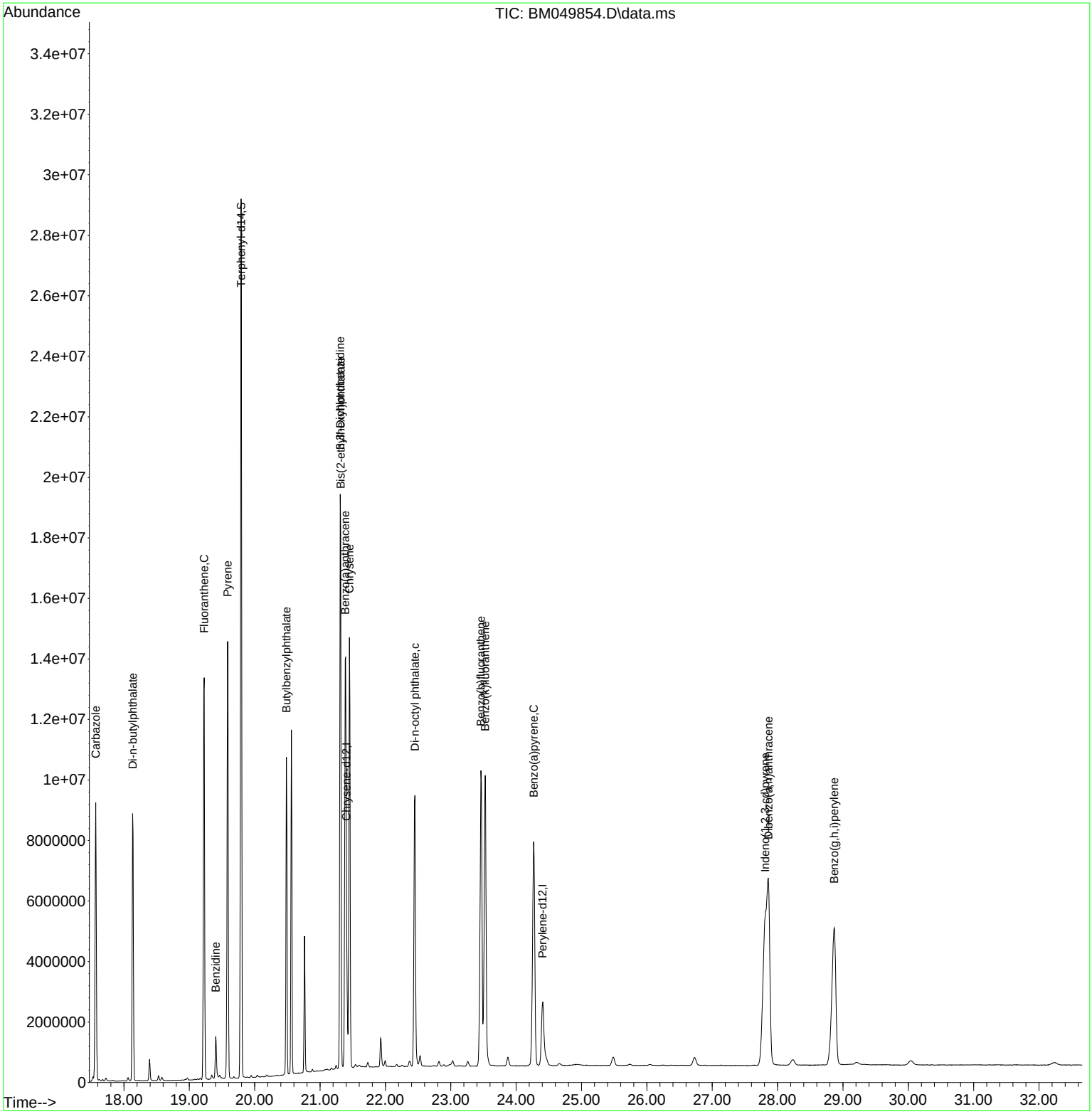
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

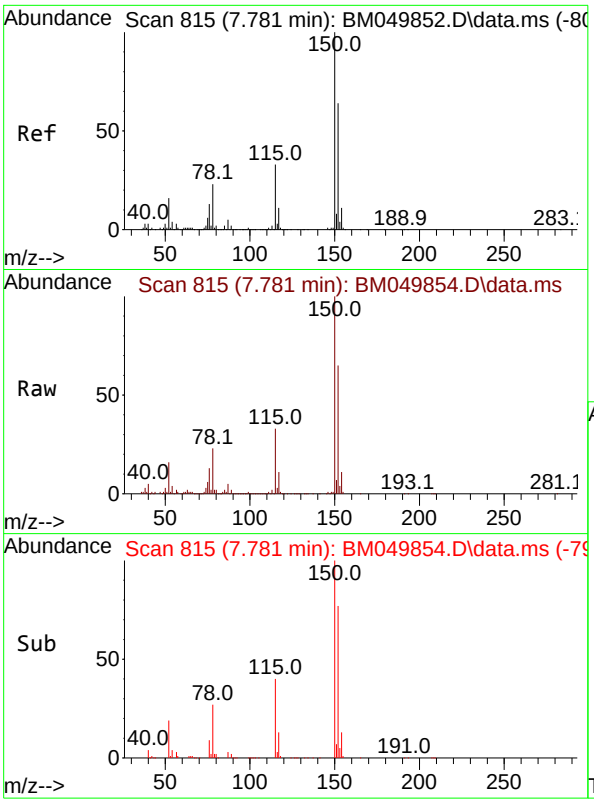
Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

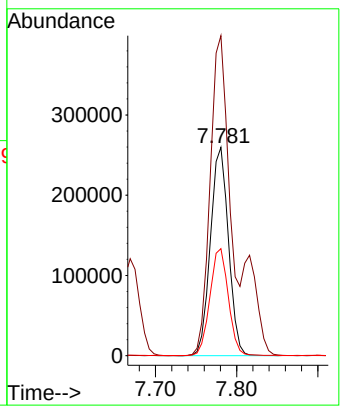




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:152 Resp: 40172

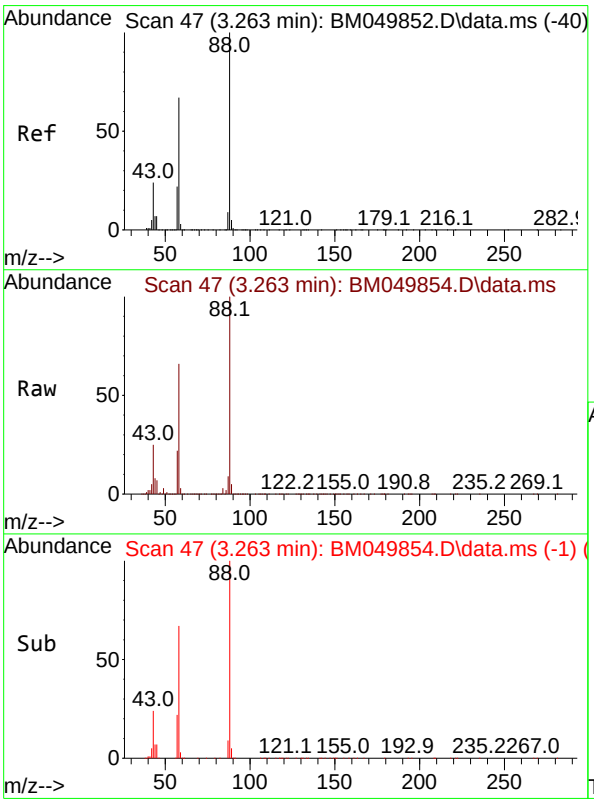
Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.3	186.5
115	51.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

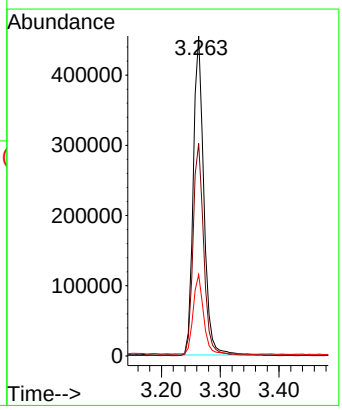
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

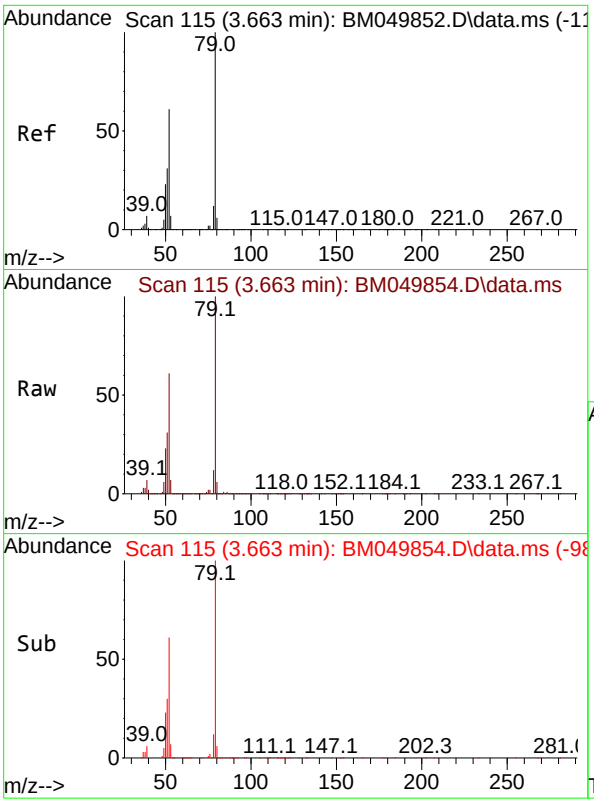


#2
1,4-Dioxane
Concen: 58.219 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 88 Resp: 567230

Ion	Ratio	Lower	Upper
88	100		
58	68.0	54.1	81.1
43	24.7	20.2	30.4

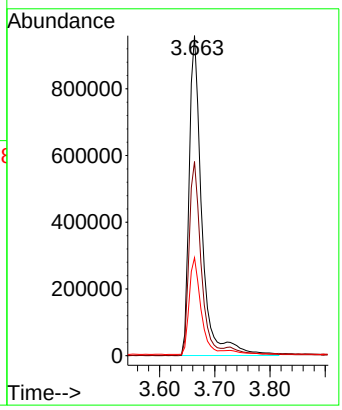




#3
Pyridine
Concen: 60.181 ng m
RT: 3.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 79 Resp: 153992(

Ion	Ratio	Lower	Upper
79	100		
52	60.6	48.9	73.3
51	30.6	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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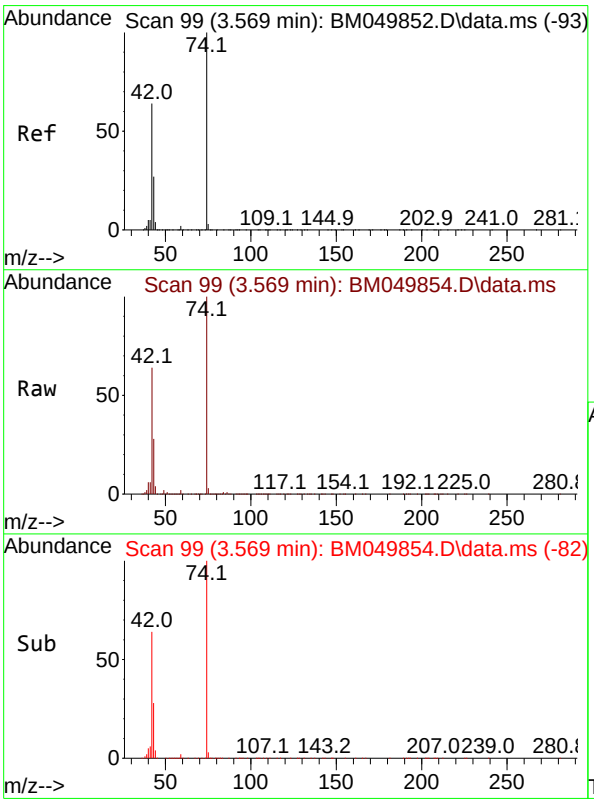
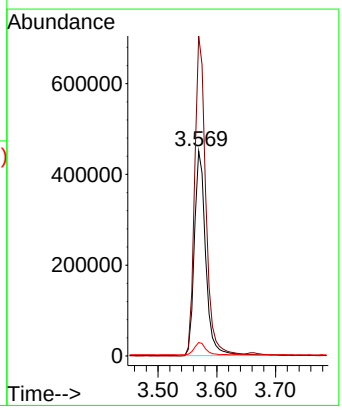
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

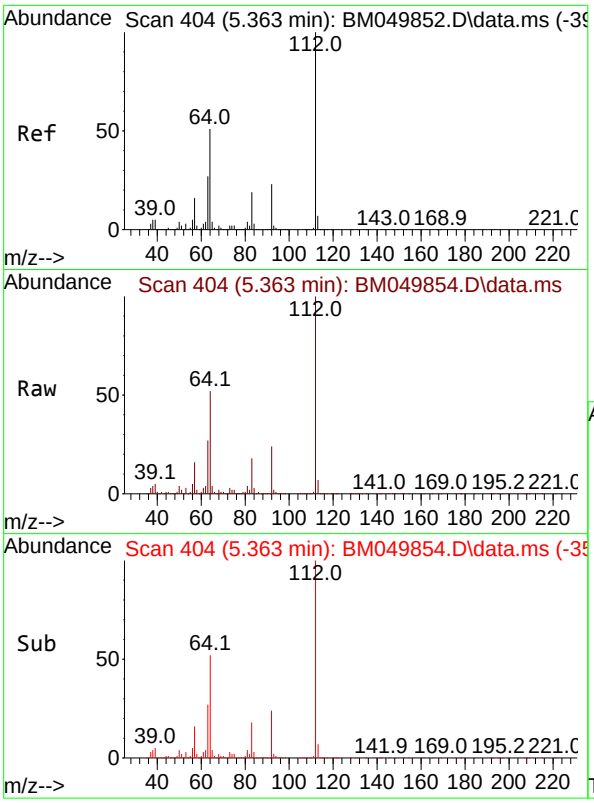


#4
n-Nitrosodimethylamine
Concen: 61.887 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 42 Resp: 602879

Ion	Ratio	Lower	Upper
42	100		
74	156.1	125.4	188.2
44	6.6	5.9	8.9

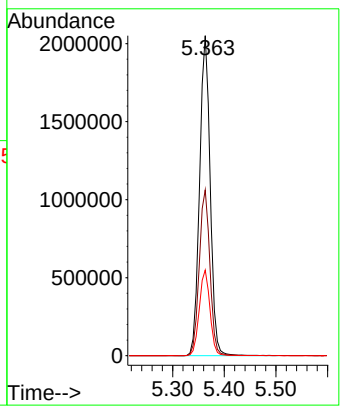




#5
2-Fluorophenol
Concen: 123.240 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:112 Resp: 291555

Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.0	61.6
63	26.8	21.5	32.3



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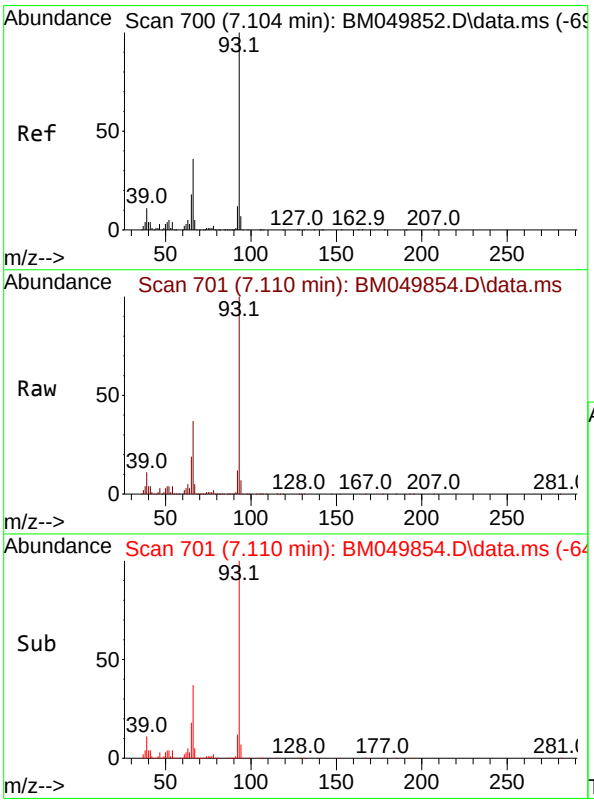
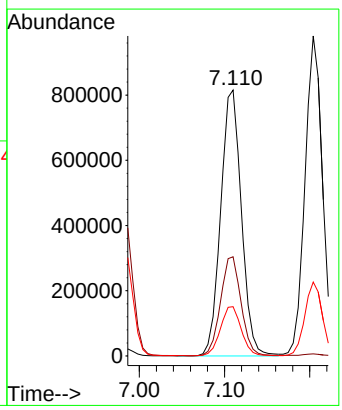
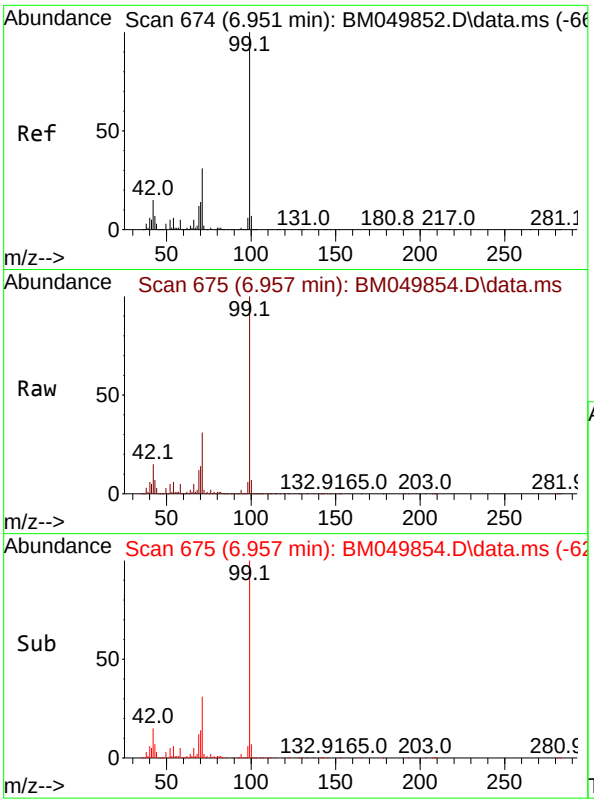


#6
Aniline
Concen: 54.586 ng
RT: 7.110 min Scan# 701
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 1376743

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.1	43.7
65	18.5	14.9	22.3

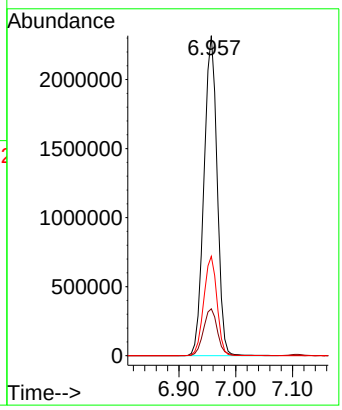




#7
Phenol-d6
Concen: 126.357 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 99 Resp: 371922

Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.1	18.1
71	31.1	24.9	37.3



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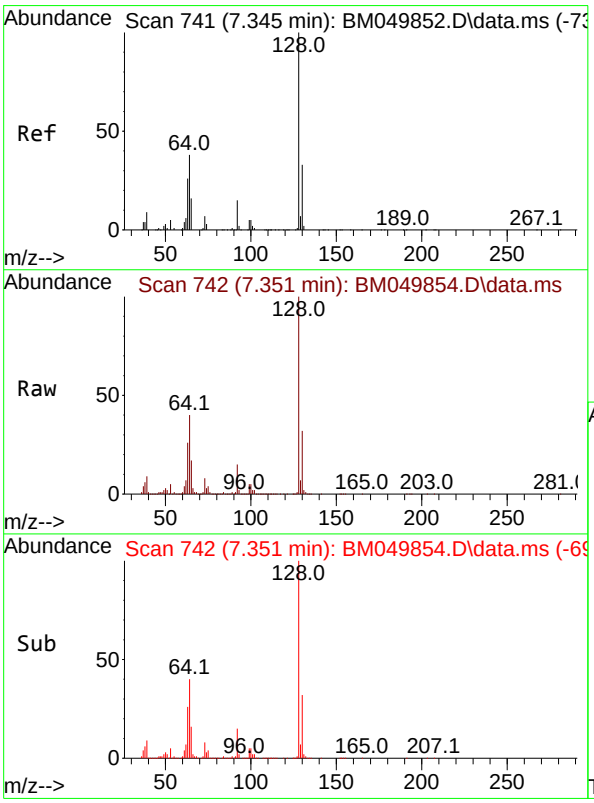
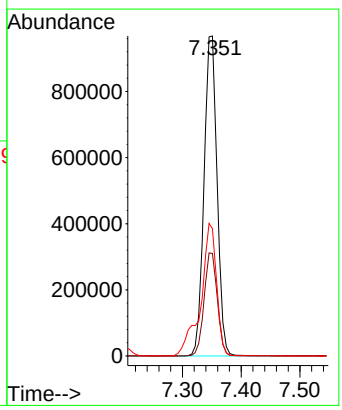
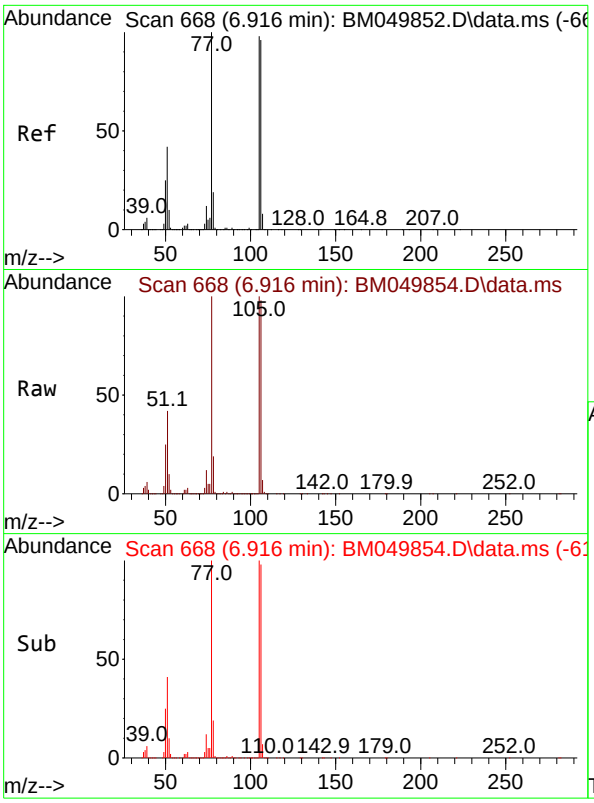


#8
2-Chlorophenol
Concen: 61.567 ng
RT: 7.351 min Scan# 742
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:128 Resp: 1492657

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	39.8	21.1	61.1

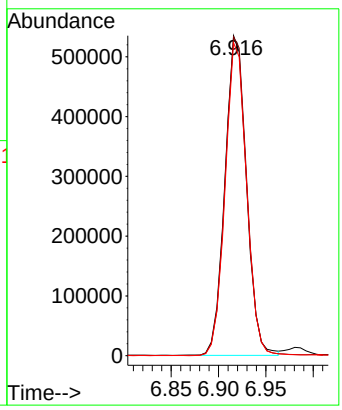




#9
Benzaldehyde
Concen: 55.949 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 84438

Ion	Ratio	Lower	Upper
77	100		
105	99.7	78.3	118.3
106	97.8	76.0	116.0



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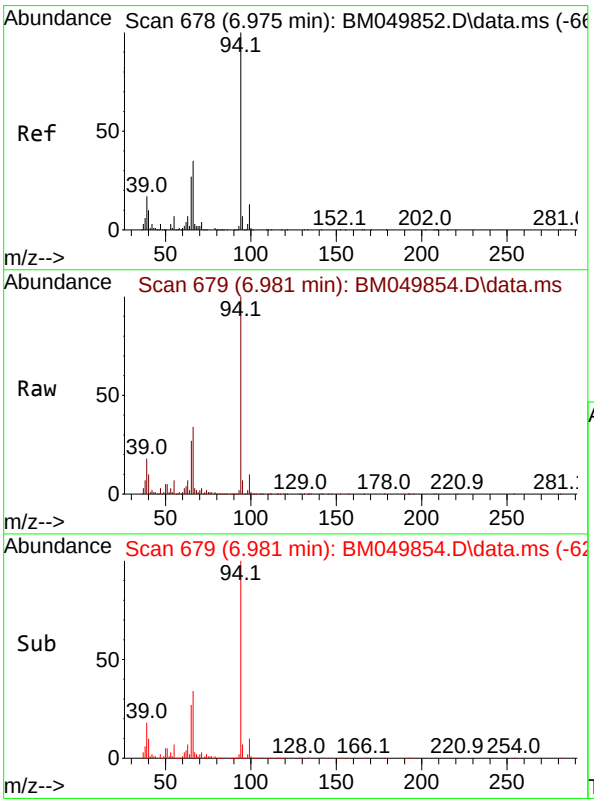
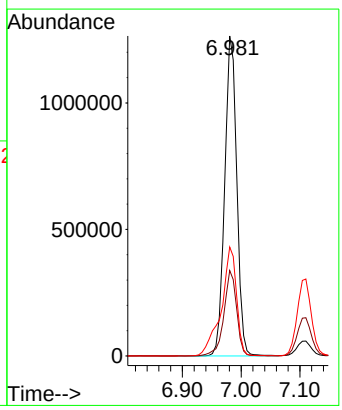
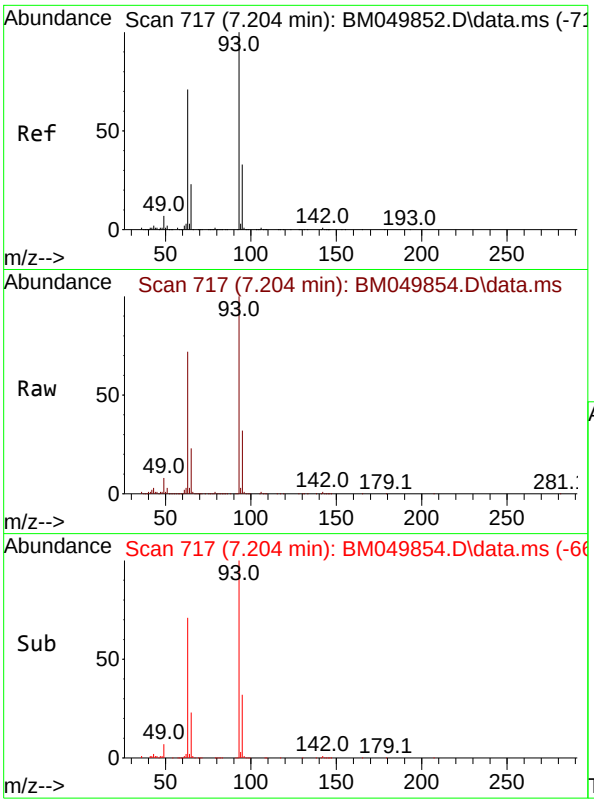


#10
Phenol
Concen: 62.772 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 94 Resp: 1803027

Ion	Ratio	Lower	Upper
94	100		
65	26.7	7.3	47.3
66	34.1	14.8	54.8

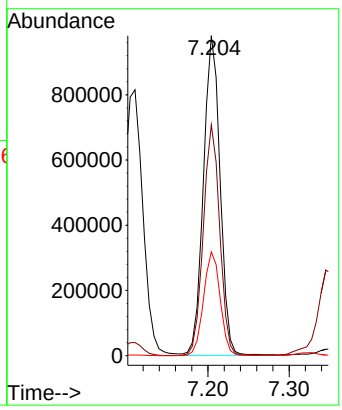




#11
bis(2-Chloroethyl)ether
Concen: 62.074 ng
RT: 7.204 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 139820

Ion	Ratio	Lower	Upper
93	100		
63	72.2	50.9	90.9
95	32.4	12.6	52.6



Instrument :
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ClientSampleId :
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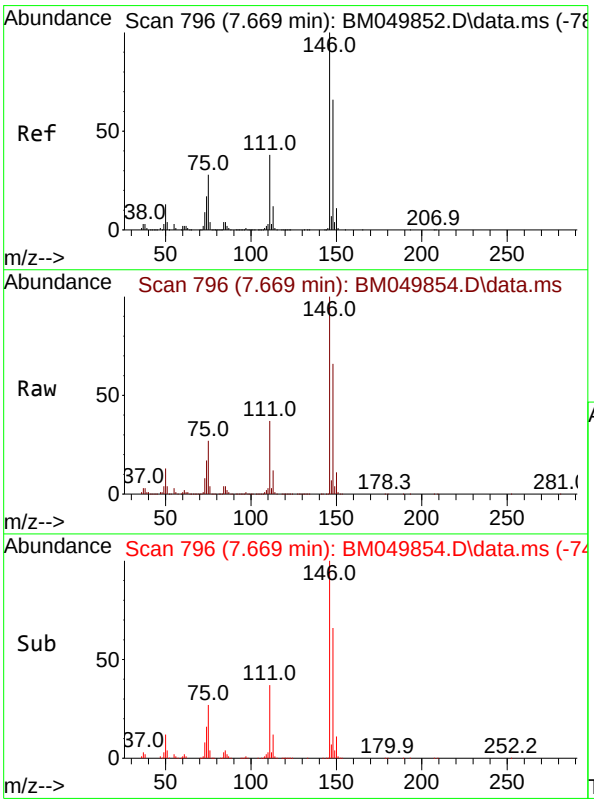
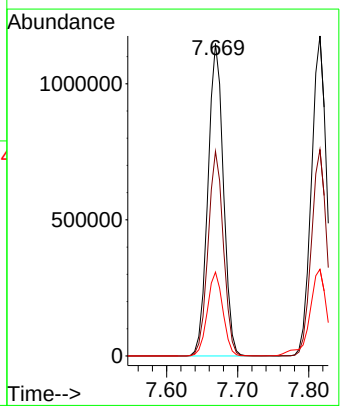
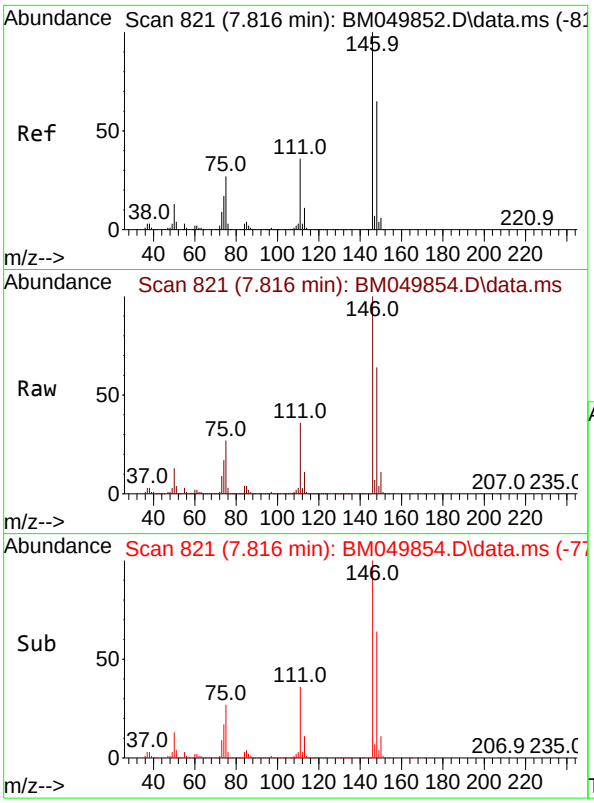


#12
1,3-Dichlorobenzene
Concen: 60.586 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 1736609

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.5	78.7
75	26.9	22.5	33.7

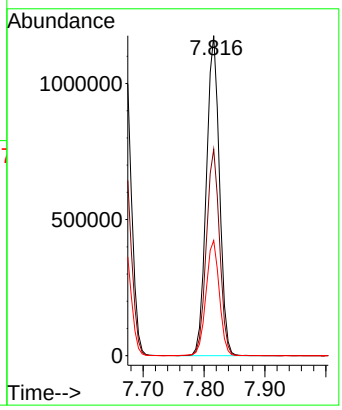




#13
1,4-Dichlorobenzene
Concen: 60.812 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 175389

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.4	78.6
111	36.0	28.5	42.7



Instrument :
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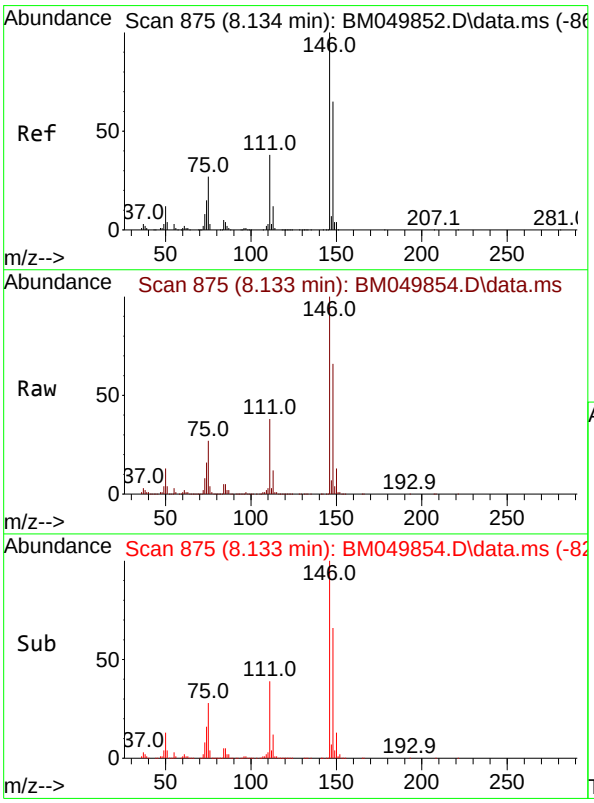
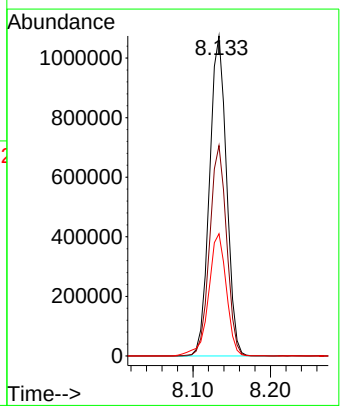
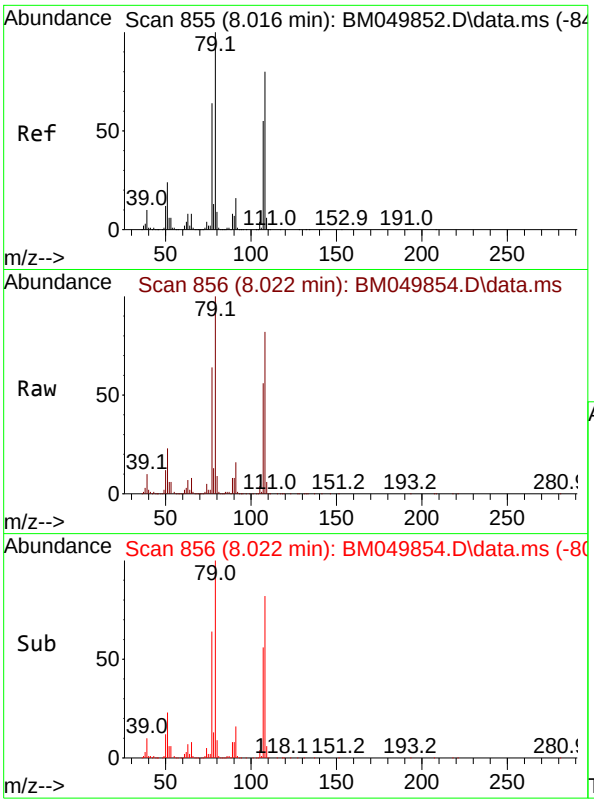


#14
1,2-Dichlorobenzene
Concen: 60.303 ng
RT: 8.133 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 1638164

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.8	77.8
111	38.2	30.2	45.4

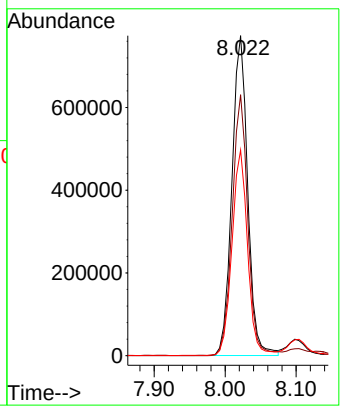




#15
Benzyl Alcohol
Concen: 64.570 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 79 Resp: 119679

Ion	Ratio	Lower	Upper
79	100		
108	81.6	63.6	95.4
77	64.3	51.3	76.9



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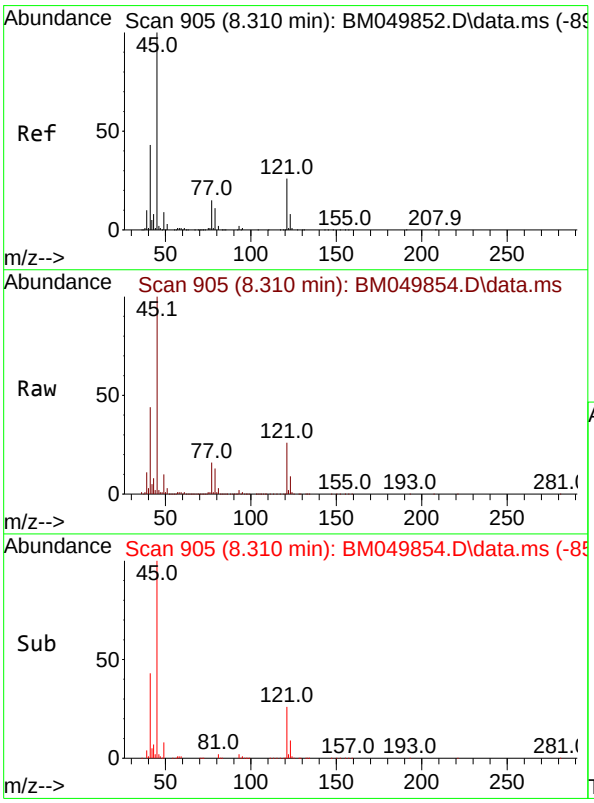
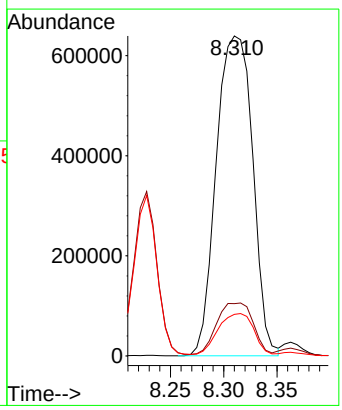
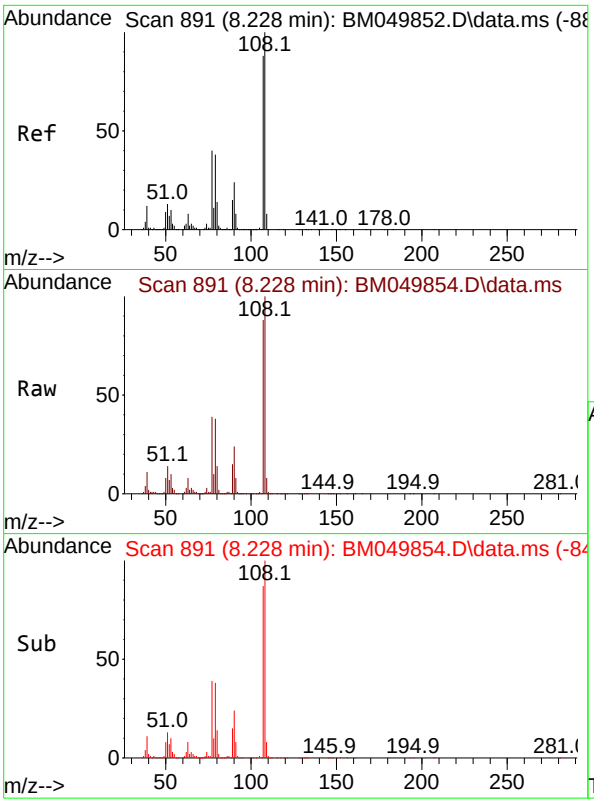


#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.520 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 45 Resp: 1519404

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.9
79	13.0	0.0	32.9

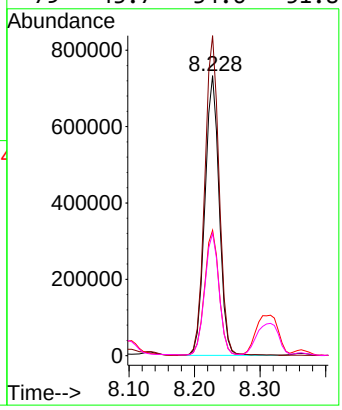




#17
2-Methylphenol
Concen: 62.667 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 110926

Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.0	136.6
77	44.8	36.5	54.7
79	43.7	34.6	51.8



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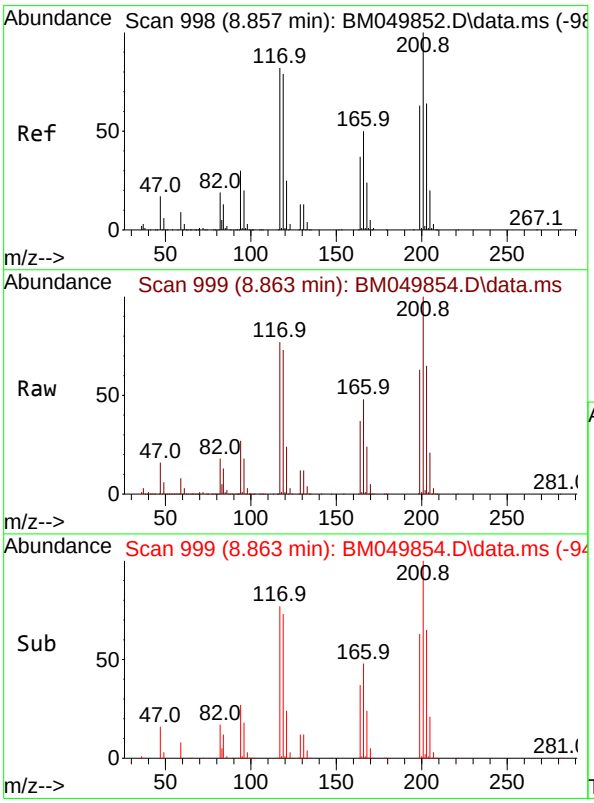
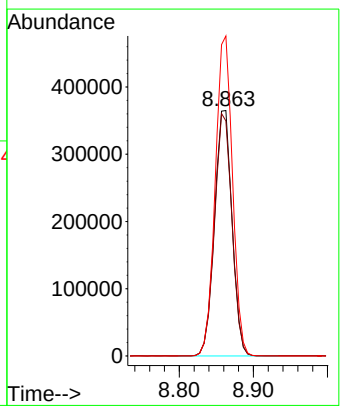
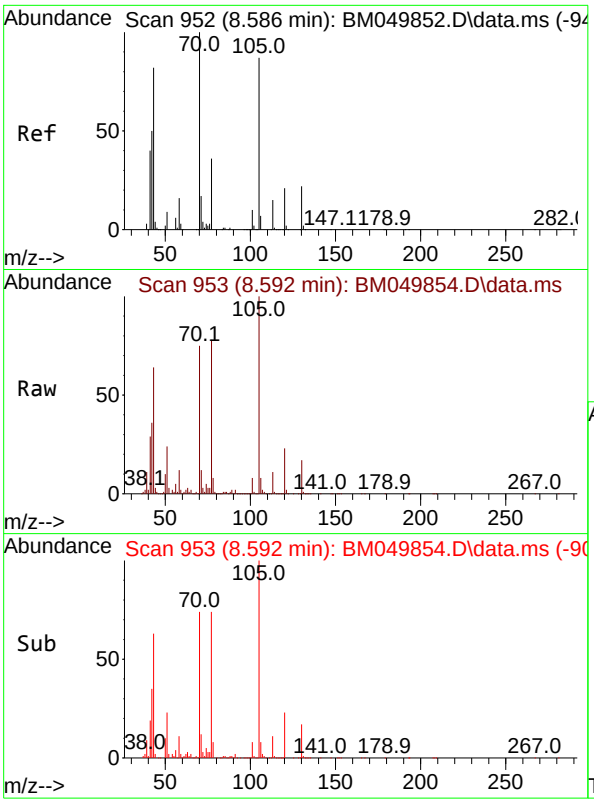


#18
Hexachloroethane
Concen: 60.131 ng
RT: 8.863 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:117 Resp: 603367

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
201	130.4	97.7	146.5

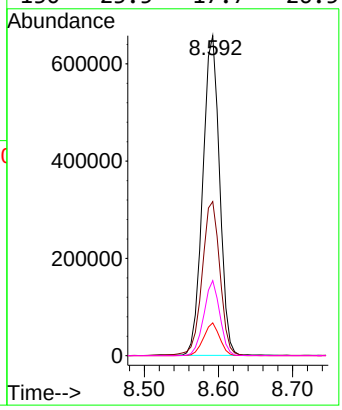




#19
n-Nitroso-di-n-propylamine
Concen: 63.539 ng
RT: 8.592 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 70 Resp: 103583

Ion	Ratio	Lower	Upper
70	100		
42	48.2	40.2	60.2
101	10.3	7.9	11.9
130	23.5	17.7	26.5



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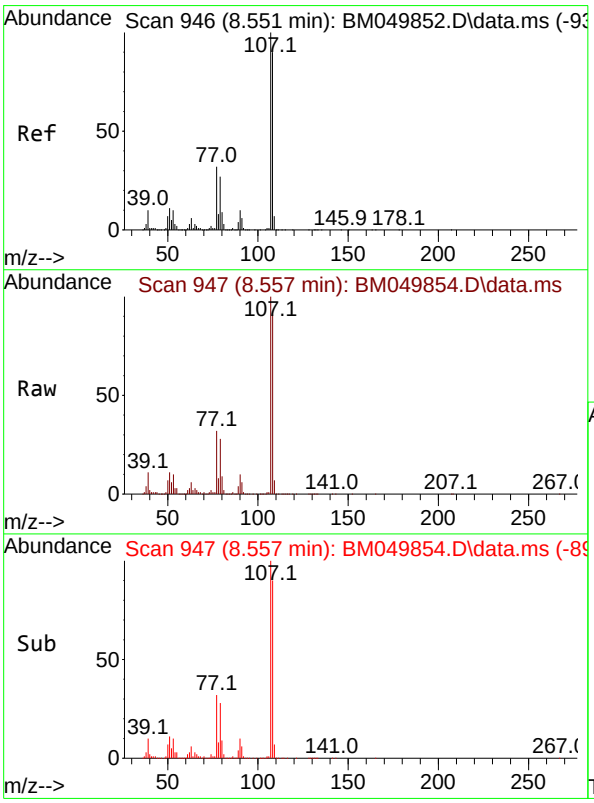
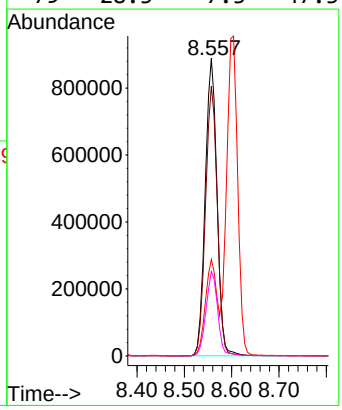
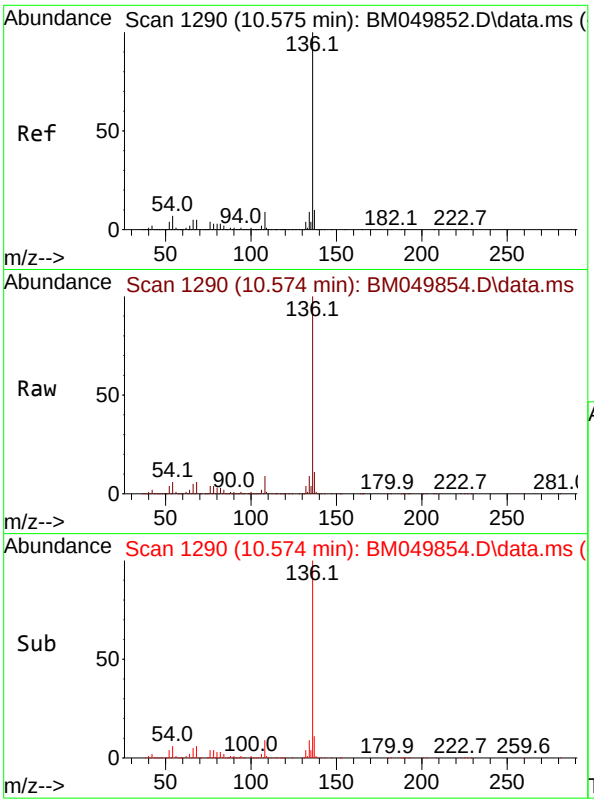


#20
3+4-Methylphenols
Concen: 63.547 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 1533520

Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.6	109.6
77	32.4	11.7	51.7
79	28.3	7.3	47.3

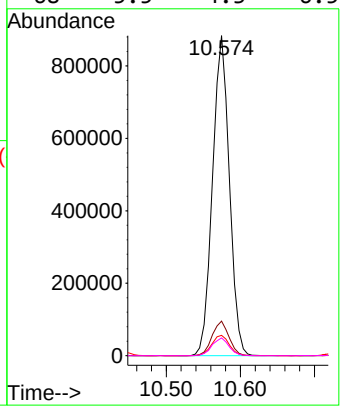




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:136 Resp: 139386

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.4	5.3	7.9
68	5.5	4.3	6.5



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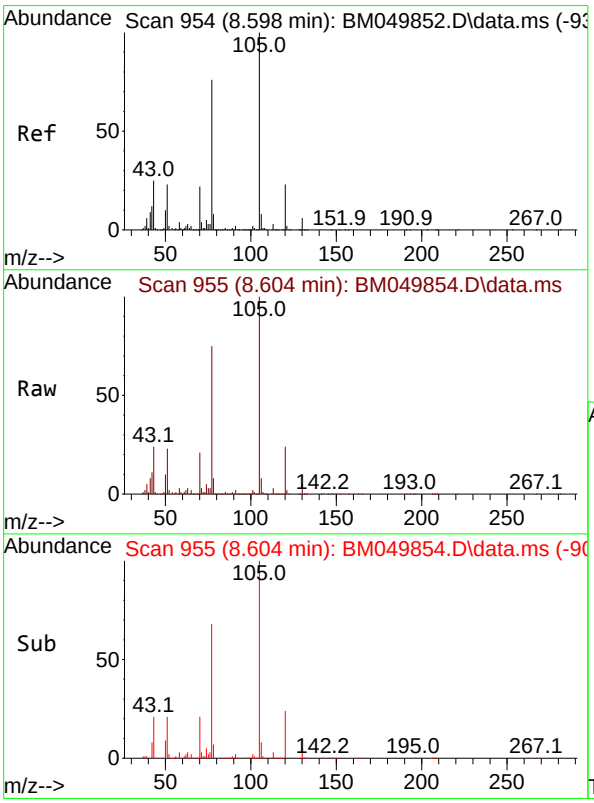
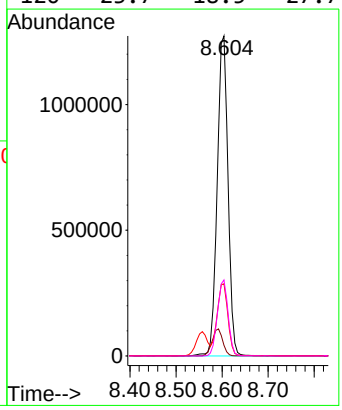
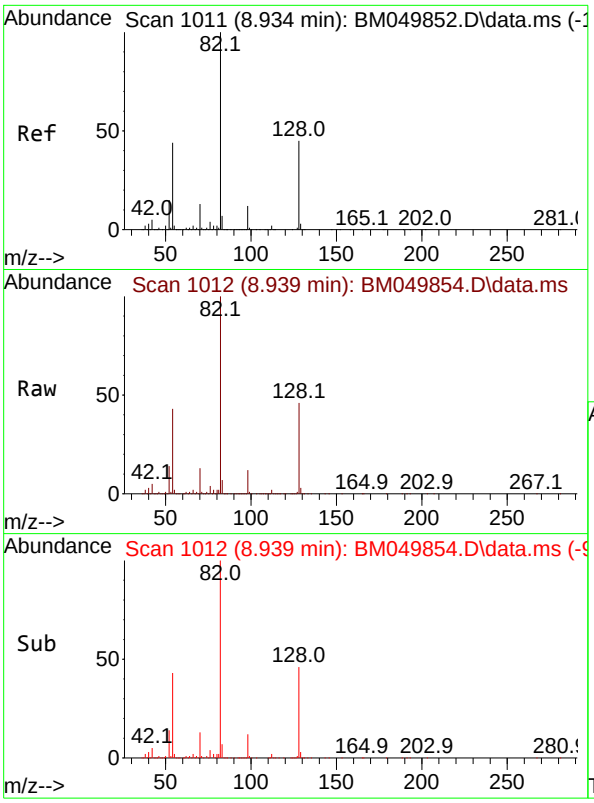


#22
Acetophenone
Concen: 60.992 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:105 Resp: 2066135

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	22.5	18.6	27.8
120	23.7	18.5	27.7





#23
Nitrobenzene-d5
Concen: 123.564 ng
RT: 8.939 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 82 Resp: 309293

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.2	54.2
54	43.3	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
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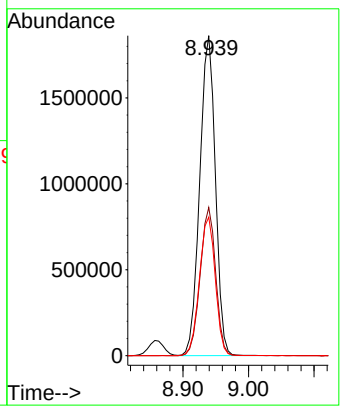
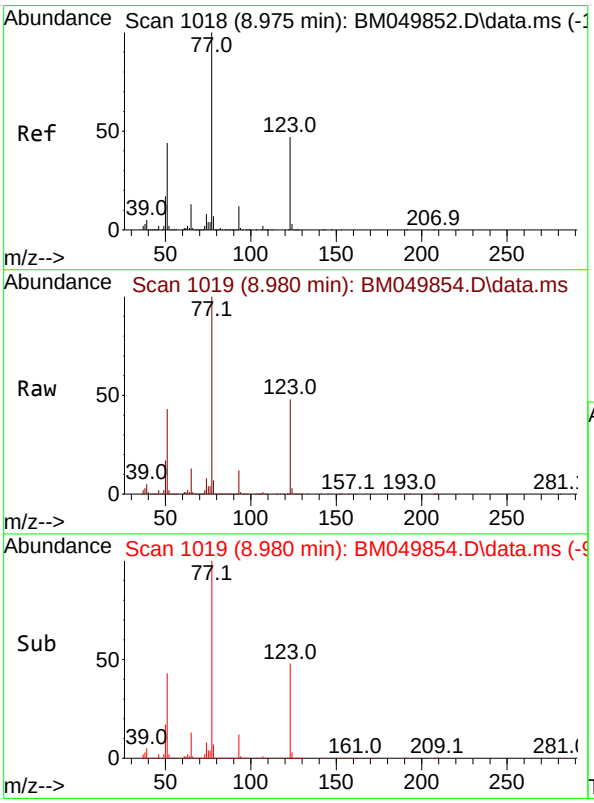
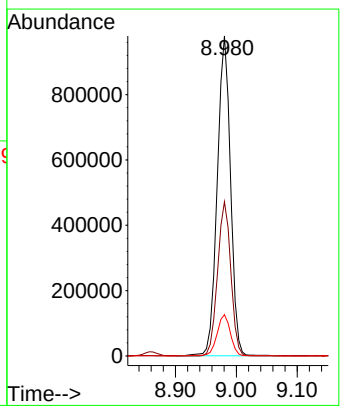


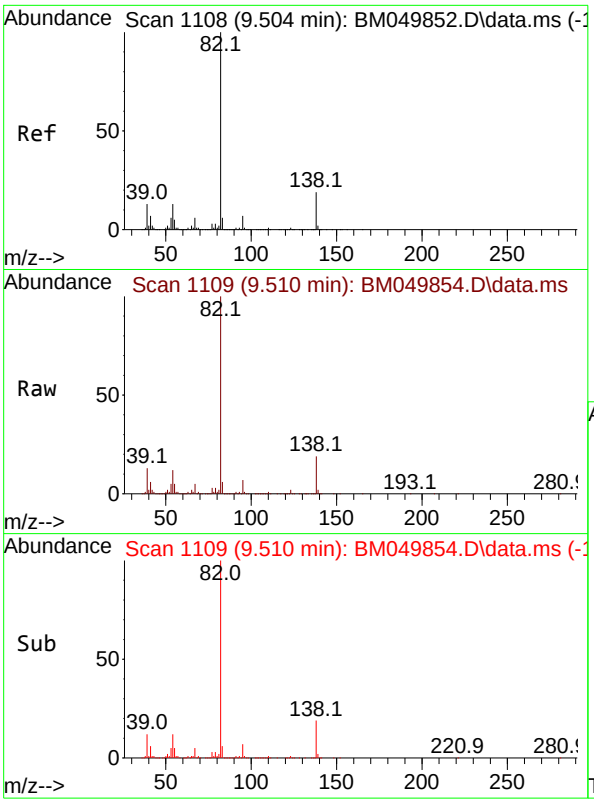


#24
Nitrobenzene
Concen: 61.291 ng
RT: 8.980 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 1477263

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.4	56.2
65	12.9	10.1	15.1

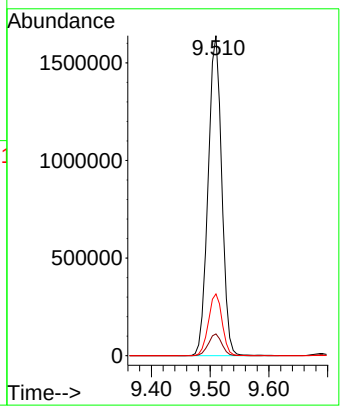




#25
Isophorone
Concen: 62.634 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 82 Resp: 262638

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.3	15.0	22.6



Instrument :
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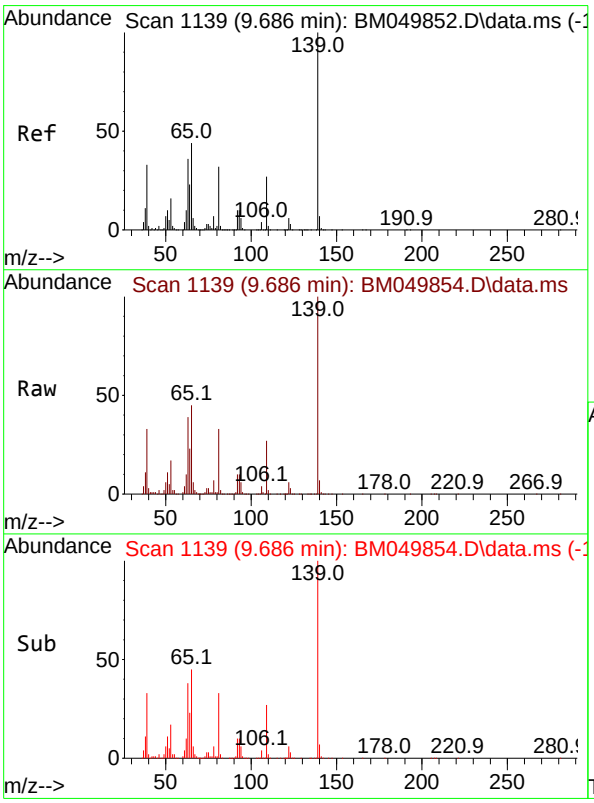
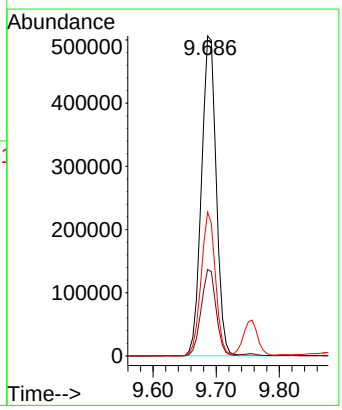
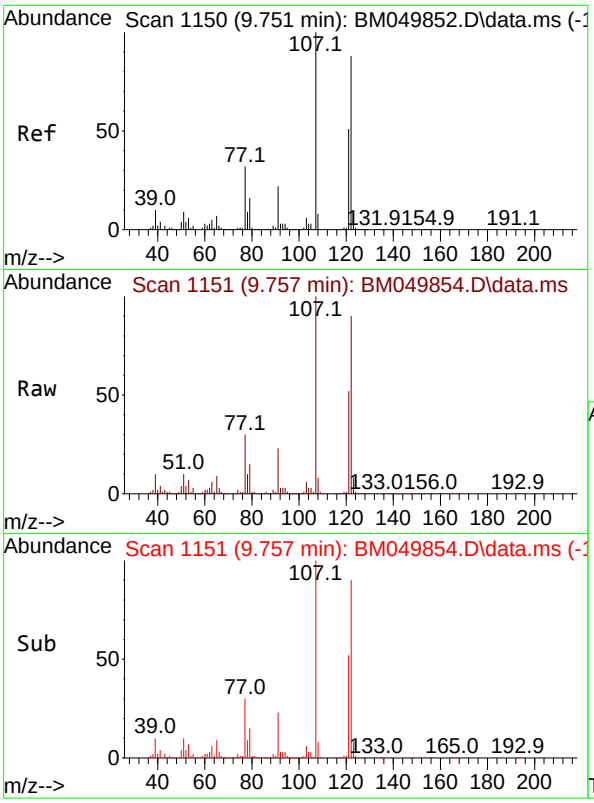


#26
2-Nitrophenol
Concen: 64.513 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:139 Resp: 824140

Ion	Ratio	Lower	Upper
139	100		
109	27.0	21.7	32.5
65	45.0	35.2	52.8

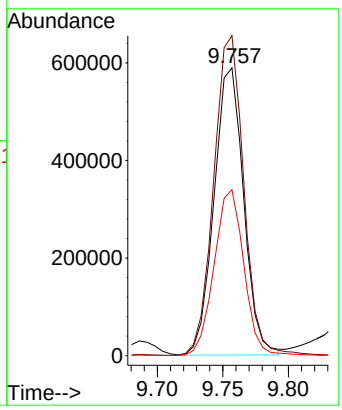




#27
2,4-Dimethylphenol
Concen: 63.809 ng
RT: 9.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:122 Resp: 92379

Ion	Ratio	Lower	Upper
122	100		
107	111.2	90.3	135.5
121	57.6	46.1	69.1



Instrument :
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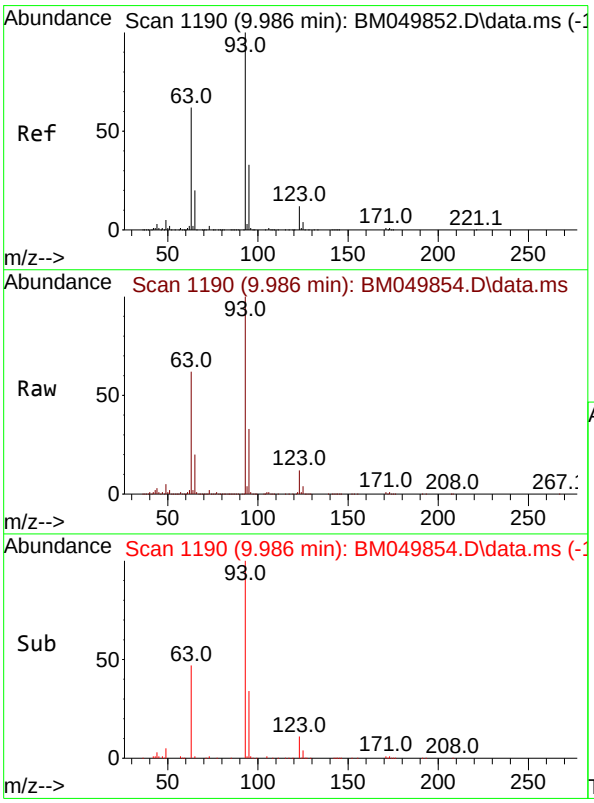
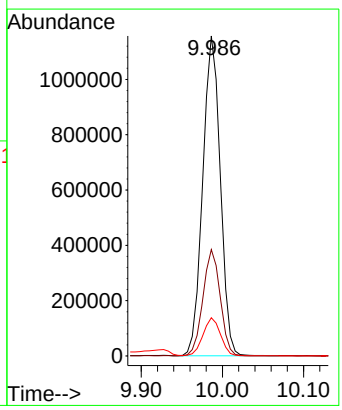
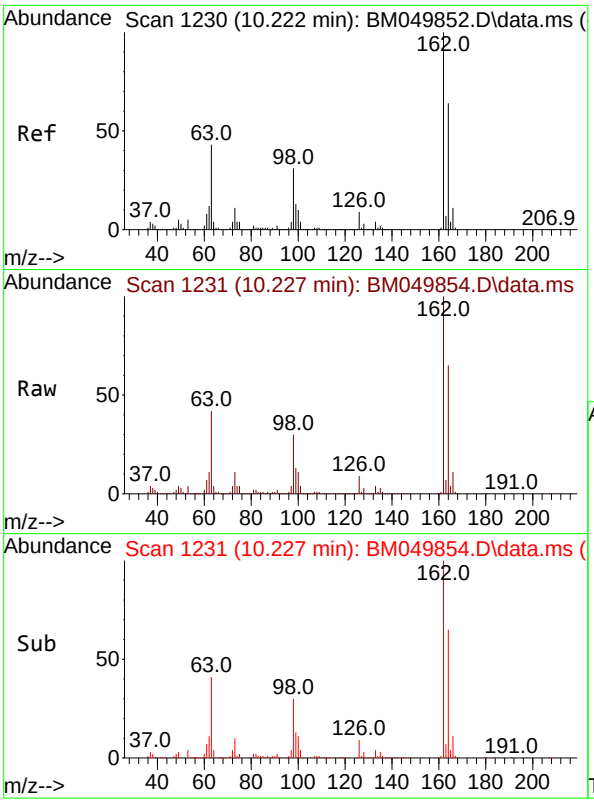


#28
bis(2-Chloroethoxy)methane
Concen: 61.780 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 1734345

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.0	9.5	14.3

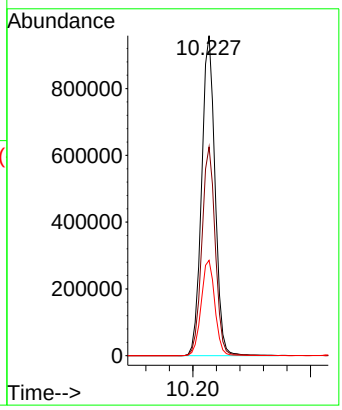




#29
2,4-Dichlorophenol
Concen: 63.187 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:162 Resp: 152062

Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.3	84.3
98	29.8	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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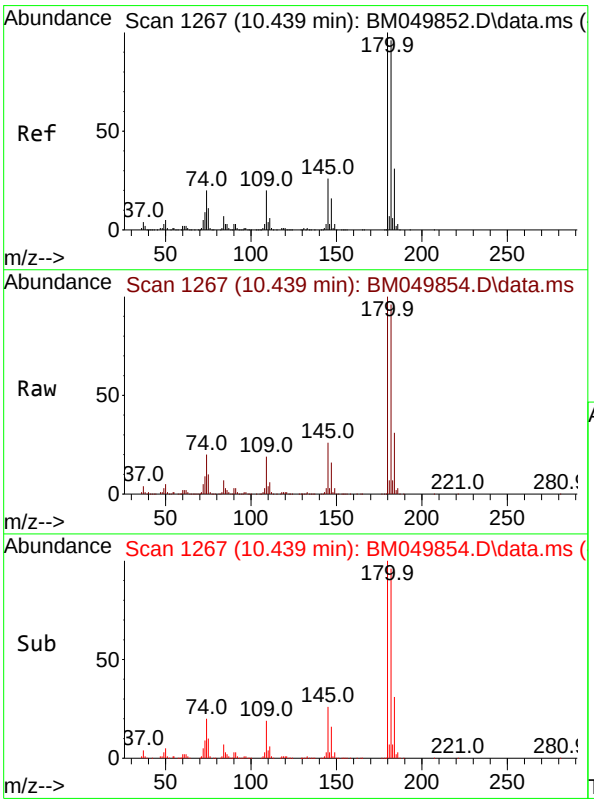
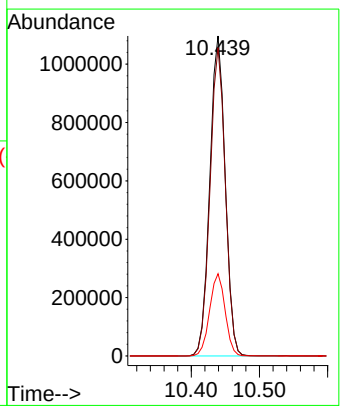
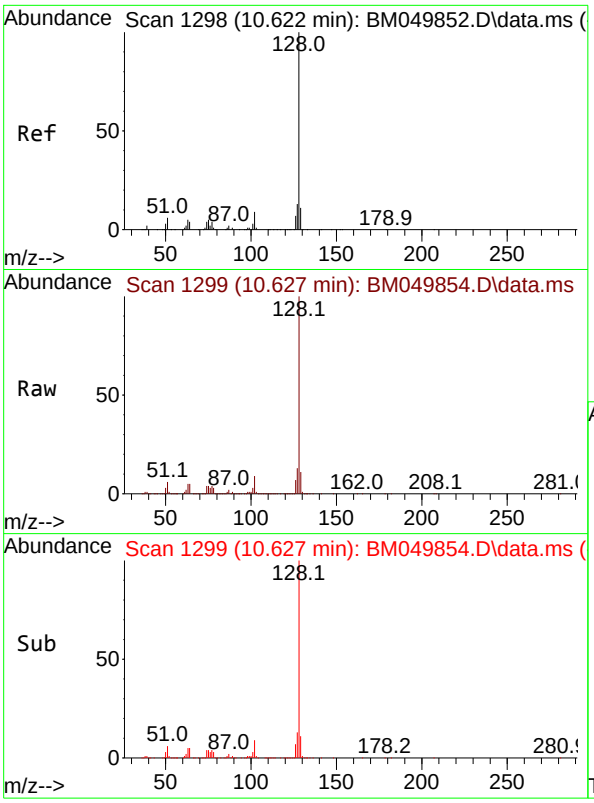


#30
1,2,4-Trichlorobenzene
Concen: 61.949 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:180 Resp: 1724659

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
145	25.7	20.8	31.2

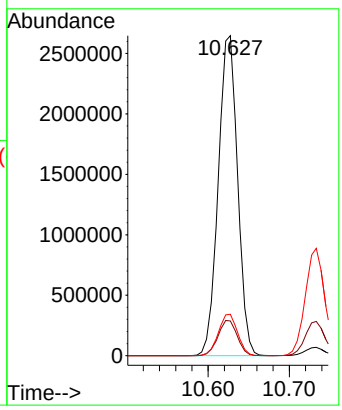




#31
Naphthalene
Concen: 61.309 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:128 Resp: 439106

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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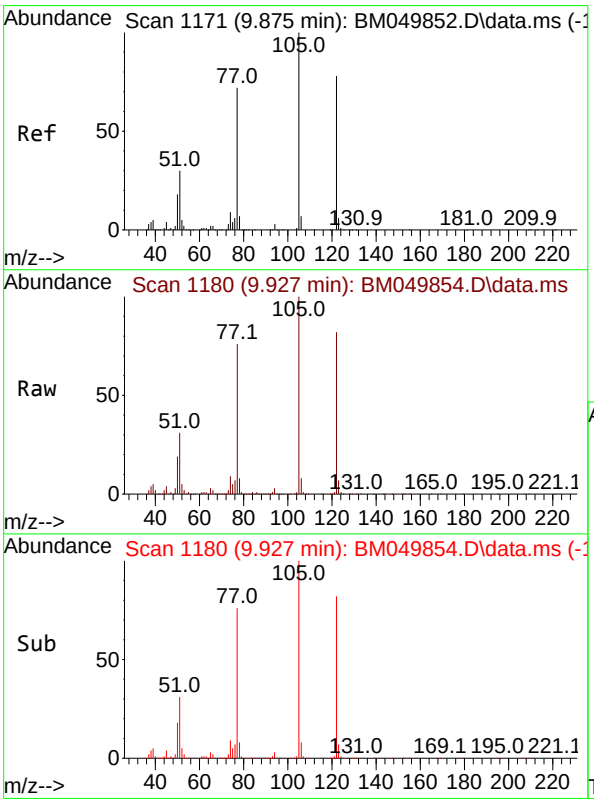
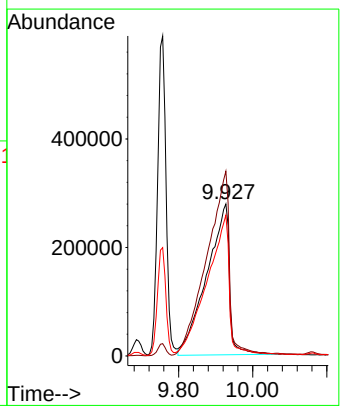
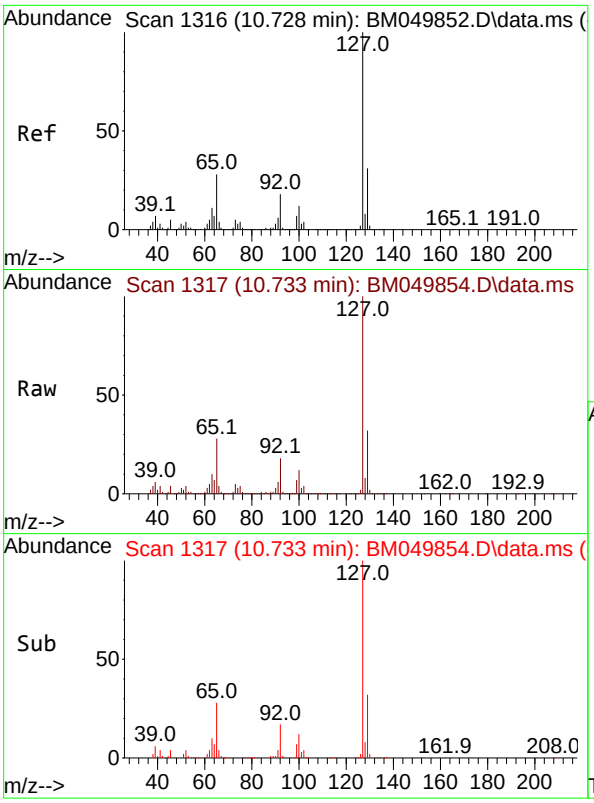


#32
Benzoic acid
Concen: 62.653 ng
RT: 9.927 min Scan# 1180
Delta R.T. 0.052 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:122 Resp: 1181344

Ion	Ratio	Lower	Upper
122	100		
105	121.5	103.8	143.8
77	92.7	70.7	110.7

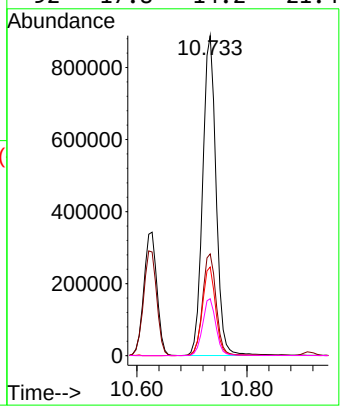




#33
4-Chloroaniline
Concen: 59.431 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:127 Resp: 150304

Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.9	37.3
65	27.7	22.4	33.6
92	17.8	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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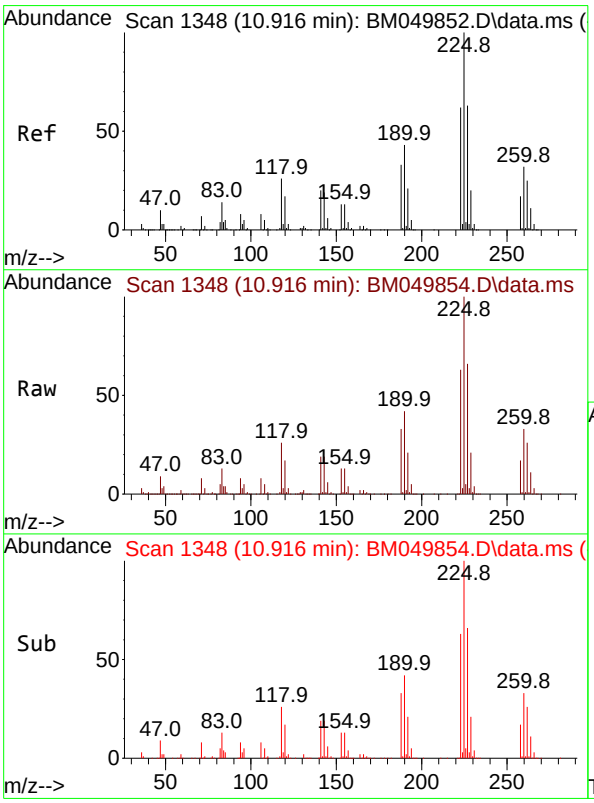
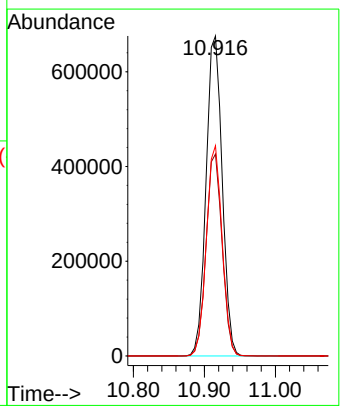
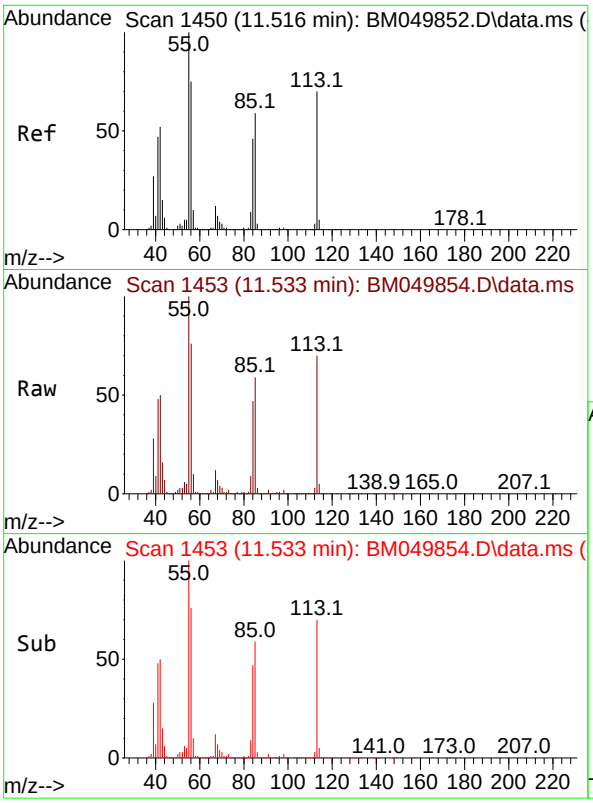


#34
Hexachlorobutadiene
Concen: 61.808 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:225 Resp: 1064394

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	65.7	50.1	75.1

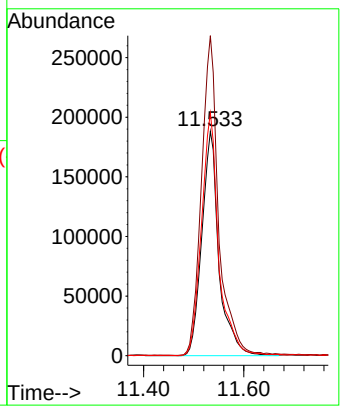




#35
Caprolactam
Concen: 64.529 ng
RT: 11.533 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:113 Resp: 44539

Ion	Ratio	Lower	Upper
113	100		
55	142.6	124.3	164.3
56	108.2	87.5	127.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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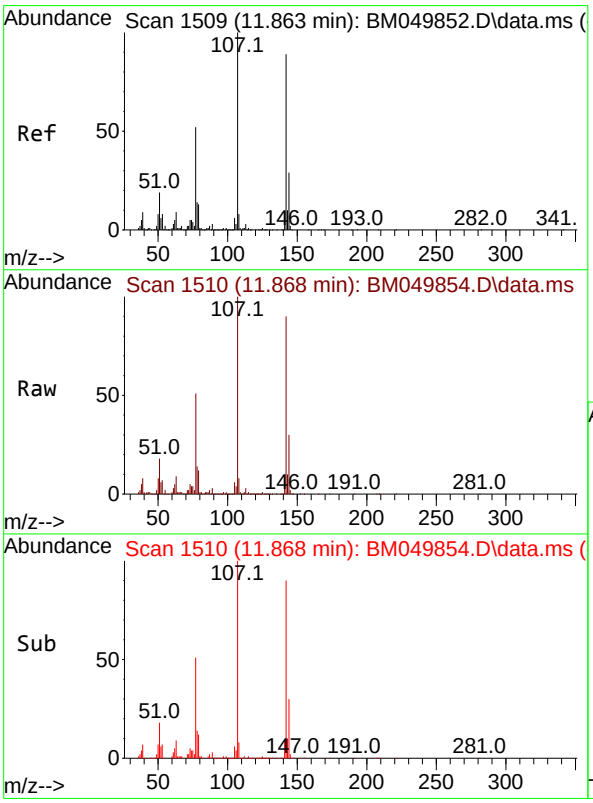
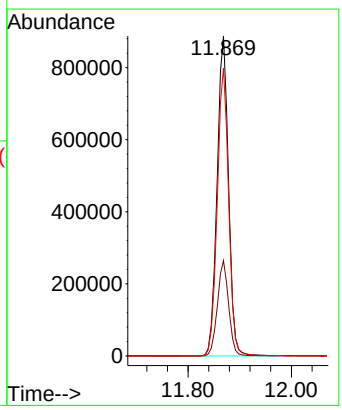
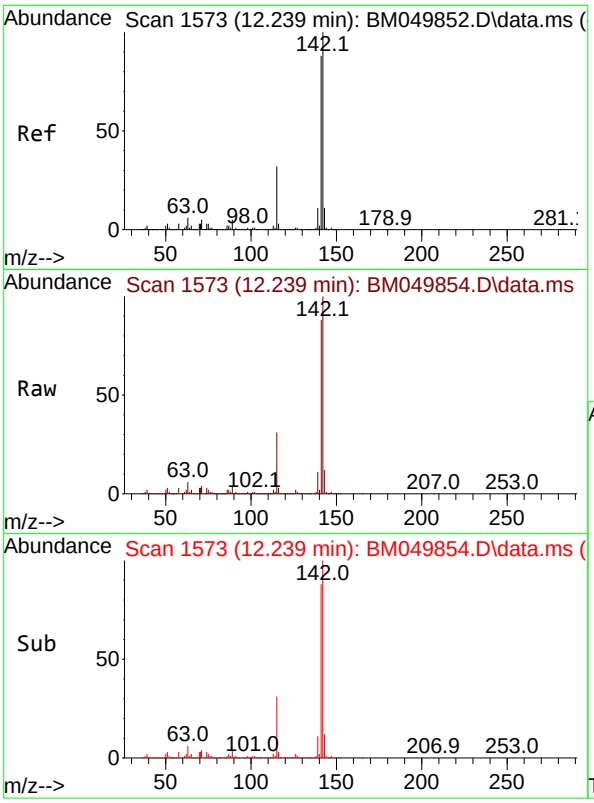


#36
4-Chloro-3-methylphenol
Concen: 64.713 ng
RT: 11.868 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 1364157

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.6	35.4
142	90.0	71.4	107.0

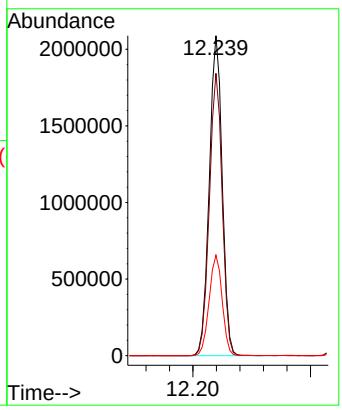




#37
2-Methylnaphthalene
Concen: 63.104 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:142 Resp: 318436

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2
115	31.4	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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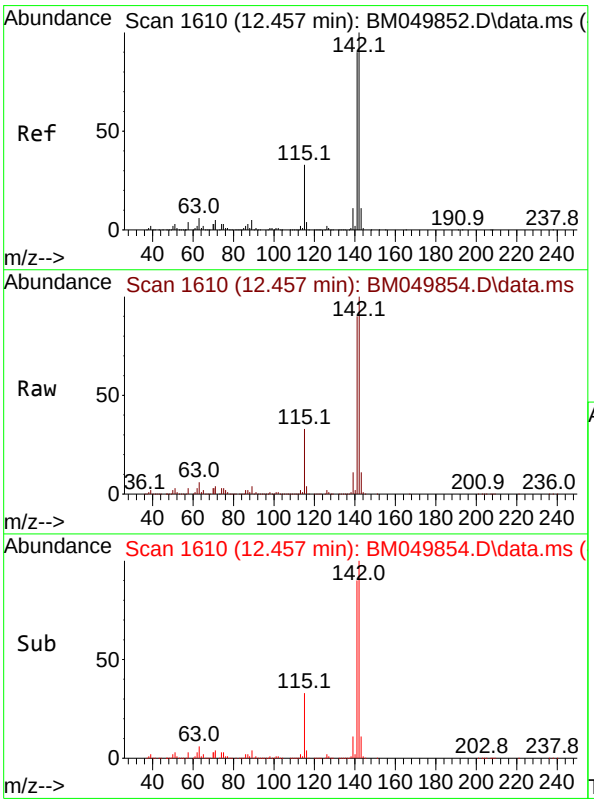
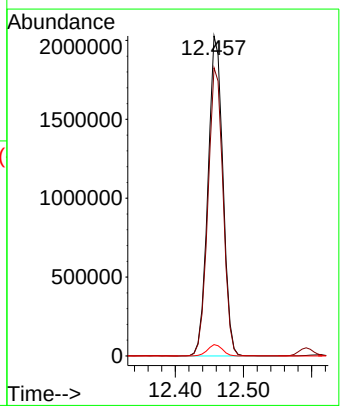
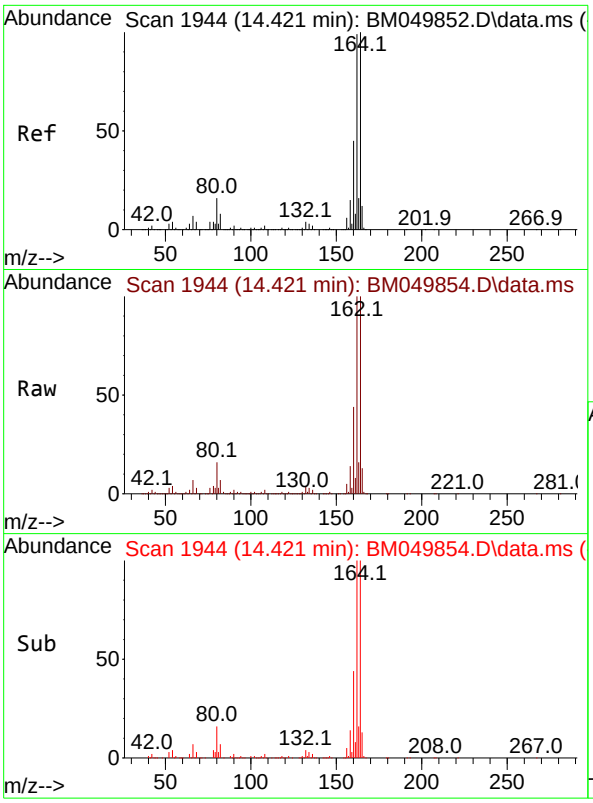


#38
1-Methylnaphthalene
Concen: 62.893 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:142 Resp: 3091968

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.2
116	3.6	2.9	4.3

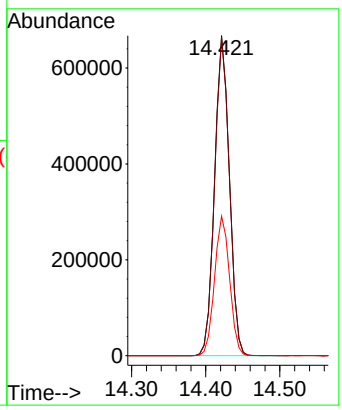




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:164 Resp: 92542

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	43.6	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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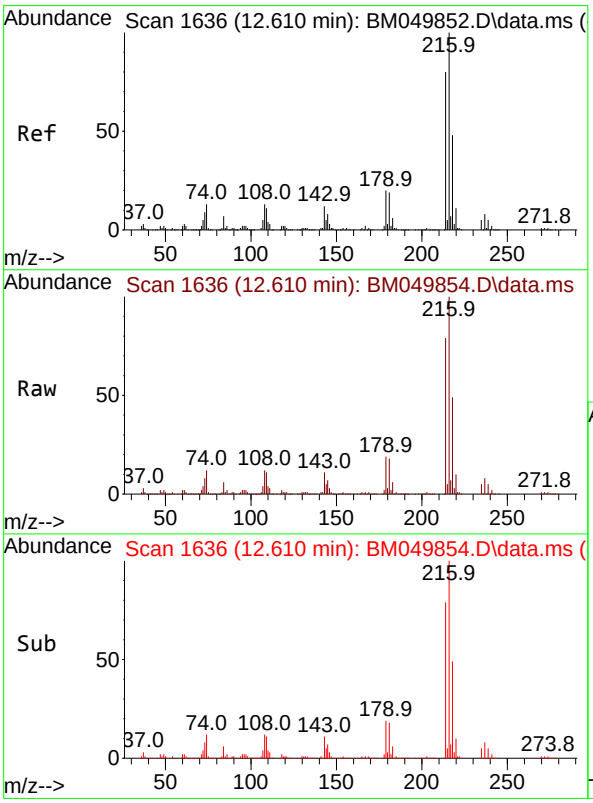
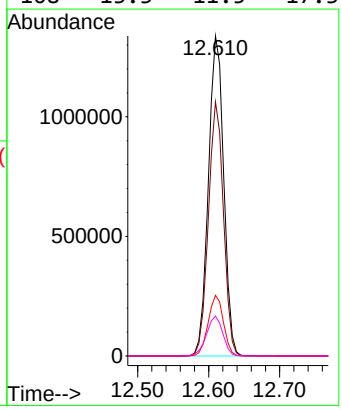
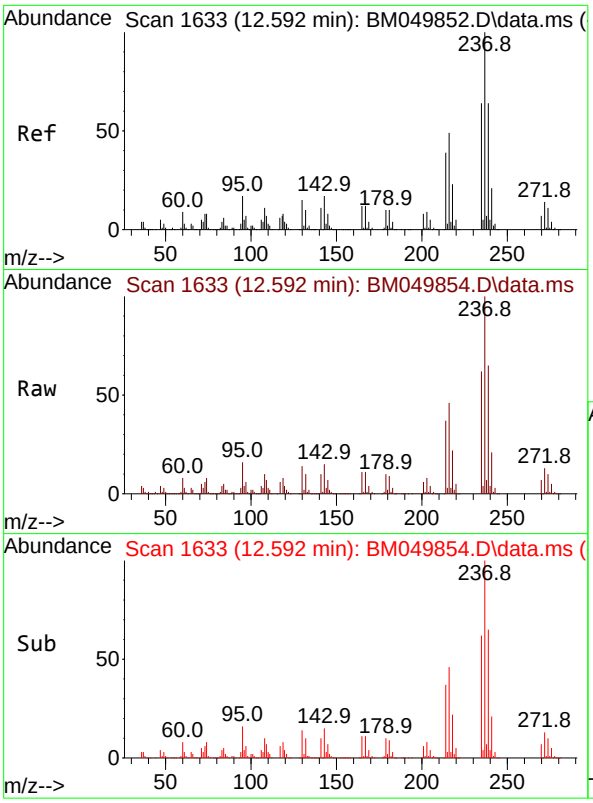


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.857 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:216 Resp: 2002675

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.2	94.8
179	18.9	15.8	23.6
108	13.3	11.5	17.3

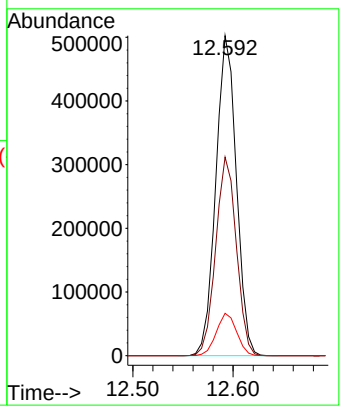




#41
Hexachlorocyclopentadiene
Concen: 63.016 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:237 Resp: 71489

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.7	83.7
272	13.3	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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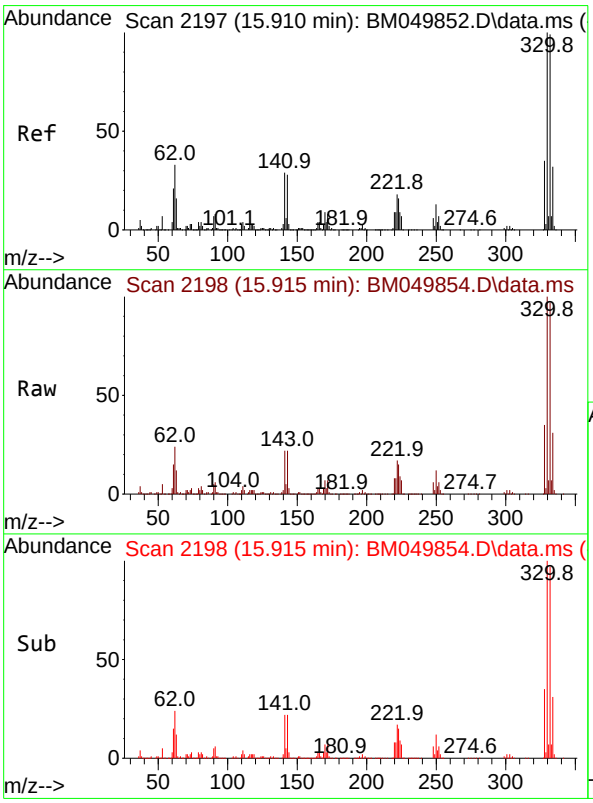
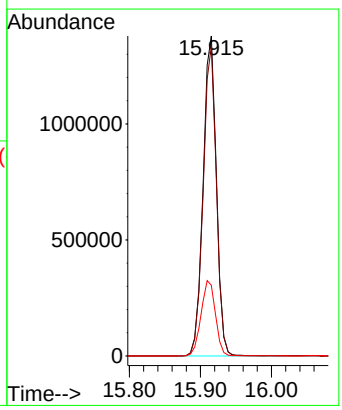
Supervised By :Jagrut Upadhyay 04/09/2025

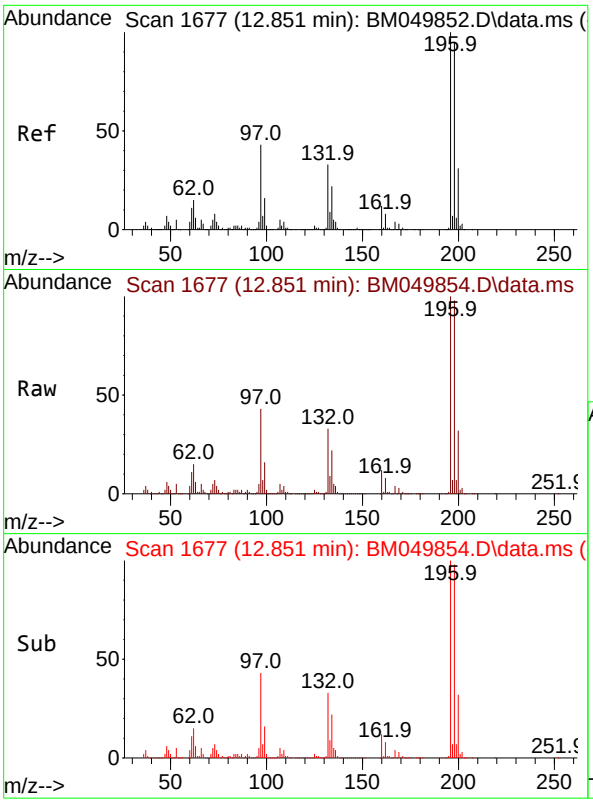


#42
2,4,6-Tribromophenol
Concen: 133.337 ng
RT: 15.915 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:330 Resp: 1794801

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	25.6	23.5	35.3

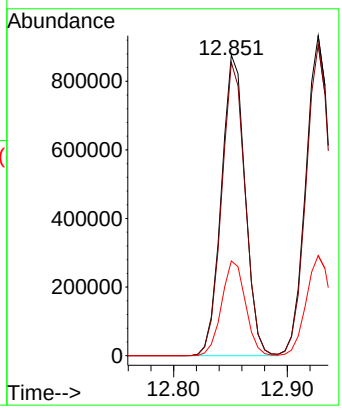




#43
2,4,6-Trichlorophenol
Concen: 61.873 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:196 Resp: 127469

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
200	31.5	24.7	37.1



Instrument :
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ClientSampleId :
SSTDICC060

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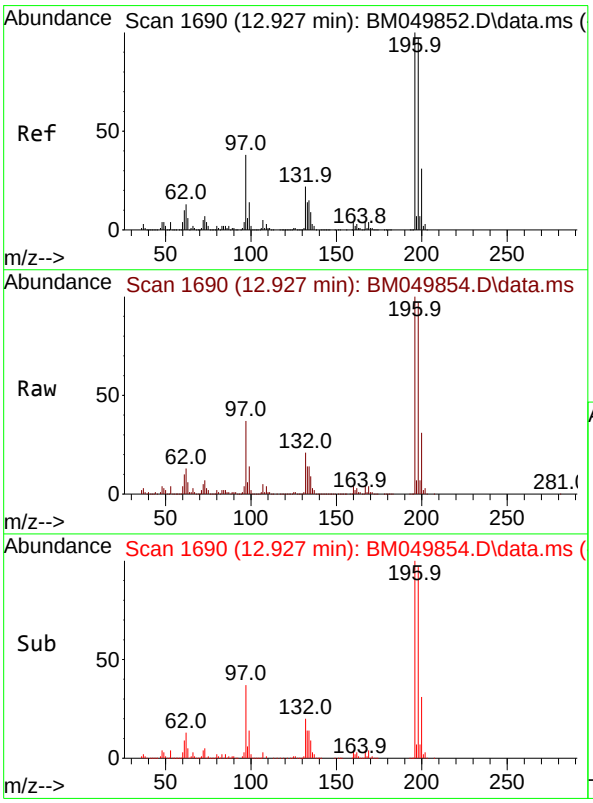
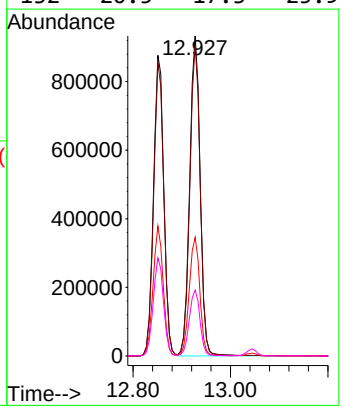
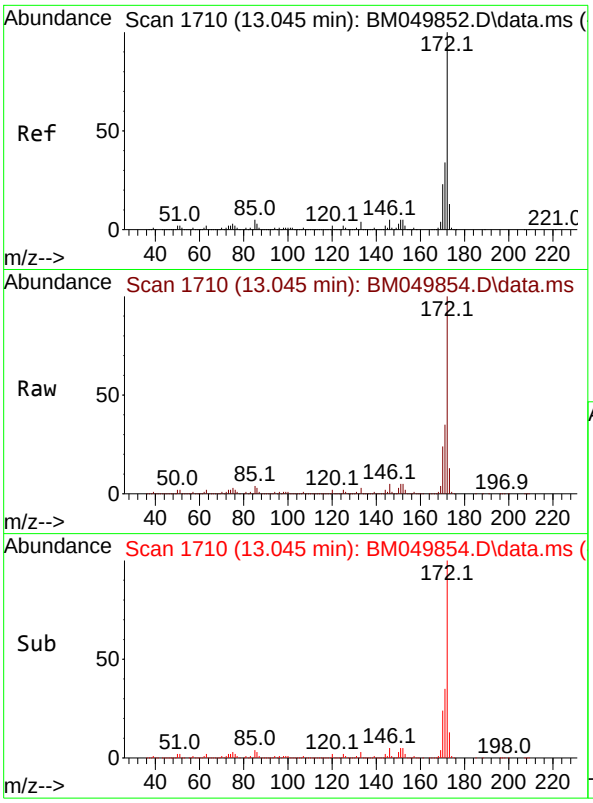


#44
2,4,5-Trichlorophenol
Concen: 62.494 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:196 Resp: 1399112

Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.7	116.5
97	37.1	30.3	45.5
132	20.5	17.3	25.9

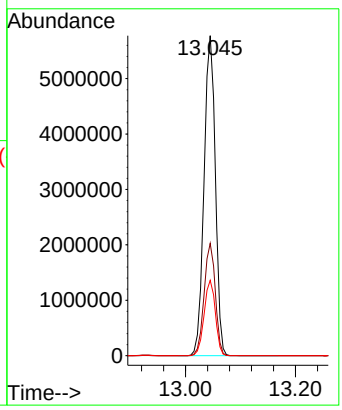




#45
2-Fluorobiphenyl
Concen: 120.538 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:172 Resp: 822625

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
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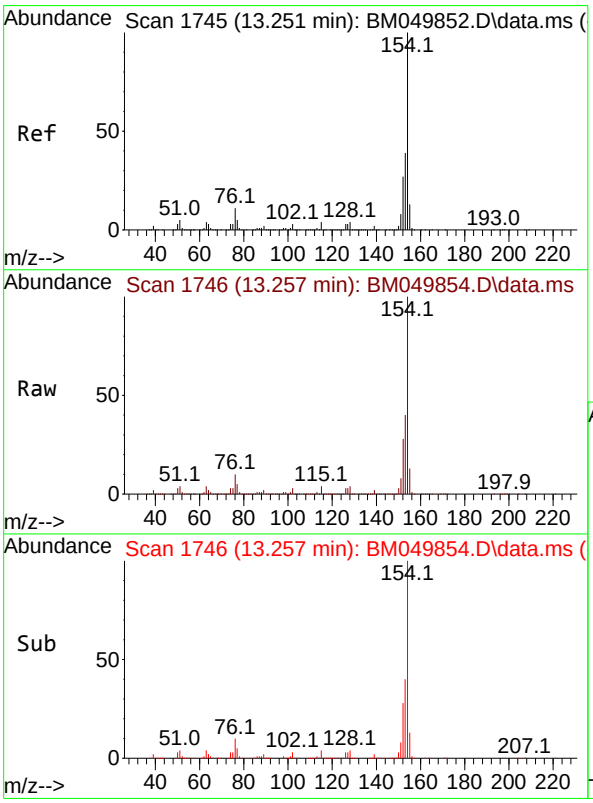
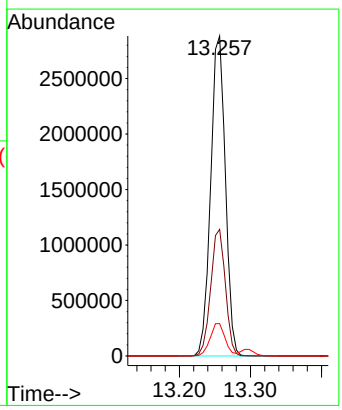
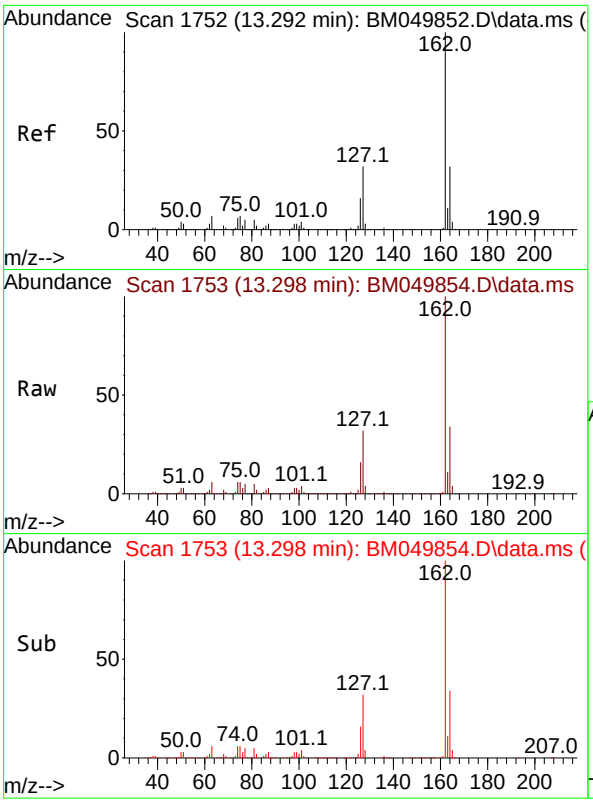


#46
1,1'-Biphenyl
Concen: 60.146 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:154 Resp: 4137656

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	10.1	0.0	30.7

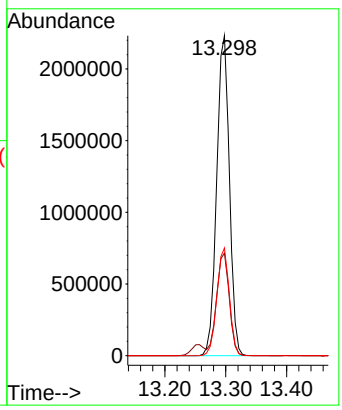




#47
2-Chloronaphthalene
Concen: 59.679 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:162 Resp: 322686

Ion	Ratio	Lower	Upper
162	100		
127	32.0	26.0	39.0
164	33.7	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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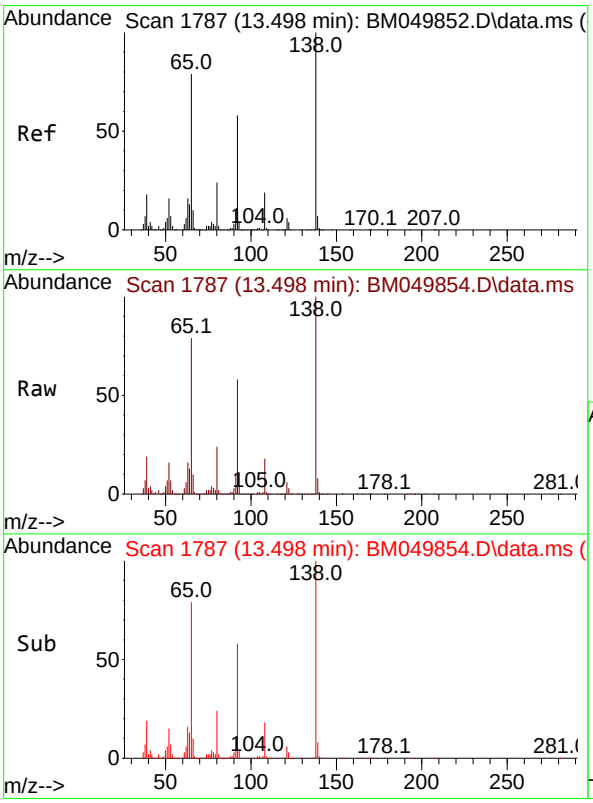
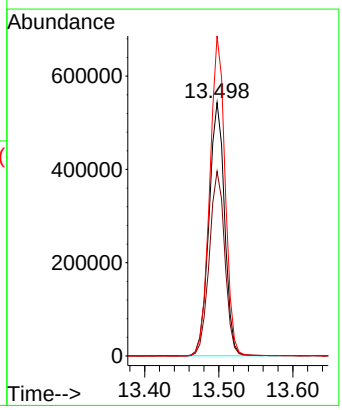
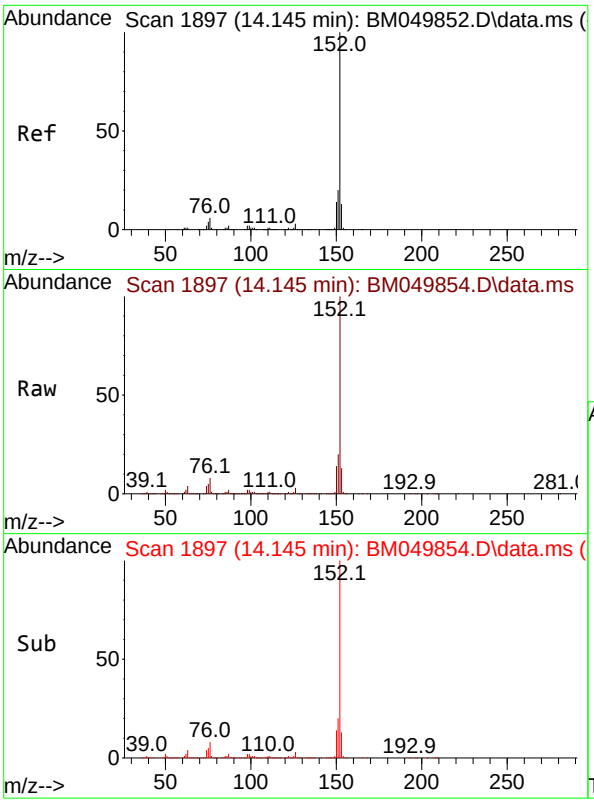


#48
2-Nitroaniline
Concen: 63.562 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 65 Resp: 795093

Ion	Ratio	Lower	Upper
65	100		
92	72.9	58.4	87.6
138	126.3	100.8	151.2

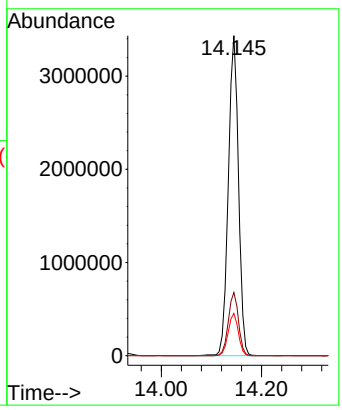




#49
Acenaphthylene
Concen: 61.175 ng
RT: 14.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:152 Resp: 481822

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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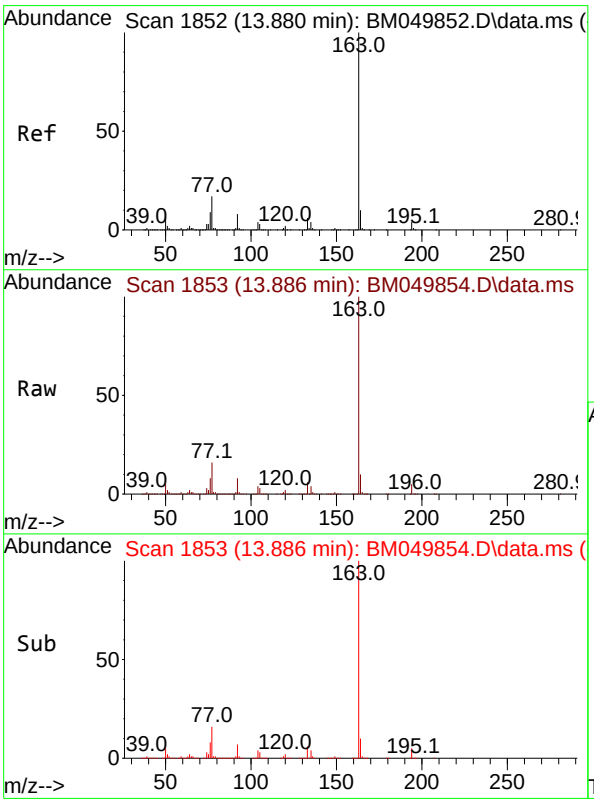
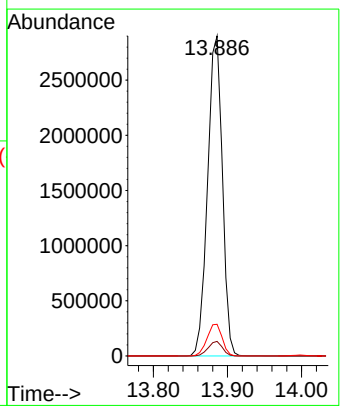
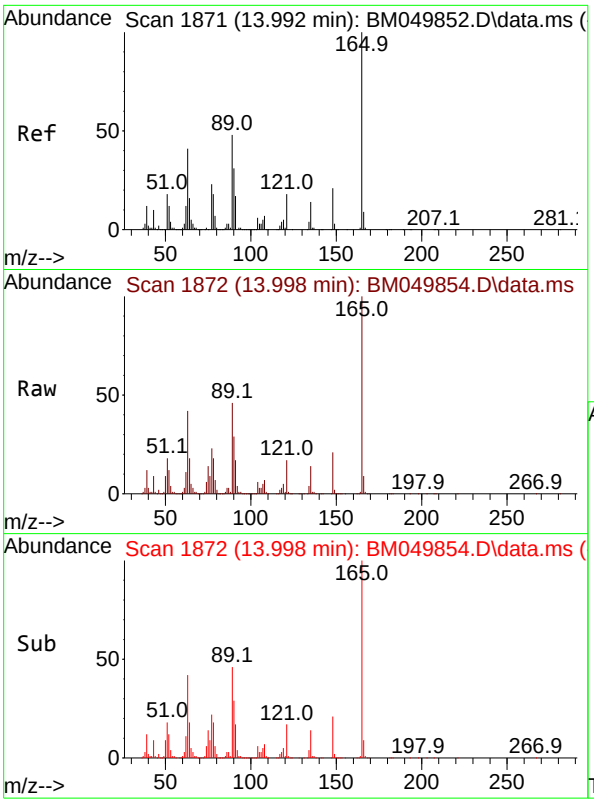


#50
Dimethylphthalate
Concen: 61.481 ng
RT: 13.886 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:163 Resp: 4013924

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 64.439 ng
RT: 13.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:165 Resp: 88143

Ion	Ratio	Lower	Upper
165	100		
63	41.8	36.1	54.1
89	45.5	38.3	57.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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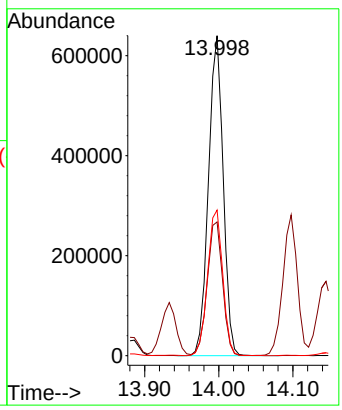
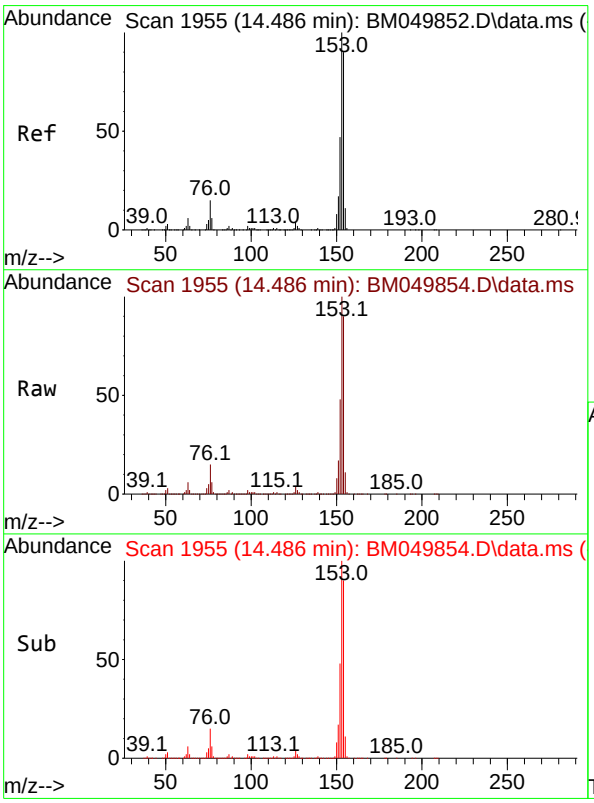
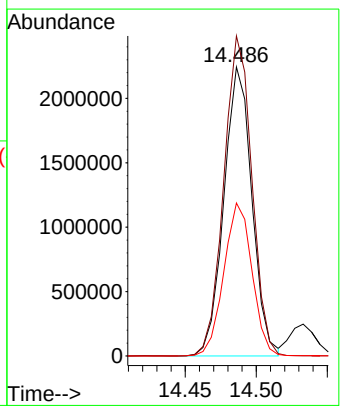


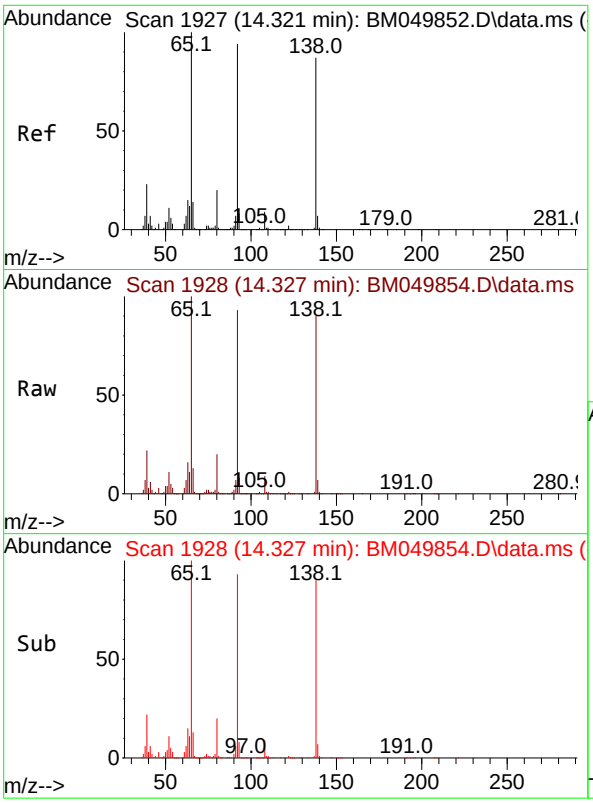


#52
Acenaphthene
Concen: 61.523 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:154 Resp: 3082249

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.3	133.9
152	52.9	42.2	63.2





#53
3-Nitroaniline
Concen: 61.958 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:138 Resp: 81911

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.2	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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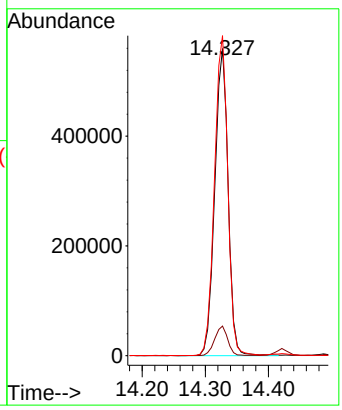
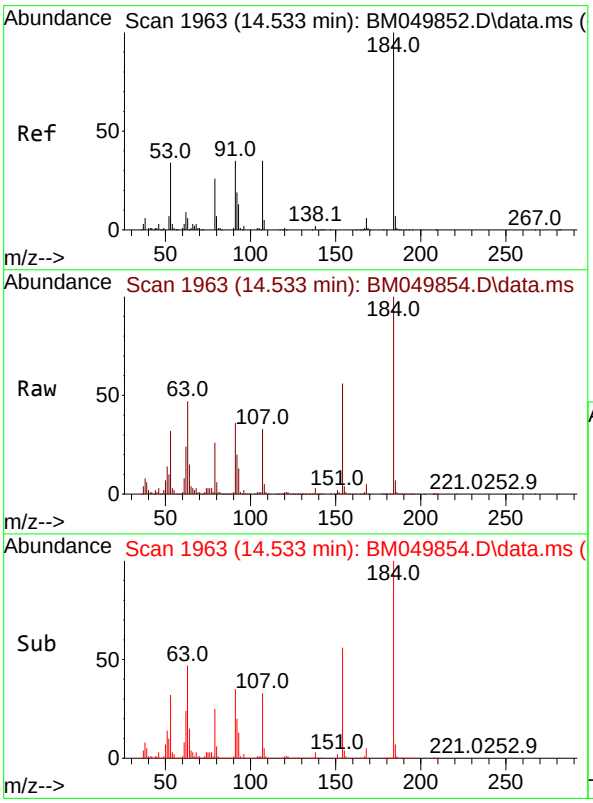
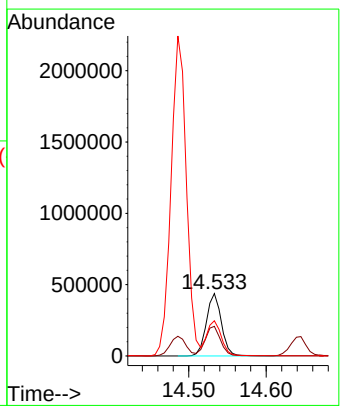


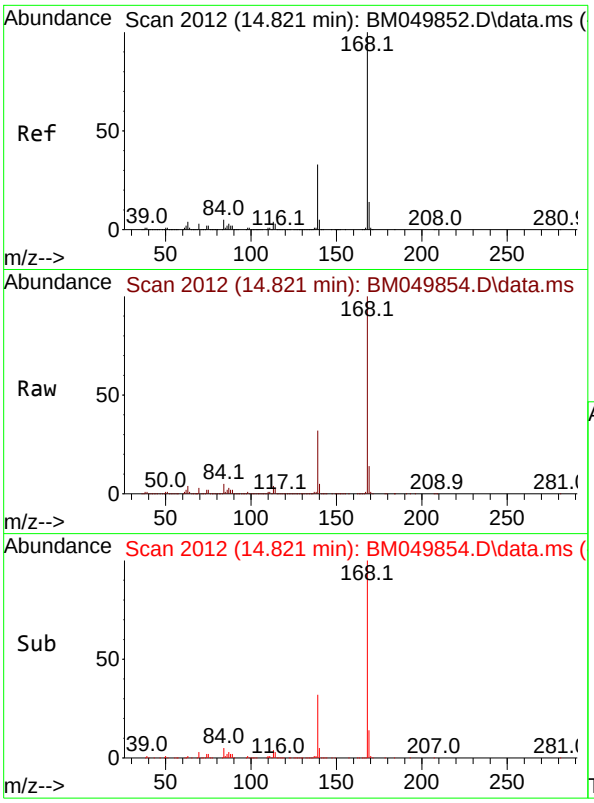


#54
2,4-Dinitrophenol
Concen: 61.369 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:184 Resp: 589583

Ion	Ratio	Lower	Upper
184	100		
63	47.4	38.4	57.6
154	56.4	48.1	72.1

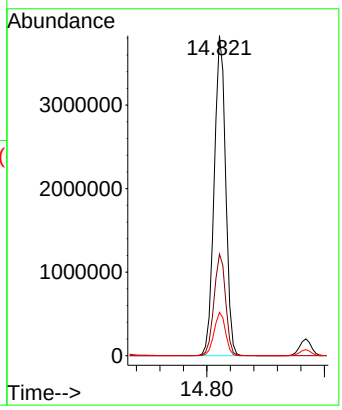




#55
Dibenzofuran
Concen: 61.715 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:168 Resp: 516864

Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.6	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
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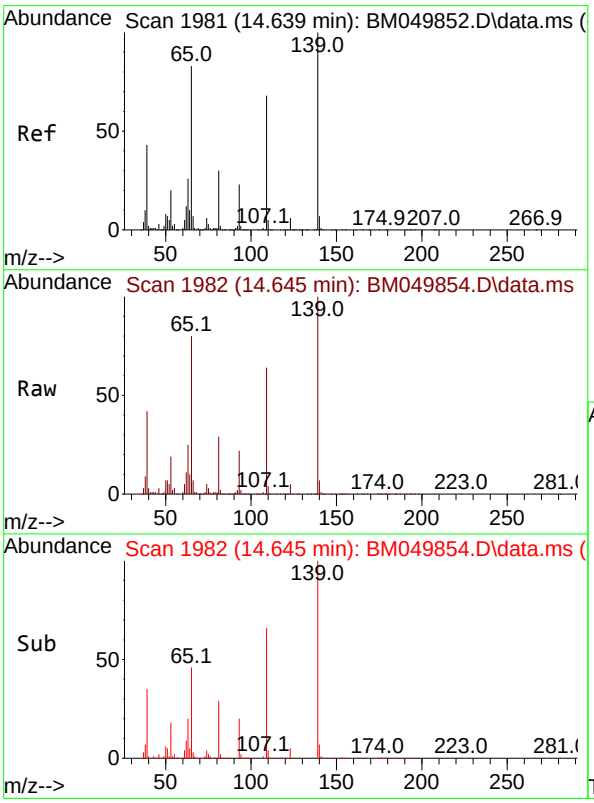
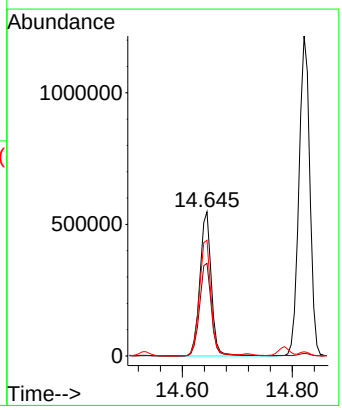
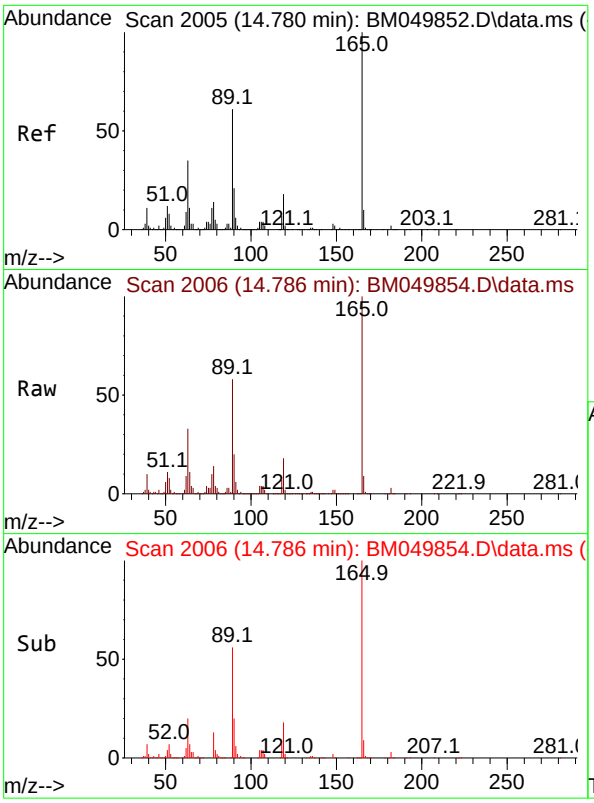


#56
4-Nitrophenol
Concen: 67.391 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:139 Resp: 793938

Ion	Ratio	Lower	Upper
139	100		
109	64.2	47.9	87.9
65	80.3	62.7	102.7

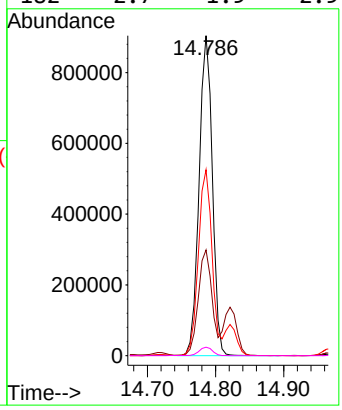




#57
2,4-Dinitrotoluene
Concen: 67.011 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:165 Resp: 122283

Ion	Ratio	Lower	Upper
165	100		
63	33.0	28.6	42.8
89	58.1	49.0	73.6
182	2.7	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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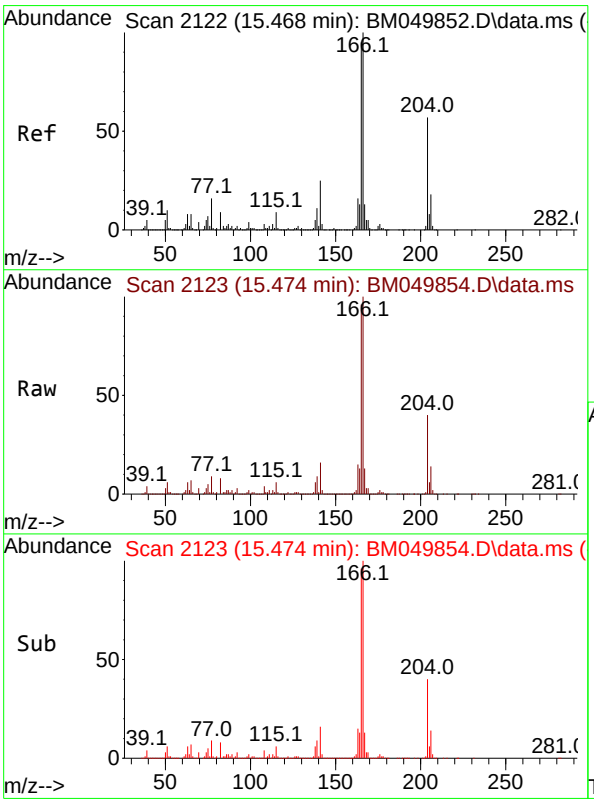
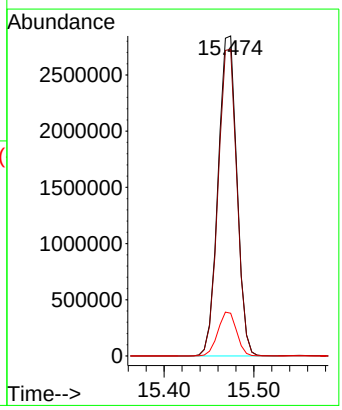
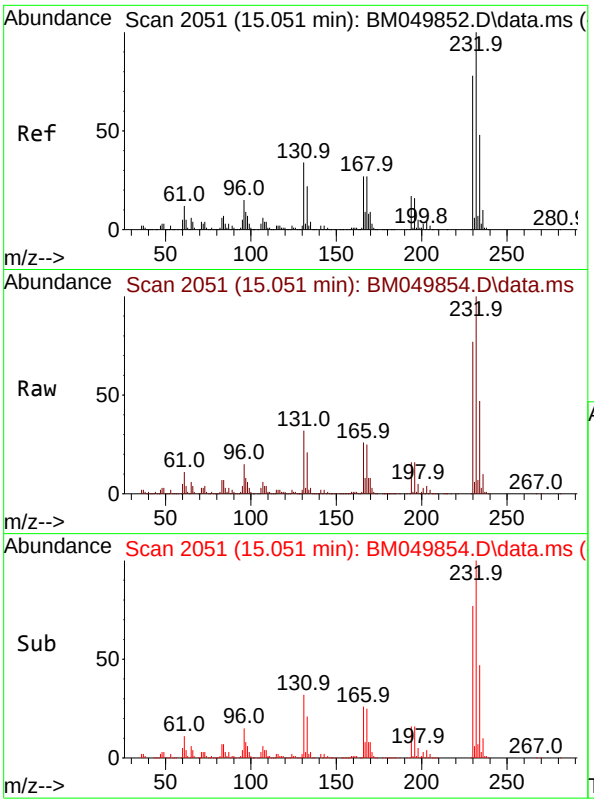


#58
Fluorene
Concen: 62.111 ng
RT: 15.474 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:166 Resp: 4134865

Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.3	114.5
167	13.3	10.7	16.1

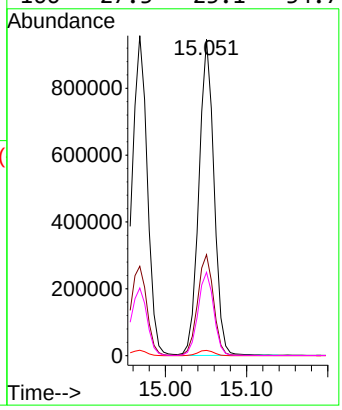




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.237 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:232 Resp: 122125

Ion	Ratio	Lower	Upper
232	100		
131	33.9	28.4	42.6
130	1.8	1.6	2.4
166	27.3	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
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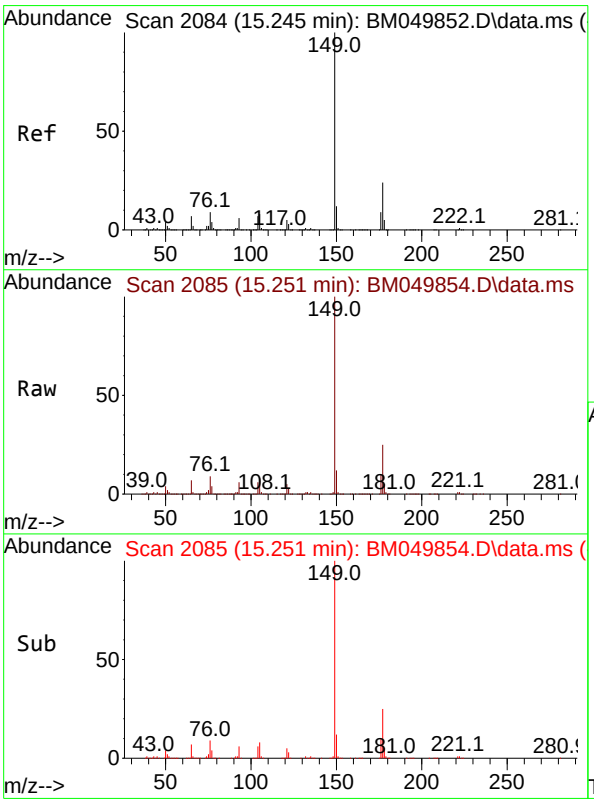
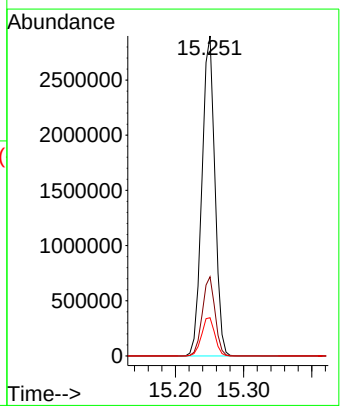
Supervised By :Jagrut Upadhyay 04/09/2025

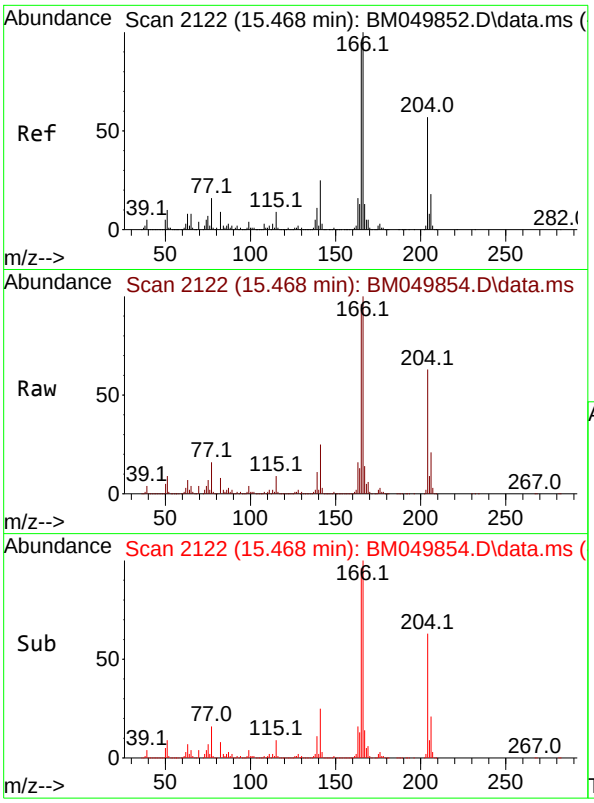


#60
Diethylphthalate
Concen: 61.113 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 3826285

Ion	Ratio	Lower	Upper
149	100		
177	24.8	19.0	28.4
150	11.9	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 64.546 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:204 Resp: 230374

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.2
141	39.9	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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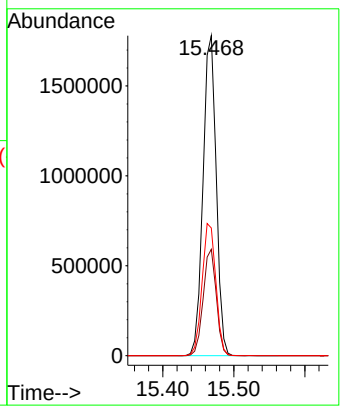
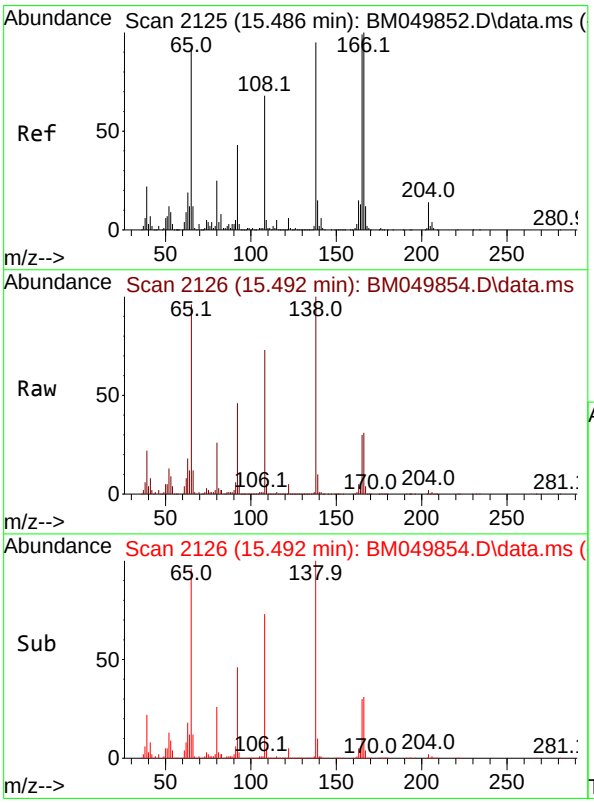
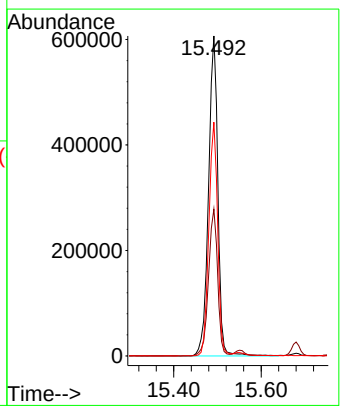


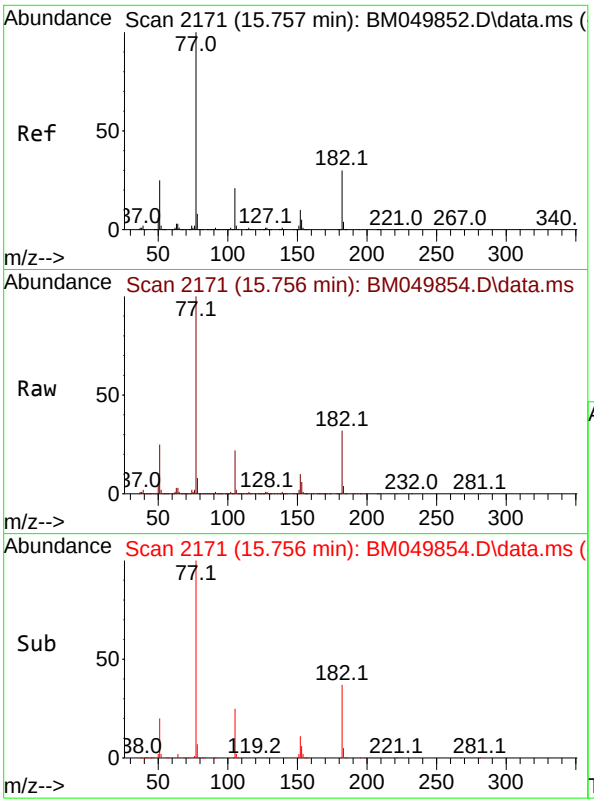


#62
4-Nitroaniline
Concen: 66.324 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:138 Resp: 906760

Ion	Ratio	Lower	Upper
138	100		
92	45.9	24.9	64.9
108	73.1	51.7	91.7

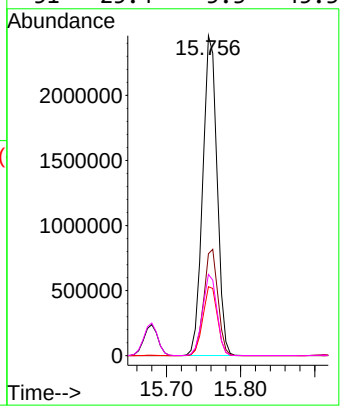




#63
Azobenzene
Concen: 61.760 ng
RT: 15.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 331055

Ion	Ratio	Lower	Upper
77	100		
182	31.9	10.4	50.4
105	21.6	1.5	41.5
51	25.4	5.3	45.3



Instrument :
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ClientSampleId :
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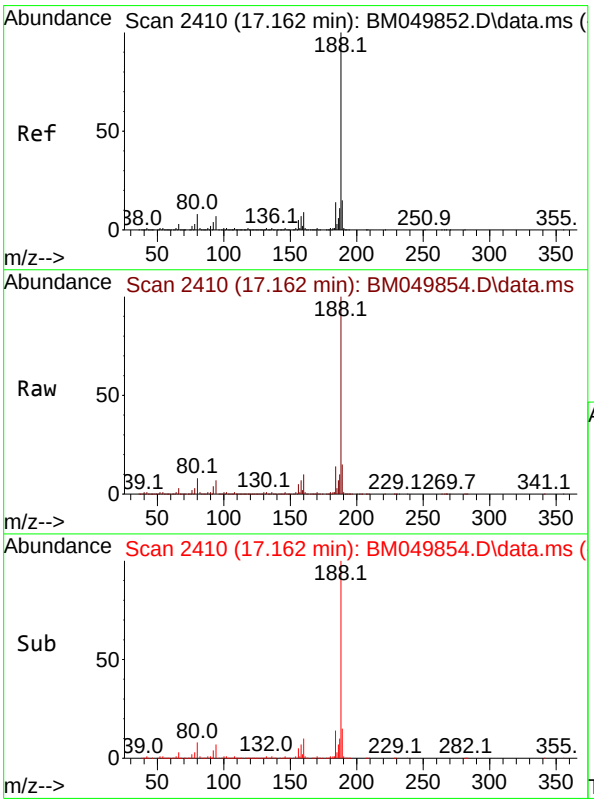
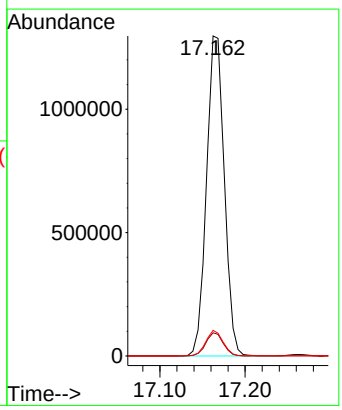
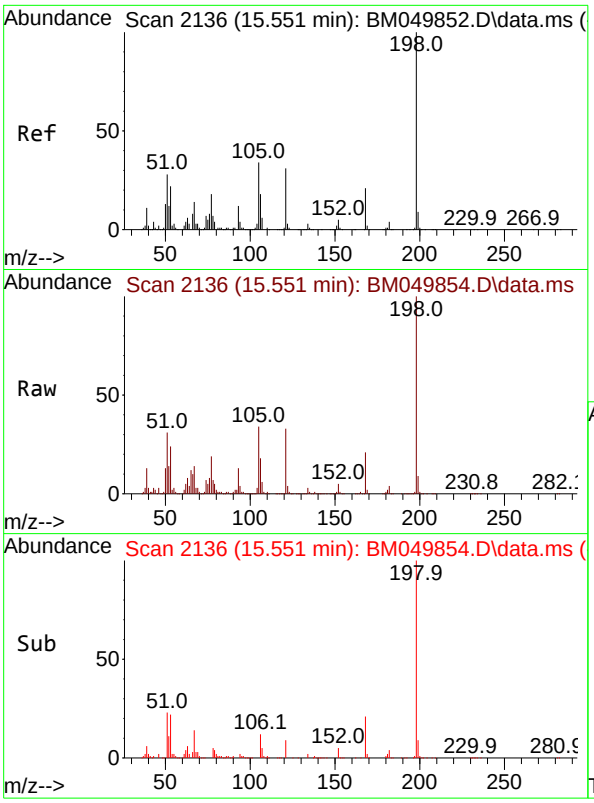


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:188 Resp: 1882039

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.4	9.6

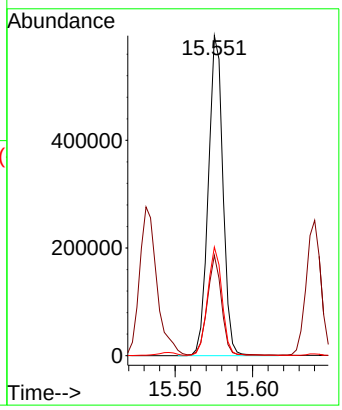




#65
4,6-Dinitro-2-methylphenol
Concen: 65.675 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:198 Resp: 77888

Ion	Ratio	Lower	Upper
198	100		
51	31.3	9.6	49.6
105	33.9	14.7	54.7



Instrument :
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ClientSampleId :
SSTDICC060

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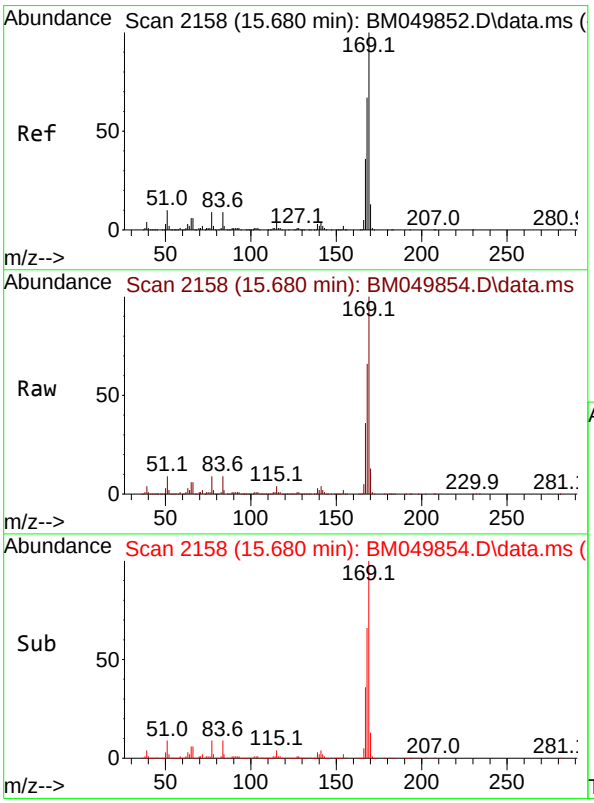
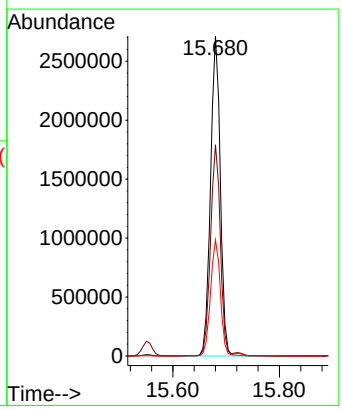
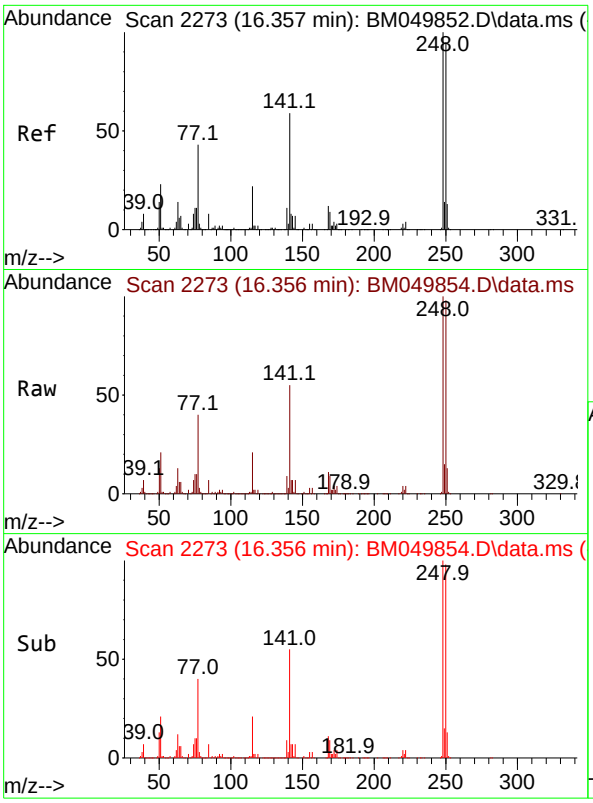


#66
n-Nitrosodiphenylamine
Concen: 61.149 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:169 Resp: 3444083

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.4	80.2
167	36.3	29.0	43.6

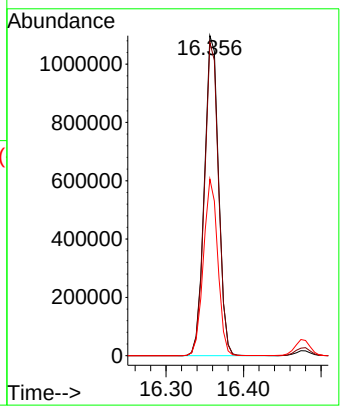




#67
4-Bromophenyl-phenylether
Concen: 63.930 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:248 Resp: 139675

Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.2	114.2
141	55.2	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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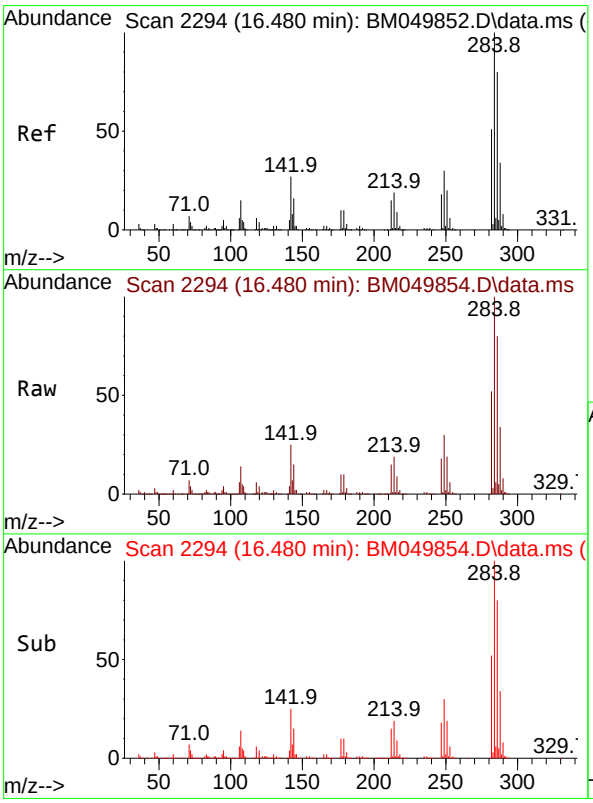
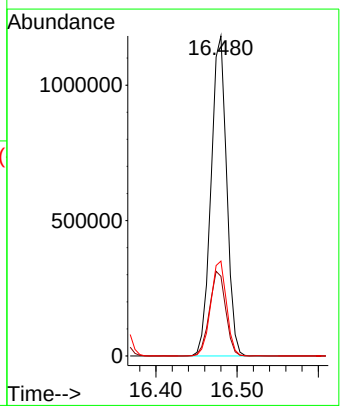
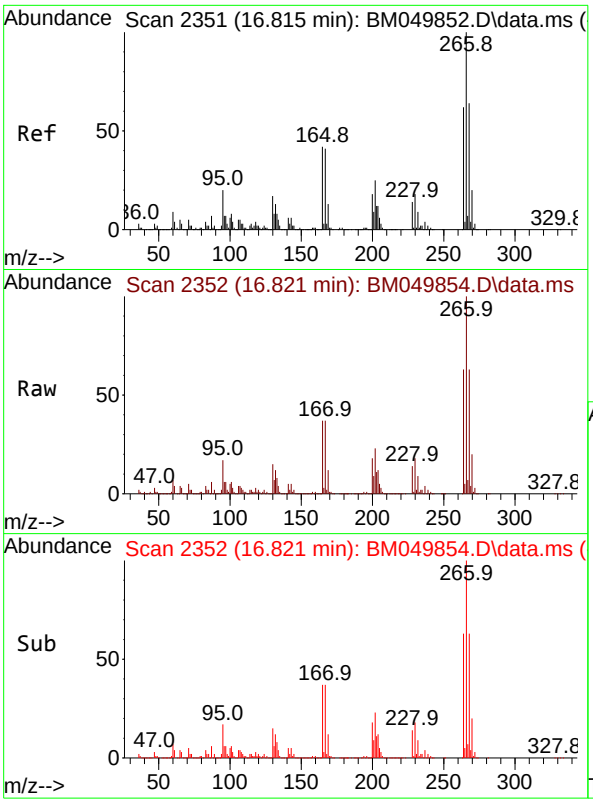


#68
Hexachlorobenzene
Concen: 62.842 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:284 Resp: 1574846

Ion	Ratio	Lower	Upper
284	100		
142	24.9	21.2	31.8
249	29.6	24.1	36.1





#70
Pentachlorophenol
Concen: 62.277 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:266 Resp: 114901

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	63.3	49.8	74.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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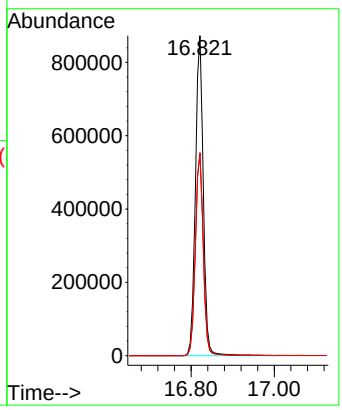
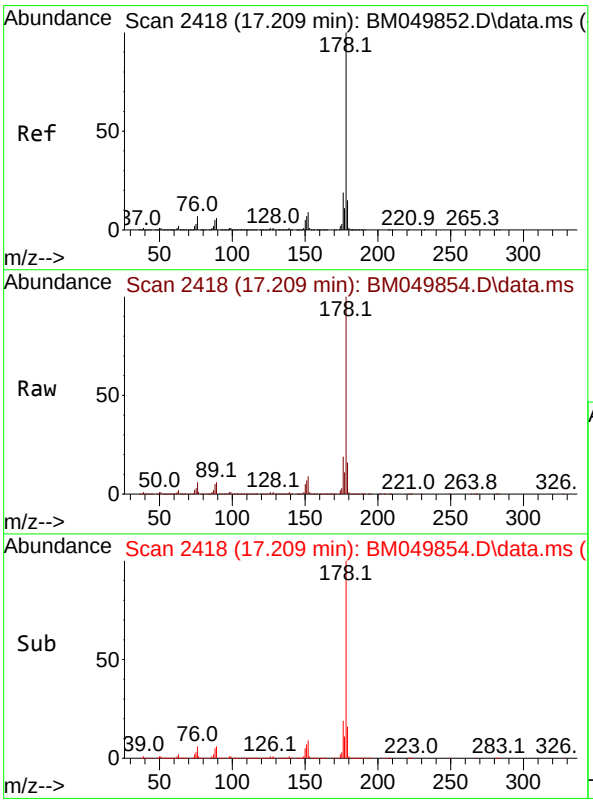
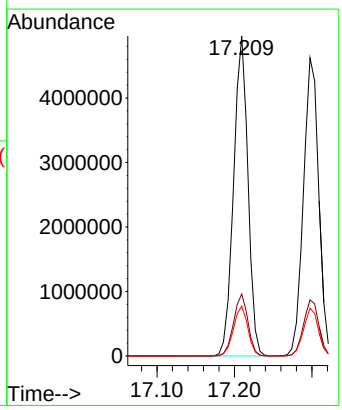


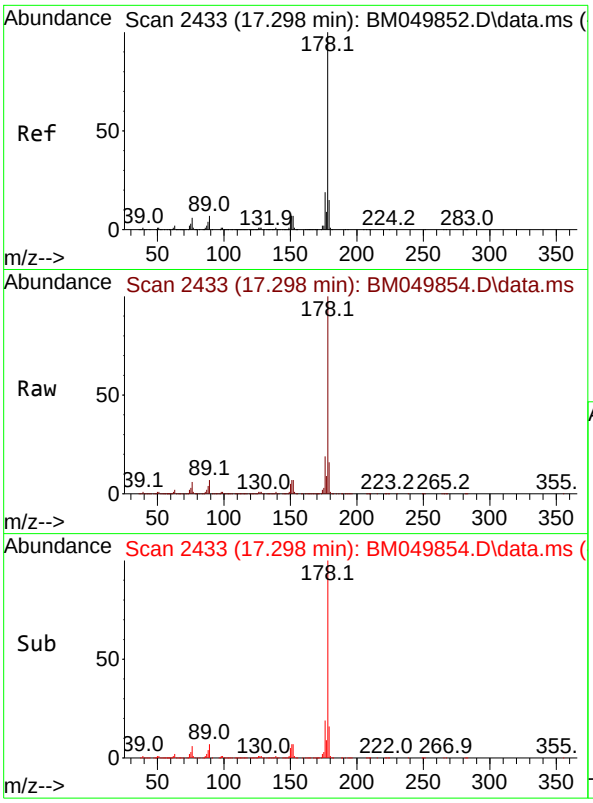


#71
Phenanthrene
Concen: 62.082 ng
RT: 17.209 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:178 Resp: 6405696

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.6	12.3	18.5

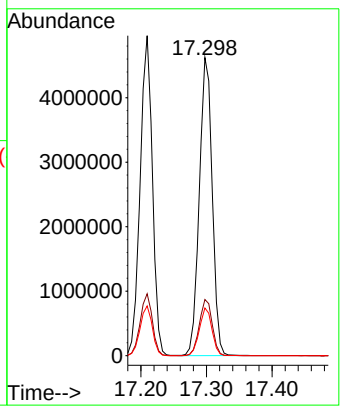




#72
Anthracene
Concen: 62.444 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:178 Resp: 634945

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	16.0	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
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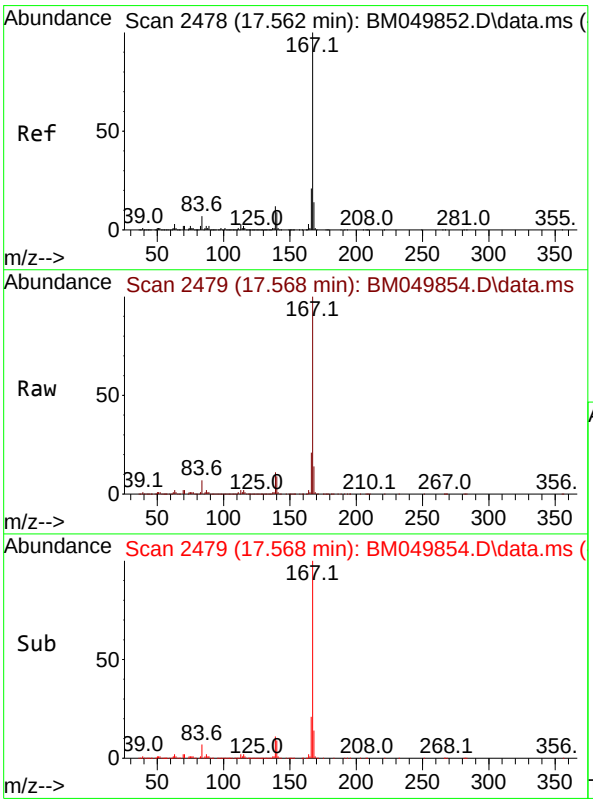
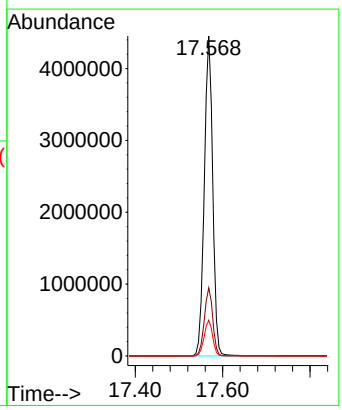
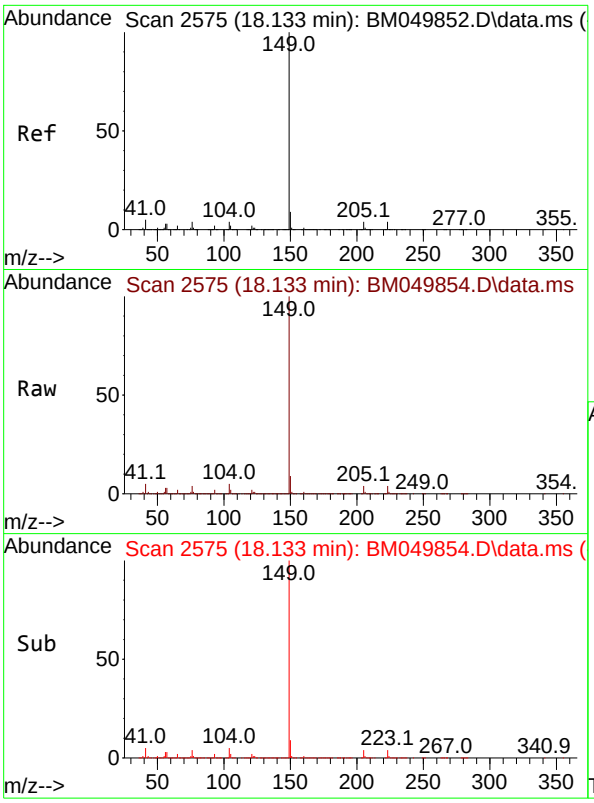


#73
Carbazole
Concen: 62.468 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:167 Resp: 5982768

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.2	9.3	13.9

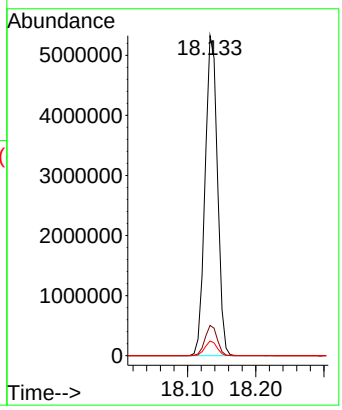




#74
Di-n-butylphthalate
Concen: 60.955 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 672403

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.6	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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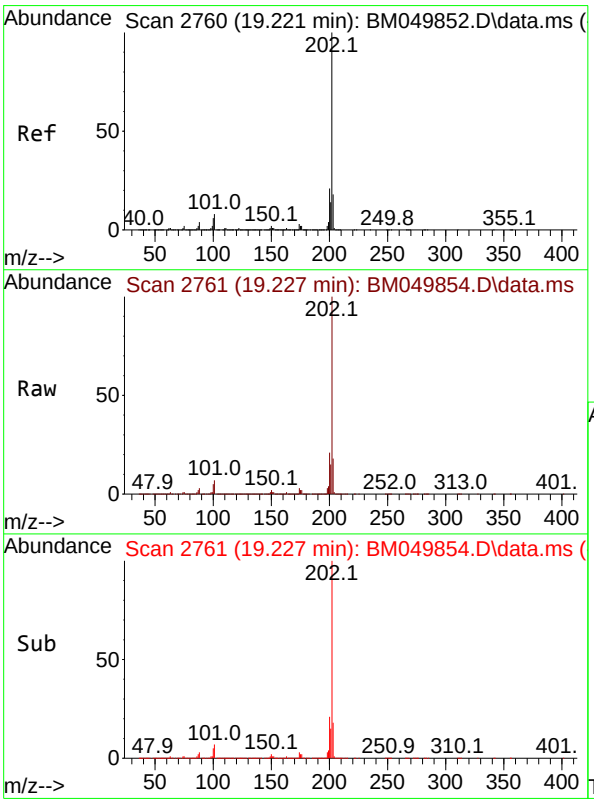
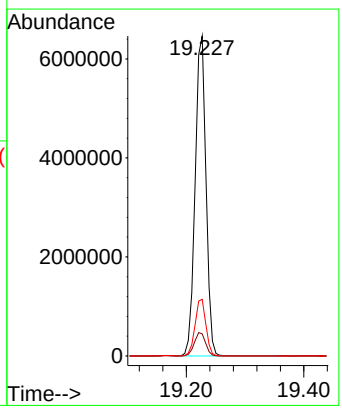
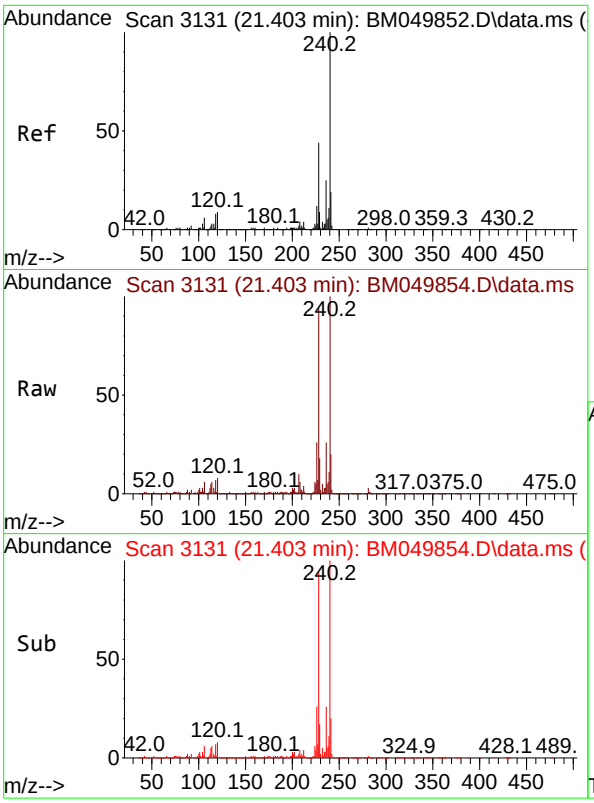


#75
Fluoranthene
Concen: 65.108 ng
RT: 19.227 min Scan# 2761
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:202 Resp: 8260007

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.4
203	17.7	0.0	37.8

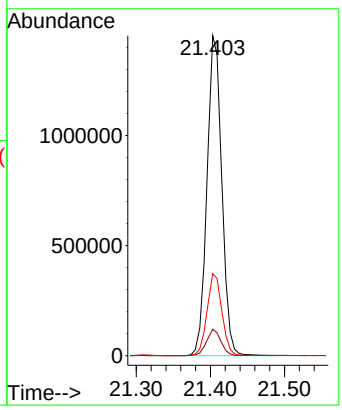




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:240 Resp: 201820

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.9	10.3
236	25.7	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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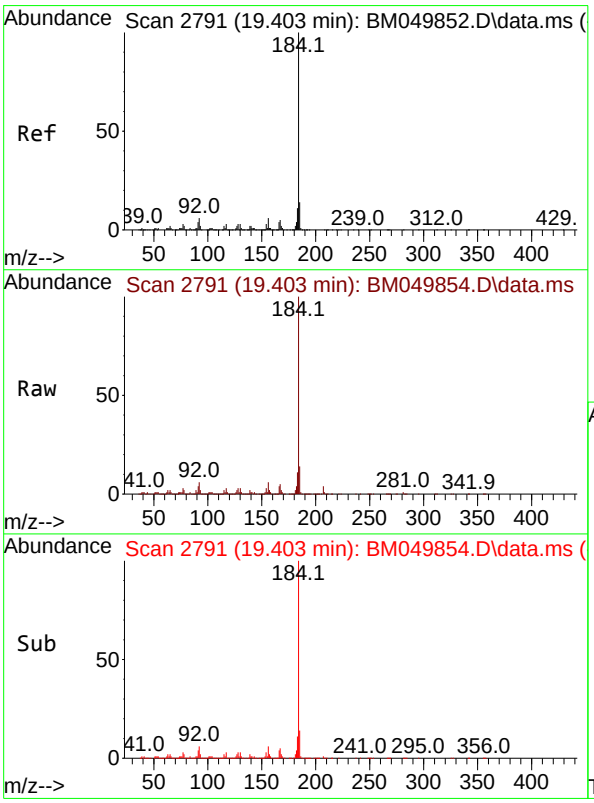
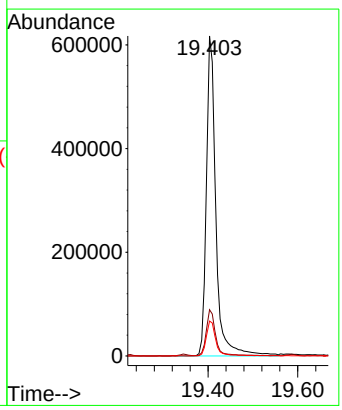
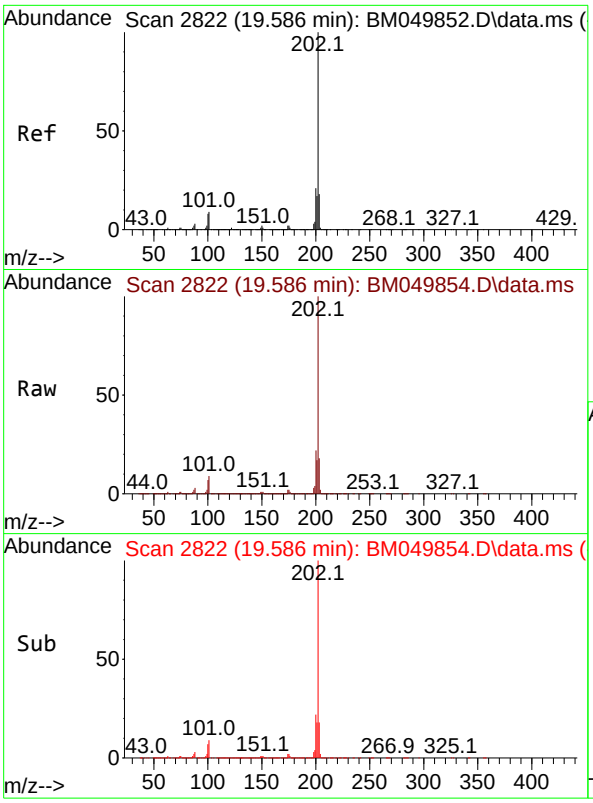


#77
Benzidine
Concen: 33.955 ng
RT: 19.403 min Scan# 2791
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:184 Resp: 909121

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	10.9	8.8	13.2





#78
Pyrene
Concen: 61.771 ng
RT: 19.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

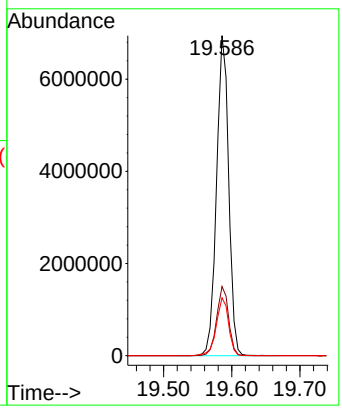
Tgt Ion:202 Resp: 859175

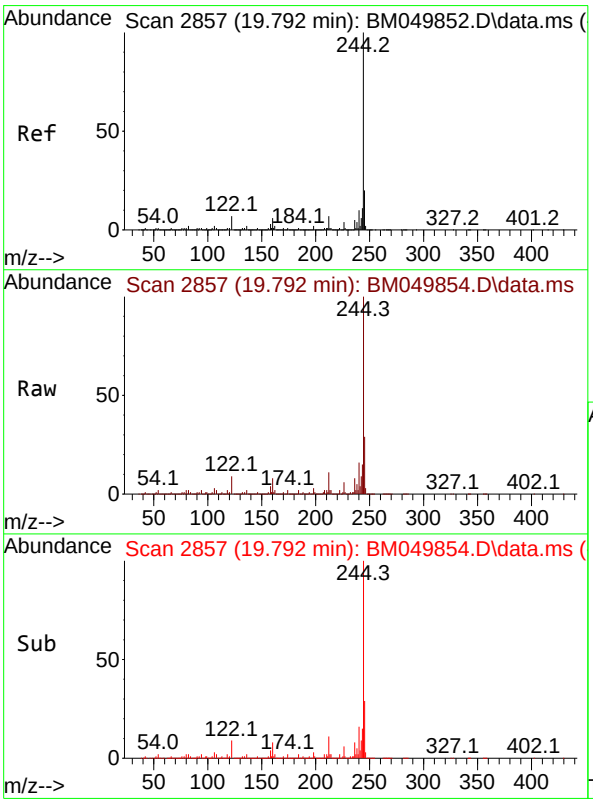
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	18.1	14.0	21.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

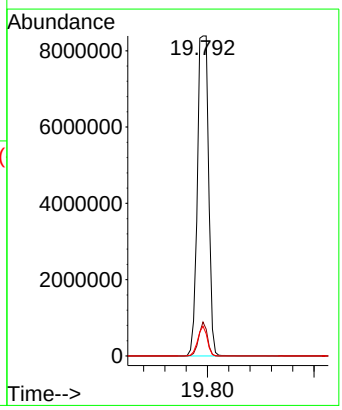


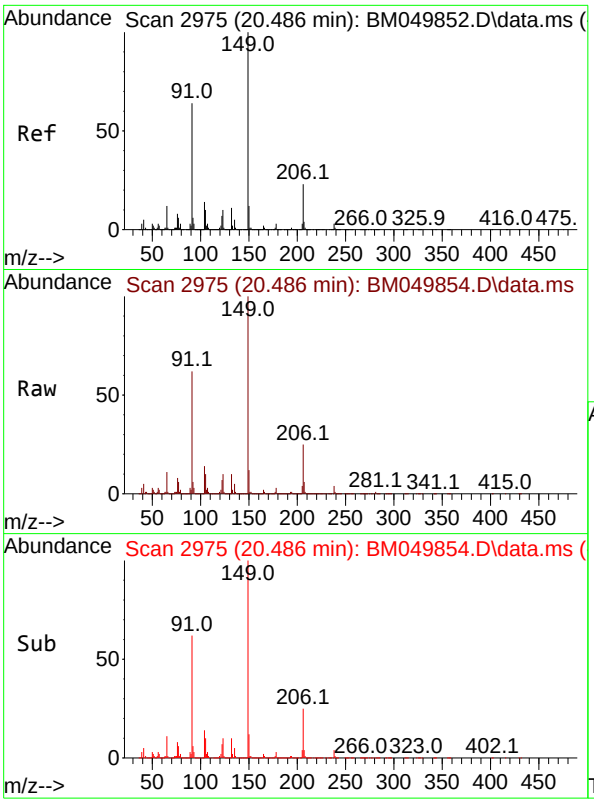


#79
Terphenyl-d14
Concen: 113.188 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:244 Resp:12189474

Ion	Ratio	Lower	Upper
244	100		
212	10.6	5.5	8.3#
122	9.3	5.4	8.0#

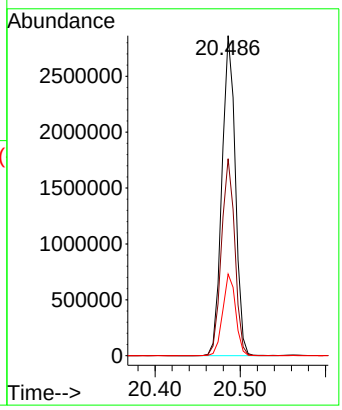




#80
Butylbenzylphthalate
Concen: 59.763 ng
RT: 20.486 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 312345

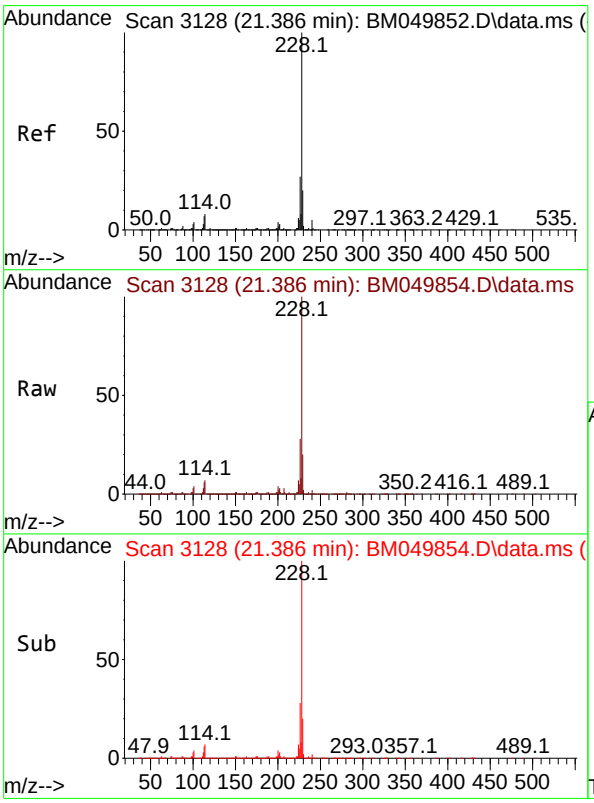
Ion	Ratio	Lower	Upper
149	100		
91	61.5	50.9	76.3
206	25.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

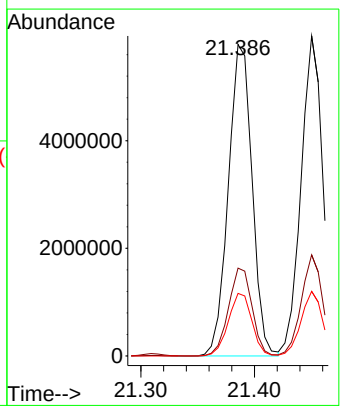
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

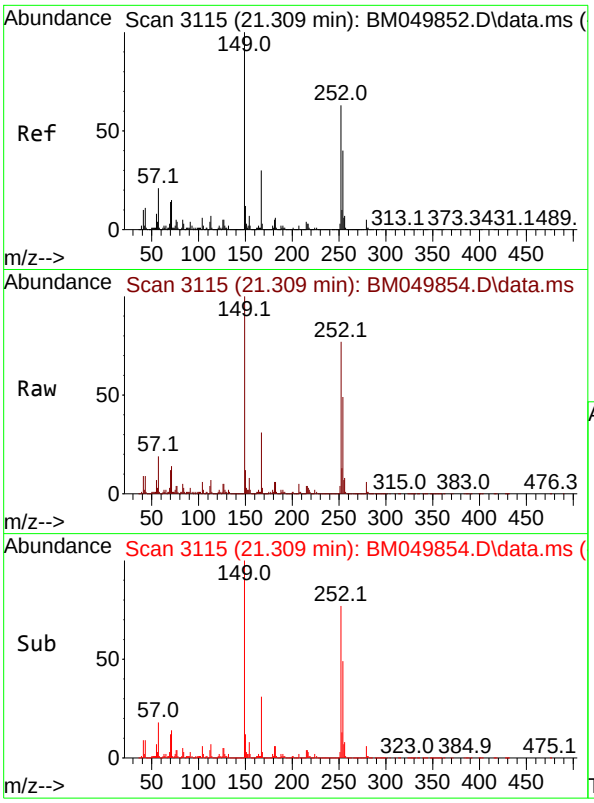


#81
Benzo(a)anthracene
Concen: 62.811 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:228 Resp: 8424711

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	20.1	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 64.252 ng
RT: 21.309 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

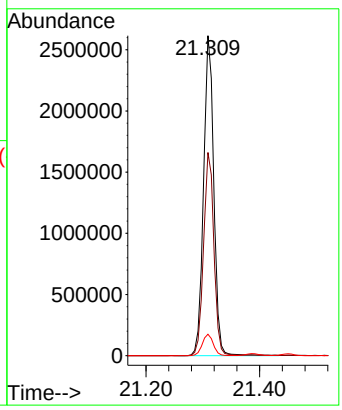
Tgt Ion:252 Resp: 325453

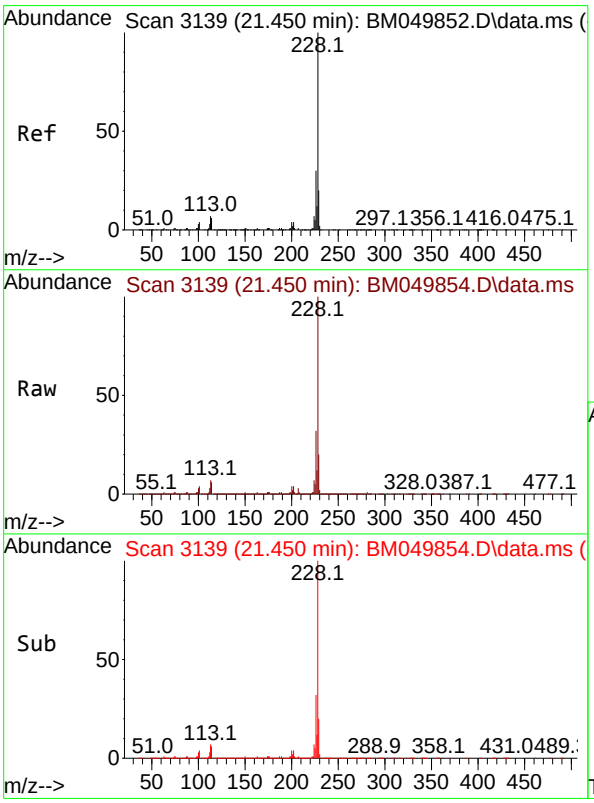
Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	6.7	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

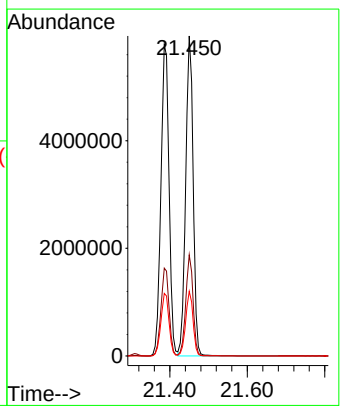


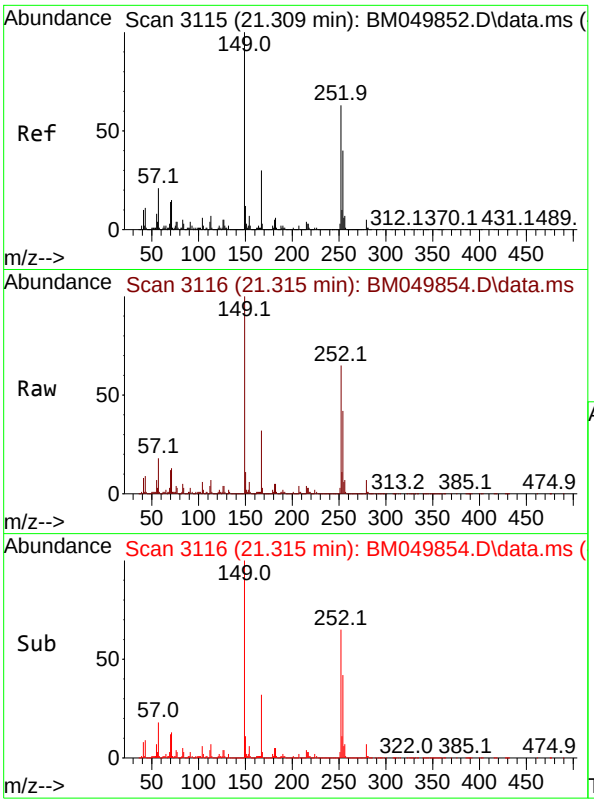


#83
Chrysene
Concen: 62.573 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:228 Resp: 7979154

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	20.2	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 57.790 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

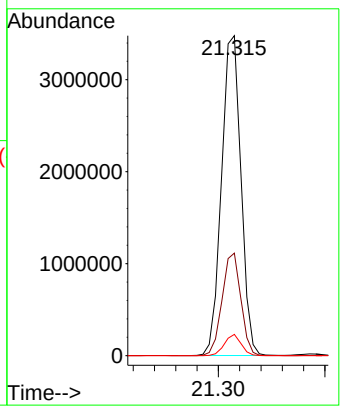
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

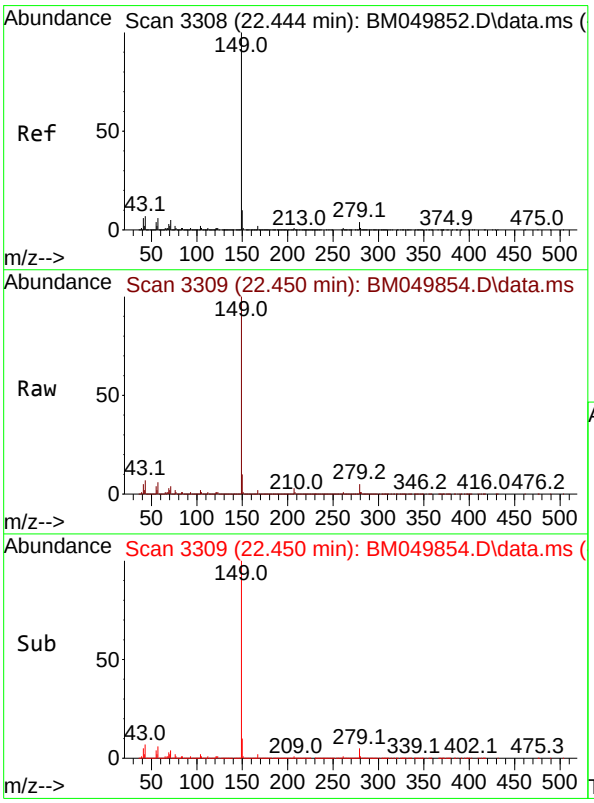
Tgt Ion:149 Resp: 440046

Ion	Ratio	Lower	Upper
149	100		
167	32.1	23.8	35.6
279	6.7	3.8	5.8

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

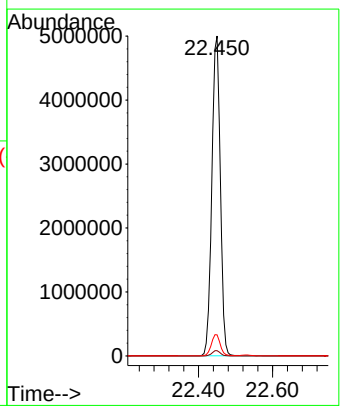


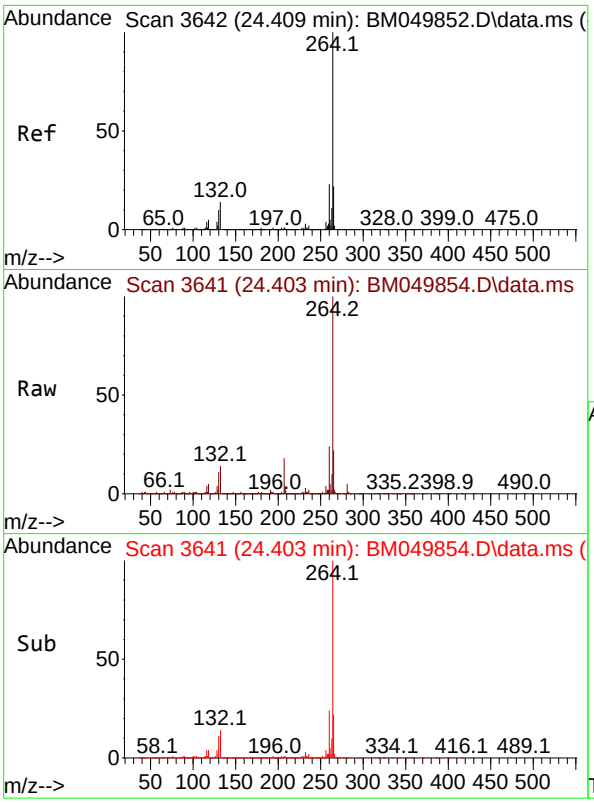


#85
Di-n-octyl phthalate
Concen: 59.593 ng
RT: 22.450 min Scan# 3309
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 7938550

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

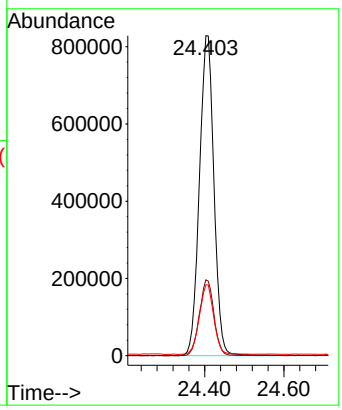




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:264 Resp: 210323

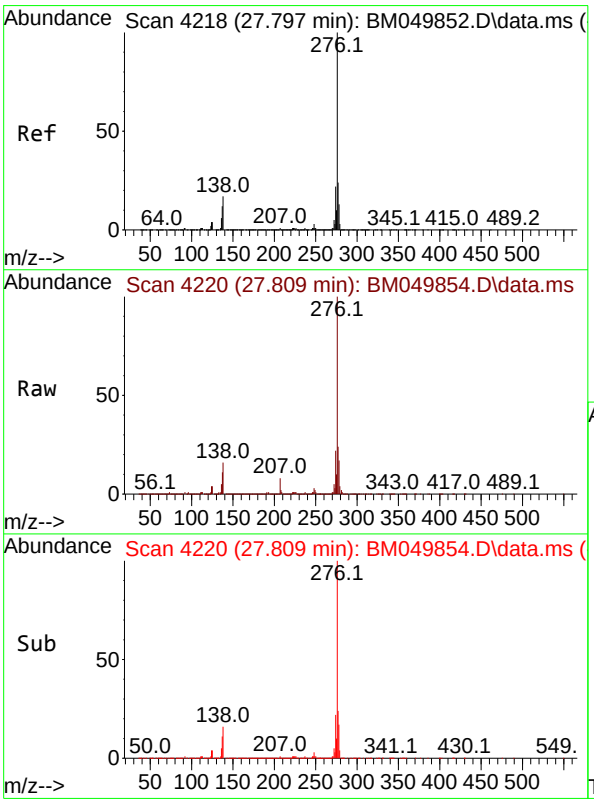
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	22.1	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

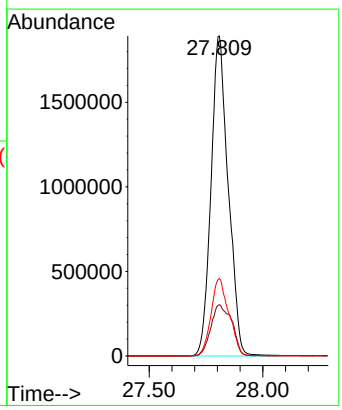
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

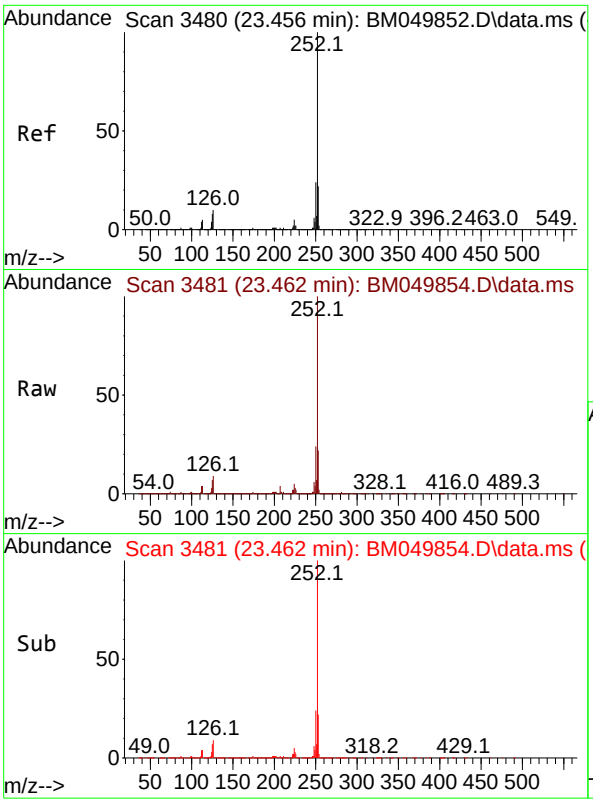


#87
Indeno(1,2,3-cd)pyrene
Concen: 63.483 ng
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:276 Resp: 9952687

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	25.1	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 64.785 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

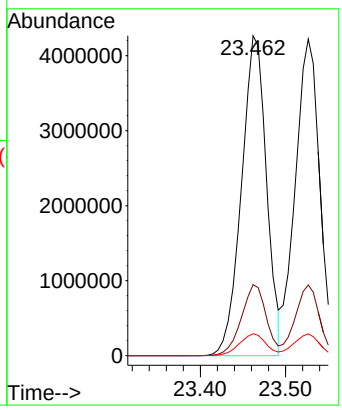
Tgt Ion:252 Resp: 870223

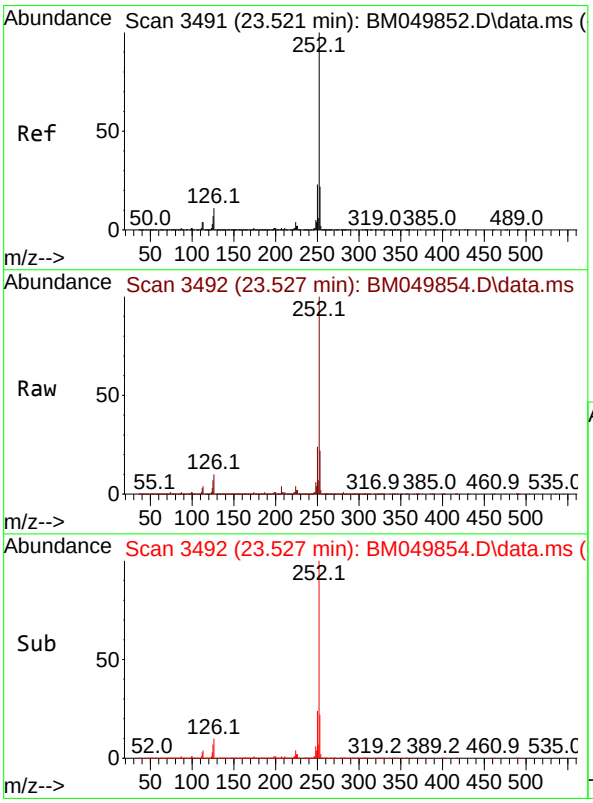
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	6.9	6.2	9.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

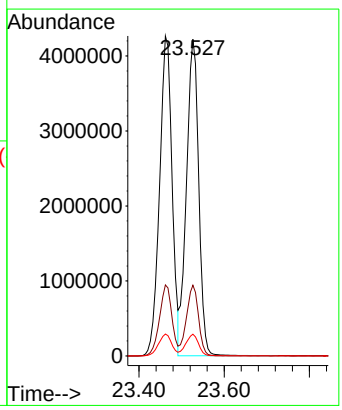


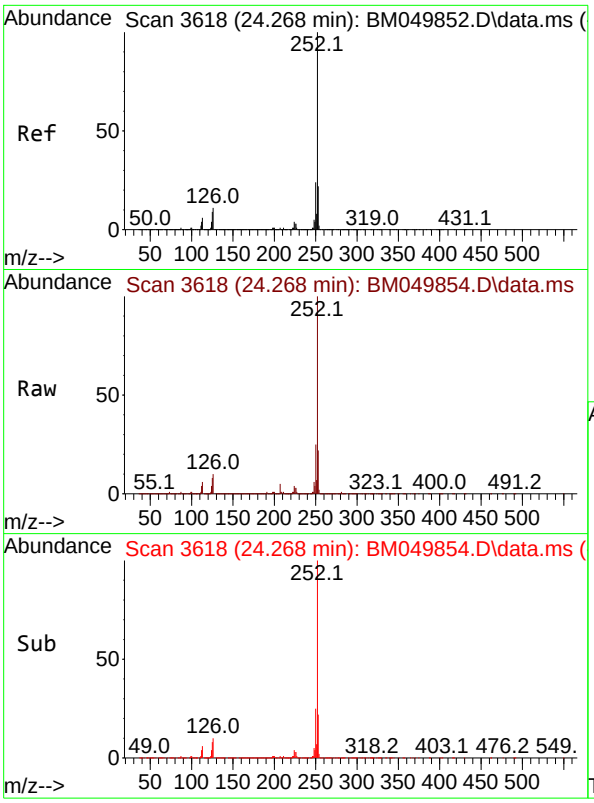


#89
Benzo(k)fluoranthene
Concen: 64.749 ng
RT: 23.527 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 8428431

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.9	5.8	8.8

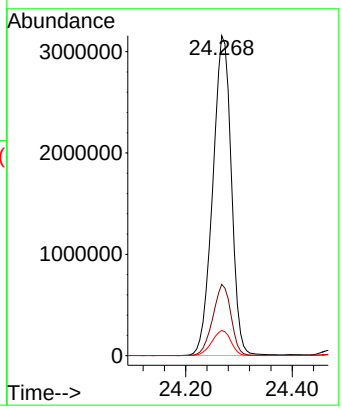




#90
Benzo(a)pyrene
Concen: 64.633 ng
RT: 24.268 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 762910

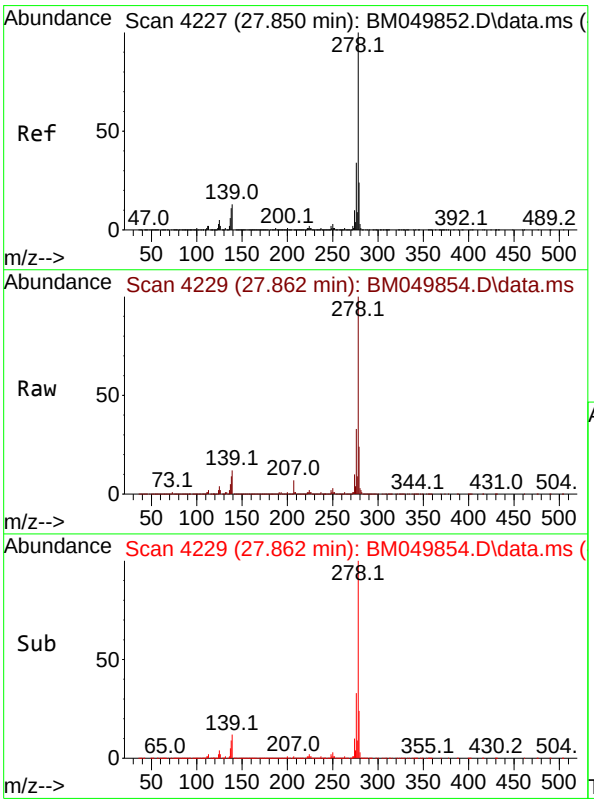
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	7.9	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

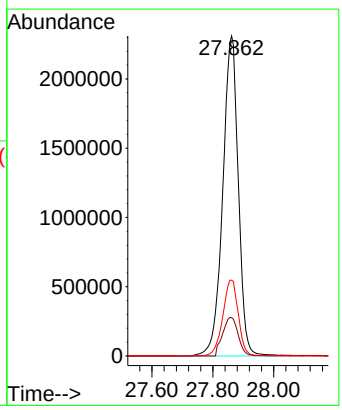
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

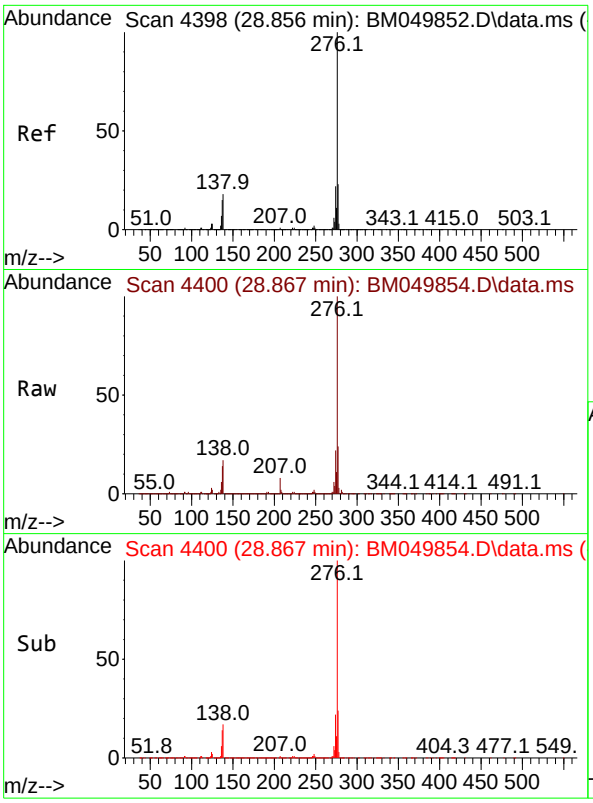


#91
Dibenzo(a,h)anthracene
Concen: 63.546 ng
RT: 27.862 min Scan# 4229
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:278 Resp: 8206056

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.6	15.8
279	23.7	19.1	28.7

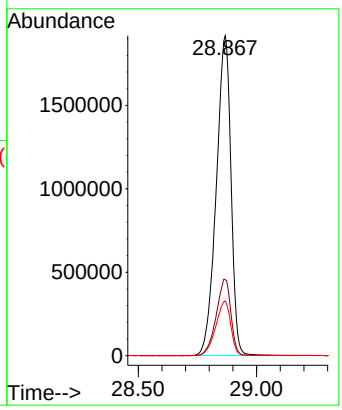




#92
Benzo(g,h,i)perylene
Concen: 62.639 ng
RT: 28.867 min Scan# 44
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:276 Resp: 826585

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	17.1	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	337265	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1122639	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	724372	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1472595	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1558603	20.000	ng	0.00
86) Perylene-d12	24.403	264	1599218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	3176757	159.945	ng	0.00
7) Phenol-d6	6.957	99	4006393	162.127	ng	0.00
23) Nitrobenzene-d5	8.940	82	3331067	165.228	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1903078	180.622	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8715915	163.160	ng	0.00
79) Terphenyl-d14	19.786	244	12523857	150.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	651448	79.642	ng	99
3) Pyridine	3.663	79	1721709m	80.145	ng	
4) n-Nitrosodimethylamine	3.569	42	657792	80.428	ng	98
6) Aniline	7.104	93	1557071	73.535	ng	99
8) 2-Chlorophenol	7.346	128	1617379	79.461	ng	99
9) Benzaldehyde	6.916	77	756625	59.716	ng	98
10) Phenol	6.981	94	1957010	81.154	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1502774	79.467	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1900533	78.977	ng	98
13) 1,4-Dichlorobenzene	7.816	146	1924197	79.467	ng	99
14) 1,2-Dichlorobenzene	8.134	146	1799229	78.890	ng	100
15) Benzyl Alcohol	8.022	79	1282444	82.414	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1638145	77.719	ng	99
17) 2-Methylphenol	8.228	107	1183257	79.623	ng	99
18) Hexachloroethane	8.857	117	658294	78.143	ng	97
19) n-Nitroso-di-n-propyla...	8.592	70	1100668	80.420	ng	99
20) 3+4-Methylphenols	8.557	107	1639646	80.930	ng	98
22) Acetophenone	8.604	105	2212514	81.093	ng	98
24) Nitrobenzene	8.981	77	1588049	81.805	ng	99
25) Isophorone	9.510	82	2783323	82.413	ng	99
26) 2-Nitrophenol	9.687	139	885850	86.097	ng	100
27) 2,4-Dimethylphenol	9.757	122	990665	84.960	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1849648	81.806	ng	99
29) 2,4-Dichlorophenol	10.228	162	1635110	84.360	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1854479	82.705	ng	99
31) Naphthalene	10.622	128	4692325	81.343	ng	99
32) Benzoic acid	9.934	122	1270650	80.764	ng	98
33) 4-Chloroaniline	10.734	127	1644863	80.751	ng	99
34) Hexachlorobutadiene	10.916	225	1160306	83.656	ng	99
35) Caprolactam	11.533	113	468650	84.302	ng	97
36) 4-Chloro-3-methylphenol	11.869	107	1439396	84.779	ng	99
37) 2-Methylnaphthalene	12.239	142	3388769	83.379	ng	100
38) 1-Methylnaphthalene	12.457	142	3285148	82.967	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	2135182	84.255	ng	99
41) Hexachlorocyclopentadiene	12.592	237	725972	81.754	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	1356737	84.134	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1477695	84.323	ng		99
46) 1,1'-Biphenyl	13.257	154	4390713	81.540	ng		99
47) 2-Chloronaphthalene	13.298	162	3444094	81.376	ng		98
48) 2-Nitroaniline	13.498	65	853486	87.168	ng		98
49) Acenaphthylene	14.145	152	5122399	83.088	ng		99
50) Dimethylphthalate	13.880	163	4216670	82.512	ng		99
51) 2,6-Dinitrotoluene	13.998	165	927781	86.653	ng		96
52) Acenaphthene	14.486	154	3264918	83.258	ng		100
53) 3-Nitroaniline	14.327	138	930646	89.933	ng		96
54) 2,4-Dinitrophenol	14.533	184	625443	80.604	ng		97
55) Dibenzofuran	14.821	168	5445586	83.068	ng		98
56) 4-Nitrophenol	14.639	139	835691	90.623	ng		99
57) 2,4-Dinitrotoluene	14.786	165	1283341	89.846	ng		96
58) Fluorene	15.469	166	4360823	83.687	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1308821	85.213	ng		97
60) Diethylphthalate	15.251	149	4046865	82.577	ng		98
61) 4-Chlorophenyl-phenyle...	15.469	204	2422112	86.698	ng		96
62) 4-Nitroaniline	15.492	138	958937	89.608	ng		98
63) Azobenzene	15.757	77	3477801	82.888	ng		98
65) 4,6-Dinitro-2-methylph...	15.551	198	824411	88.841	ng		99
66) n-Nitrosodiphenylamine	15.680	169	3615164	82.034	ng		100
67) 4-Bromophenyl-phenylether	16.357	248	1482215	86.704	ng		96
68) Hexachlorobenzene	16.474	284	1670677	85.201	ng		100
70) Pentachlorophenol	16.821	266	1238924	85.821	ng		99
71) Phenanthrene	17.210	178	6757399	83.700	ng		99
72) Anthracene	17.298	178	6714186	84.390	ng		100
73) Carbazole	17.568	167	6306654	84.159	ng		99
74) Di-n-butylphthalate	18.133	149	7042435	81.592	ng		100
75) Fluoranthene	19.221	202	8767531	88.324	ng		99
77) Benzidine	19.404	184	2227000	107.704	ng		100
78) Pyrene	19.586	202	8996687	83.755	ng		98
80) Butylbenzylphthalate	20.486	149	3262795	80.838	ng		97
81) Benzo(a)anthracene	21.386	228	8779936	84.761	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3524132	90.091	ng		99
83) Chrysene	21.450	228	8388518	85.181	ng		98
84) Bis(2-ethylhexyl)phtha...	21.309	149	4596937	78.171	ng	#	96
85) Di-n-octyl phthalate	22.445	149	8204703	79.753	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	10271777	86.167	ng		98
88) Benzo(b)fluoranthene	23.462	252	9083493	88.935	ng		99
89) Benzo(k)fluoranthene	23.527	252	8710029	88.000	ng		99
90) Benzo(a)pyrene	24.268	252	7870455	87.693	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8515147	86.721	ng		99
92) Benzo(g,h,i)perylene	28.868	276	8495950	84.674	ng		98

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

ICAL Form

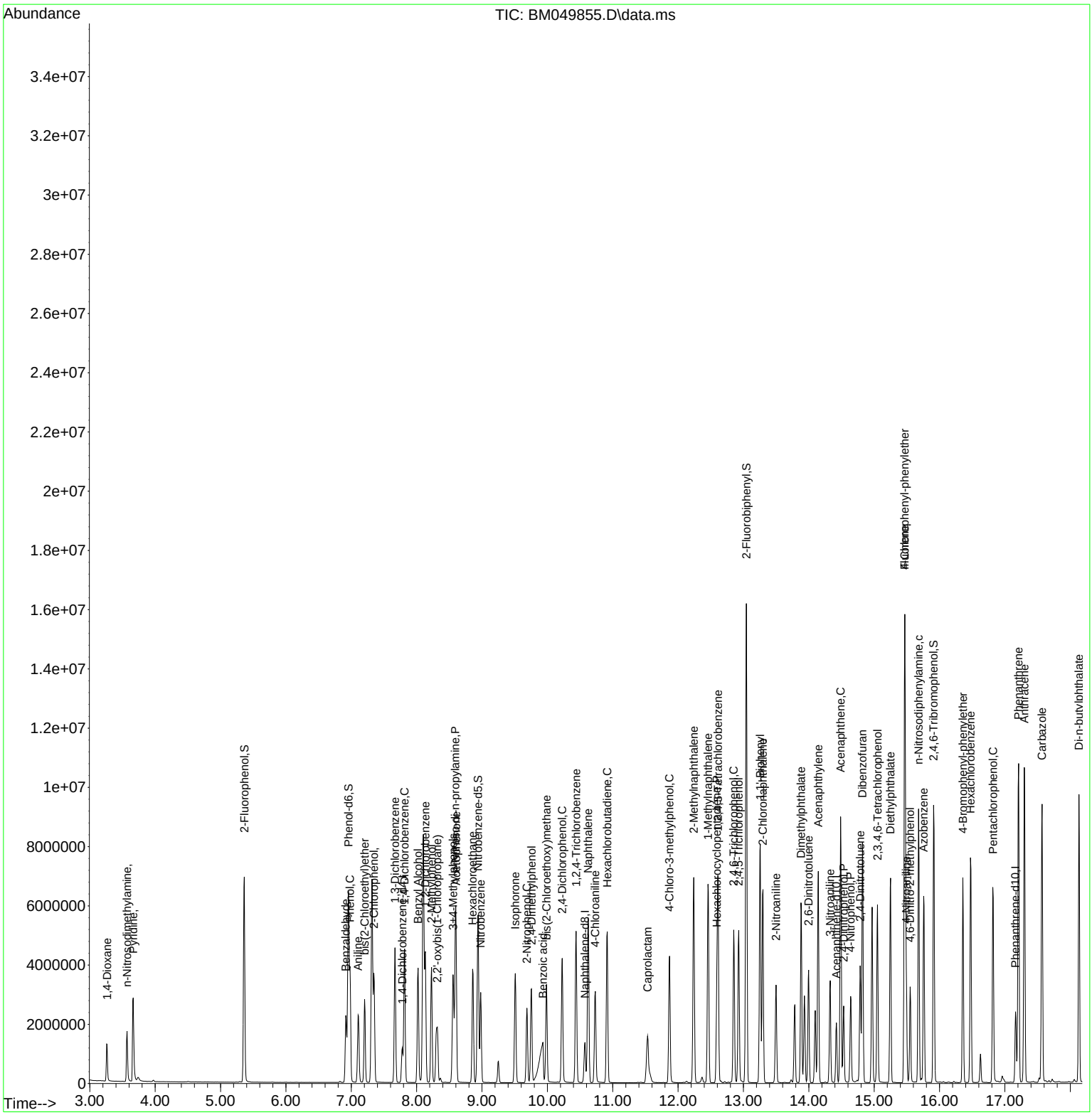
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
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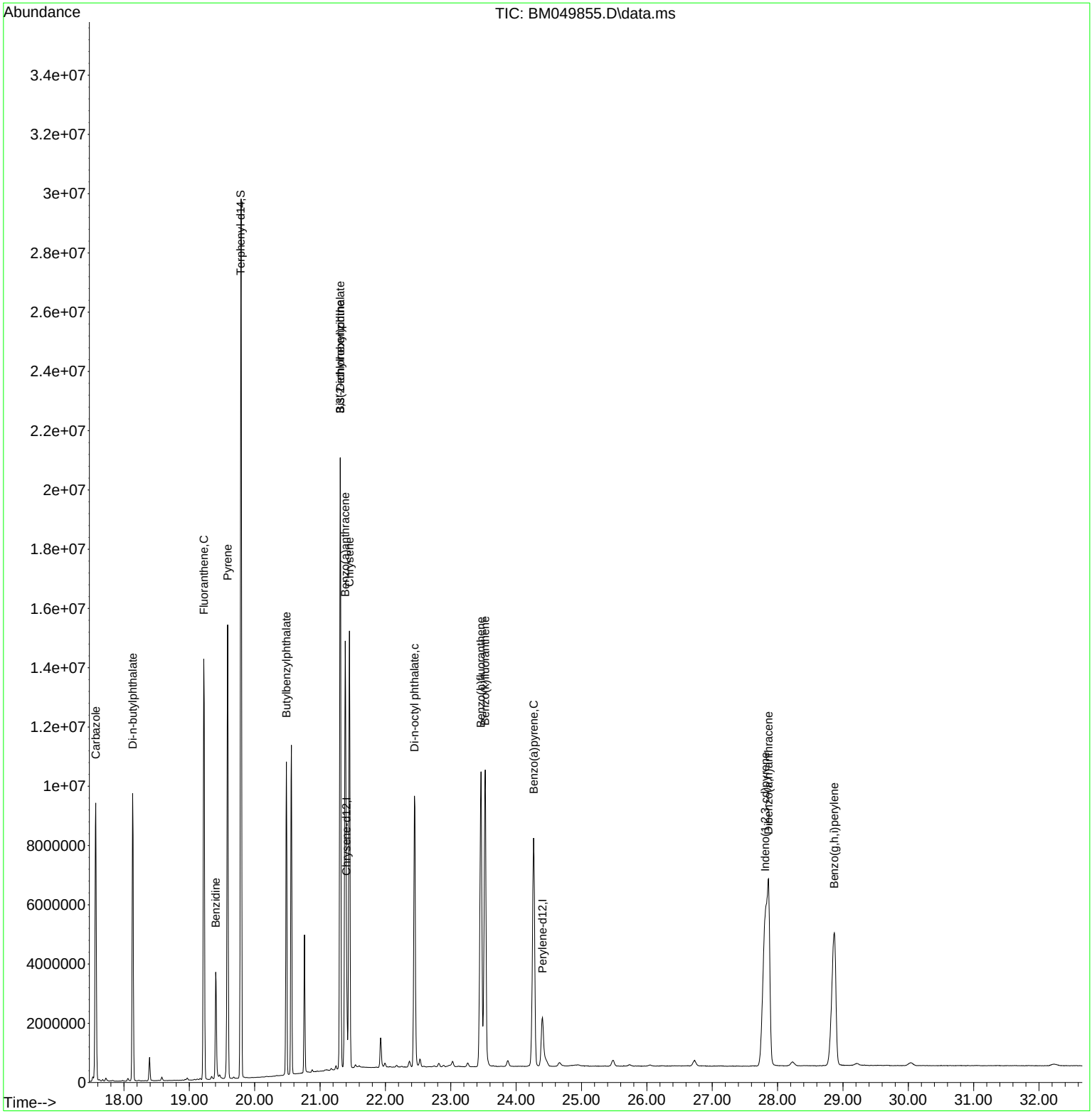
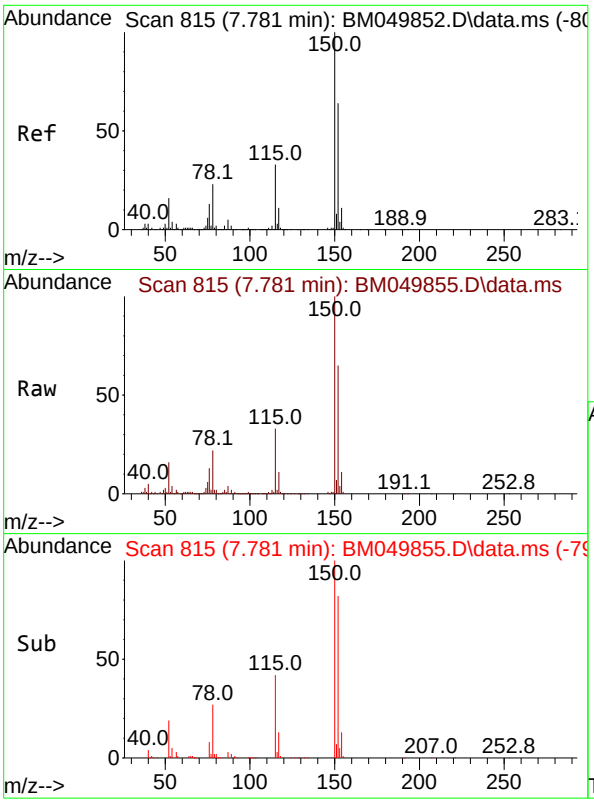
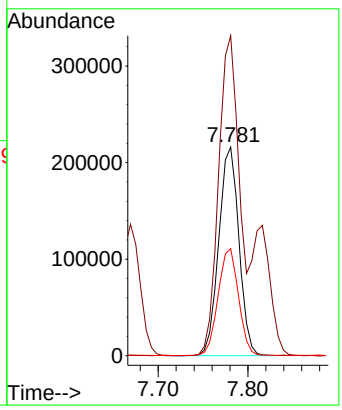




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:152 Resp: 33726

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	51.3	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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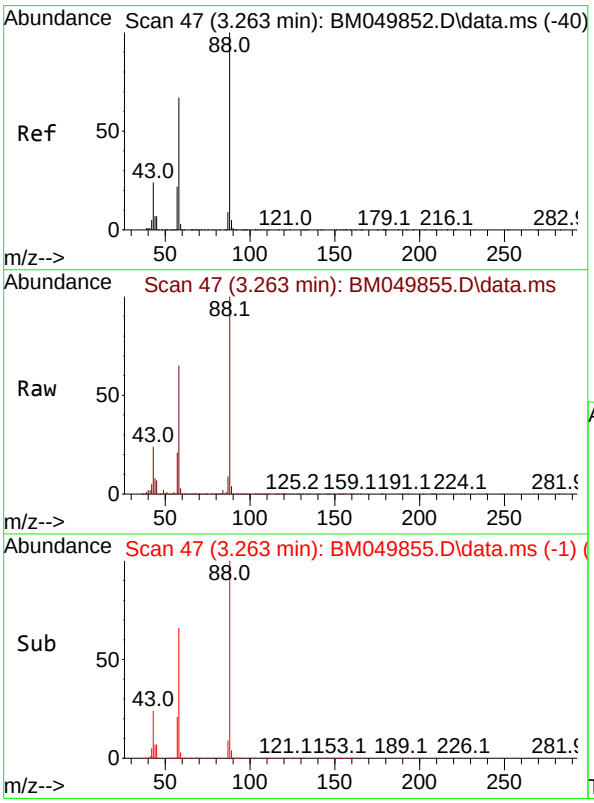
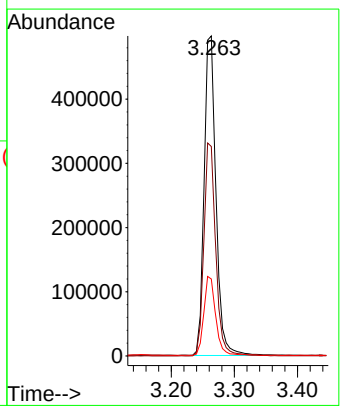
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

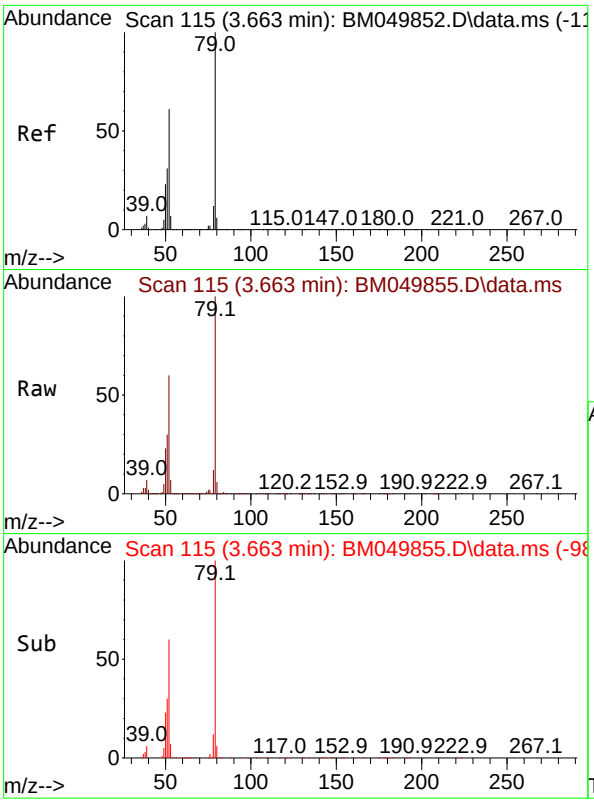


#2
1,4-Dioxane
Concen: 79.642 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 88 Resp: 651448

Ion	Ratio	Lower	Upper
88	100		
58	66.7	54.1	81.1
43	24.6	20.2	30.4

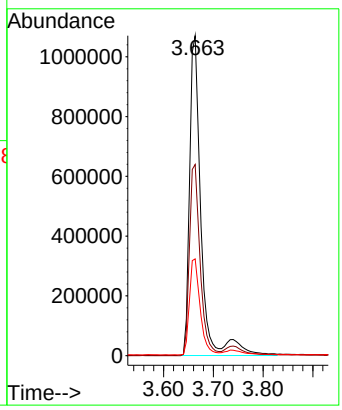




#3
Pyridine
Concen: 80.145 ng m
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 79 Resp: 172170

Ion	Ratio	Lower	Upper
79	100		
52	59.7	48.9	73.3
51	30.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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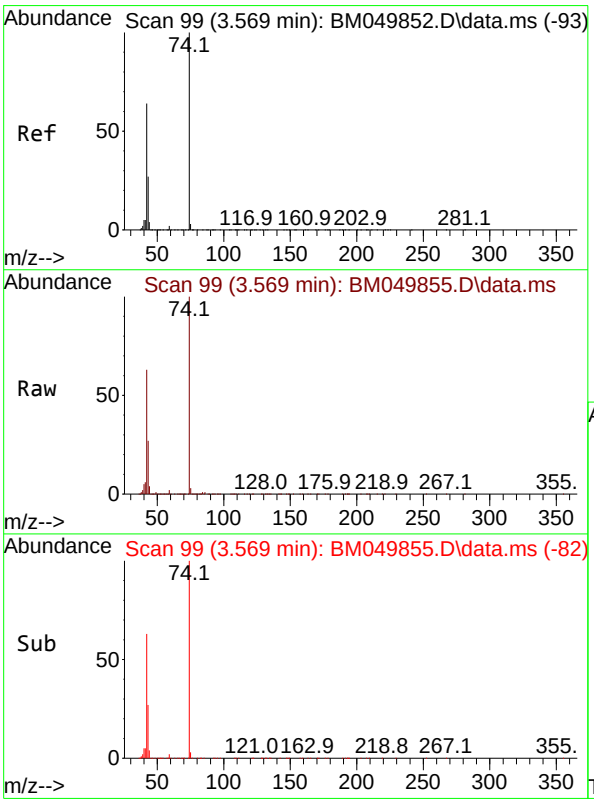
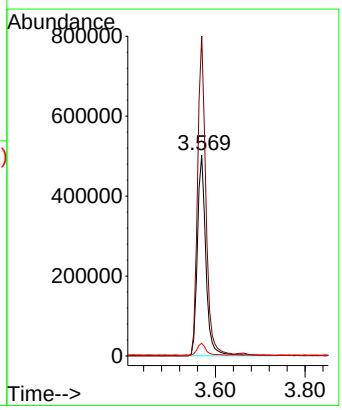
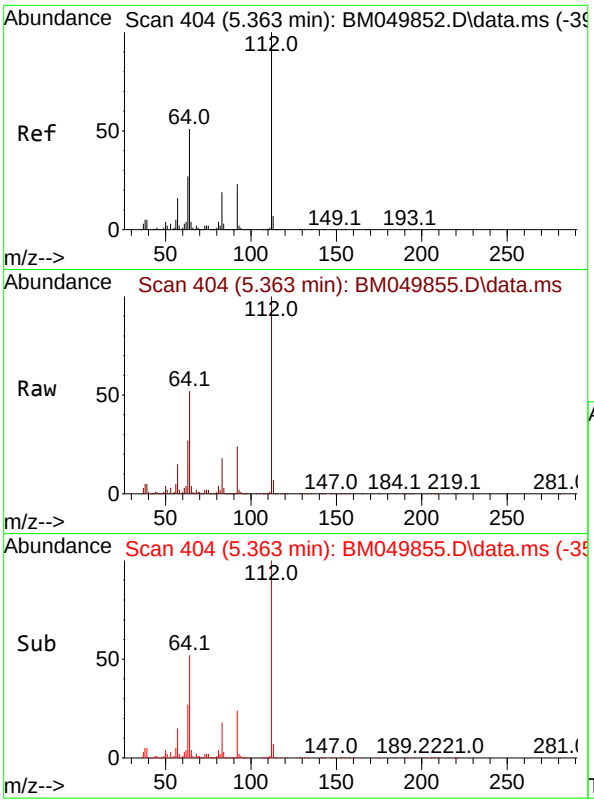


#4
n-Nitrosodimethylamine
Concen: 80.428 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 42 Resp: 657792

Ion	Ratio	Lower	Upper
42	100		
74	159.4	125.4	188.2
44	6.3	5.9	8.9

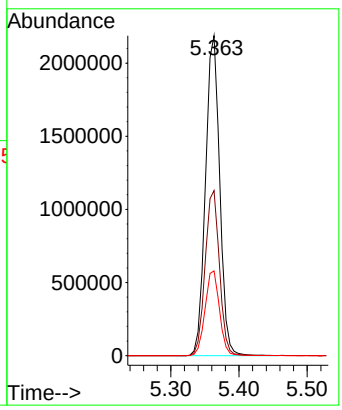




#5
2-Fluorophenol
Concen: 159.945 ng
RT: 5.363 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:112 Resp: 317675

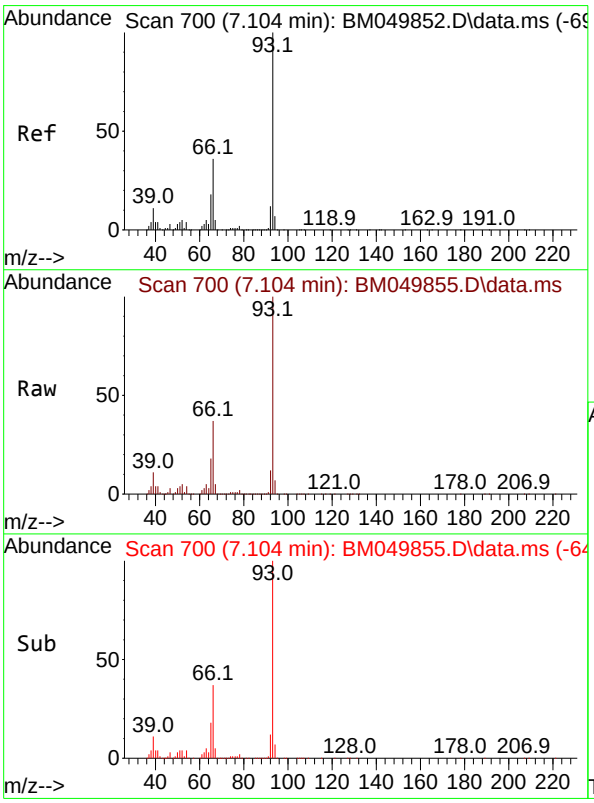
Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.0	61.6
63	26.5	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

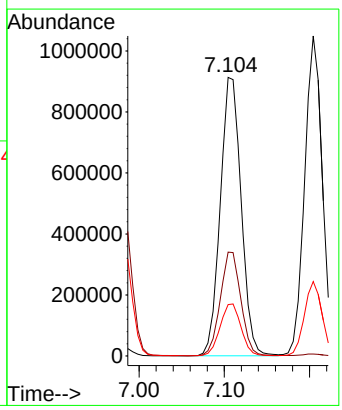
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

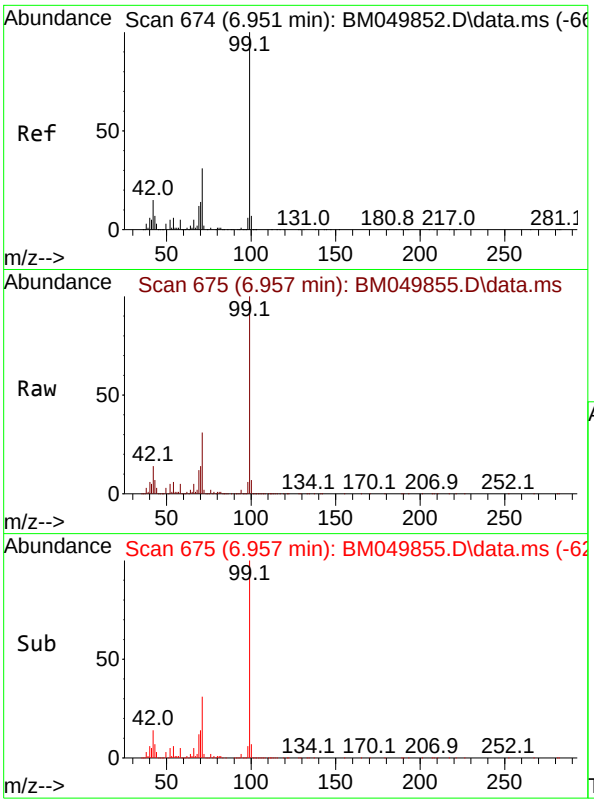


#6
Aniline
Concen: 73.535 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 1557071

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.1	43.7
65	18.4	14.9	22.3

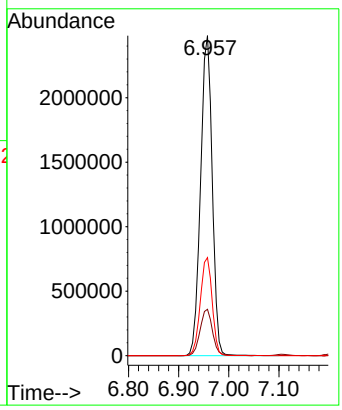




#7
Phenol-d6
Concen: 162.127 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 99 Resp: 400639

Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.1	18.1
71	30.6	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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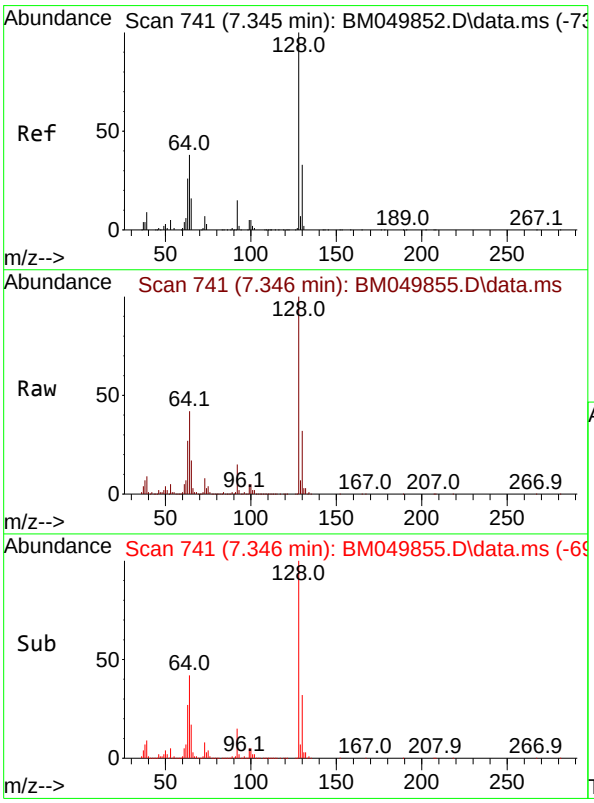
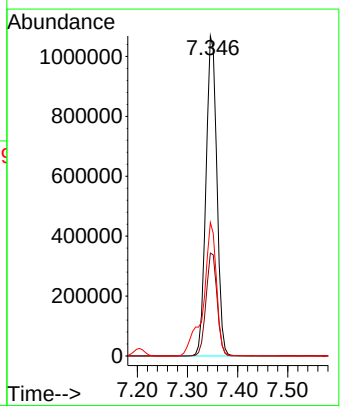
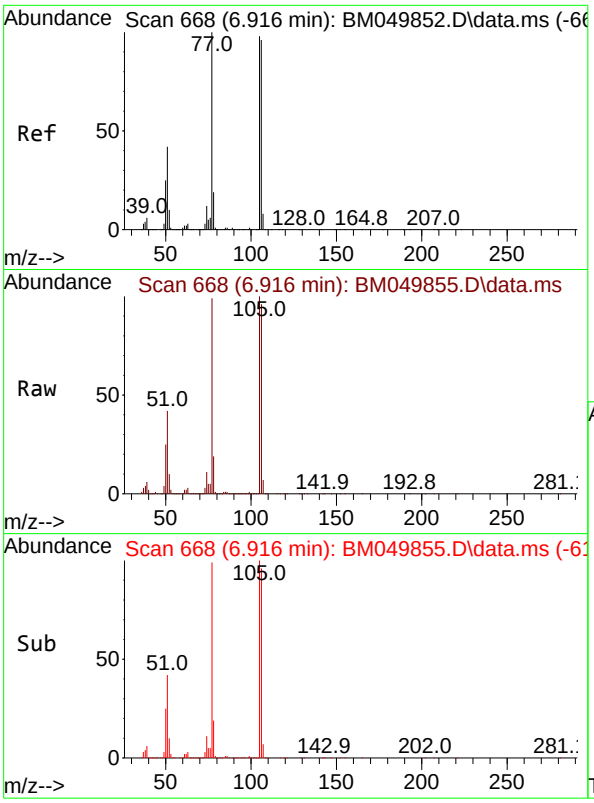


#8
2-Chlorophenol
Concen: 79.461 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:128 Resp: 1617379

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	41.7	21.1	61.1

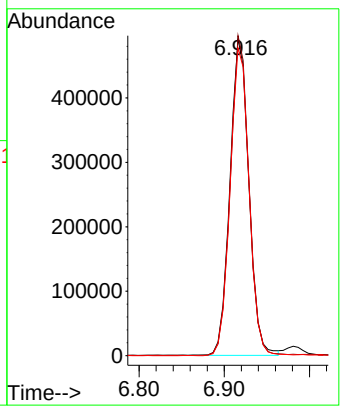




#9
Benzaldehyde
Concen: 59.716 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 75662

Ion	Ratio	Lower	Upper
77	100		
105	100.9	78.3	118.3
106	97.1	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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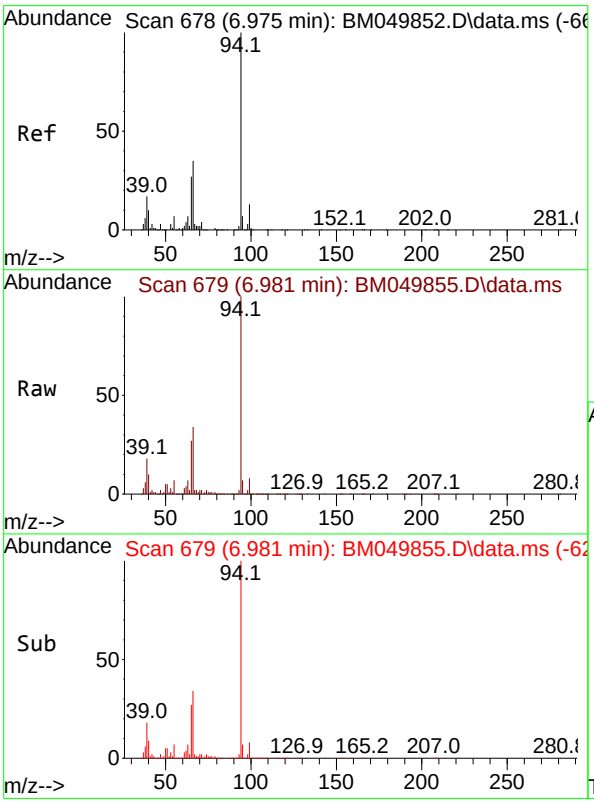
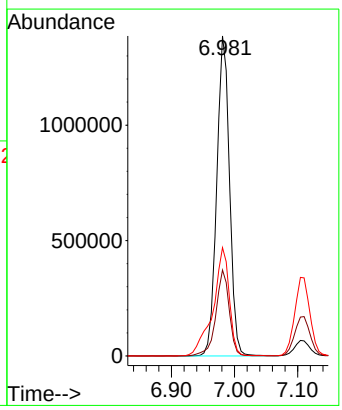
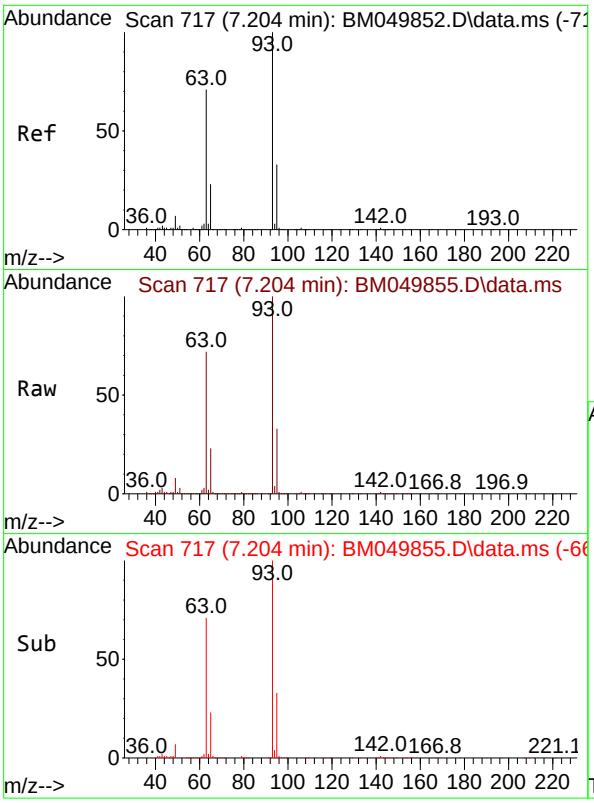


#10
Phenol
Concen: 81.154 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 94 Resp: 1957010

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.3	47.3
66	33.8	14.8	54.8

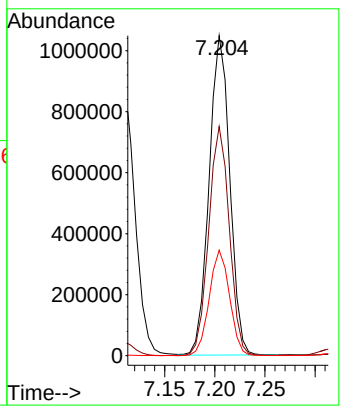




#11
bis(2-Chloroethyl)ether
Concen: 79.467 ng
RT: 7.204 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 150277

Ion	Ratio	Lower	Upper
93	100		
63	71.6	50.9	90.9
95	33.0	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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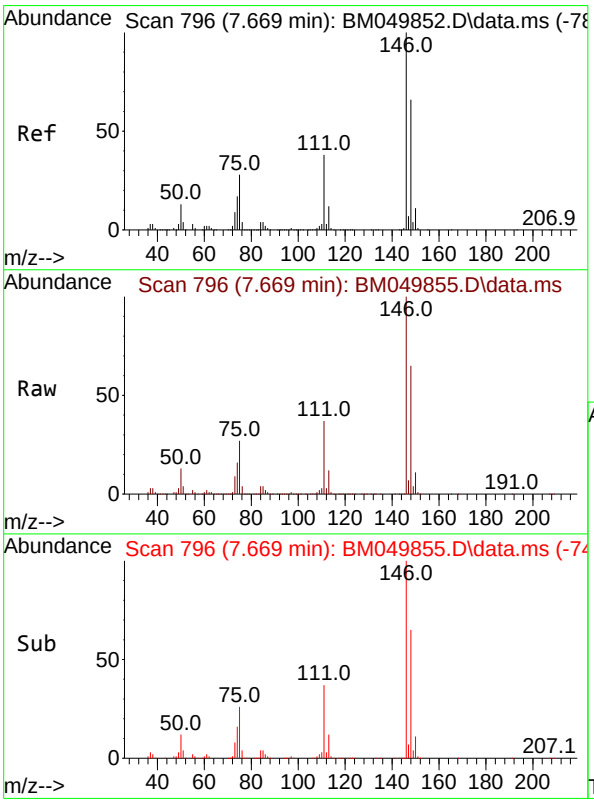
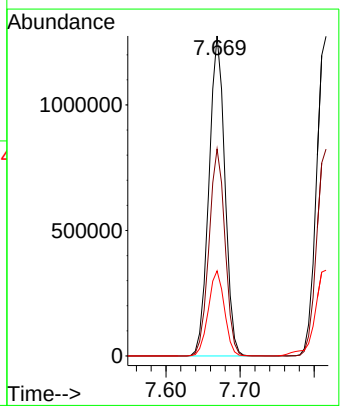
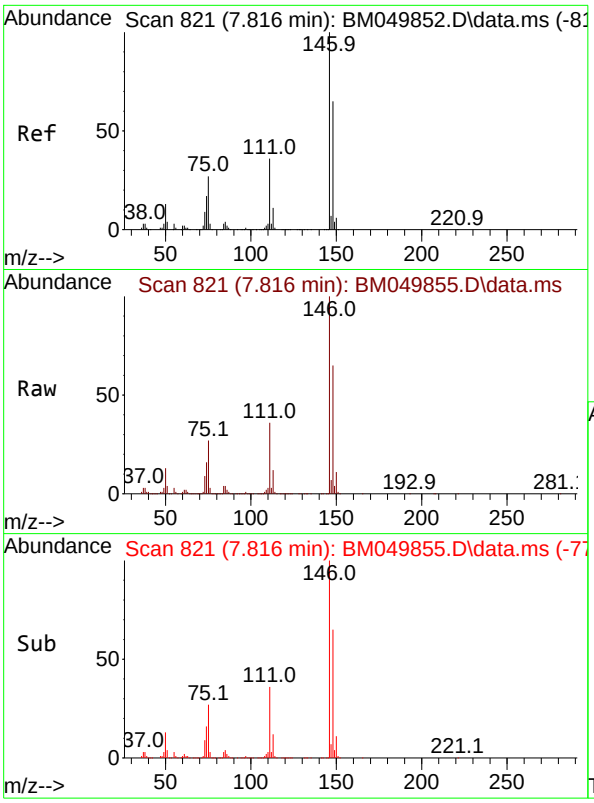


#12
1,3-Dichlorobenzene
Concen: 78.977 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 1900533

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	26.6	22.5	33.7

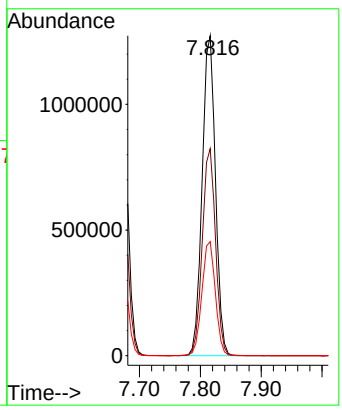




#13
1,4-Dichlorobenzene
Concen: 79.467 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 192419

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.4	78.6
111	35.7	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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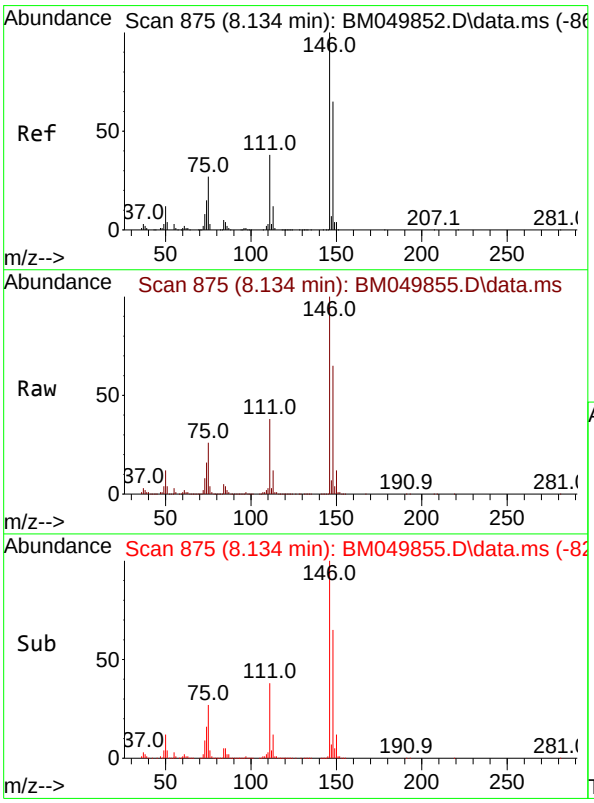
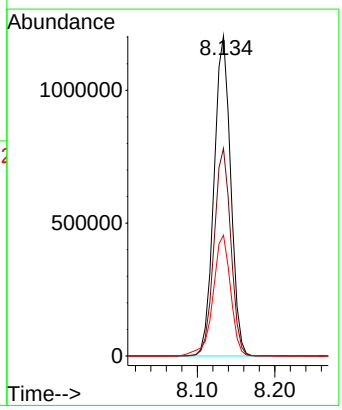
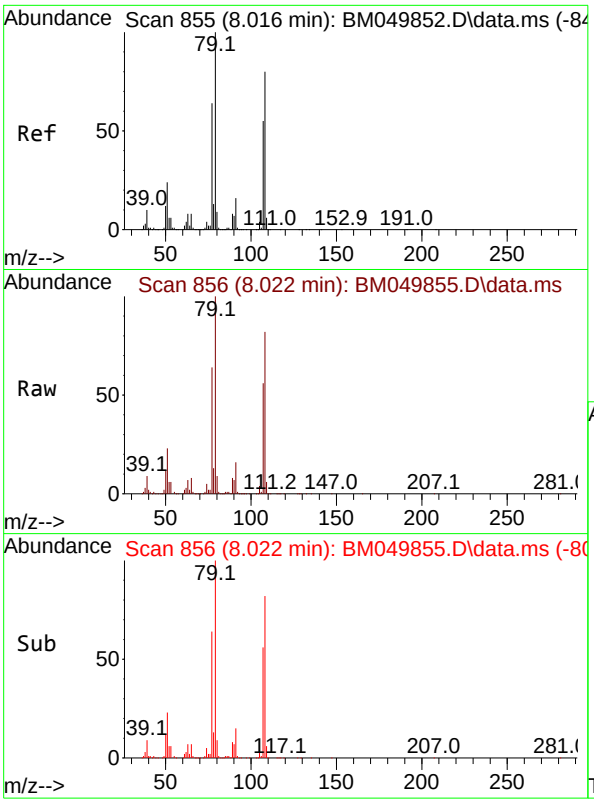


#14
1,2-Dichlorobenzene
Concen: 78.890 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 1799229

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.8
111	37.7	30.2	45.4





#15
Benzyl Alcohol
Concen: 82.414 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 79 Resp: 128244

Ion	Ratio	Lower	Upper
79	100		
108	81.7	63.6	95.4
77	63.6	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
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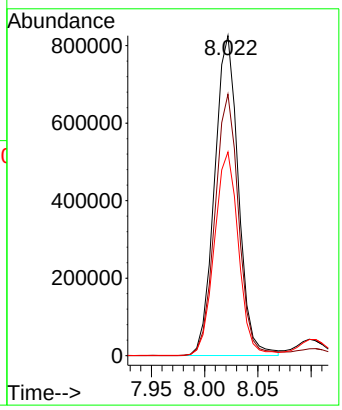
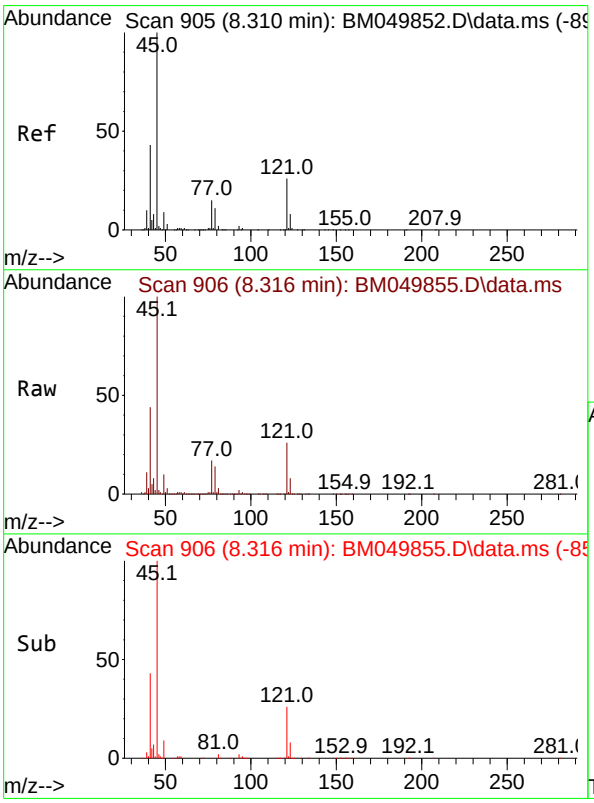
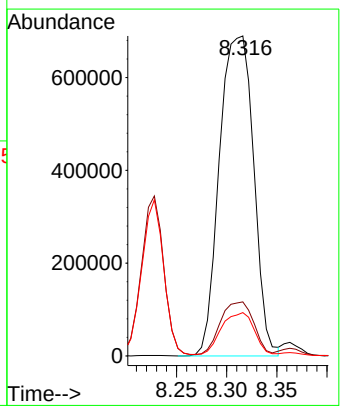


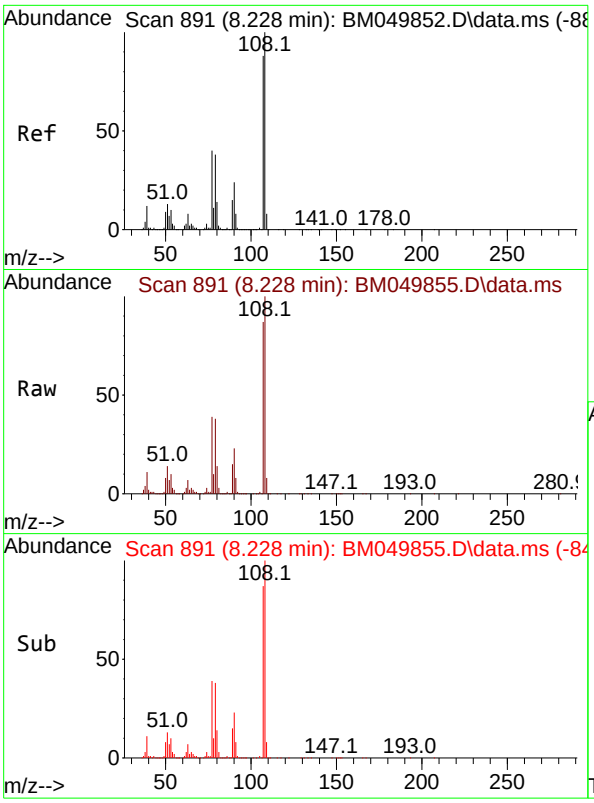


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.719 ng
RT: 8.316 min Scan# 906
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 45 Resp: 1638145

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	13.5	0.0	32.9

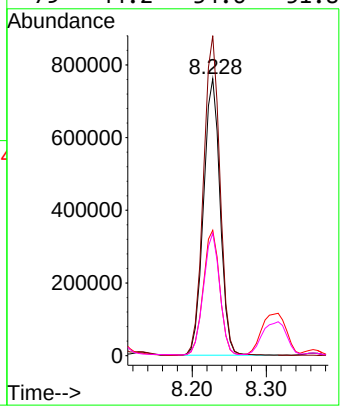




#17
2-Methylphenol
Concen: 79.623 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 118325

Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.0	136.6
77	45.3	36.5	54.7
79	44.2	34.6	51.8



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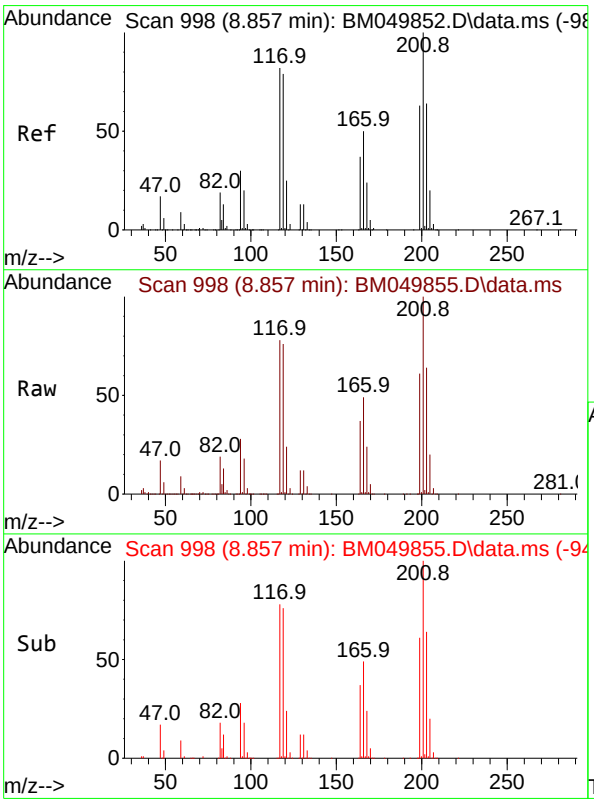
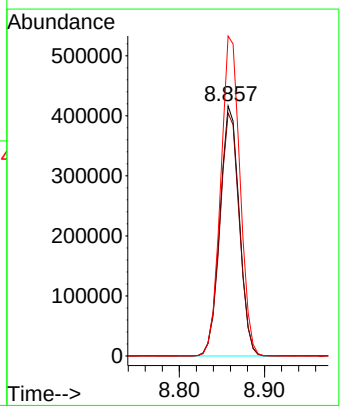
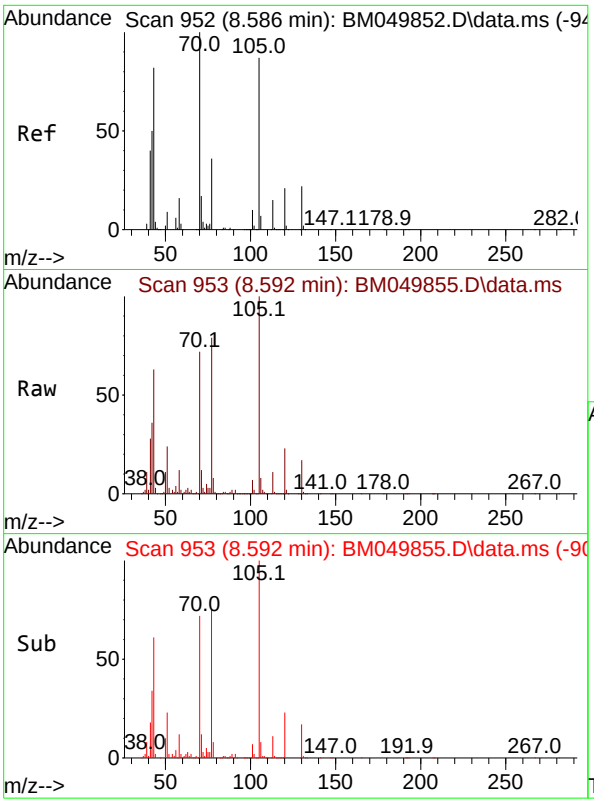


#18
Hexachloroethane
Concen: 78.143 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:117 Resp: 658294

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	128.0	97.7	146.5

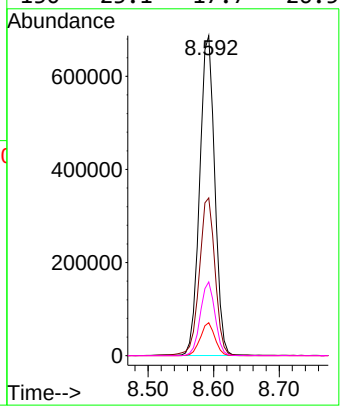




#19
n-Nitroso-di-n-propylamine
Concen: 80.420 ng
RT: 8.592 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 70 Resp: 110066

Ion	Ratio	Lower	Upper
70	100		
42	49.3	40.2	60.2
101	10.3	7.9	11.9
130	23.1	17.7	26.5



Instrument :
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ClientSampleId :
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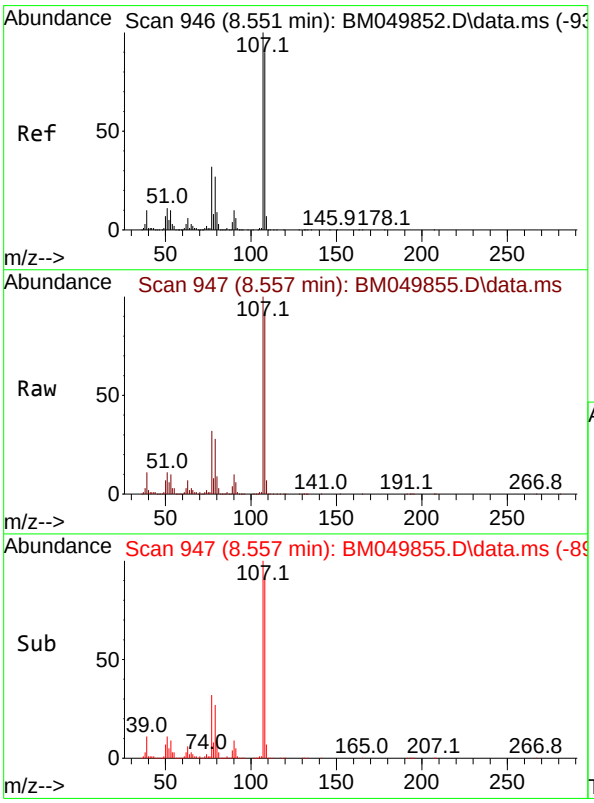
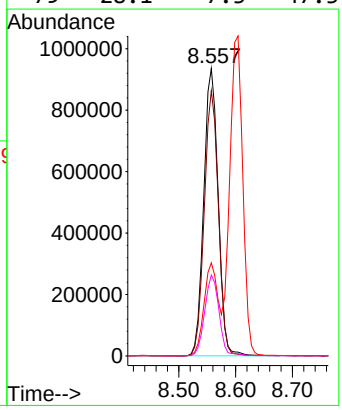
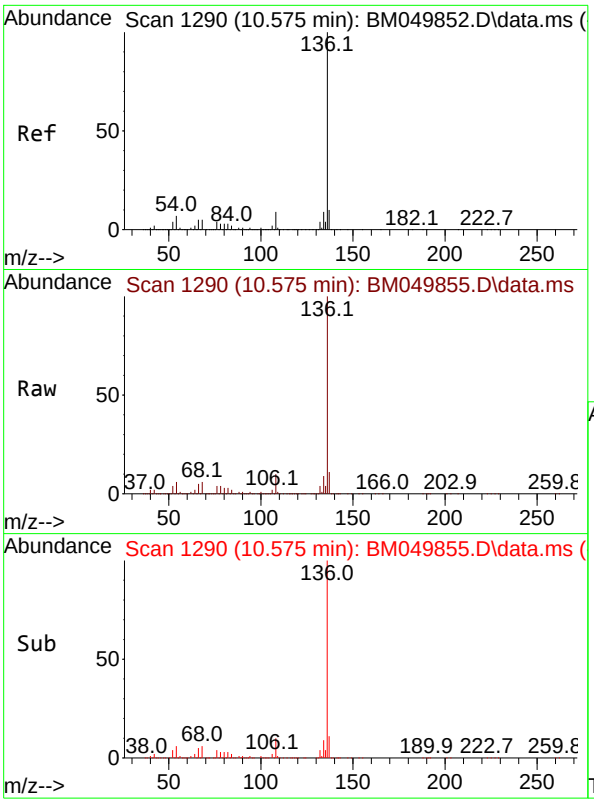


#20
3+4-Methylphenols
Concen: 80.930 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 1639646

Ion	Ratio	Lower	Upper
107	100		
108	92.2	69.6	109.6
77	32.4	11.7	51.7
79	28.1	7.3	47.3

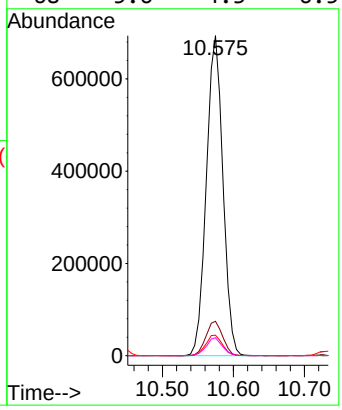




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:136 Resp: 112263

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.4	5.3	7.9
68	5.6	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
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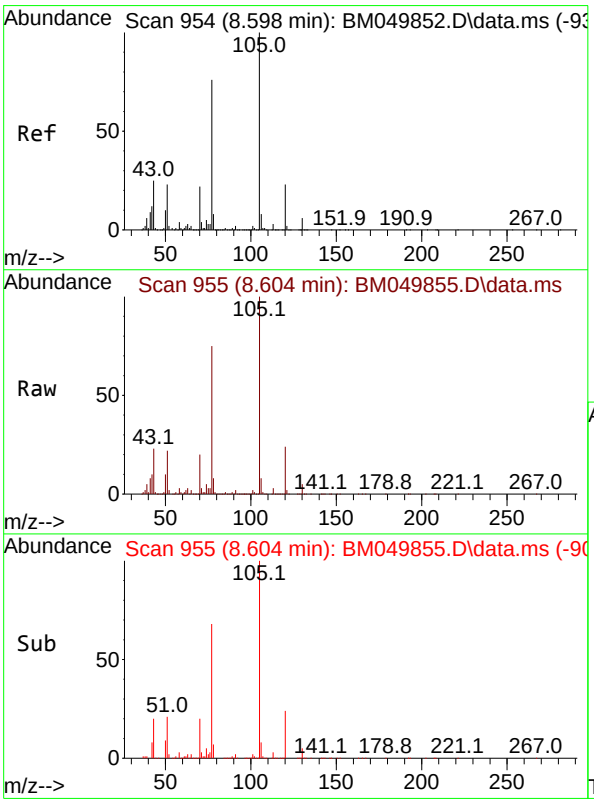
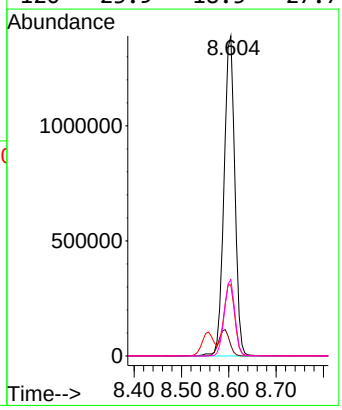
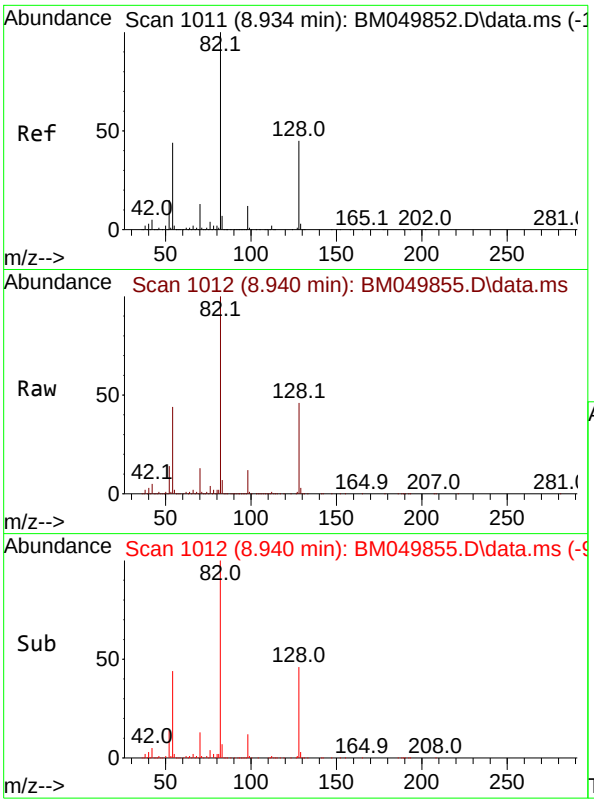


#22
Acetophenone
Concen: 81.093 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:105 Resp: 2212514

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	22.2	18.6	27.8
120	23.9	18.5	27.7

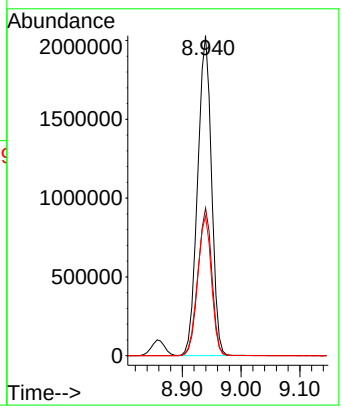




#23
Nitrobenzene-d5
Concen: 165.228 ng
RT: 8.940 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 82 Resp: 333106

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.2
54	43.6	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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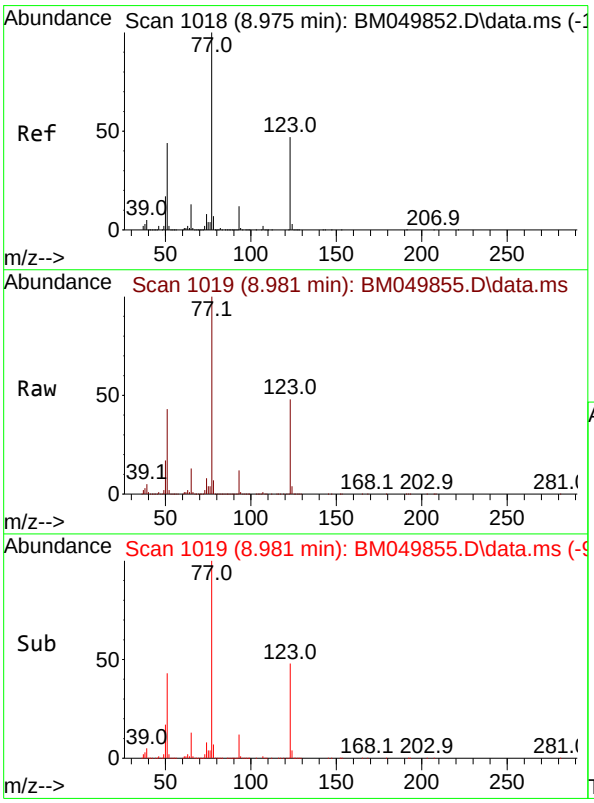
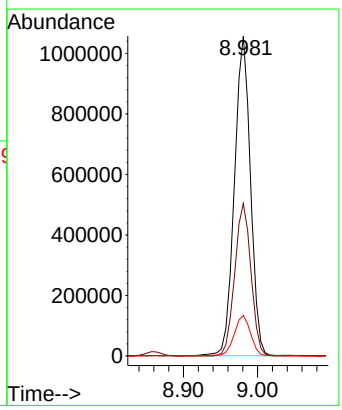
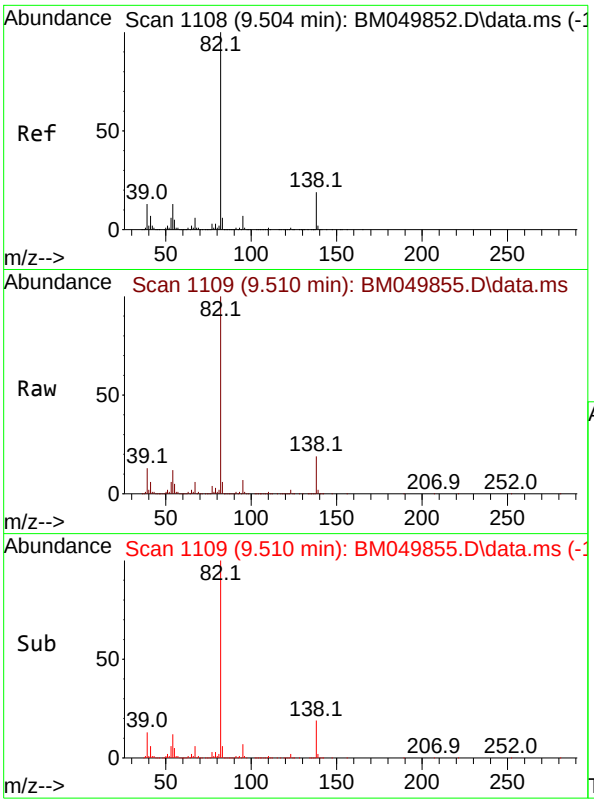


#24
Nitrobenzene
Concen: 81.805 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 1588049

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.7	10.1	15.1





#25
Isophorone
Concen: 82.413 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 82 Resp: 278332

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	19.3	15.0	22.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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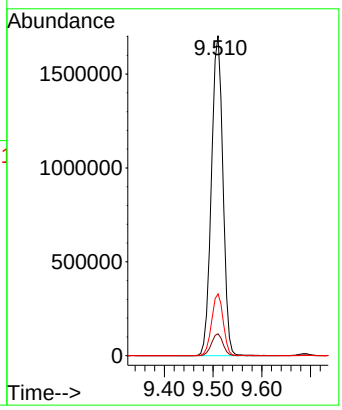
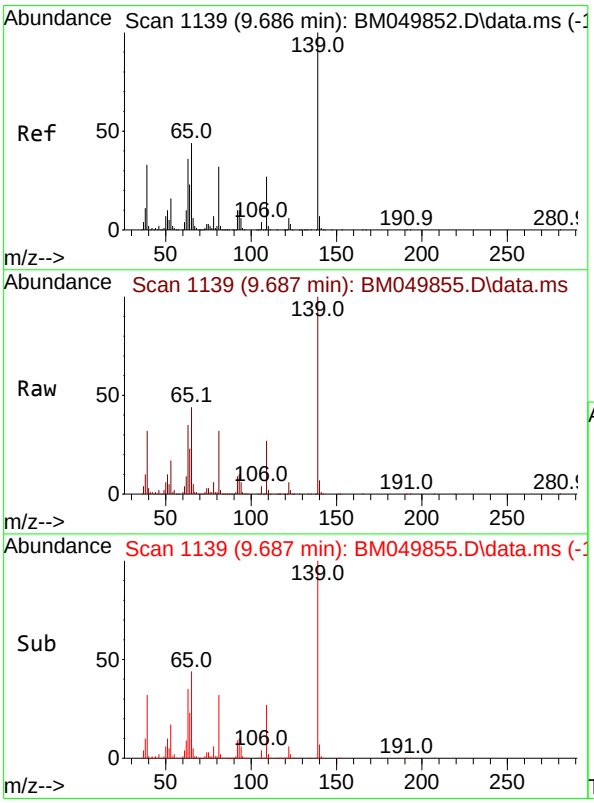
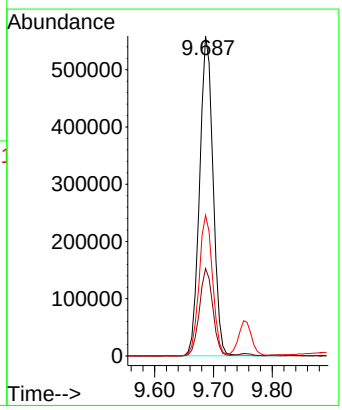


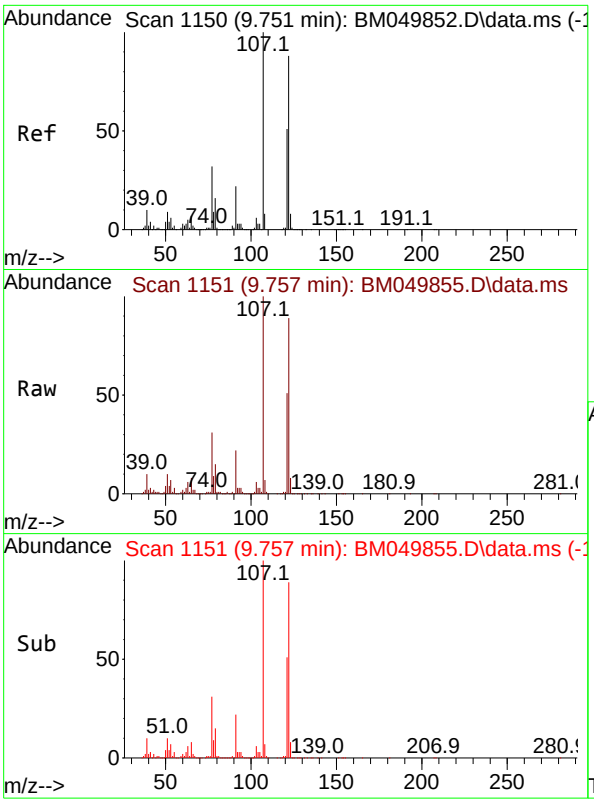


#26
2-Nitrophenol
Concen: 86.097 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:139 Resp: 885850

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.7	32.5
65	44.0	35.2	52.8

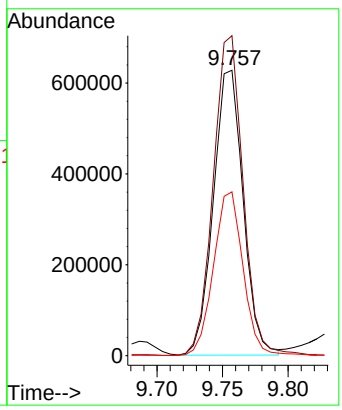




#27
2,4-Dimethylphenol
Concen: 84.960 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:122 Resp: 99066

Ion	Ratio	Lower	Upper
122	100		
107	112.1	90.3	135.5
121	57.4	46.1	69.1



Instrument :
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ClientSampleId :
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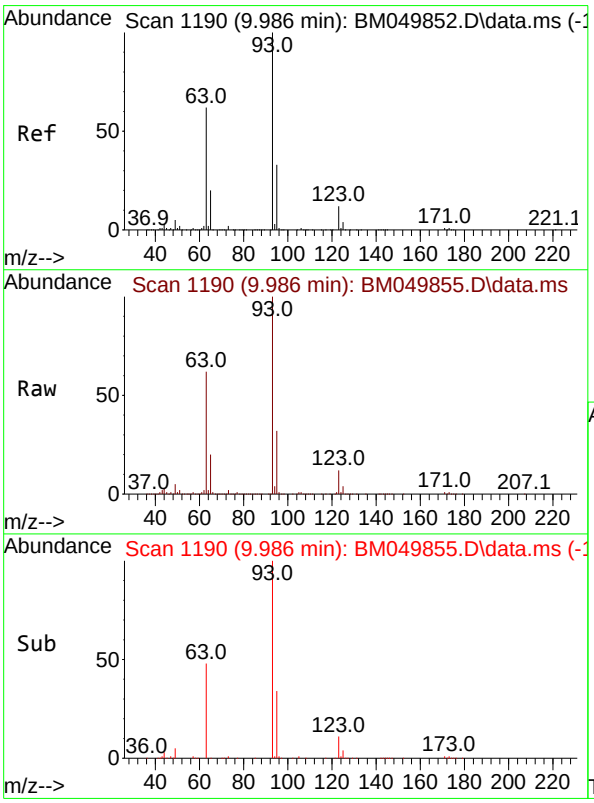
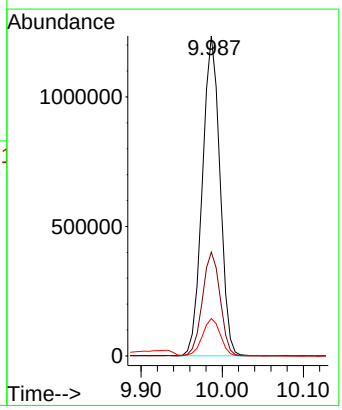
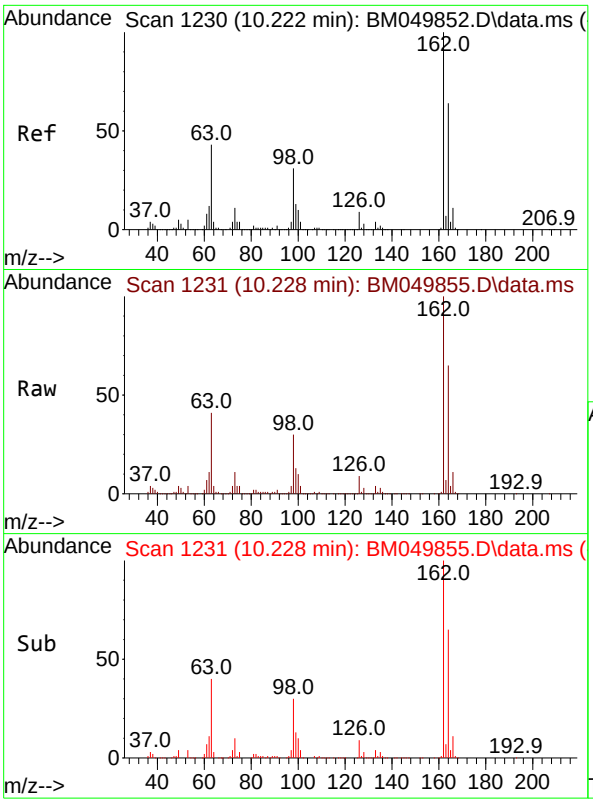


#28
bis(2-Chloroethoxy)methane
Concen: 81.806 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 1849648

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.7	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 84.360 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:162 Resp: 163511

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.3	84.3
98	29.6	10.9	50.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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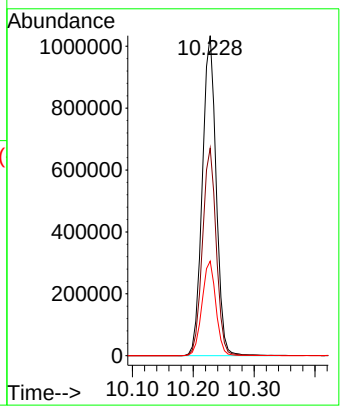
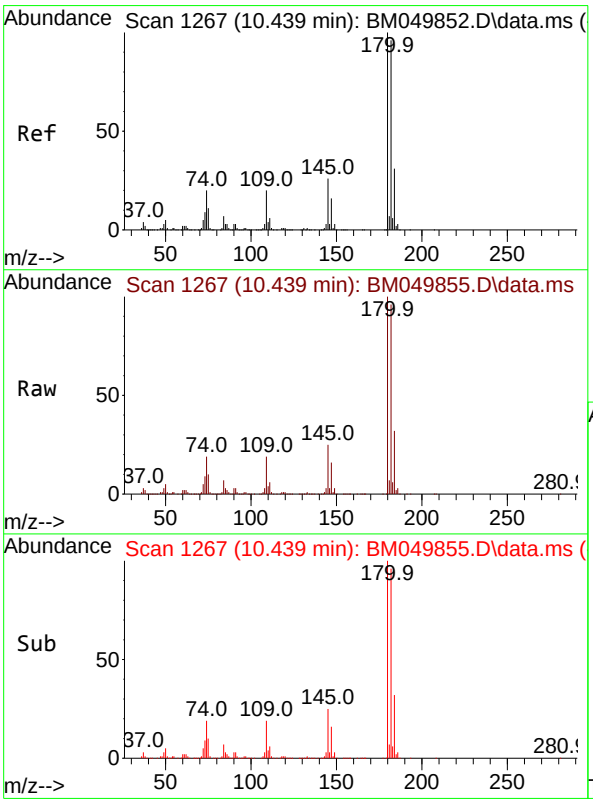
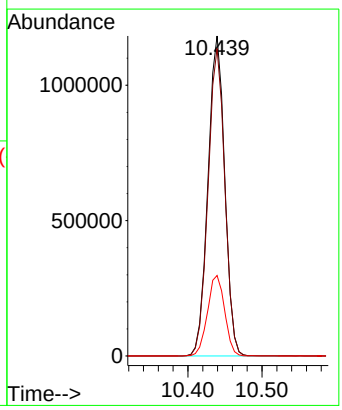


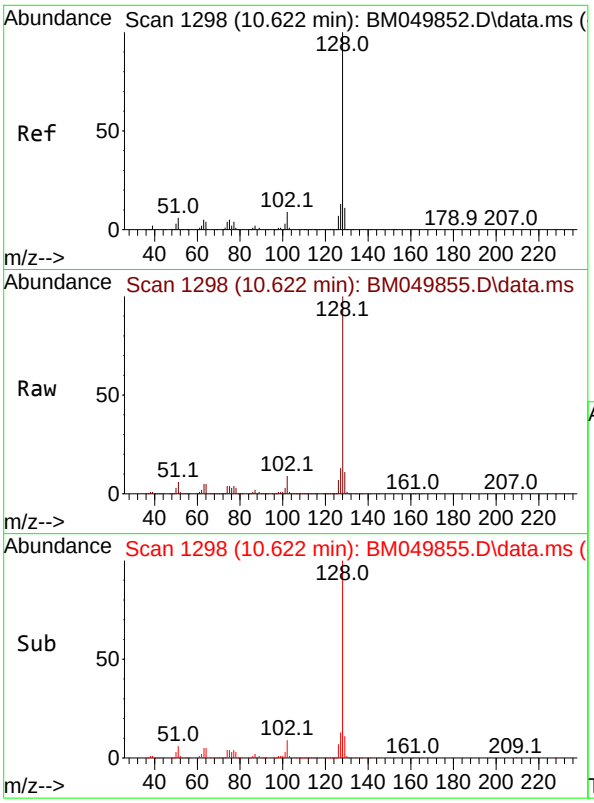


#30
1,2,4-Trichlorobenzene
Concen: 82.705 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:180 Resp: 1854479

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
145	25.2	20.8	31.2

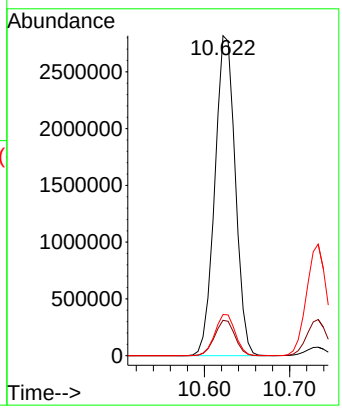




#31
Naphthalene
Concen: 81.343 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:128 Resp: 469232

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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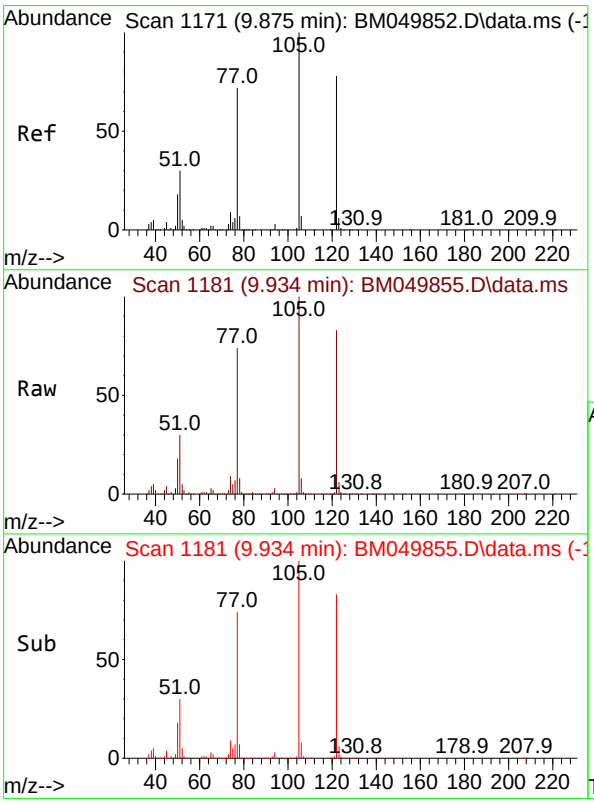
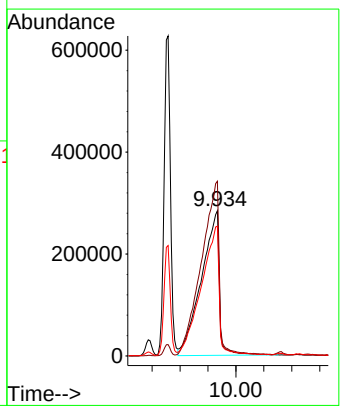
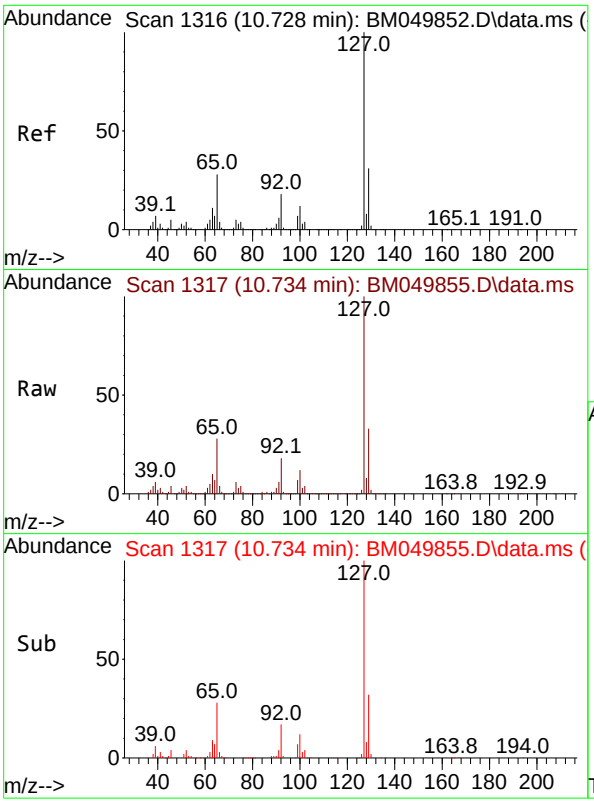


#32
Benzoic acid
Concen: 80.764 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.059 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:122 Resp: 1270650

Ion	Ratio	Lower	Upper
122	100		
105	120.3	103.8	143.8
77	89.4	70.7	110.7

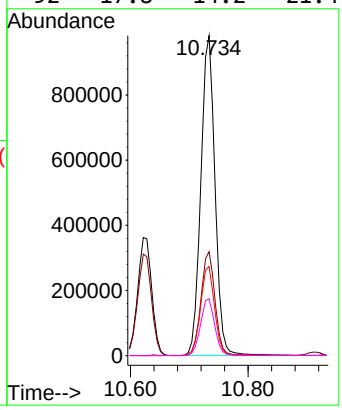




#33
4-Chloroaniline
Concen: 80.751 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:127 Resp: 164486

Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.9	37.3
65	27.8	22.4	33.6
92	17.8	14.2	21.4



Instrument :
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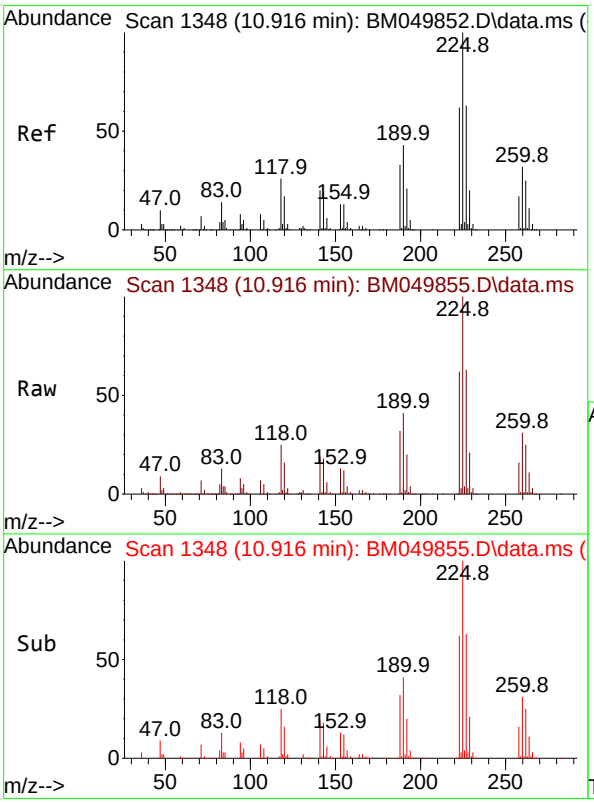
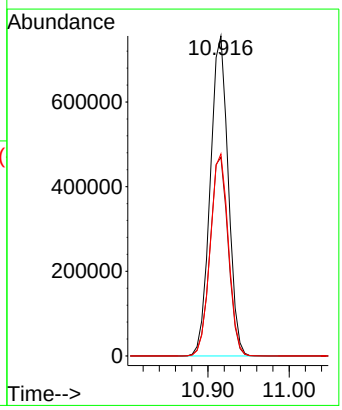
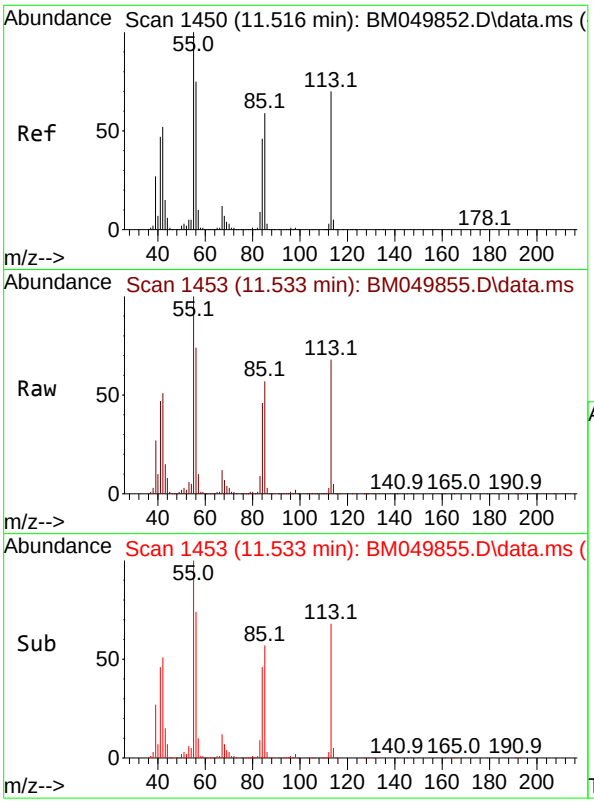


#34
Hexachlorobutadiene
Concen: 83.656 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:225 Resp: 1160306

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.4	74.2
227	63.1	50.1	75.1

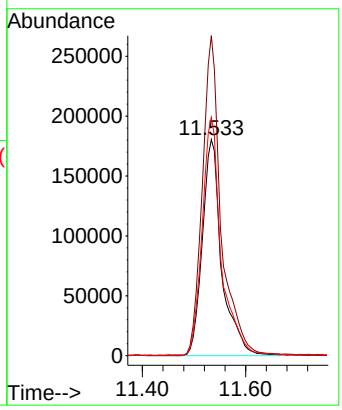




#35
Caprolactam
Concen: 84.302 ng
RT: 11.533 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:113 Resp: 46865

Ion	Ratio	Lower	Upper
113	100		
55	148.0	124.3	164.3
56	110.2	87.5	127.5



Instrument :
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ClientSampleId :
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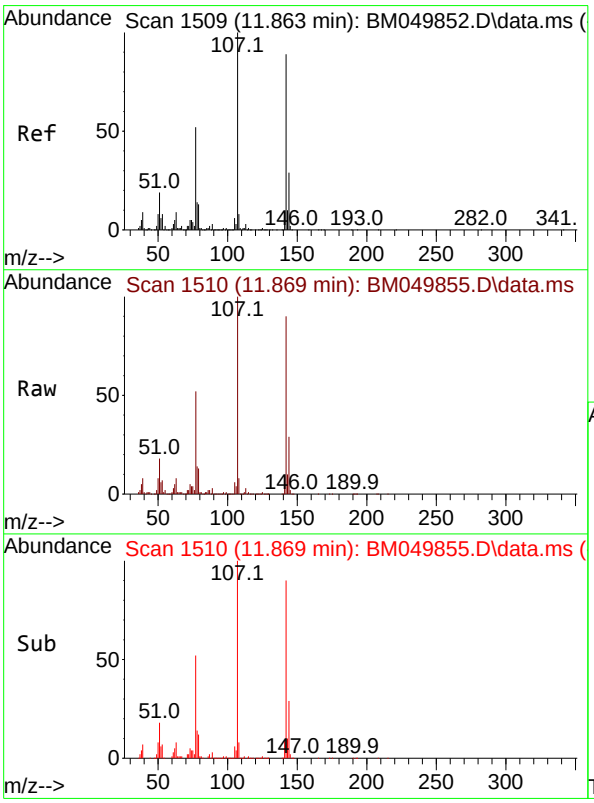
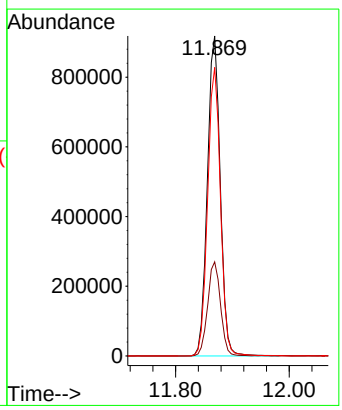
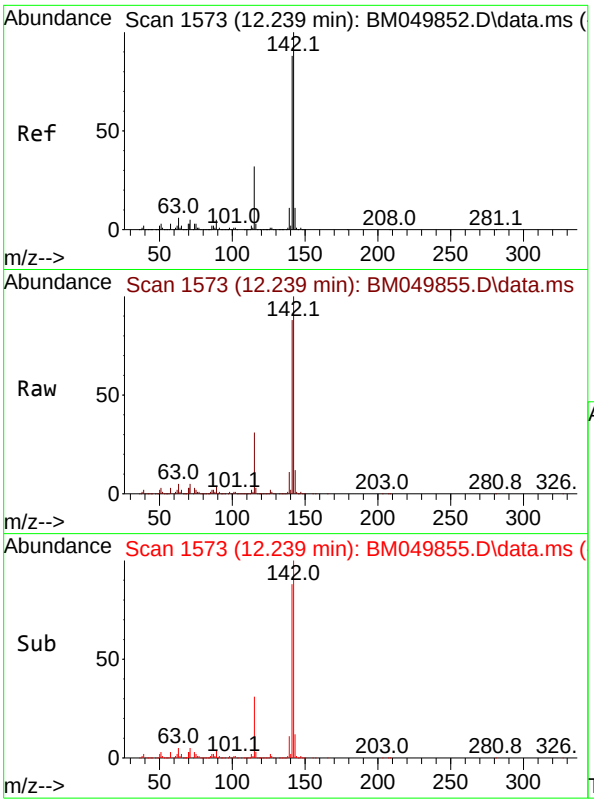


#36
4-Chloro-3-methylphenol
Concen: 84.779 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 1439396

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.6	35.4
142	90.2	71.4	107.0

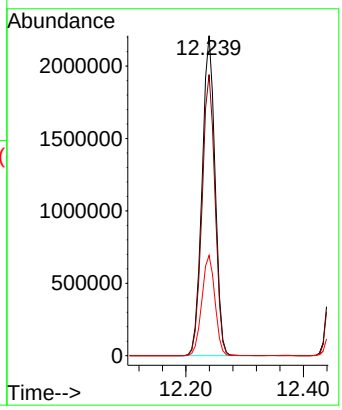




#37
2-Methylnaphthalene
Concen: 83.379 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:142 Resp: 338876

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.2	105.2
115	31.4	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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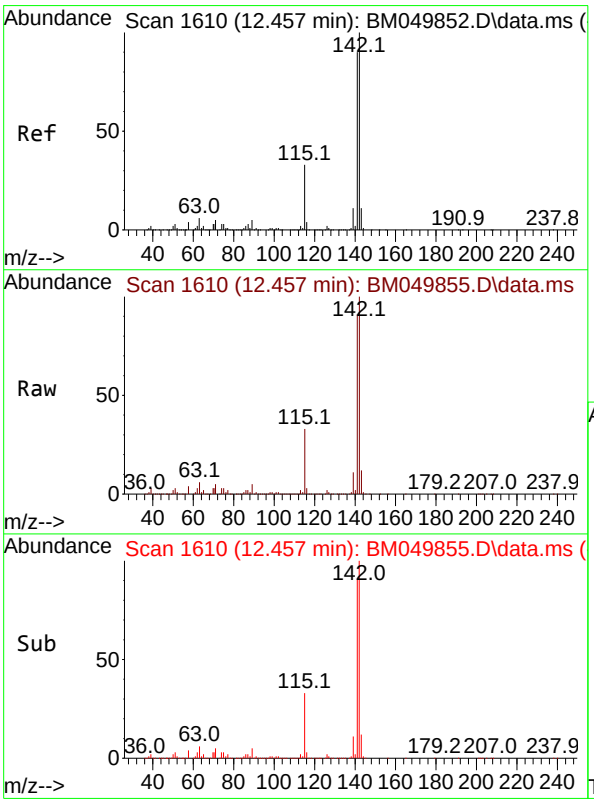
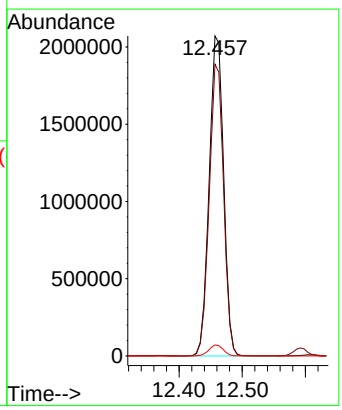
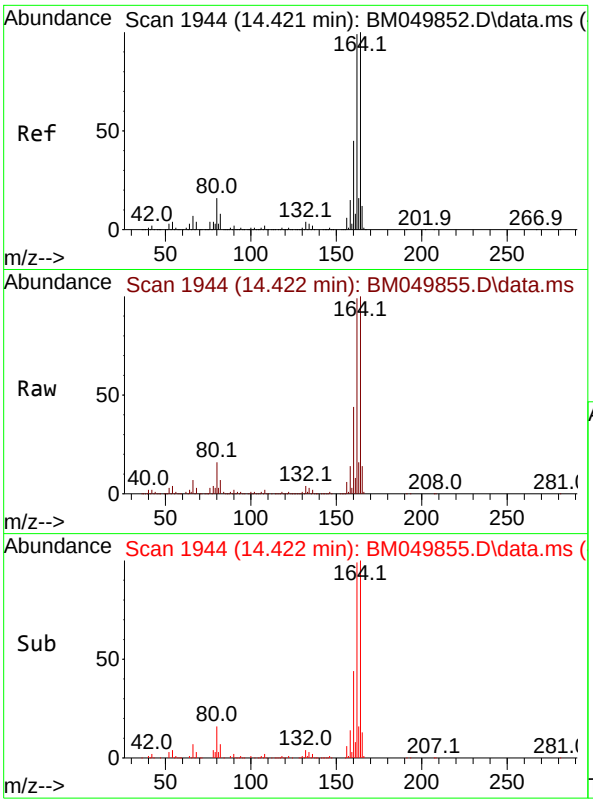


#38
1-Methylnaphthalene
Concen: 82.967 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:142 Resp: 3285148

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.2	108.2
116	3.4	2.9	4.3

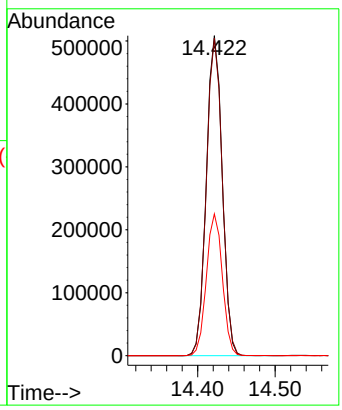




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:164 Resp: 72437

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	44.3	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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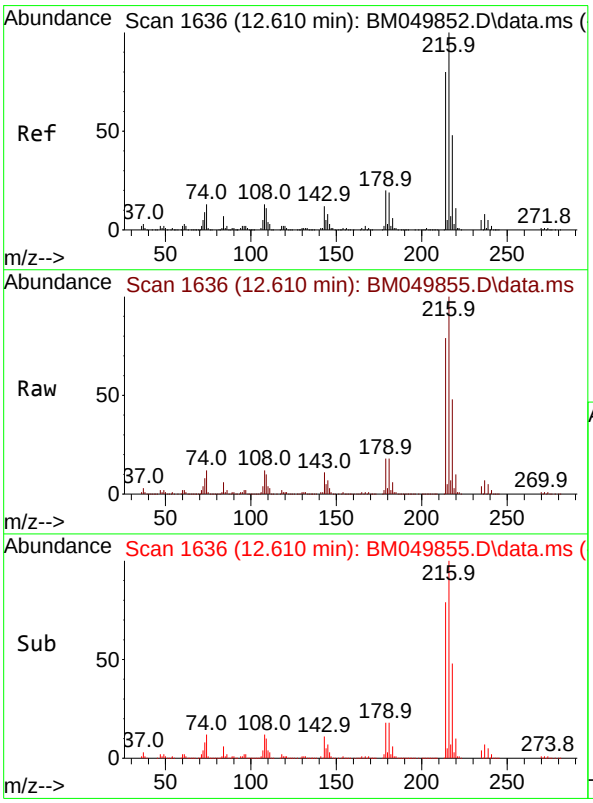
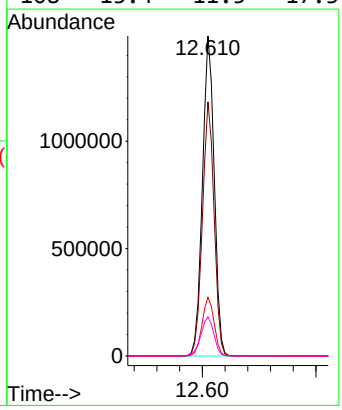
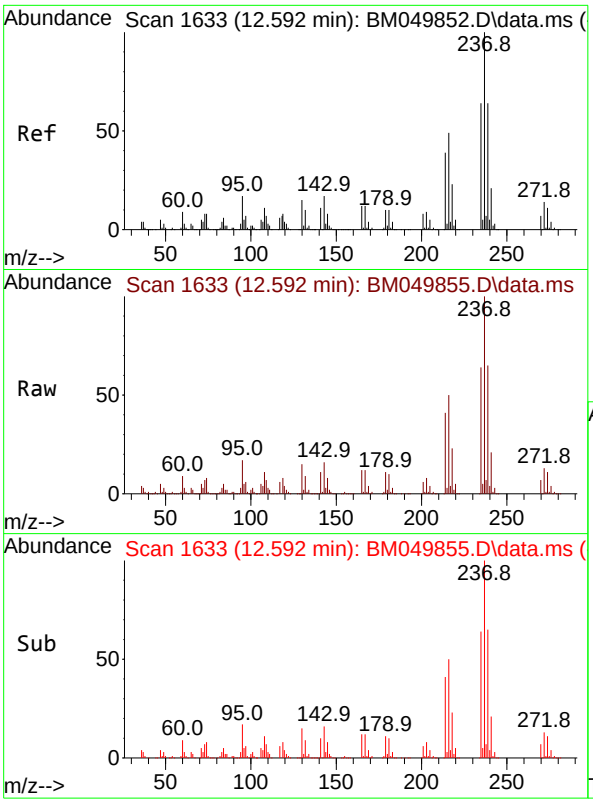


#40
1,2,4,5-Tetrachlorobenzene
Concen: 84.255 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:216 Resp: 2135182

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.2	94.8
179	18.8	15.8	23.6
108	13.4	11.5	17.3





#41
Hexachlorocyclopentadiene
Concen: 81.754 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:237 Resp: 72597

Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.7	83.7
272	13.1	0.0	33.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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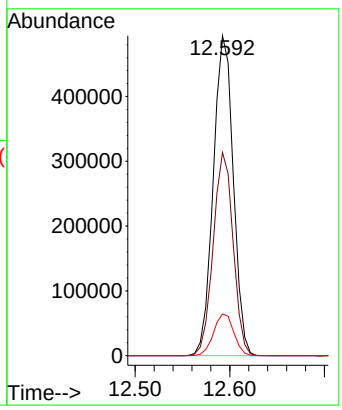
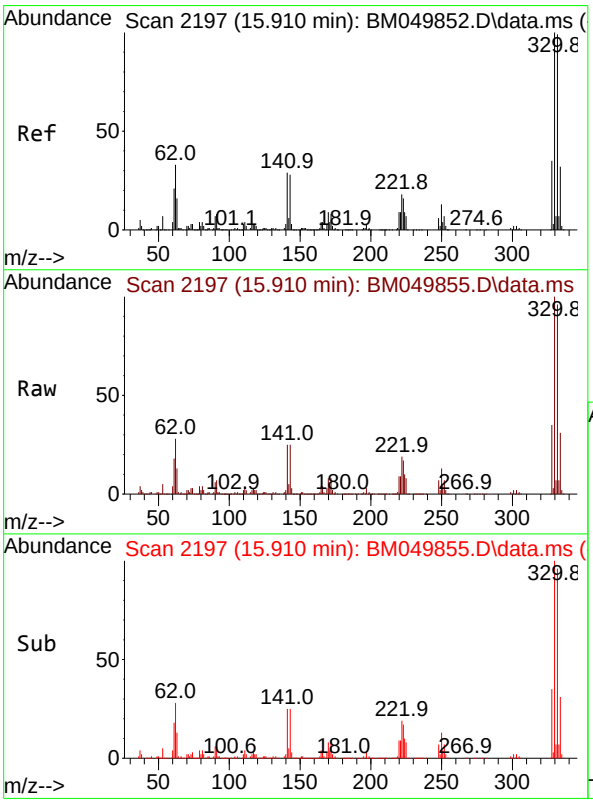
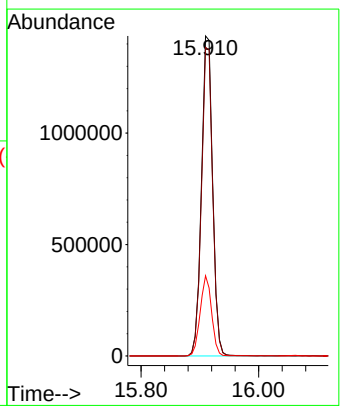


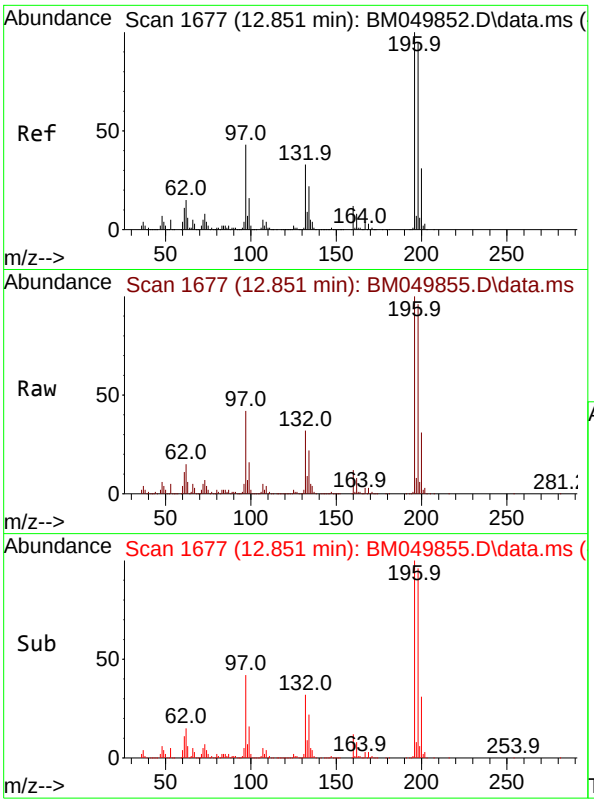


#42
2,4,6-Tribromophenol
Concen: 180.622 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:330 Resp: 1903078

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	25.5	23.5	35.3

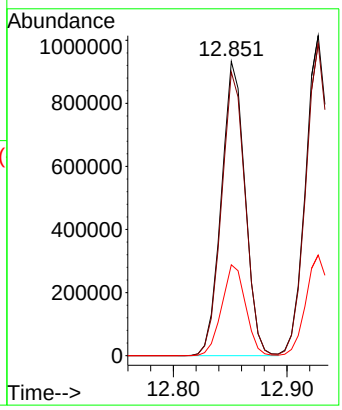




#43
2,4,6-Trichlorophenol
Concen: 84.134 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:196 Resp: 135673

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.1	114.1
200	30.9	24.7	37.1



Instrument :
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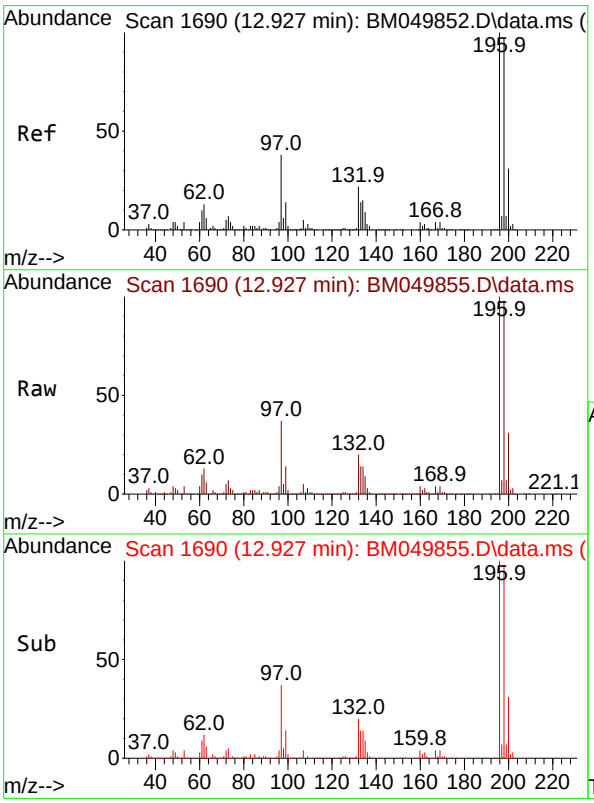
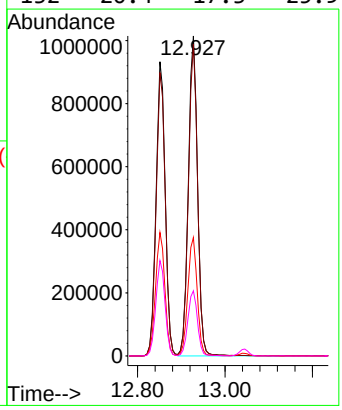
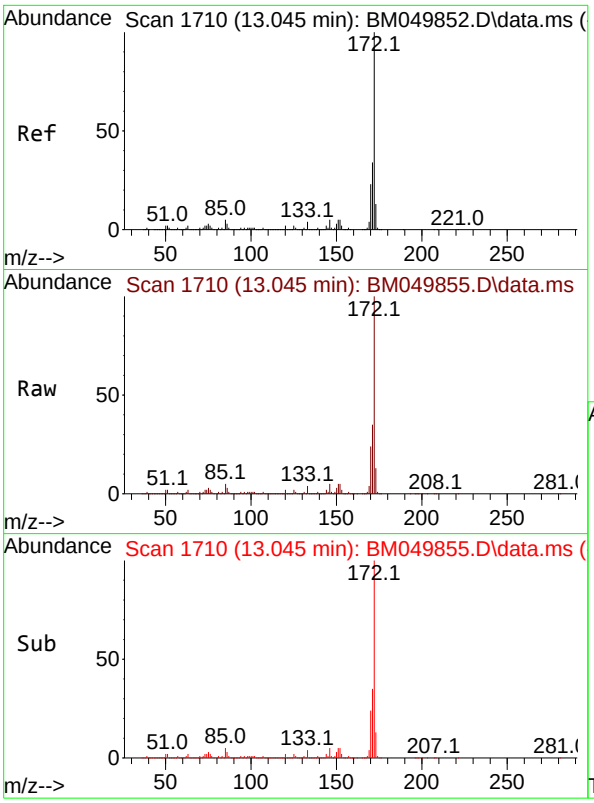


#44
2,4,5-Trichlorophenol
Concen: 84.323 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:196 Resp: 1477695

Ion	Ratio	Lower	Upper
196	100		
198	97.5	77.7	116.5
97	37.0	30.3	45.5
132	20.4	17.3	25.9

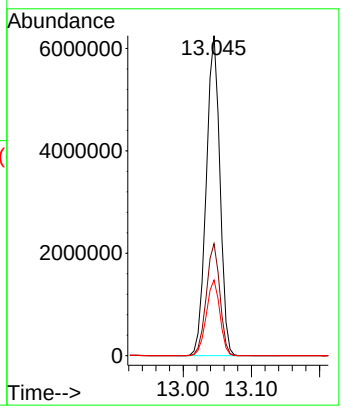




#45
2-Fluorobiphenyl
Concen: 163.160 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:172 Resp: 871591

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.2
170	23.7	18.6	28.0



Instrument :
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ClientSampleId :
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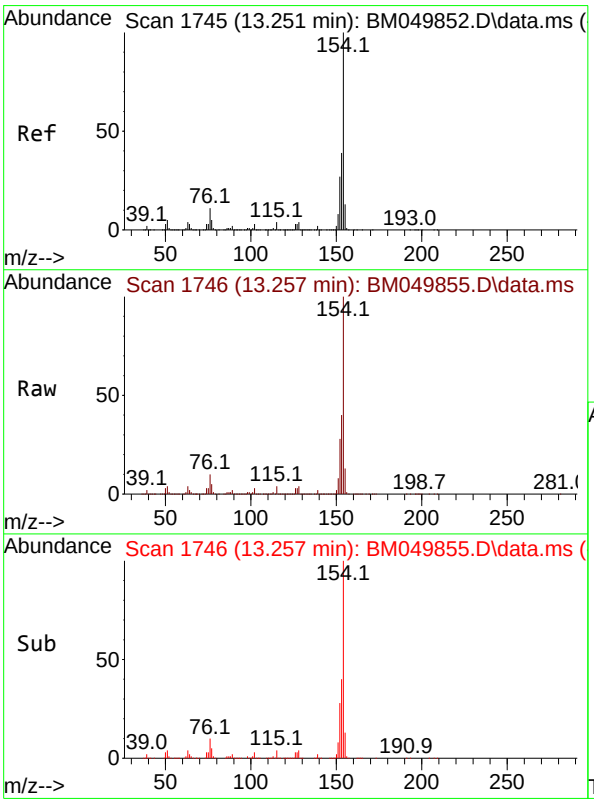
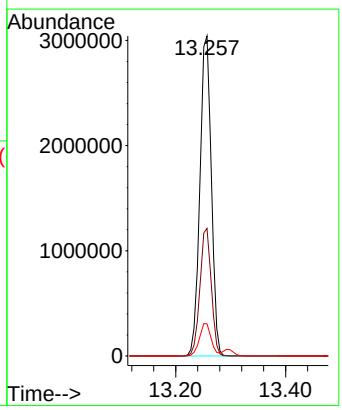
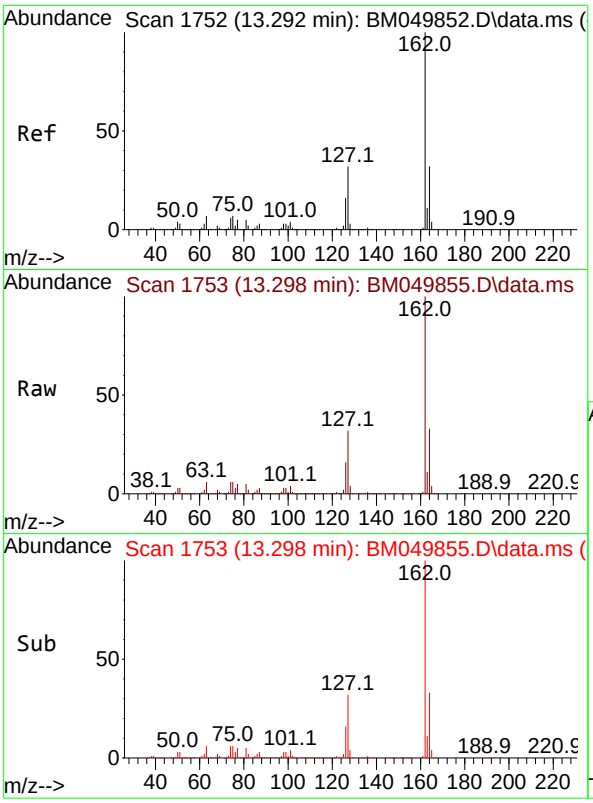


#46
1,1'-Biphenyl
Concen: 81.540 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:154 Resp: 4390713

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.3	59.3
76	10.0	0.0	30.7

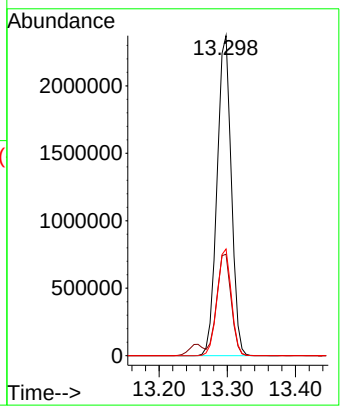




#47
2-Chloronaphthalene
Concen: 81.376 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:162 Resp: 344409

Ion	Ratio	Lower	Upper
162	100		
127	31.7	26.0	39.0
164	33.3	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
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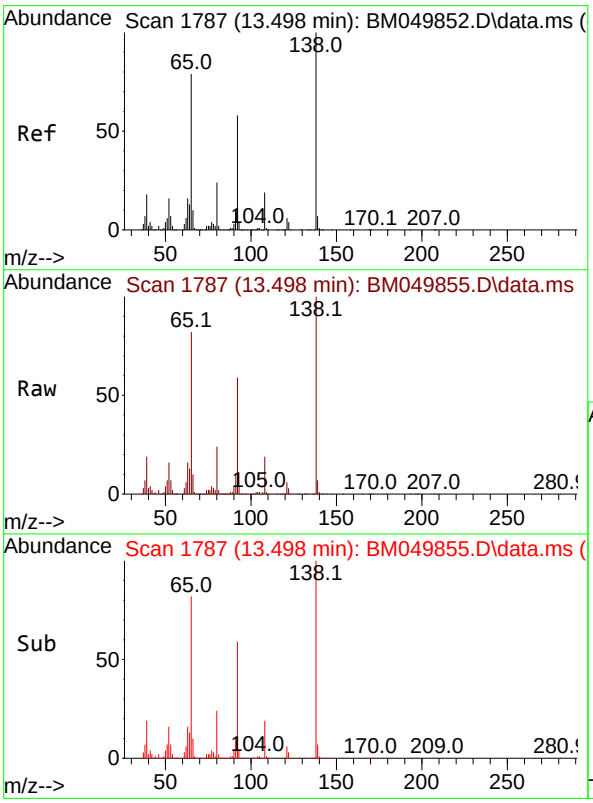
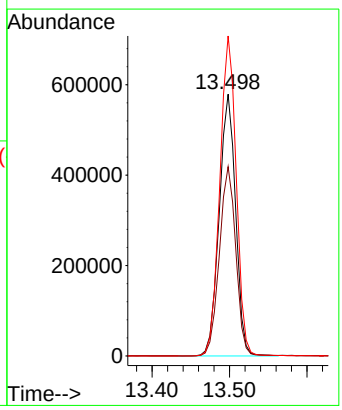
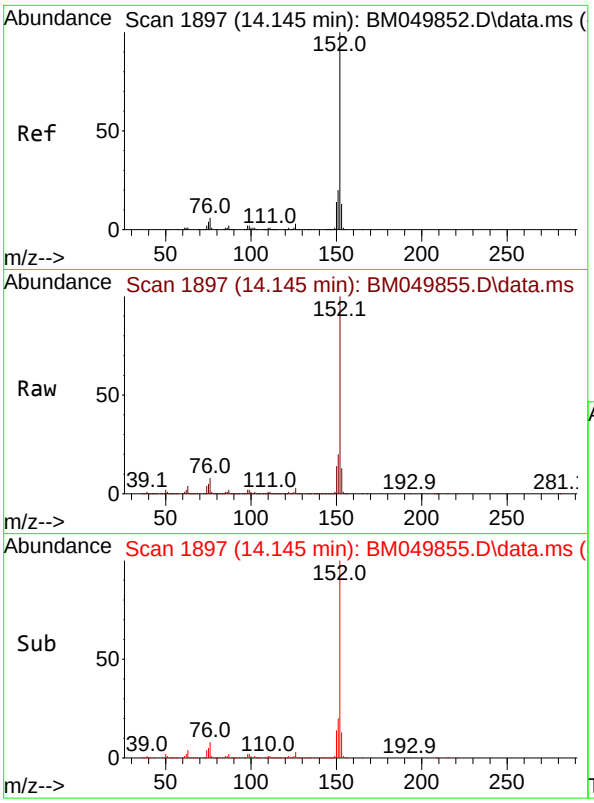


#48
2-Nitroaniline
Concen: 87.168 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 65 Resp: 853486

Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.4	87.6
138	122.2	100.8	151.2

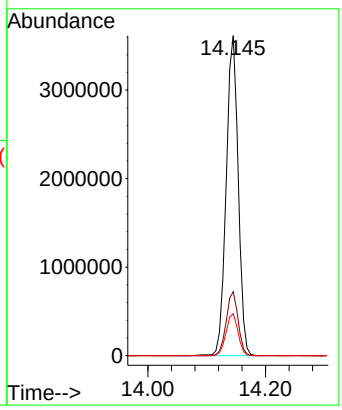




#49
Acenaphthylene
Concen: 83.088 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:152 Resp: 512239

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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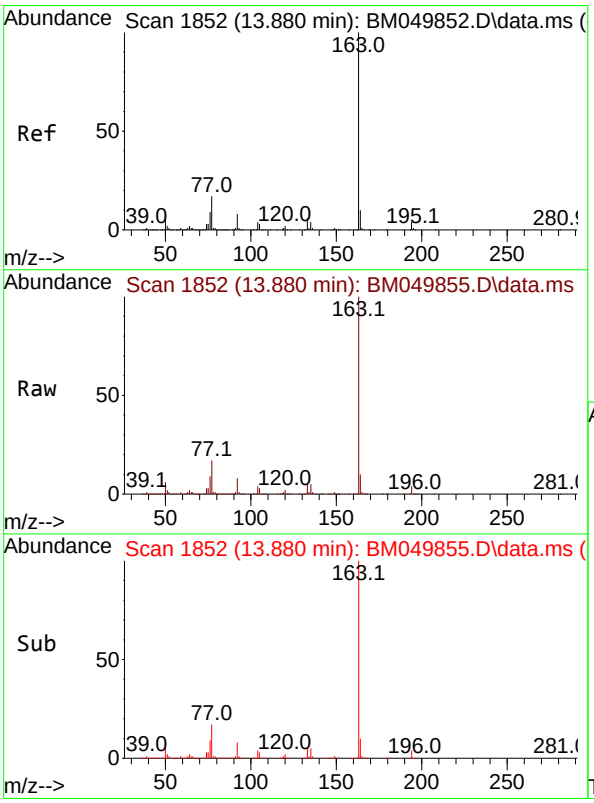
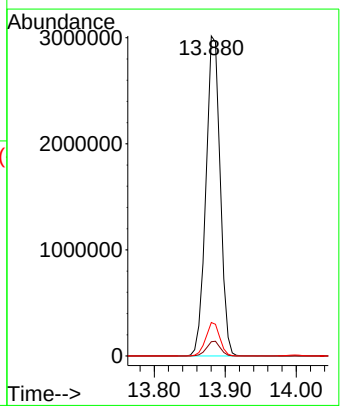
Supervised By :Jagrut Upadhyay 04/09/2025

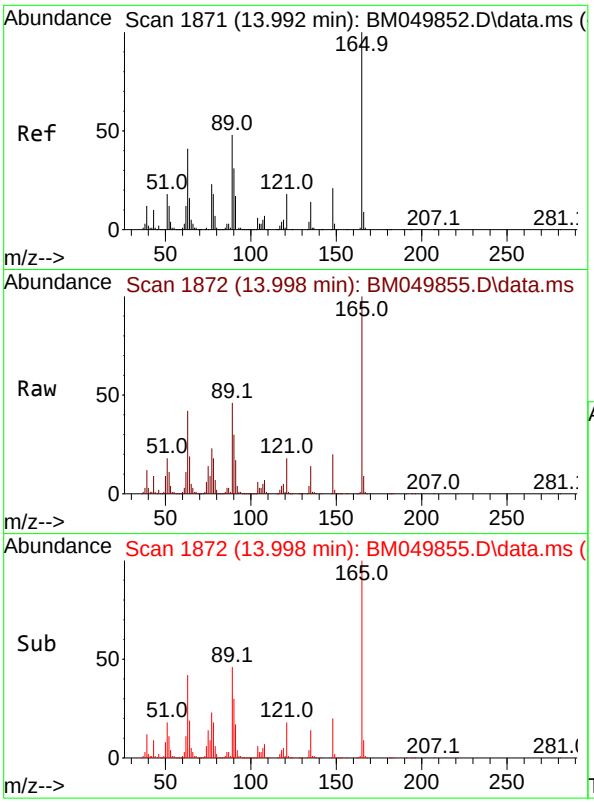


#50
Dimethylphthalate
Concen: 82.512 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:163 Resp: 4216670

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.4	7.9	11.9

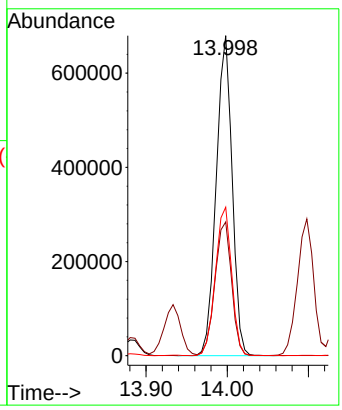




#51
2,6-Dinitrotoluene
Concen: 86.653 ng
RT: 13.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:165 Resp: 92778

Ion	Ratio	Lower	Upper
165	100		
63	41.8	36.1	54.1
89	46.4	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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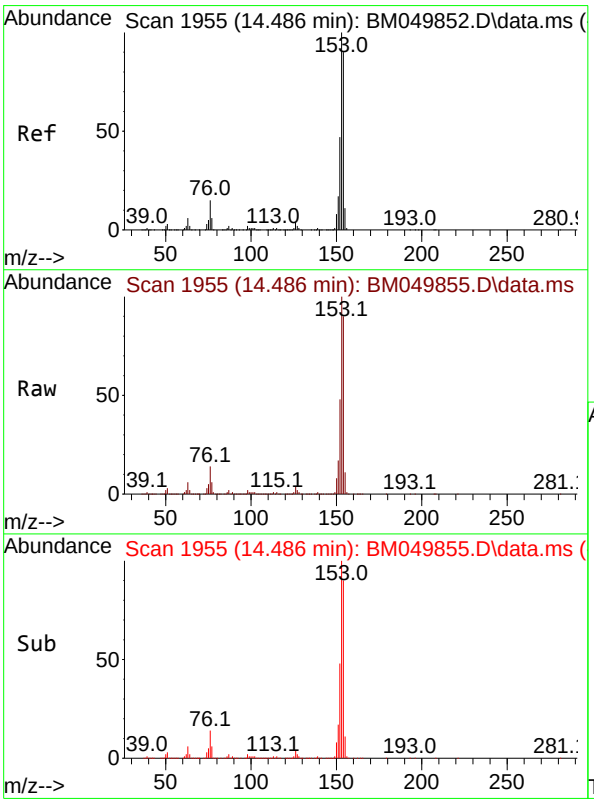
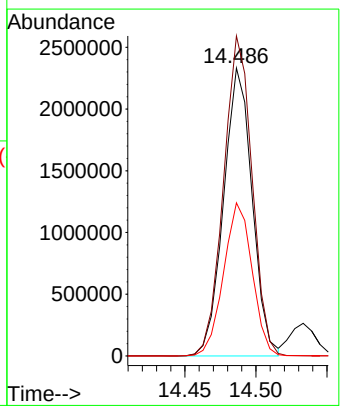
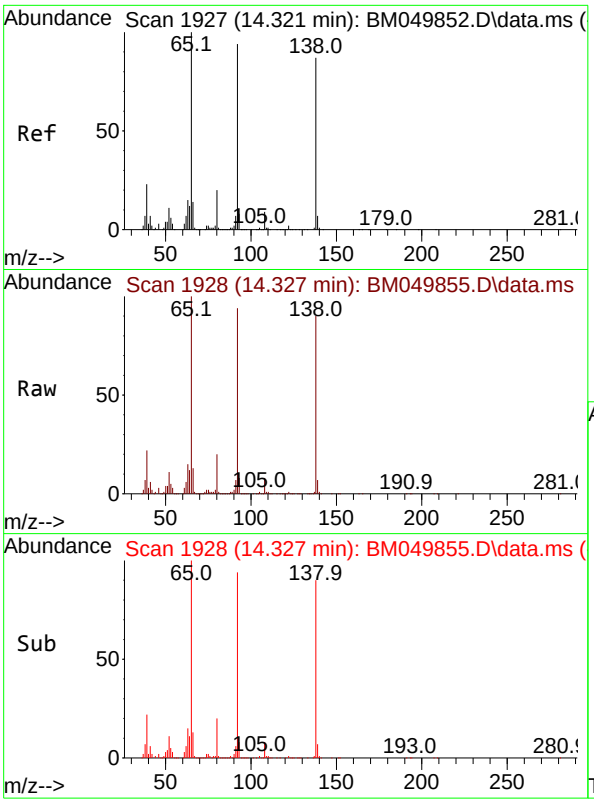


#52
Acenaphthene
Concen: 83.258 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:154 Resp: 3264918

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	53.2	42.2	63.2

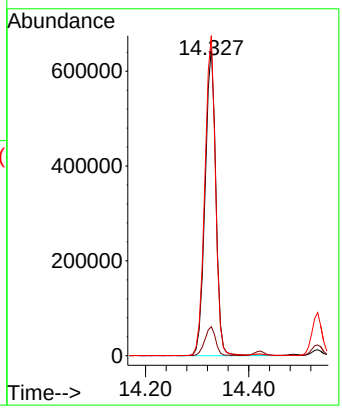




#53
3-Nitroaniline
Concen: 89.933 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:138 Resp: 93064

Ion	Ratio	Lower	Upper
138	100		
108	9.4	8.1	12.1
92	104.0	86.5	129.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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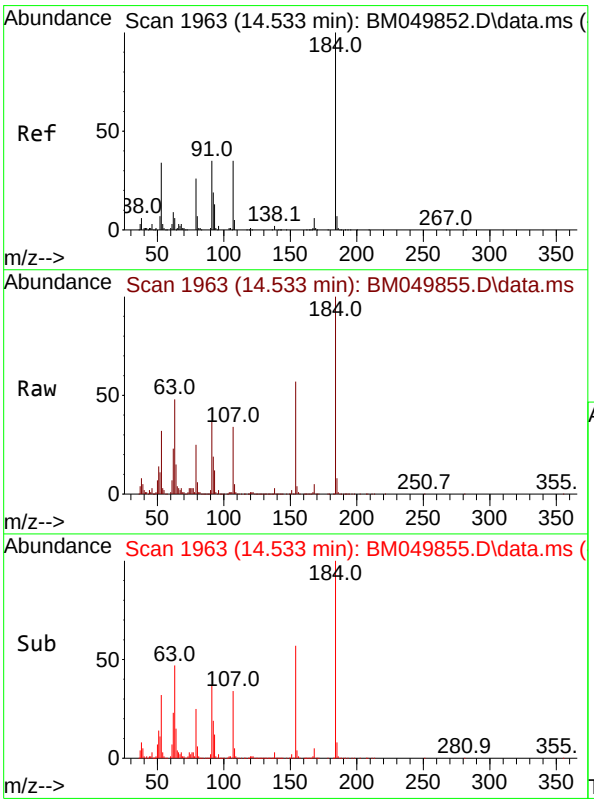
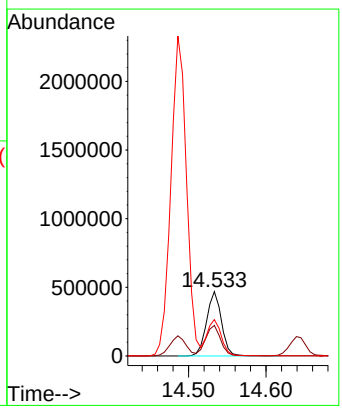
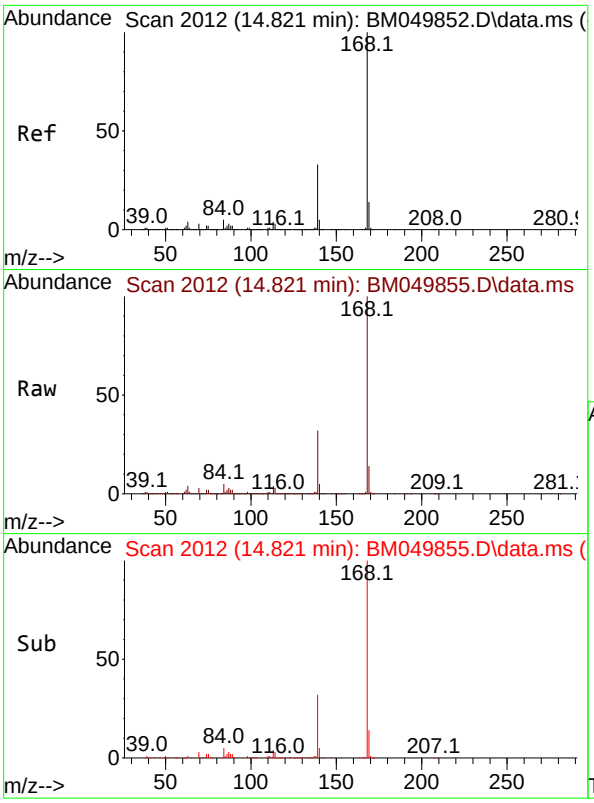


#54
2,4-Dinitrophenol
Concen: 80.604 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:184 Resp: 625443

Ion	Ratio	Lower	Upper
184	100		
63	47.6	38.4	57.6
154	56.6	48.1	72.1





#55
Dibenzofuran
Concen: 83.068 ng
RT: 14.821 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:168 Resp: 544558(

Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.6	11.0	16.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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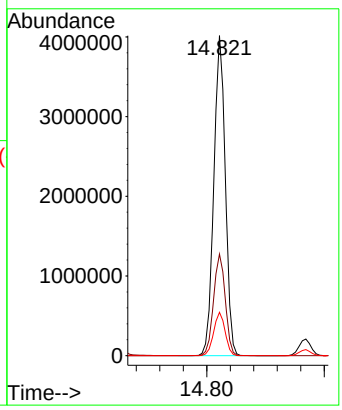
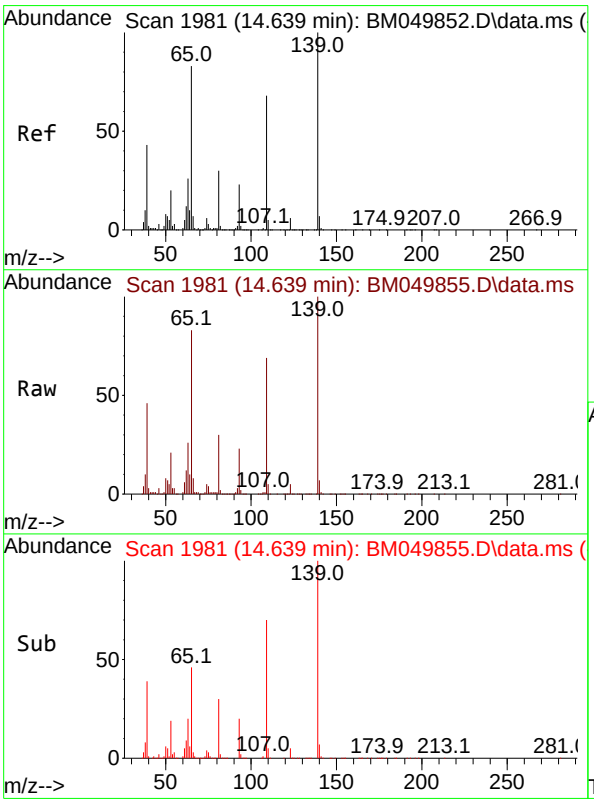
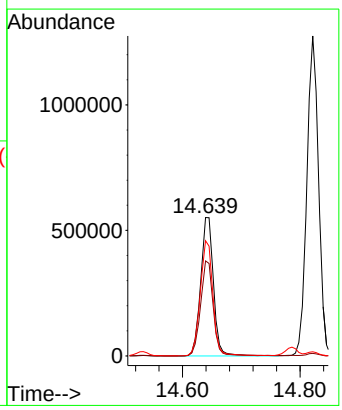


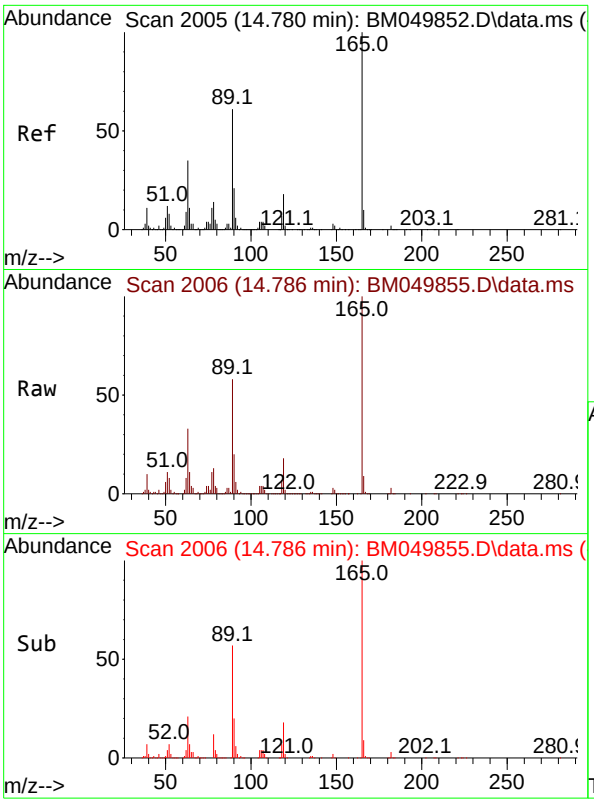


#56
4-Nitrophenol
Concen: 90.623 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:139 Resp: 835691

Ion	Ratio	Lower	Upper
139	100		
109	68.7	47.9	87.9
65	83.2	62.7	102.7

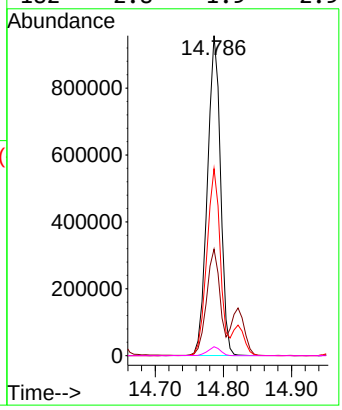




#57
2,4-Dinitrotoluene
Concen: 89.846 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:165 Resp: 128334

Ion	Ratio	Lower	Upper
165	100		
63	33.3	28.6	42.8
89	58.5	49.0	73.6
182	2.8	1.9	2.9



Instrument :
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ClientSampleId :
SSTDICC080

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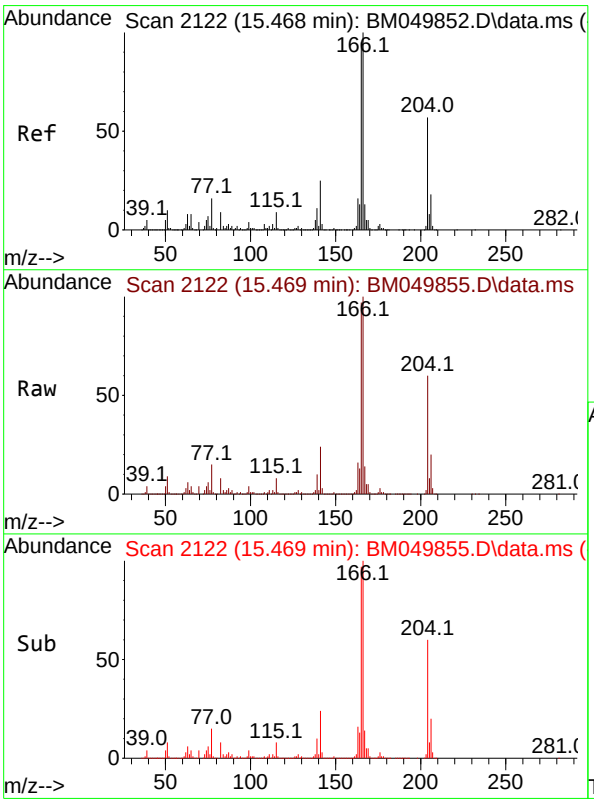
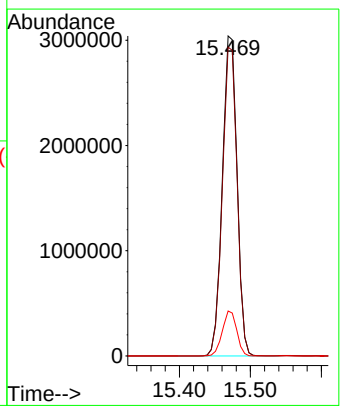
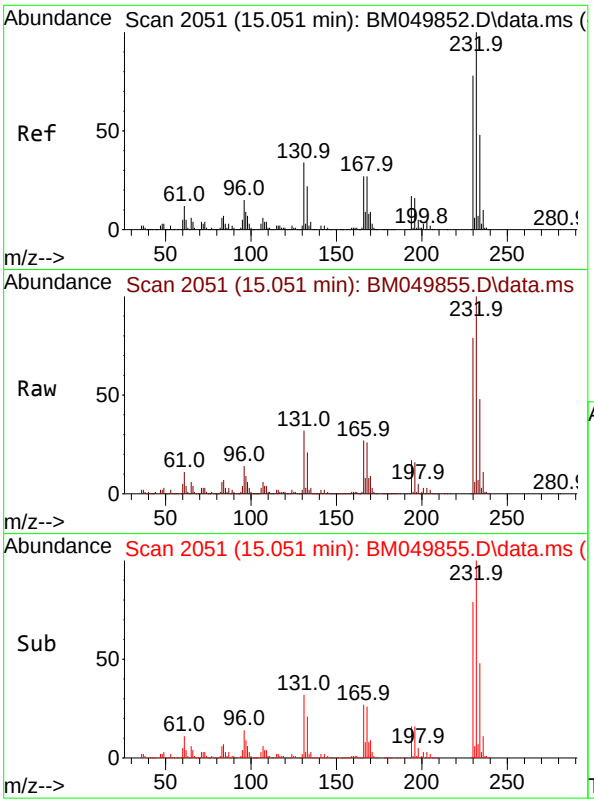


#58
Fluorene
Concen: 83.687 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:166 Resp: 4360823

Ion	Ratio	Lower	Upper
166	100		
165	96.5	76.3	114.5
167	14.0	10.7	16.1

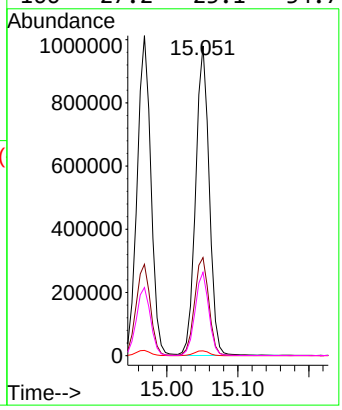




#59
2,3,4,6-Tetrachlorophenol
Concen: 85.213 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:232 Resp: 130882

Ion	Ratio	Lower	Upper
232	100		
131	33.3	28.4	42.6
130	1.7	1.6	2.4
166	27.2	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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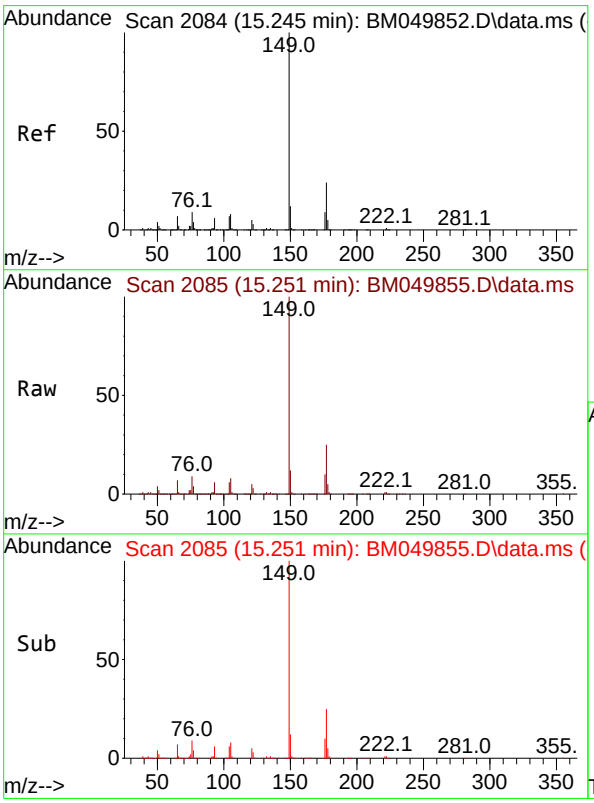
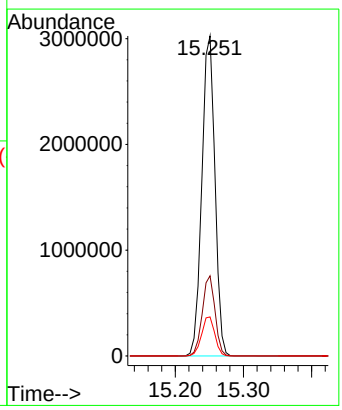
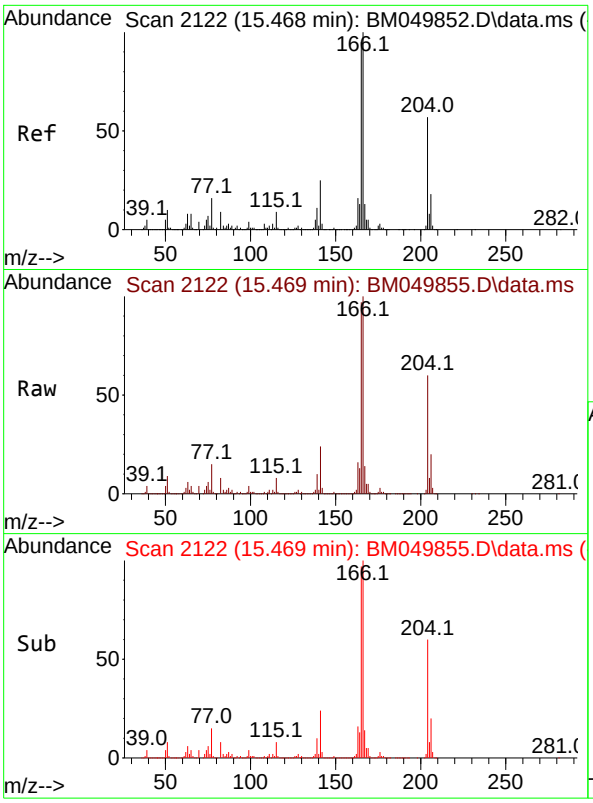


#60
Diethylphthalate
Concen: 82.577 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 4046865

Ion	Ratio	Lower	Upper
149	100		
177	25.0	19.0	28.4
150	12.2	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 86.698 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 242211

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.2
141	39.3	35.0	52.6

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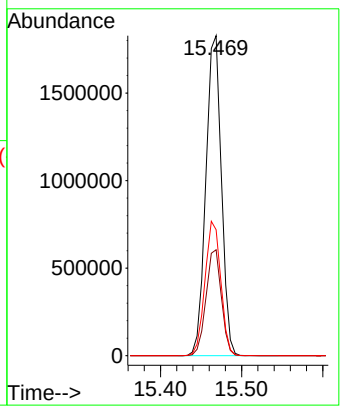
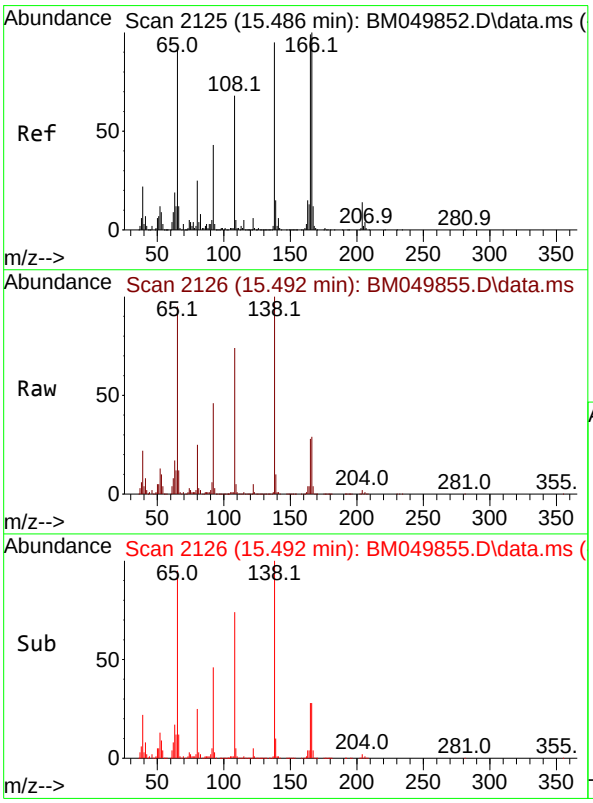
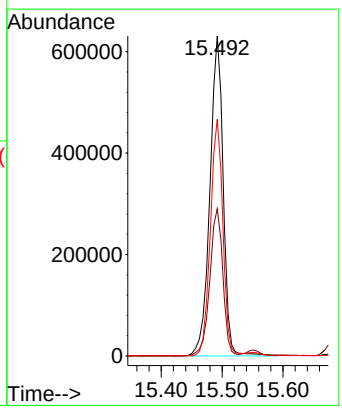


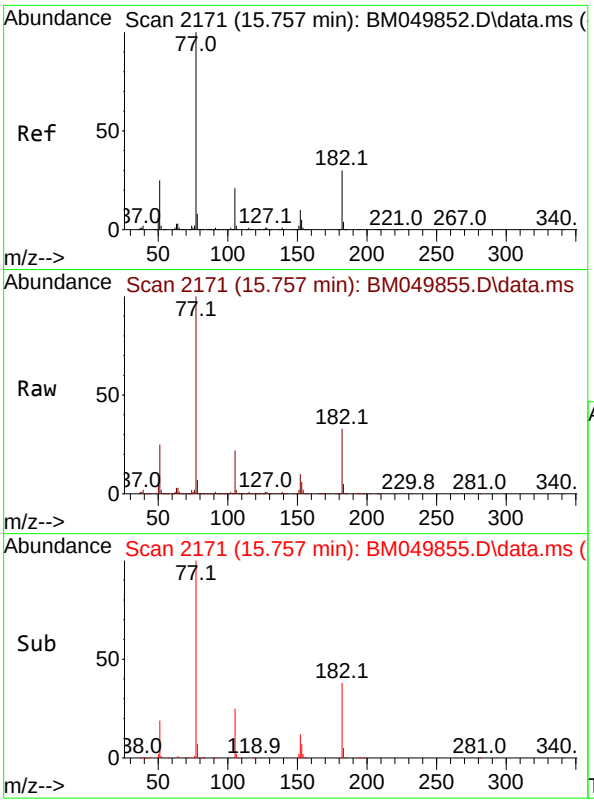


#62
4-Nitroaniline
Concen: 89.608 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:138 Resp: 958937

Ion	Ratio	Lower	Upper
138	100		
92	46.0	24.9	64.9
108	74.0	51.7	91.7

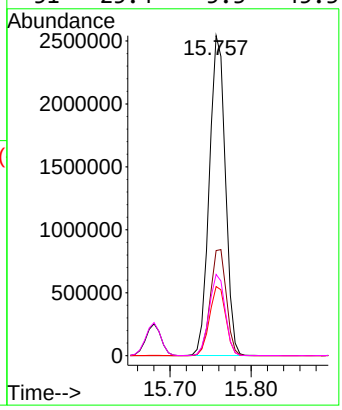




#63
Azobenzene
Concen: 82.888 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 347780

Ion	Ratio	Lower	Upper
77	100		
182	32.9	10.4	50.4
105	21.6	1.5	41.5
51	25.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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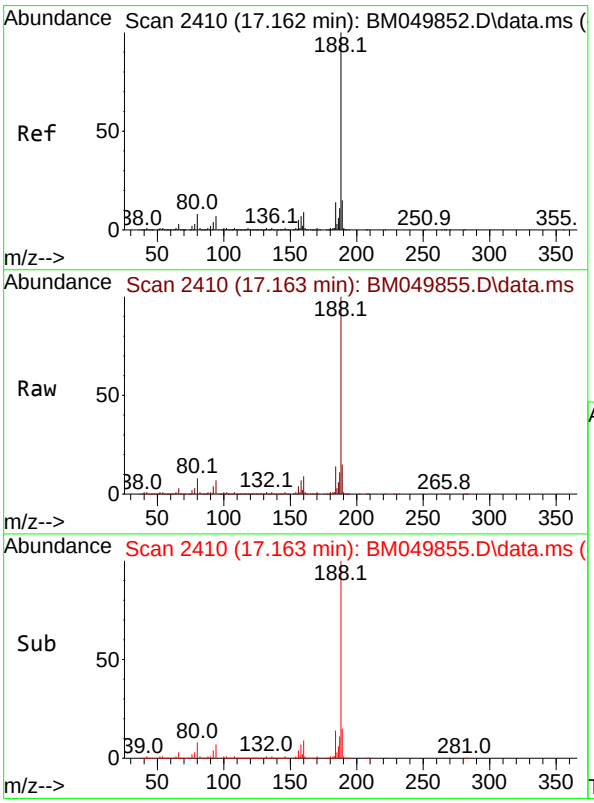
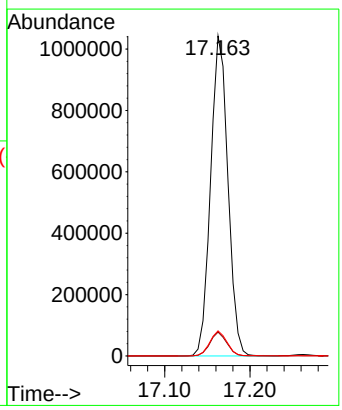
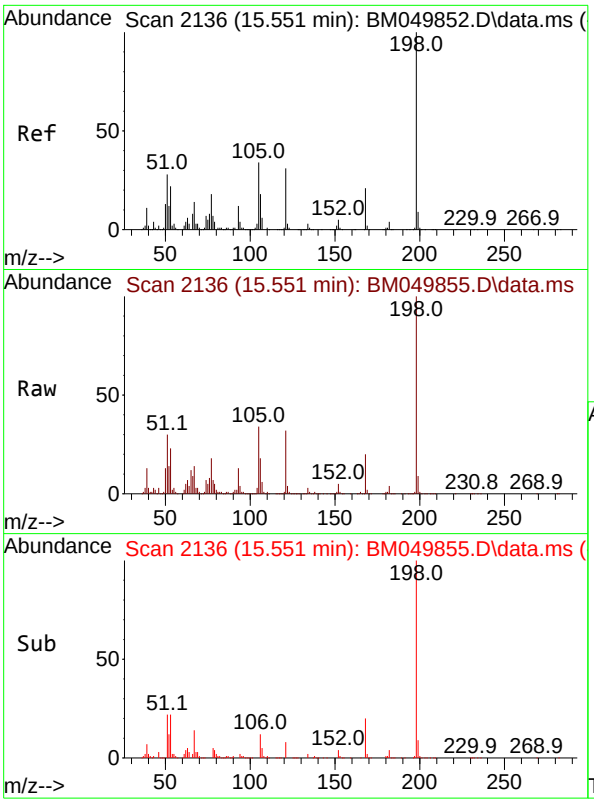


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:188 Resp: 1472595

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.8	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 88.841 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:198 Resp: 82441

Ion	Ratio	Lower	Upper
198	100		
51	29.8	9.6	49.6
105	34.1	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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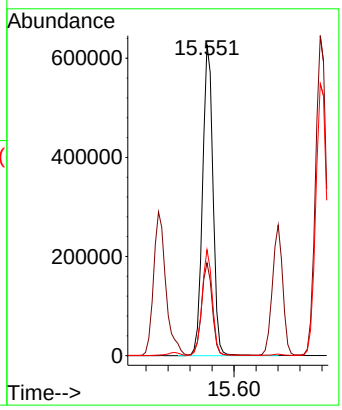
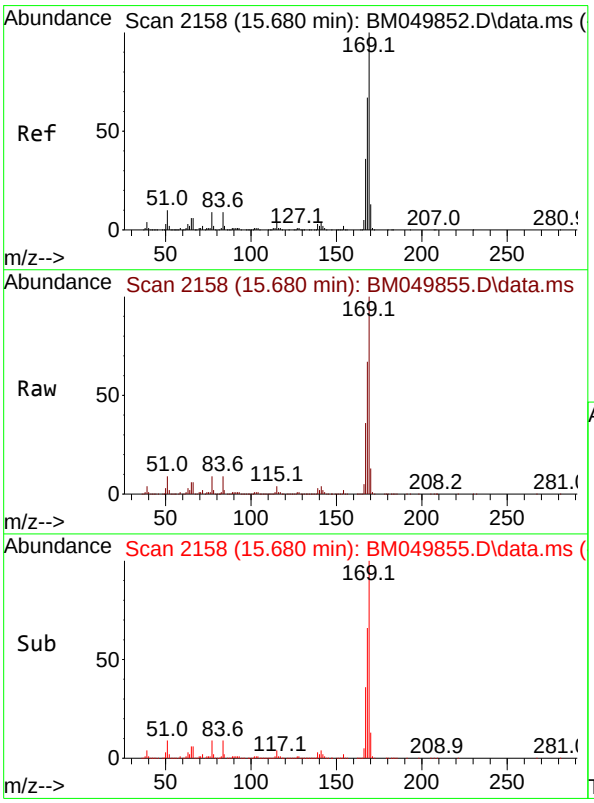
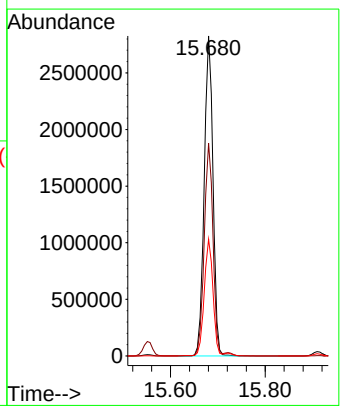


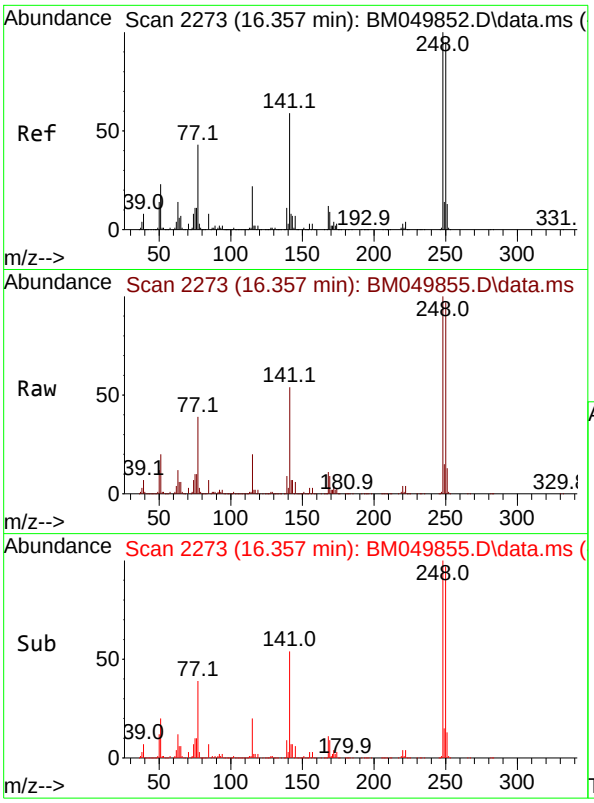


#66
n-Nitrosodiphenylamine
Concen: 82.034 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:169 Resp: 3615164

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 86.704 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:248 Resp: 148221

Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.2	114.2
141	53.6	47.3	70.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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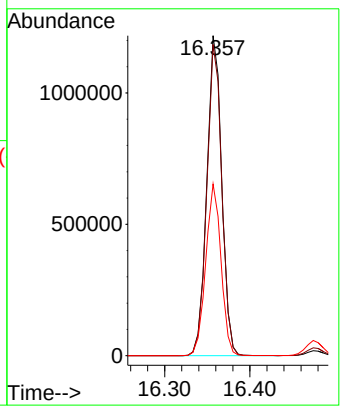
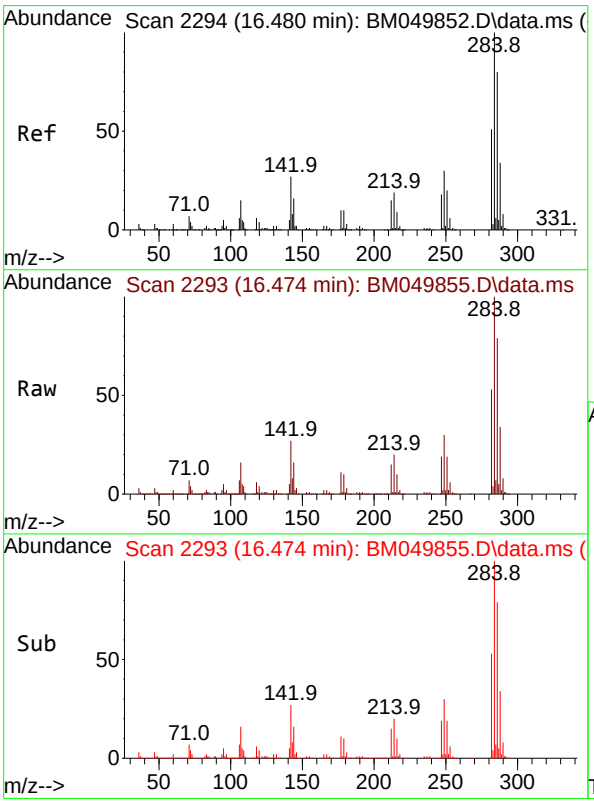
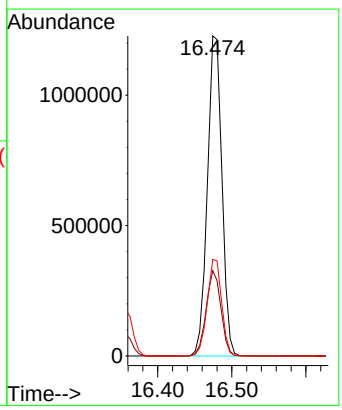


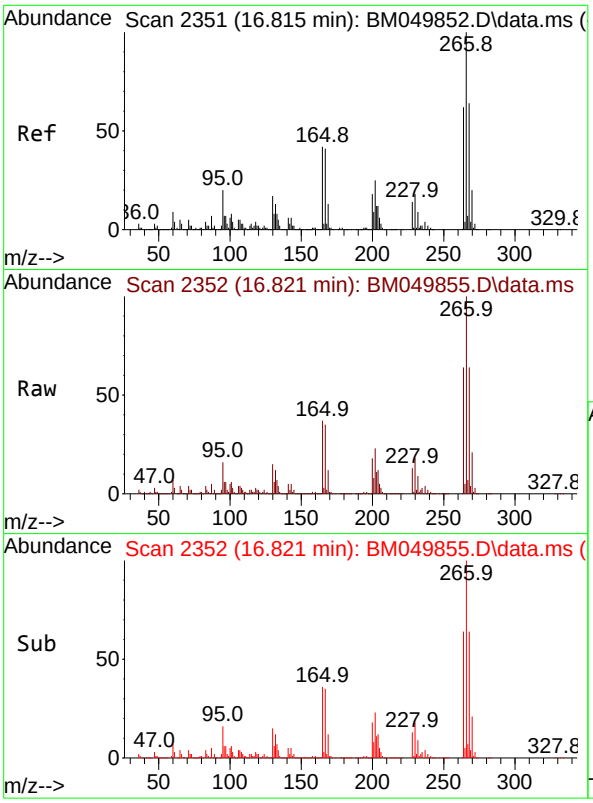


#68
Hexachlorobenzene
Concen: 85.201 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:284 Resp: 1670677

Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.2	31.8
249	30.2	24.1	36.1

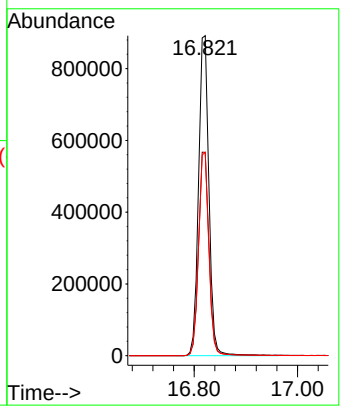




#70
Pentachlorophenol
Concen: 85.821 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:266 Resp: 123892

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	63.6	49.8	74.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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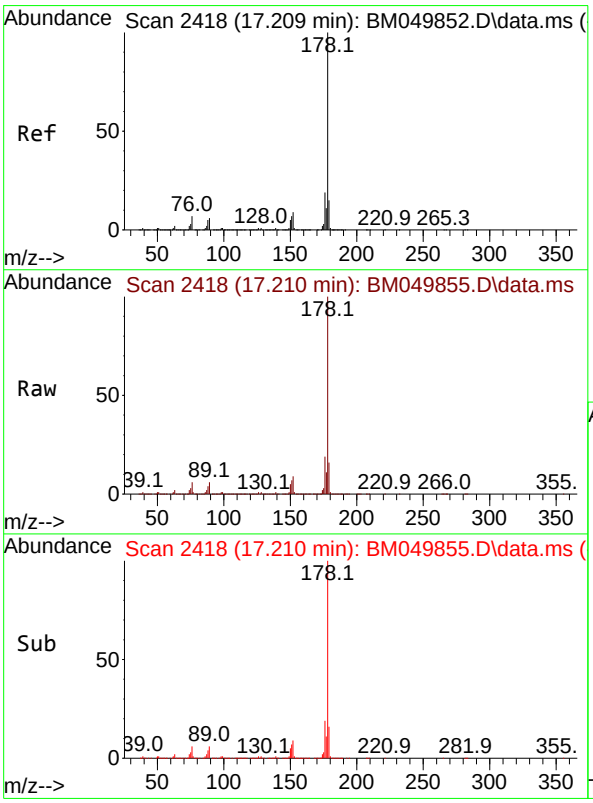
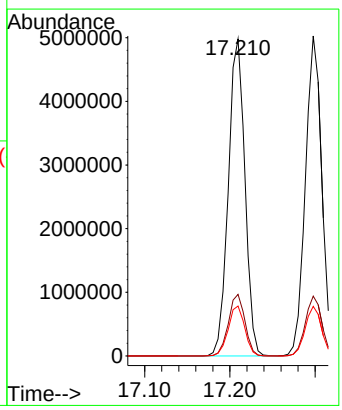
Supervised By :Jagrut Upadhyay 04/09/2025

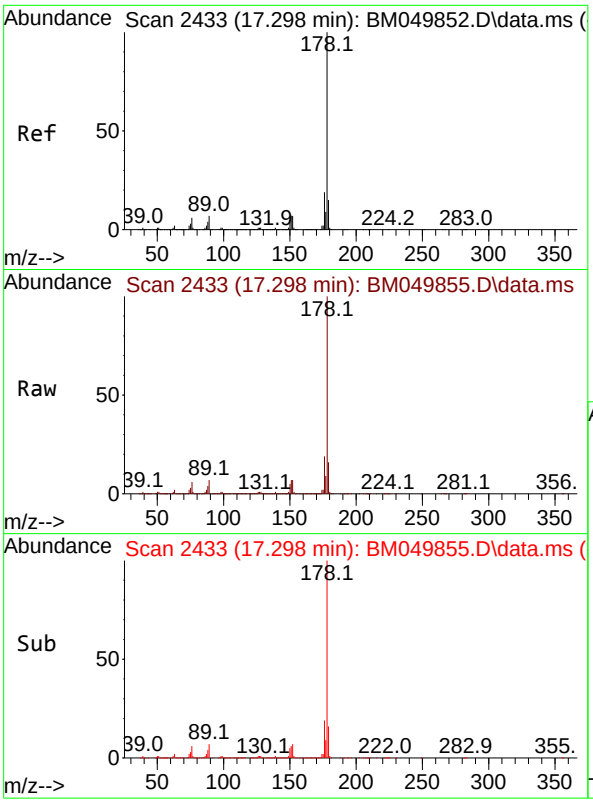


#71
Phenanthrene
Concen: 83.700 ng
RT: 17.210 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:178 Resp: 6757399

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.3	18.5

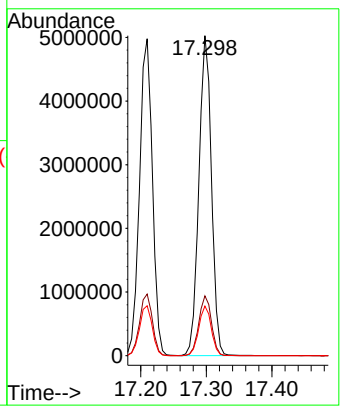




#72
Anthracene
Concen: 84.390 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:178 Resp: 671418

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.5	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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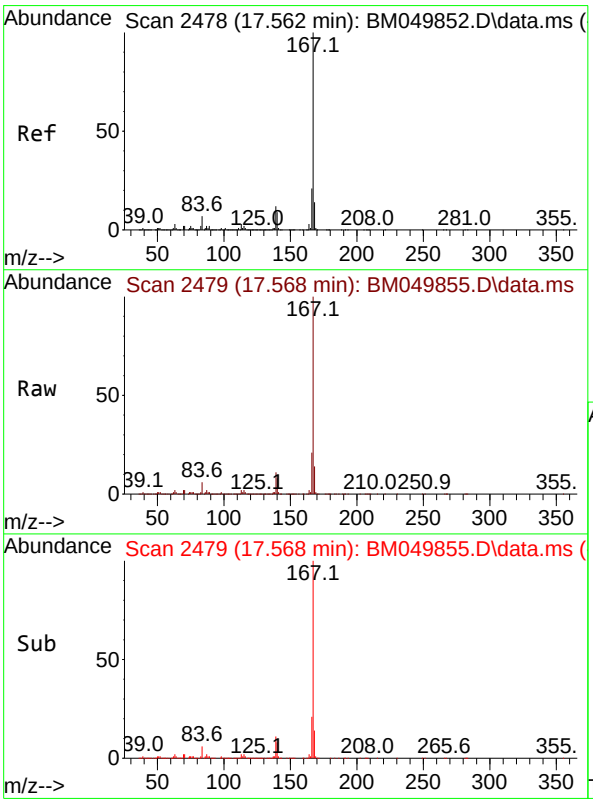
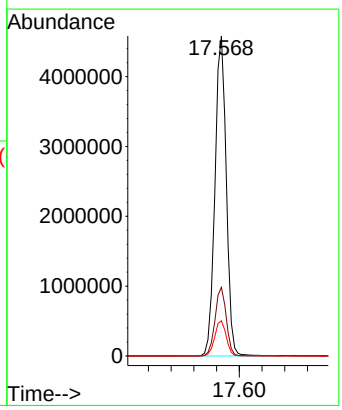
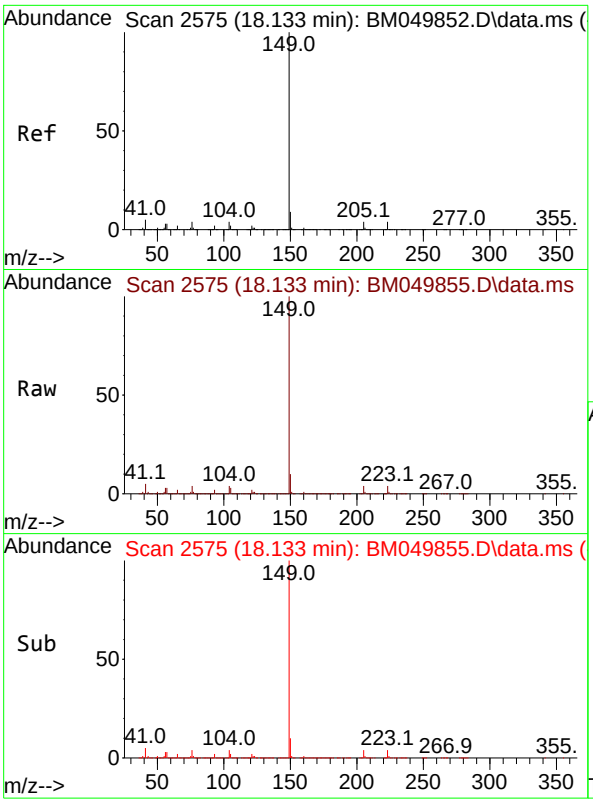


#73
Carbazole
Concen: 84.159 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:167 Resp: 6306654

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.9	25.3
139	11.0	9.3	13.9





#74
Di-n-butylphthalate
Concen: 81.592 ng
RT: 18.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 704243

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.5	3.5	5.3

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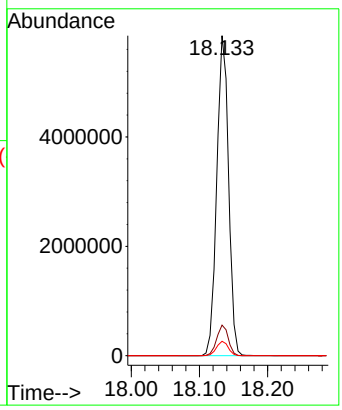
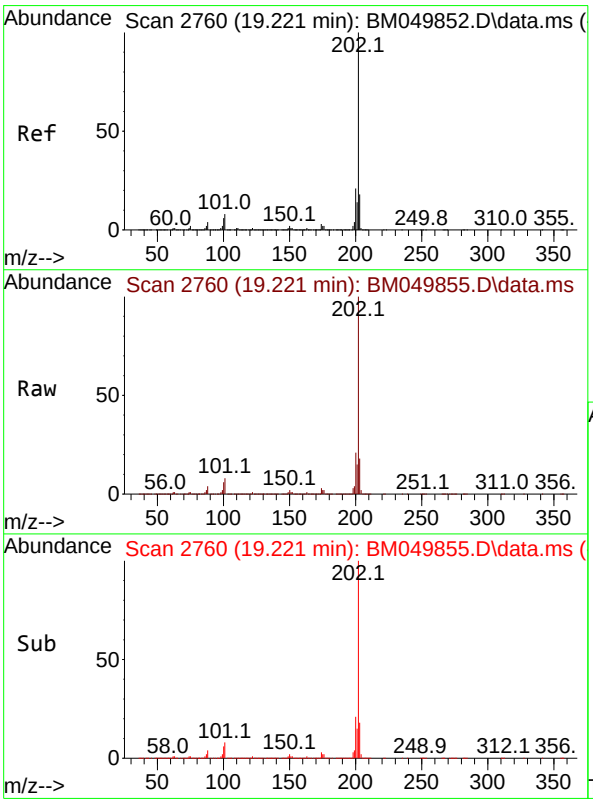
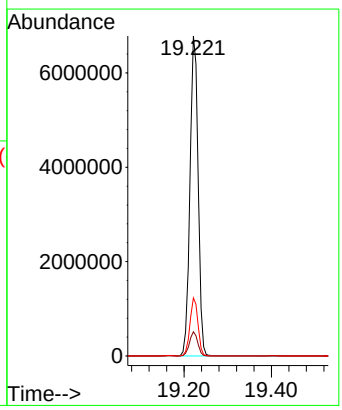


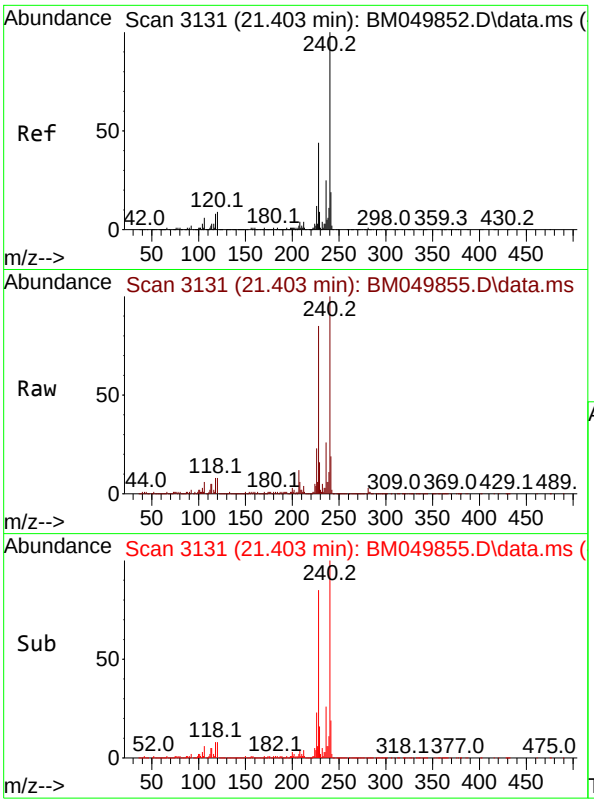


#75
Fluoranthene
Concen: 88.324 ng
RT: 19.221 min Scan# 2760
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:202 Resp: 8767531

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	18.1	0.0	37.8

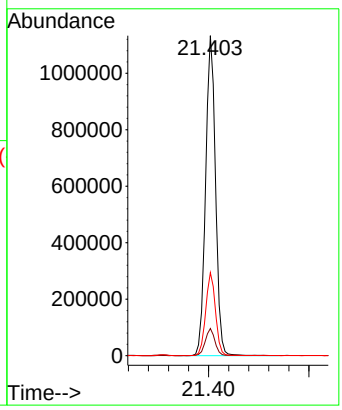




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:240 Resp: 155860

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.0	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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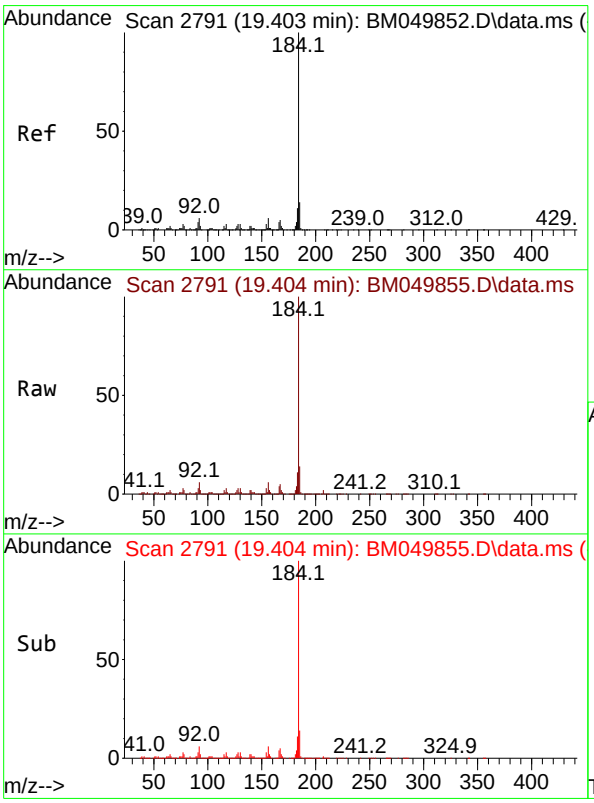
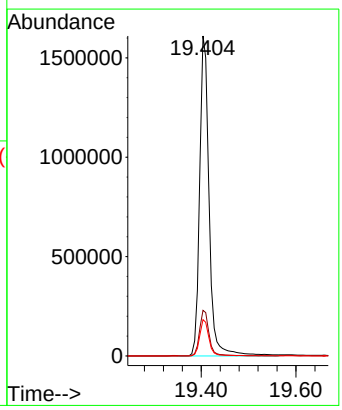
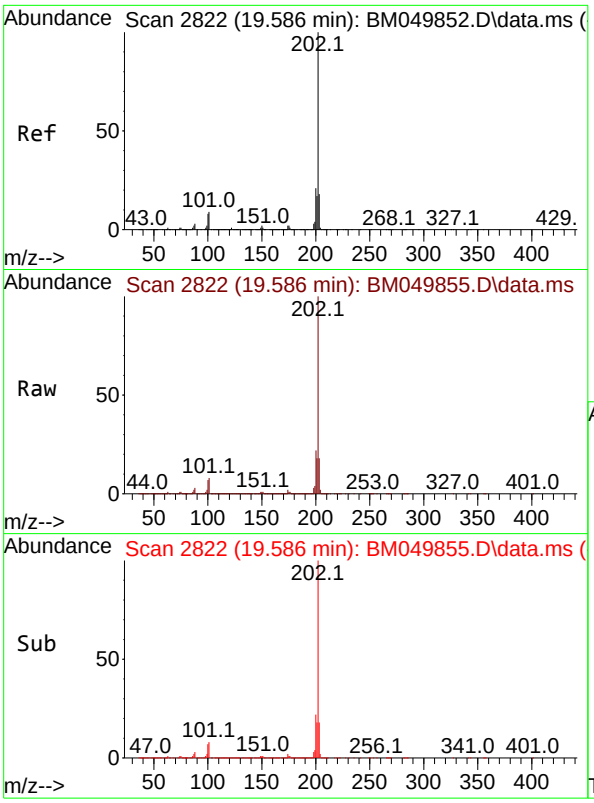


#77
Benzidine
Concen: 107.704 ng
RT: 19.404 min Scan# 2791
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:184 Resp: 2227000

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	11.4	8.8	13.2





#78
Pyrene
Concen: 83.755 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:202 Resp: 899668

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	18.0	14.0	21.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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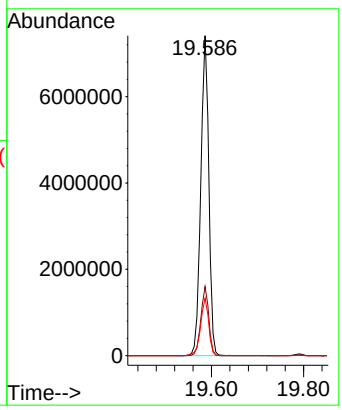
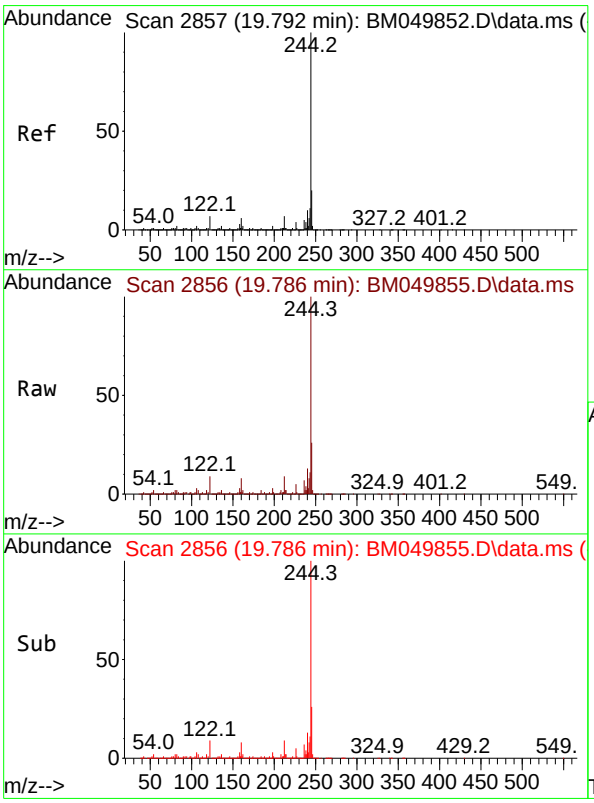
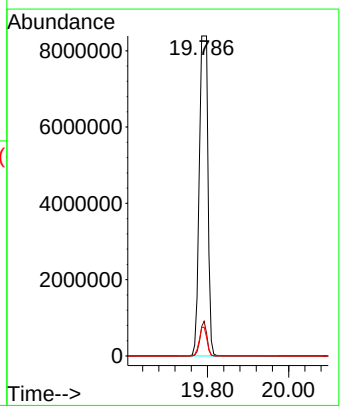


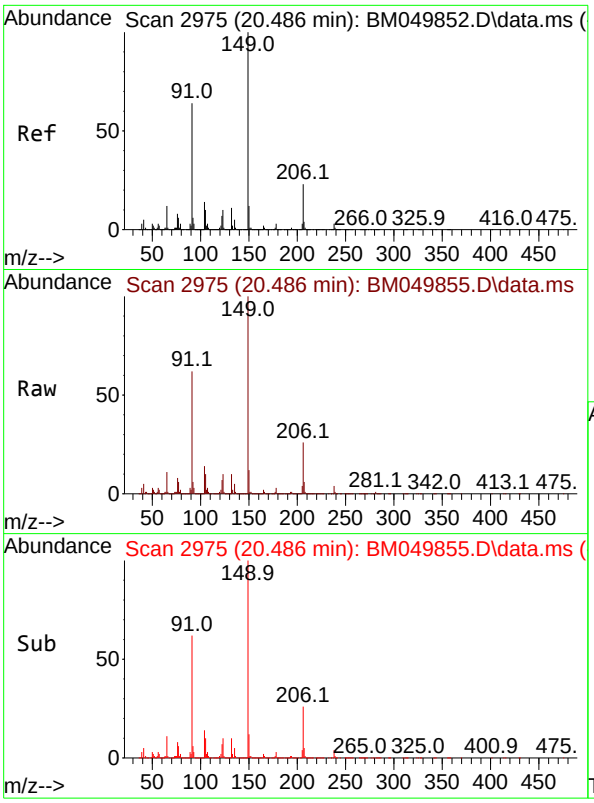


#79
Terphenyl-d14
Concen: 150.586 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:244 Resp:12523857

Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.5	8.3#
122	8.9	5.4	8.0#

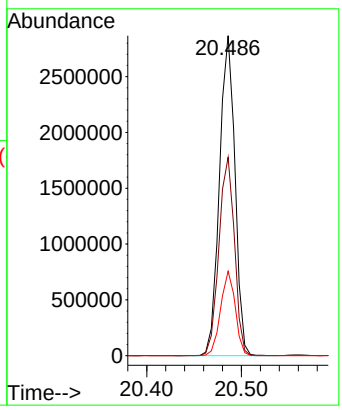




#80
Butylbenzylphthalate
Concen: 80.838 ng
RT: 20.486 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 326279

Ion	Ratio	Lower	Upper
149	100		
91	62.0	50.9	76.3
206	26.4	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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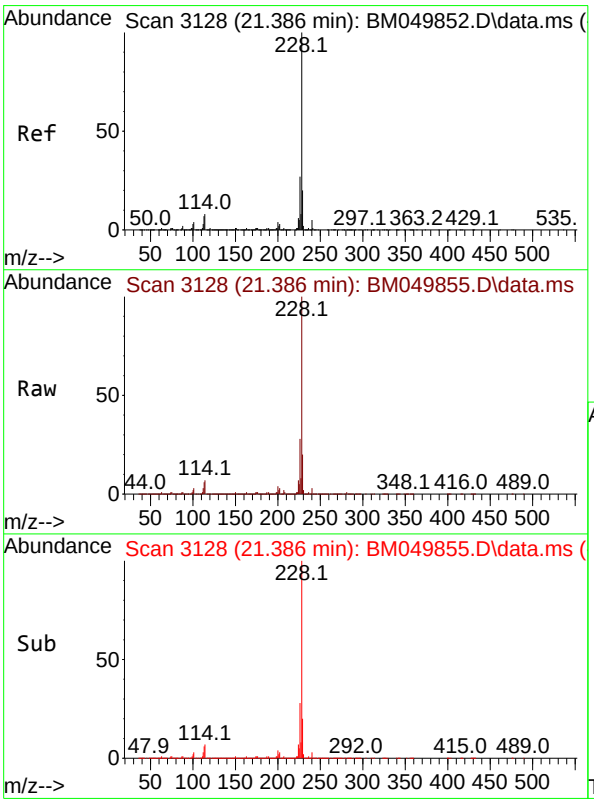
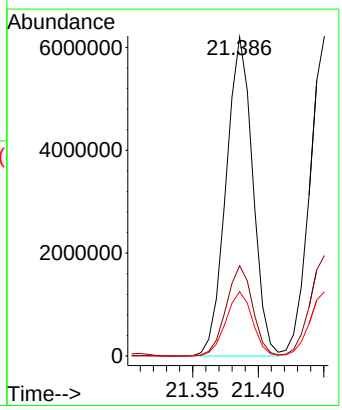
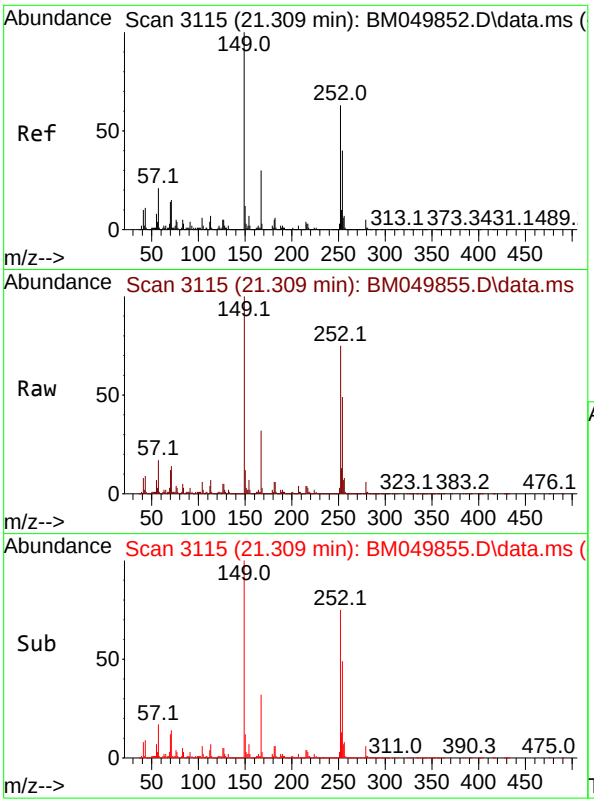


#81
Benzo(a)anthracene
Concen: 84.761 ng
RT: 21.386 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:228 Resp: 8779936

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	20.2	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 90.091 ng
RT: 21.309 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 352413

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.5	77.3
126	6.4	6.3	9.5

Manual Integrations
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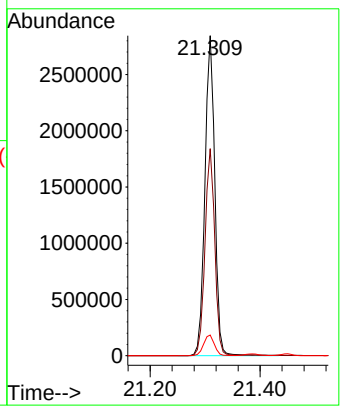
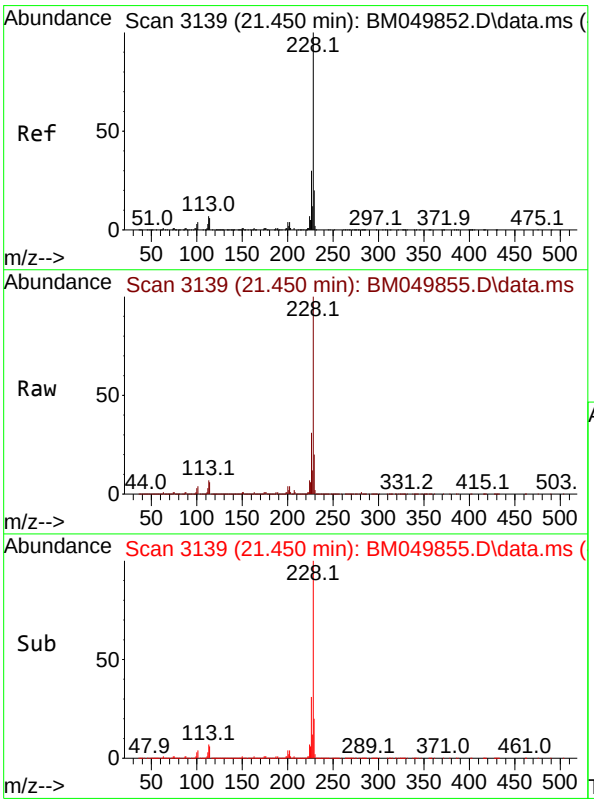
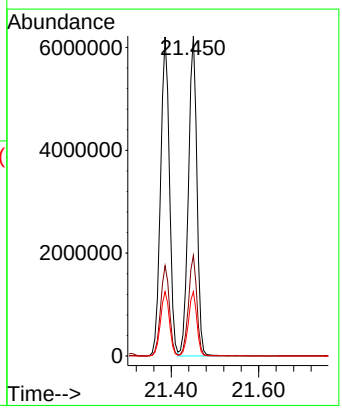


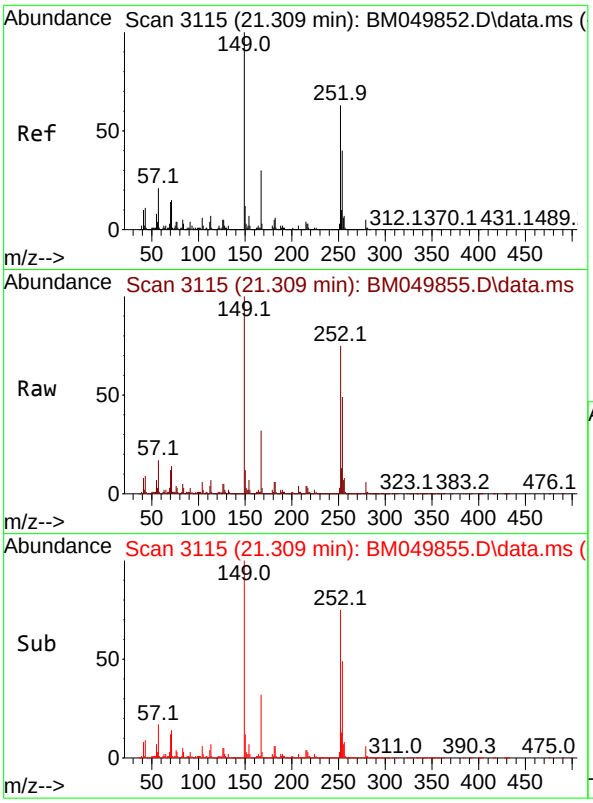


#83
Chrysene
Concen: 85.181 ng
RT: 21.450 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:228 Resp: 8388518

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	20.1	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 78.171 ng
RT: 21.309 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 459693

Ion	Ratio	Lower	Upper
149	100		
167	31.7	23.8	35.6
279	6.1	3.8	5.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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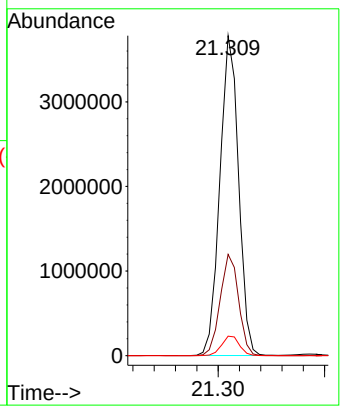
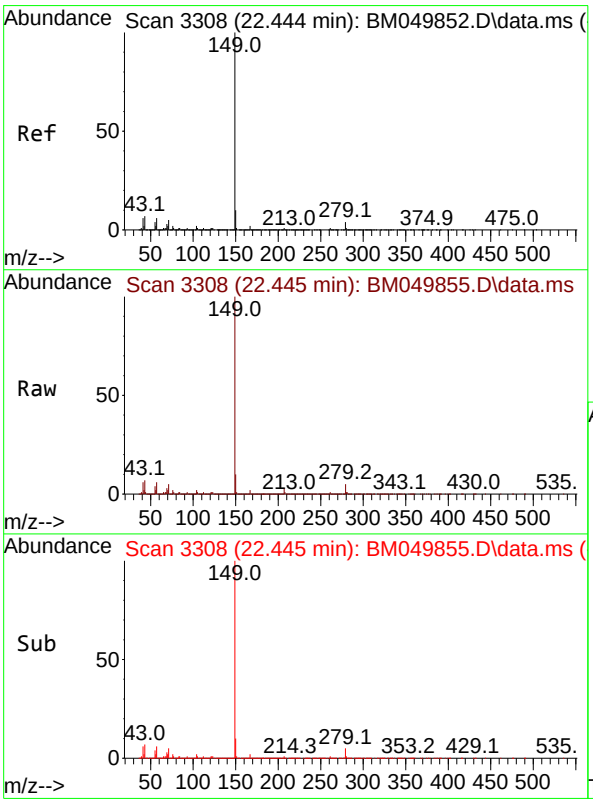
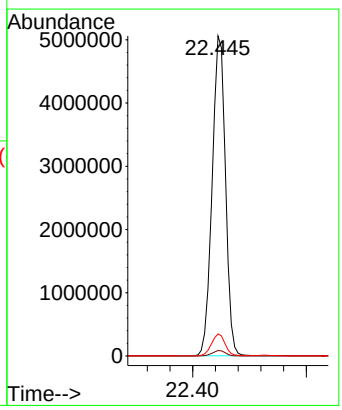


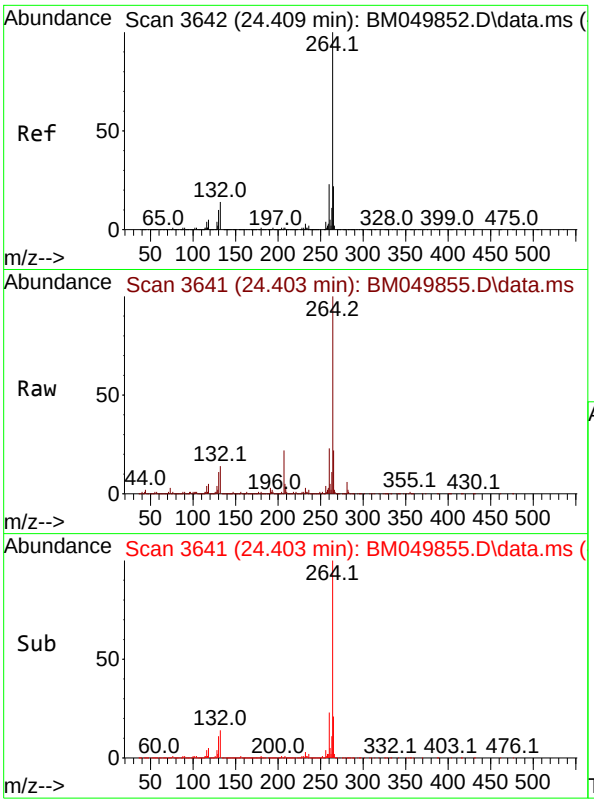


#85
Di-n-octyl phthalate
Concen: 79.753 ng
RT: 22.445 min Scan# 3308
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 8204703

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.9	5.8	8.6

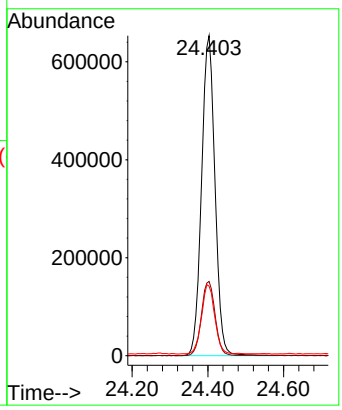




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:264 Resp: 159921

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.7	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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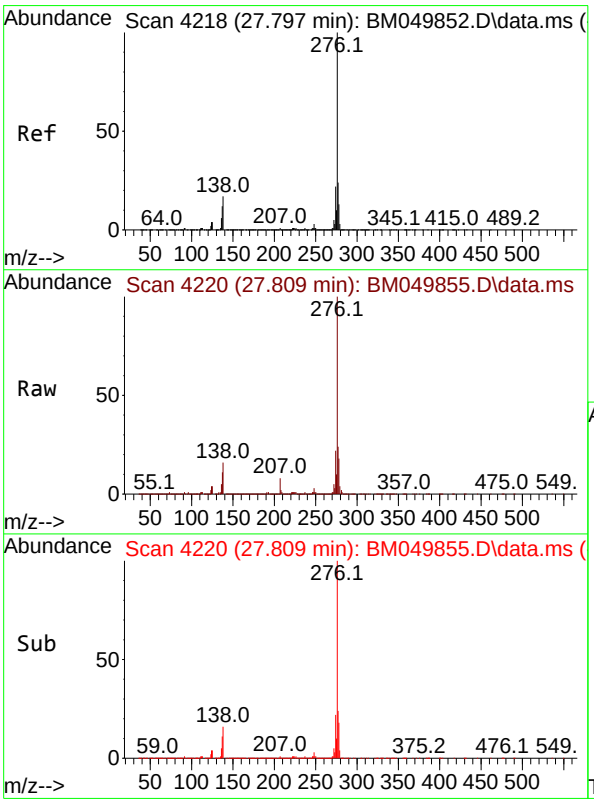
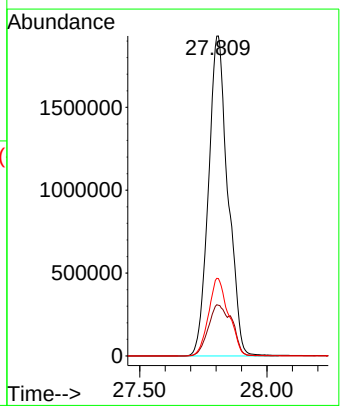
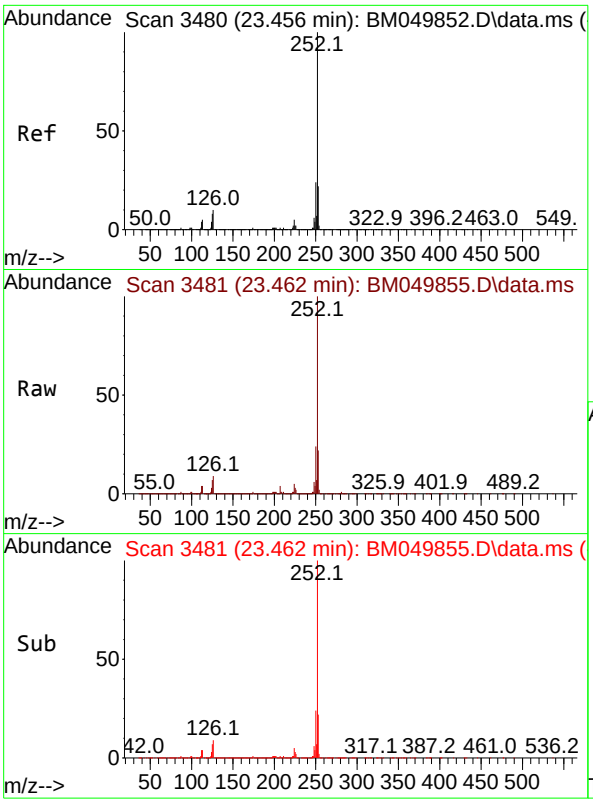


#87
Indeno(1,2,3-cd)pyrene
Concen: 86.167 ng
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:276 Resp:10271777

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	25.1	20.1	30.1

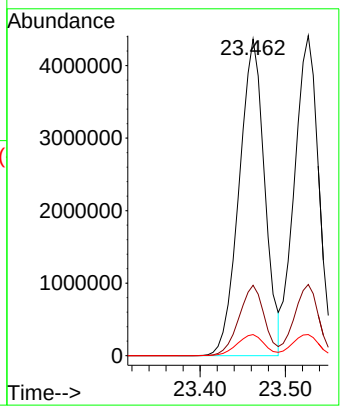




#88
Benzo(b)fluoranthene
Concen: 88.935 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 908349

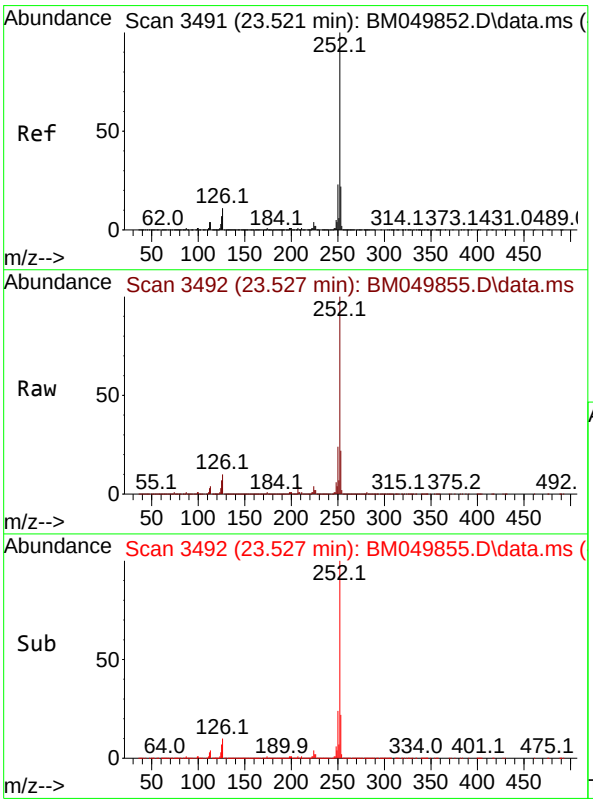
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	6.7	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

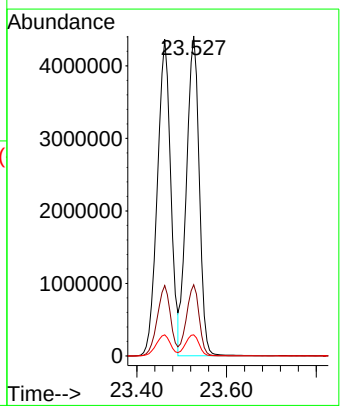
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

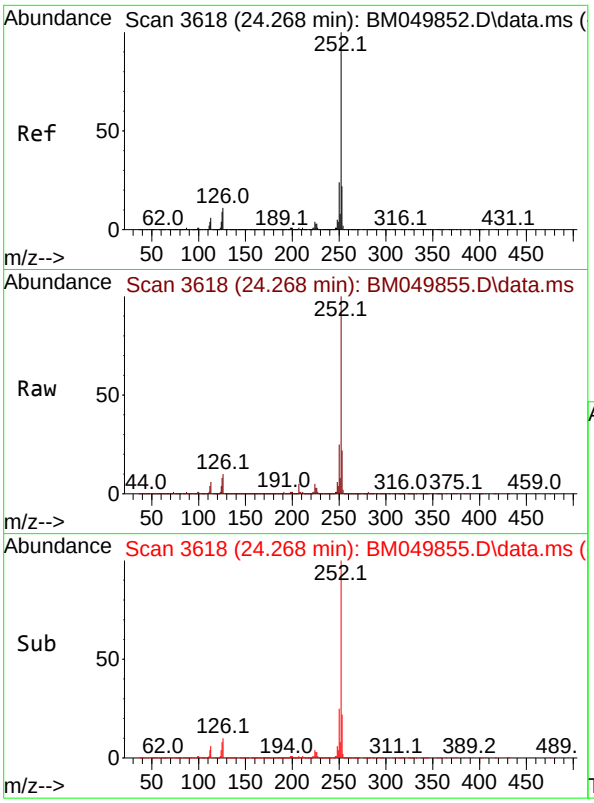


#89
Benzo(k)fluoranthene
Concen: 88.000 ng
RT: 23.527 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 8710029

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.6	5.8	8.8

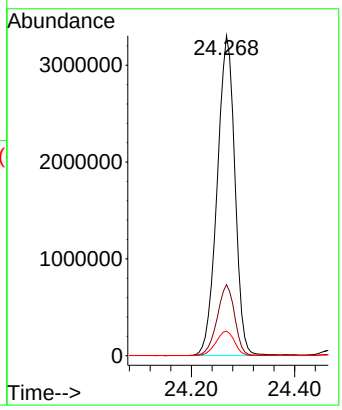




#90
Benzo(a)pyrene
Concen: 87.693 ng
RT: 24.268 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 787045

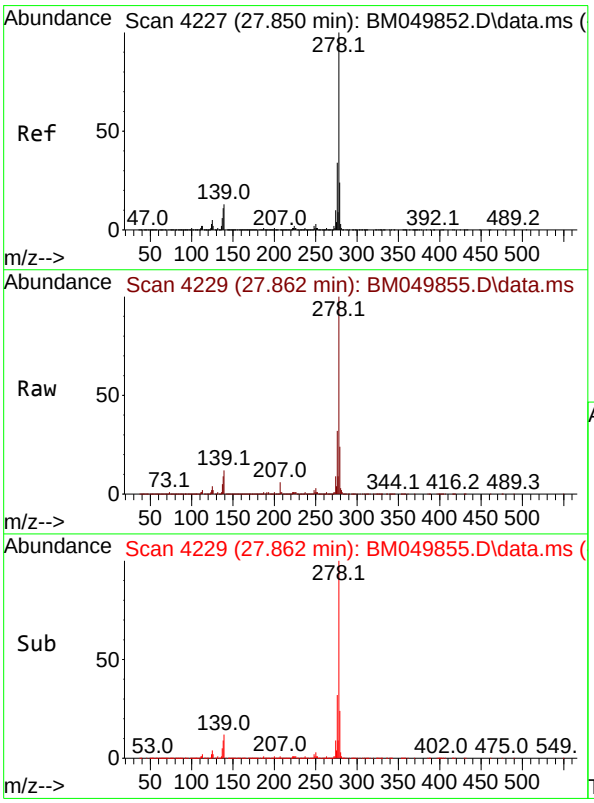
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	7.6	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

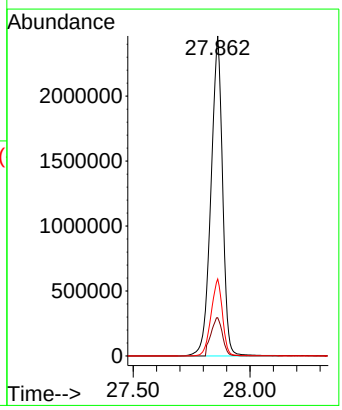
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

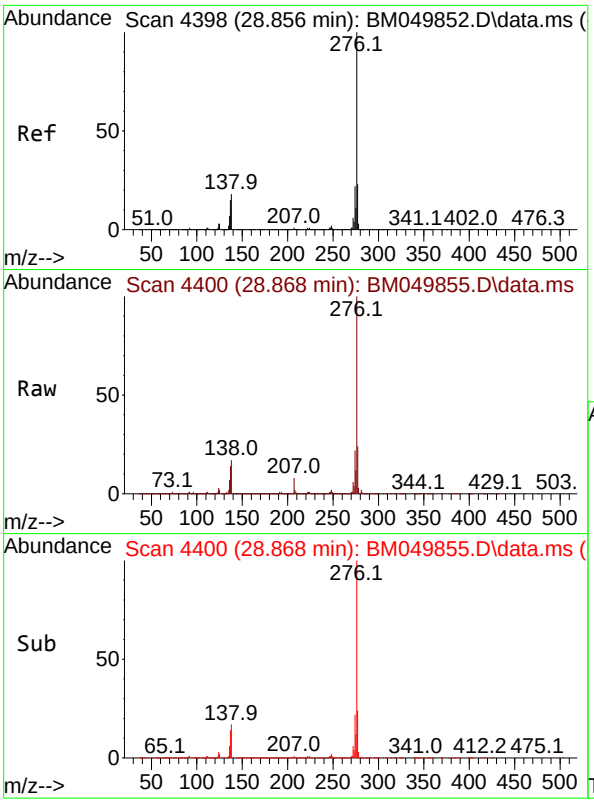


#91
Dibenzo(a,h)anthracene
Concen: 86.721 ng
RT: 27.862 min Scan# 4229
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:278 Resp: 8515147

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.6	15.8
279	24.1	19.1	28.7

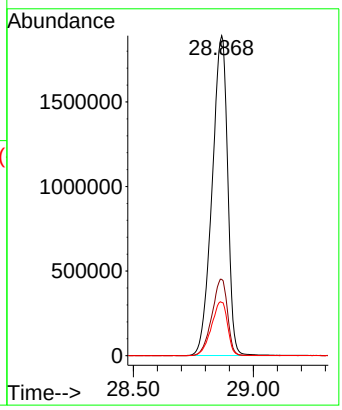




#92
Benzo(g,h,i)perylene
Concen: 84.674 ng
RT: 28.868 min Scan# 44
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:276 Resp: 849595

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	16.6	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	315403	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1065845	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	683720	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1374499	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1374864	20.000	ng	0.00
86) Perylene-d12	24.397	264	1454417	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1477323	79.537	ng	0.00
7) Phenol-d6	6.951	99	1843667	79.779	ng	0.00
23) Nitrobenzene-d5	8.934	82	1580621	82.580	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	830905	83.550	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4148227	82.271	ng	0.00
79) Terphenyl-d14	19.792	244	6672291	90.949	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	298756	39.056	ng	100
3) Pyridine	3.663	79	788453	39.231	ng	97
4) n-Nitrosodimethylamine	3.569	42	302128	39.502	ng	100
6) Aniline	7.104	93	824180	41.621	ng	99
8) 2-Chlorophenol	7.345	128	758833	39.865	ng	99
9) Benzaldehyde	6.916	77	479003	40.391	ng	97
10) Phenol	6.975	94	895478	39.708	ng	99
11) bis(2-Chloroethyl)ether	7.198	93	705217	39.877	ng	98
12) 1,3-Dichlorobenzene	7.669	146	897350	39.874	ng	98
13) 1,4-Dichlorobenzene	7.810	146	898553	39.681	ng	98
14) 1,2-Dichlorobenzene	8.128	146	855104	40.092	ng	99
15) Benzyl Alcohol	8.016	79	585871	40.260	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	787669	39.960	ng	99
17) 2-Methylphenol	8.222	107	557174	40.092	ng	99
18) Hexachloroethane	8.857	117	312580	39.677	ng	98
19) n-Nitroso-di-n-propyla...	8.586	70	525287	41.040	ng	99
20) 3+4-Methylphenols	8.551	107	760368	40.132	ng	98
22) Acetophenone	8.598	105	1065111	41.119	ng	99
24) Nitrobenzene	8.975	77	750719	40.732	ng	99
25) Isophorone	9.504	82	1319919	41.165	ng	99
26) 2-Nitrophenol	9.686	139	405206	41.481	ng	98
27) 2,4-Dimethylphenol	9.751	122	454139	41.022	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	877287	40.868	ng	99
29) 2,4-Dichlorophenol	10.222	162	759071	41.249	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	860242	40.409	ng	99
31) Naphthalene	10.622	128	2222571	40.582	ng	99
32) Benzoic acid	9.886	122	548954	41.427	ng	97
33) 4-Chloroaniline	10.728	127	815667	42.177	ng	98
34) Hexachlorobutadiene	10.916	225	535791	40.688	ng	98
35) Caprolactam	11.510	113	219136	41.519	ng	96
36) 4-Chloro-3-methylphenol	11.863	107	670620	41.604	ng	99
37) 2-Methylnaphthalene	12.239	142	1589046	41.181	ng	99
38) 1-Methylnaphthalene	12.457	142	1536235	40.865	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	974104	40.724	ng	99
41) Hexachlorocyclopentadiene	12.592	237	348434	41.571	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	629554	41.361	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	684953	41.410	ng	99
46) 1,1'-Biphenyl	13.251	154	2088758	41.097	ng	100
47) 2-Chloronaphthalene	13.292	162	1626662	40.719	ng	98
48) 2-Nitroaniline	13.492	65	386594	41.831	ng	96
49) Acenaphthylene	14.139	152	2404483	41.321	ng	100
50) Dimethylphthalate	13.880	163	2006252	41.593	ng	99
51) 2,6-Dinitrotoluene	13.992	165	430765	42.625	ng	99
52) Acenaphthene	14.486	154	1537342	41.534	ng	99
53) 3-Nitroaniline	14.321	138	430166	44.041	ng	96
54) 2,4-Dinitrophenol	14.527	184	261179	39.689	ng	97
55) Dibenzofuran	14.821	168	2572884	41.581	ng	99
56) 4-Nitrophenol	14.639	139	380237	43.685	ng	97
57) 2,4-Dinitrotoluene	14.780	165	588187	43.627	ng	99
58) Fluorene	15.468	166	2052408	41.729	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	604398	41.690	ng	99
60) Diethylphthalate	15.245	149	1935360	41.839	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1107114	41.984	ng	99
62) 4-Nitroaniline	15.486	138	445025	44.058	ng	99
63) Azobenzene	15.757	77	1658136	41.869	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	355438	41.037	ng	97
66) n-Nitrosodiphenylamine	15.674	169	1689818	41.081	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	654585	41.024	ng	98
68) Hexachlorobenzene	16.474	284	746406	40.782	ng	98
69) Atrazine	16.627	200	351283	32.937	ng	100
70) Pentachlorophenol	16.815	266	547416	40.626	ng	99
71) Phenanthrene	17.204	178	3110670	41.280	ng	100
72) Anthracene	17.298	178	3081134	41.490	ng	100
73) Carbazole	17.562	167	2897408	41.424	ng	100
74) Di-n-butylphthalate	18.133	149	3282090	40.739	ng	100
75) Fluoranthene	19.221	202	3829085	41.327	ng	99
77) Benzidine	19.403	184	690660	37.866	ng	99
78) Pyrene	19.586	202	3930574	41.482	ng	100
80) Butylbenzylphthalate	20.486	149	1452887	40.807	ng	97
81) Benzo(a)anthracene	21.386	228	3774940	41.314	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1404639	40.707	ng	99
83) Chrysene	21.444	228	3564842	41.037	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2130265	41.067	ng	99
85) Di-n-octyl phthalate	22.444	149	3614929	39.835	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	4377775	40.380	ng	100
88) Benzo(b)fluoranthene	23.456	252	3807278	40.988	ng	100
89) Benzo(k)fluoranthene	23.515	252	3640395	40.442	ng	99
90) Benzo(a)pyrene	24.262	252	3296735	40.389	ng	98
91) Dibenzo(a,h)anthracene	27.844	278	3588859	40.189	ng	100
92) Benzo(g,h,i)perylene	28.844	276	3657794	40.085	ng	100

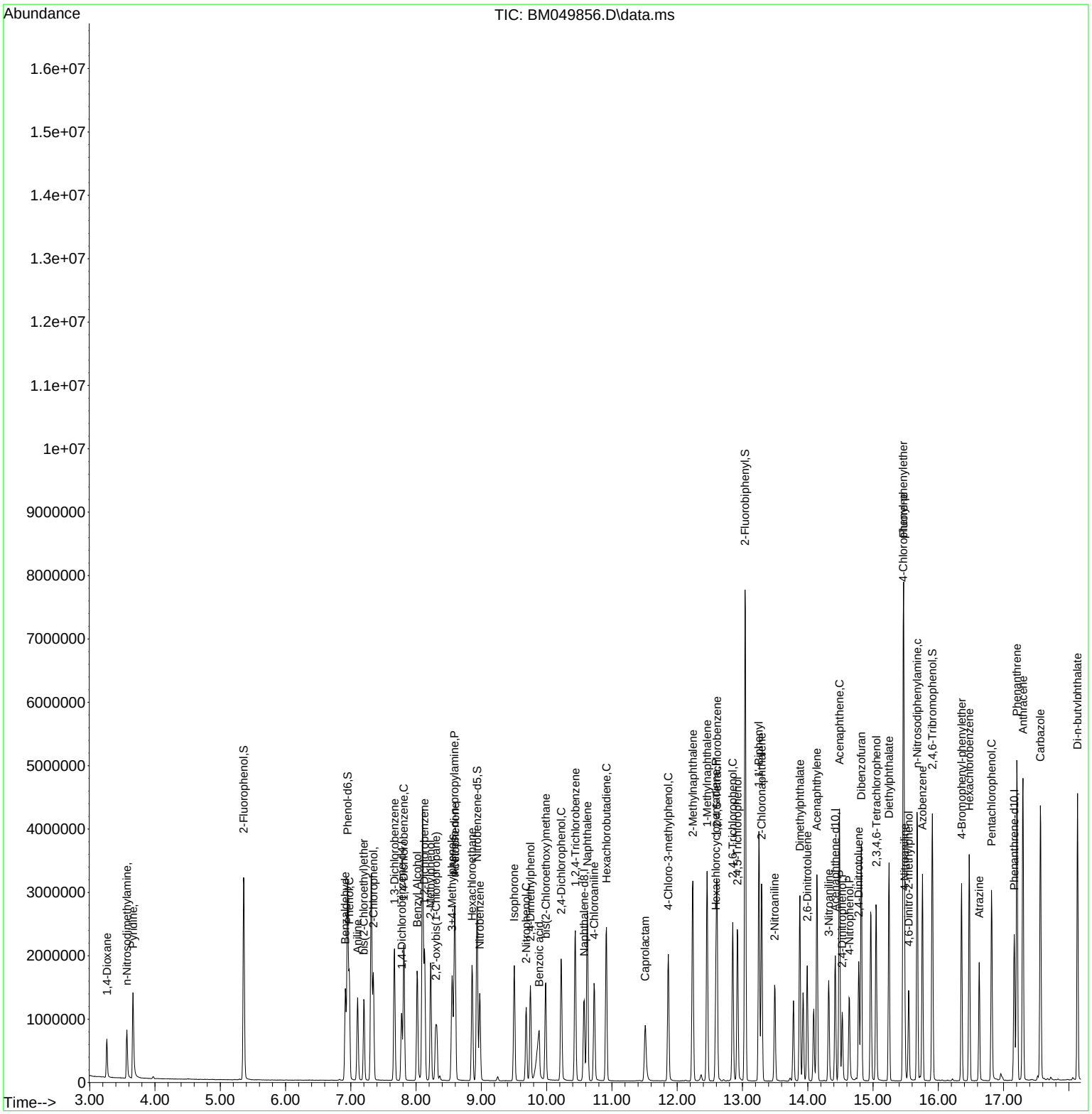
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

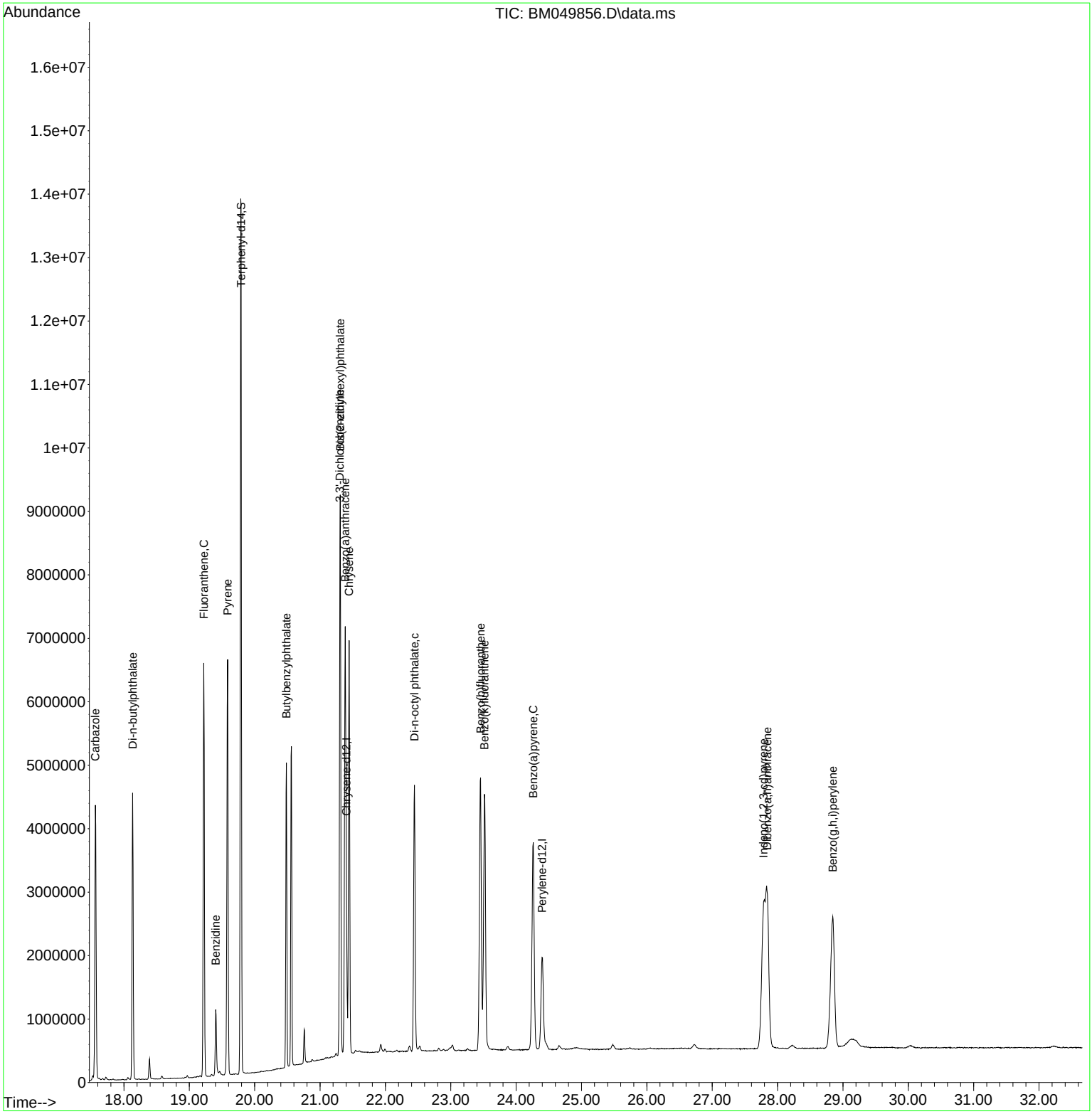


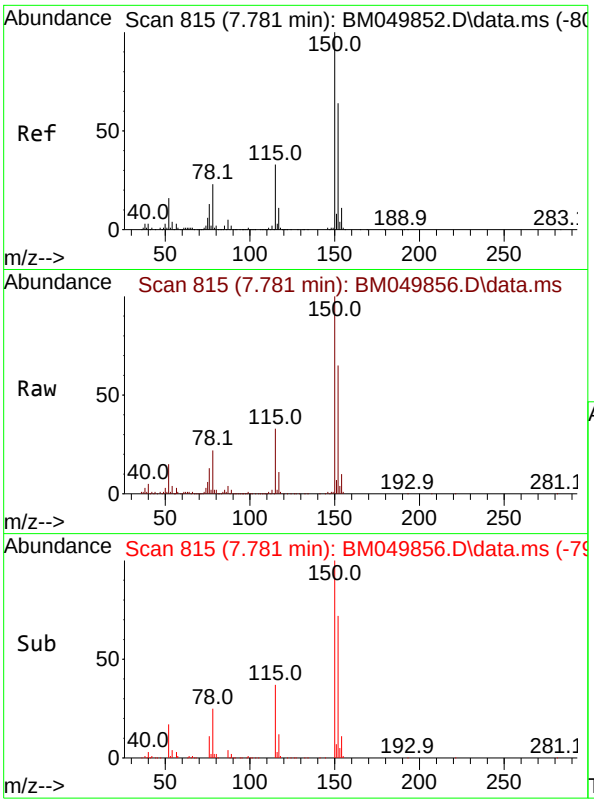
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



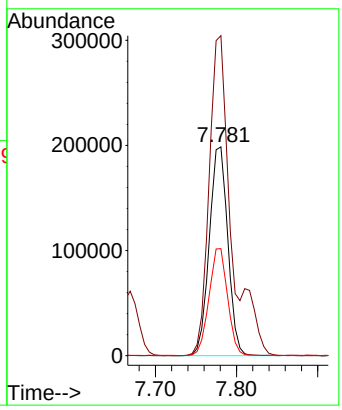


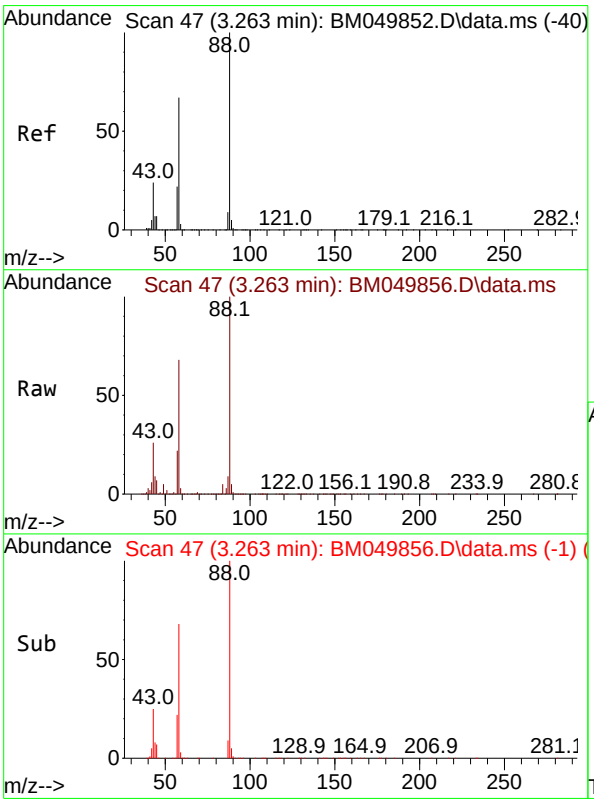
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:152 Resp: 315403

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	51.3	41.1	61.7

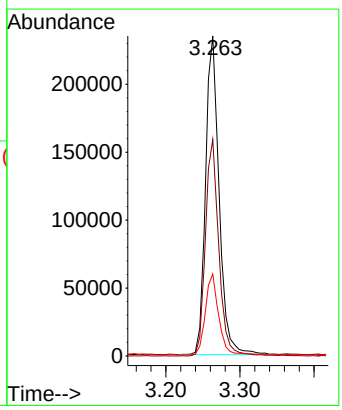


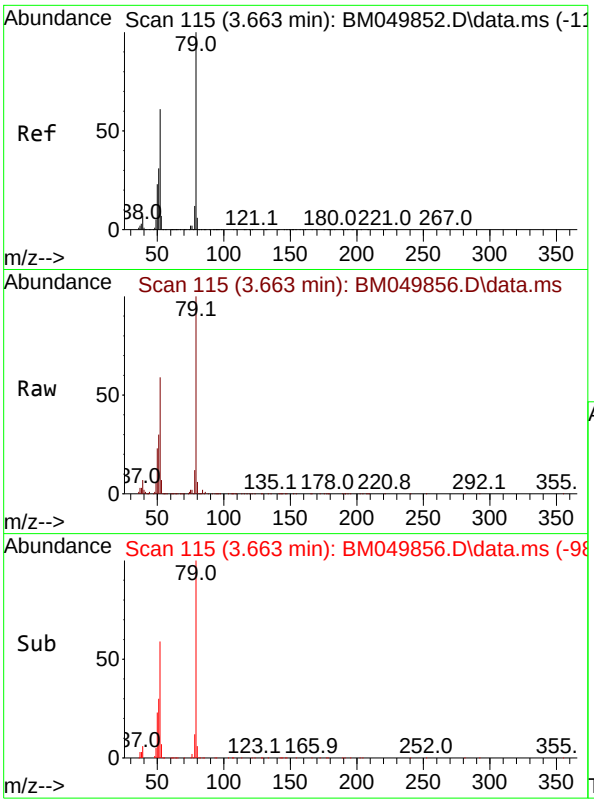


#2
1,4-Dioxane
Concen: 39.056 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 88 Resp: 298756

Ion	Ratio	Lower	Upper
88	100		
58	67.4	54.1	81.1
43	24.8	20.2	30.4



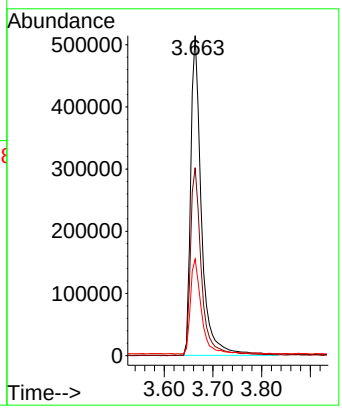


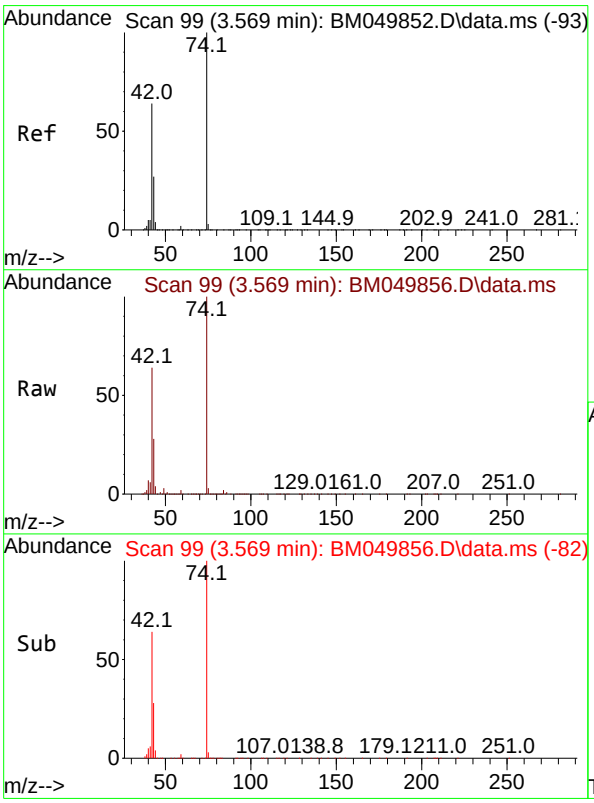
#3
Pyridine
Concen: 39.231 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 79 Resp: 788453

Ion	Ratio	Lower	Upper
79	100		
52	58.8	48.9	73.3
51	30.2	25.0	37.6

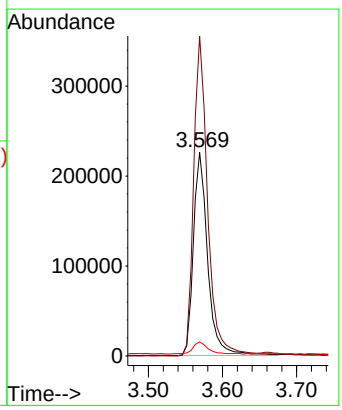


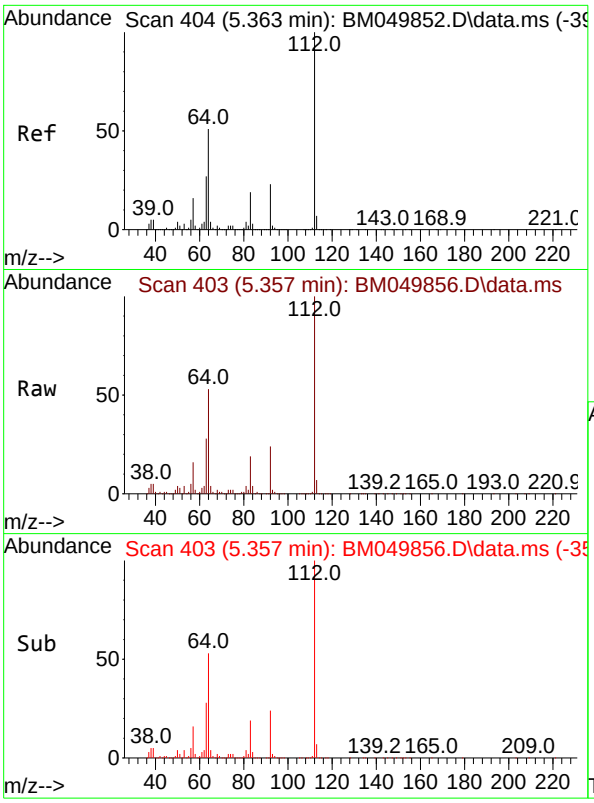


#4
n-Nitrosodimethylamine
Concen: 39.502 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 42 Resp: 302128

Ion	Ratio	Lower	Upper
42	100		
74	157.1	125.4	188.2
44	6.9	5.9	8.9



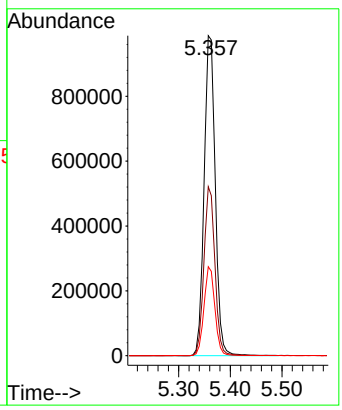


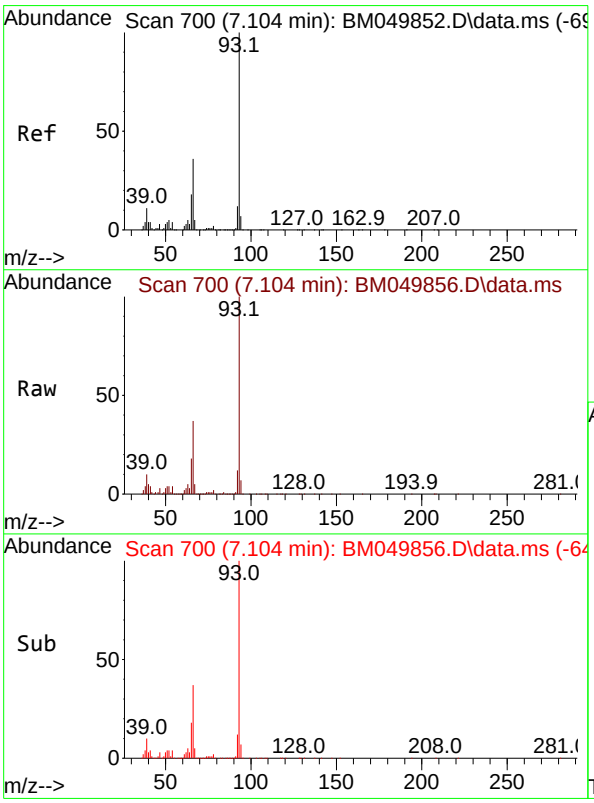
#5
2-Fluorophenol
Concen: 79.537 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:112 Resp: 1477323

Ion	Ratio	Lower	Upper
112	100		
64	52.8	41.0	61.6
63	27.8	21.5	32.3

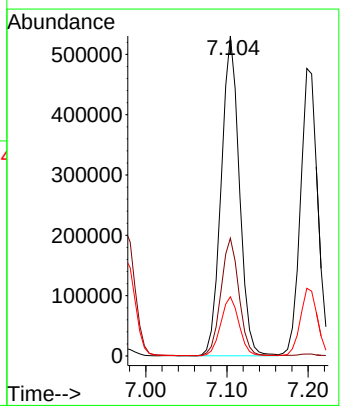


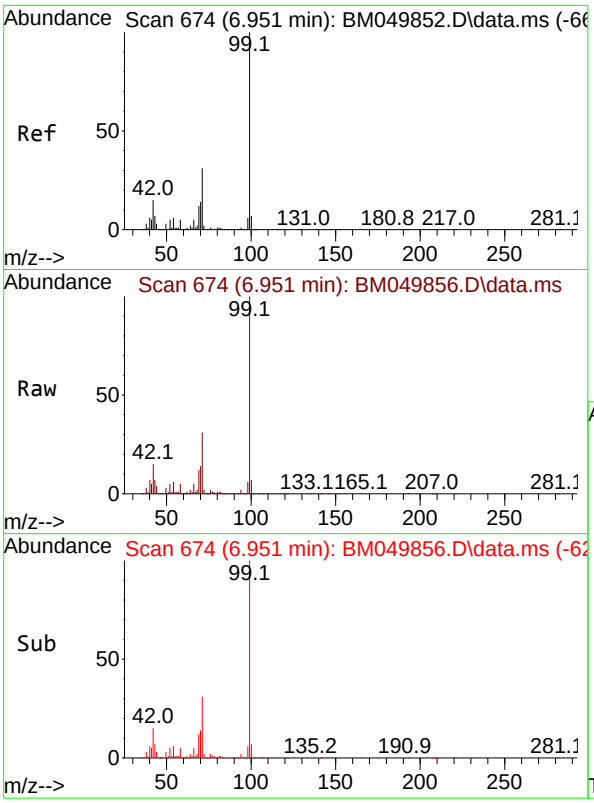


#6
Aniline
Concen: 41.621 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 93 Resp: 824180

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.5	14.9	22.3



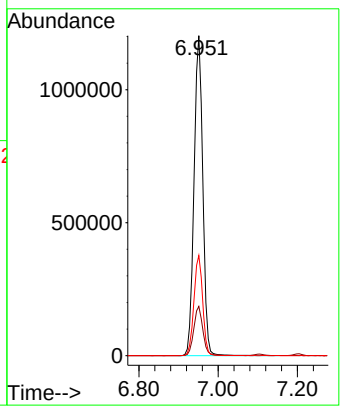


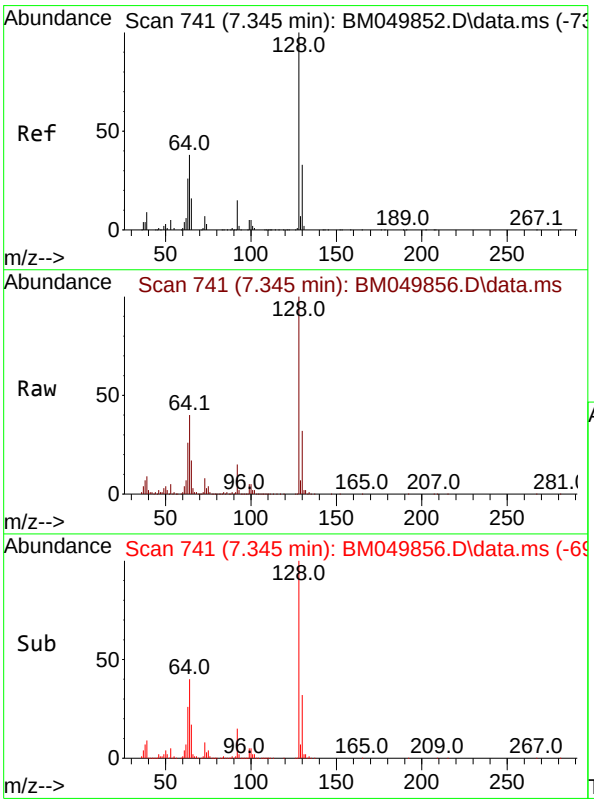
#7
Phenol-d6
Concen: 79.779 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 99 Resp: 1843667

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.1	18.1
71	31.3	24.9	37.3

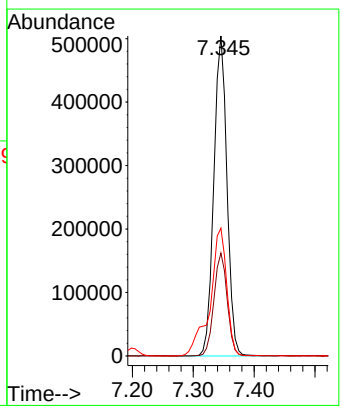


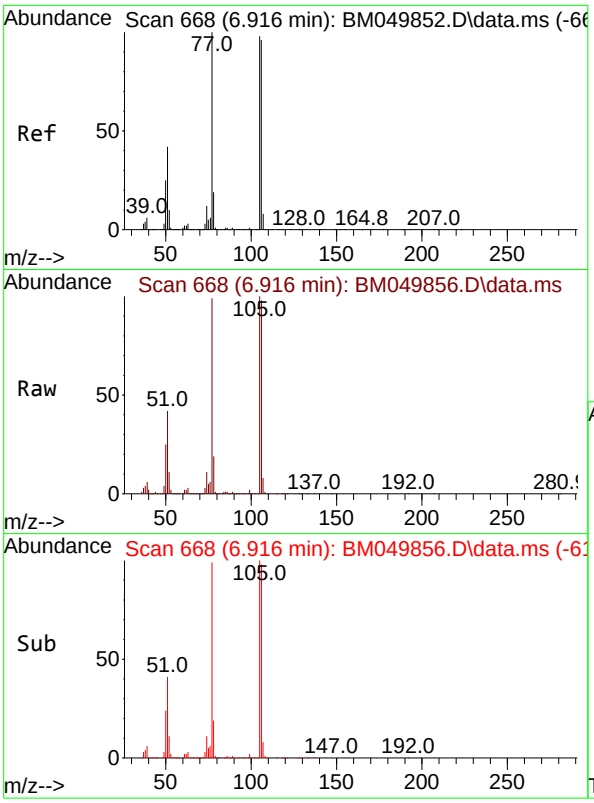


#8
2-Chlorophenol
Concen: 39.865 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:128 Resp: 758833

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	39.9	21.1	61.1



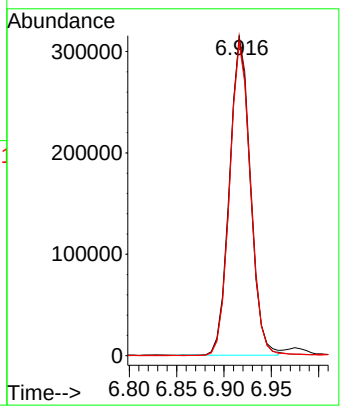


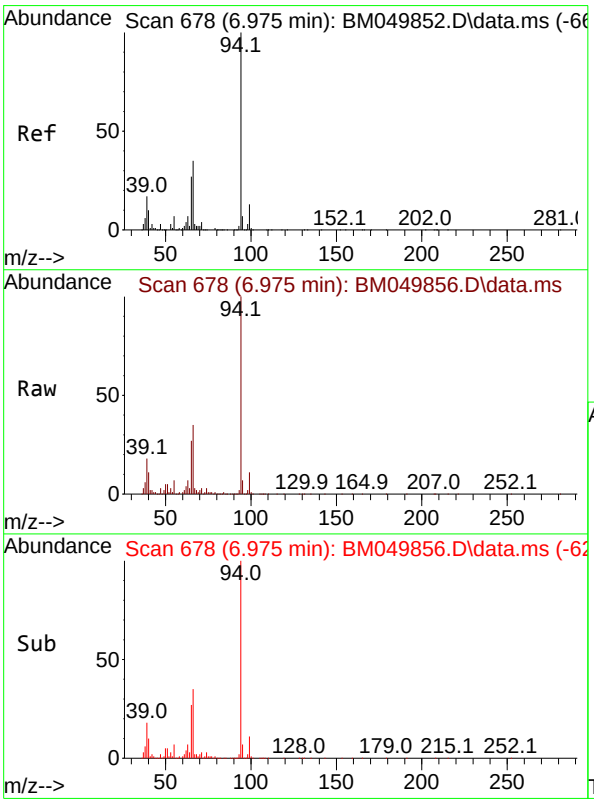
#9
Benzaldehyde
Concen: 40.391 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 77 Resp: 479003

Ion	Ratio	Lower	Upper
77	100		
105	101.0	78.3	118.3
106	98.9	76.0	116.0

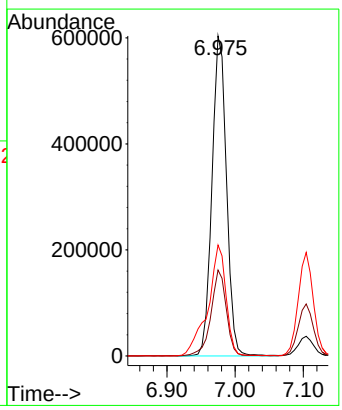


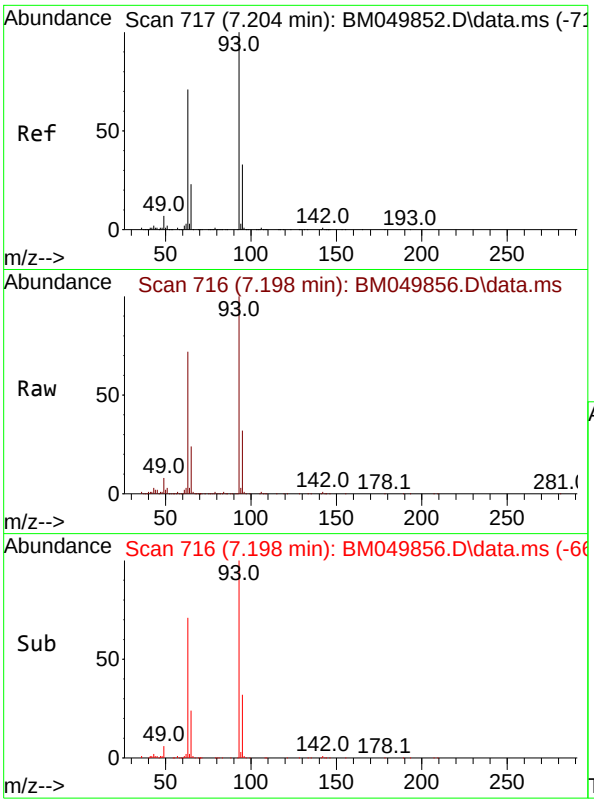


#10
Phenol
Concen: 39.708 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 94 Resp: 895478

Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.3	47.3
66	34.6	14.8	54.8



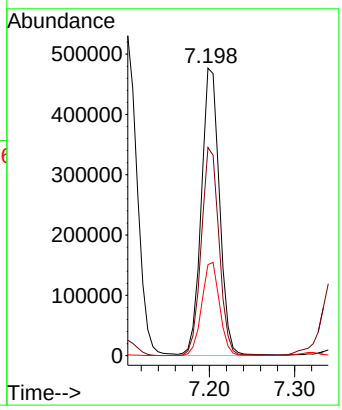


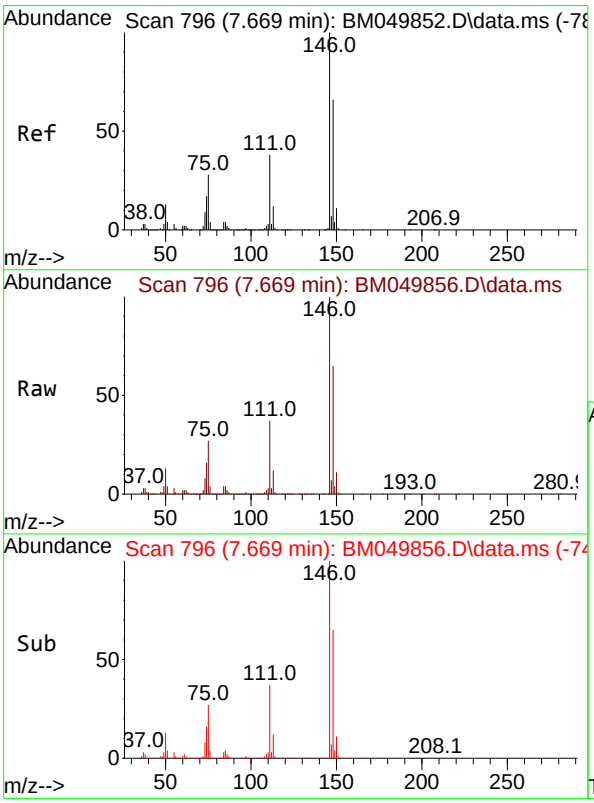
#11
bis(2-Chloroethyl)ether
Concen: 39.877 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 93 Resp: 705217

Ion	Ratio	Lower	Upper
93	100		
63	72.4	50.9	90.9
95	31.6	12.6	52.6

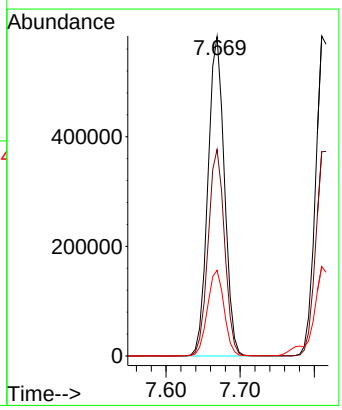


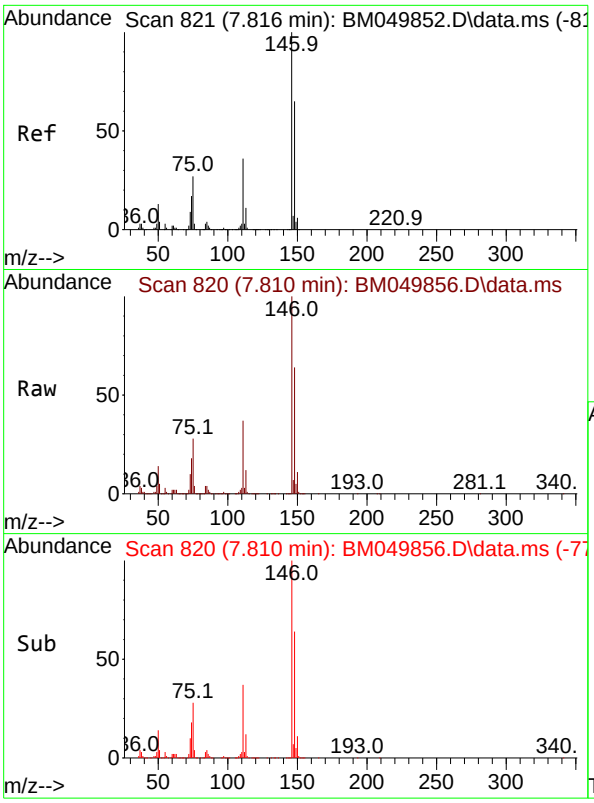


#12
1,3-Dichlorobenzene
Concen: 39.874 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:146 Resp: 897350

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	26.8	22.5	33.7



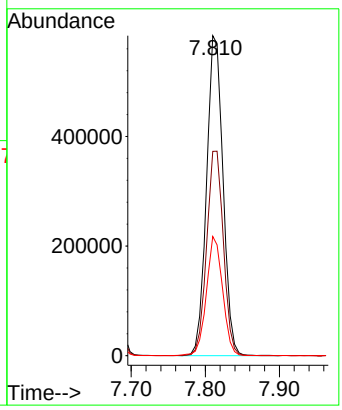


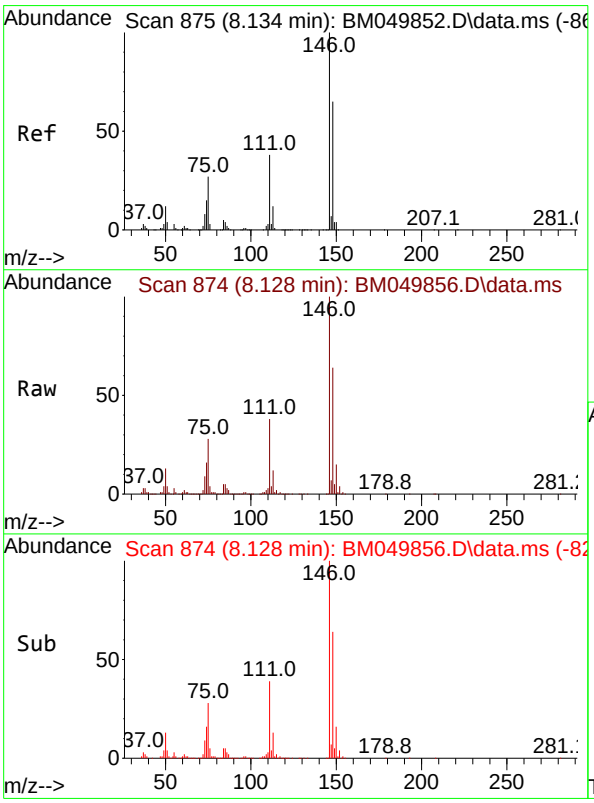
#13
1,4-Dichlorobenzene
Concen: 39.681 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:146 Resp: 898553

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.4	78.6
111	37.3	28.5	42.7

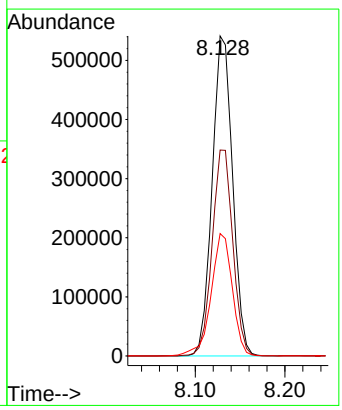


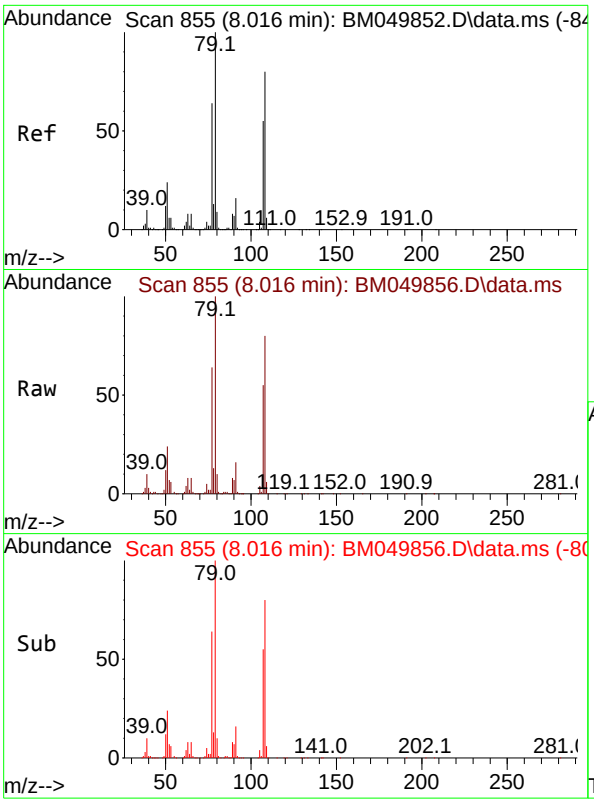


#14
1,2-Dichlorobenzene
Concen: 40.092 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:146 Resp: 855104

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
111	38.2	30.2	45.4



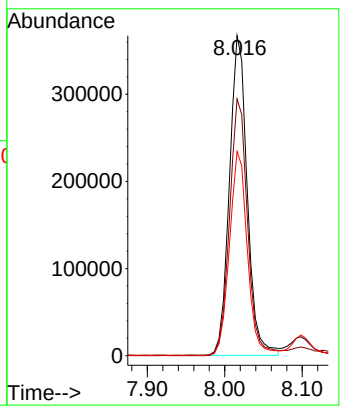


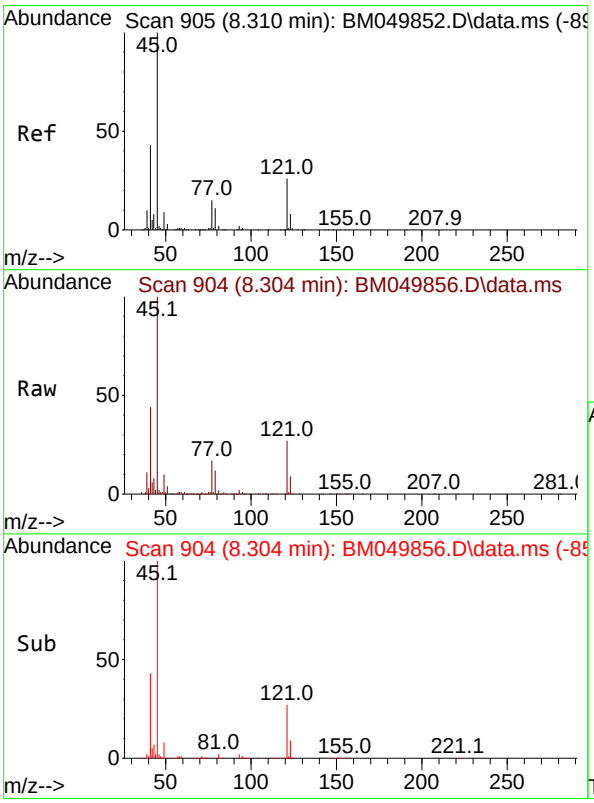
#15
Benzyl Alcohol
Concen: 40.260 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 79 Resp: 585871

Ion	Ratio	Lower	Upper
79	100		
108	80.2	63.6	95.4
77	63.8	51.3	76.9

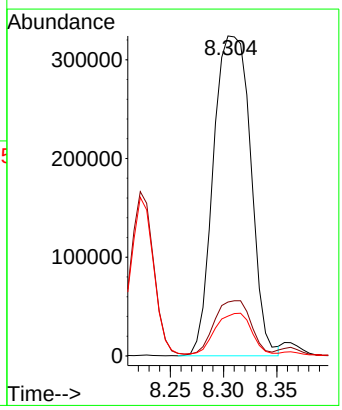


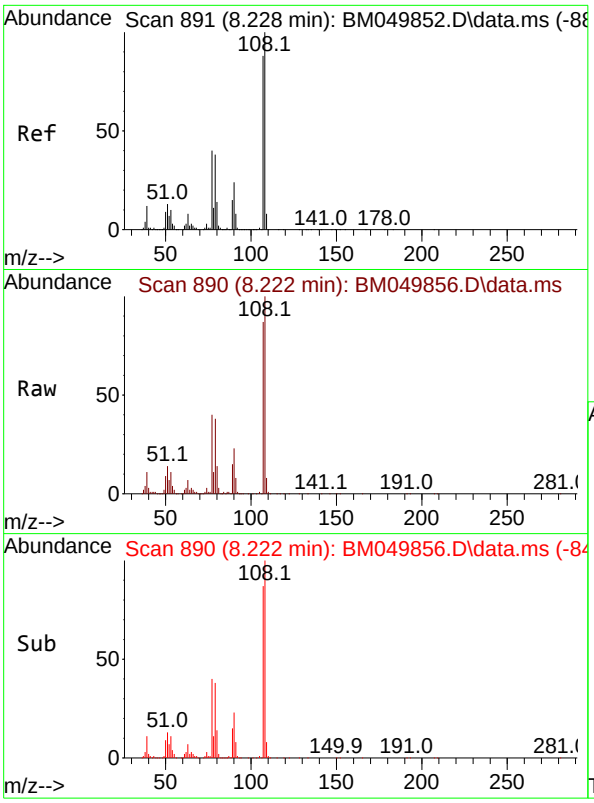


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.960 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 45 Resp: 787669

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	12.5	0.0	32.9



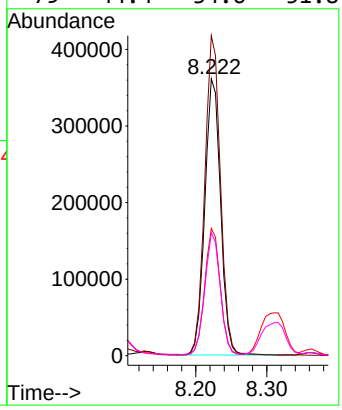


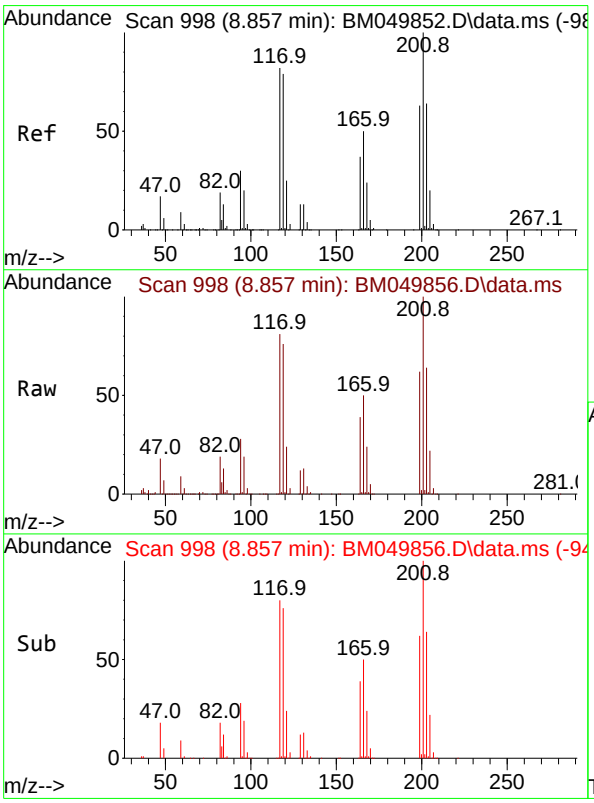
#17
2-Methylphenol
Concen: 40.092 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:107 Resp: 557174

Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.0	136.6
77	46.0	36.5	54.7
79	44.4	34.6	51.8

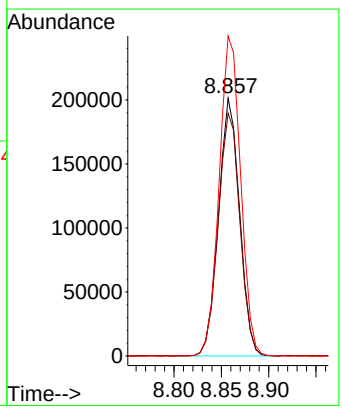


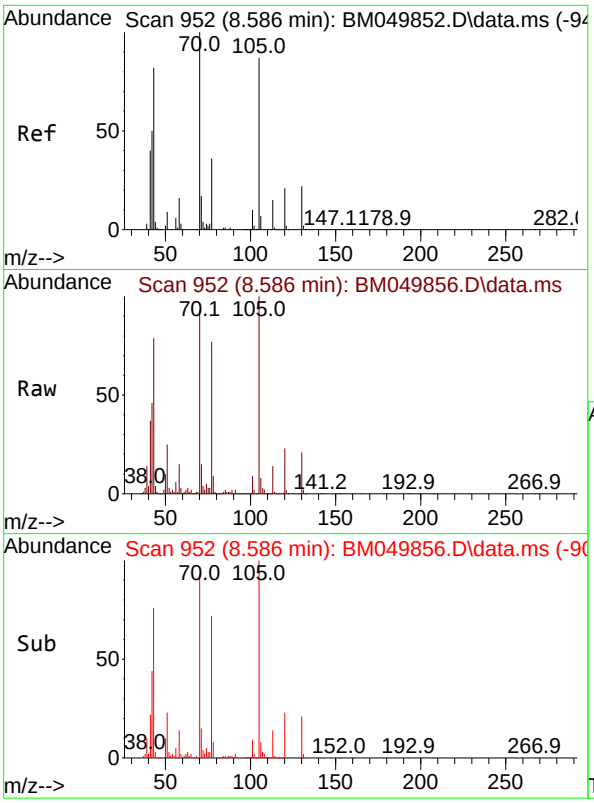


#18
Hexachloroethane
Concen: 39.677 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:117 Resp: 312580

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.5	116.3
201	124.2	97.7	146.5



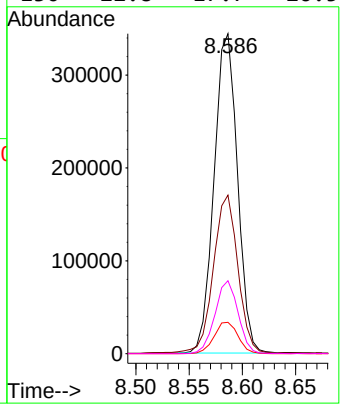


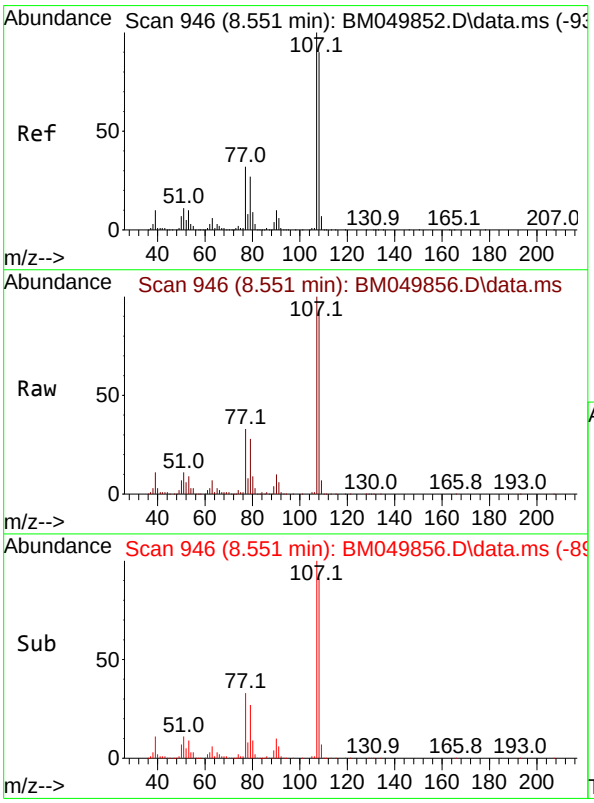
#19
n-Nitroso-di-n-propylamine
Concen: 41.040 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 70 Resp: 525287

Ion	Ratio	Lower	Upper
70	100		
42	49.6	40.2	60.2
101	9.8	7.9	11.9
130	22.8	17.7	26.5

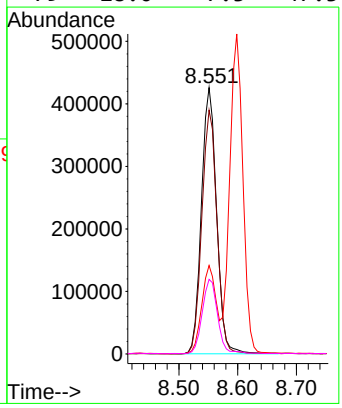


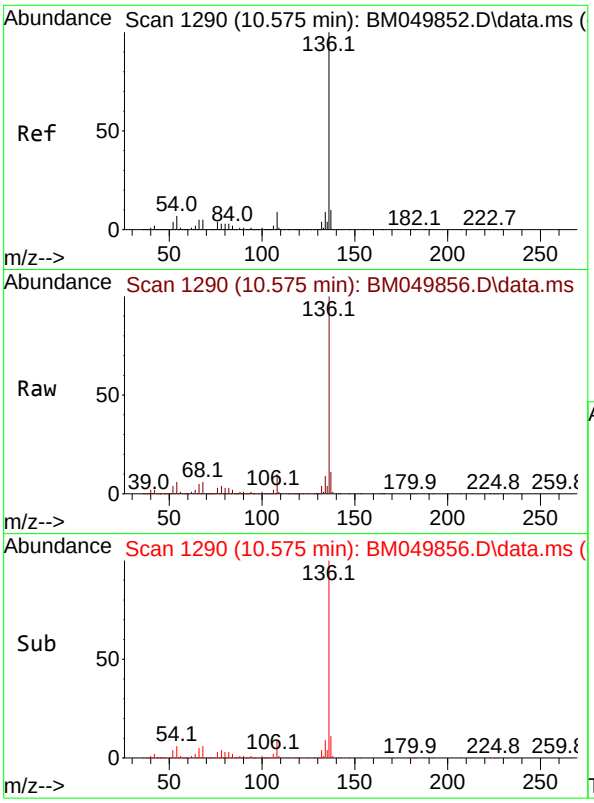


#20
3+4-Methylphenols
Concen: 40.132 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:107 Resp: 760368

Ion	Ratio	Lower	Upper
107	100		
108	91.5	69.6	109.6
77	33.2	11.7	51.7
79	28.0	7.3	47.3



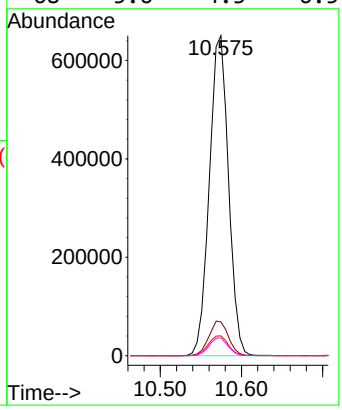


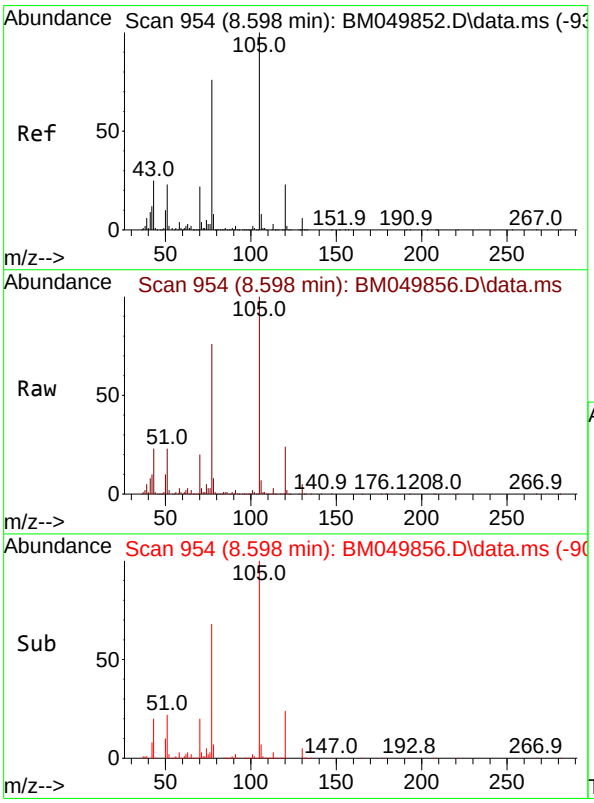
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:136 Resp: 1065845

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.2	5.3	7.9
68	5.6	4.3	6.5

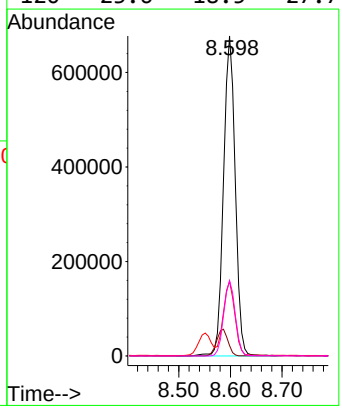


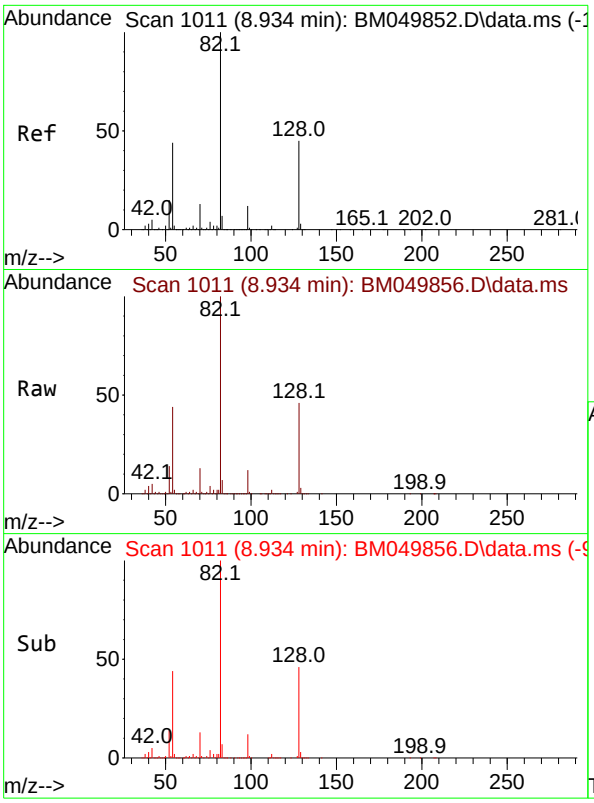


#22
Acetophenone
Concen: 41.119 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:105 Resp: 1065111

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.0	4.4
51	23.4	18.6	27.8
120	23.6	18.5	27.7



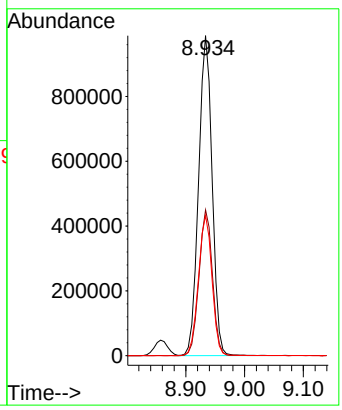


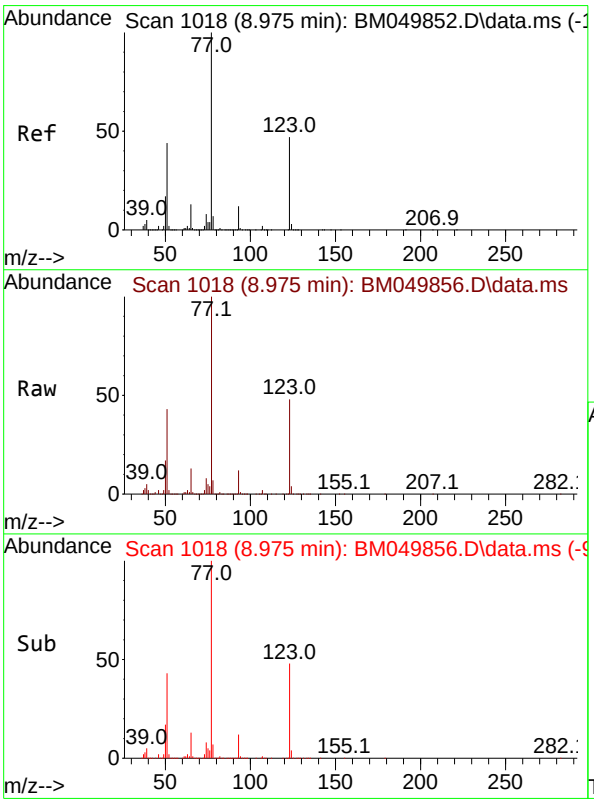
#23
Nitrobenzene-d5
Concen: 82.580 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 82 Resp: 1580621

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.2	54.2
54	43.8	35.0	52.6

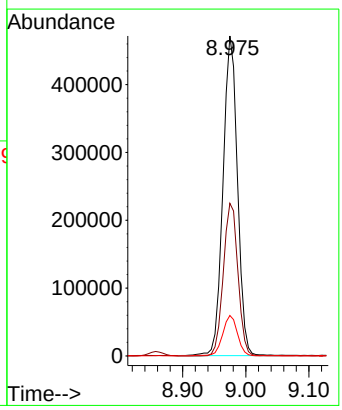


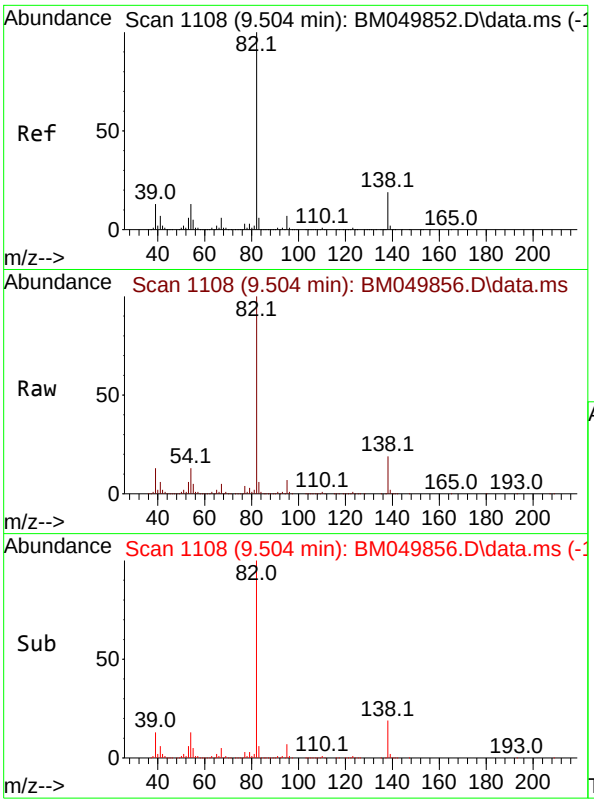


#24
Nitrobenzene
Concen: 40.732 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 77 Resp: 750719

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.7	10.1	15.1



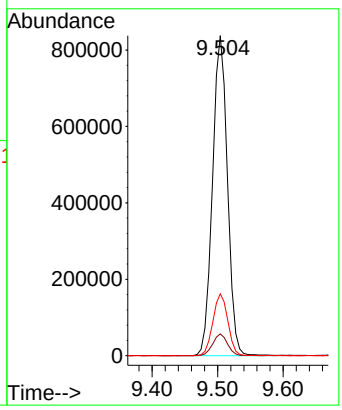


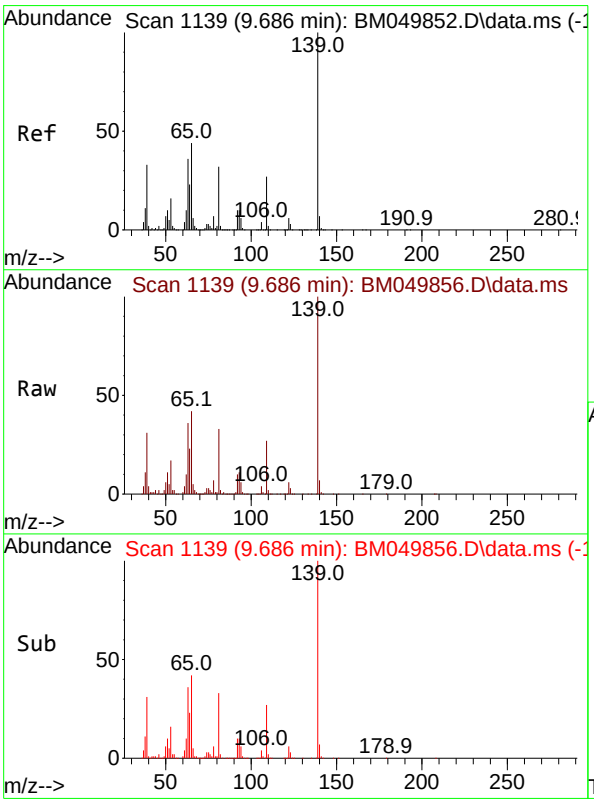
#25
Isophorone
Concen: 41.165 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 82 Resp: 1319919

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.3	15.0	22.6

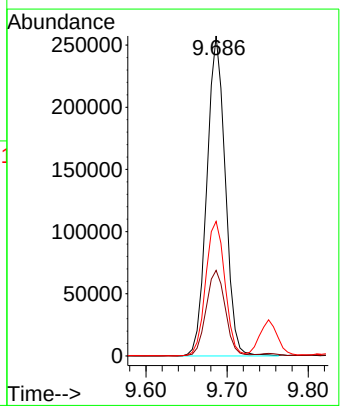


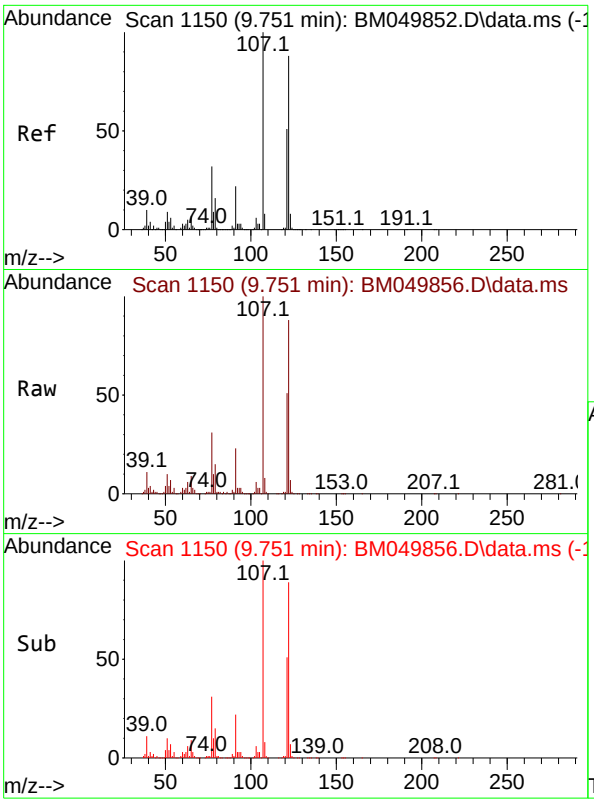


#26
2-Nitrophenol
Concen: 41.481 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:139 Resp: 405206

Ion	Ratio	Lower	Upper
139	100		
109	26.7	21.7	32.5
65	42.0	35.2	52.8



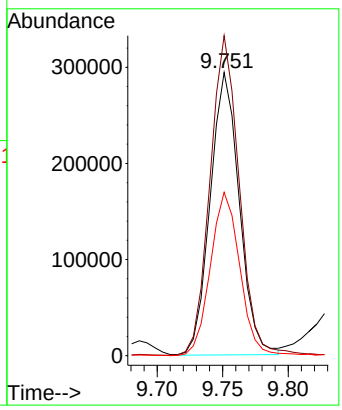


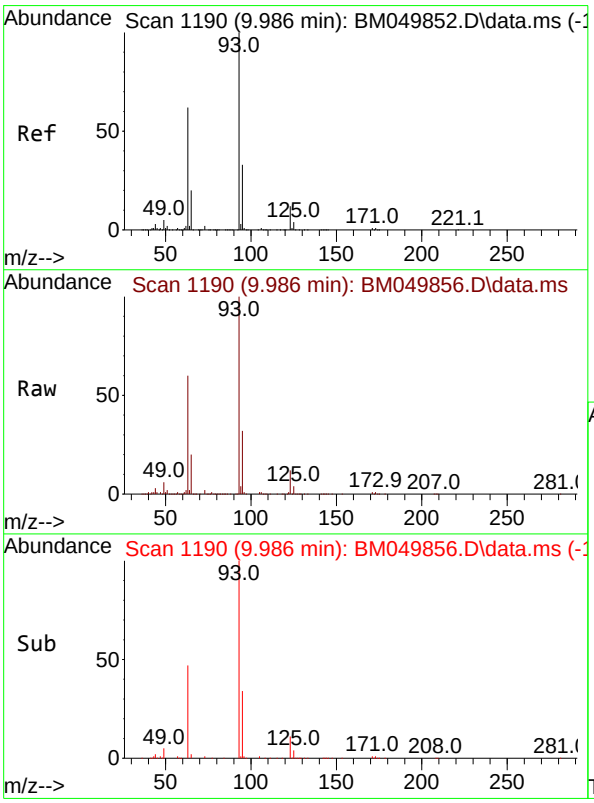
#27
2,4-Dimethylphenol
Concen: 41.022 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:122 Resp: 454139

Ion	Ratio	Lower	Upper
122	100		
107	113.0	90.3	135.5
121	57.7	46.1	69.1

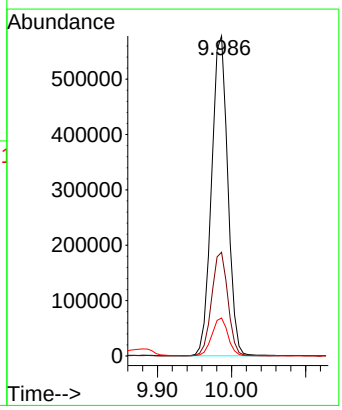


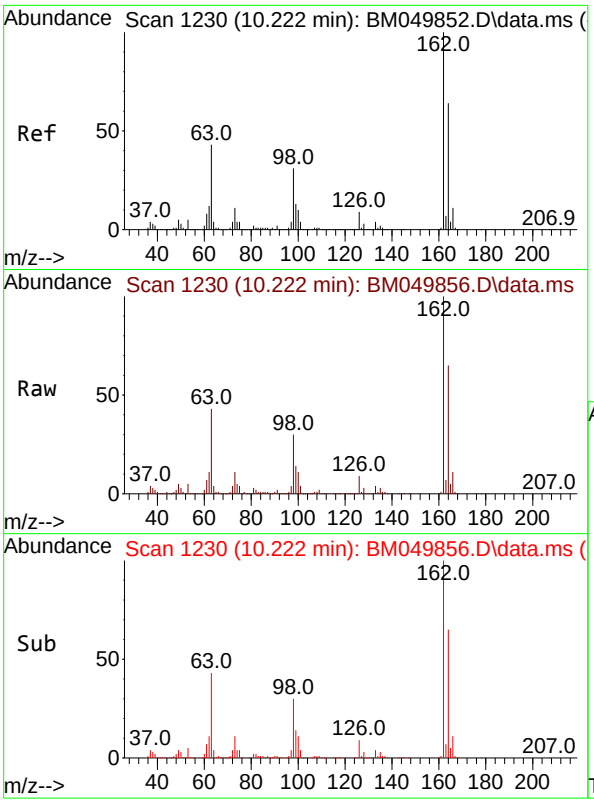


#28
bis(2-Chloroethoxy)methane
Concen: 40.868 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 93 Resp: 877287

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.9	9.5	14.3



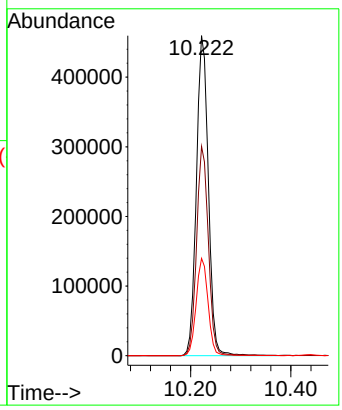


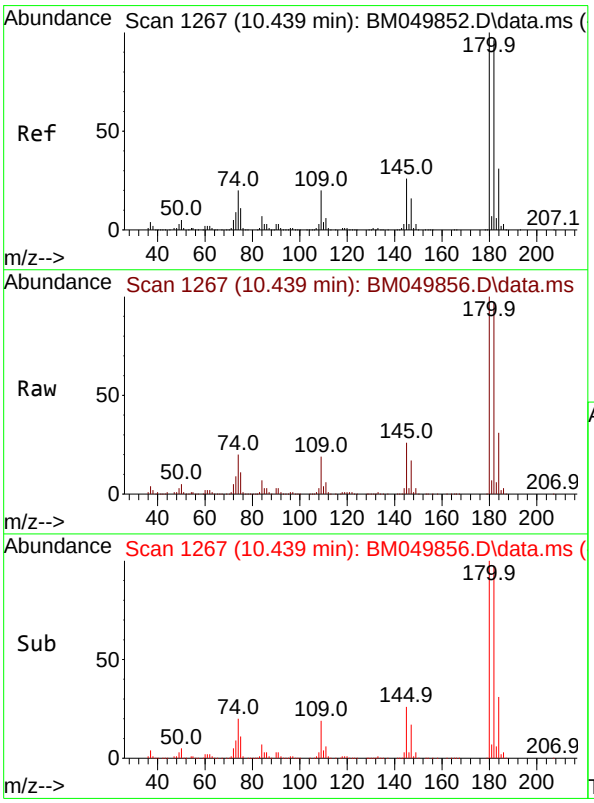
#29
2,4-Dichlorophenol
Concen: 41.249 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:162 Resp: 759071

Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.3	84.3
98	30.4	10.9	50.9

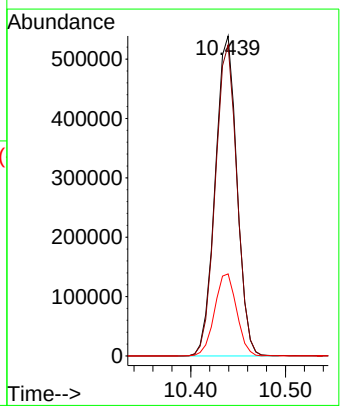


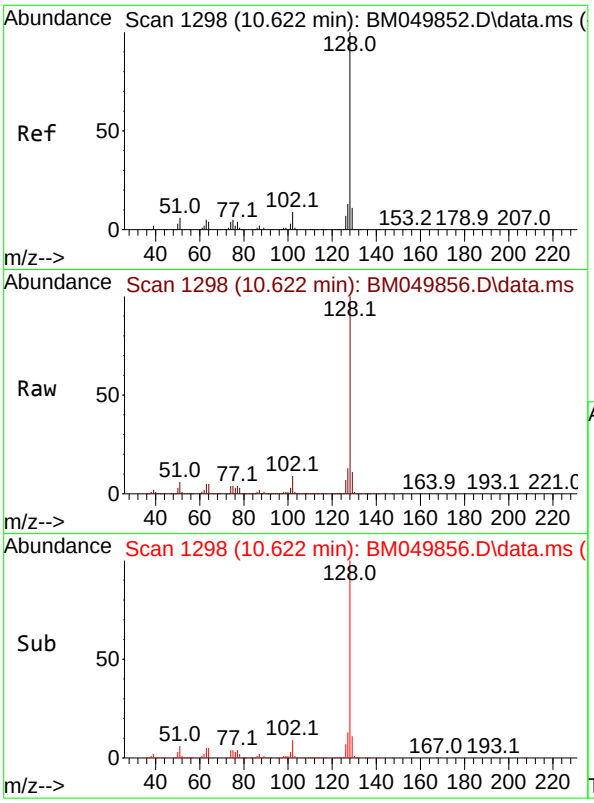


#30
1,2,4-Trichlorobenzene
Concen: 40.409 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:180 Resp: 860242

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.7	115.1
145	25.7	20.8	31.2



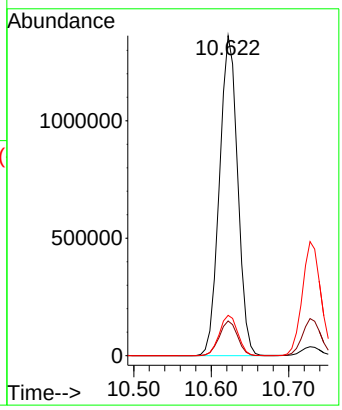


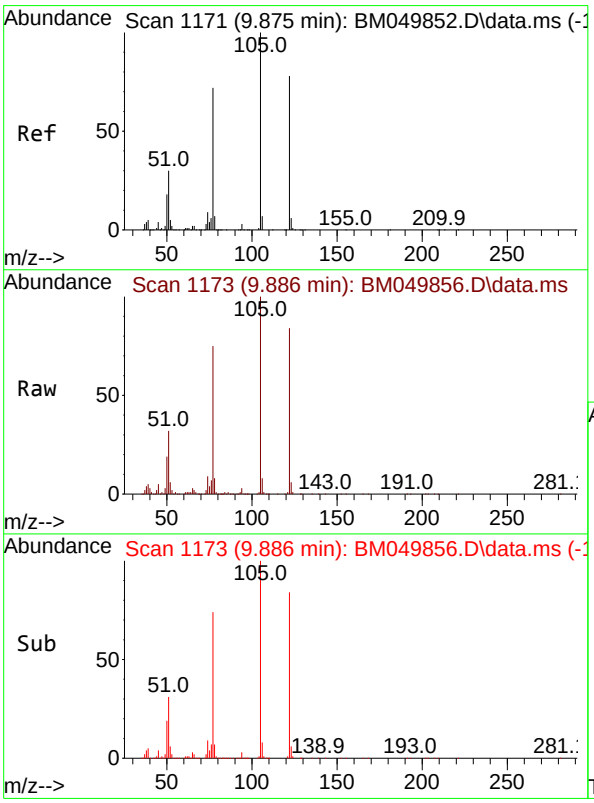
#31
Naphthalene
Concen: 40.582 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:128 Resp: 2222571

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.6	15.8

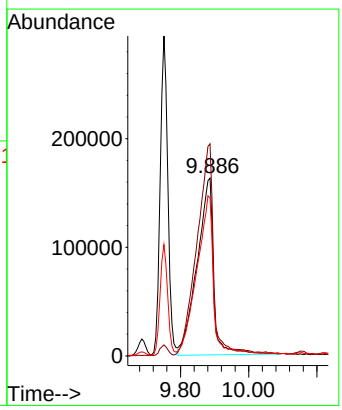


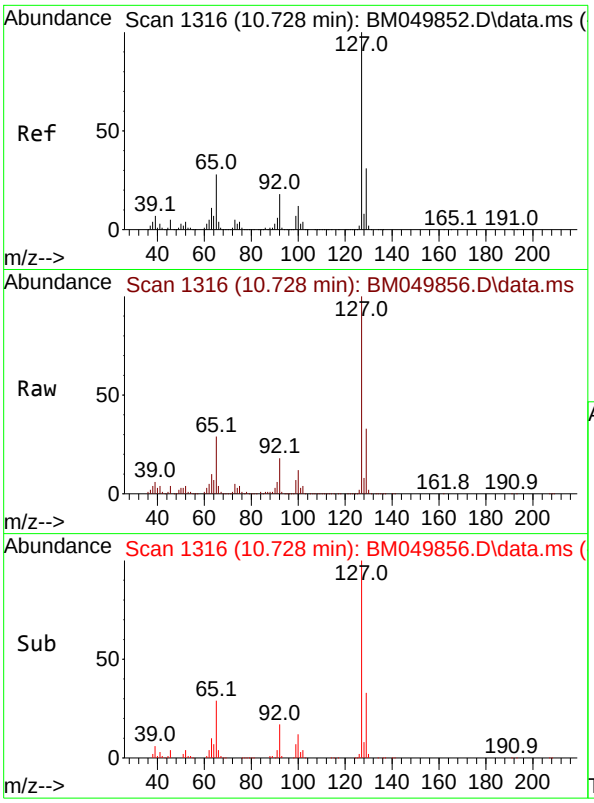


#32
Benzoic acid
Concen: 41.427 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:122 Resp: 548954

Ion	Ratio	Lower	Upper
122	100		
105	119.2	103.8	143.8
77	88.9	70.7	110.7



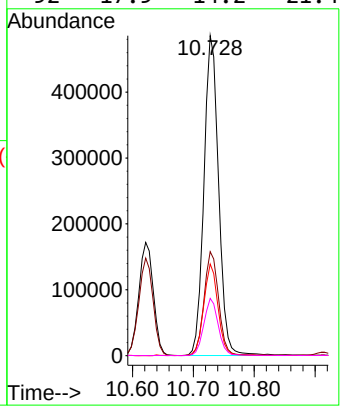


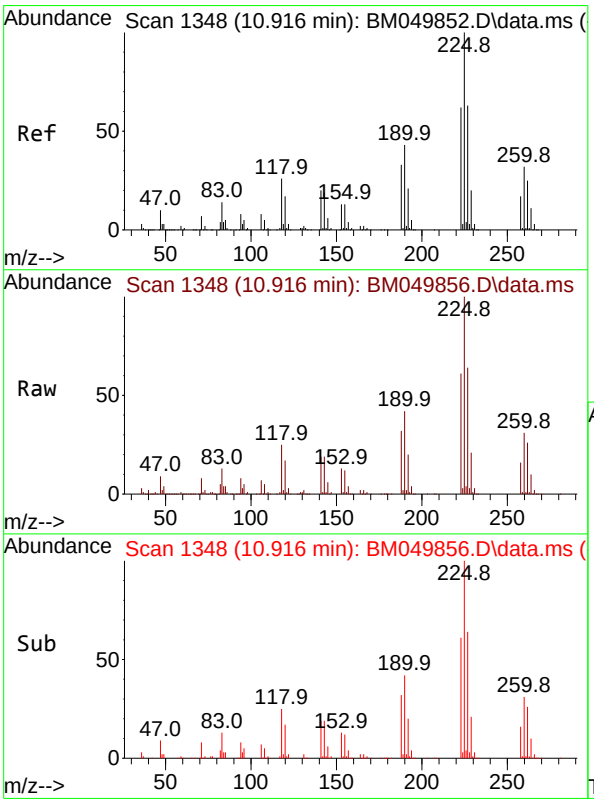
#33
4-Chloroaniline
Concen: 42.177 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:127 Resp: 815667

Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.9	37.3
65	28.7	22.4	33.6
92	17.9	14.2	21.4

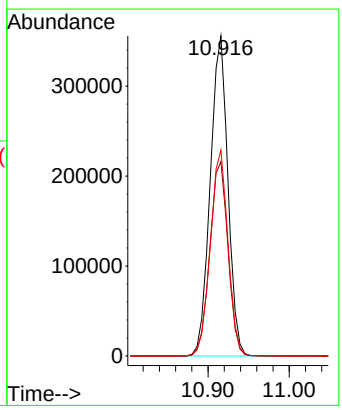


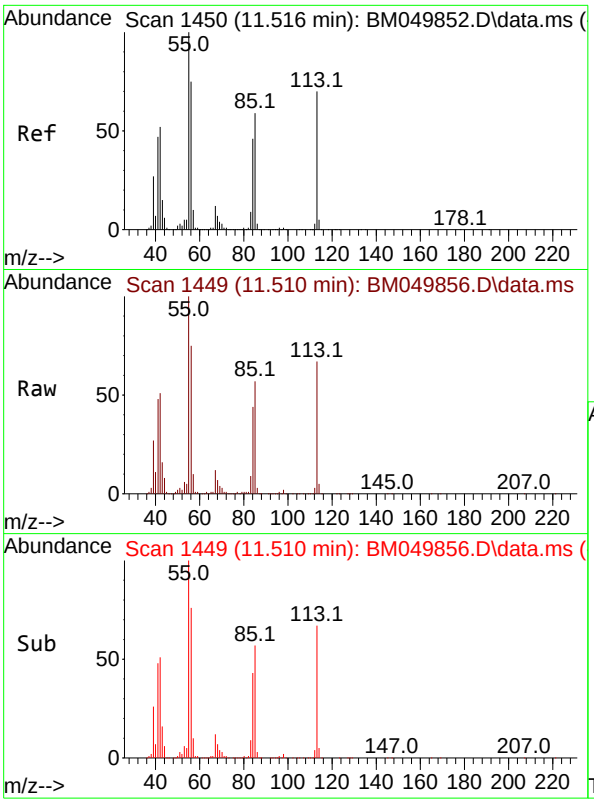


#34
Hexachlorobutadiene
Concen: 40.688 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:225 Resp: 535791

Ion	Ratio	Lower	Upper
225	100		
223	60.7	49.4	74.2
227	64.4	50.1	75.1



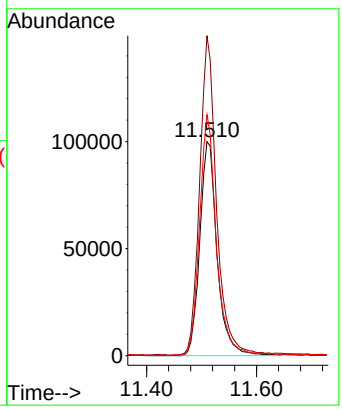


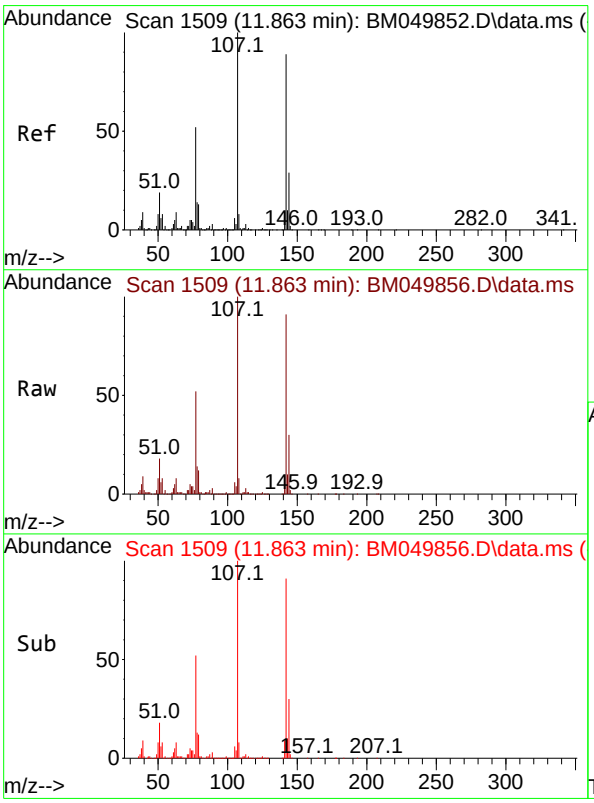
#35
Caprolactam
Concen: 41.519 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:113 Resp: 219136

Ion	Ratio	Lower	Upper
113	100		
55	149.5	124.3	164.3
56	112.6	87.5	127.5

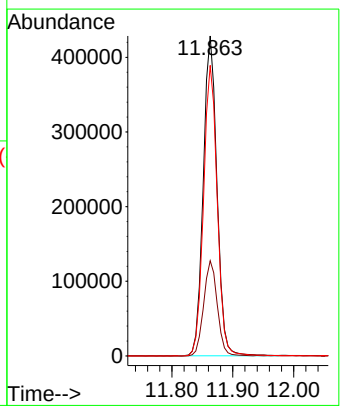


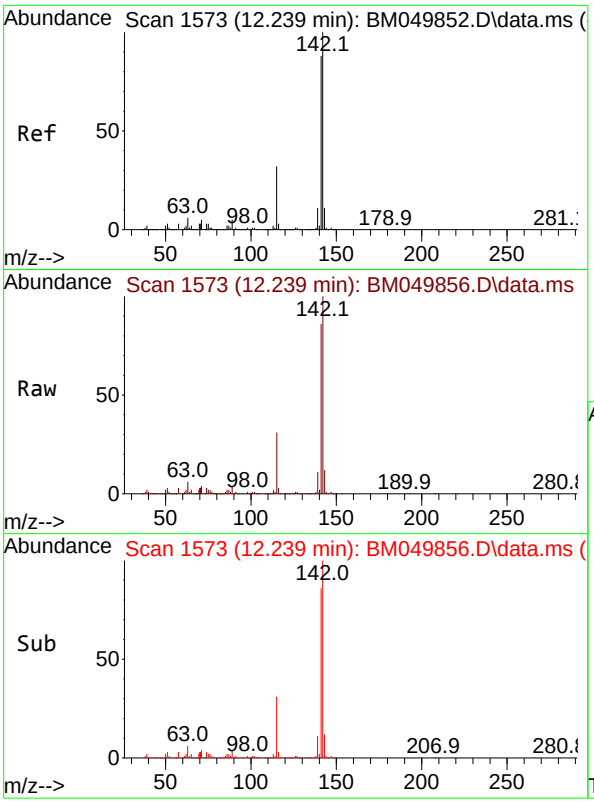


#36
4-Chloro-3-methylphenol
Concen: 41.604 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:107 Resp: 670620

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.6	35.4
142	90.8	71.4	107.0



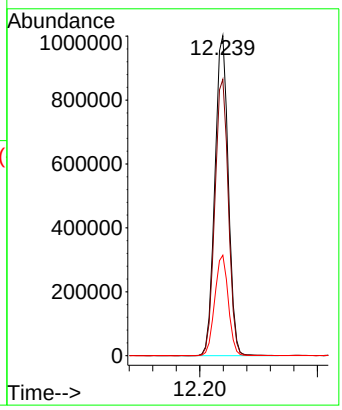


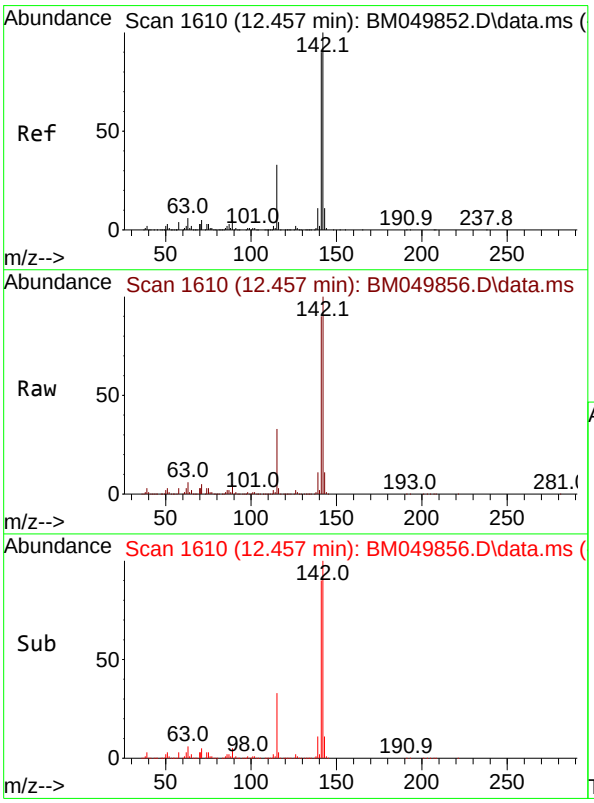
#37
2-Methylnaphthalene
Concen: 41.181 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:142 Resp: 1589046

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.2	105.2
115	31.4	25.4	38.2

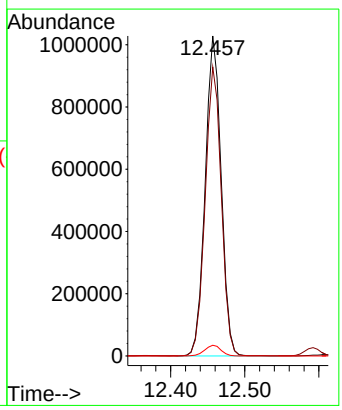


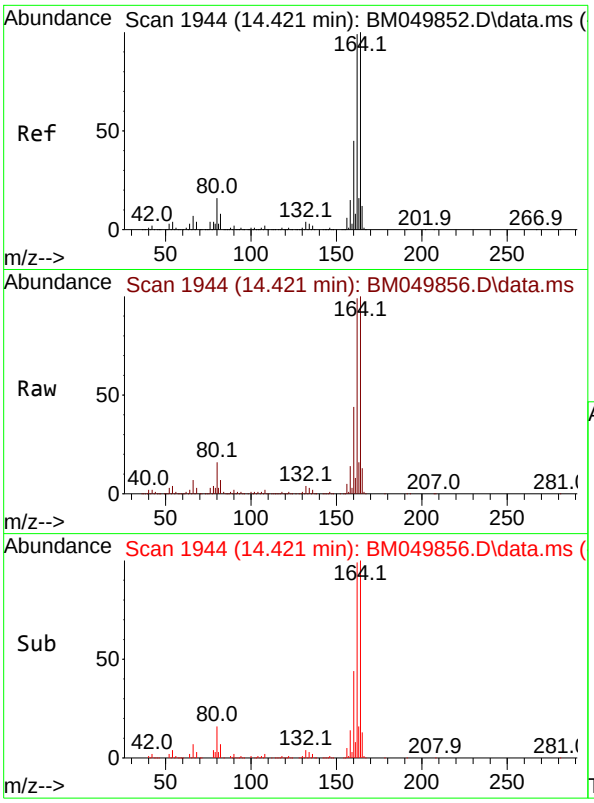


#38
1-Methylnaphthalene
Concen: 40.865 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:142 Resp: 1536235

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2
116	3.4	2.9	4.3



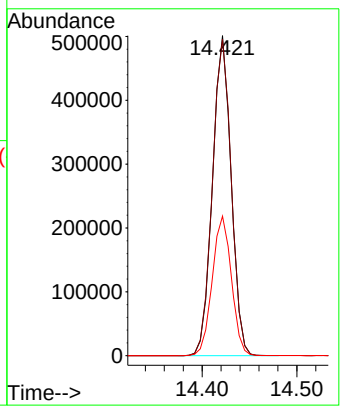


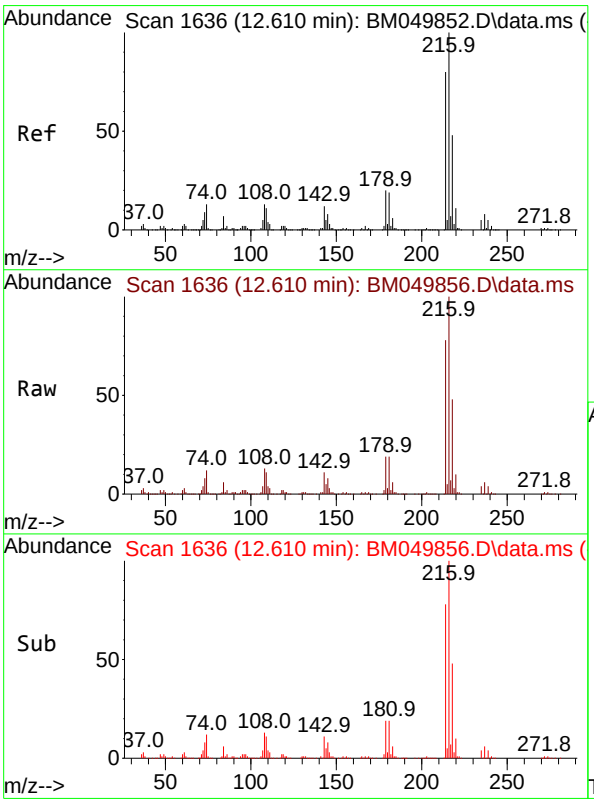
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:164 Resp: 683720

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.4	119.0
160	43.6	36.2	54.2

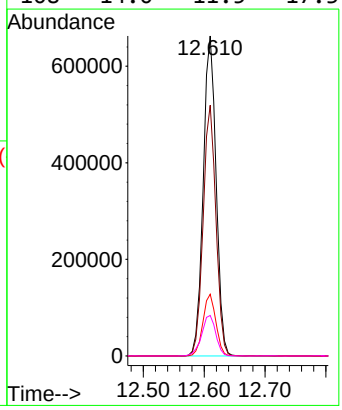


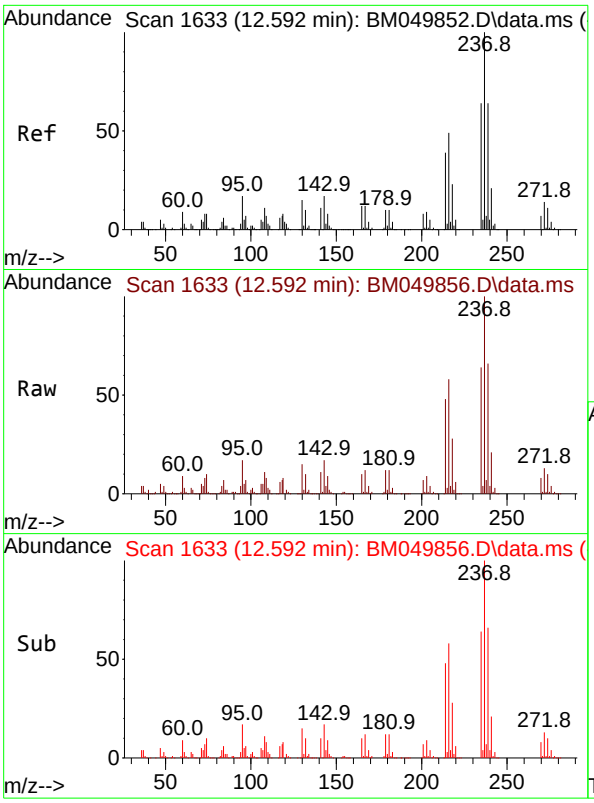


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.724 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:216 Resp: 974104

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.2	94.8
179	19.4	15.8	23.6
108	14.0	11.5	17.3



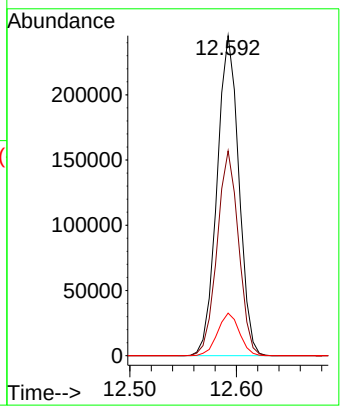


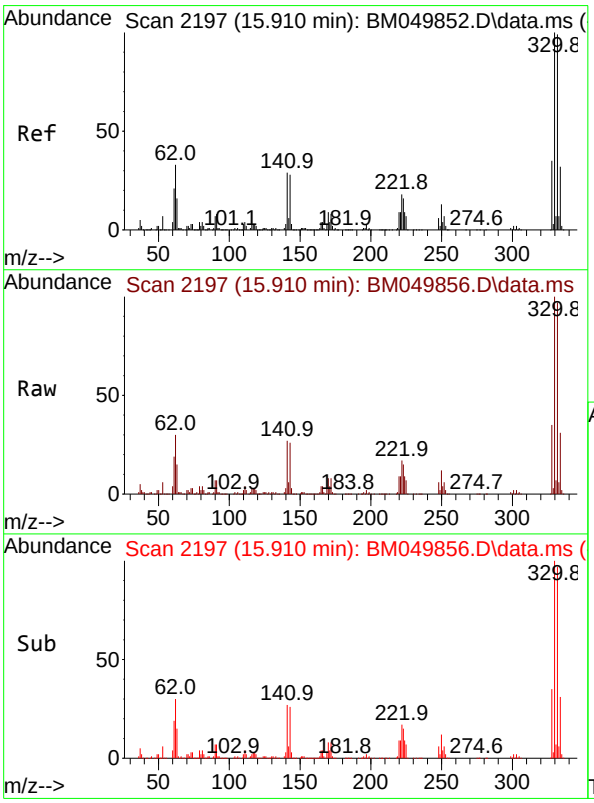
#41
Hexachlorocyclopentadiene
Concen: 41.571 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:237 Resp: 348434

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.7	83.7
272	13.3	0.0	33.5

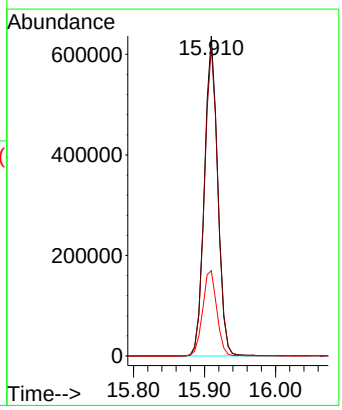


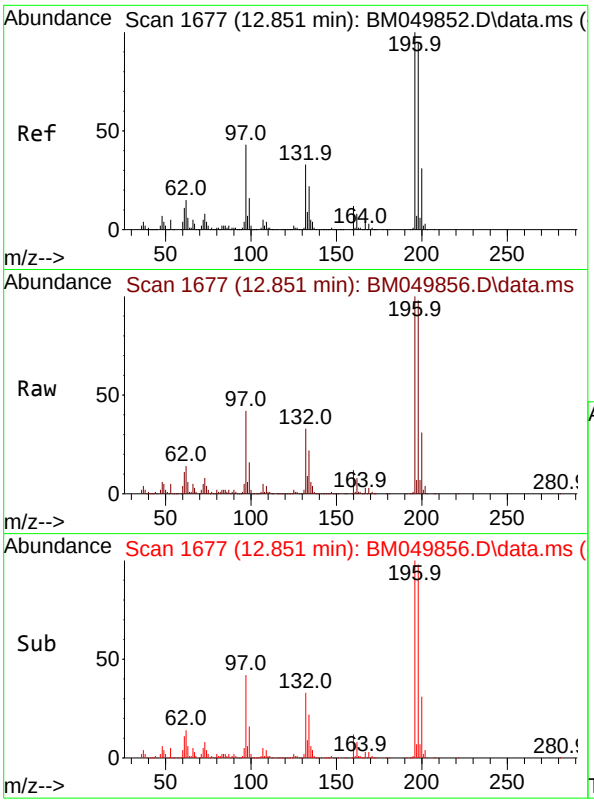


#42
2,4,6-Tribromophenol
Concen: 83.550 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:330 Resp: 830905

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	28.4	23.5	35.3



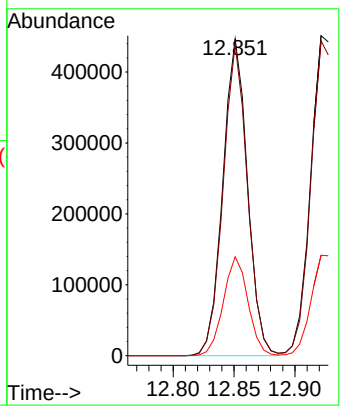


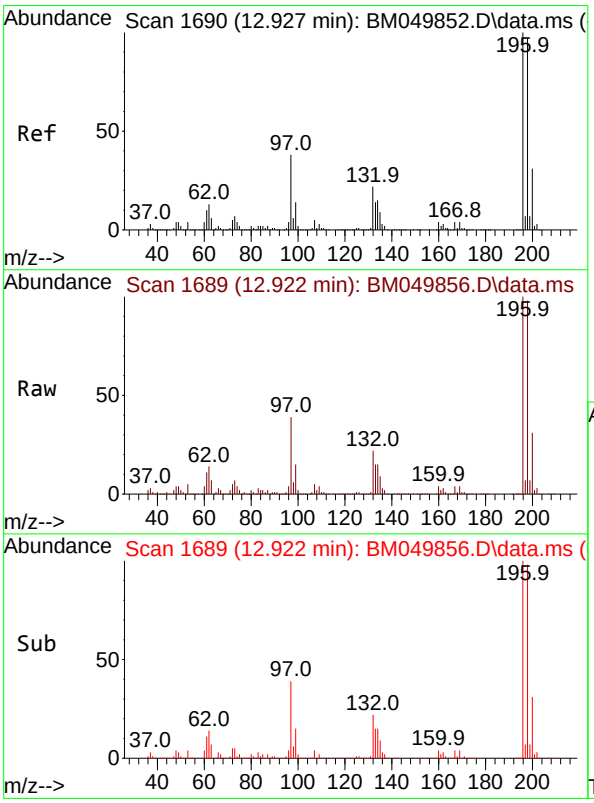
#43
2,4,6-Trichlorophenol
Concen: 41.361 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:196 Resp: 629554

Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.1	114.1
200	31.2	24.7	37.1

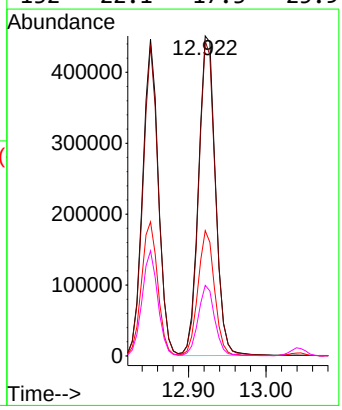


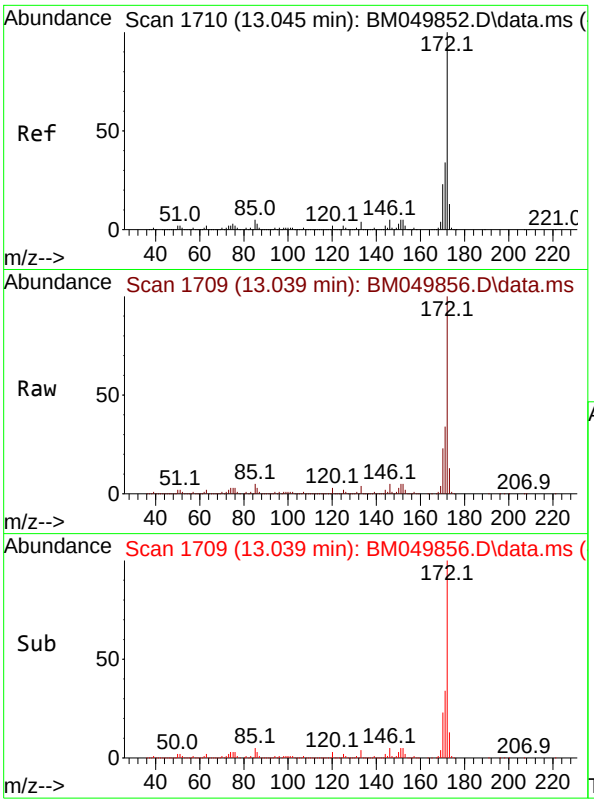


#44
2,4,5-Trichlorophenol
Concen: 41.410 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:196 Resp: 684953

Ion	Ratio	Lower	Upper
196	100		
198	98.4	77.7	116.5
97	39.2	30.3	45.5
132	22.1	17.3	25.9



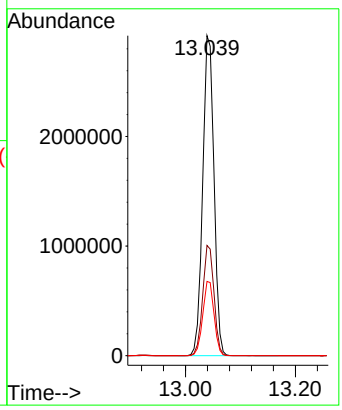


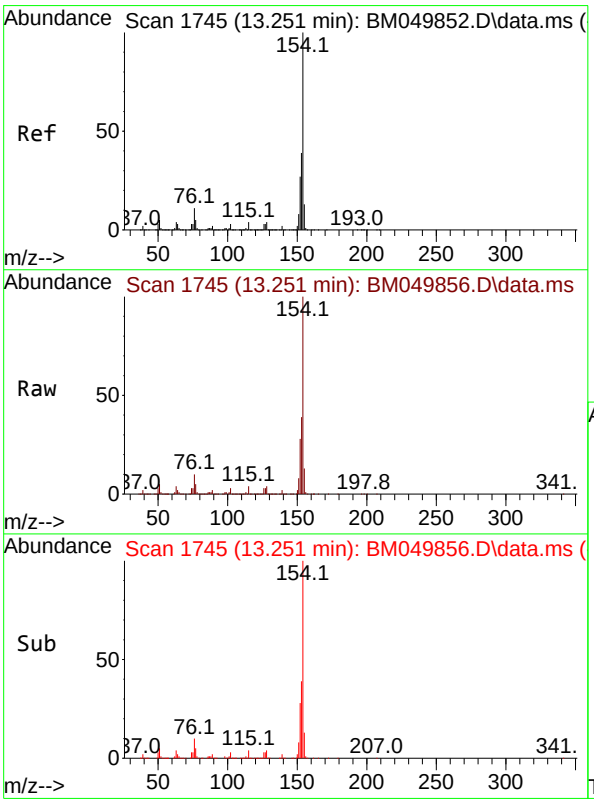
#45
2-Fluorobiphenyl
Concen: 82.271 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:172 Resp: 4148227

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	23.2	18.6	28.0

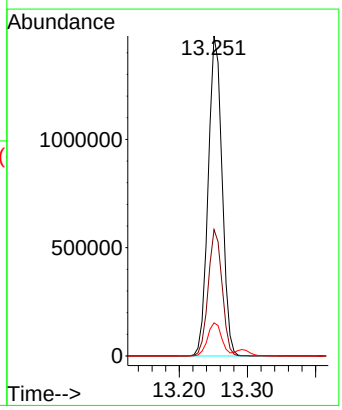


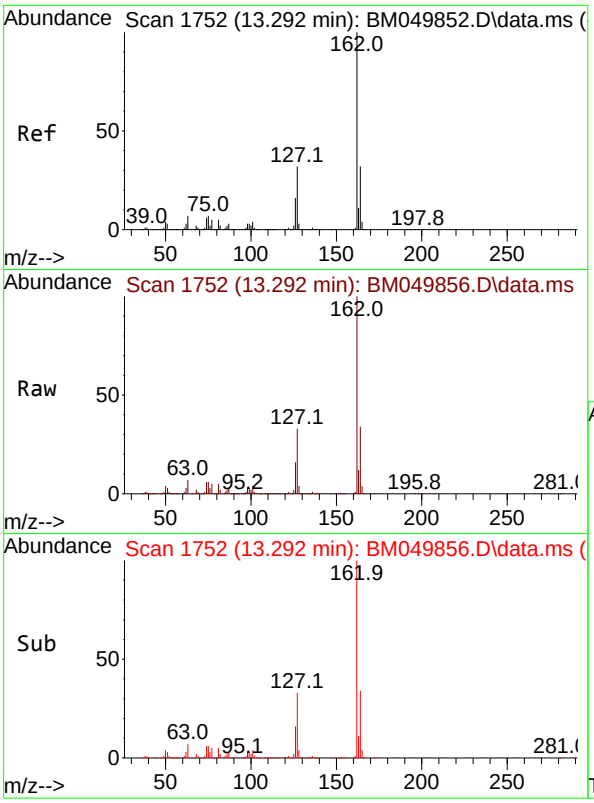


#46
1,1'-Biphenyl
Concen: 41.097 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:154 Resp: 2088758

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.3	59.3
76	10.3	0.0	30.7



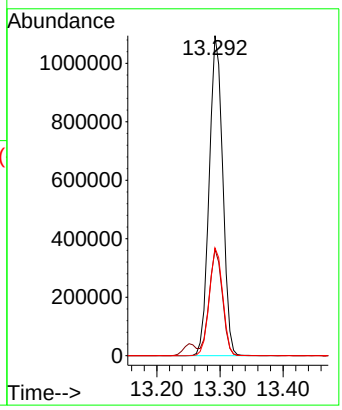


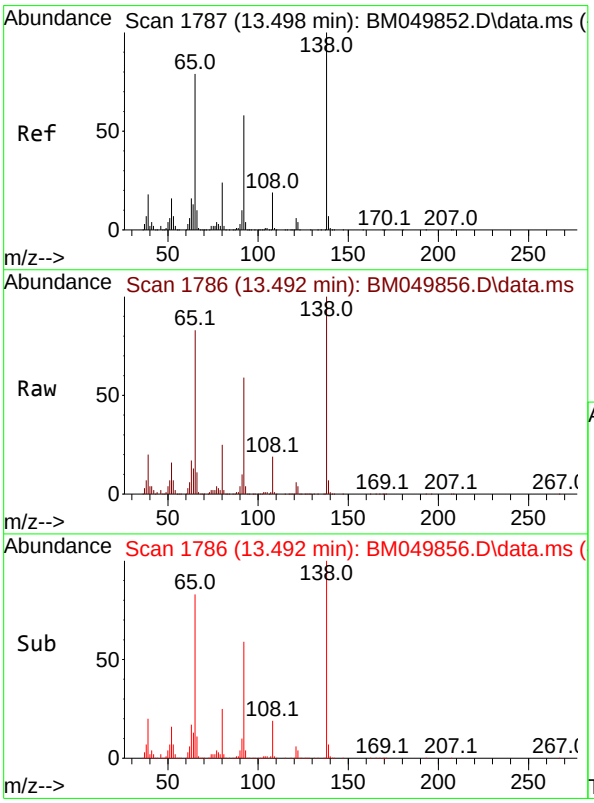
#47
2-Chloronaphthalene
Concen: 40.719 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:162 Resp: 1626662

Ion	Ratio	Lower	Upper
162	100		
127	33.2	26.0	39.0
164	33.7	25.9	38.9

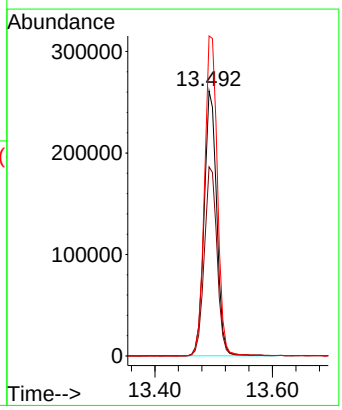


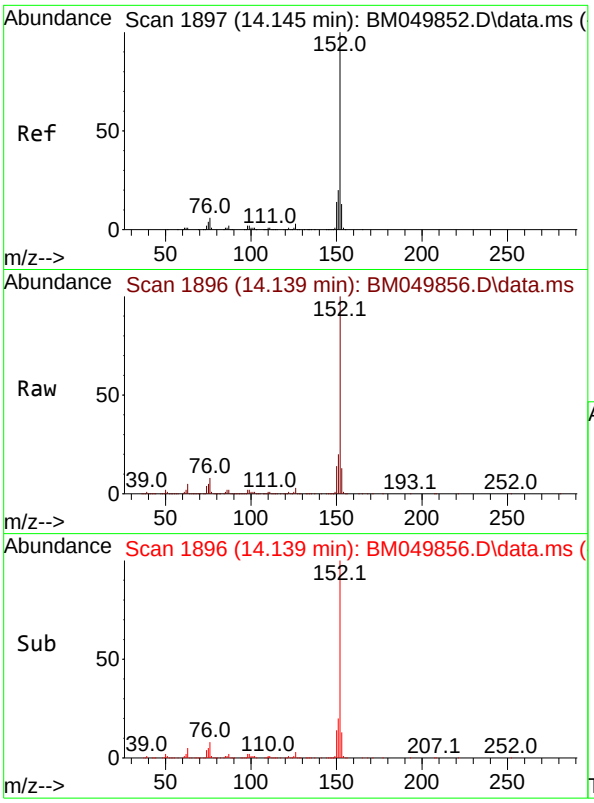


#48
2-Nitroaniline
Concen: 41.831 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 65 Resp: 386594

Ion	Ratio	Lower	Upper
65	100		
92	71.4	58.4	87.6
138	120.7	100.8	151.2



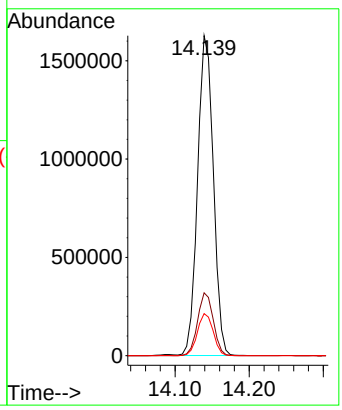


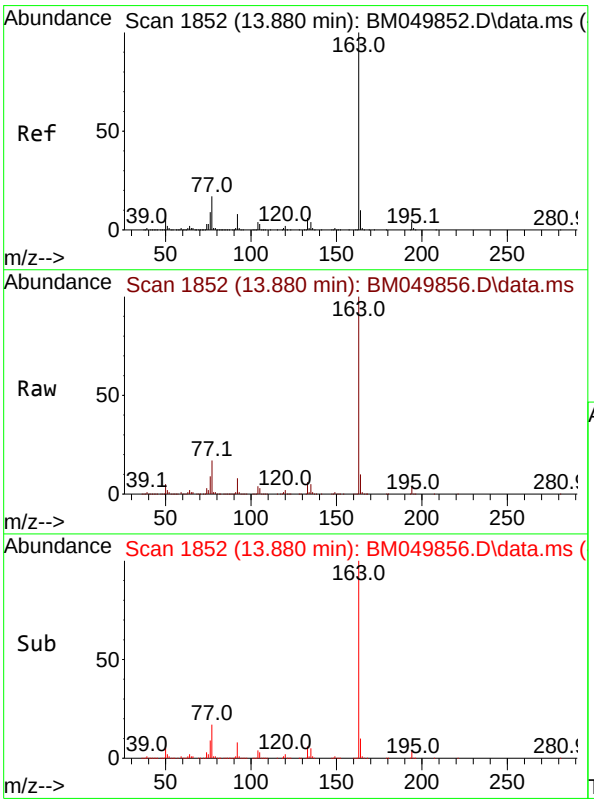
#49
Acenaphthylene
Concen: 41.321 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:152 Resp: 2404483

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.4	15.6

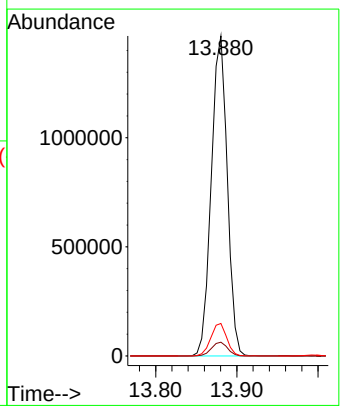


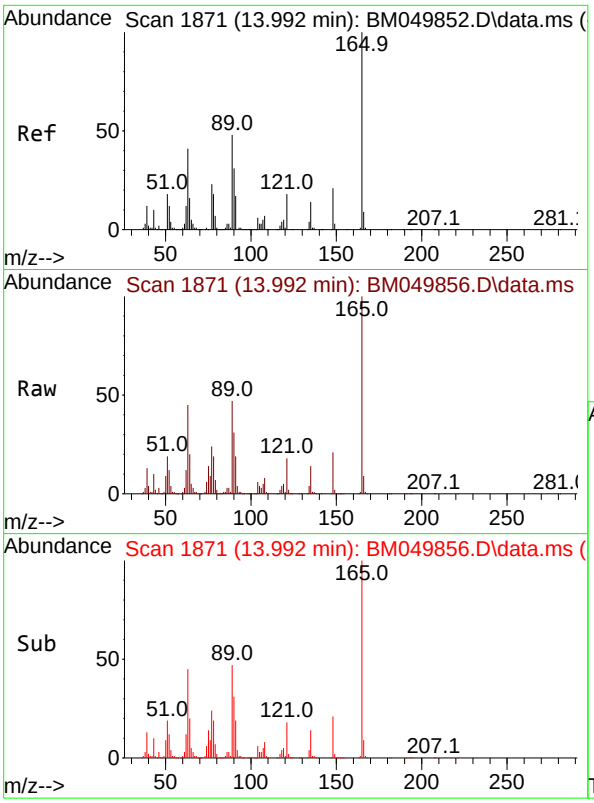


#50
Dimethylphthalate
Concen: 41.593 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:163 Resp: 2006252

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	7.9	11.9



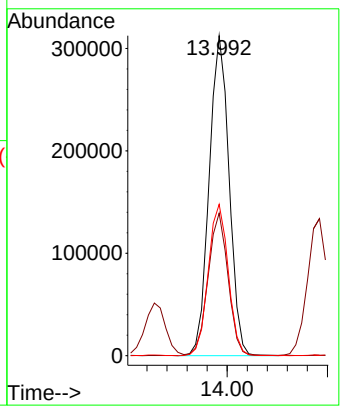


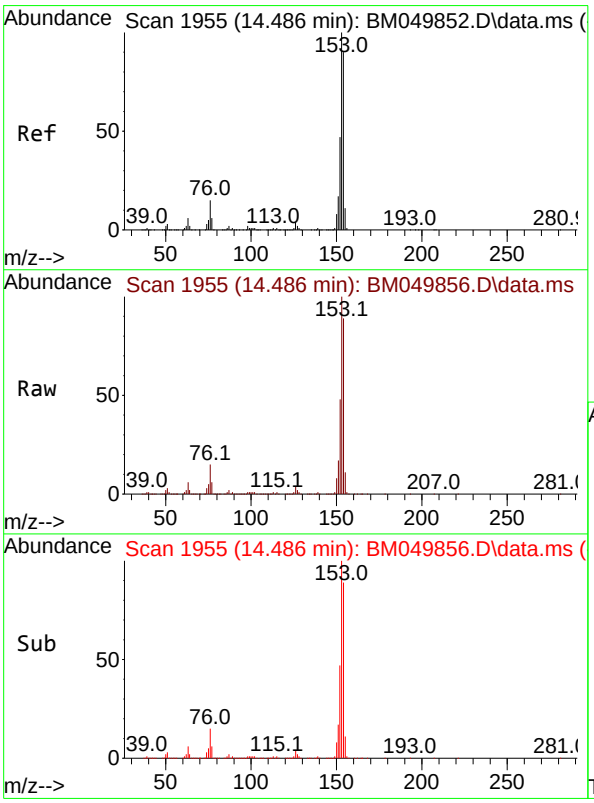
#51
2,6-Dinitrotoluene
Concen: 42.625 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:165 Resp: 430765

Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	47.3	38.3	57.5

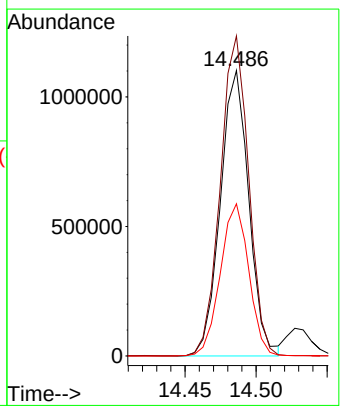


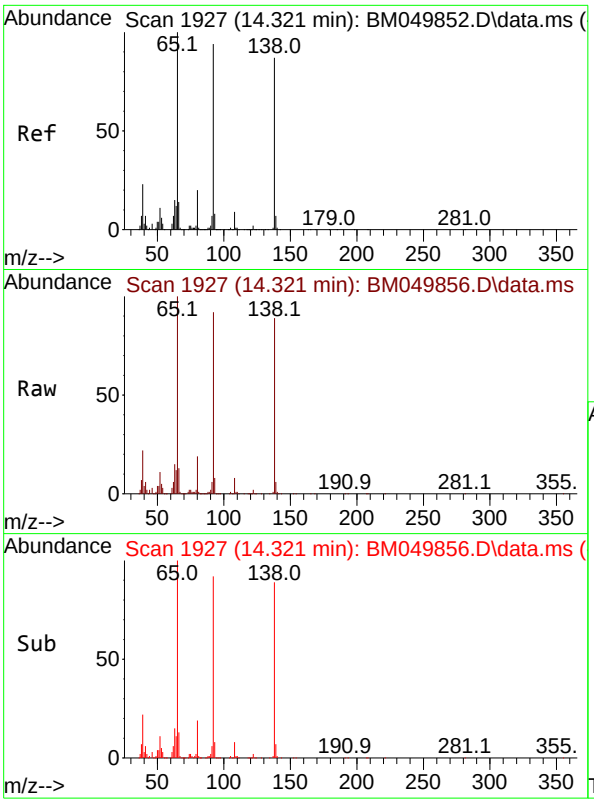


#52
Acenaphthene
Concen: 41.534 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:154 Resp: 1537342

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.3	133.9
152	53.3	42.2	63.2



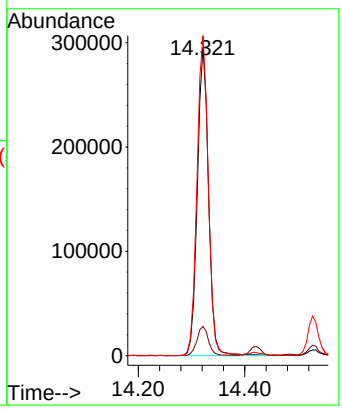


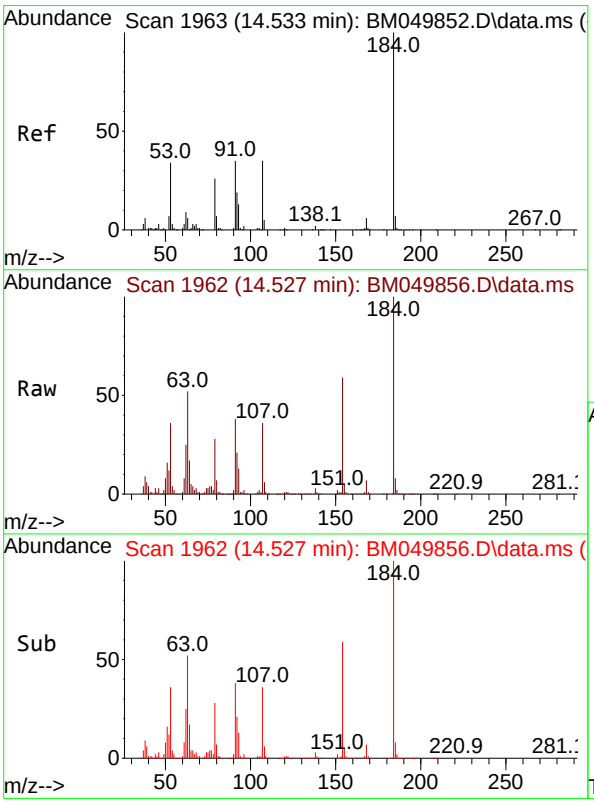
#53
3-Nitroaniline
Concen: 44.041 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:138 Resp: 430166

Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.1	12.1
92	103.9	86.5	129.7

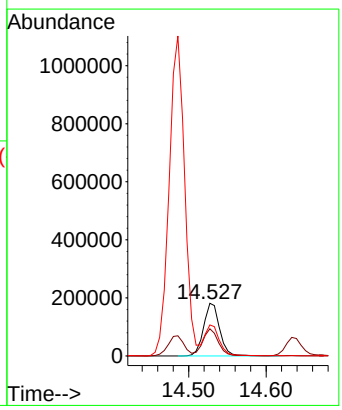


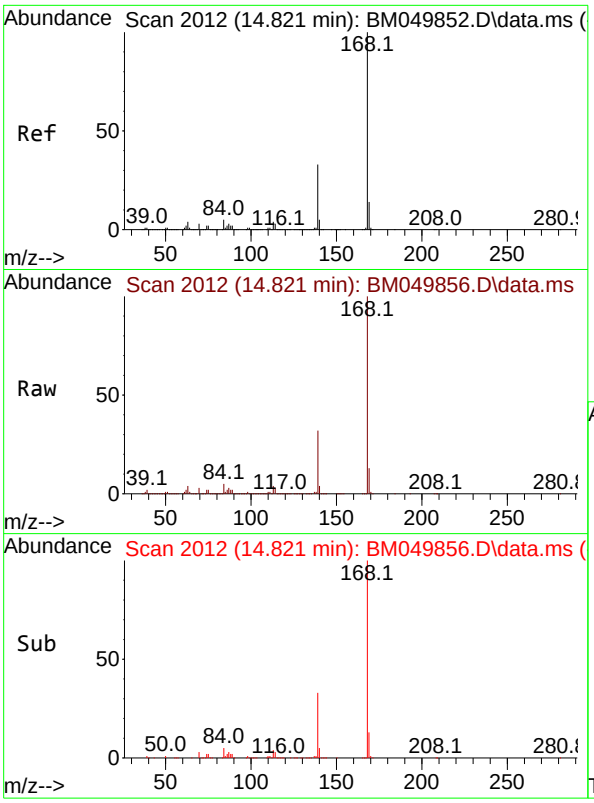


#54
2,4-Dinitrophenol
Concen: 39.689 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:184 Resp: 261179

Ion	Ratio	Lower	Upper
184	100		
63	51.8	38.4	57.6
154	59.0	48.1	72.1



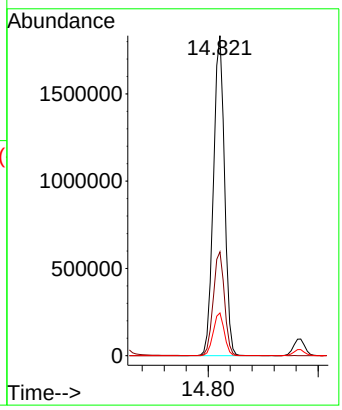


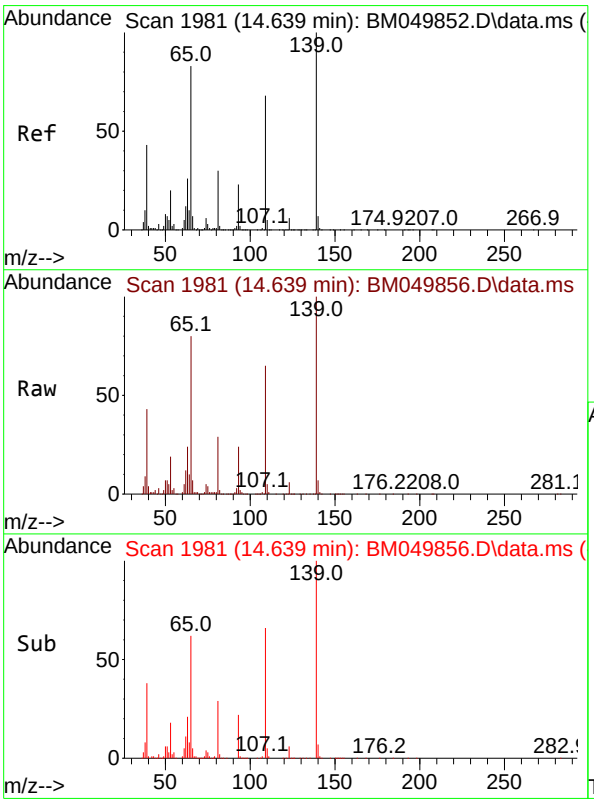
#55
Dibenzofuran
Concen: 41.581 ng
RT: 14.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:168 Resp: 2572884

Ion	Ratio	Lower	Upper
168	100		
139	32.5	26.6	39.8
169	13.4	11.0	16.4

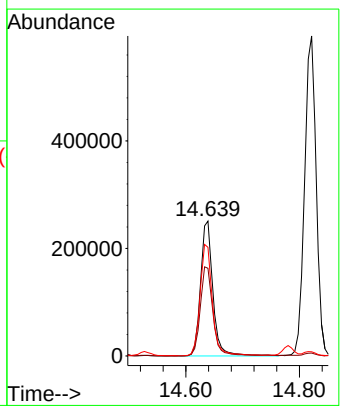


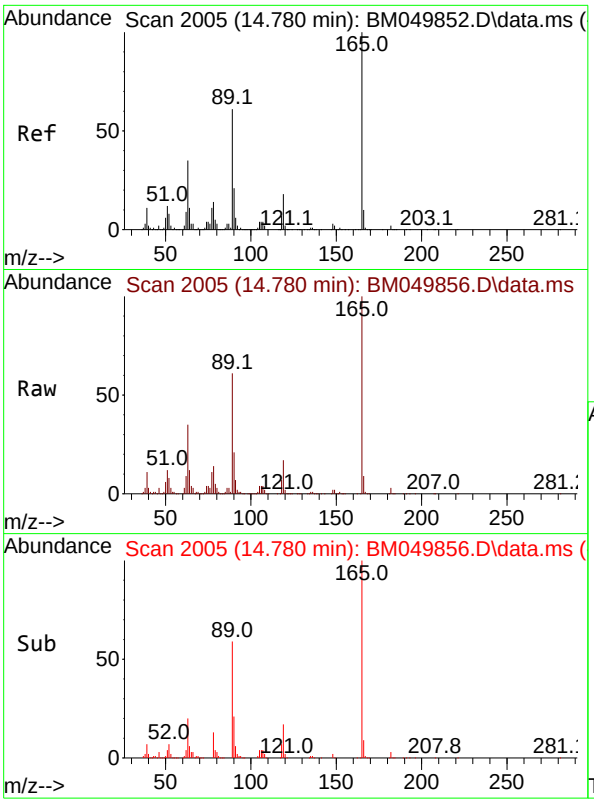


#56
4-Nitrophenol
Concen: 43.685 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:139 Resp: 380237

Ion	Ratio	Lower	Upper
139	100		
109	65.0	47.9	87.9
65	80.5	62.7	102.7



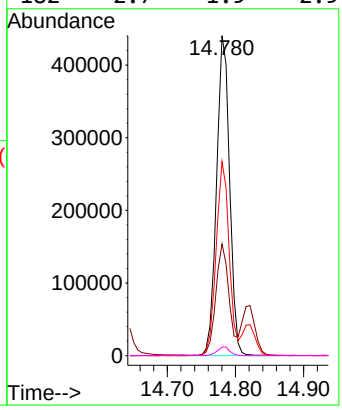


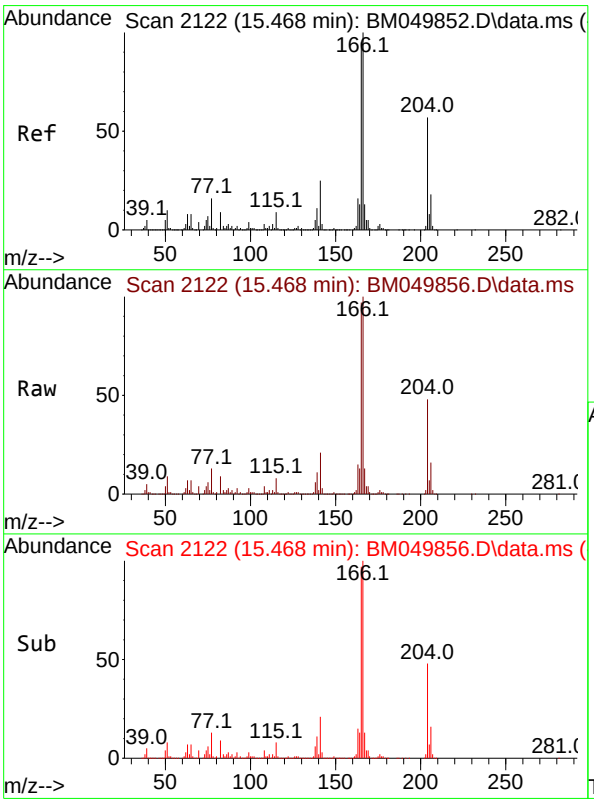
#57
2,4-Dinitrotoluene
Concen: 43.627 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:165 Resp: 588187

Ion	Ratio	Lower	Upper
165	100		
63	34.9	28.6	42.8
89	60.6	49.0	73.6
182	2.7	1.9	2.9

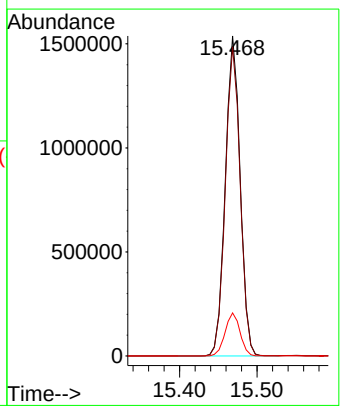


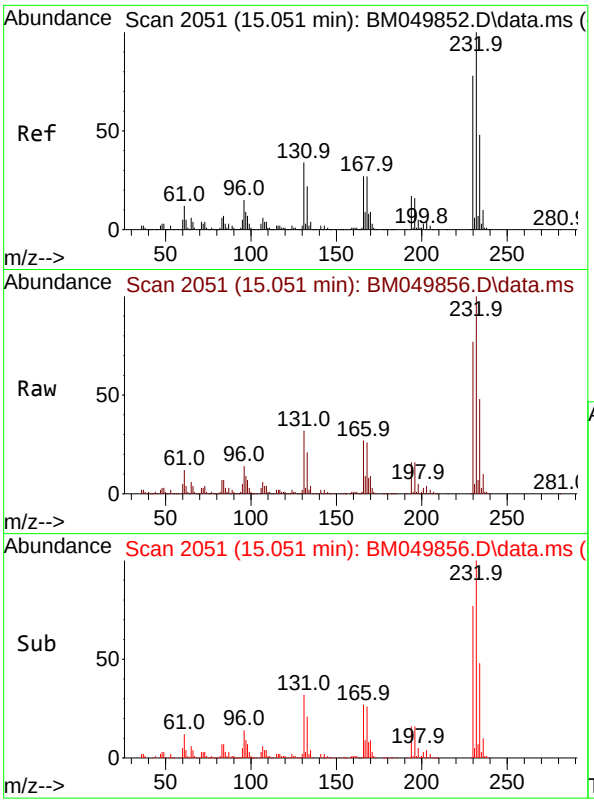


#58
Fluorene
Concen: 41.729 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:166 Resp: 2052408

Ion	Ratio	Lower	Upper
166	100		
165	96.6	76.3	114.5
167	13.5	10.7	16.1



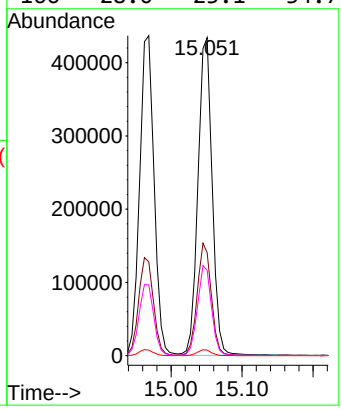


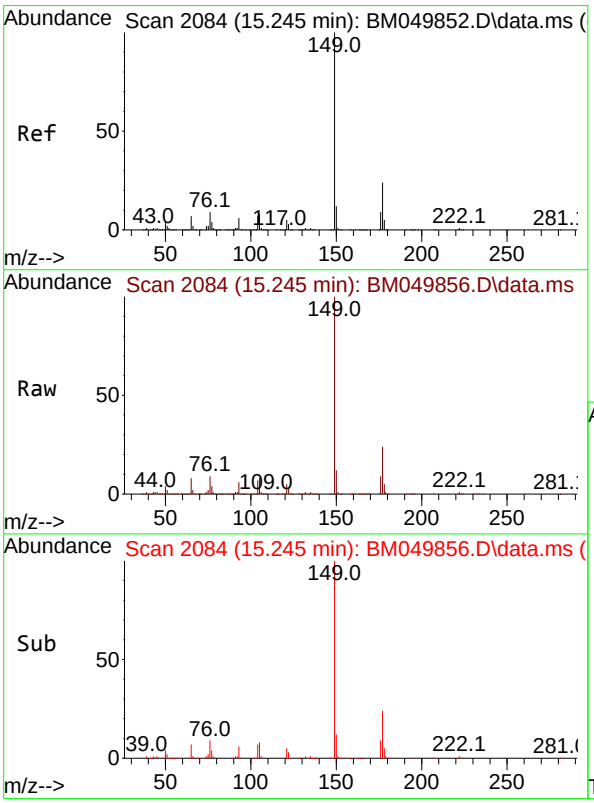
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.690 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:232 Resp: 604398

Ion	Ratio	Lower	Upper
232	100		
131	35.1	28.4	42.6
130	1.9	1.6	2.4
166	28.0	23.1	34.7

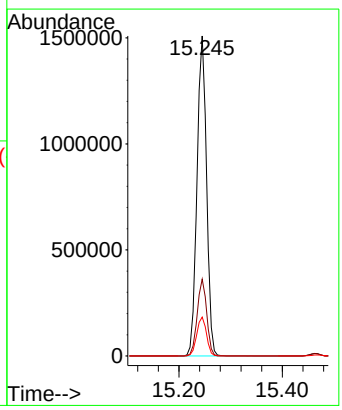


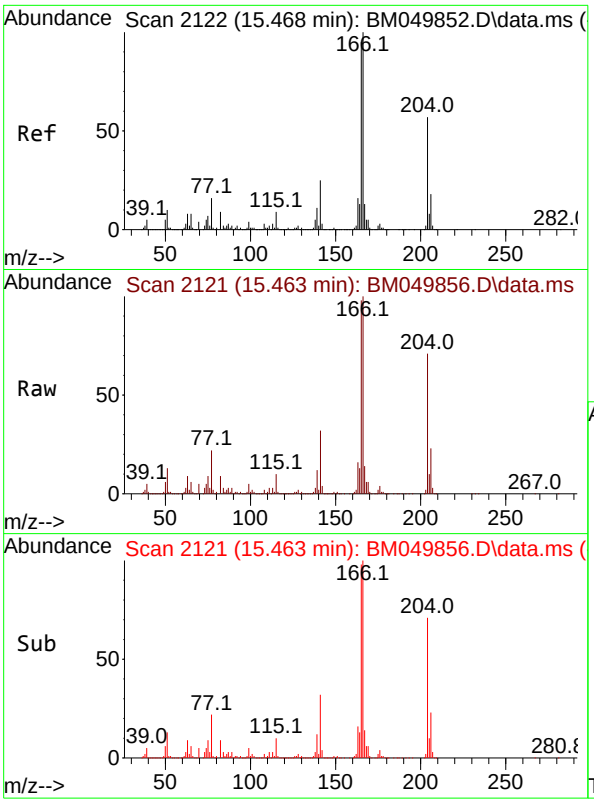


#60
Diethylphthalate
Concen: 41.839 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 1935360

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.2	9.7	14.5



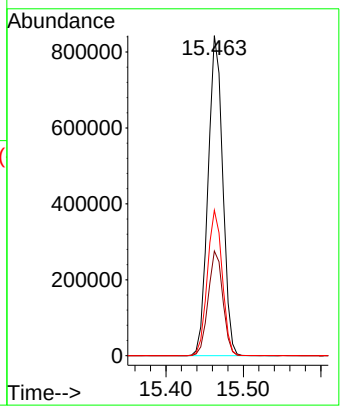


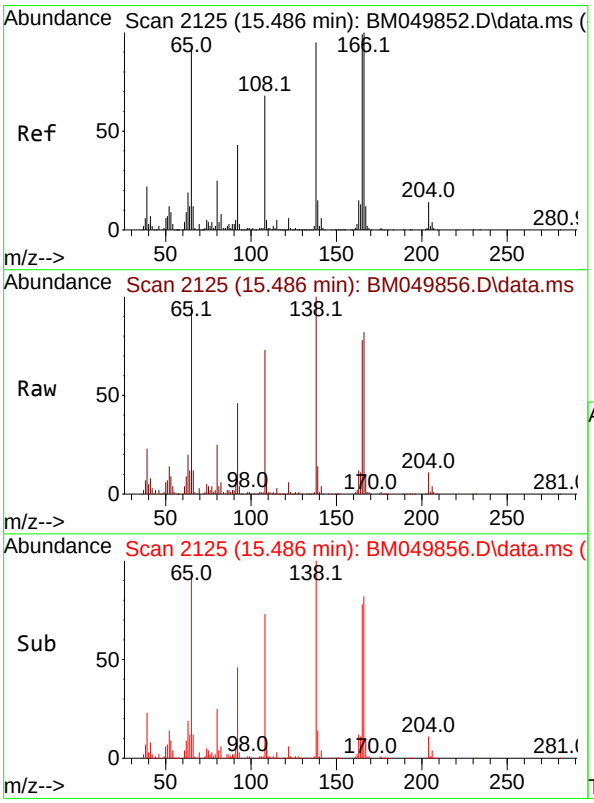
#61
4-Chlorophenyl-phenylether
Concen: 41.984 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:204 Resp: 1107114

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	45.4	35.0	52.6

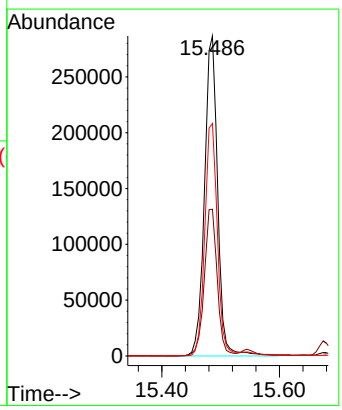


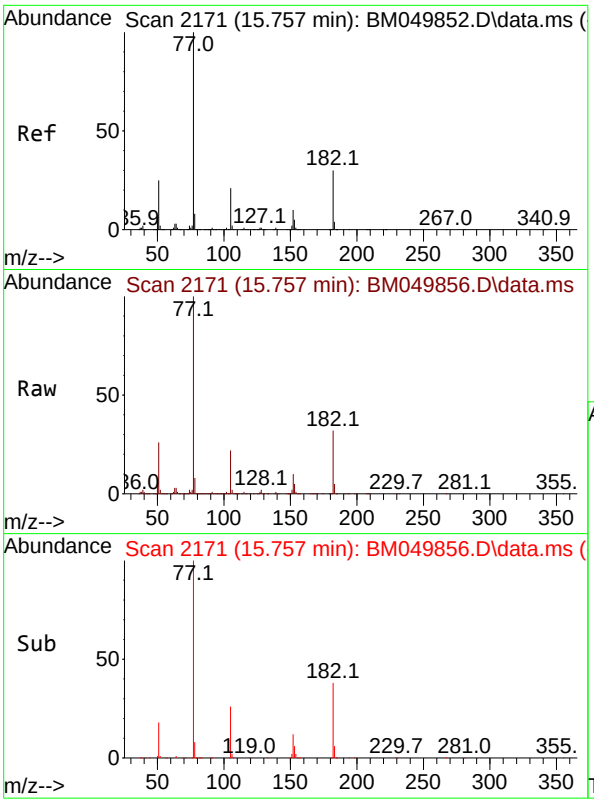


#62
4-Nitroaniline
Concen: 44.058 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:138 Resp: 445025

Ion	Ratio	Lower	Upper
138	100		
92	45.9	24.9	64.9
108	72.7	51.7	91.7



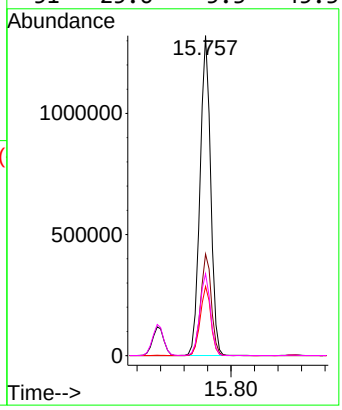


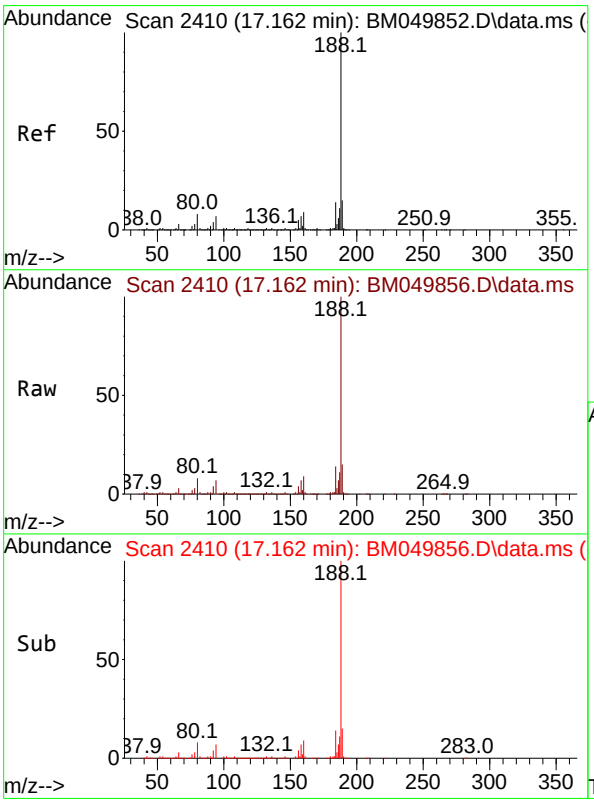
#63
Azobenzene
Concen: 41.869 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 77 Resp: 1658136

Ion	Ratio	Lower	Upper
77	100		
182	31.8	10.4	50.4
105	21.7	1.5	41.5
51	25.6	5.3	45.3

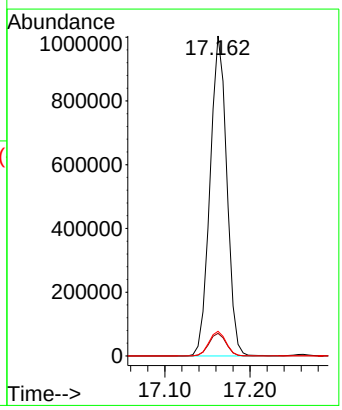


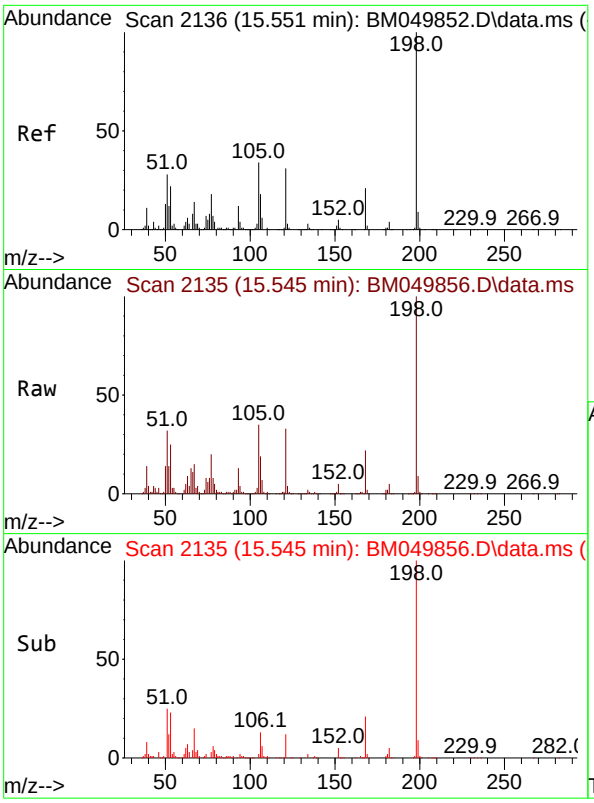


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:188 Resp: 1374499

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.7	6.4	9.6



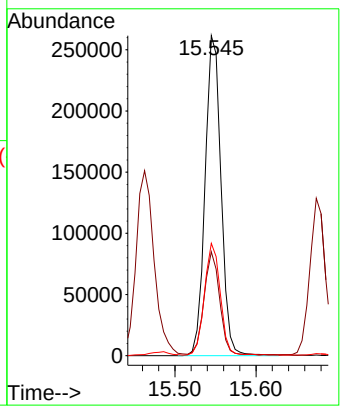


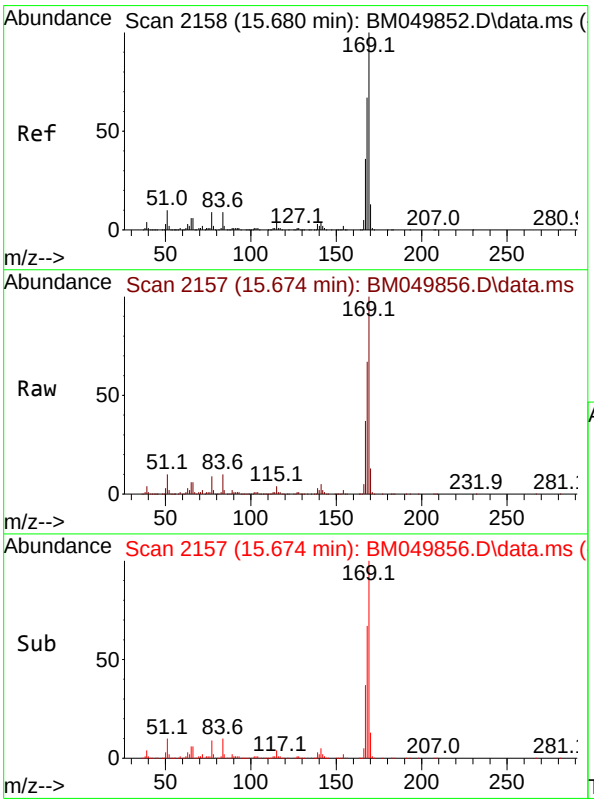
#65
4,6-Dinitro-2-methylphenol
Concen: 41.037 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:198 Resp: 355438

Ion	Ratio	Lower	Upper
198	100		
51	32.5	9.6	49.6
105	35.1	14.7	54.7

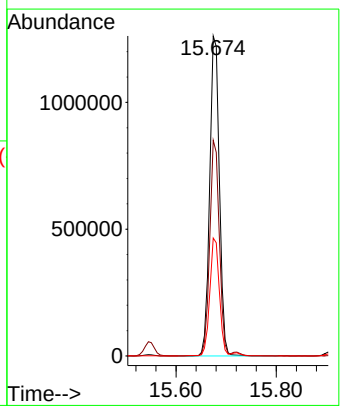


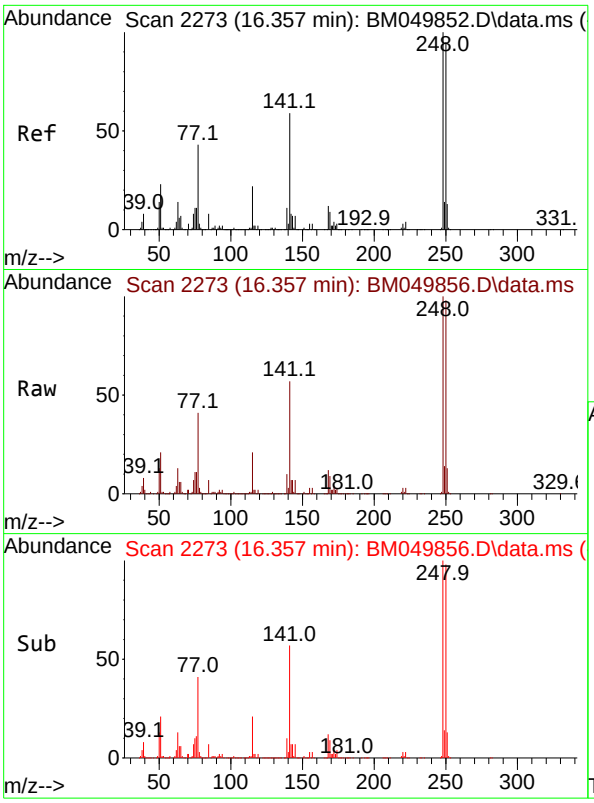


#66
n-Nitrosodiphenylamine
Concen: 41.081 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:169 Resp: 1689818

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	36.9	29.0	43.6



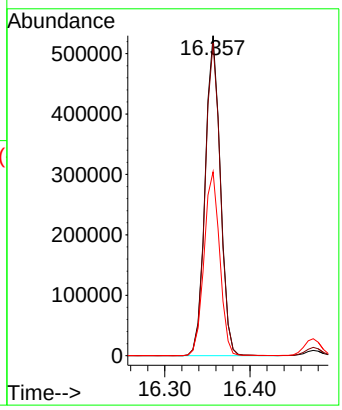


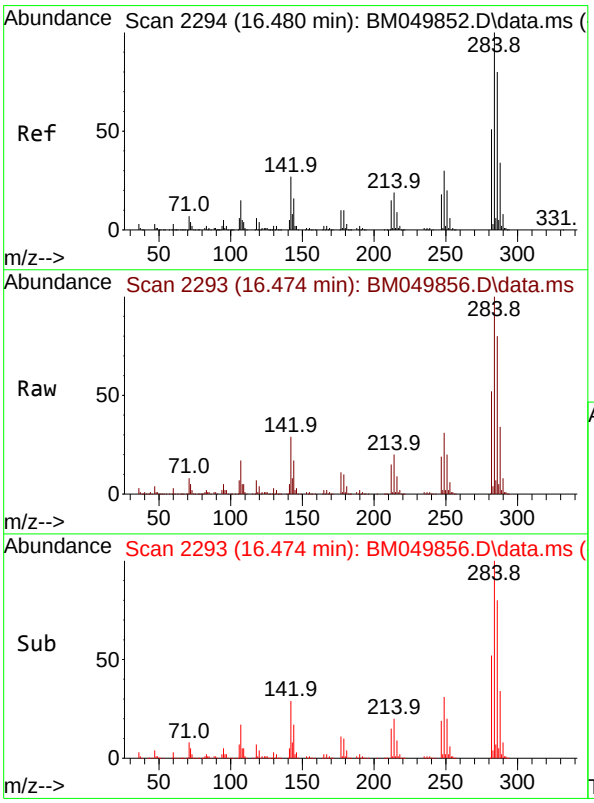
#67
4-Bromophenyl-phenylether
Concen: 41.024 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:248 Resp: 654585

Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.2	114.2
141	57.5	47.3	70.9

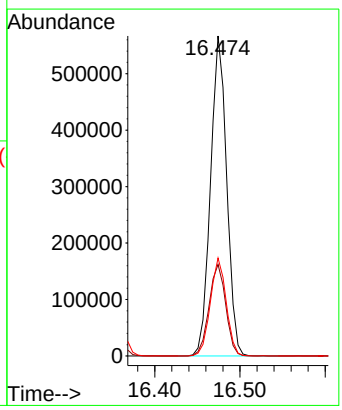


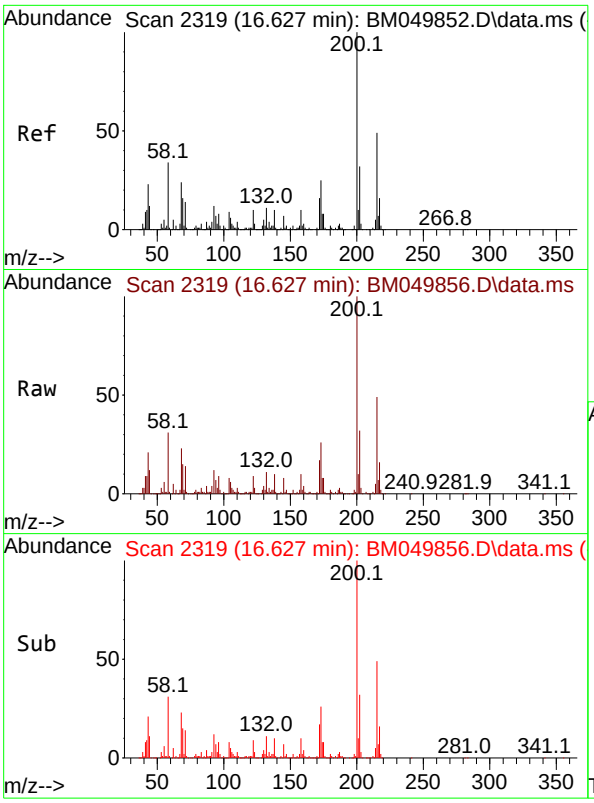


#68
Hexachlorobenzene
Concen: 40.782 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:284 Resp: 746406

Ion	Ratio	Lower	Upper
284	100		
142	28.6	21.2	31.8
249	30.6	24.1	36.1



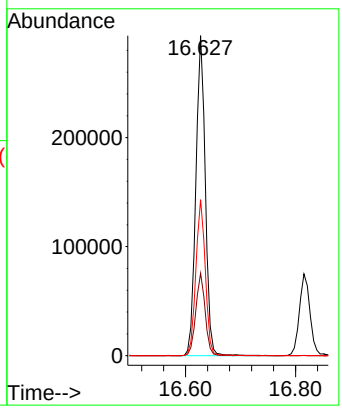


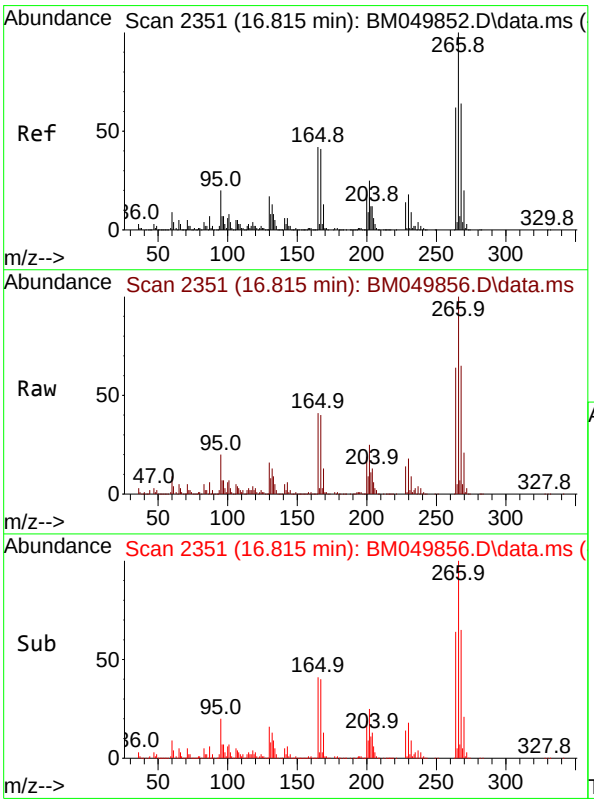
#69
Atrazine
Concen: 32.937 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:200 Resp: 351283

Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.4	45.4
215	48.8	29.0	69.0

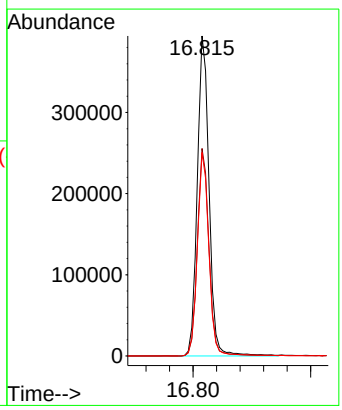


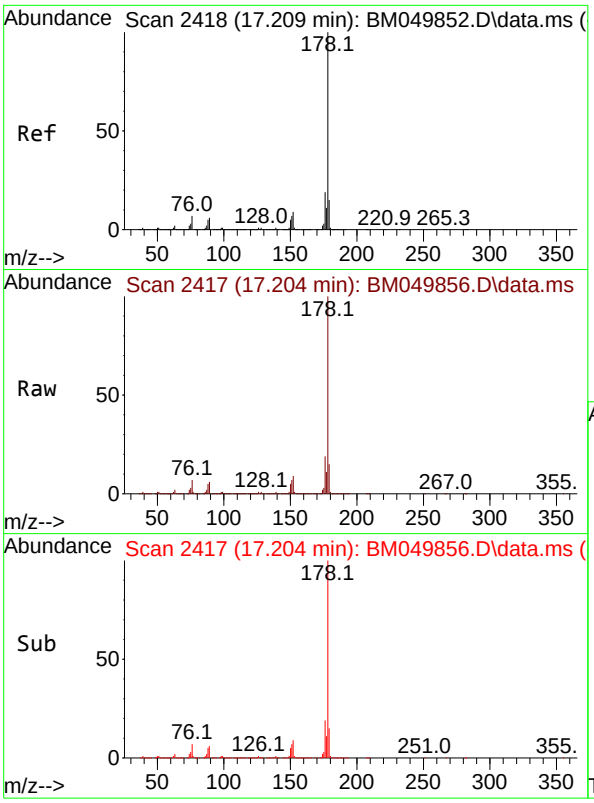


#70
Pentachlorophenol
Concen: 40.626 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:266 Resp: 547416

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.4	77.2
264	63.6	49.8	74.8



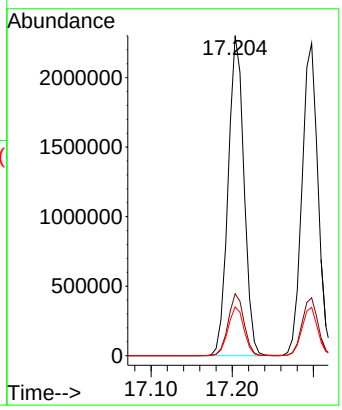


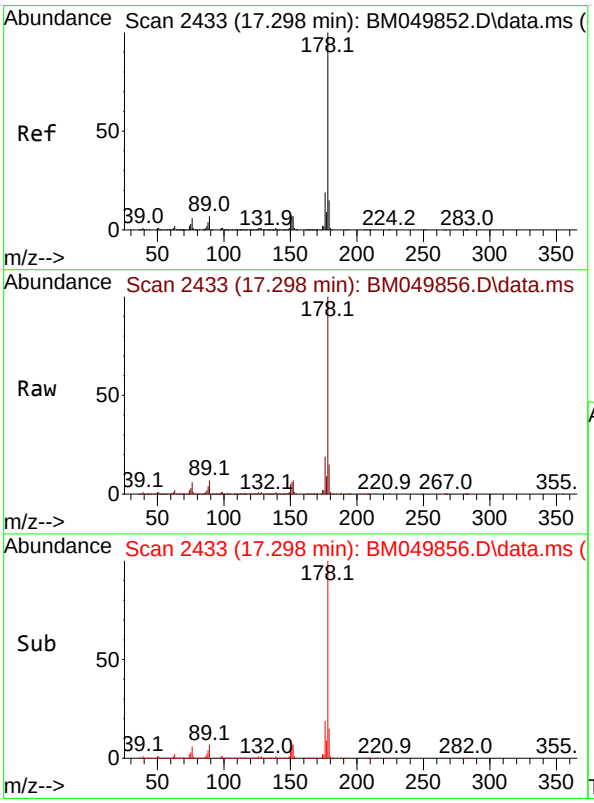
#71
Phenanthrene
Concen: 41.280 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:178 Resp: 3110670

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.2	12.3	18.5

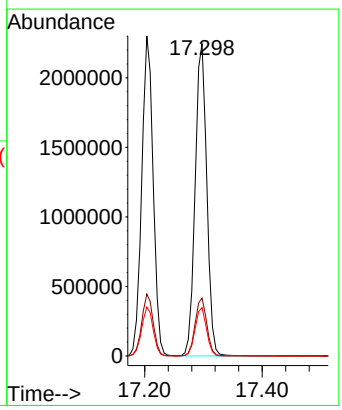


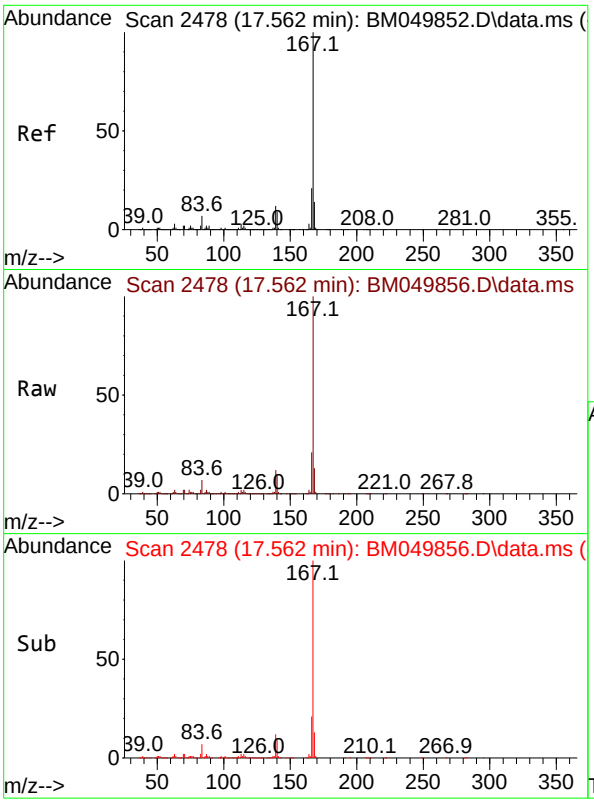


#72
Anthracene
Concen: 41.490 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:178 Resp: 3081134

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.4	18.6



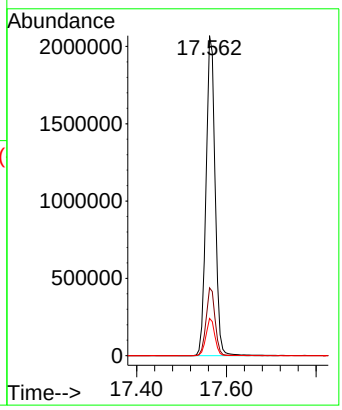


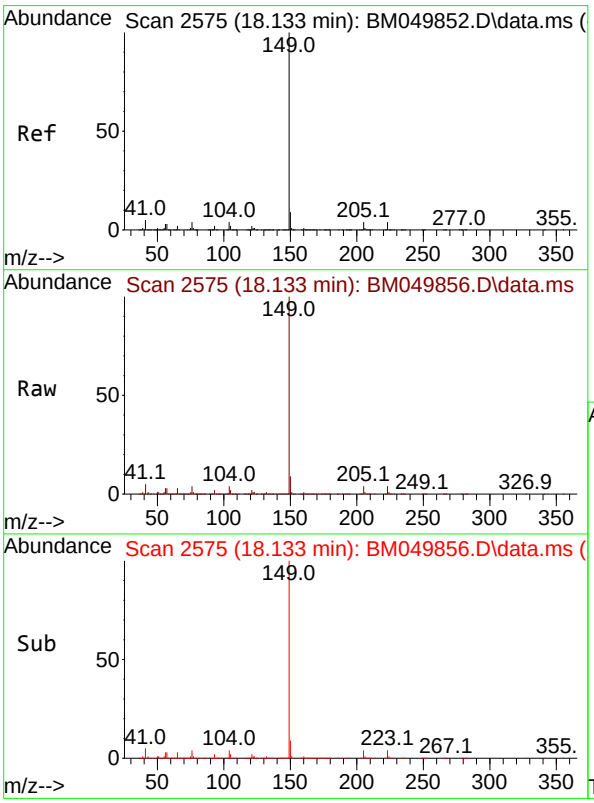
#73
Carbazole
Concen: 41.424 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:167 Resp: 2897408

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	11.6	9.3	13.9

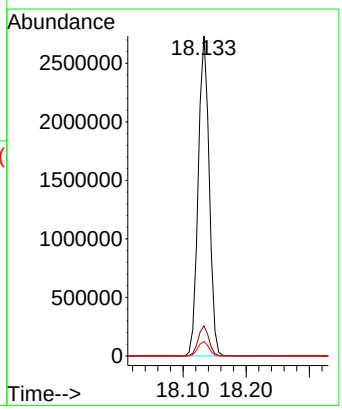


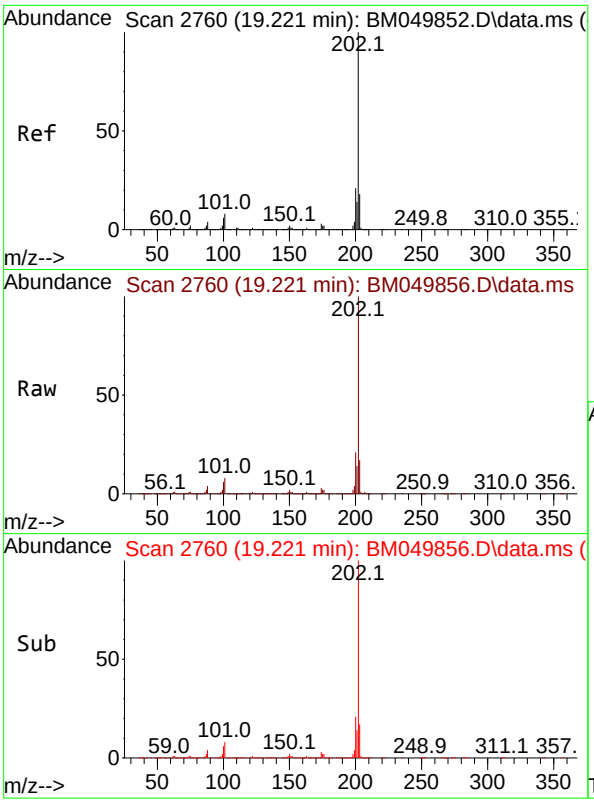


#74
Di-n-butylphthalate
Concen: 40.739 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 3282090

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.5	5.3



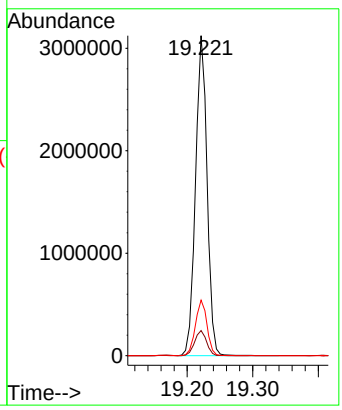


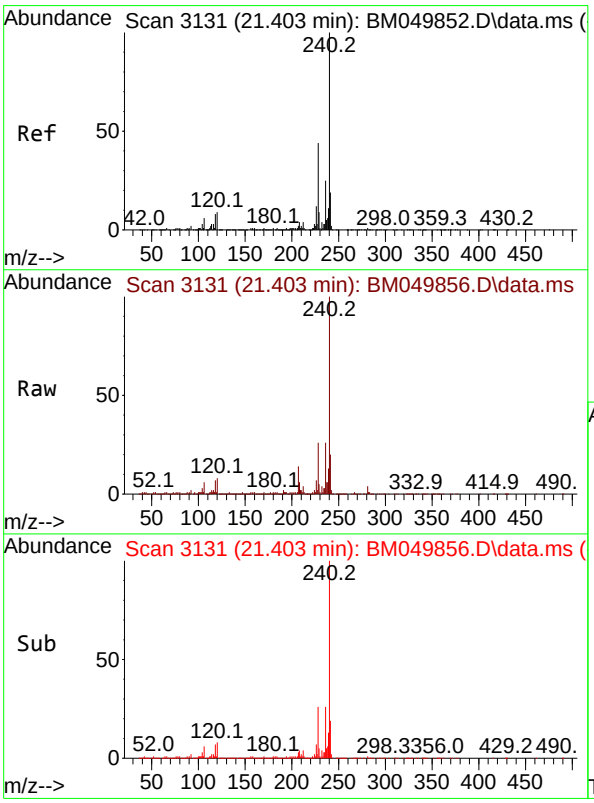
#75
Fluoranthene
Concen: 41.327 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:202 Resp: 3829085

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.4	0.0	37.8

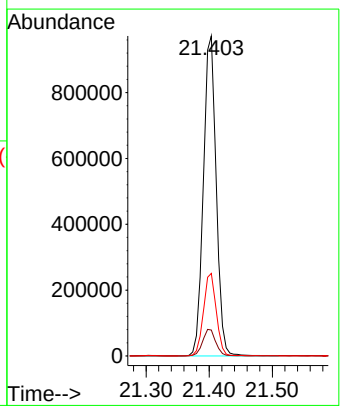


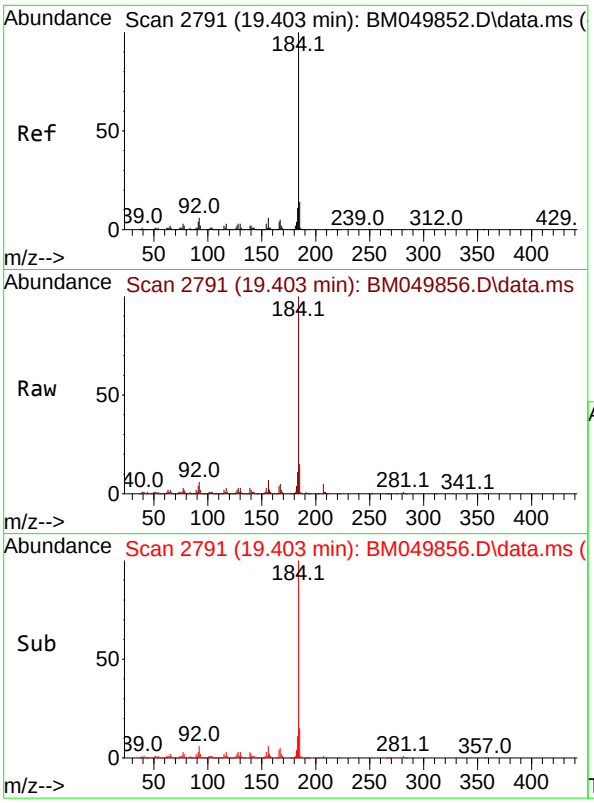


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:240 Resp: 1374864

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.9	10.3
236	25.8	20.4	30.6



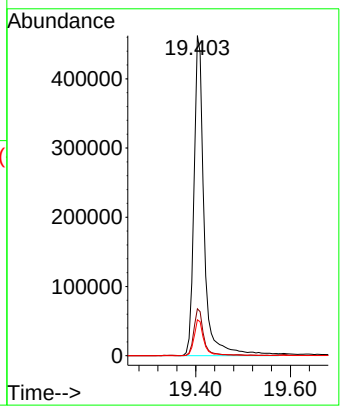


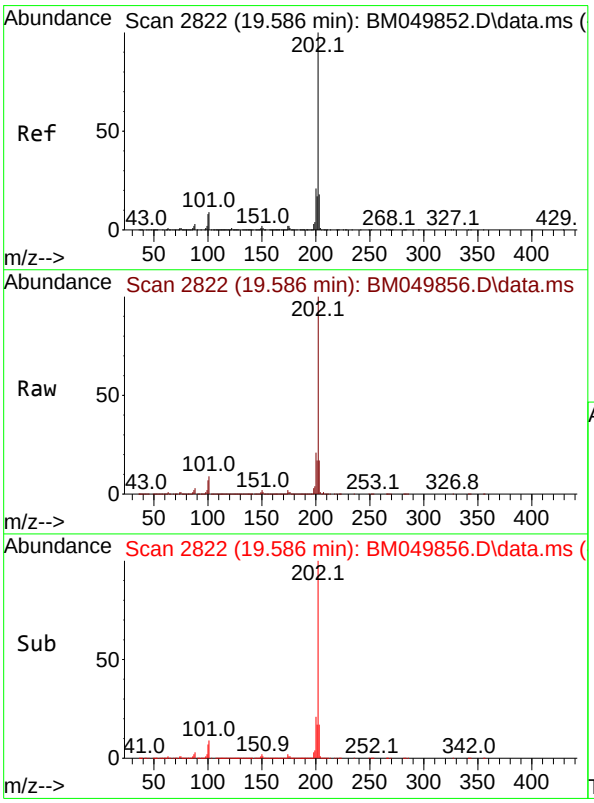
#77
Benzidine
Concen: 37.866 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:184 Resp: 690660

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.2	8.8	13.2

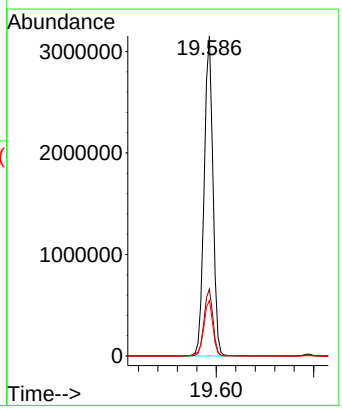


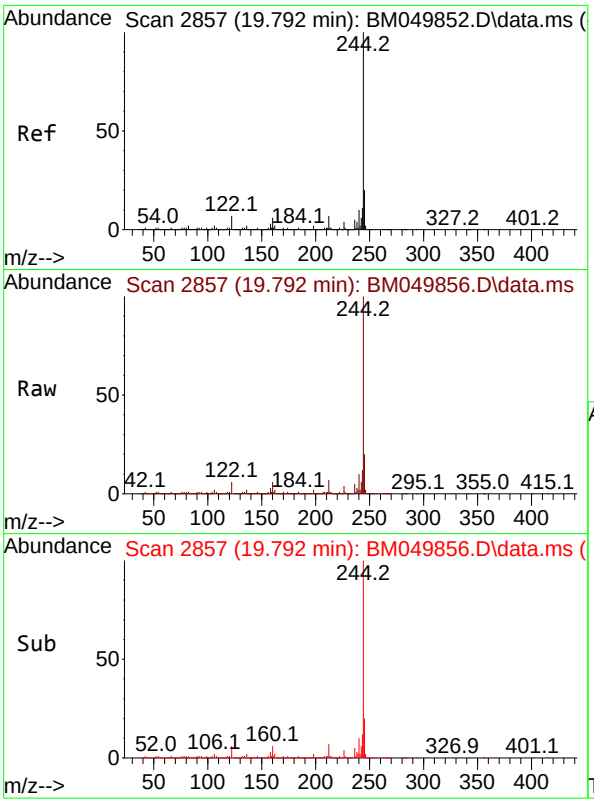


#78
Pyrene
Concen: 41.482 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:202 Resp: 3930574

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.3	14.0	21.0



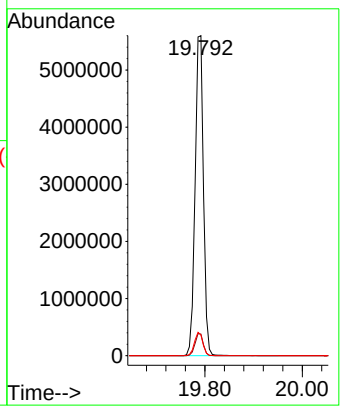


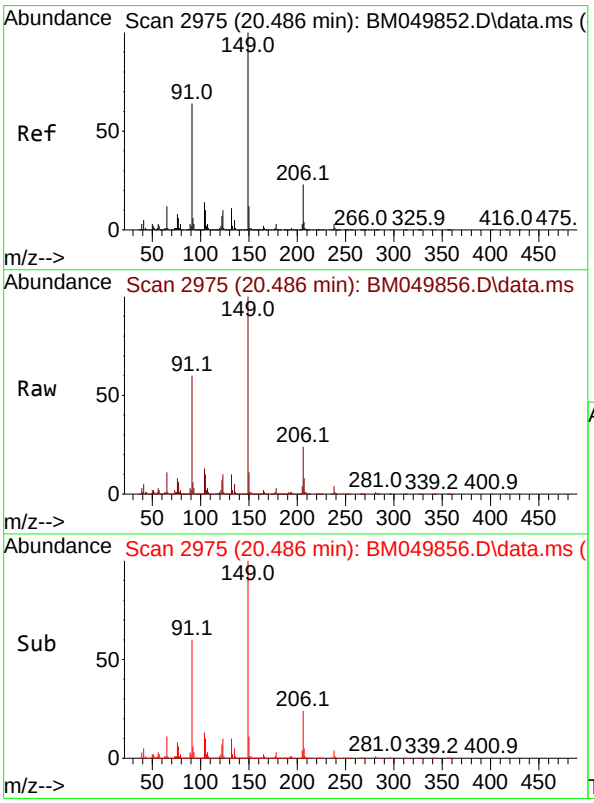
#79
Terphenyl-d14
Concen: 90.949 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:244 Resp: 6672291

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	6.5	5.4	8.0

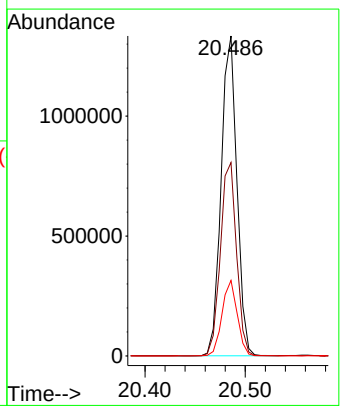


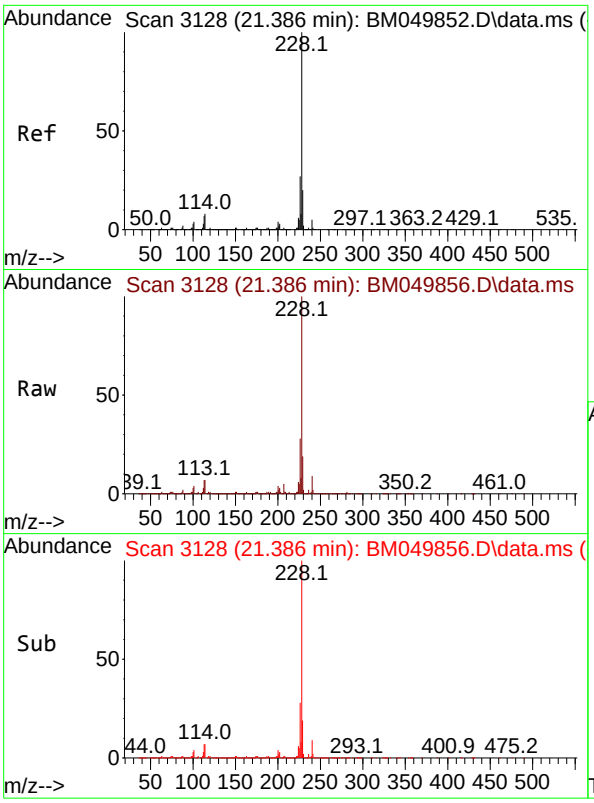


#80
Butylbenzylphthalate
Concen: 40.807 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 1452887

Ion	Ratio	Lower	Upper
149	100		
91	60.4	50.9	76.3
206	23.6	18.4	27.6



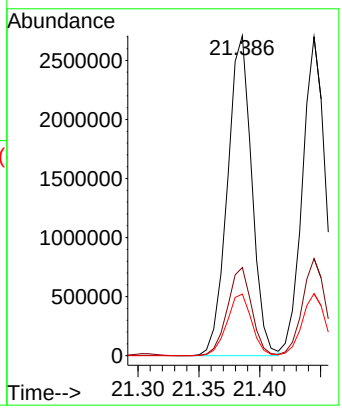


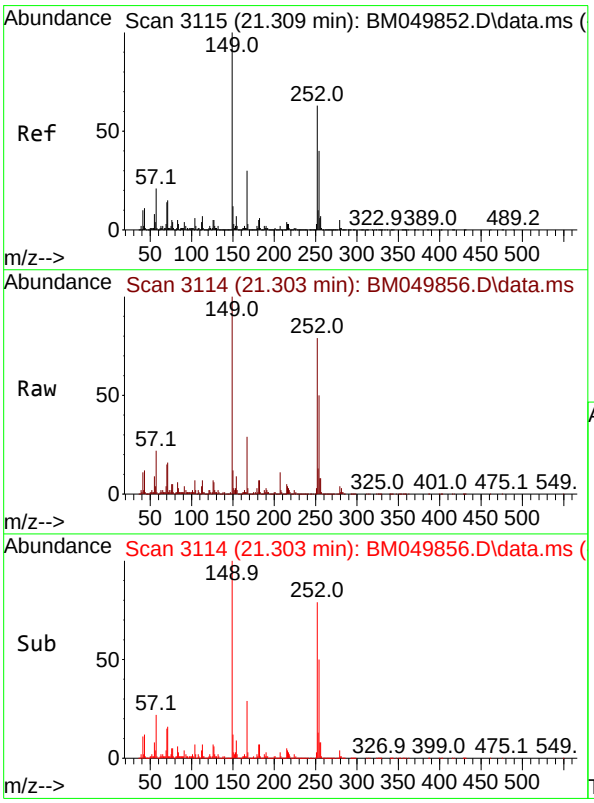
#81
Benzo(a)anthracene
Concen: 41.314 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:228 Resp: 3774940

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	19.3	15.8	23.8

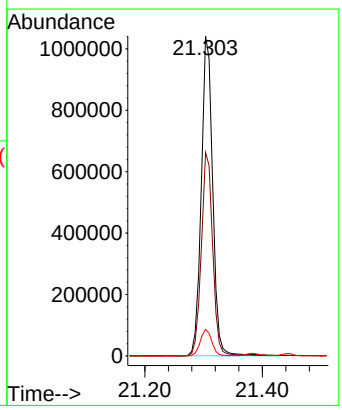


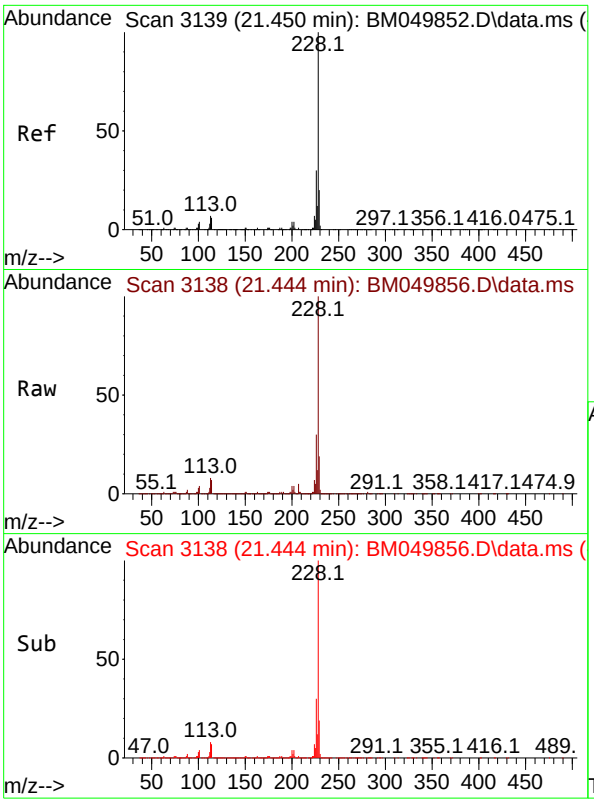


#82
3,3'-Dichlorobenzidine
Concen: 40.707 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 1404639

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.5	77.3
126	8.3	6.3	9.5



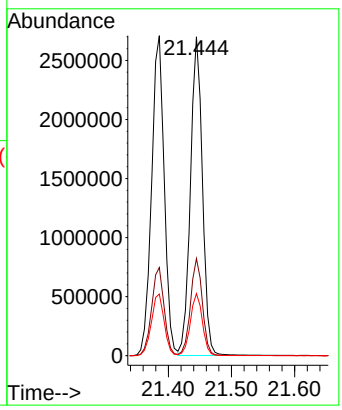


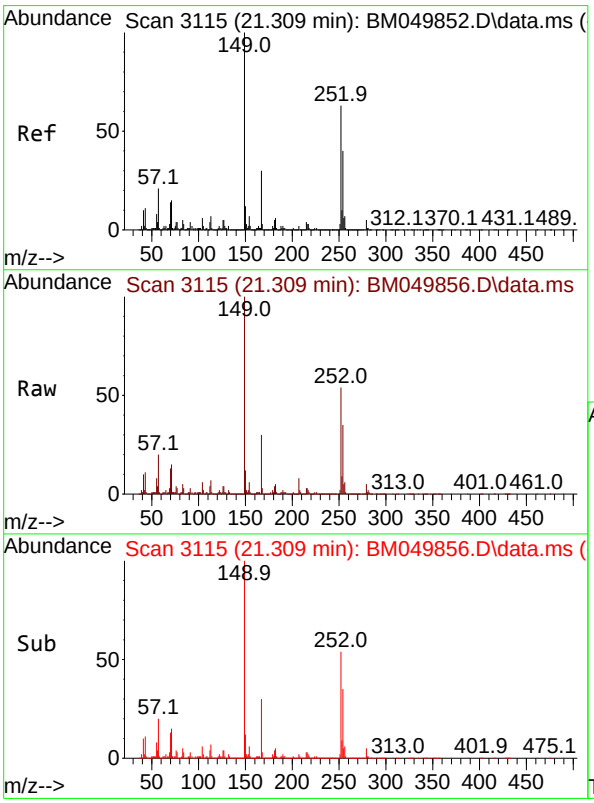
#83
Chrysene
Concen: 41.037 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:228 Resp: 3564842

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	19.5	15.8	23.6

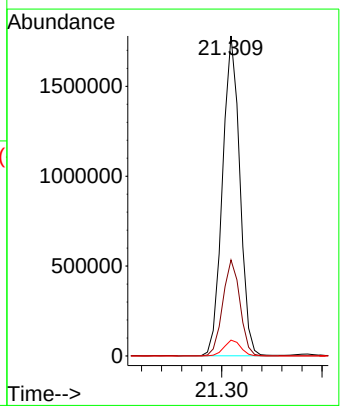


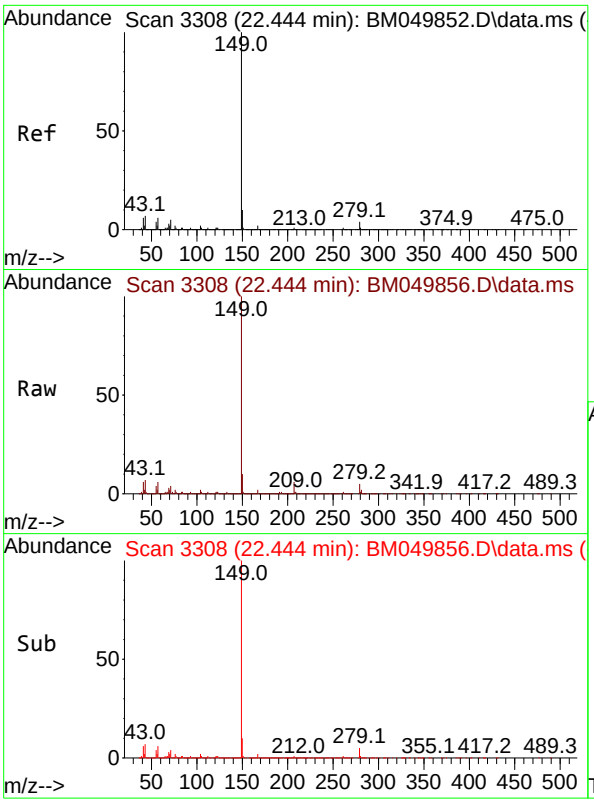


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.067 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 2130265

Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.8	35.6
279	5.0	3.8	5.8



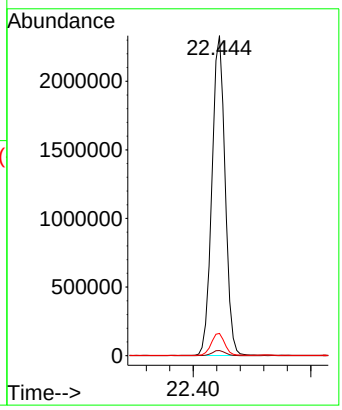


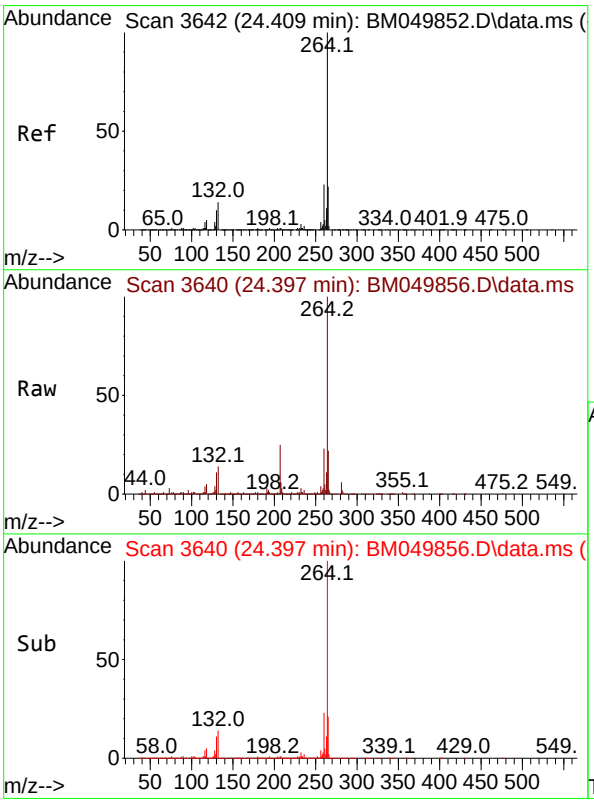
#85
Di-n-octyl phthalate
Concen: 39.835 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:149 Resp: 3614929

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.6

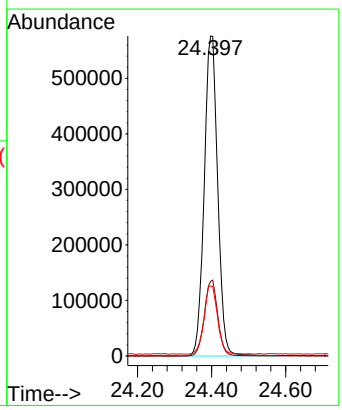


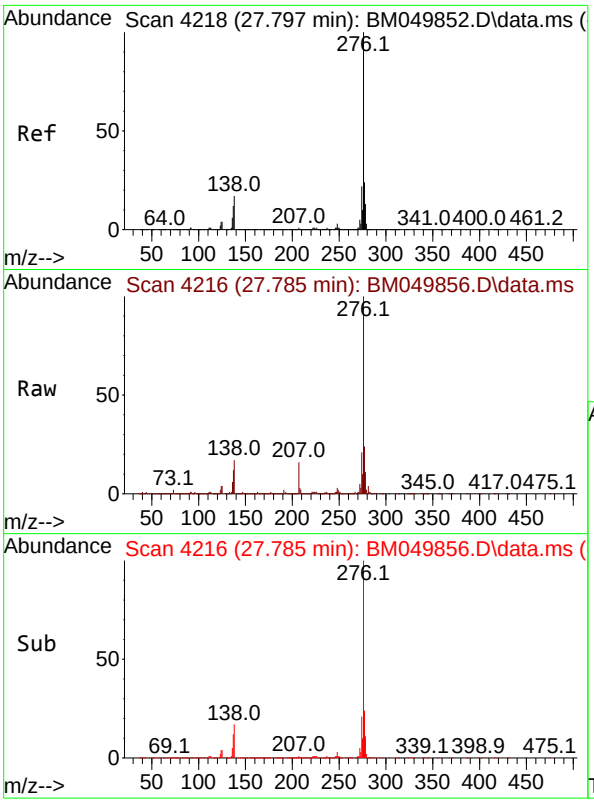


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:264 Resp: 1454417

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.9	17.8	26.8



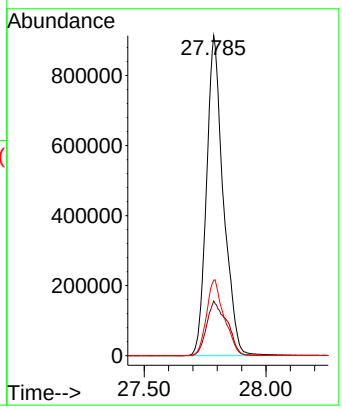


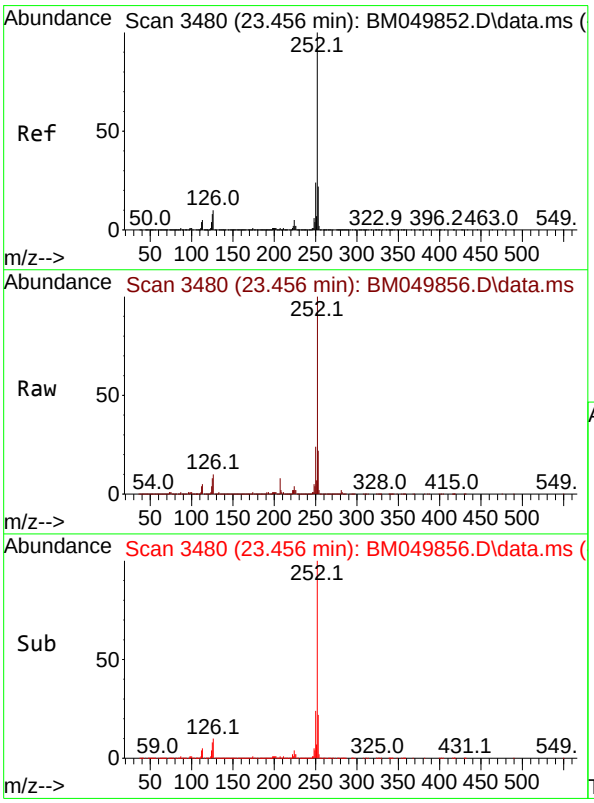
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.380 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:276 Resp: 4377775

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.8	25.2
277	25.0	20.1	30.1

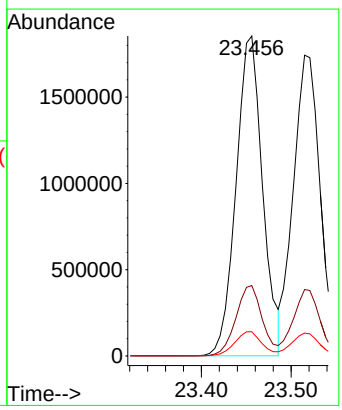


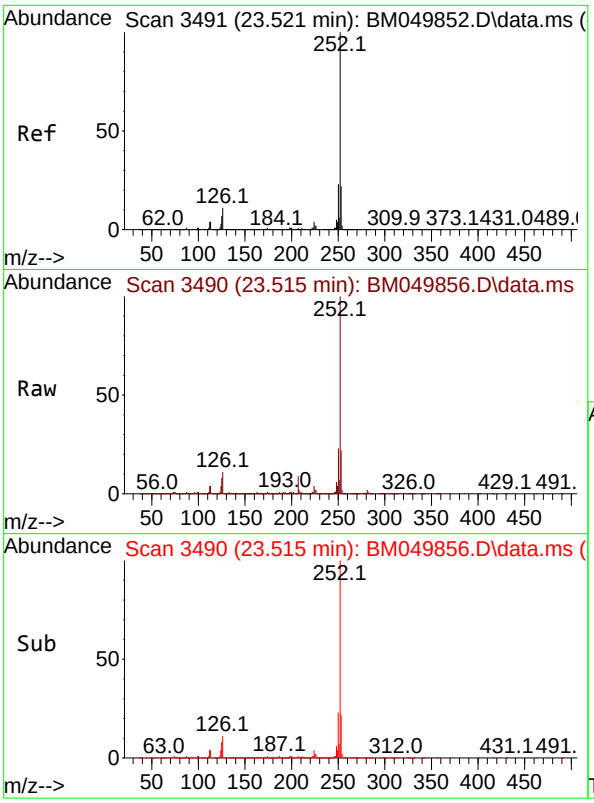


#88
Benzo(b)fluoranthene
Concen: 40.988 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 3807278

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.6	6.2	9.4



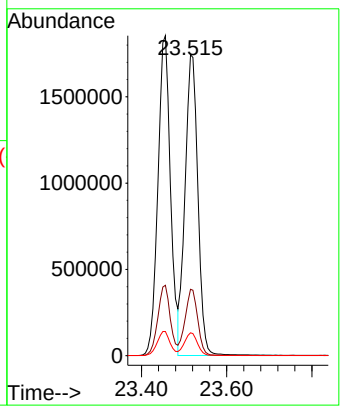


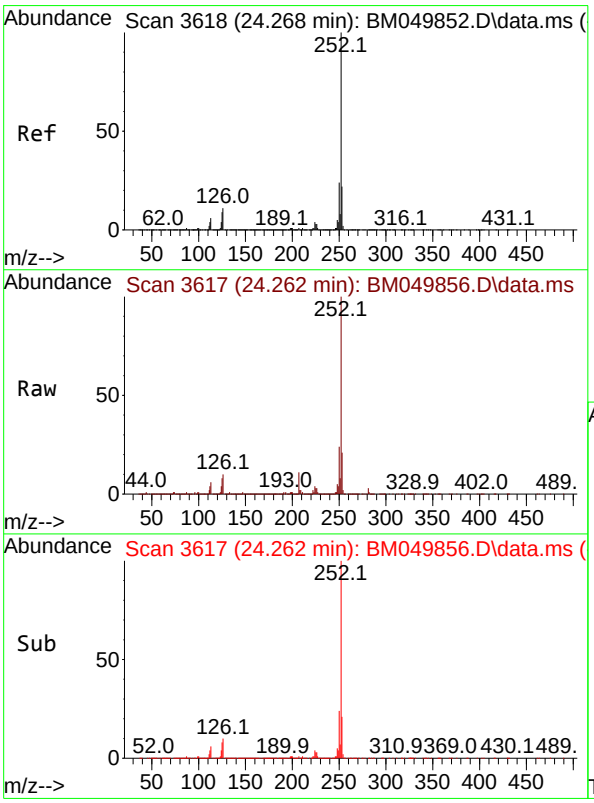
#89
Benzo(k)fluoranthene
Concen: 40.442 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:252 Resp: 3640395

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.6	5.8	8.8

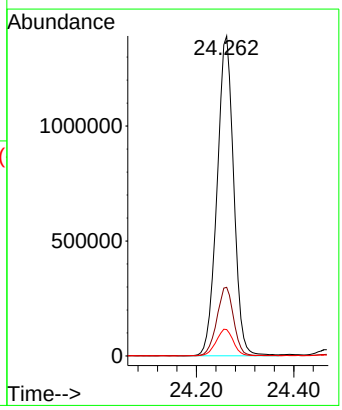


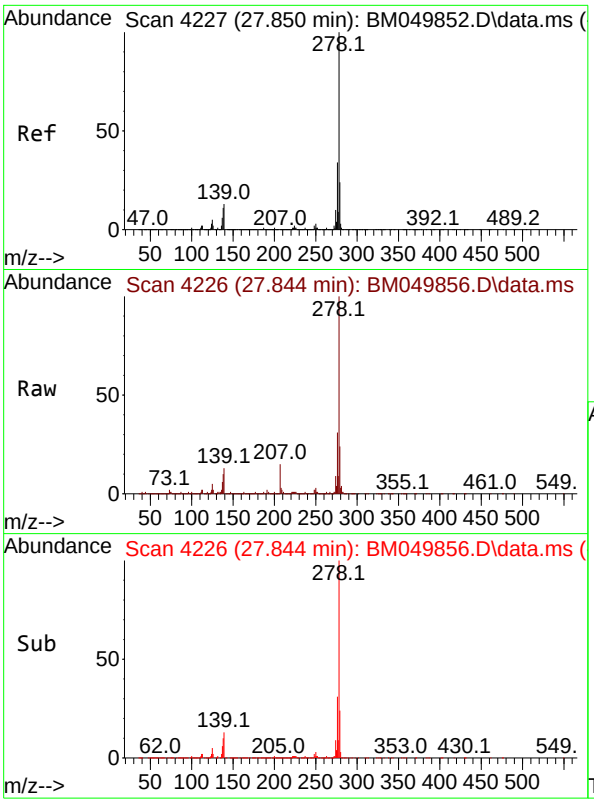


#90
Benzo(a)pyrene
Concen: 40.389 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 3296735

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	8.3	7.0	10.4



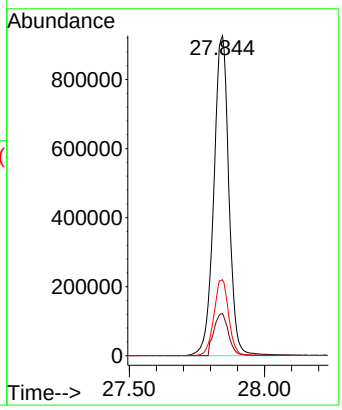


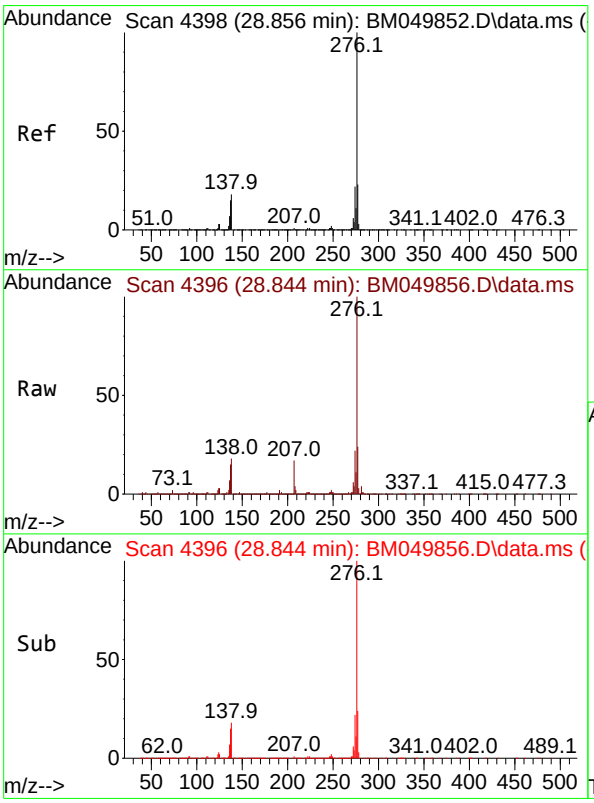
#91
Dibenzo(a,h)anthracene
Concen: 40.189 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:278 Resp: 3588859

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	15.8
279	23.7	19.1	28.7

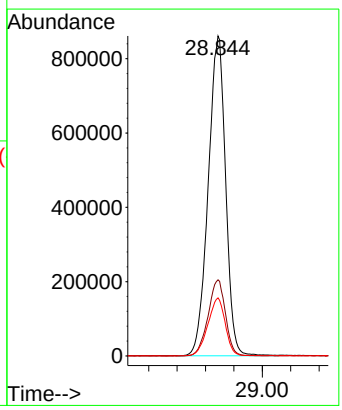




#92
Benzo(g,h,i)perylene
Concen: 40.085 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:276 Resp: 3657794

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	18.2	14.6	21.8



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	104	0.00
2		1,4-Dioxane	0.485	0.474	2.3	101	0.00
3		Pyridine	1.274	1.250	1.9	101	0.00
4		n-Nitrosodimethylamine	0.485	0.479	1.2	102	0.00
5	S	2-Fluorophenol	1.178	1.171	0.6	103	0.00
6		Aniline	1.256	1.307	-4.1	103	0.00
7	S	Phenol-d6	1.465	1.461	0.3	102	0.00
8		2-Chlorophenol	1.207	1.203	0.3	103	0.00
9		Benzaldehyde	0.752	0.759	-0.9	106	0.00
10	C	Phenol	1.430	1.420	0.7	103	0.00
11		bis(2-Chloroethyl)ether	1.121	1.118	0.3	103	0.00
12		1,3-Dichlorobenzene	1.427	1.423	0.3	103	0.00
13	C	1,4-Dichlorobenzene	1.436	1.424	0.8	102	0.00
14		1,2-Dichlorobenzene	1.352	1.356	-0.3	103	0.00
15		Benzyl Alcohol	0.923	0.929	-0.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.249	0.1	103	0.00
17		2-Methylphenol	0.881	0.883	-0.2	103	0.00
18		Hexachloroethane	0.500	0.496	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.833	-2.6	104	0.00
20		3+4-Methylphenols	1.201	1.205	-0.3	103	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
22		Acetophenone	0.486	0.500	-2.9	104	0.00
23	S	Nitrobenzene-d5	0.359	0.371	-3.3	105	0.00
24		Nitrobenzene	0.346	0.352	-1.7	103	0.00
25		Isophorone	0.602	0.619	-2.8	104	0.00
26	C	2-Nitrophenol	0.183	0.190	-3.8	104	0.00
27		2,4-Dimethylphenol	0.208	0.213	-2.4	104	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.412	-2.2	104	0.00
29	C	2,4-Dichlorophenol	0.345	0.356	-3.2	105	0.00
30		1,2,4-Trichlorobenzene	0.399	0.404	-1.3	104	0.00
31		Naphthalene	1.028	1.043	-1.5	104	0.00
32		Benzoic acid	0.220	0.258	-17.3	116	0.01
33		4-Chloroaniline	0.363	0.383	-5.5	104	0.00
34	C	Hexachlorobutadiene	0.247	0.251	-1.6	105	0.00
35		Caprolactam	0.099	0.103	-4.0	105	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.315	-4.3	106	0.00
37		2-Methylnaphthalene	0.724	0.745	-2.9	105	0.00
38		1-Methylnaphthalene	0.705	0.721	-2.3	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.712	-1.7	107	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.255	-4.1	102	0.00
42	S	2,4,6-Tribromophenol	0.291	0.304	-4.5	110	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.460	-3.4	106	0.00
44		2,4,5-Trichlorophenol	0.484	0.501	-3.5	106	0.00
45	S	2-Fluorobiphenyl	1.475	1.517	-2.8	106	0.00
46		1,1'-Biphenyl	1.487	1.527	-2.7	106	0.00
47		2-Chloronaphthalene	1.169	1.190	-1.8	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.270	0.283	-4.8	106	0.00
49		Acenaphthylene	1.702	1.758	-3.3	107	0.00
50		Dimethylphthalate	1.411	1.467	-4.0	108	0.00
51		2,6-Dinitrotoluene	0.296	0.315	-6.4	108	0.00
52	C	Acenaphthene	1.083	1.124	-3.8	107	0.00
53		3-Nitroaniline	0.286	0.315	-10.1	108	0.00
54	P	2,4-Dinitrophenol	0.175	0.191	-9.1	110	0.00
55		Dibenzofuran	1.810	1.882	-4.0	108	0.00
56	P	4-Nitrophenol	0.255	0.278	-9.0	109	0.00
57		2,4-Dinitrotoluene	0.394	0.430	-9.1	108	0.00
58		Fluorene	1.439	1.501	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.442	-4.2	110	0.00
60		Diethylphthalate	1.353	1.415	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	0.771	0.810	-5.1	109	0.00
62		4-Nitroaniline	0.295	0.325	-10.2	108	0.00
63		Azobenzene	1.158	1.213	-4.7	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	107	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.615	-2.7	108	0.00
67		4-Bromophenyl-phenylether	0.232	0.238	-2.6	109	0.00
68		Hexachlorobenzene	0.266	0.272	-2.3	109	0.00
69		Atrazine	0.155	0.128	17.4	108	0.00
70	C	Pentachlorophenol	0.196	0.199	-1.5	106	0.00
71		Phenanthrene	1.096	1.132	-3.3	109	0.00
72		Anthracene	1.081	1.121	-3.7	109	0.00
73		Carbazole	1.018	1.054	-3.5	109	0.00
74		Di-n-butylphthalate	1.172	1.194	-1.9	107	0.00
75	C	Fluoranthene	1.348	1.393	-3.3	110	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.265	0.251	5.3	67	0.00
78		Pyrene	1.378	1.429	-3.7	109	0.00
79	S	Terphenyl-d14	1.067	1.213	-13.7	110	0.00
80		Butylbenzylphthalate	0.518	0.528	-1.9	106	0.00
81		Benzo(a)anthracene	1.329	1.373	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	0.502	0.511	-1.8	105	0.00
83		Chrysene	1.264	1.296	-2.5	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.775	-2.6	106	0.00
85	c	Di-n-octyl phthalate	1.320	1.315	0.4	104	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.505	-0.9	105	-0.01
88		Benzo(b)fluoranthene	1.277	1.309	-2.5	105	0.00
89		Benzo(k)fluoranthene	1.238	1.251	-1.1	106	0.00
90	C	Benzo(a)pyrene	1.122	1.133	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	1.228	1.234	-0.5	104	0.00
92		Benzo(g,h,i)perylene	1.255	1.257	-0.2	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	104	0.00
2		1,4-Dioxane	40.000	39.056	2.4	101	0.00
3		Pyridine	40.000	39.231	1.9	101	0.00
4		n-Nitrosodimethylamine	40.000	39.502	1.2	102	0.00
5	S	2-Fluorophenol	80.000	79.537	0.6	103	0.00
6		Aniline	40.000	41.621	-4.1	103	0.00
7	S	Phenol-d6	80.000	79.779	0.3	102	0.00
8		2-Chlorophenol	40.000	39.865	0.3	103	0.00
9		Benzaldehyde	40.000	40.391	-1.0	106	0.00
10	C	Phenol	40.000	39.708	0.7	103	0.00
11		bis(2-Chloroethyl)ether	40.000	39.877	0.3	103	0.00
12		1,3-Dichlorobenzene	40.000	39.874	0.3	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.681	0.8	102	0.00
14		1,2-Dichlorobenzene	40.000	40.092	-0.2	103	0.00
15		Benzyl Alcohol	40.000	40.260	-0.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.960	0.1	103	0.00
17		2-Methylphenol	40.000	40.092	-0.2	103	0.00
18		Hexachloroethane	40.000	39.677	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.040	-2.6	104	0.00
20		3+4-Methylphenols	40.000	40.132	-0.3	103	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	104	0.00
22		Acetophenone	40.000	41.119	-2.8	104	0.00
23	S	Nitrobenzene-d5	80.000	82.580	-3.2	105	0.00
24		Nitrobenzene	40.000	40.732	-1.8	103	0.00
25		Isophorone	40.000	41.165	-2.9	104	0.00
26	C	2-Nitrophenol	40.000	41.481	-3.7	104	0.00
27		2,4-Dimethylphenol	40.000	41.022	-2.6	104	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.868	-2.2	104	0.00
29	C	2,4-Dichlorophenol	40.000	41.249	-3.1	105	0.00
30		1,2,4-Trichlorobenzene	40.000	40.409	-1.0	104	0.00
31		Naphthalene	40.000	40.582	-1.5	104	0.00
32		Benzoic acid	40.000	41.427	-3.6	116	0.01
33		4-Chloroaniline	40.000	42.177	-5.4	104	0.00
34	C	Hexachlorobutadiene	40.000	40.688	-1.7	105	0.00
35		Caprolactam	40.000	41.519	-3.8	105	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.604	-4.0	106	0.00
37		2-Methylnaphthalene	40.000	41.181	-3.0	105	0.00
38		1-Methylnaphthalene	40.000	40.865	-2.2	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.724	-1.8	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.571	-3.9	102	0.00
42	S	2,4,6-Tribromophenol	80.000	83.550	-4.4	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.361	-3.4	106	0.00
44		2,4,5-Trichlorophenol	40.000	41.410	-3.5	106	0.00
45	S	2-Fluorobiphenyl	80.000	82.271	-2.8	106	0.00
46		1,1'-Biphenyl	40.000	41.097	-2.7	106	0.00
47		2-Chloronaphthalene	40.000	40.719	-1.8	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	41.831	-4.6	106	0.00
49		Acenaphthylene	40.000	41.321	-3.3	107	0.00
50		Dimethylphthalate	40.000	41.593	-4.0	108	0.00
51		2,6-Dinitrotoluene	40.000	42.625	-6.6	108	0.00
52	C	Acenaphthene	40.000	41.534	-3.8	107	0.00
53		3-Nitroaniline	40.000	44.041	-10.1	108	0.00
54	P	2,4-Dinitrophenol	40.000	39.689	0.8	110	0.00
55		Dibenzofuran	40.000	41.581	-4.0	108	0.00
56	P	4-Nitrophenol	40.000	43.685	-9.2	109	0.00
57		2,4-Dinitrotoluene	40.000	43.627	-9.1	108	0.00
58		Fluorene	40.000	41.729	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.690	-4.2	110	0.00
60		Diethylphthalate	40.000	41.839	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	40.000	41.984	-5.0	109	0.00
62		4-Nitroaniline	40.000	44.058	-10.1	108	0.00
63		Azobenzene	40.000	41.869	-4.7	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.037	-2.6	107	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.081	-2.7	108	0.00
67		4-Bromophenyl-phenylether	40.000	41.024	-2.6	109	0.00
68		Hexachlorobenzene	40.000	40.782	-2.0	109	0.00
69		Atrazine	40.000	32.937	17.7	108	0.00
70	C	Pentachlorophenol	40.000	40.626	-1.6	106	0.00
71		Phenanthrene	40.000	41.280	-3.2	109	0.00
72		Anthracene	40.000	41.490	-3.7	109	0.00
73		Carbazole	40.000	41.424	-3.6	109	0.00
74		Di-n-butylphthalate	40.000	40.739	-1.8	107	0.00
75	C	Fluoranthene	40.000	41.327	-3.3	110	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	37.866	5.3	67	0.00
78		Pyrene	40.000	41.482	-3.7	109	0.00
79	S	Terphenyl-d14	80.000	90.949	-13.7	110	0.00
80		Butylbenzylphthalate	40.000	40.807	-2.0	106	0.00
81		Benzo(a)anthracene	40.000	41.314	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	40.000	40.707	-1.8	105	0.00
83		Chrysene	40.000	41.037	-2.6	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.067	-2.7	106	0.00
85	c	Di-n-octyl phthalate	40.000	39.835	0.4	104	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.380	-1.0	105	-0.01
88		Benzo(b)fluoranthene	40.000	40.988	-2.5	105	0.00
89		Benzo(k)fluoranthene	40.000	40.442	-1.1	106	0.00
90	C	Benzo(a)pyrene	40.000	40.389	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	40.000	40.189	-0.5	104	0.00
92		Benzo(g,h,i)perylene	40.000	40.085	-0.2	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BM049859.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date/Time: 04/09/2025 09:09

Lab File ID: BM049859.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.196		1.5	
Benzaldehyde	0.752	0.661		-12.1	
Phenol-d6	1.465	1.508		2.9	
Phenol	1.430	1.460		2.1	20.0
bis(2-Chloroethyl)ether	1.121	1.160		3.5	
2-Chlorophenol	1.207	1.229		1.8	
2-Methylphenol	0.881	0.897		1.8	
2,2-oxybis(1-Chloropropane)	1.250	1.279		2.3	
Acetophenone	0.486	0.499		2.7	
3+4-Methylphenols	1.201	1.214		1.1	
n-Nitroso-di-n-propylamine	0.812	0.846	0.050	4.2	
Nitrobenzene-d5	0.359	0.370		3.1	
Hexachloroethane	0.500	0.504		0.8	
Nitrobenzene	0.346	0.354		2.3	
Isophorone	0.602	0.610		1.3	
2-Nitrophenol	0.183	0.186		1.6	20.0
2,4-Dimethylphenol	0.208	0.214		2.9	
bis(2-Chloroethoxy)methane	0.403	0.417		3.5	
2,4-Dichlorophenol	0.345	0.348		0.9	20.0
Naphthalene	1.028	1.045		1.7	
4-Chloroaniline	0.363	0.379		4.4	
Hexachlorobutadiene	0.247	0.252		2.0	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.302	0.306		1.3	20.0
2-Methylnaphthalene	0.724	0.748		3.3	
Hexachlorocyclopentadiene	0.245	0.263	0.050	7.3	
2,4,6-Trichlorophenol	0.445	0.457		2.7	20.0
2-Fluorobiphenyl	1.475	1.541		4.5	
2,4,5-Trichlorophenol	0.484	0.490		1.2	
1,1-Biphenyl	1.487	1.543		3.8	
2-Chloronaphthalene	1.169	1.198		2.5	
2-Nitroaniline	0.270	0.281		4.1	
Dimethylphthalate	1.411	1.453		3.0	
Acenaphthylene	1.702	1.748		2.7	
2,6-Dinitrotoluene	0.296	0.310		4.7	
3-Nitroaniline	0.286	0.305		6.6	
Acenaphthene	1.083	1.114		2.9	20.0
2,4-Dinitrophenol	0.175	0.181	0.050	3.4	
4-Nitrophenol	0.255	0.271	0.050	6.3	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date/Time: 04/09/2025 09:09

Lab File ID: BM049859.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.810	1.863		2.9	
2,4-Dinitrotoluene	0.394	0.418		6.1	
Diethylphthalate	1.353	1.394		3.0	
4-Chlorophenyl-phenylether	0.771	0.808		4.8	
Fluorene	1.439	1.500		4.2	
4-Nitroaniline	0.295	0.317		7.5	
4,6-Dinitro-2-methylphenol	0.126	0.128		1.6	
n-Nitrosodiphenylamine	0.599	0.620		3.5	20.0
2,4,6-Tribromophenol	0.291	0.294		1.0	
4-Bromophenyl-phenylether	0.232	0.238		2.6	
Hexachlorobenzene	0.266	0.274		3.0	
Atrazine	0.155	0.137		-11.6	
Pentachlorophenol	0.196	0.192		-2.0	20.0
Phenanthrene	1.096	1.136		3.7	
Anthracene	1.081	1.120		3.6	
Carbazole	1.018	1.055		3.6	
Di-n-butylphthalate	1.172	1.208		3.1	
Fluoranthene	1.348	1.391		3.2	20.0
Pyrene	1.378	1.446		4.9	
Terphenyl-d14	1.067	1.223		14.6	
Butylbenzylphthalate	0.518	0.527		1.7	
3,3-Dichlorobenzidine	0.502	0.507		1.0	
Benzo(a)anthracene	1.329	1.372		3.2	
Chrysene	1.264	1.297		2.6	
Bis(2-ethylhexyl)phthalate	0.755	0.791		4.8	
Di-n-octyl phthalate	1.320	1.321		0.1	20.0
Benzo(b)fluoranthene	1.277	1.298		1.6	
Benzo(k)fluoranthene	1.238	1.290		4.2	
Benzo(a)pyrene	1.122	1.138		1.4	20.0
Indeno(1,2,3-cd)pyrene	1.491	1.514		1.5	
Dibenzo(a,h)anthracene	1.228	1.243		1.2	
Benzo(g,h,i)perylene	1.255	1.265		0.8	
1,2,4,5-Tetrachlorobenzene	0.700	0.722		3.1	
1,4-Dioxane	0.485	0.491		1.2	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.427		0.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	296698	20.000	ng		0.00
21) Naphthalene-d8	10.569	136	1015269	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	639621	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1259632	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1253559	20.000	ng		0.00
86) Perylene-d12	24.397	264	1316817	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1419493	81.241	ng		0.00
7) Phenol-d6	6.951	99	1790241	82.351	ng		0.00
23) Nitrobenzene-d5	8.934	82	1503388	82.457	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	753144	80.953	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	3942276	83.577	ng		0.00
79) Terphenyl-d14	19.786	244	6133685	91.698	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	291398	40.495	ng		99
3) Pyridine	3.663	79	753004	39.829	ng		100
4) n-Nitrosodimethylamine	3.569	42	296600	41.224	ng		96
6) Aniline	7.104	93	796200	42.743	ng		99
8) 2-Chlorophenol	7.346	128	729446	40.737	ng		100
9) Benzaldehyde	6.916	77	392292	35.165	ng		99
10) Phenol	6.975	94	866162	40.829	ng		98
11) bis(2-Chloroethyl)ether	7.198	93	688177	41.367	ng		100
12) 1,3-Dichlorobenzene	7.669	146	862092	40.722	ng		98
13) 1,4-Dichlorobenzene	7.810	146	864579	40.588	ng		98
14) 1,2-Dichlorobenzene	8.128	146	818032	40.772	ng		100
15) Benzyl Alcohol	8.016	79	554408	40.500	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	759071	40.937	ng		100
17) 2-Methylphenol	8.222	107	532364	40.722	ng		99
18) Hexachloroethane	8.857	117	299242	40.379	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	502308	41.719	ng		99
20) 3+4-Methylphenols	8.551	107	720564	40.429	ng		98
22) Acetophenone	8.598	105	1012423	41.032	ng	#	99
24) Nitrobenzene	8.975	77	719142	40.963	ng		98
25) Isophorone	9.504	82	1237624	40.521	ng		99
26) 2-Nitrophenol	9.687	139	378566	40.684	ng		98
27) 2,4-Dimethylphenol	9.751	122	434235	41.179	ng		98
28) bis(2-Chloroethoxy)met...	9.981	93	846304	41.389	ng		98
29) 2,4-Dichlorophenol	10.222	162	706425	40.301	ng		99
30) 1,2,4-Trichlorobenzene	10.434	180	817401	40.309	ng		98
31) Naphthalene	10.622	128	2122646	40.688	ng		99
32) Benzoic acid	9.881	122	489631	39.334	ng		98
33) 4-Chloroaniline	10.728	127	770178	41.809	ng		99
34) Hexachlorobutadiene	10.910	225	510989	40.738	ng		99
35) Caprolactam	11.510	113	197131	39.211	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	621964	40.507	ng		99
37) 2-Methylnaphthalene	12.233	142	1519024	41.327	ng		99
38) 1-Methylnaphthalene	12.457	142	1470447	41.064	ng		100
40) 1,2,4,5-Tetrachloroben...	12.610	216	923807	41.284	ng		99
41) Hexachlorocyclopentadiene	12.592	237	336985	42.977	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	584357	41.039	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

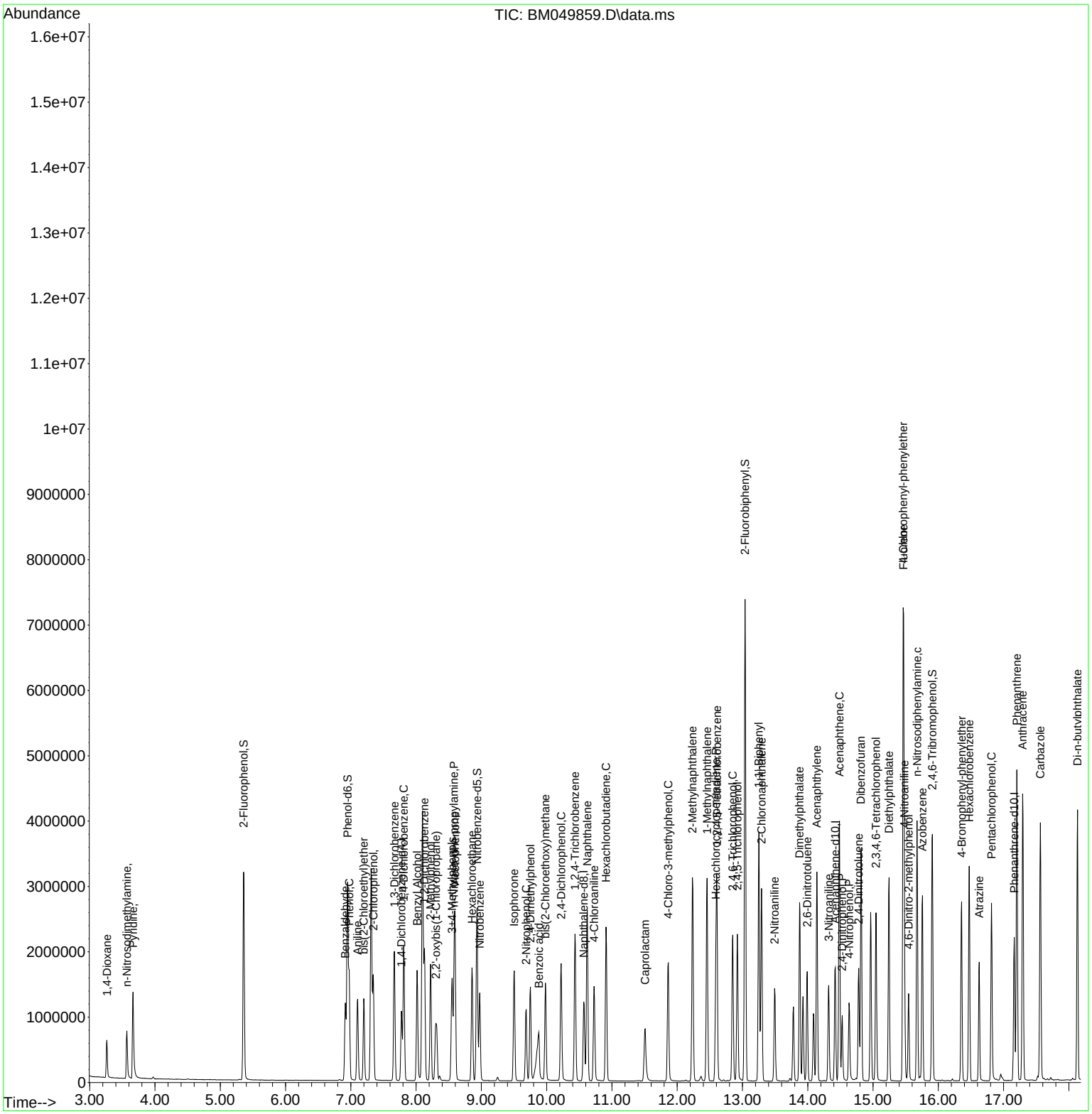
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	627159	40.530	ng	99
46) 1,1'-Biphenyl	13.251	154	1974373	41.524	ng	99
47) 2-Chloronaphthalene	13.292	162	1532791	41.015	ng	99
48) 2-Nitroaniline	13.492	65	359600	41.593	ng	97
49) Acenaphthylene	14.139	152	2235881	41.073	ng	100
50) Dimethylphthalate	13.874	163	1858623	41.189	ng	99
51) 2,6-Dinitrotoluene	13.992	165	397040	41.996	ng	100
52) Acenaphthene	14.486	154	1425611	41.171	ng	99
53) 3-Nitroaniline	14.322	138	390179	42.701	ng	97
54) 2,4-Dinitrophenol	14.527	184	232138	38.069	ng	98
55) Dibenzofuran	14.816	168	2383415	41.175	ng	100
56) 4-Nitrophenol	14.633	139	347174	42.636	ng	98
57) 2,4-Dinitrotoluene	14.780	165	534617	42.388	ng	98
58) Fluorene	15.469	166	1918474	41.695	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	545791	40.243	ng	99
60) Diethylphthalate	15.245	149	1783776	41.221	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1033755	41.905	ng	99
62) 4-Nitroaniline	15.480	138	405060	42.866	ng	98
63) Azobenzene	15.757	77	1547471	41.769	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	321288	40.477	ng	98
66) n-Nitrosodiphenylamine	15.674	169	1561601	41.426	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	598914	40.958	ng	98
68) Hexachlorobenzene	16.474	284	689312	41.097	ng	100
69) Atrazine	16.627	200	344885	35.286	ng	99
70) Pentachlorophenol	16.815	266	483011	39.115	ng	99
71) Phenanthrene	17.204	178	2860783	41.426	ng	100
72) Anthracene	17.292	178	2820342	41.442	ng	100
73) Carbazole	17.563	167	2656943	41.450	ng	100
74) Di-n-butylphthalate	18.133	149	3044210	41.232	ng	100
75) Fluoranthene	19.221	202	3503995	41.267	ng	99
77) Benzidine	19.404	184	1099441	66.111	ng	100
78) Pyrene	19.580	202	3626164	41.973	ng	99
80) Butylbenzylphthalate	20.486	149	1321828	40.718	ng	96
81) Benzo(a)anthracene	21.380	228	3439017	41.279	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1270196	40.373	ng	100
83) Chrysene	21.445	228	3252778	41.068	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	1982392	41.914	ng	99
85) Di-n-octyl phthalate	22.445	149	3312050	40.029	ng	100
87) Indeno(1,2,3-cd)pyrene	27.774	276	3987202	40.621	ng	100
88) Benzo(b)fluoranthene	23.450	252	3418004	40.642	ng	100
89) Benzo(k)fluoranthene	23.515	252	3398151	41.696	ng	99
90) Benzo(a)pyrene	24.256	252	2996579	40.548	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	3274793	40.504	ng	100
92) Benzo(g,h,i)perylene	28.838	276	3330873	40.316	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
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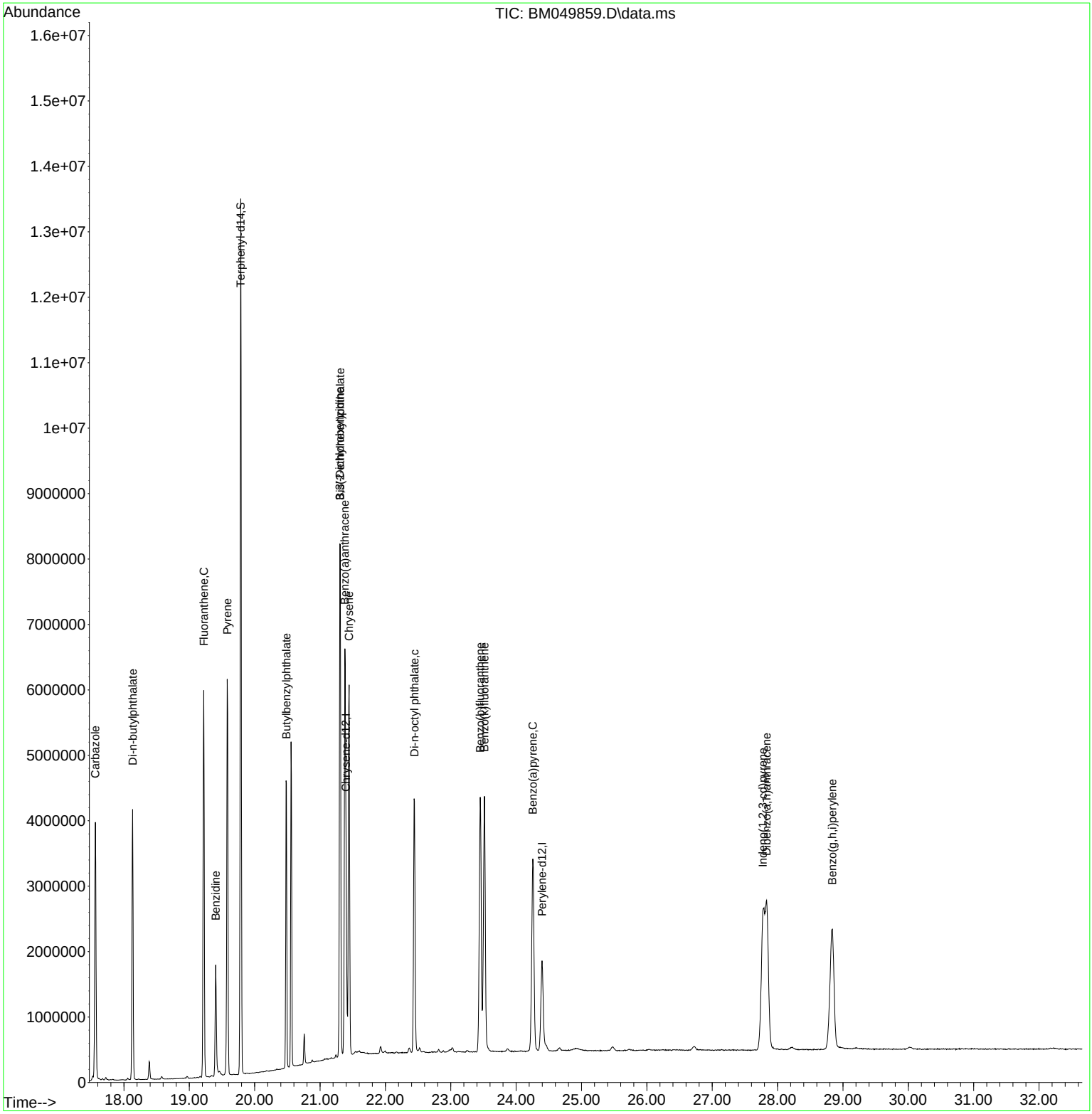
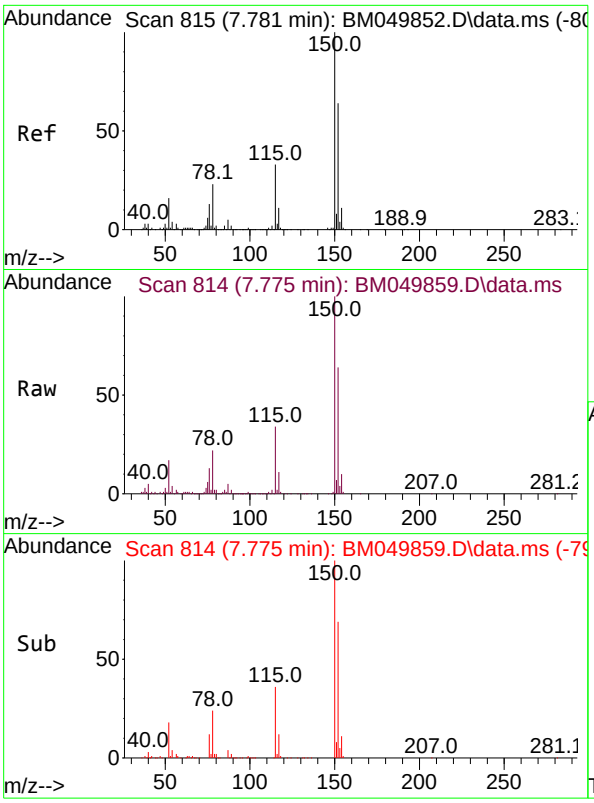


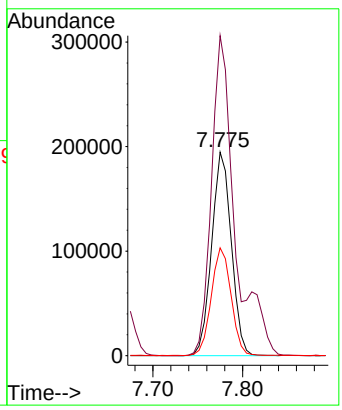


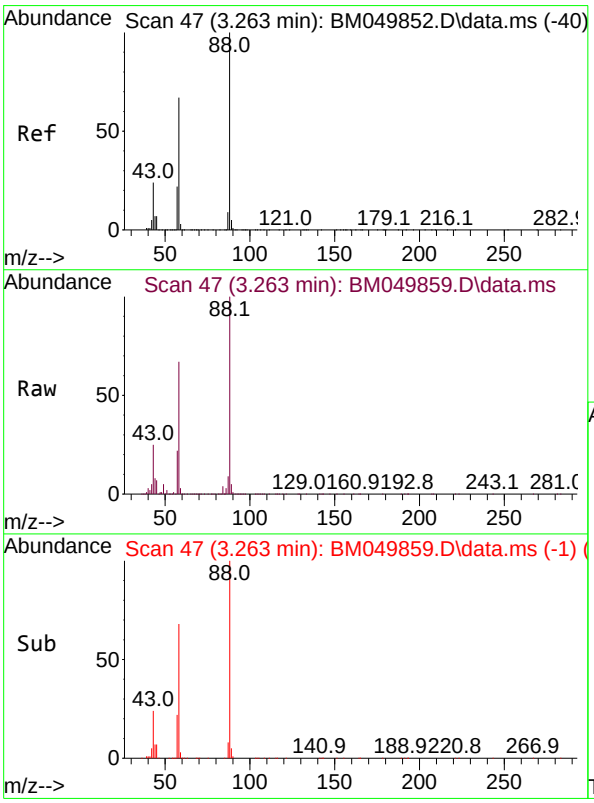
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 296698

Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.3	186.5
115	53.0	41.1	61.7

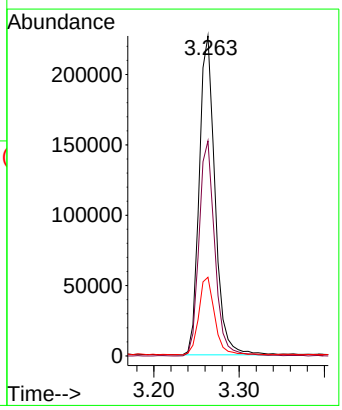


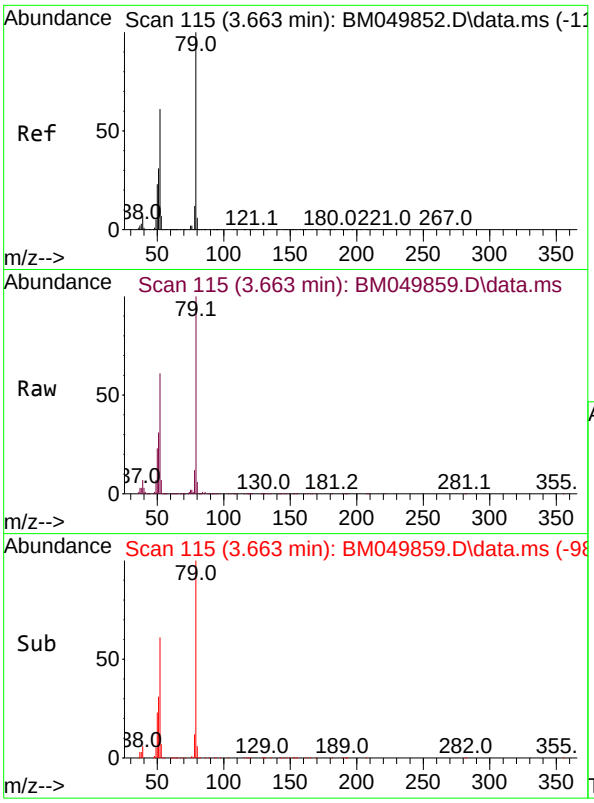


#2
1,4-Dioxane
Concen: 40.495 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 88 Resp: 291398

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.1	81.1
43	24.3	20.2	30.4



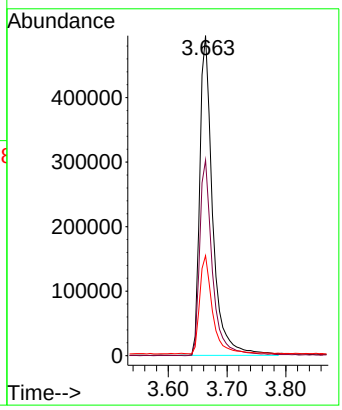


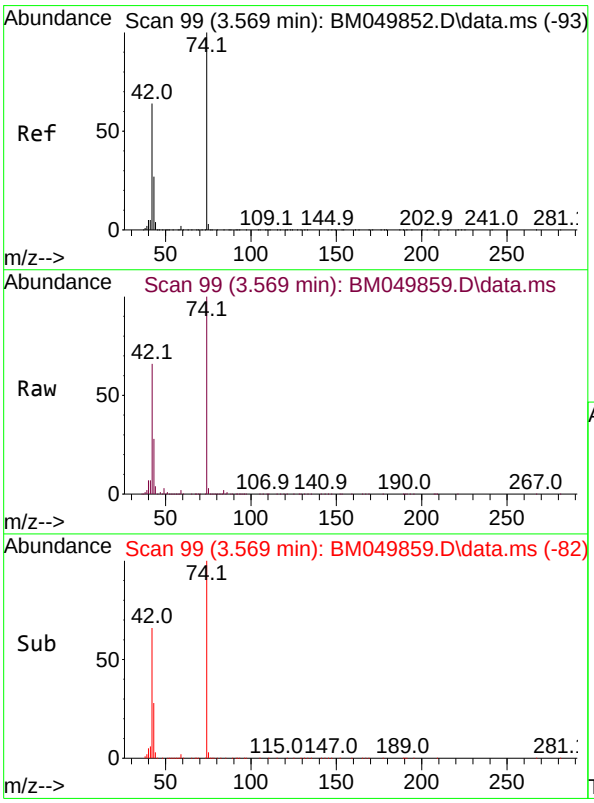
#3
Pyridine
Concen: 39.829 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 753004

Ion	Ratio	Lower	Upper
79	100		
52	61.1	48.9	73.3
51	31.3	25.0	37.6

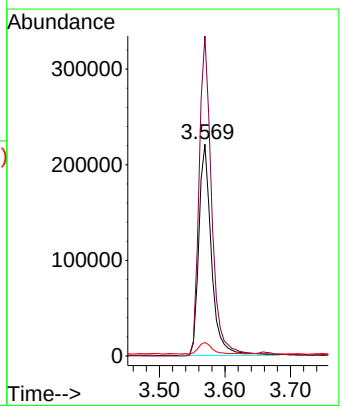


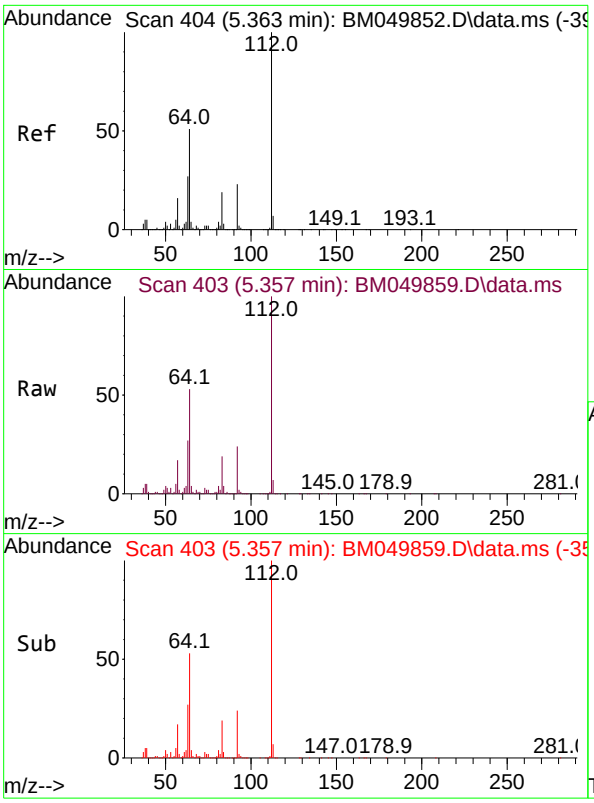


#4
n-Nitrosodimethylamine
Concen: 41.224 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 42 Resp: 296600

Ion	Ratio	Lower	Upper
42	100		
74	151.2	125.4	188.2
44	6.3	5.9	8.9



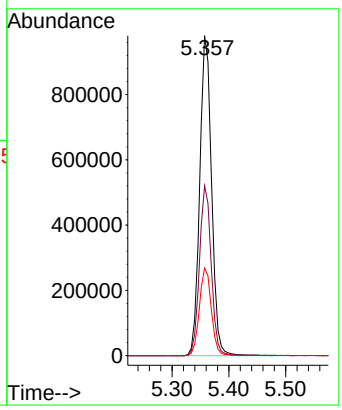


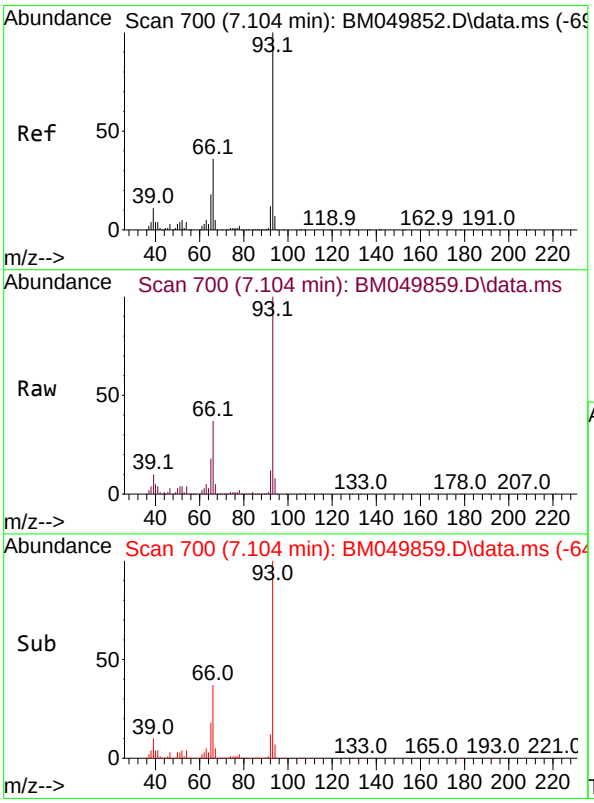
#5
2-Fluorophenol
Concen: 81.241 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1419493

Ion	Ratio	Lower	Upper
112	100		
64	53.1	41.0	61.6
63	27.4	21.5	32.3

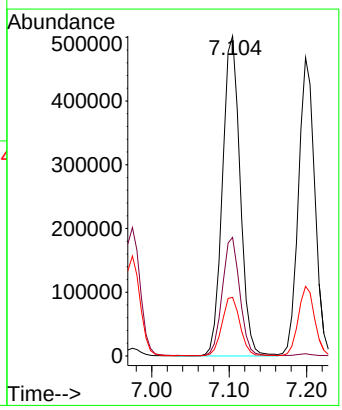


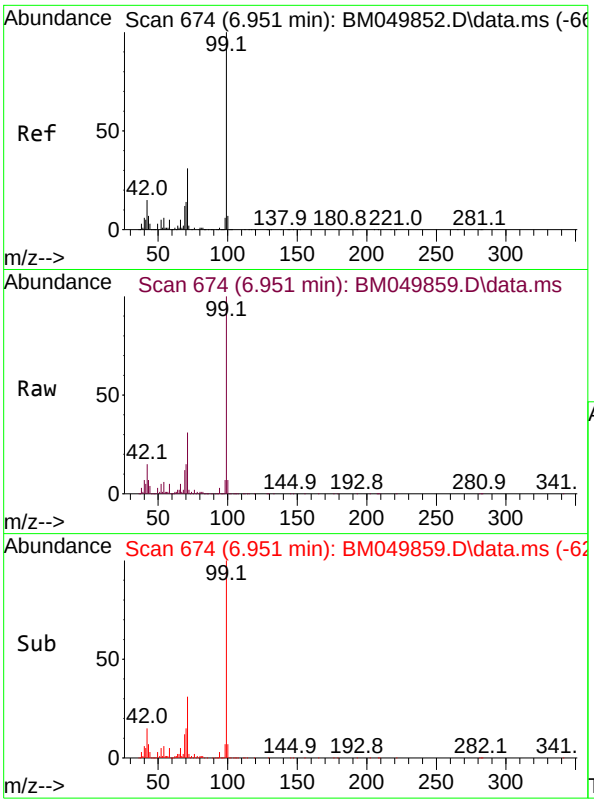


#6
Aniline
Concen: 42.743 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 93 Resp: 796200

Ion	Ratio	Lower	Upper
93	100		
66	37.0	29.1	43.7
65	18.3	14.9	22.3



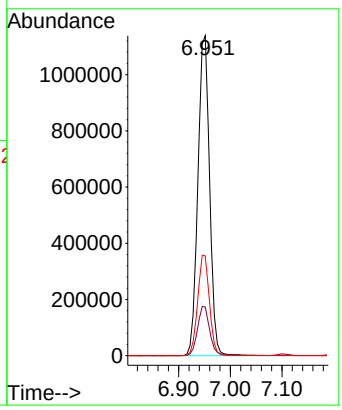


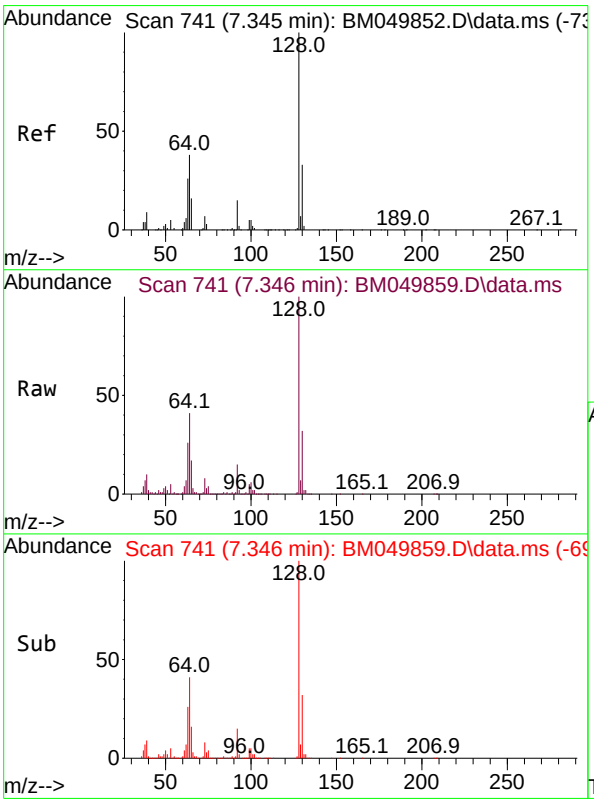
#7
Phenol-d6
Concen: 82.351 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1790241

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.1	18.1
71	31.2	24.9	37.3

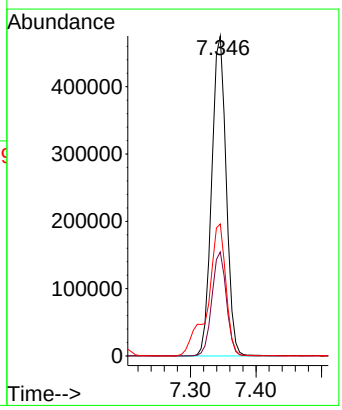


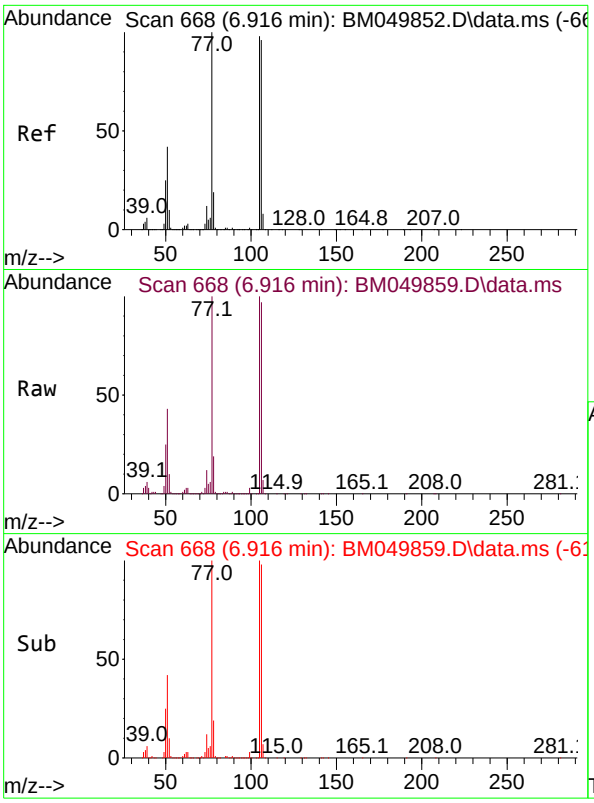


#8
2-Chlorophenol
Concen: 40.737 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:128 Resp: 729446

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	41.2	21.1	61.1



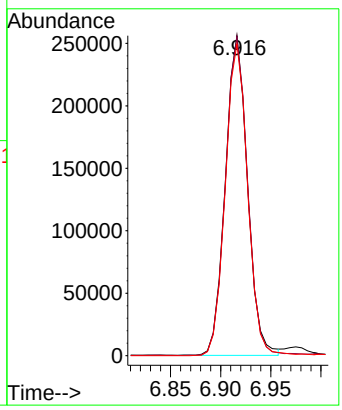


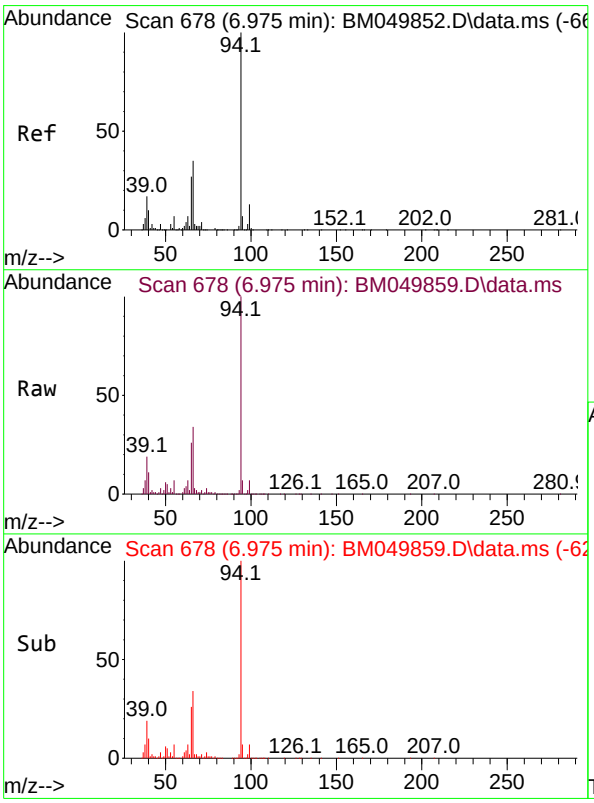
#9
Benzaldehyde
Concen: 35.165 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 392292

Ion	Ratio	Lower	Upper
77	100		
105	99.8	78.3	118.3
106	97.4	76.0	116.0

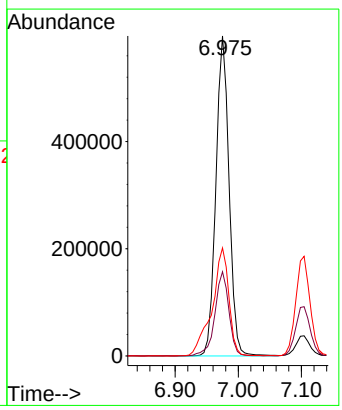


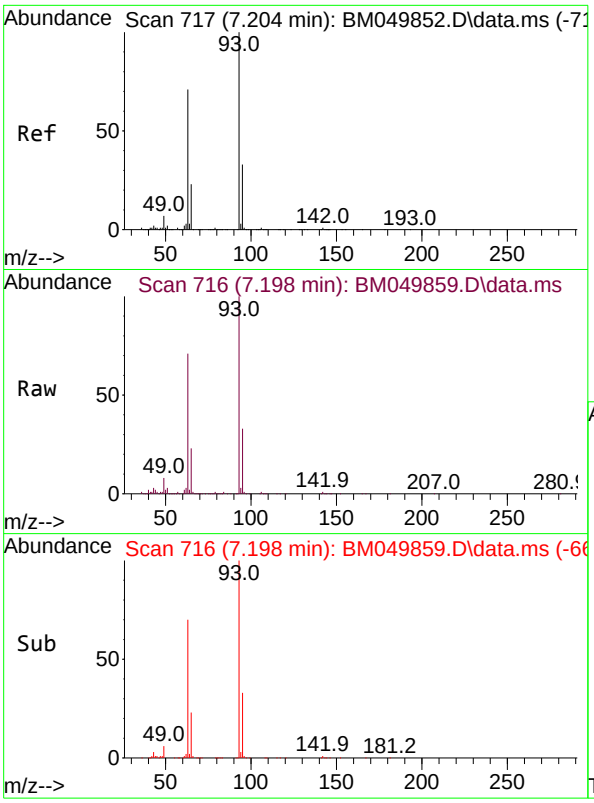


#10
Phenol
Concen: 40.829 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 94 Resp: 866162

Ion	Ratio	Lower	Upper
94	100		
65	26.3	7.3	47.3
66	33.8	14.8	54.8



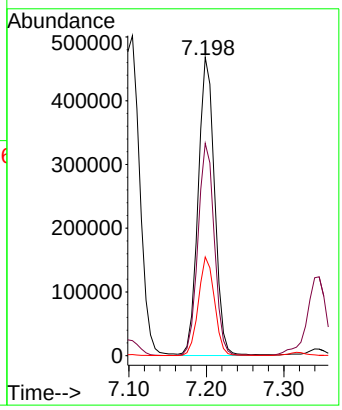


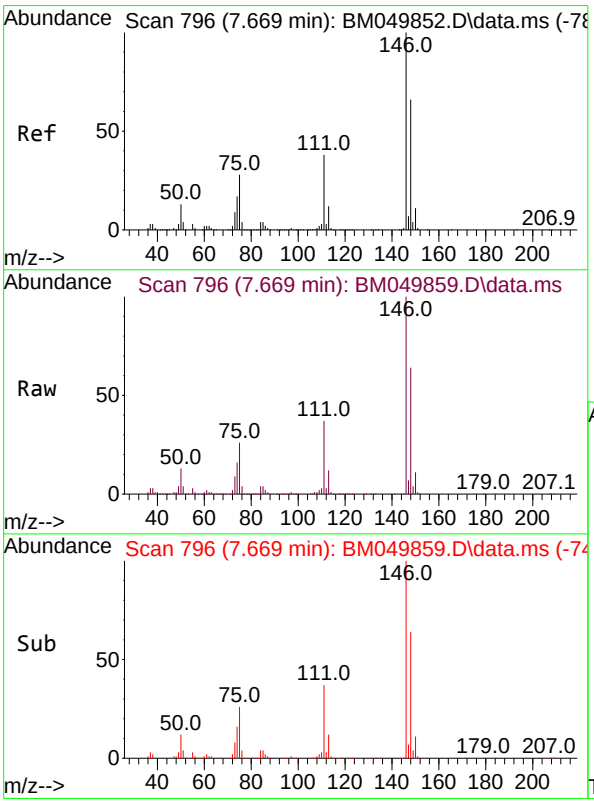
#11
bis(2-Chloroethyl)ether
Concen: 41.367 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 688177

Ion	Ratio	Lower	Upper
93	100		
63	71.2	50.9	90.9
95	33.1	12.6	52.6

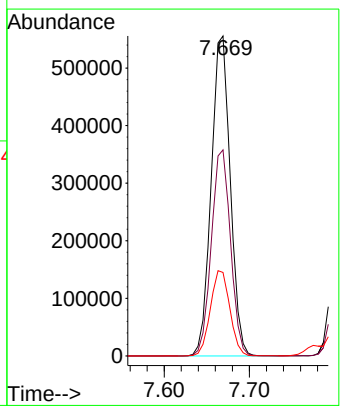


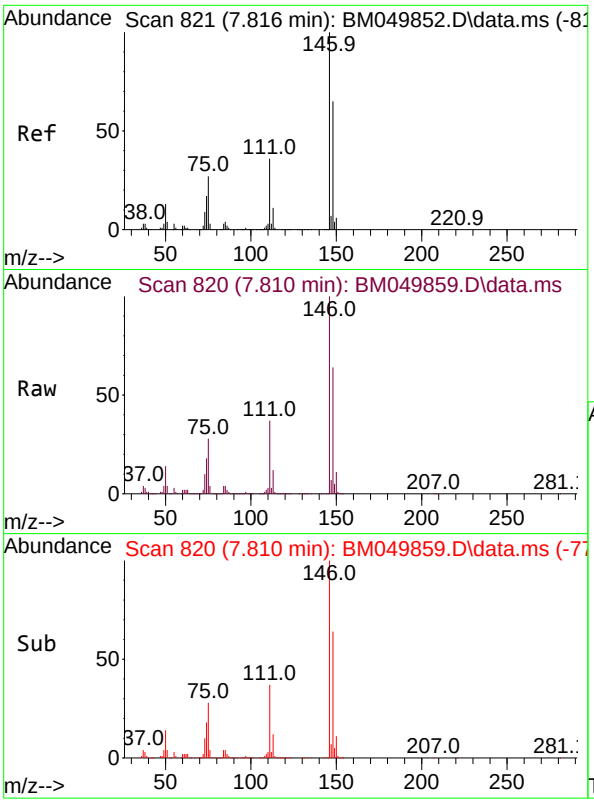


#12
1,3-Dichlorobenzene
Concen: 40.722 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:146 Resp: 862092

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.5	78.7
75	26.1	22.5	33.7



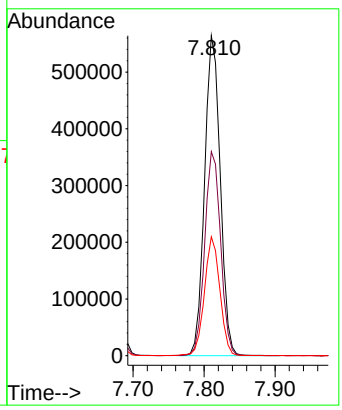


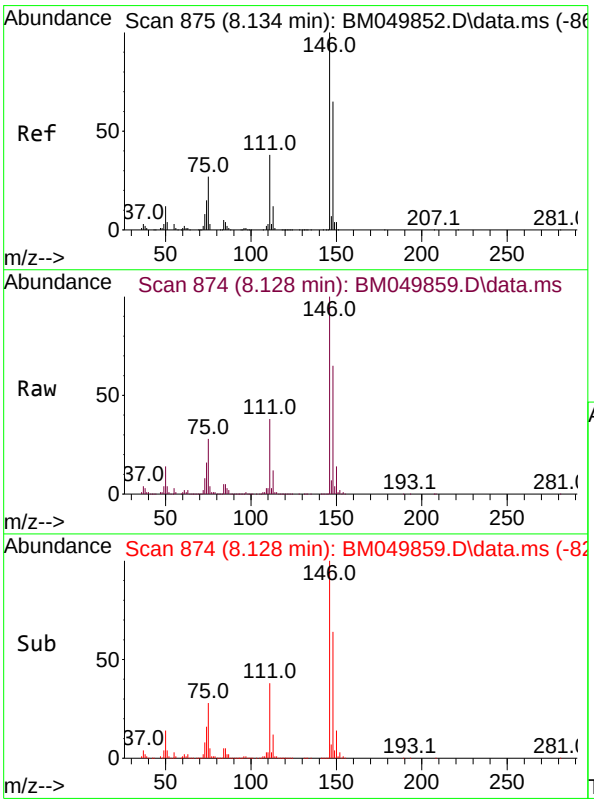
#13
1,4-Dichlorobenzene
Concen: 40.588 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 864579

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.4	78.6
111	37.1	28.5	42.7

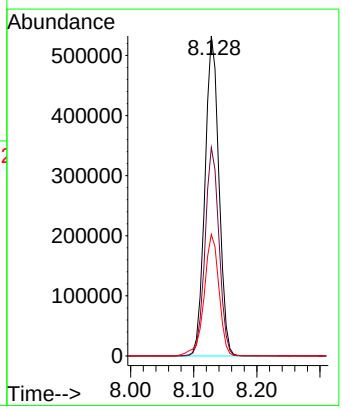


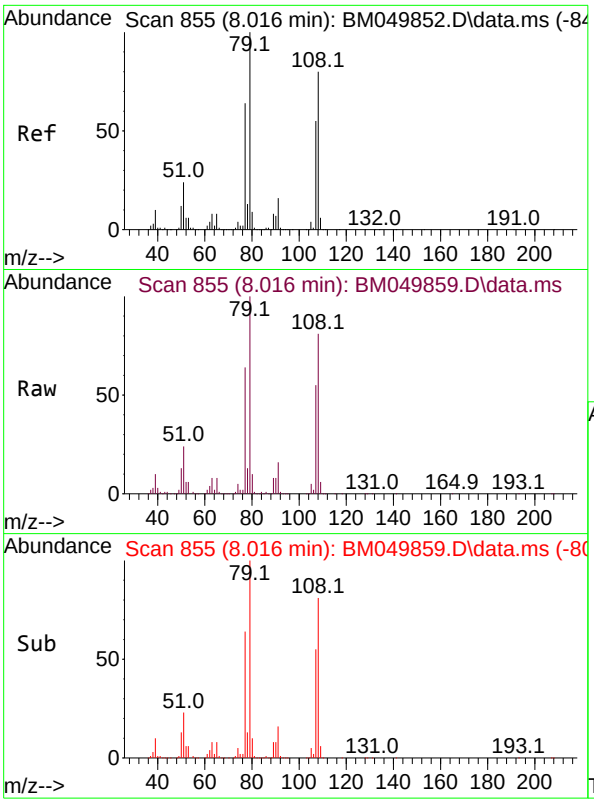


#14
1,2-Dichlorobenzene
Concen: 40.772 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:146 Resp: 818032

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.8
111	38.0	30.2	45.4



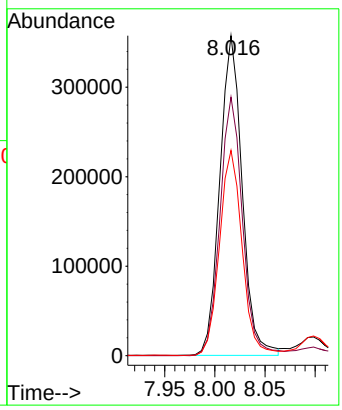


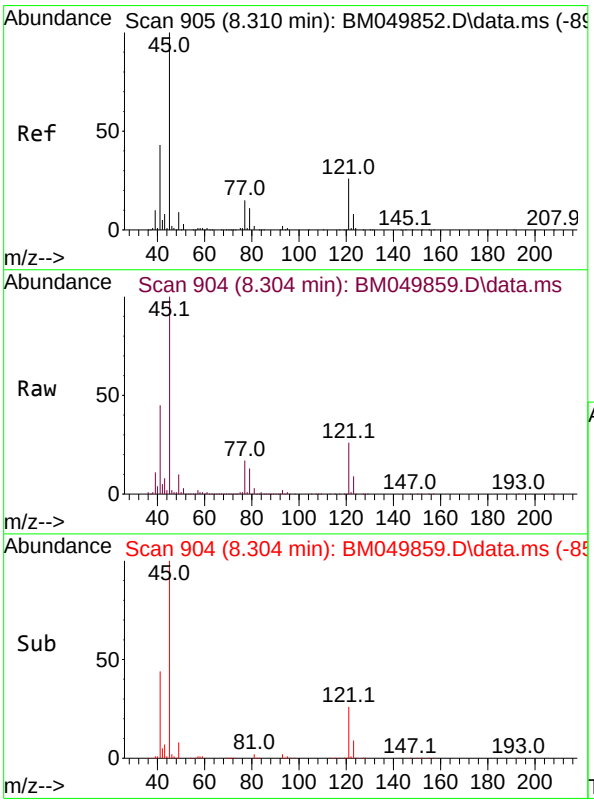
#15
Benzyl Alcohol
Concen: 40.500 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 554408

Ion	Ratio	Lower	Upper
79	100		
108	80.8	63.6	95.4
77	64.2	51.3	76.9

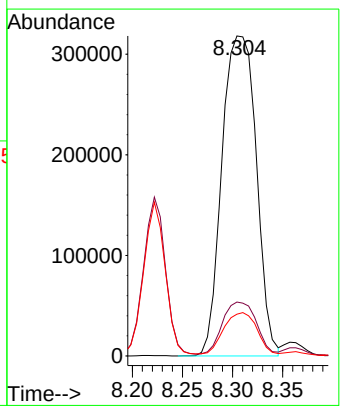


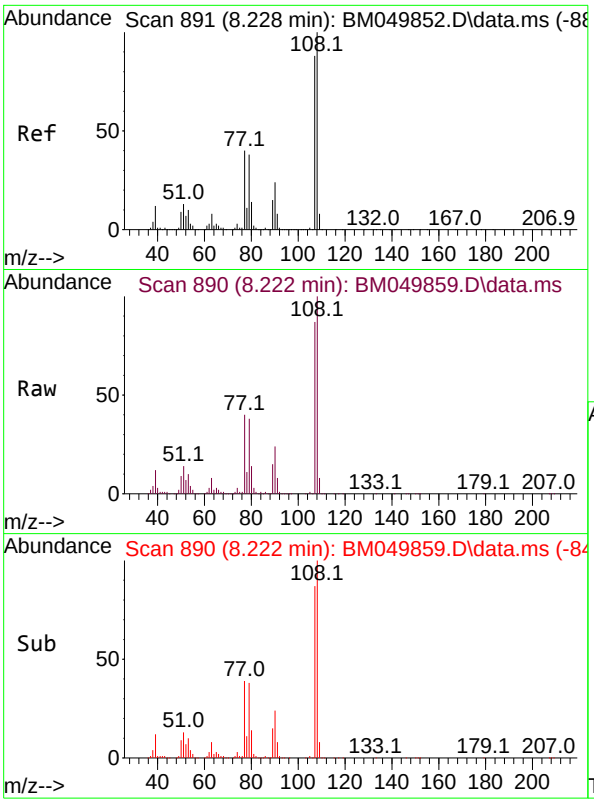


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.937 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 45 Resp: 759071

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	13.1	0.0	32.9



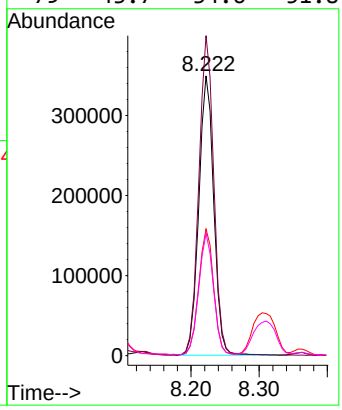


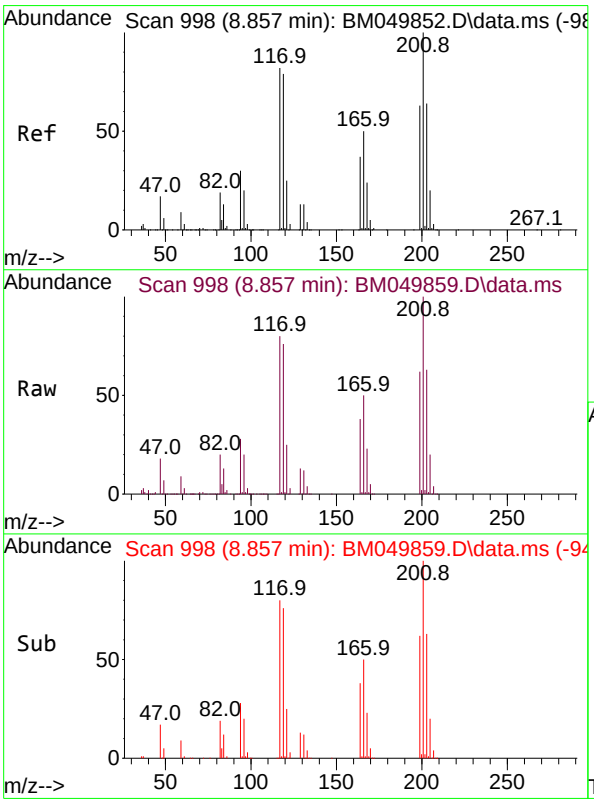
#17
2-Methylphenol
Concen: 40.722 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 532364

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.6
77	45.2	36.5	54.7
79	43.7	34.6	51.8

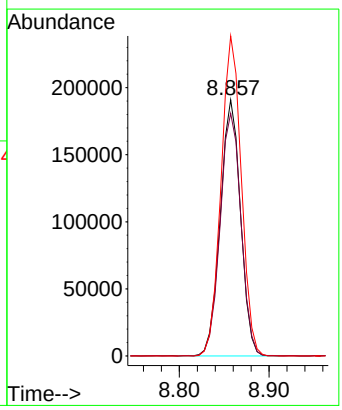


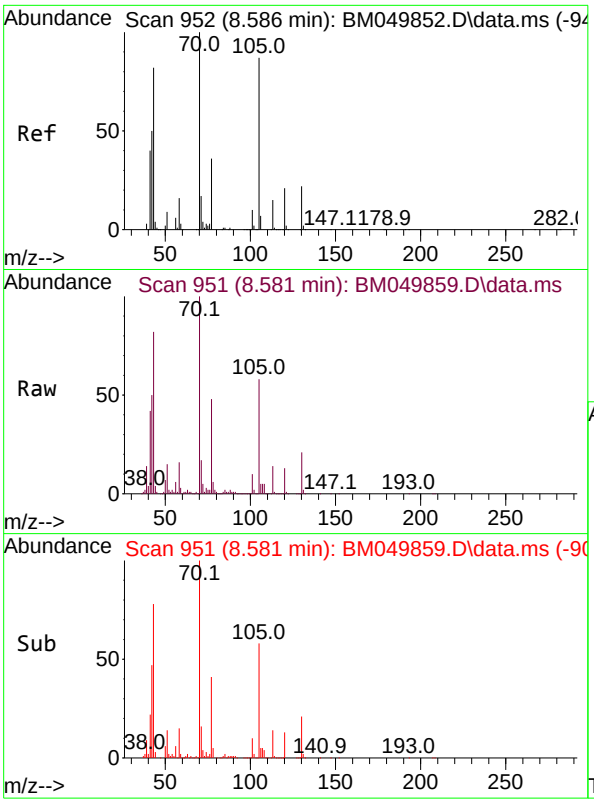


#18
Hexachloroethane
Concen: 40.379 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:117 Resp: 299242

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
201	124.9	97.7	146.5



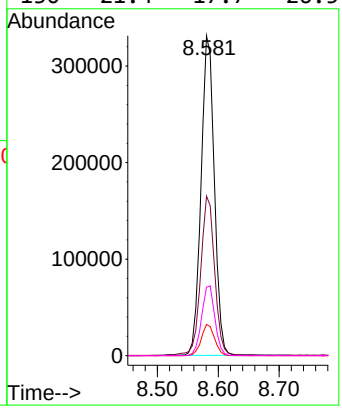


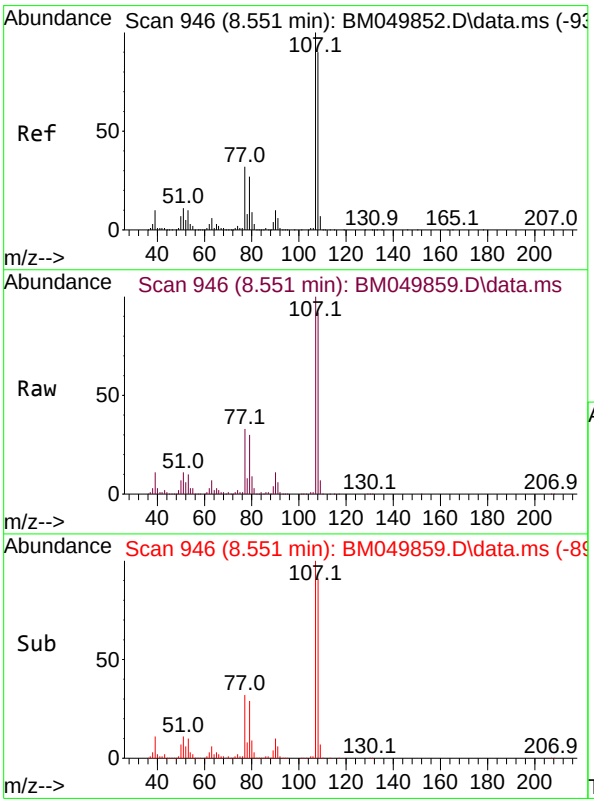
#19
n-Nitroso-di-n-propylamine
Concen: 41.719 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 502308

Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.2	60.2
101	9.8	7.9	11.9
130	21.4	17.7	26.5

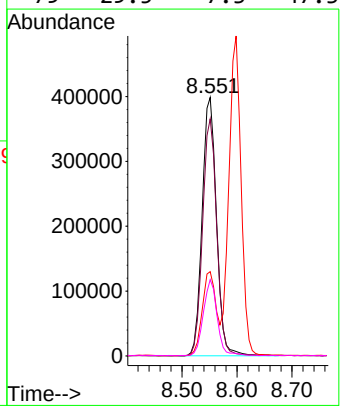


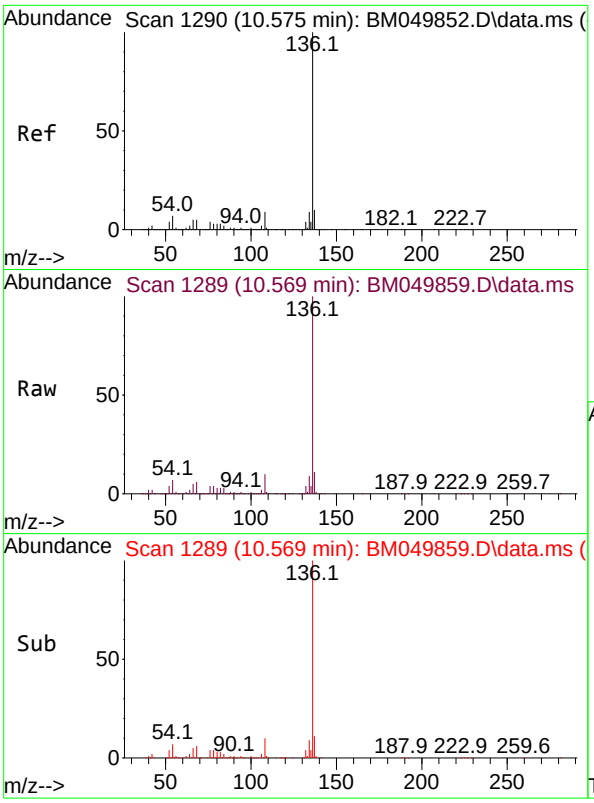


#20
3+4-Methylphenols
Concen: 40.429 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:107 Resp: 720564

Ion	Ratio	Lower	Upper
107	100		
108	91.7	69.6	109.6
77	32.6	11.7	51.7
79	29.5	7.3	47.3



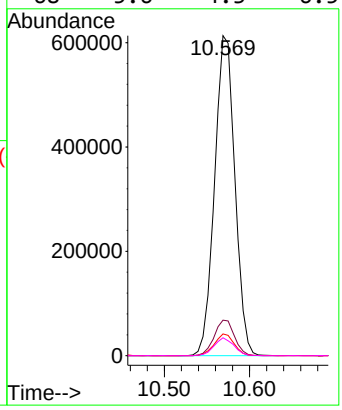


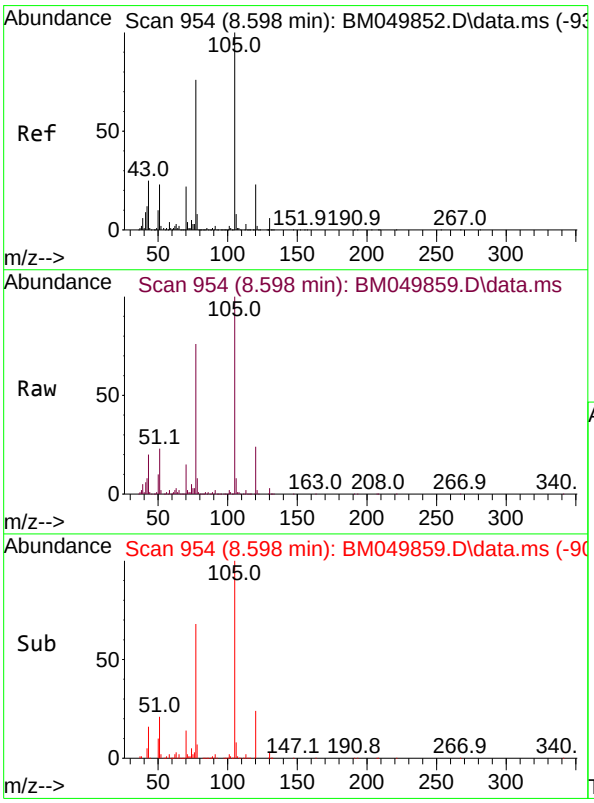
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1015269

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.8	5.3	7.9
68	5.6	4.3	6.5

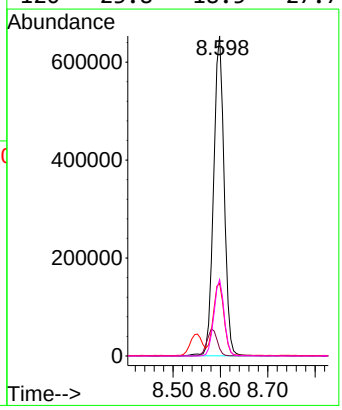


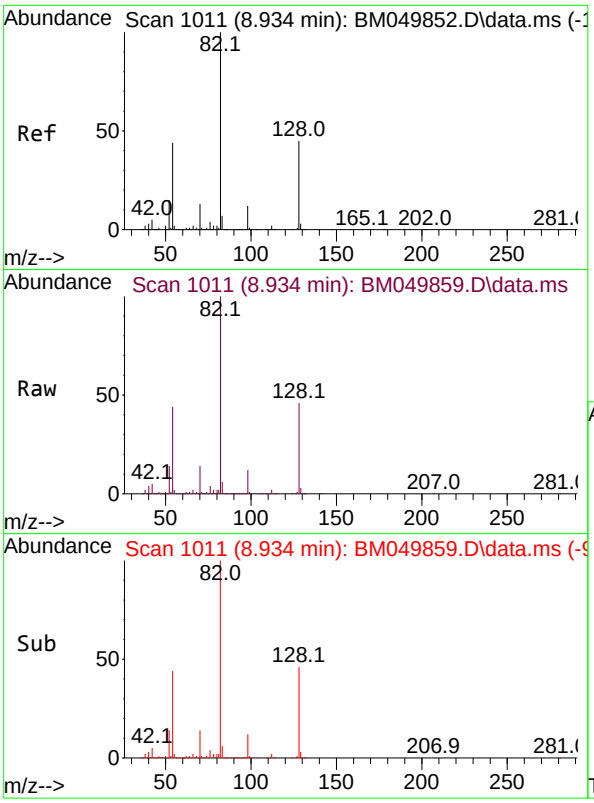


#22
Acetophenone
Concen: 41.032 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:105 Resp: 1012423

Ion	Ratio	Lower	Upper
105	100		
71	2.3	3.0	4.4#
51	22.7	18.6	27.8
120	23.8	18.5	27.7



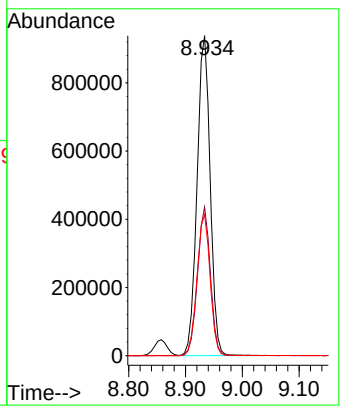


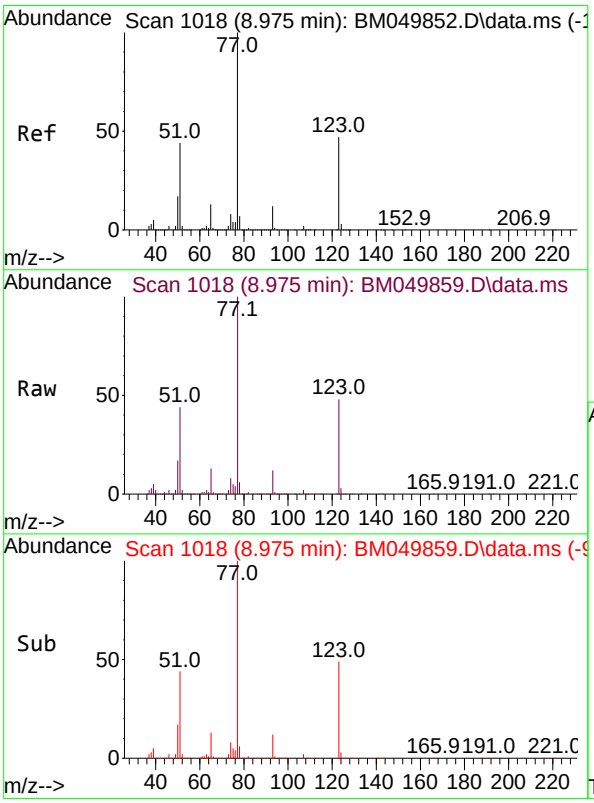
#23
Nitrobenzene-d5
Concen: 82.457 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1503388

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.2	54.2
54	44.1	35.0	52.6

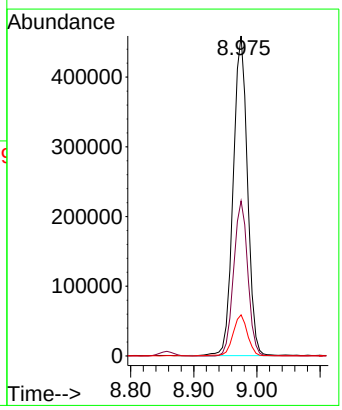


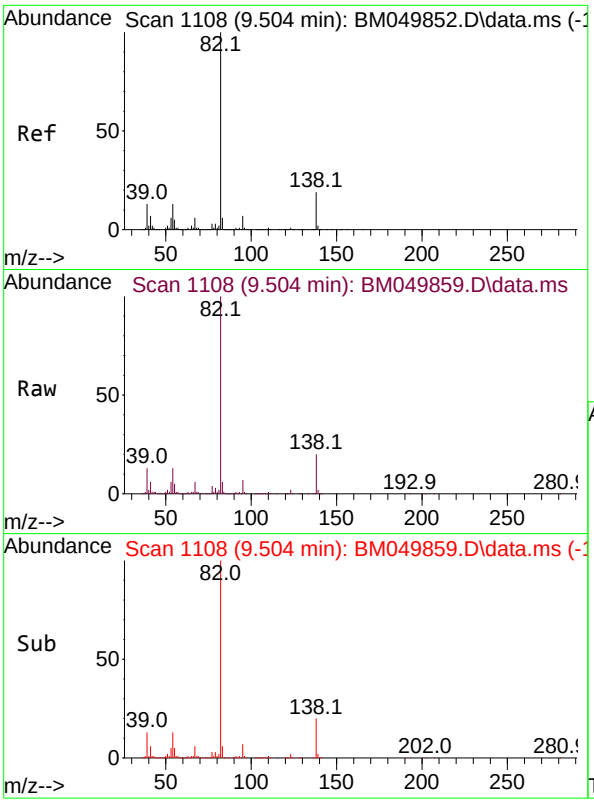


#24
Nitrobenzene
Concen: 40.963 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 77 Resp: 719142

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.4	56.2
65	12.8	10.1	15.1



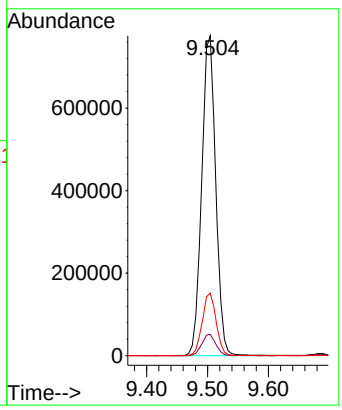


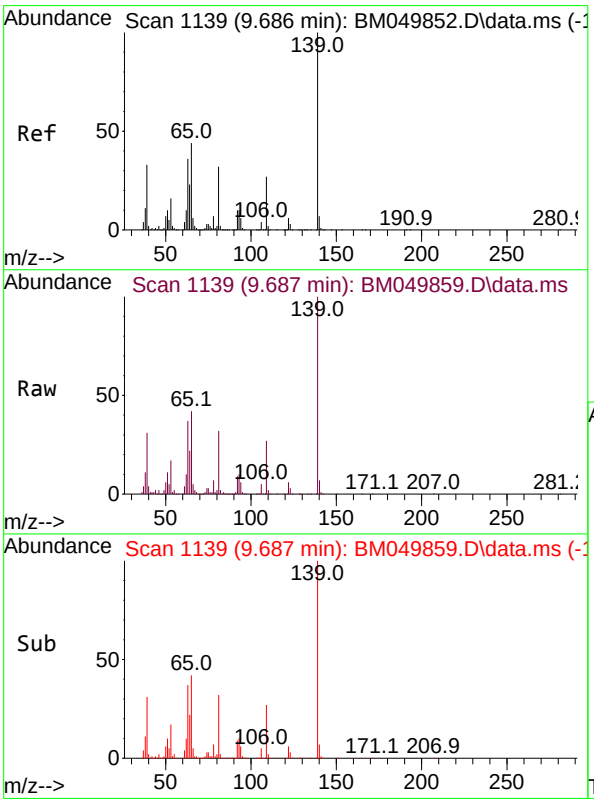
#25
Isophorone
Concen: 40.521 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1237624

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	19.5	15.0	22.6

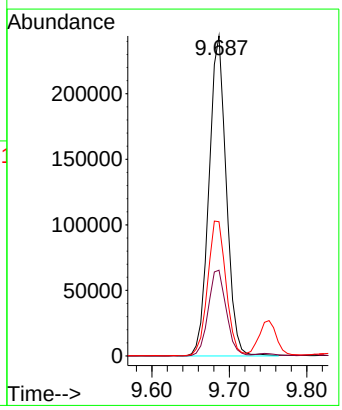


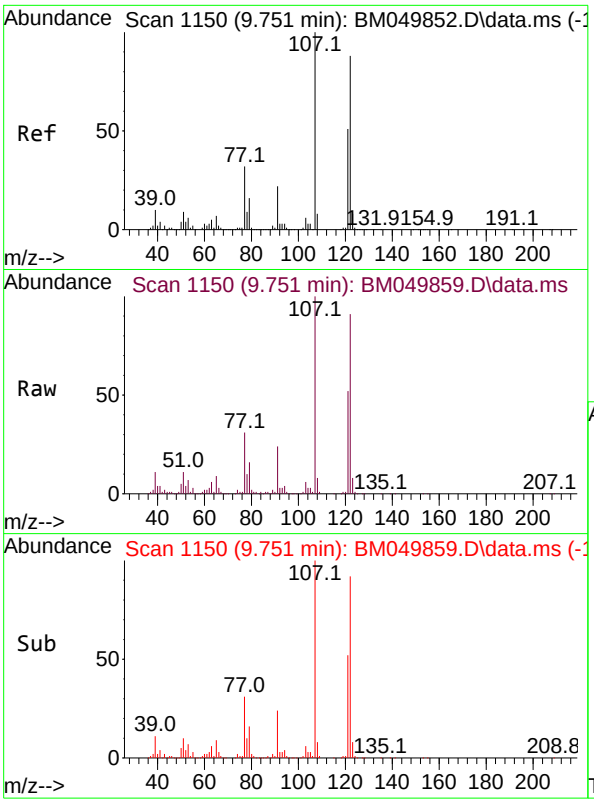


#26
2-Nitrophenol
Concen: 40.684 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:139 Resp: 378566

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.7	32.5
65	41.9	35.2	52.8



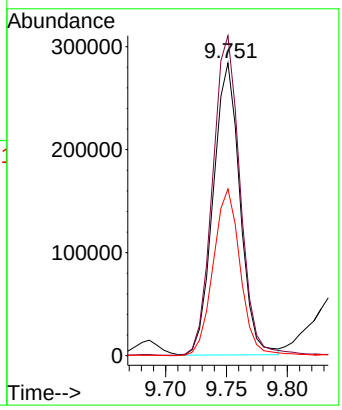


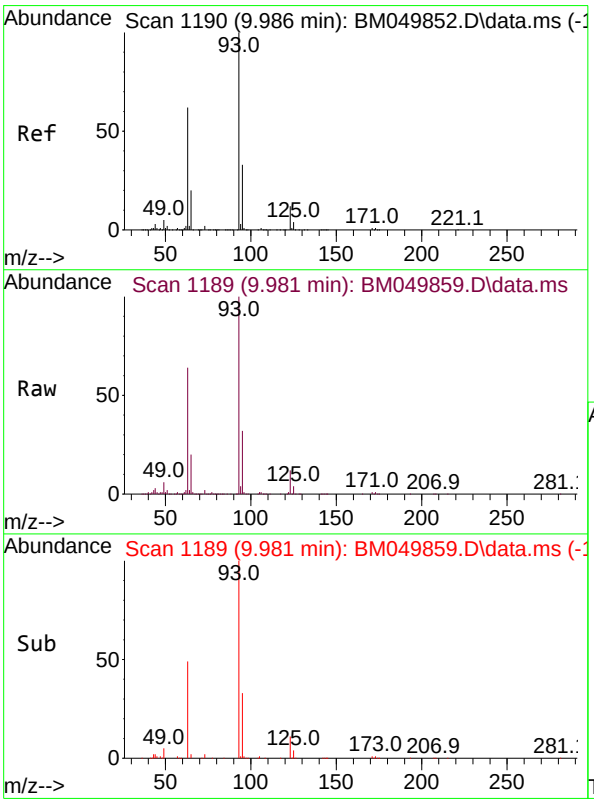
#27
2,4-Dimethylphenol
Concen: 41.179 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 434235

Ion	Ratio	Lower	Upper
122	100		
107	109.3	90.3	135.5
121	57.0	46.1	69.1

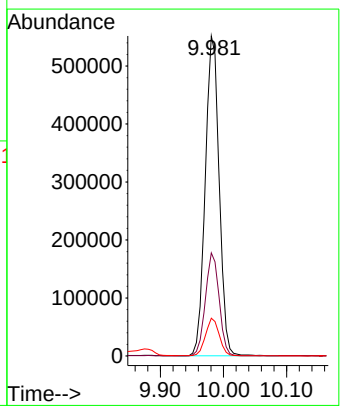


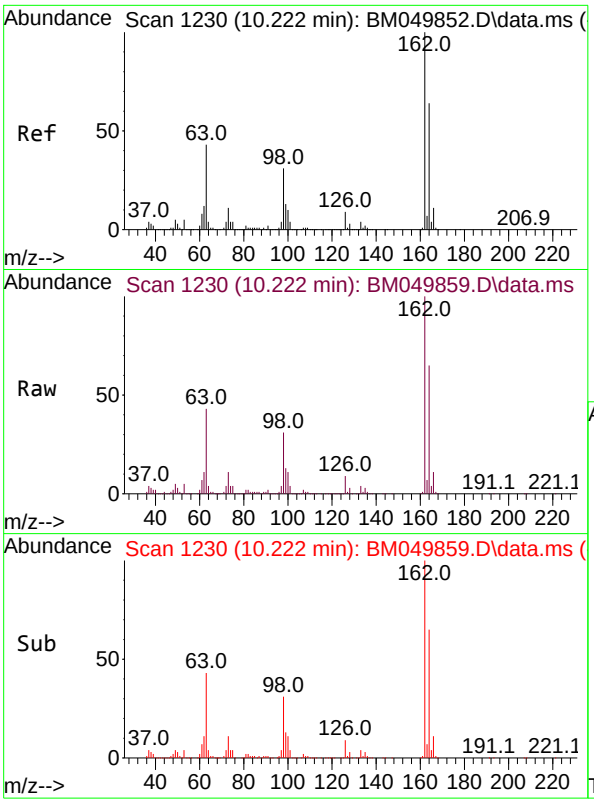


#28
bis(2-Chloroethoxy)methane
Concen: 41.389 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 93 Resp: 846304

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.6	40.0
123	11.8	9.5	14.3



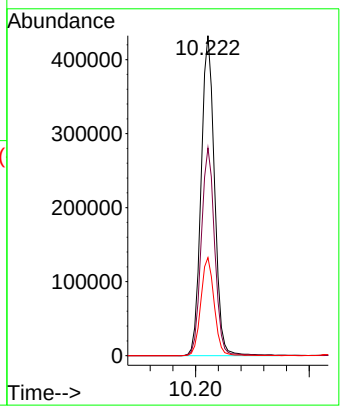


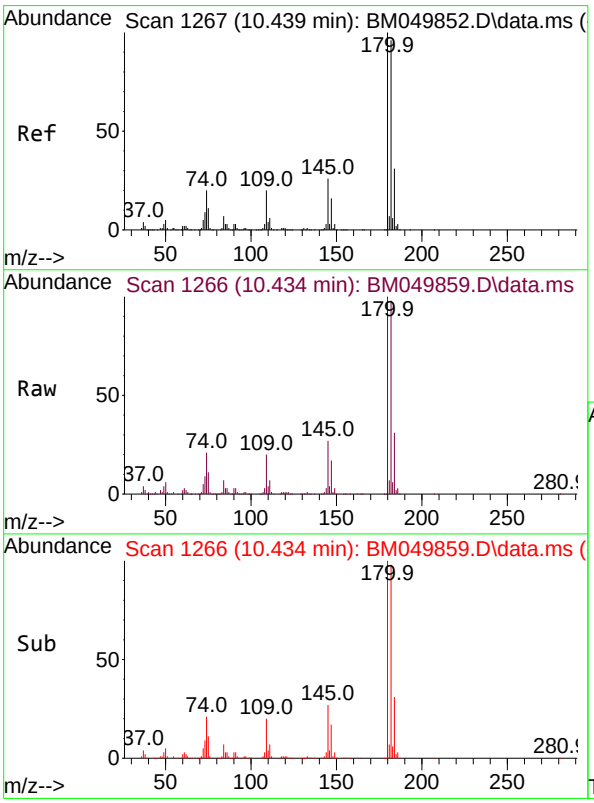
#29
2,4-Dichlorophenol
Concen: 40.301 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 706425

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.3	84.3
98	30.6	10.9	50.9

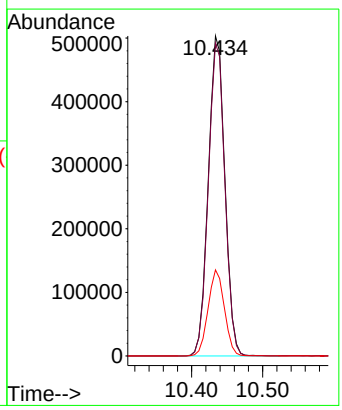


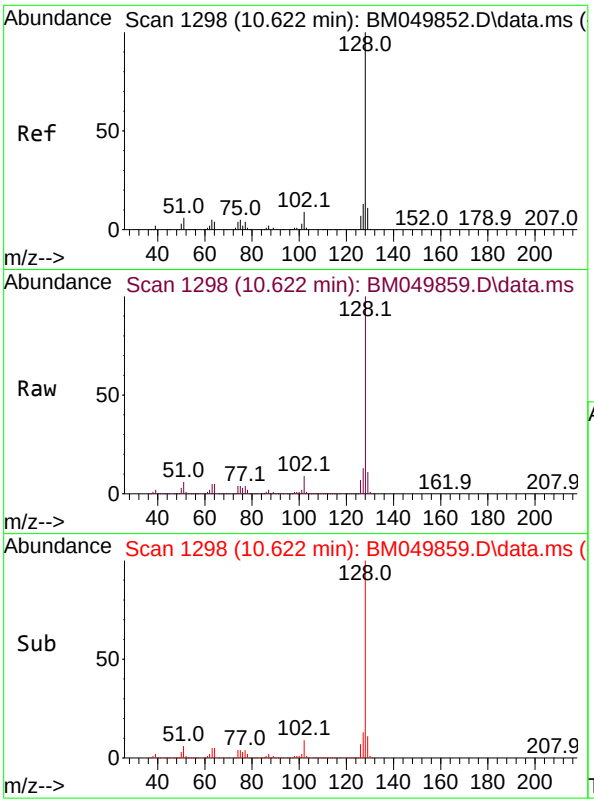


#30
1,2,4-Trichlorobenzene
Concen: 40.309 ng
RT: 10.434 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:180 Resp: 817401

Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.7	115.1
145	26.9	20.8	31.2



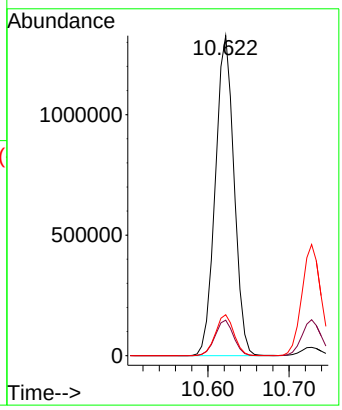


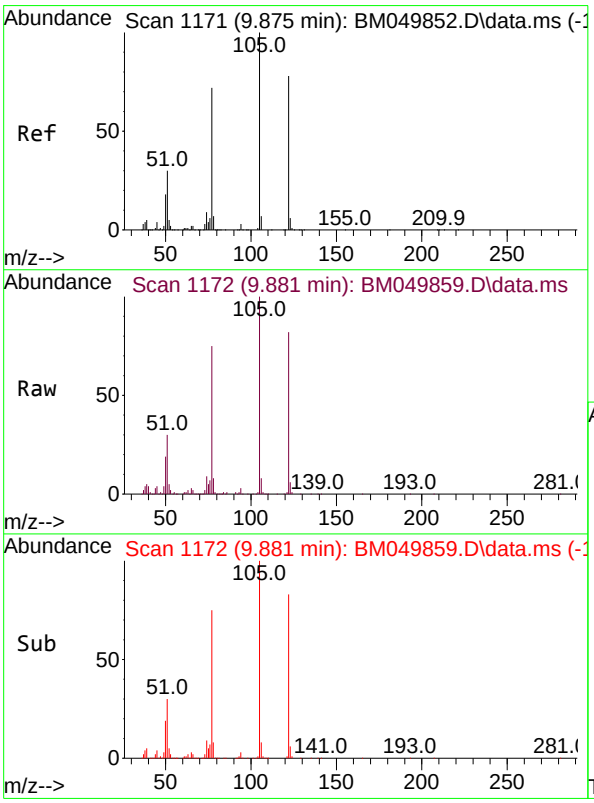
#31
Naphthalene
Concen: 40.688 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2122646

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.6	15.8

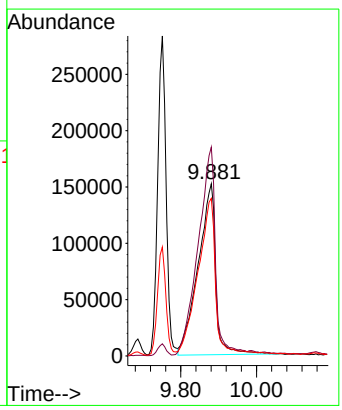


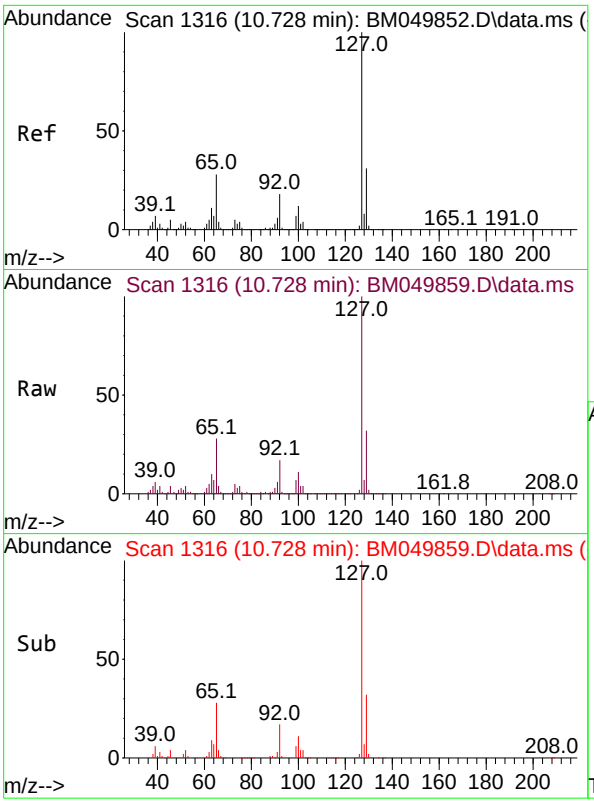


#32
Benzoic acid
Concen: 39.334 ng
RT: 9.881 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:122 Resp: 489631

Ion	Ratio	Lower	Upper
122	100		
105	121.3	103.8	143.8
77	91.6	70.7	110.7



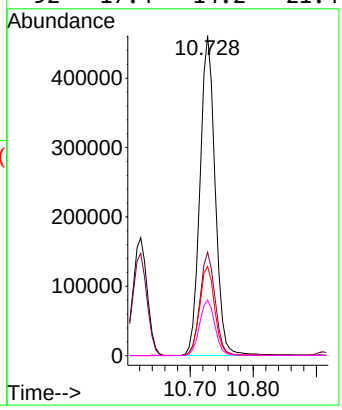


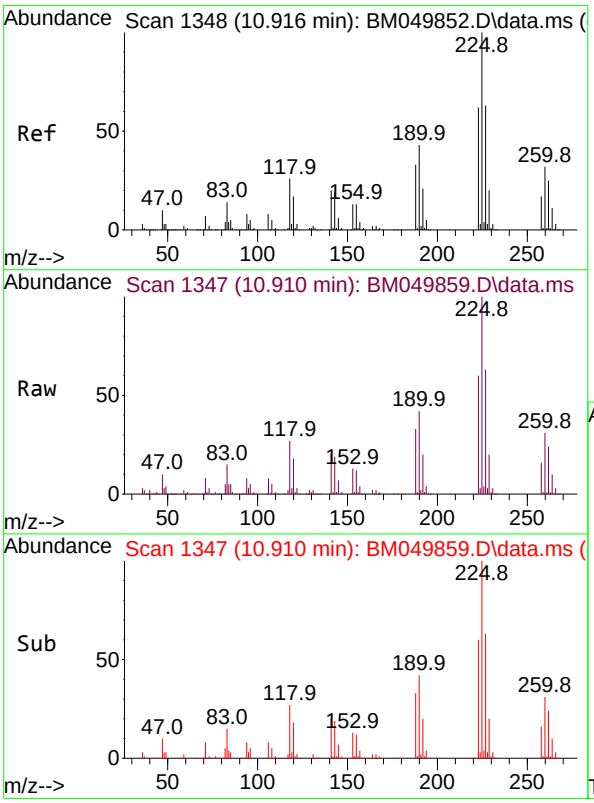
#33
4-Chloroaniline
Concen: 41.809 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 770178

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.9	37.3
65	27.9	22.4	33.6
92	17.4	14.2	21.4

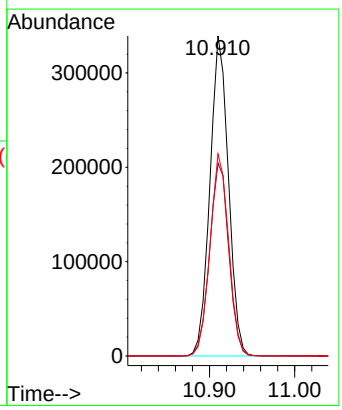


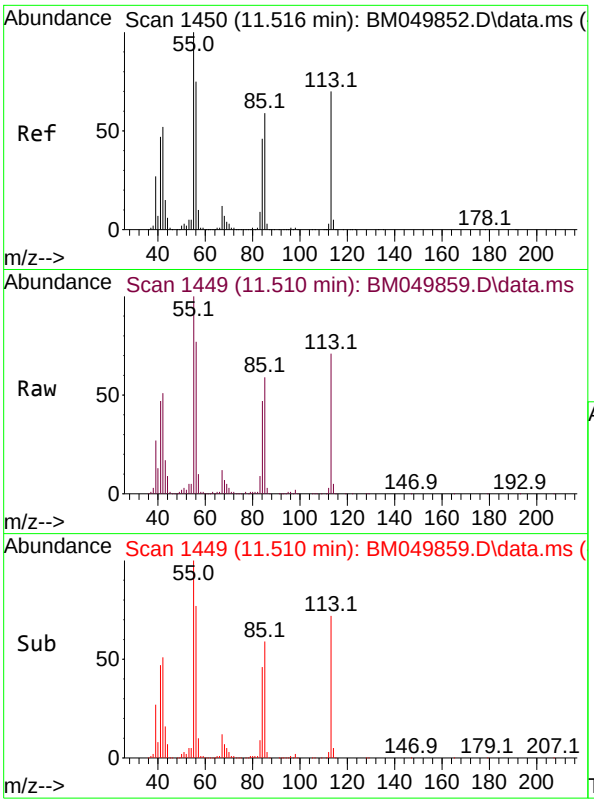


#34
Hexachlorobutadiene
Concen: 40.738 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:225 Resp: 510989

Ion	Ratio	Lower	Upper
225	100		
223	60.2	49.4	74.2
227	63.1	50.1	75.1



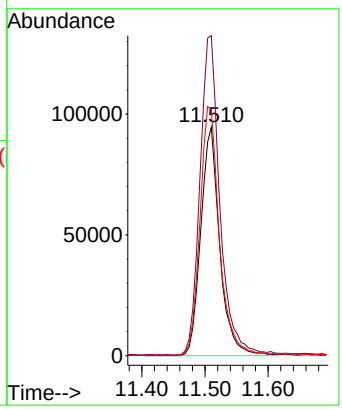


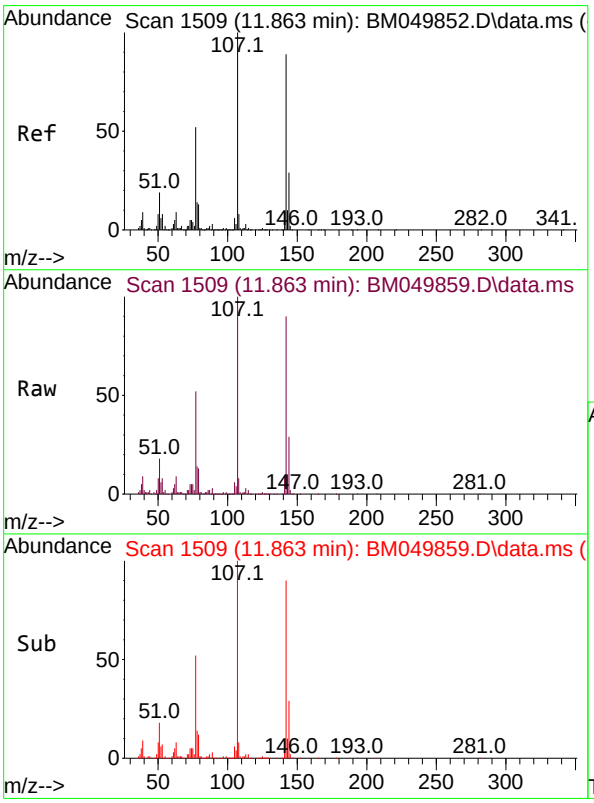
#35
Caprolactam
Concen: 39.211 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 197131

Ion	Ratio	Lower	Upper
113	100		
55	140.1	124.3	164.3
56	107.8	87.5	127.5

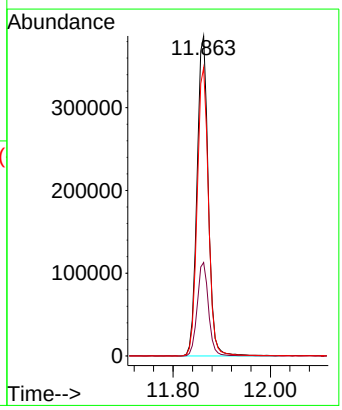


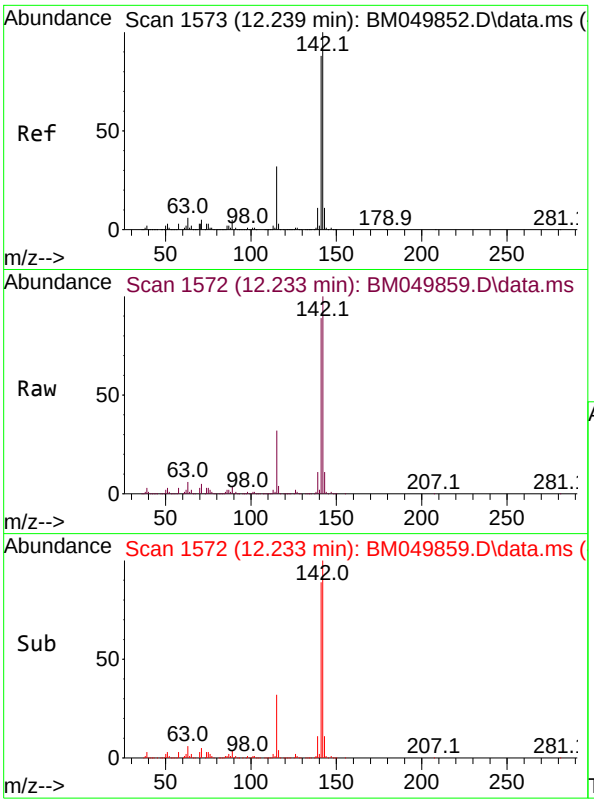


#36
4-Chloro-3-methylphenol
Concen: 40.507 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:107 Resp: 621964

Ion	Ratio	Lower	Upper
107	100		
144	29.2	23.6	35.4
142	90.1	71.4	107.0



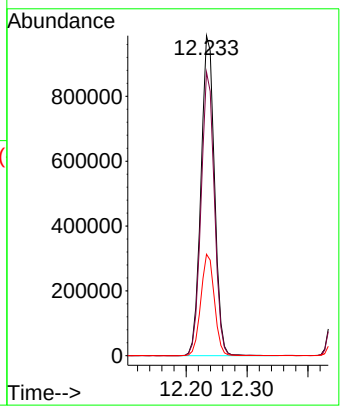


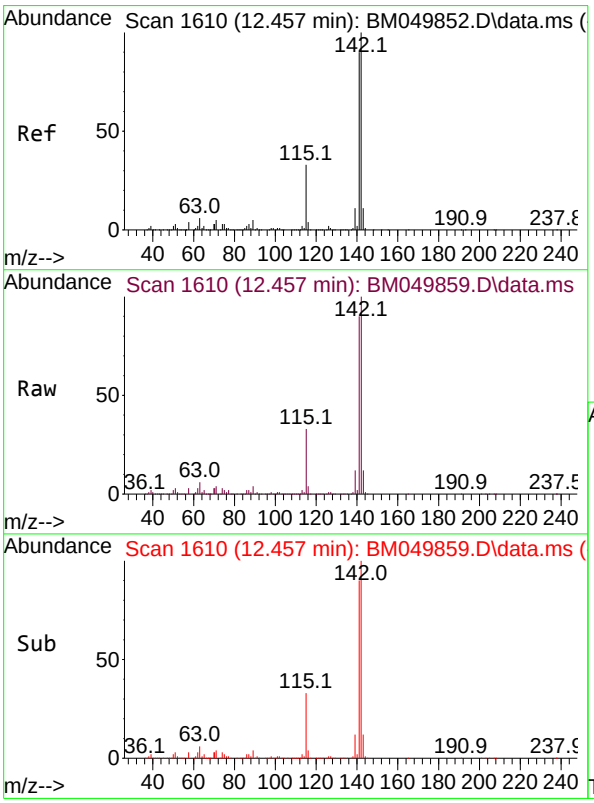
#37
2-Methylnaphthalene
Concen: 41.327 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1519024

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.2	105.2
115	31.7	25.4	38.2

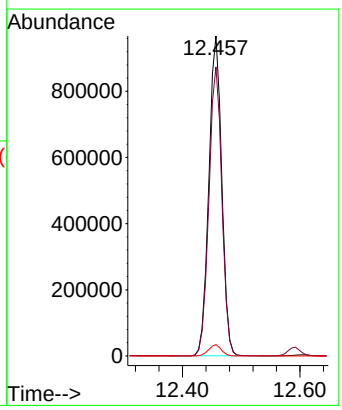


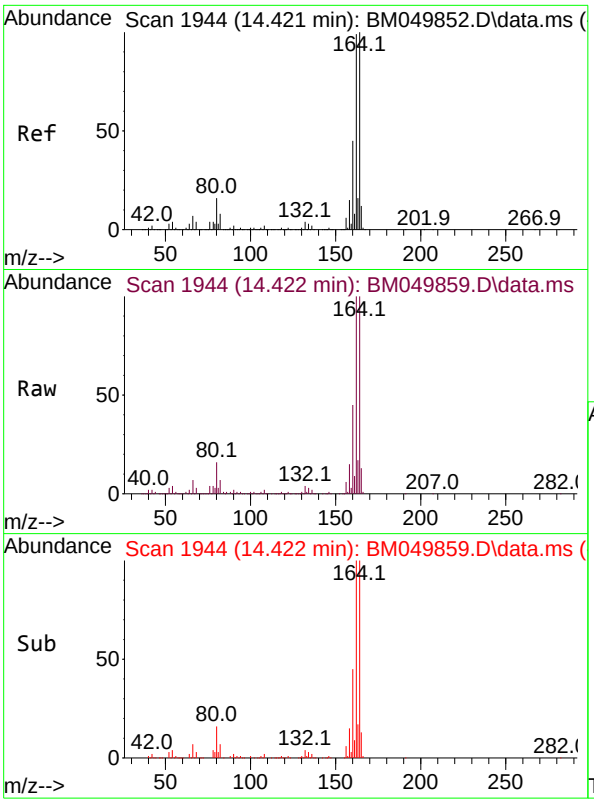


#38
1-Methylnaphthalene
Concen: 41.064 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:142 Resp: 1470447

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2
116	3.5	2.9	4.3



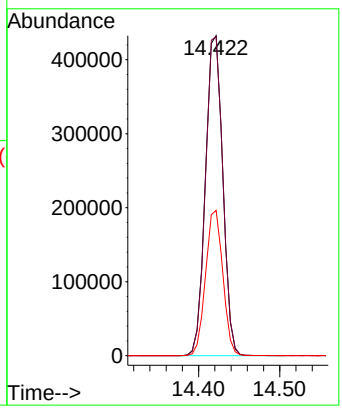


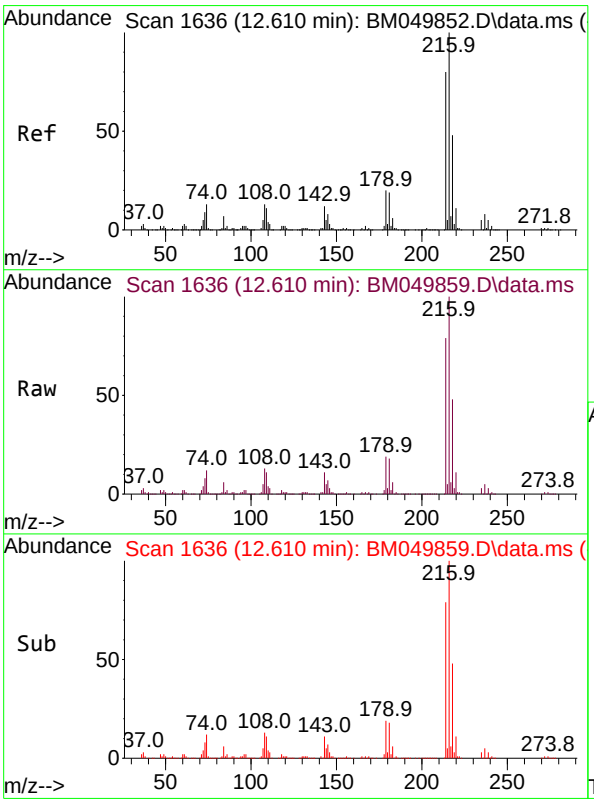
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 639621

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.4	119.0
160	45.4	36.2	54.2

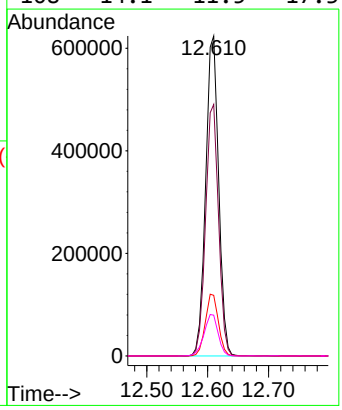


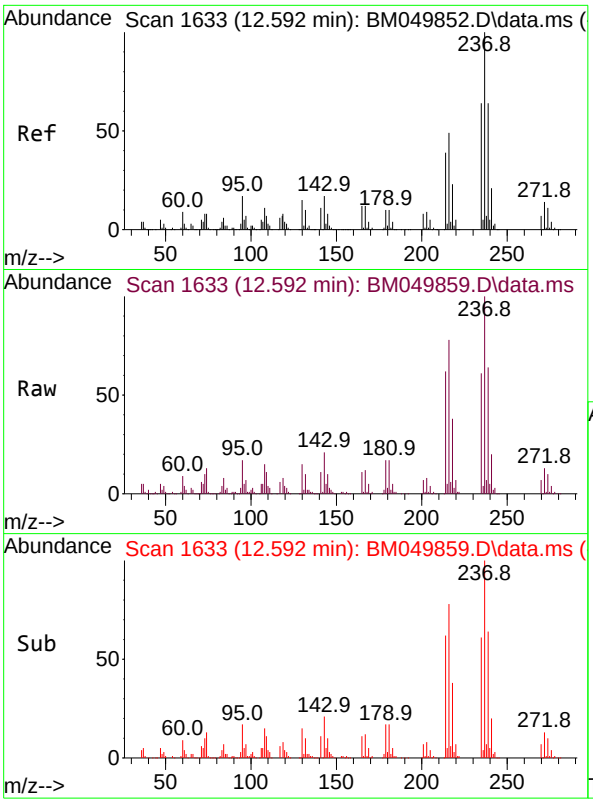


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.284 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:216 Resp: 923807

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.2	94.8
179	19.5	15.8	23.6
108	14.1	11.5	17.3



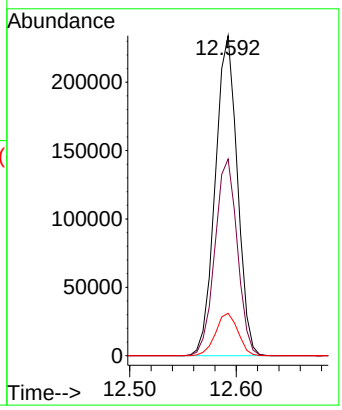


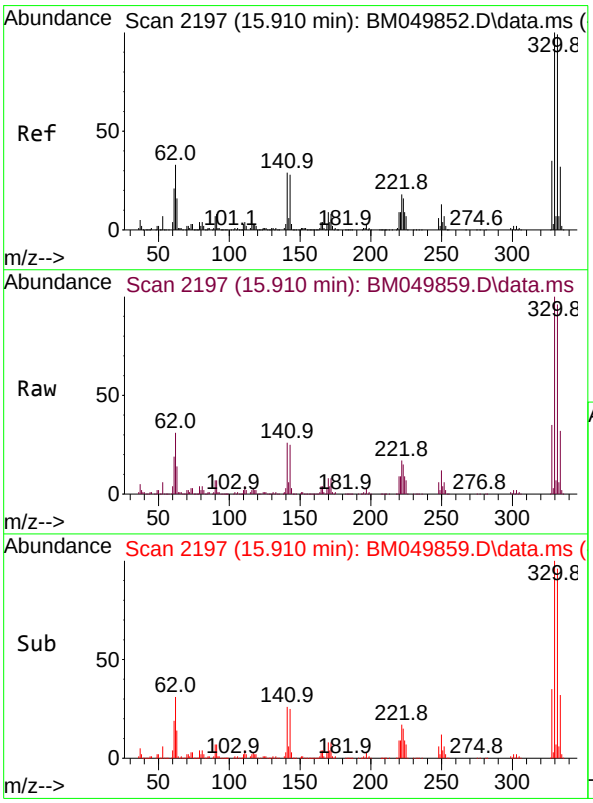
#41
Hexachlorocyclopentadiene
Concen: 42.977 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 336985

Ion	Ratio	Lower	Upper
237	100		
235	61.4	43.7	83.7
272	13.3	0.0	33.5

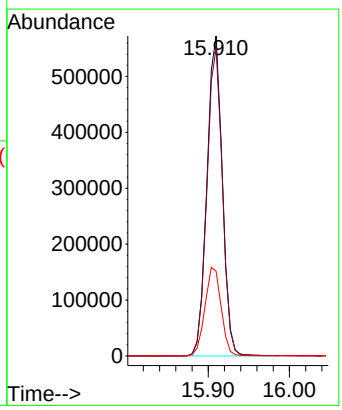


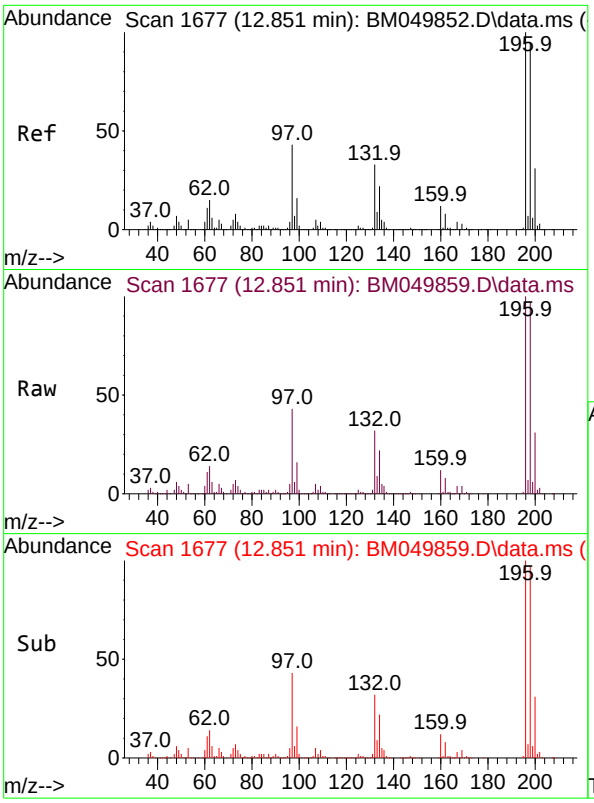


#42
2,4,6-Tribromophenol
Concen: 80.953 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:330 Resp: 753144

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	29.2	23.5	35.3



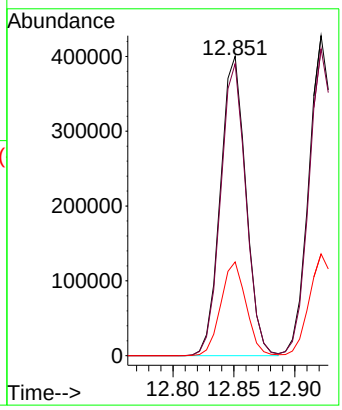


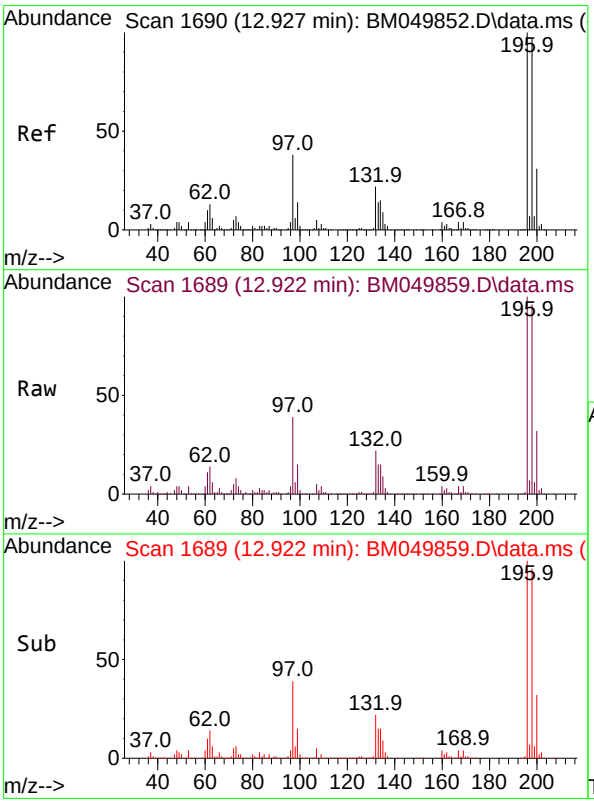
#43
2,4,6-Trichlorophenol
Concen: 41.039 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 584357

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
200	31.3	24.7	37.1

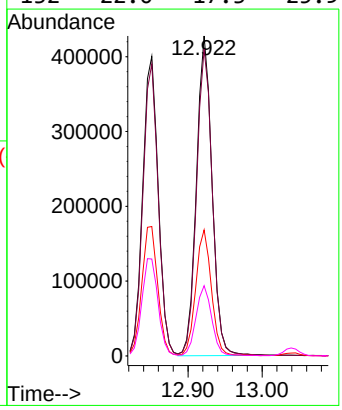


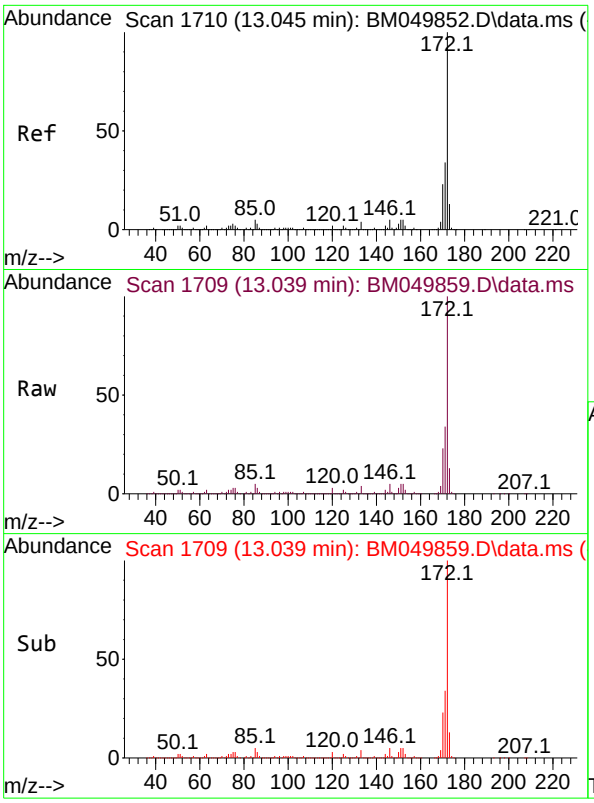


#44
2,4,5-Trichlorophenol
Concen: 40.530 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:196 Resp: 627159

Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.7	116.5
97	39.4	30.3	45.5
132	22.0	17.3	25.9



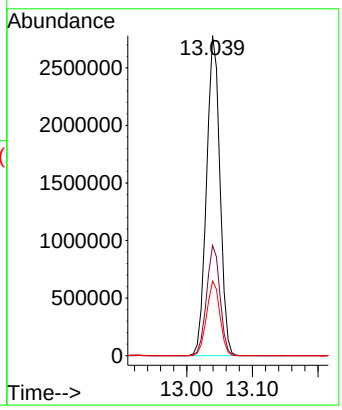


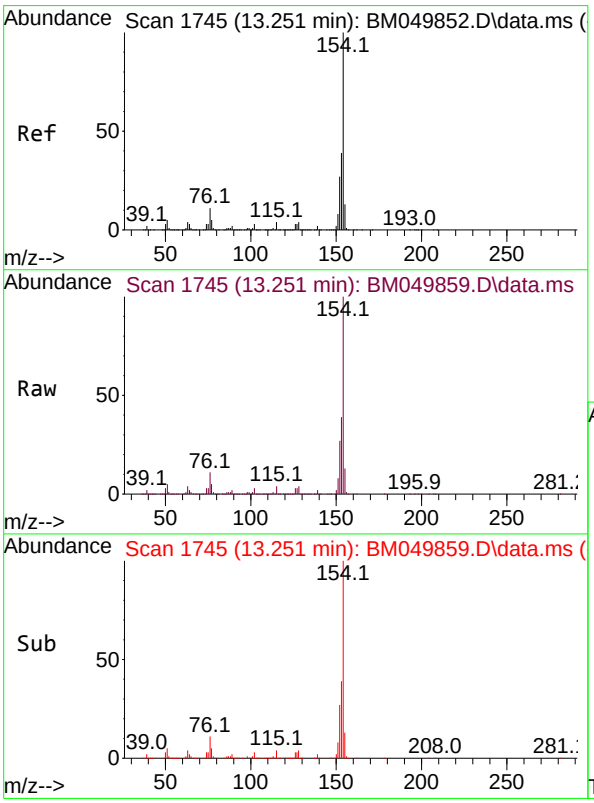
#45
2-Fluorobiphenyl
Concen: 83.577 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3942276

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.2
170	23.3	18.6	28.0

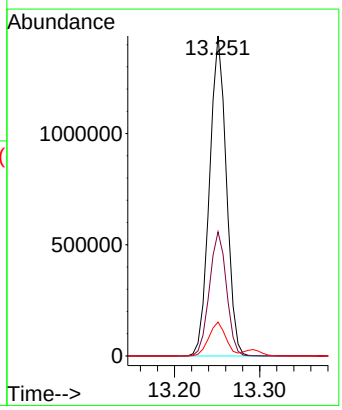


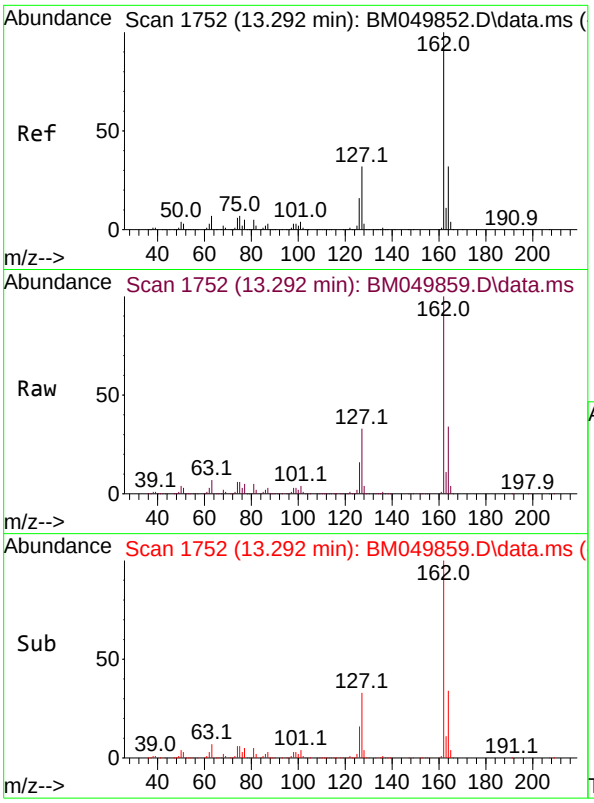


#46
1,1'-Biphenyl
Concen: 41.524 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:154 Resp: 1974373

Ion	Ratio	Lower	Upper
154	100		
153	38.8	19.3	59.3
76	10.6	0.0	30.7



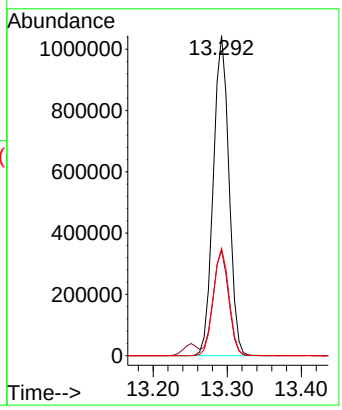


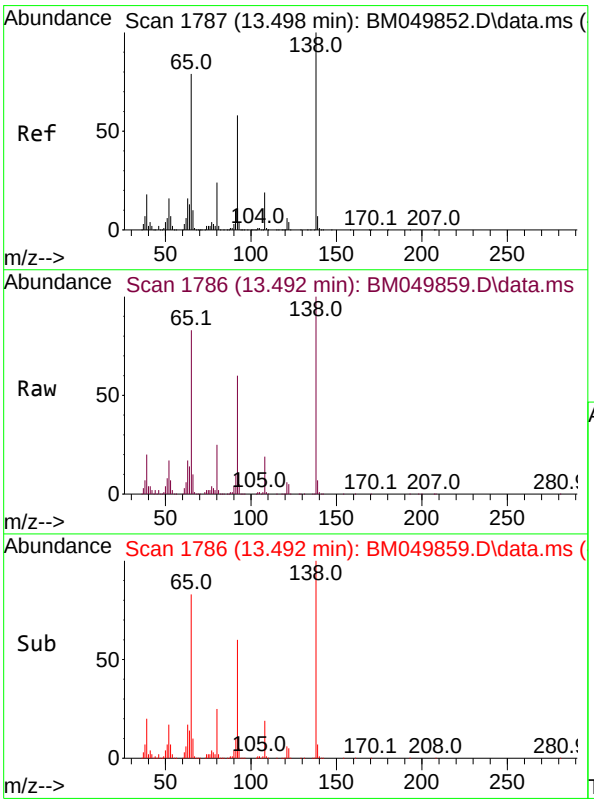
#47
2-Chloronaphthalene
Concen: 41.015 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1532791

Ion	Ratio	Lower	Upper
162	100		
127	32.8	26.0	39.0
164	33.6	25.9	38.9

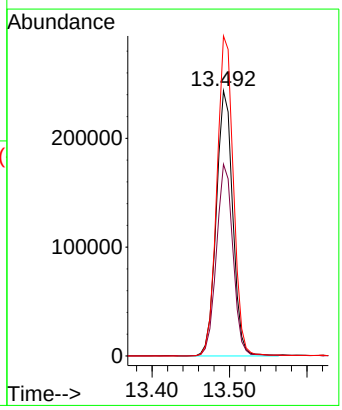


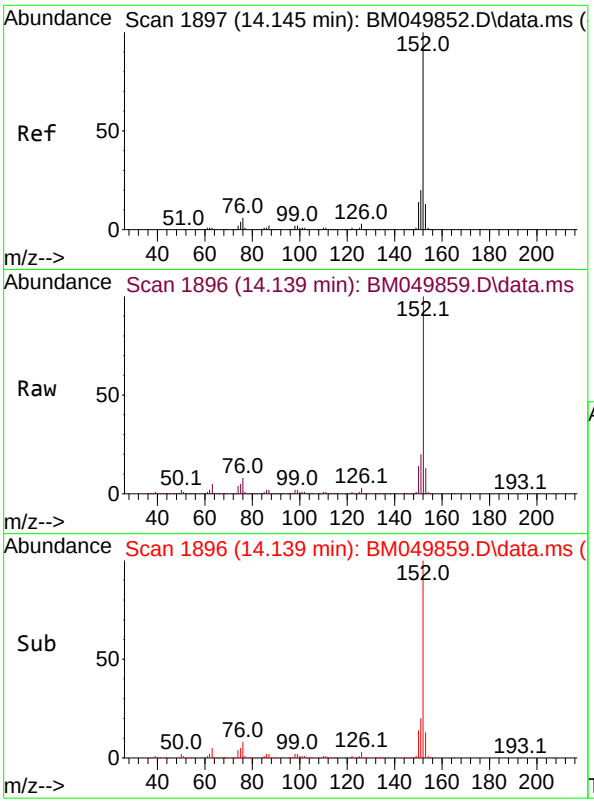


#48
2-Nitroaniline
Concen: 41.593 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 65 Resp: 359600

Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.4	87.6
138	120.7	100.8	151.2



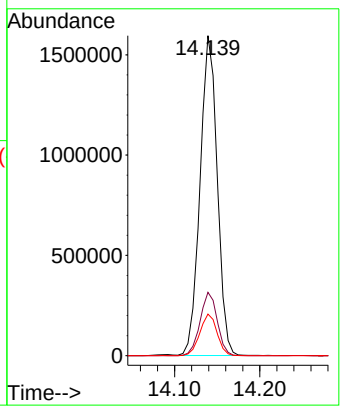


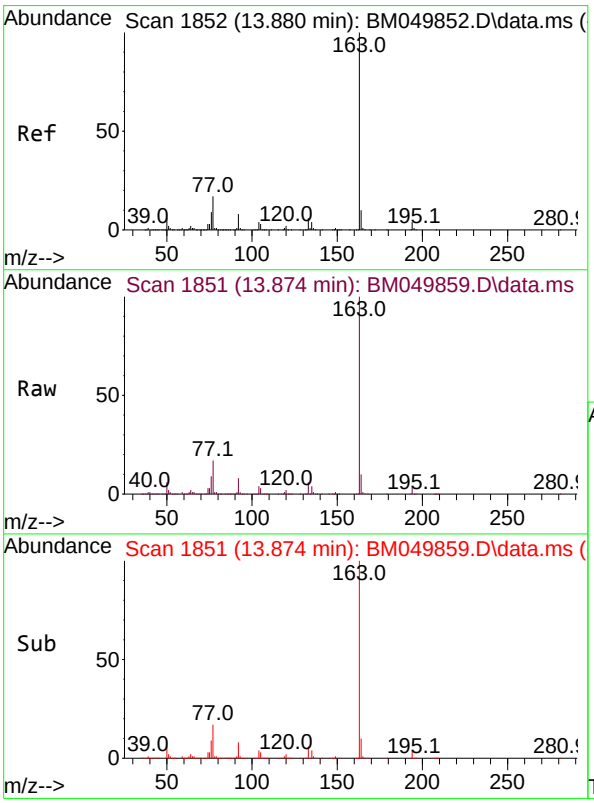
#49
Acenaphthylene
Concen: 41.073 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2235881

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.4	15.6

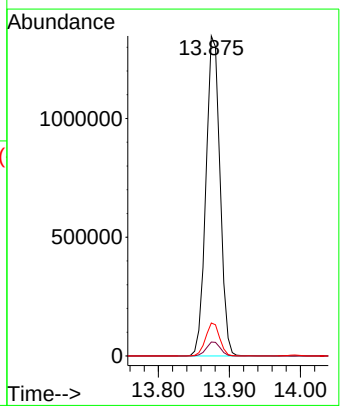


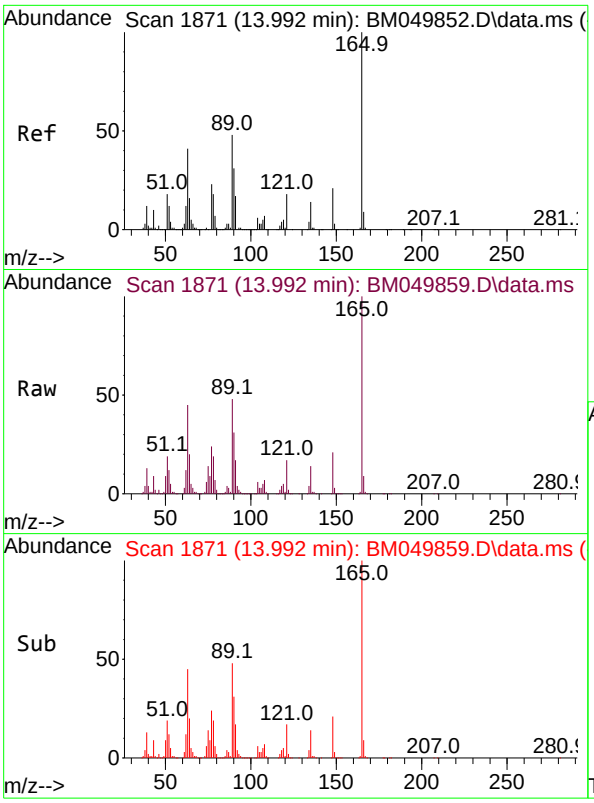


#50
Dimethylphthalate
Concen: 41.189 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:163 Resp: 1858623

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.3	7.9	11.9



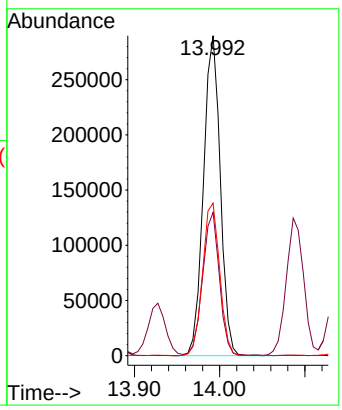


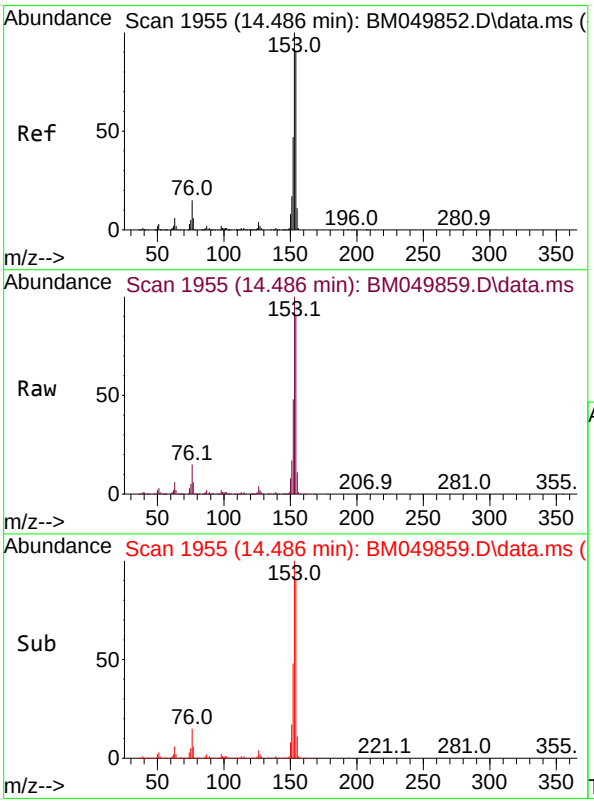
#51
2,6-Dinitrotoluene
Concen: 41.996 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 397040

Ion	Ratio	Lower	Upper
165	100		
63	44.8	36.1	54.1
89	47.6	38.3	57.5

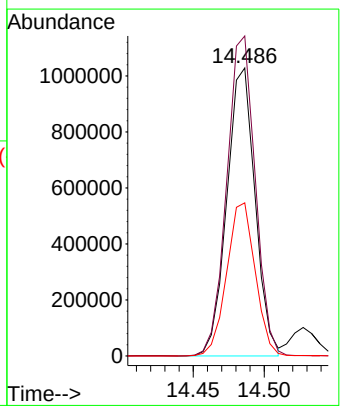


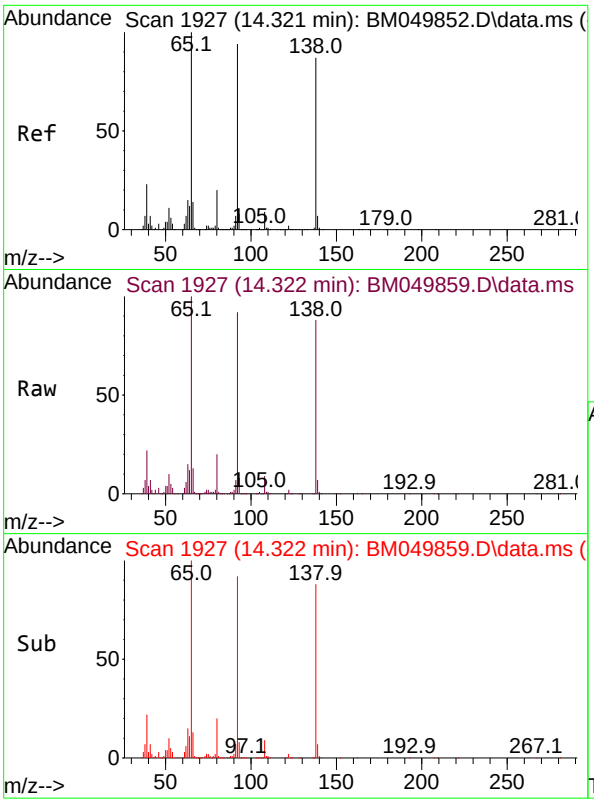


#52
Acenaphthene
Concen: 41.171 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:154 Resp: 1425611

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.3	133.9
152	53.1	42.2	63.2



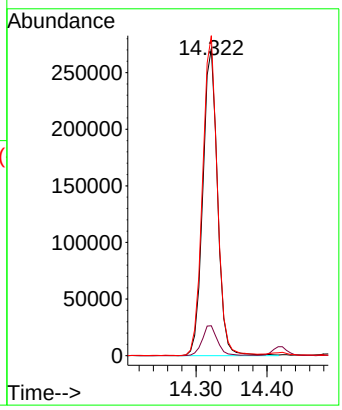


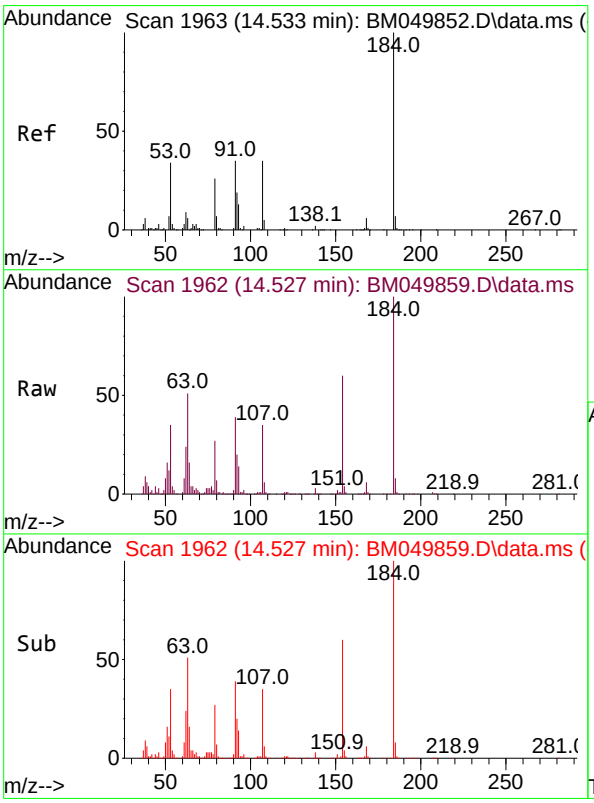
#53
3-Nitroaniline
Concen: 42.701 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 390179

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.2	86.5	129.7

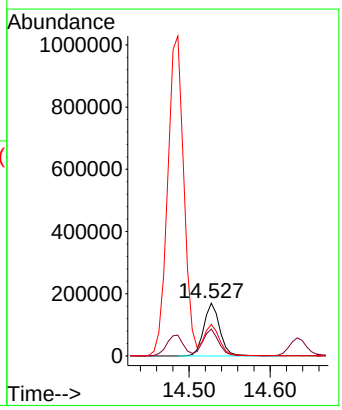


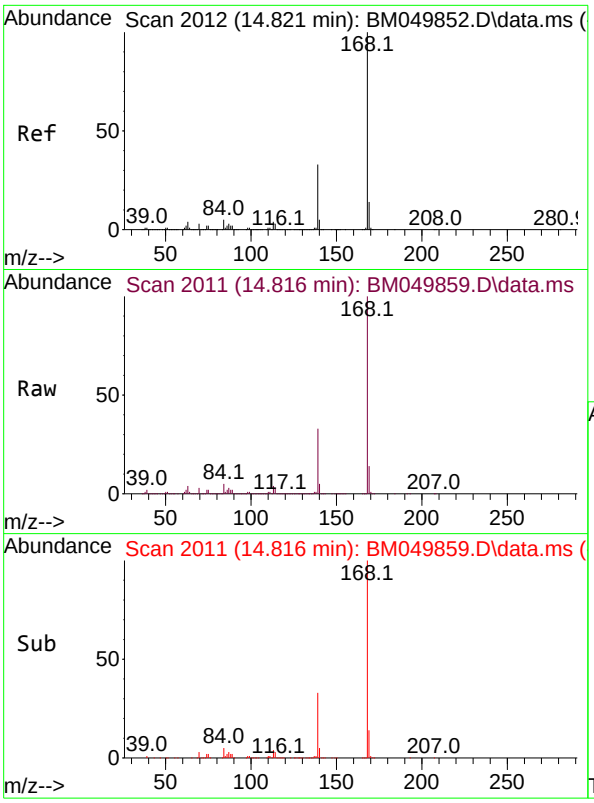


#54
2,4-Dinitrophenol
Concen: 38.069 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:184 Resp: 232138

Ion	Ratio	Lower	Upper
184	100		
63	50.9	38.4	57.6
154	59.8	48.1	72.1



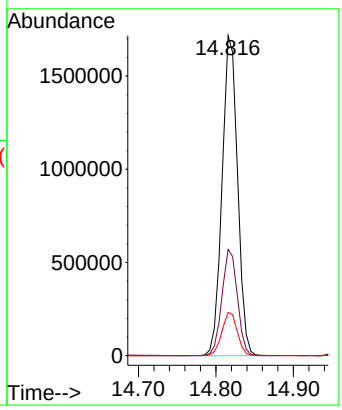


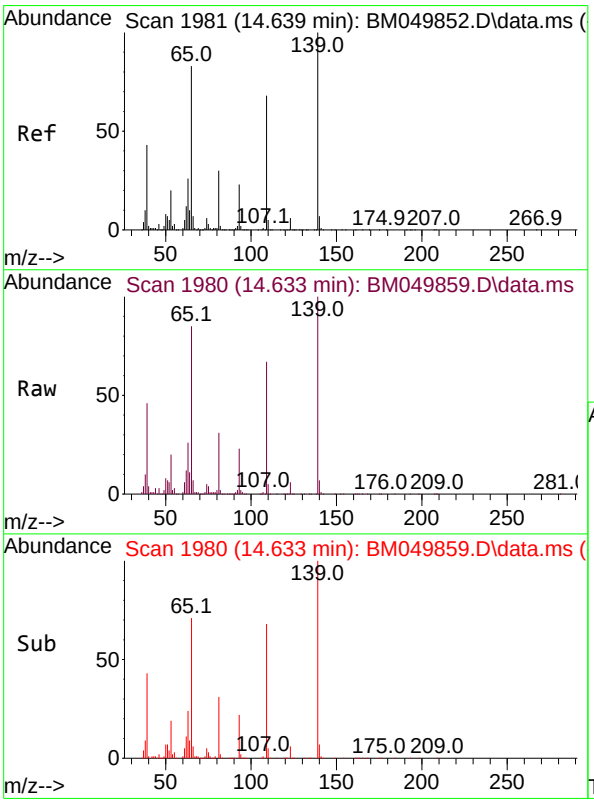
#55
Dibenzofuran
Concen: 41.175 ng
RT: 14.816 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2383415

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.6	39.8
169	13.5	11.0	16.4

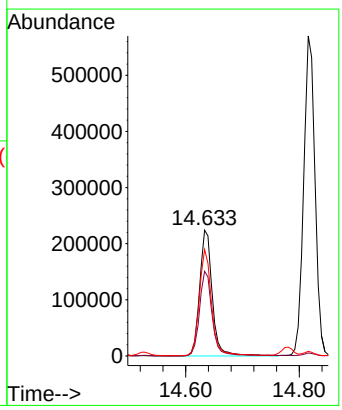


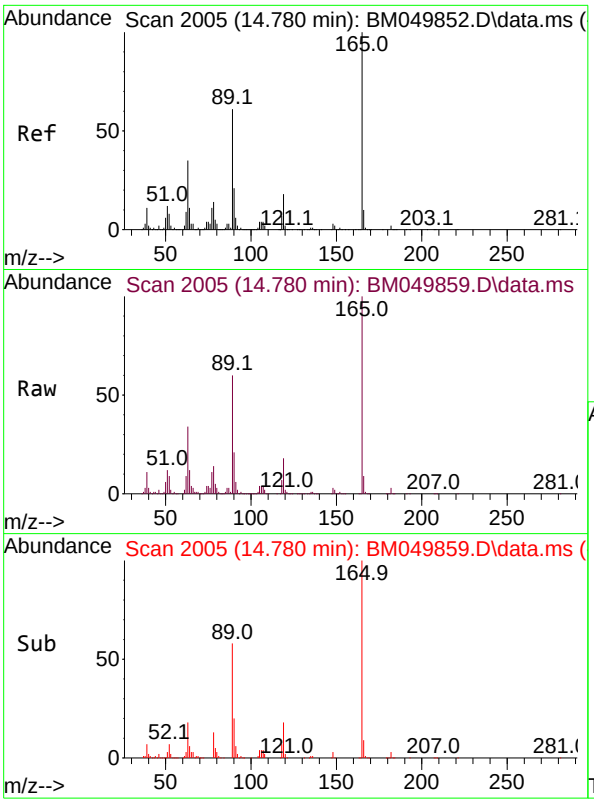


#56
4-Nitrophenol
Concen: 42.636 ng
RT: 14.633 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:139 Resp: 347174

Ion	Ratio	Lower	Upper
139	100		
109	67.3	47.9	87.9
65	84.6	62.7	102.7



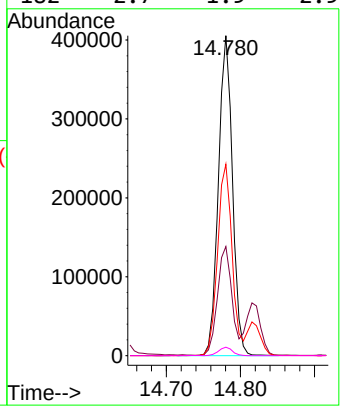


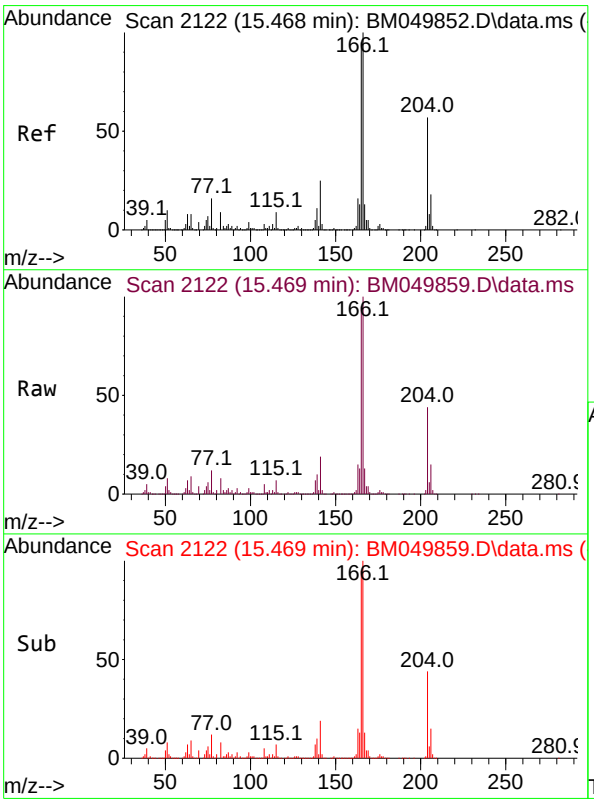
#57
2,4-Dinitrotoluene
Concen: 42.388 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 534617

Ion	Ratio	Lower	Upper
165	100		
63	34.1	28.6	42.8
89	59.8	49.0	73.6
182	2.7	1.9	2.9

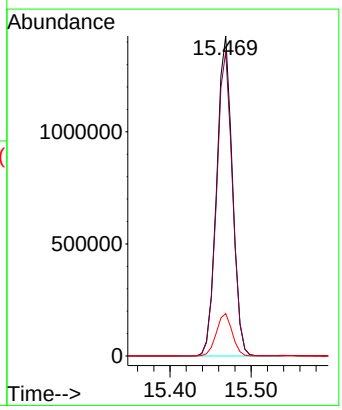


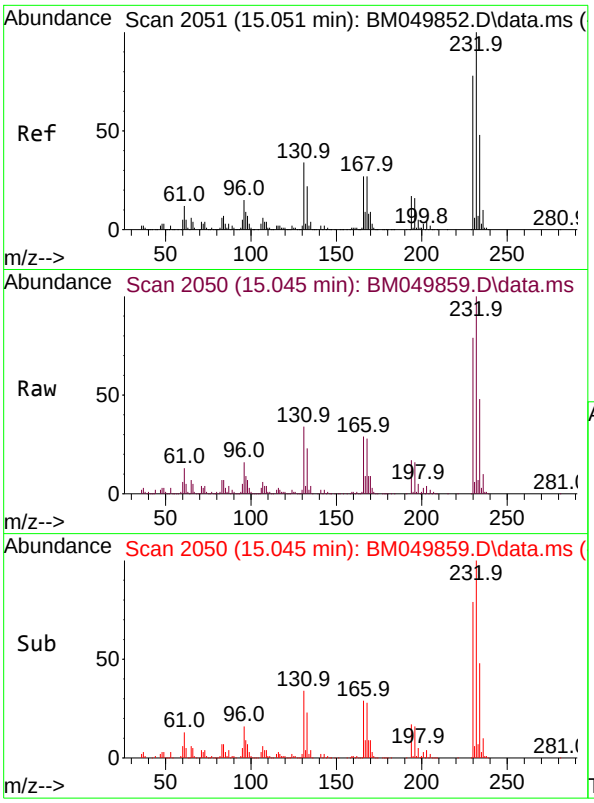


#58
Fluorene
Concen: 41.695 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:166 Resp: 1918474

Ion	Ratio	Lower	Upper
166	100		
165	95.1	76.3	114.5
167	13.2	10.7	16.1



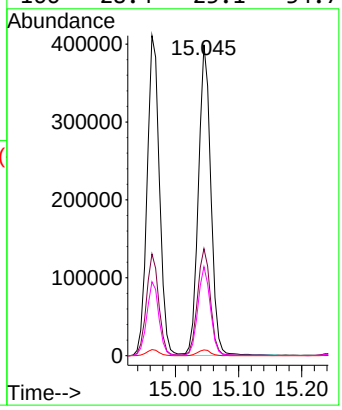


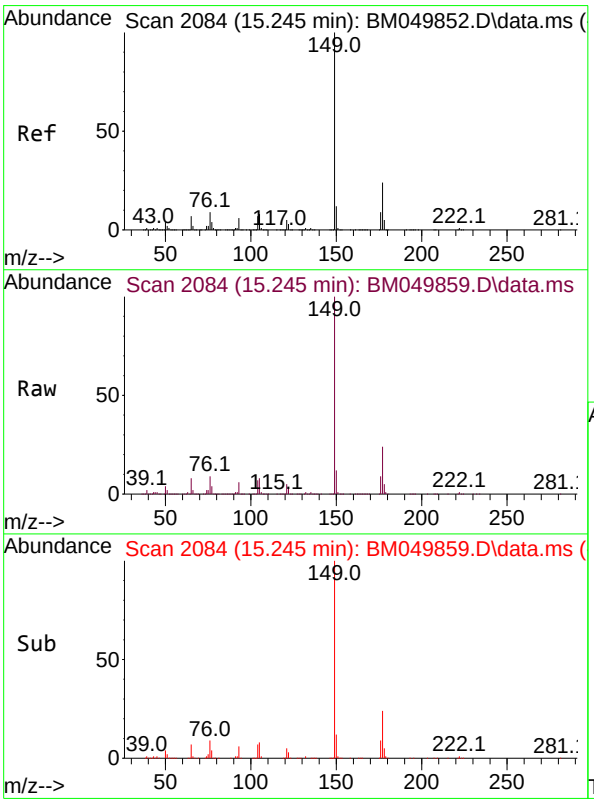
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.243 ng
RT: 15.045 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 545791

Ion	Ratio	Lower	Upper
232	100		
131	35.2	28.4	42.6
130	1.9	1.6	2.4
166	28.4	23.1	34.7

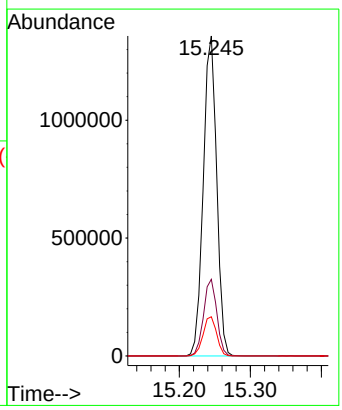


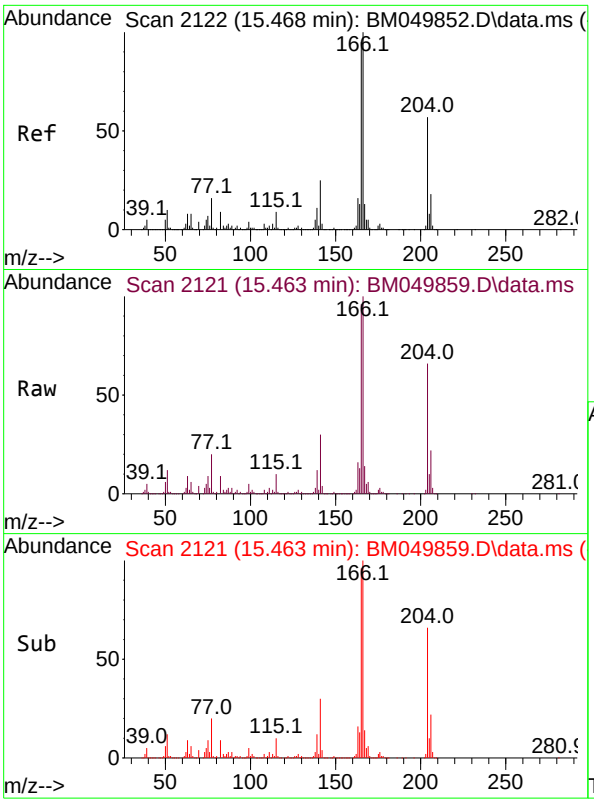


#60
Diethylphthalate
Concen: 41.221 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:149 Resp: 1783776

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.2	9.7	14.5



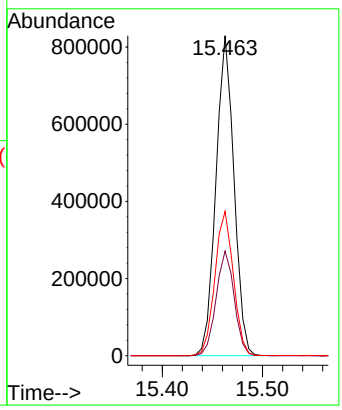


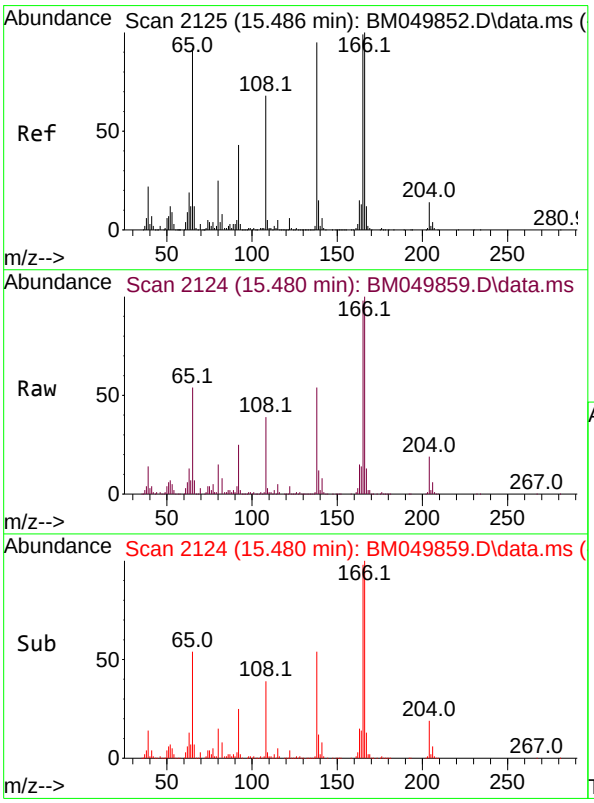
#61
4-Chlorophenyl-phenylether
Concen: 41.905 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1033755

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	45.1	35.0	52.6

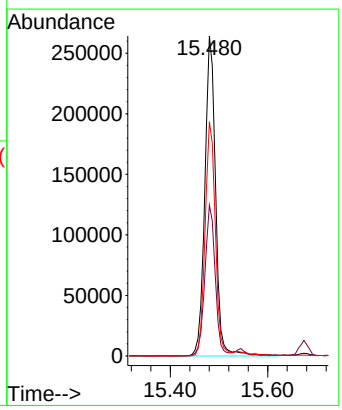


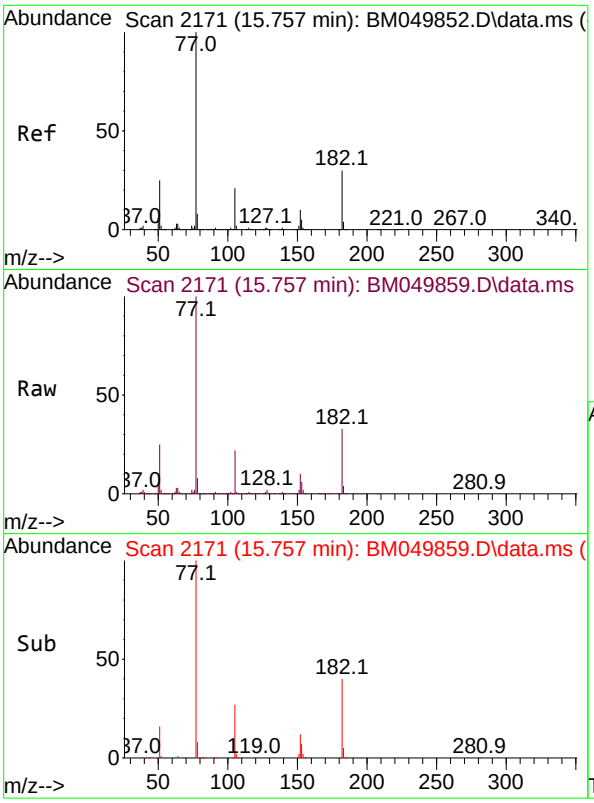


#62
4-Nitroaniline
Concen: 42.866 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:138 Resp: 405060

Ion	Ratio	Lower	Upper
138	100		
92	47.2	24.9	64.9
108	73.2	51.7	91.7



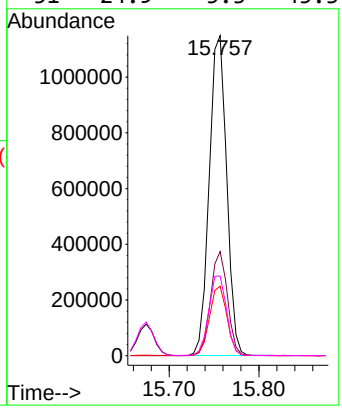


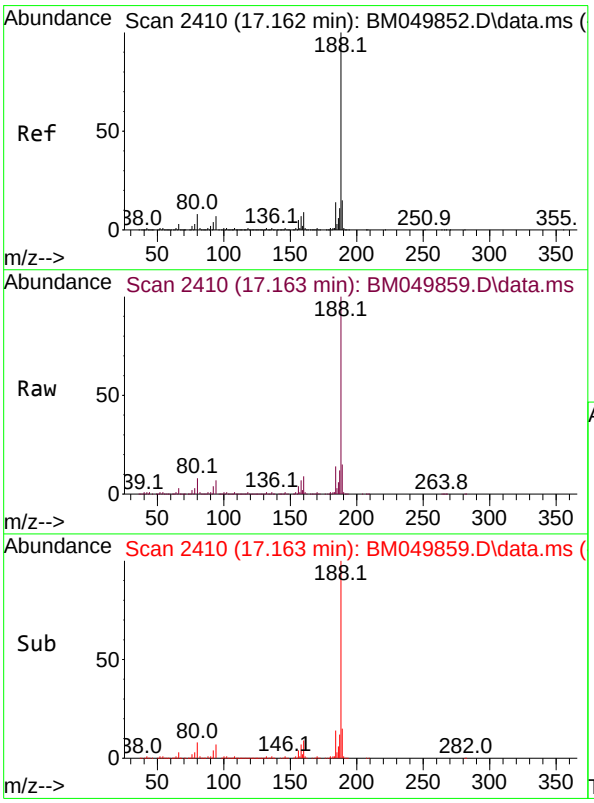
#63
Azobenzene
Concen: 41.769 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1547471

Ion	Ratio	Lower	Upper
77	100		
182	32.6	10.4	50.4
105	21.7	1.5	41.5
51	24.9	5.3	45.3

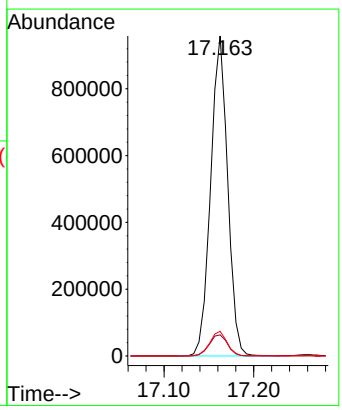


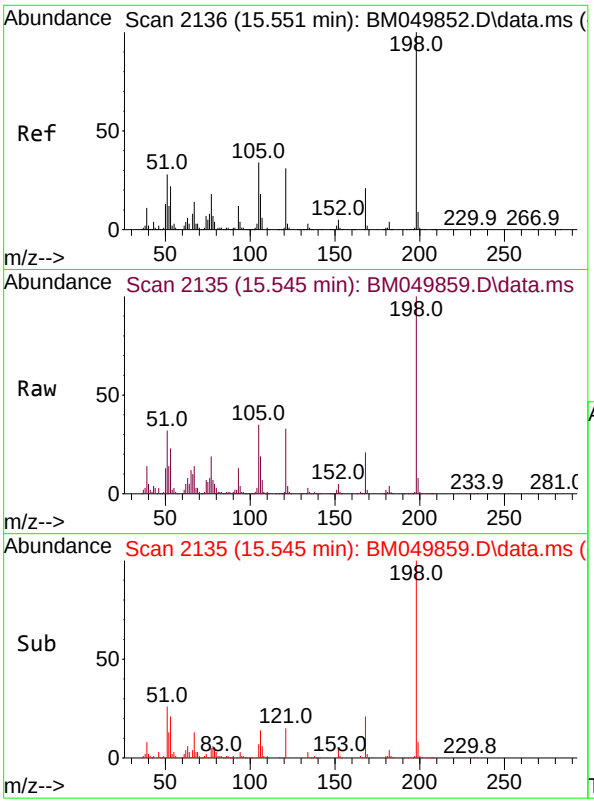


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:188 Resp: 1259632

Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.8	8.6
80	7.7	6.4	9.6



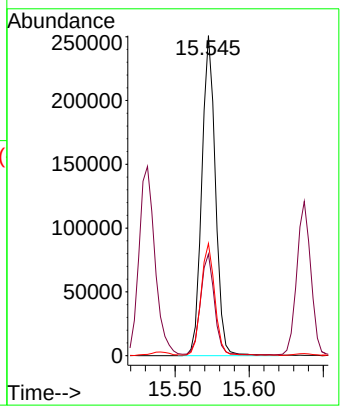


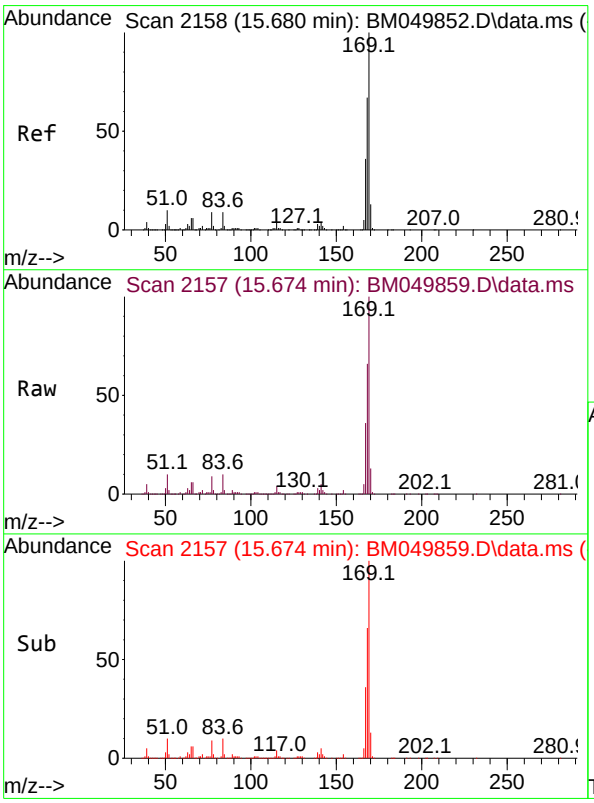
#65
4,6-Dinitro-2-methylphenol
Concen: 40.477 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 321288

Ion	Ratio	Lower	Upper
198	100		
51	31.7	9.6	49.6
105	35.1	14.7	54.7

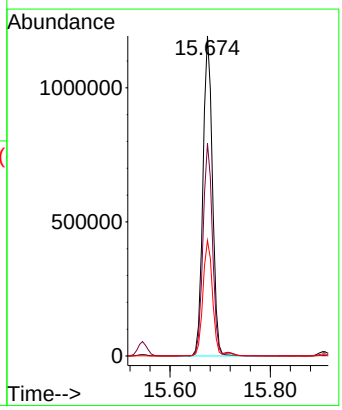


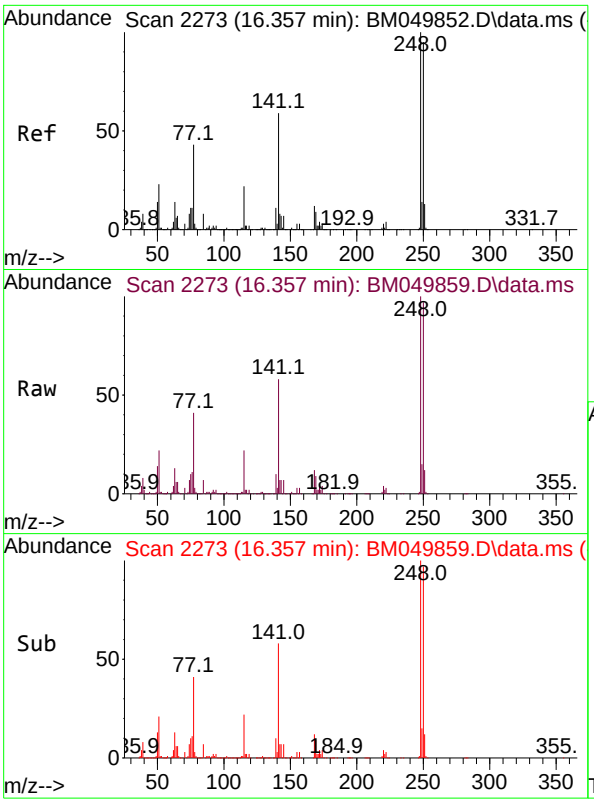


#66
n-Nitrosodiphenylamine
Concen: 41.426 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:169 Resp: 1561601

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.4	80.2
167	36.1	29.0	43.6



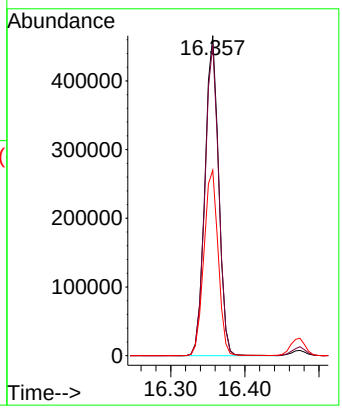


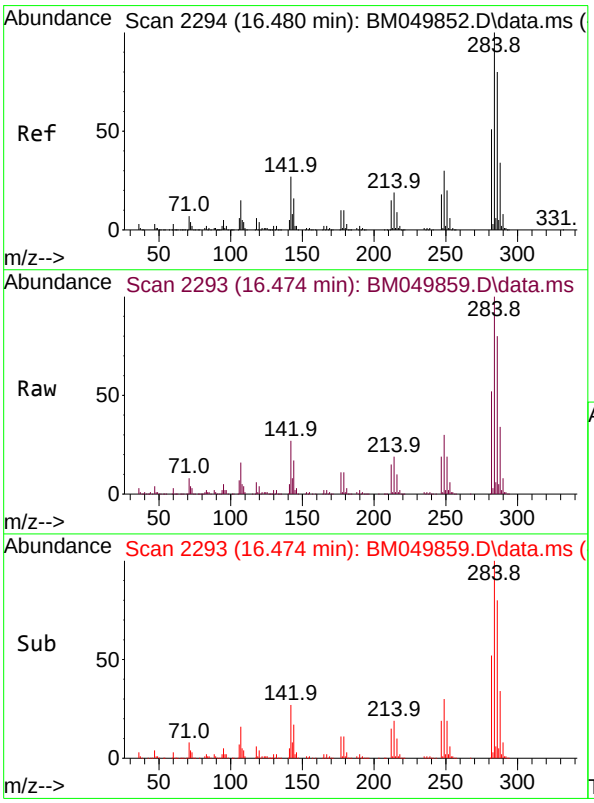
#67
4-Bromophenyl-phenylether
Concen: 40.958 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 598914

Ion	Ratio	Lower	Upper
248	100		
250	97.2	76.2	114.2
141	58.0	47.3	70.9

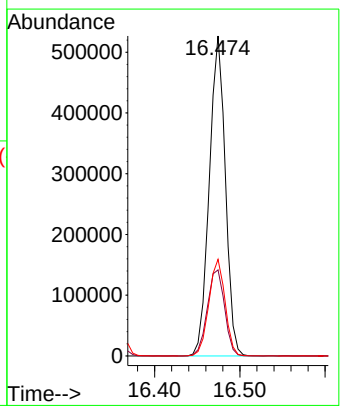


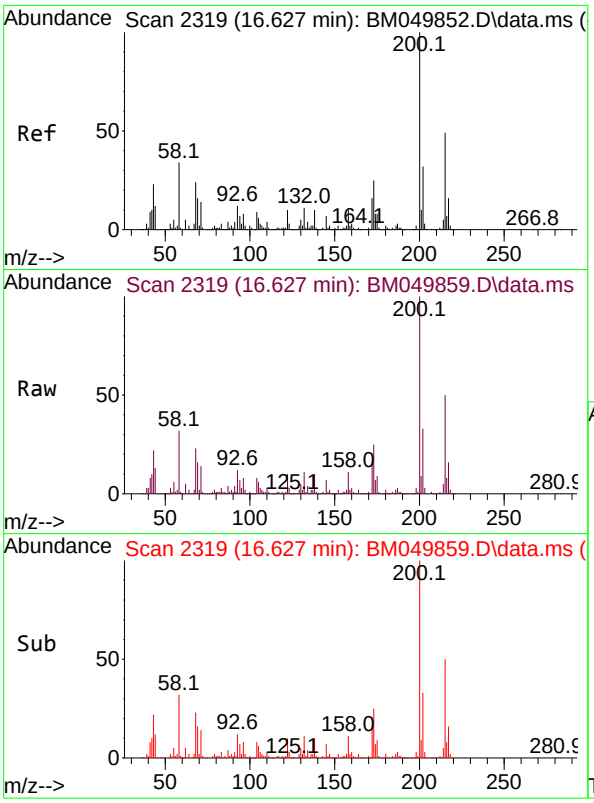


#68
Hexachlorobenzene
Concen: 41.097 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:284 Resp: 689312

Ion	Ratio	Lower	Upper
284	100		
142	26.9	21.2	31.8
249	30.2	24.1	36.1



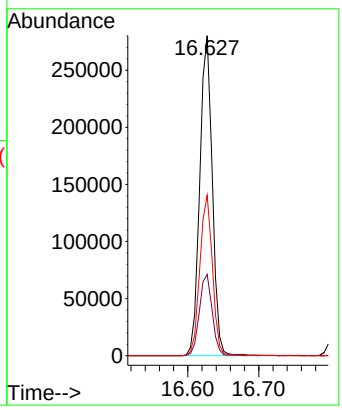


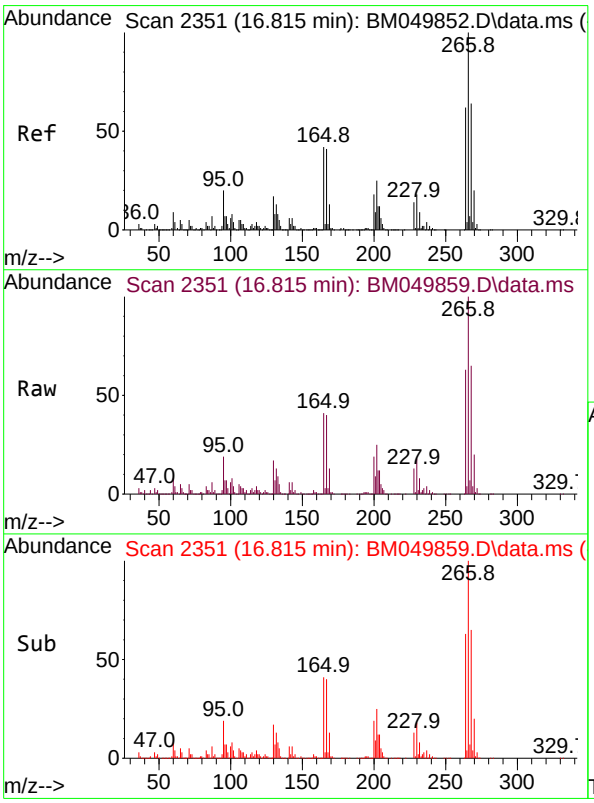
#69
Atrazine
Concen: 35.286 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 344885

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	50.1	29.0	69.0

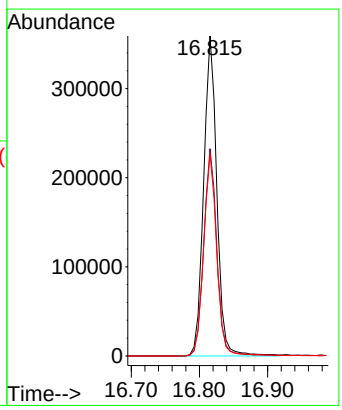


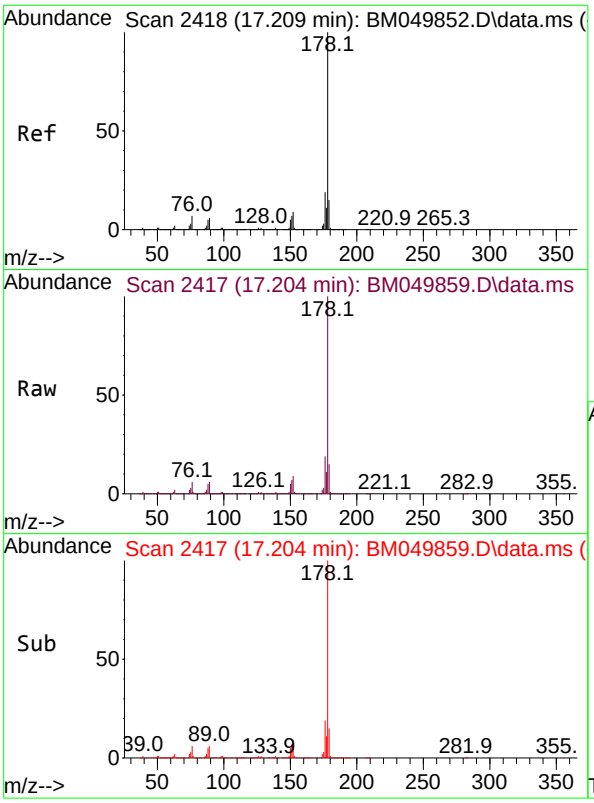


#70
Pentachlorophenol
Concen: 39.115 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:266 Resp: 483011

Ion	Ratio	Lower	Upper
266	100		
268	64.8	51.4	77.2
264	63.0	49.8	74.8



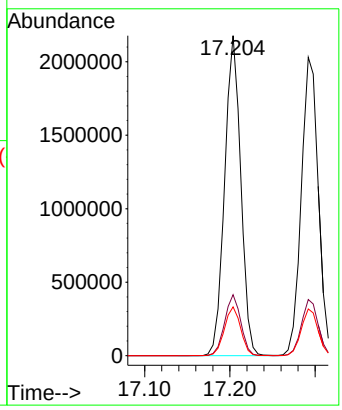


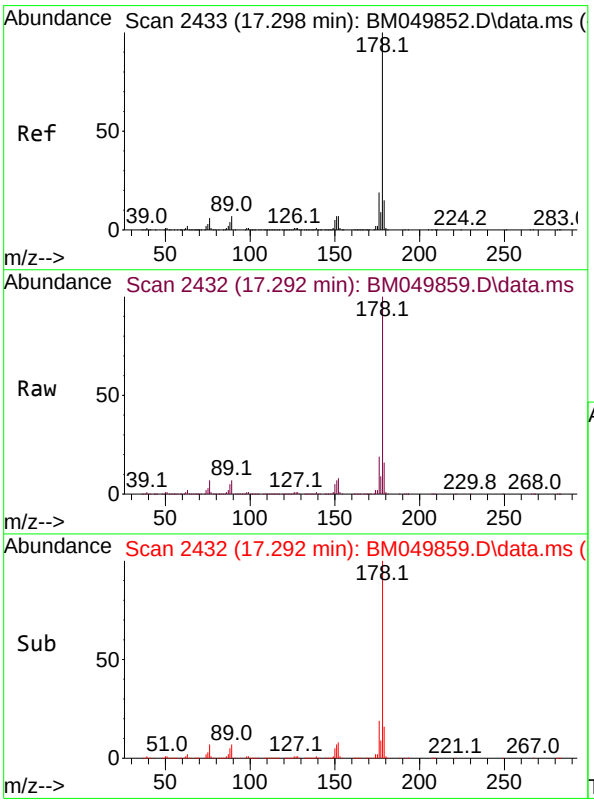
#71
Phenanthrene
Concen: 41.426 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2860783

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.2	12.3	18.5

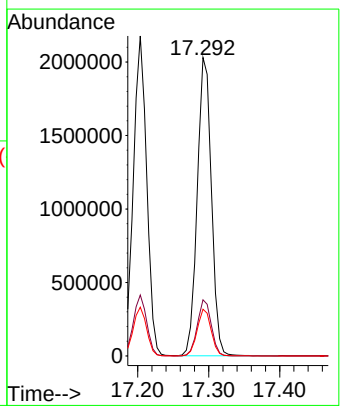


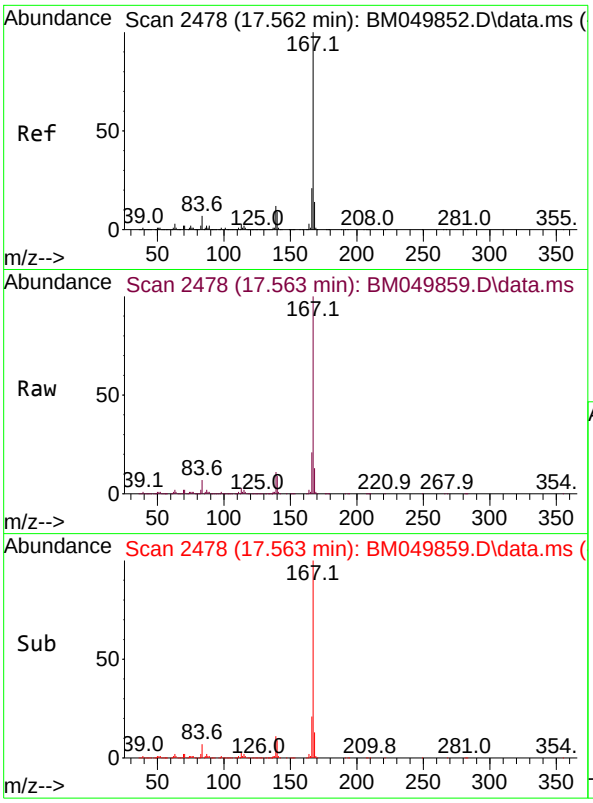


#72
Anthracene
Concen: 41.442 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:178 Resp: 2820342

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.7	12.4	18.6



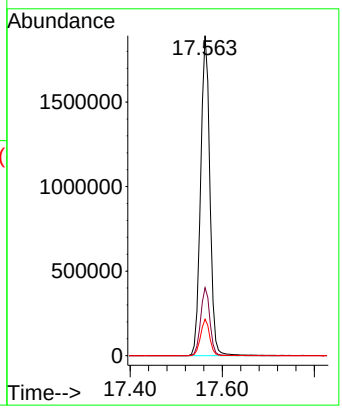


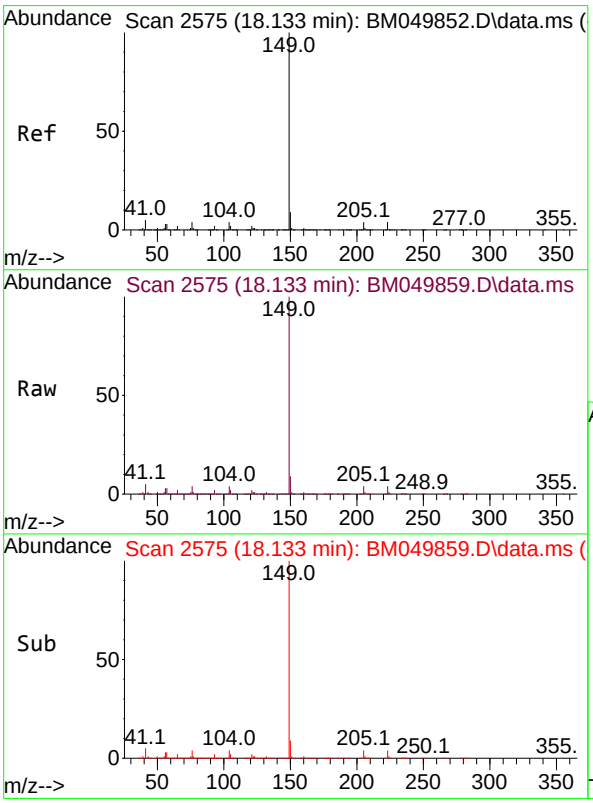
#73
Carbazole
Concen: 41.450 ng
RT: 17.563 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2656943

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	11.4	9.3	13.9

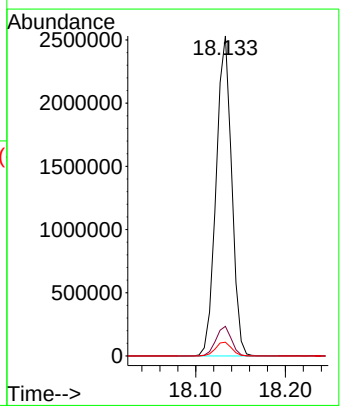


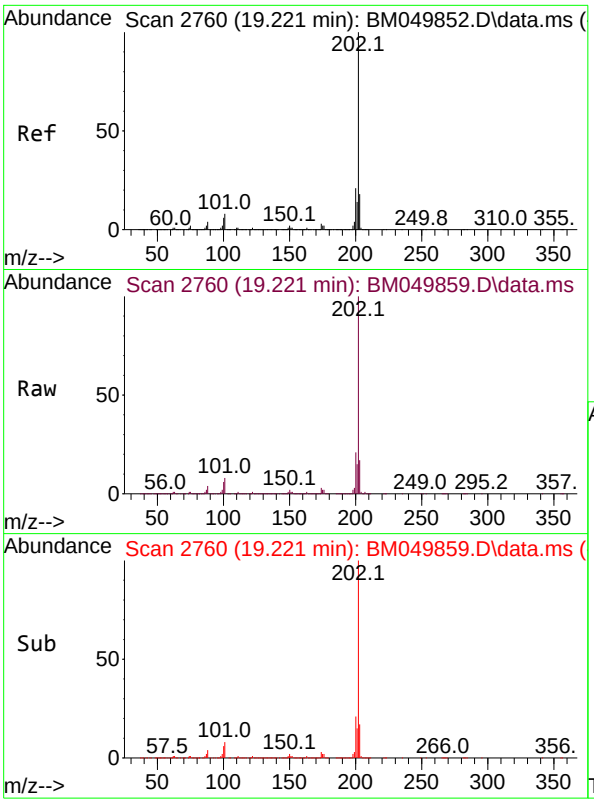


#74
Di-n-butylphthalate
Concen: 41.232 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:149 Resp: 3044210

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.3	3.5	5.3



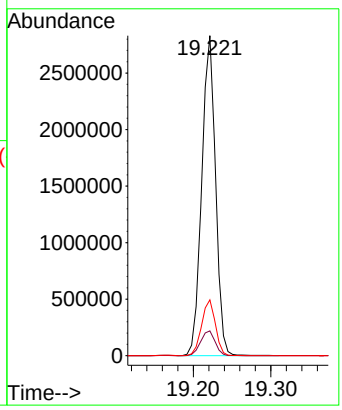


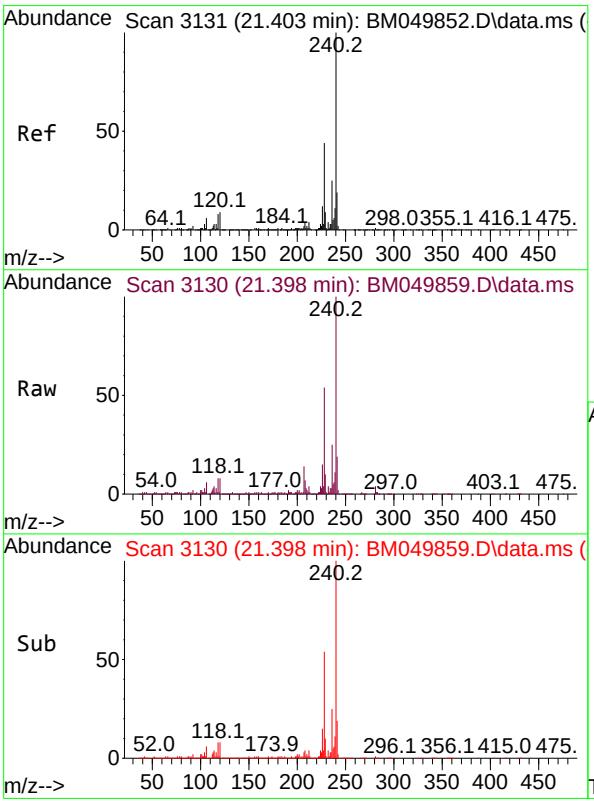
#75
Fluoranthene
Concen: 41.267 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3503995

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	28.4
203	17.5	0.0	37.8

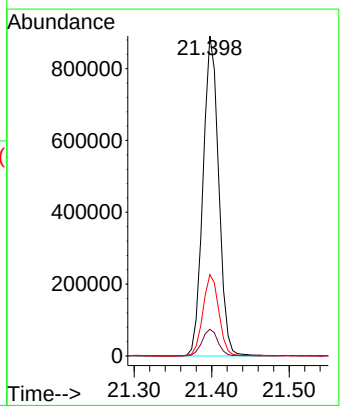


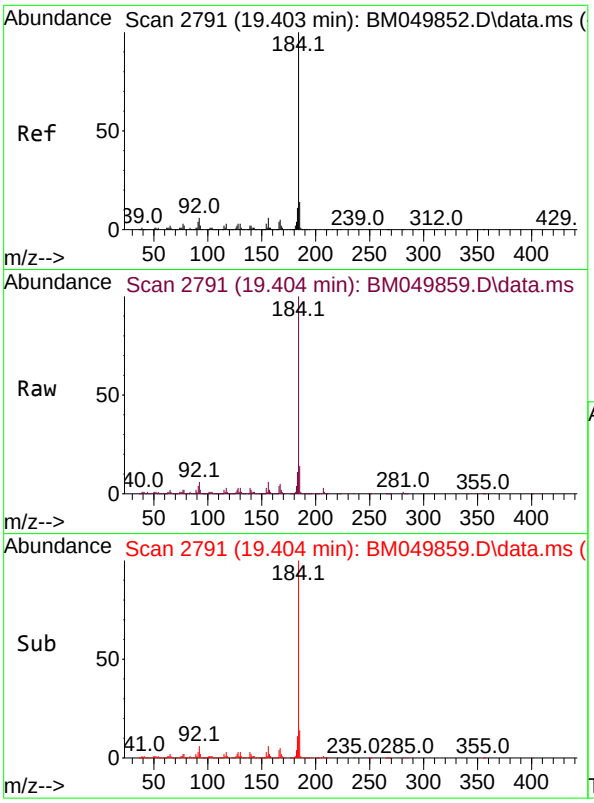


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:240 Resp: 1253559

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.4	20.4	30.6



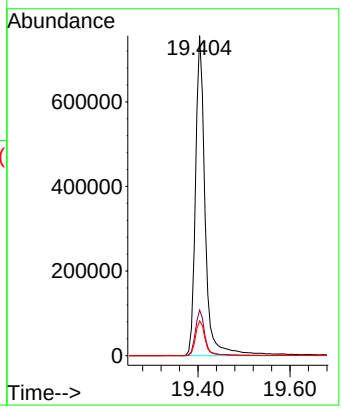


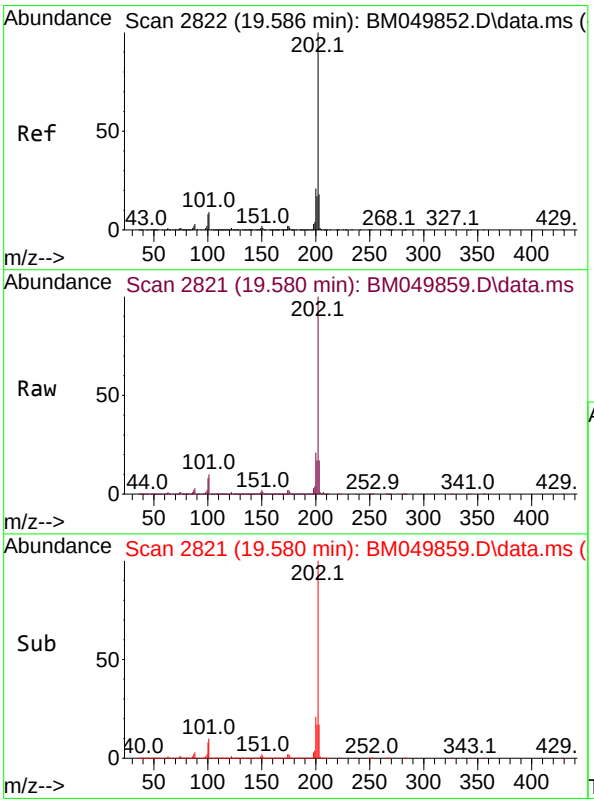
#77
Benzidine
Concen: 66.111 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1099441

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	10.8	8.8	13.2

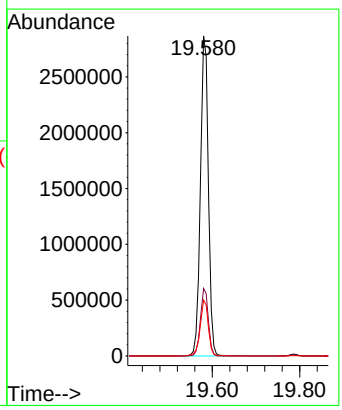


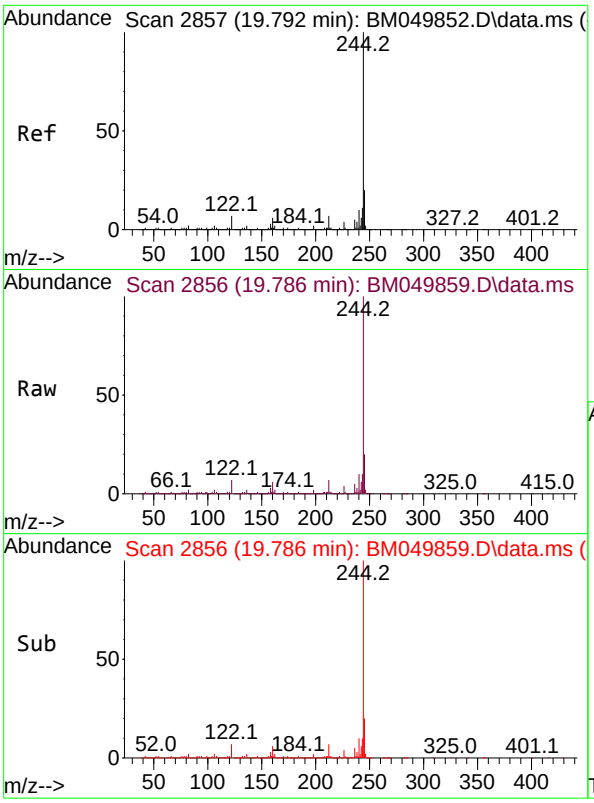


#78
Pyrene
Concen: 41.973 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:202 Resp: 3626164

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7
203	17.5	14.0	21.0



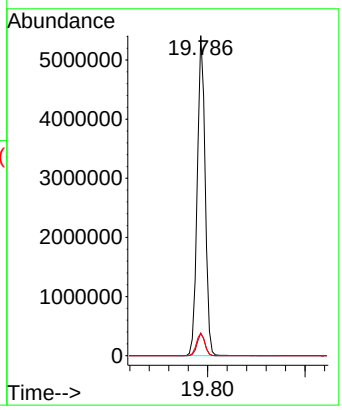


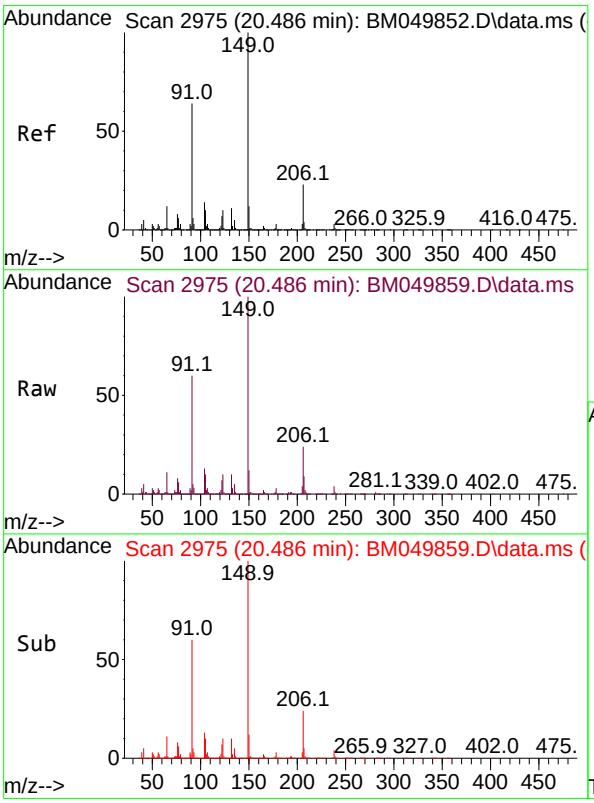
#79
Terphenyl-d14
Concen: 91.698 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 6133685

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	7.0	5.4	8.0

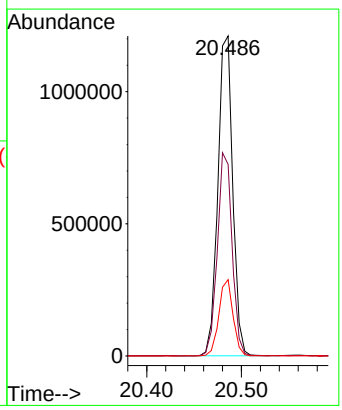


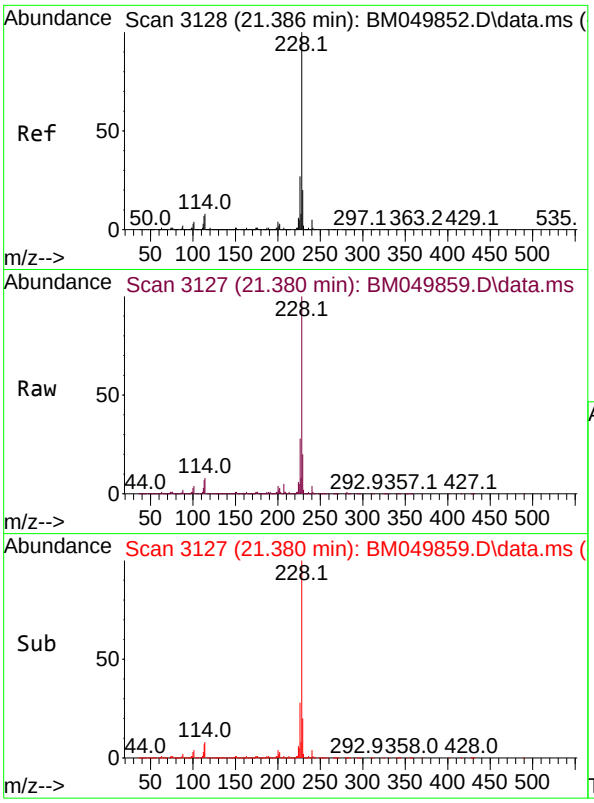


#80
Butylbenzylphthalate
Concen: 40.718 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:149 Resp: 1321828

Ion	Ratio	Lower	Upper
149	100		
91	59.9	50.9	76.3
206	23.9	18.4	27.6



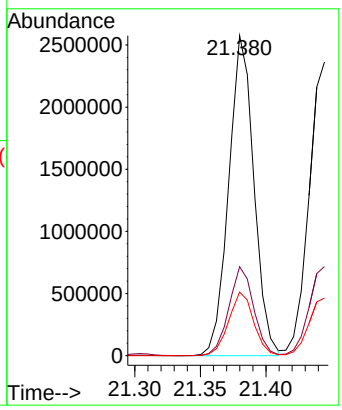


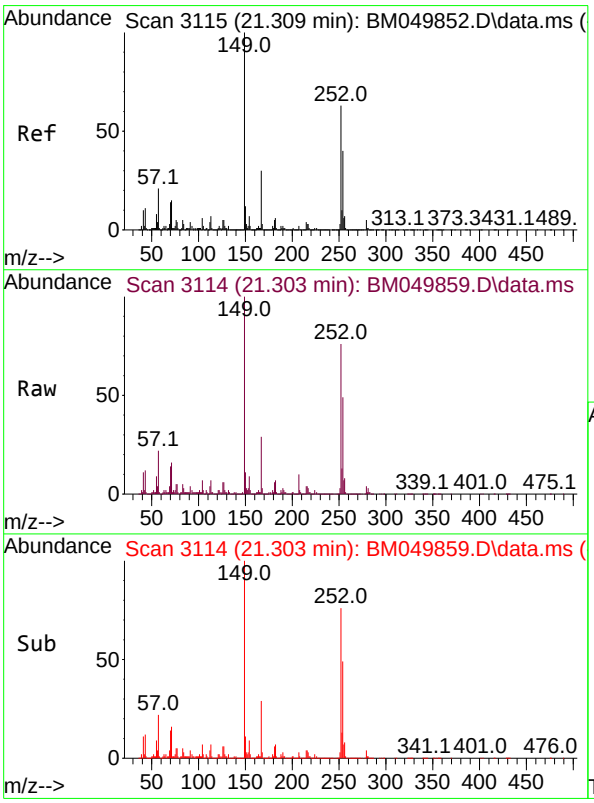
#81
Benzo(a)anthracene
Concen: 41.279 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3439017

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	19.9	15.8	23.8

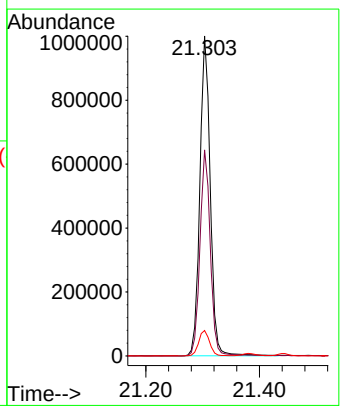


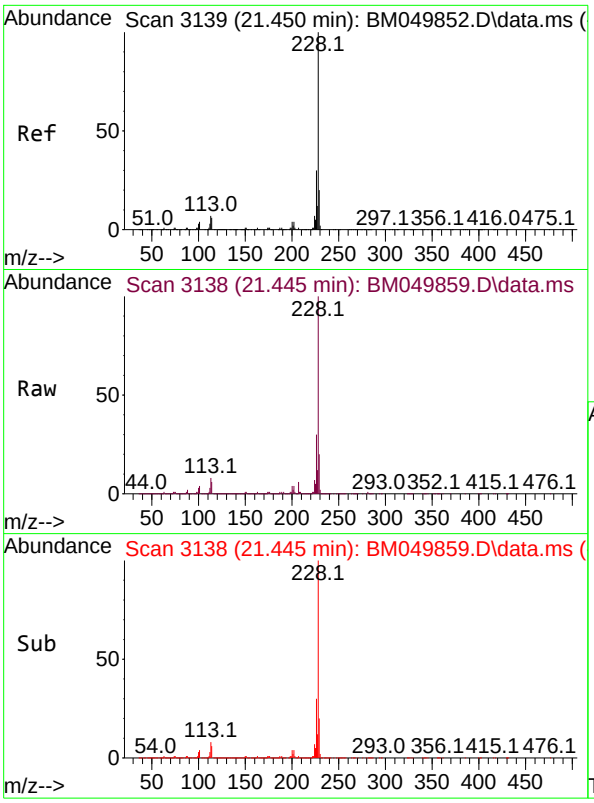


#82
3,3'-Dichlorobenzidine
Concen: 40.373 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:252 Resp: 1270196

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	8.0	6.3	9.5



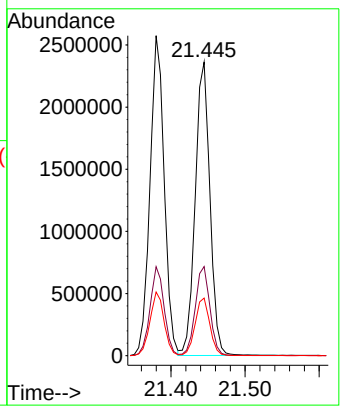


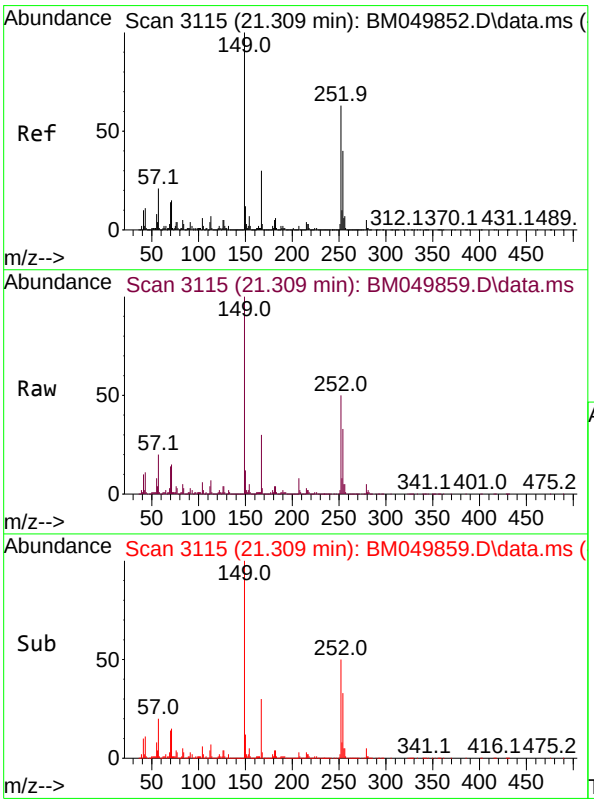
#83
Chrysene
Concen: 41.068 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3252778

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	19.6	15.8	23.6

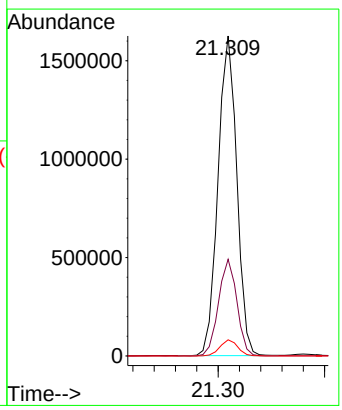


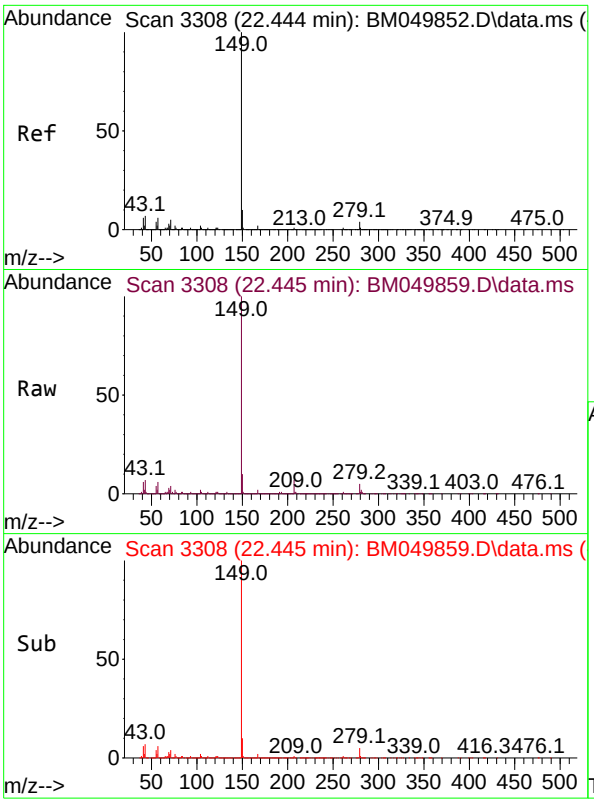


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.914 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:149 Resp: 1982392

Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.8	35.6
279	5.1	3.8	5.8



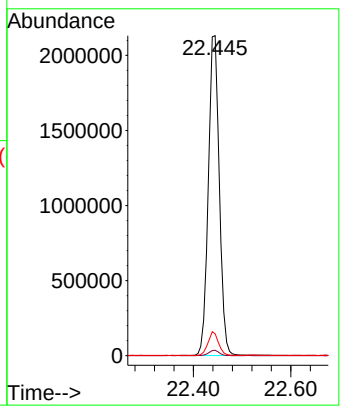


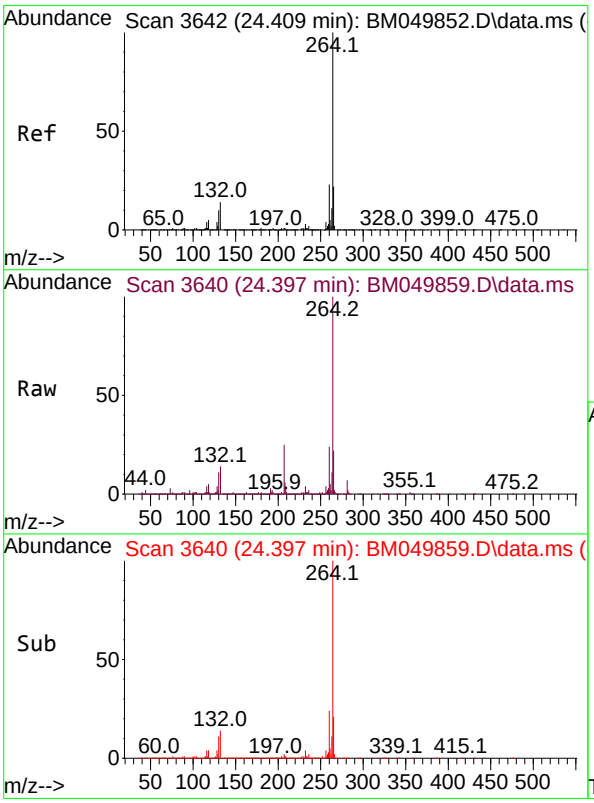
#85
Di-n-octyl phthalate
Concen: 40.029 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 3312050

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.6

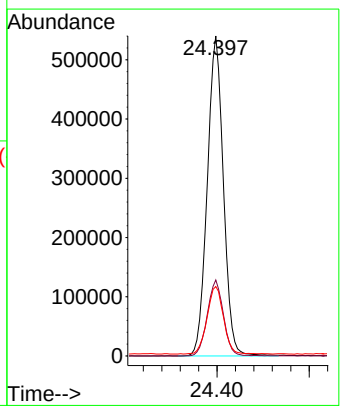


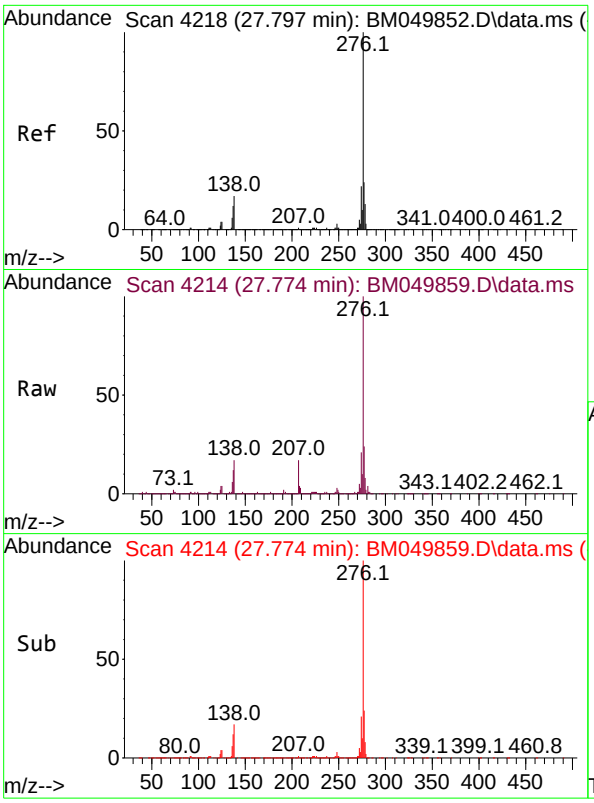


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:264 Resp: 1316817

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.7	17.8	26.8



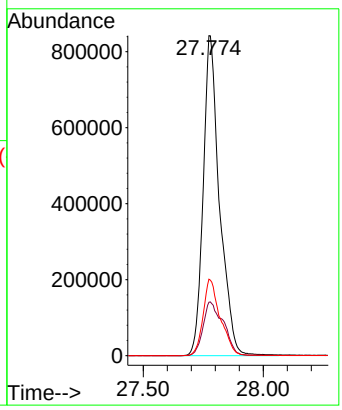


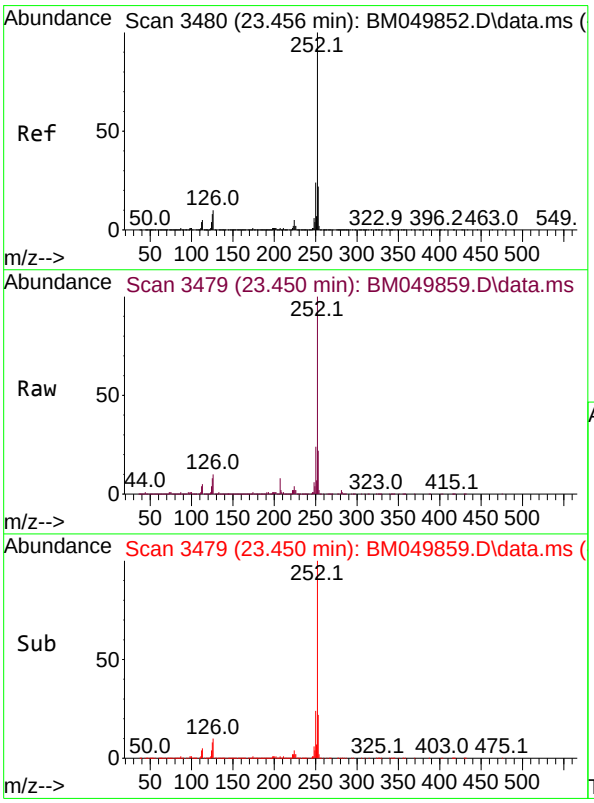
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.621 ng
RT: 27.774 min Scan# 4
Delta R.T. -0.023 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3987202

Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.8	25.2
277	25.1	20.1	30.1

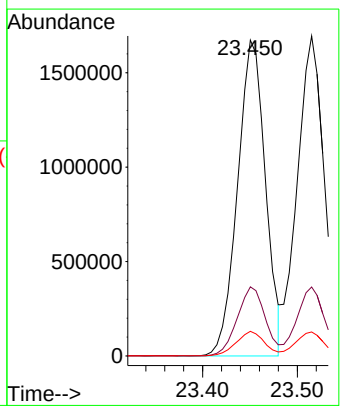


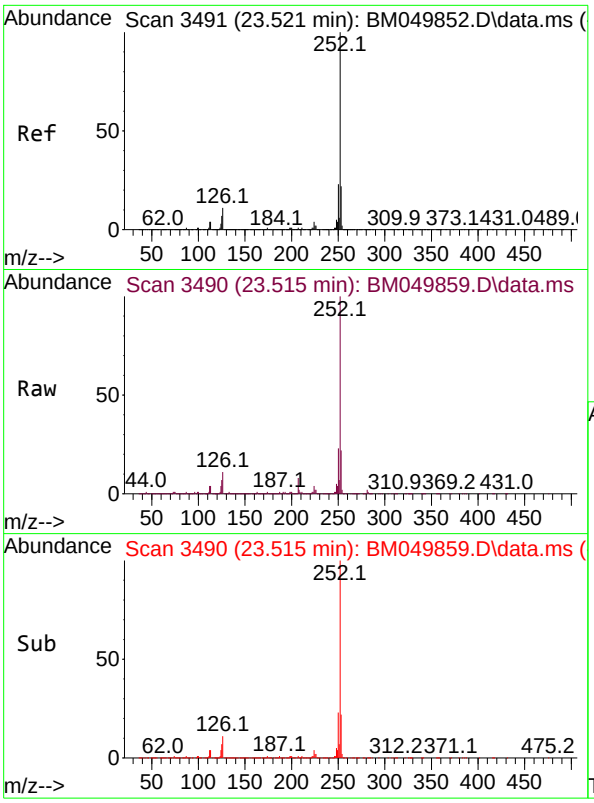


#88
Benzo(b)fluoranthene
Concen: 40.642 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:252 Resp: 3418004

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	7.8	6.2	9.4



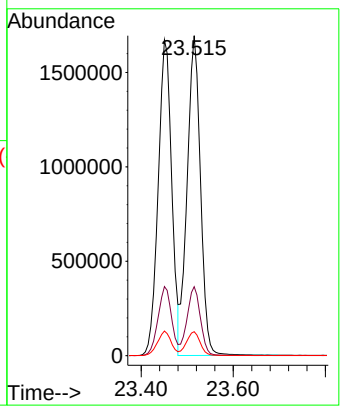


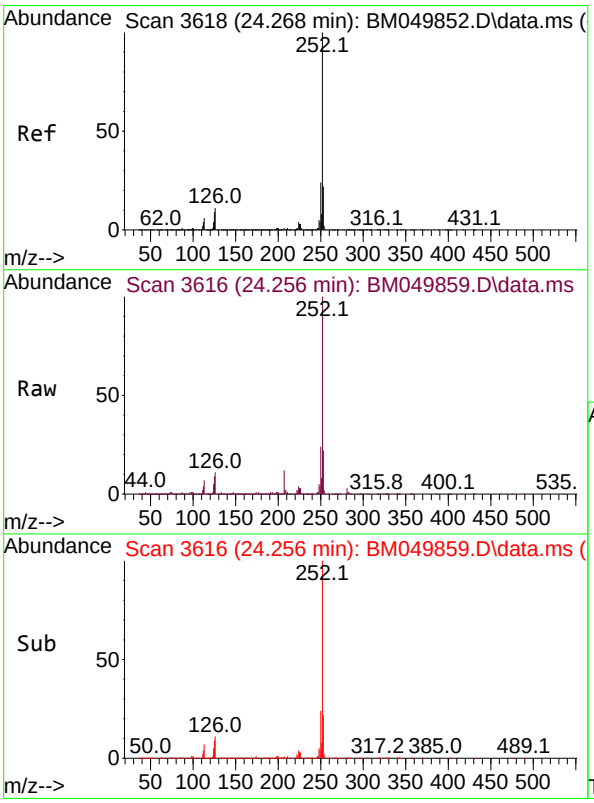
#89
Benzo(k)fluoranthene
Concen: 41.696 ng
RT: 23.515 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3398151

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	7.5	5.8	8.8

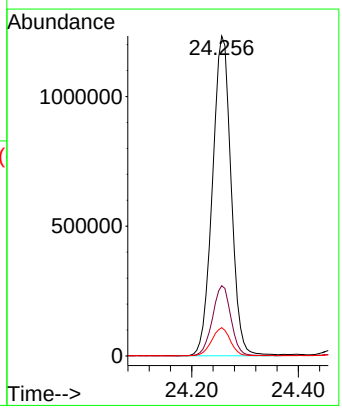


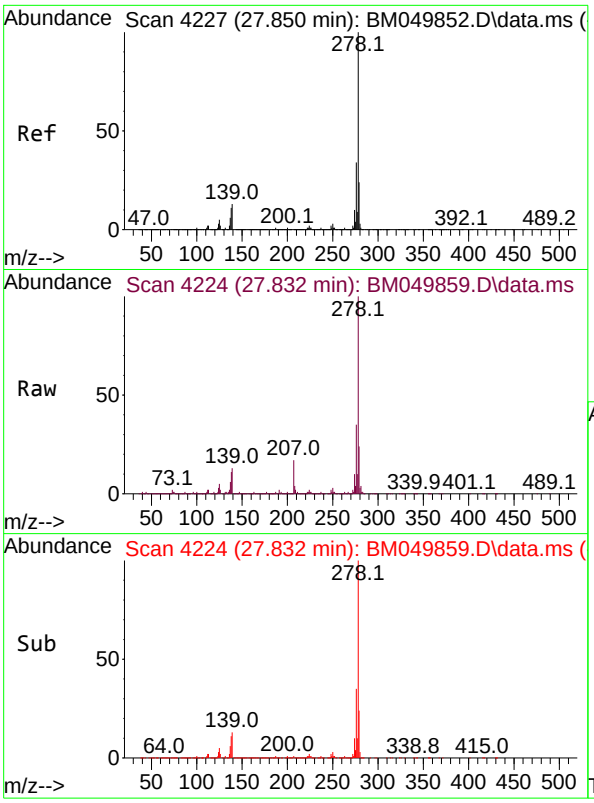


#90
Benzo(a)pyrene
Concen: 40.548 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:252 Resp: 2996579

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	8.9	7.0	10.4



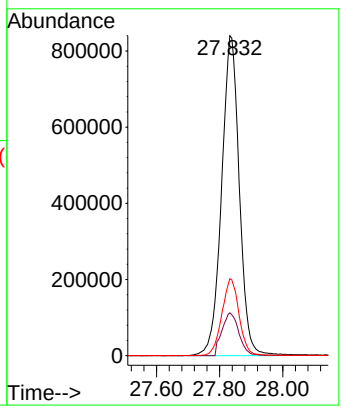


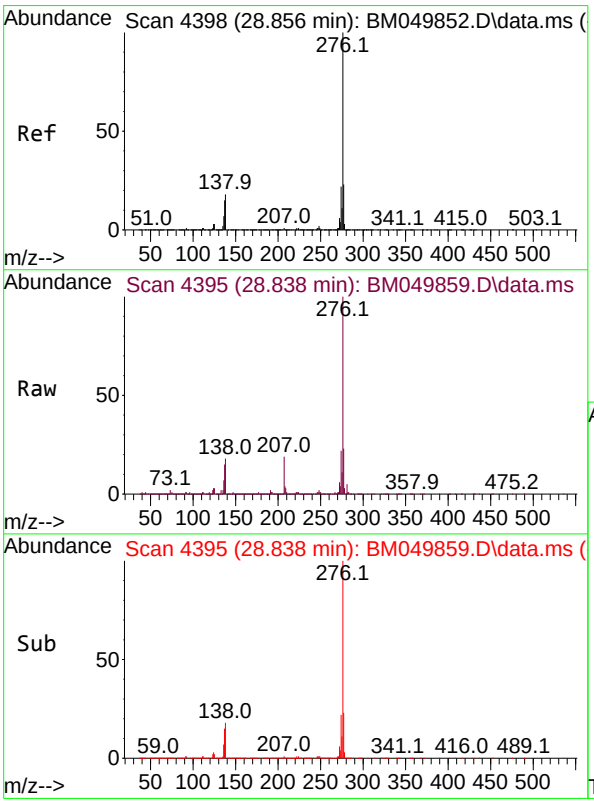
#91
Dibenzo(a,h)anthracene
Concen: 40.504 ng
RT: 27.832 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 3274793

Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.6	15.8
279	24.0	19.1	28.7

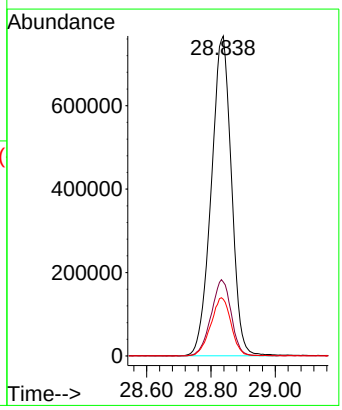




#92
Benzo(g,h,i)perylene
Concen: 40.316 ng
RT: 28.838 min Scan# 4395
Delta R.T. -0.018 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:276 Resp: 3330873

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.7	28.1
138	17.7	14.6	21.8



Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2		1,4-Dioxane	0.485	0.491	-1.2	99	0.00
3		Pyridine	1.274	1.269	0.4	97	0.00
4		n-Nitrosodimethylamine	0.485	0.500	-3.1	100	0.00
5	S	2-Fluorophenol	1.178	1.196	-1.5	99	0.00
6		Aniline	1.256	1.342	-6.8	99	0.00
7	S	Phenol-d6	1.465	1.508	-2.9	99	0.00
8		2-Chlorophenol	1.207	1.229	-1.8	99	0.00
9		Benzaldehyde	0.752	0.661	12.1	86	0.00
10	C	Phenol	1.430	1.460	-2.1	99	0.00
11		bis(2-Chloroethyl)ether	1.121	1.160	-3.5	100	0.00
12		1,3-Dichlorobenzene	1.427	1.453	-1.8	99	0.00
13	C	1,4-Dichlorobenzene	1.436	1.457	-1.5	98	0.00
14		1,2-Dichlorobenzene	1.352	1.379	-2.0	98	0.00
15		Benzyl Alcohol	0.923	0.934	-1.2	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.279	-2.3	99	0.00
17		2-Methylphenol	0.881	0.897	-1.8	99	0.00
18		Hexachloroethane	0.500	0.504	-0.8	98	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.846	-4.2	99	0.00
20		3+4-Methylphenols	1.201	1.214	-1.1	97	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.486	0.499	-2.7	99	0.00
23	S	Nitrobenzene-d5	0.359	0.370	-3.1	100	0.00
24		Nitrobenzene	0.346	0.354	-2.3	98	0.00
25		Isophorone	0.602	0.610	-1.3	98	0.00
26	C	2-Nitrophenol	0.183	0.186	-1.6	97	0.00
27		2,4-Dimethylphenol	0.208	0.214	-2.9	99	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.417	-3.5	100	0.00
29	C	2,4-Dichlorophenol	0.345	0.348	-0.9	97	0.00
30		1,2,4-Trichlorobenzene	0.399	0.403	-1.0	99	0.00
31		Naphthalene	1.028	1.045	-1.7	99	0.00
32		Benzoic acid	0.220	0.241	-9.5	104	0.00
33		4-Chloroaniline	0.363	0.379	-4.4	99	0.00
34	C	Hexachlorobutadiene	0.247	0.252	-2.0	100	0.00
35		Caprolactam	0.099	0.097	2.0	94	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.306	-1.3	98	0.00
37		2-Methylnaphthalene	0.724	0.748	-3.3	101	0.00
38		1-Methylnaphthalene	0.705	0.724	-2.7	100	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.722	-3.1	102	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.263	-7.3	99	0.00
42	S	2,4,6-Tribromophenol	0.291	0.294	-1.0	99	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.457	-2.7	99	0.00
44		2,4,5-Trichlorophenol	0.484	0.490	-1.2	97	0.00
45	S	2-Fluorobiphenyl	1.475	1.541	-4.5	101	0.00
46		1,1'-Biphenyl	1.487	1.543	-3.8	100	0.00
47		2-Chloronaphthalene	1.169	1.198	-2.5	100	0.00

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.270	0.281	-4.1	98	0.00
49		Acenaphthylene	1.702	1.748	-2.7	100	0.00
50		Dimethylphthalate	1.411	1.453	-3.0	100	0.00
51		2,6-Dinitrotoluene	0.296	0.310	-4.7	99	0.00
52	C	Acenaphthene	1.083	1.114	-2.9	99	0.00
53		3-Nitroaniline	0.286	0.305	-6.6	98	0.00
54	P	2,4-Dinitrophenol	0.175	0.181	-3.4	98	0.00
55		Dibenzofuran	1.810	1.863	-2.9	100	0.00
56	P	4-Nitrophenol	0.255	0.271	-6.3	100	0.00
57		2,4-Dinitrotoluene	0.394	0.418	-6.1	99	0.00
58		Fluorene	1.439	1.500	-4.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.427	-0.7	99	0.00
60		Diethylphthalate	1.353	1.394	-3.0	100	0.00
61		4-Chlorophenyl-phenylether	0.771	0.808	-4.8	102	0.00
62		4-Nitroaniline	0.295	0.317	-7.5	98	0.00
63		Azobenzene	1.158	1.210	-4.5	100	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.128	-1.6	97	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.620	-3.5	100	0.00
67		4-Bromophenyl-phenylether	0.232	0.238	-2.6	100	0.00
68		Hexachlorobenzene	0.266	0.274	-3.0	100	0.00
69		Atrazine	0.155	0.137	11.6	106	0.00
70	C	Pentachlorophenol	0.196	0.192	2.0	94	0.00
71		Phenanthrene	1.096	1.136	-3.6	100	0.00
72		Anthracene	1.081	1.120	-3.6	100	0.00
73		Carbazole	1.018	1.055	-3.6	100	0.00
74		Di-n-butylphthalate	1.172	1.208	-3.1	99	0.00
75	C	Fluoranthene	1.348	1.391	-3.2	100	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77		Benzidine	0.265	0.439	-65.7#	107	0.00
78		Pyrene	1.378	1.446	-4.9	101	0.00
79	S	Terphenyl-d14	1.067	1.223	-14.6	101	0.00
80		Butylbenzylphthalate	0.518	0.527	-1.7	97	0.00
81		Benzo(a)anthracene	1.329	1.372	-3.2	99	0.00
82		3,3'-Dichlorobenzidine	0.502	0.507	-1.0	95	0.00
83		Chrysene	1.264	1.297	-2.6	99	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.791	-4.8	99	0.00
85	c	Di-n-octyl phthalate	1.320	1.321	-0.1	95	0.00
86	I	Perylene-d12	1.000	1.000	0.0	95	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.514	-1.5	96	-0.02
88		Benzo(b)fluoranthene	1.277	1.298	-1.6	94	0.00
89		Benzo(k)fluoranthene	1.238	1.290	-4.2	99	0.00
90	C	Benzo(a)pyrene	1.122	1.138	-1.4	96	-0.01
91		Dibenzo(a,h)anthracene	1.228	1.243	-1.2	95	-0.02
92		Benzo(g,h,i)perylene	1.255	1.265	-0.8	95	-0.02

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2		1,4-Dioxane	40.000	40.495	-1.2	99	0.00
3		Pyridine	40.000	39.829	0.4	97	0.00
4		n-Nitrosodimethylamine	40.000	41.224	-3.1	100	0.00
5	S	2-Fluorophenol	80.000	81.241	-1.6	99	0.00
6		Aniline	40.000	42.743	-6.9	99	0.00
7	S	Phenol-d6	80.000	82.351	-2.9	99	0.00
8		2-Chlorophenol	40.000	40.737	-1.8	99	0.00
9		Benzaldehyde	40.000	35.165	12.1	86	0.00
10	C	Phenol	40.000	40.829	-2.1	99	0.00
11		bis(2-Chloroethyl)ether	40.000	41.367	-3.4	100	0.00
12		1,3-Dichlorobenzene	40.000	40.722	-1.8	99	0.00
13	C	1,4-Dichlorobenzene	40.000	40.588	-1.5	98	0.00
14		1,2-Dichlorobenzene	40.000	40.772	-1.9	98	0.00
15		Benzyl Alcohol	40.000	40.500	-1.3	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.937	-2.3	99	0.00
17		2-Methylphenol	40.000	40.722	-1.8	99	0.00
18		Hexachloroethane	40.000	40.379	-0.9	98	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.719	-4.3	99	0.00
20		3+4-Methylphenols	40.000	40.429	-1.1	97	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	41.032	-2.6	99	0.00
23	S	Nitrobenzene-d5	80.000	82.457	-3.1	100	0.00
24		Nitrobenzene	40.000	40.963	-2.4	98	0.00
25		Isophorone	40.000	40.521	-1.3	98	0.00
26	C	2-Nitrophenol	40.000	40.684	-1.7	97	0.00
27		2,4-Dimethylphenol	40.000	41.179	-2.9	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.389	-3.5	100	0.00
29	C	2,4-Dichlorophenol	40.000	40.301	-0.8	97	0.00
30		1,2,4-Trichlorobenzene	40.000	40.309	-0.8	99	0.00
31		Naphthalene	40.000	40.688	-1.7	99	0.00
32		Benzoic acid	40.000	39.334	1.7	104	0.00
33		4-Chloroaniline	40.000	41.809	-4.5	99	0.00
34	C	Hexachlorobutadiene	40.000	40.738	-1.8	100	0.00
35		Caprolactam	40.000	39.211	2.0	94	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.507	-1.3	98	0.00
37		2-Methylnaphthalene	40.000	41.327	-3.3	101	0.00
38		1-Methylnaphthalene	40.000	41.064	-2.7	100	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.284	-3.2	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.977	-7.4	99	0.00
42	S	2,4,6-Tribromophenol	80.000	80.953	-1.2	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.039	-2.6	99	0.00
44		2,4,5-Trichlorophenol	40.000	40.530	-1.3	97	0.00
45	S	2-Fluorobiphenyl	80.000	83.577	-4.5	101	0.00
46		1,1'-Biphenyl	40.000	41.524	-3.8	100	0.00
47		2-Chloronaphthalene	40.000	41.015	-2.5	100	0.00

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	41.593	-4.0	98	0.00
49		Acenaphthylene	40.000	41.073	-2.7	100	0.00
50		Dimethylphthalate	40.000	41.189	-3.0	100	0.00
51		2,6-Dinitrotoluene	40.000	41.996	-5.0	99	0.00
52	C	Acenaphthene	40.000	41.171	-2.9	99	0.00
53		3-Nitroaniline	40.000	42.701	-6.8	98	0.00
54	P	2,4-Dinitrophenol	40.000	38.069	4.8	98	0.00
55		Dibenzofuran	40.000	41.175	-2.9	100	0.00
56	P	4-Nitrophenol	40.000	42.636	-6.6	100	0.00
57		2,4-Dinitrotoluene	40.000	42.388	-6.0	99	0.00
58		Fluorene	40.000	41.695	-4.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.243	-0.6	99	0.00
60		Diethylphthalate	40.000	41.221	-3.1	100	0.00
61		4-Chlorophenyl-phenylether	40.000	41.905	-4.8	102	0.00
62		4-Nitroaniline	40.000	42.866	-7.2	98	0.00
63		Azobenzene	40.000	41.769	-4.4	100	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.477	-1.2	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.426	-3.6	100	0.00
67		4-Bromophenyl-phenylether	40.000	40.958	-2.4	100	0.00
68		Hexachlorobenzene	40.000	41.097	-2.7	100	0.00
69		Atrazine	40.000	35.286	11.8	106	0.00
70	C	Pentachlorophenol	40.000	39.115	2.2	94	0.00
71		Phenanthrene	40.000	41.426	-3.6	100	0.00
72		Anthracene	40.000	41.442	-3.6	100	0.00
73		Carbazole	40.000	41.450	-3.6	100	0.00
74		Di-n-butylphthalate	40.000	41.232	-3.1	99	0.00
75	C	Fluoranthene	40.000	41.267	-3.2	100	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77		Benzidine	40.000	66.111	-65.3#	107	0.00
78		Pyrene	40.000	41.973	-4.9	101	0.00
79	S	Terphenyl-d14	80.000	91.698	-14.6	101	0.00
80		Butylbenzylphthalate	40.000	40.718	-1.8	97	0.00
81		Benzo(a)anthracene	40.000	41.279	-3.2	99	0.00
82		3,3'-Dichlorobenzidine	40.000	40.373	-0.9	95	0.00
83		Chrysene	40.000	41.068	-2.7	99	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.914	-4.8	99	0.00
85	c	Di-n-octyl phthalate	40.000	40.029	-0.1	95	0.00
86	I	Perylene-d12	20.000	20.000	0.0	95	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.621	-1.6	96	-0.02
88		Benzo(b)fluoranthene	40.000	40.642	-1.6	94	0.00
89		Benzo(k)fluoranthene	40.000	41.696	-4.2	99	0.00
90	C	Benzo(a)pyrene	40.000	40.548	-1.4	96	-0.01
91		Dibenzo(a,h)anthracene	40.000	40.504	-1.3	95	-0.02
92		Benzo(g,h,i)perylene	40.000	40.316	-0.8	95	-0.02

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date/Time: 04/10/2025 09:32

Lab File ID: BM049876.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.166		-1.0	
Benzaldehyde	0.752	0.687		-8.6	
Phenol-d6	1.465	1.437		-1.9	
Phenol	1.430	1.404		-1.8	20.0
bis(2-Chloroethyl)ether	1.121	1.103		-1.6	
2-Chlorophenol	1.207	1.188		-1.6	
2-Methylphenol	0.881	0.857		-2.7	
2,2-oxybis(1-Chloropropane)	1.250	1.227		-1.8	
Acetophenone	0.486	0.492		1.2	
3+4-Methylphenols	1.201	1.171		-2.5	
n-Nitroso-di-n-propylamine	0.812	0.797	0.050	-1.8	
Nitrobenzene-d5	0.359	0.367		2.2	
Hexachloroethane	0.500	0.490		-2.0	
Nitrobenzene	0.346	0.348		0.6	
Isophorone	0.602	0.607		0.8	
2-Nitrophenol	0.183	0.190		3.8	20.0
2,4-Dimethylphenol	0.208	0.213		2.4	
bis(2-Chloroethoxy)methane	0.403	0.407		1.0	
2,4-Dichlorophenol	0.345	0.354		2.6	20.0
Naphthalene	1.028	1.040		1.2	
4-Chloroaniline	0.363	0.372		2.5	
Hexachlorobutadiene	0.247	0.257		4.0	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.302	0.304		0.7	20.0
2-Methylnaphthalene	0.724	0.739		2.1	
Hexachlorocyclopentadiene	0.245	0.267	0.050	9.0	
2,4,6-Trichlorophenol	0.445	0.462		3.8	20.0
2-Fluorobiphenyl	1.475	1.523		3.3	
2,4,5-Trichlorophenol	0.484	0.499		3.1	
1,1-Biphenyl	1.487	1.523		2.4	
2-Chloronaphthalene	1.169	1.192		2.0	
2-Nitroaniline	0.270	0.275		1.9	
Dimethylphthalate	1.411	1.436		1.8	
Acenaphthylene	1.702	1.738		2.1	
2,6-Dinitrotoluene	0.296	0.308		4.1	
3-Nitroaniline	0.286	0.303		5.9	
Acenaphthene	1.083	1.105		2.0	20.0
2,4-Dinitrophenol	0.175	0.186	0.050	6.3	
4-Nitrophenol	0.255	0.263	0.050	3.1	

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: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date/Time: 04/10/2025 09:32

Lab File ID: BM049876.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.810	1.845		1.9	
2,4-Dinitrotoluene	0.394	0.418		6.1	
Diethylphthalate	1.353	1.368		1.1	
4-Chlorophenyl-phenylether	0.771	0.783		1.6	
Fluorene	1.439	1.462		1.6	
4-Nitroaniline	0.295	0.311		5.4	
4,6-Dinitro-2-methylphenol	0.126	0.129		2.4	
n-Nitrosodiphenylamine	0.599	0.614		2.5	20.0
2,4,6-Tribromophenol	0.291	0.295		1.4	
4-Bromophenyl-phenylether	0.232	0.240		3.4	
Hexachlorobenzene	0.266	0.274		3.0	
Atrazine	0.155	0.167		7.7	
Pentachlorophenol	0.196	0.195		-0.5	20.0
Phenanthrene	1.096	1.123		2.5	
Anthracene	1.081	1.111		2.8	
Carbazole	1.018	1.043		2.5	
Di-n-butylphthalate	1.172	1.210		3.2	
Fluoranthene	1.348	1.368		1.5	20.0
Pyrene	1.378	1.448		5.1	
Terphenyl-d14	1.067	1.192		11.7	
Butylbenzylphthalate	0.518	0.545		5.2	
3,3-Dichlorobenzidine	0.502	0.524		4.4	
Benzo(a)anthracene	1.329	1.351		1.7	
Chrysene	1.264	1.292		2.2	
Bis(2-ethylhexyl)phthalate	0.755	0.777		2.9	
Di-n-octyl phthalate	1.320	1.367		3.6	20.0
Benzo(b)fluoranthene	1.277	1.267		-0.8	
Benzo(k)fluoranthene	1.238	1.241		0.2	
Benzo(a)pyrene	1.122	1.131		0.8	20.0
Indeno(1,2,3-cd)pyrene	1.491	1.512		1.4	
Dibenzo(a,h)anthracene	1.228	1.240		1.0	
Benzo(g,h,i)perylene	1.255	1.269		1.1	
1,2,4,5-Tetrachlorobenzene	0.700	0.726		3.7	
1,4-Dioxane	0.485	0.475		-2.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.428		0.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	319220	20.000	ng		0.00
21) Naphthalene-d8	10.574	136	1042650	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	653251	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1279702	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1240973	20.000	ng		0.00
86) Perylene-d12	24.397	264	1368352	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	1489448	79.230	ng		0.00
7) Phenol-d6	6.951	99	1835259	78.466	ng		0.00
23) Nitrobenzene-d5	8.933	82	1528609	81.639	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	771794	81.226	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	3980551	82.628	ng		0.00
79) Terphenyl-d14	19.786	244	5918915	89.384	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	303115	39.152	ng		99
3) Pyridine	3.663	79	796815	39.173	ng		98
4) n-Nitrosodimethylamine	3.569	42	307458	39.718	ng		95
6) Aniline	7.104	93	806150	40.224	ng		100
8) 2-Chlorophenol	7.345	128	758611	39.377	ng		99
9) Benzaldehyde	6.916	77	438868	36.564	ng		100
10) Phenol	6.981	94	896341	39.271	ng		98
11) bis(2-Chloroethyl)ether	7.204	93	704248	39.346	ng		99
12) 1,3-Dichlorobenzene	7.669	146	912645	40.069	ng		98
13) 1,4-Dichlorobenzene	7.816	146	911298	39.763	ng		99
14) 1,2-Dichlorobenzene	8.128	146	857096	39.705	ng		99
15) Benzyl Alcohol	8.016	79	578059	39.248	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.310	45	783113	39.254	ng		100
17) 2-Methylphenol	8.222	107	547247	38.907	ng		100
18) Hexachloroethane	8.857	117	312572	39.202	ng		97
19) n-Nitroso-di-n-propyla...	8.586	70	508773	39.274	ng		99
20) 3+4-Methylphenols	8.551	107	747832	38.998	ng		99
22) Acetophenone	8.598	105	1025739	40.480	ng	#	98
24) Nitrobenzene	8.975	77	725038	40.214	ng		97
25) Isophorone	9.504	82	1266219	40.369	ng		99
26) 2-Nitrophenol	9.686	139	396697	41.513	ng		99
27) 2,4-Dimethylphenol	9.751	122	445043	41.095	ng		100
28) bis(2-Chloroethoxy)met...	9.986	93	848995	40.430	ng		99
29) 2,4-Dichlorophenol	10.222	162	737969	40.995	ng		100
30) 1,2,4-Trichlorobenzene	10.439	180	853822	40.999	ng		100
31) Naphthalene	10.622	128	2168888	40.483	ng		100
32) Benzoic acid	9.886	122	507659	39.630	ng		98
33) 4-Chloroaniline	10.727	127	776309	41.035	ng		99
34) Hexachlorobutadiene	10.910	225	536216	41.626	ng		97
35) Caprolactam	11.510	113	201494	39.026	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	632987	40.143	ng		100
37) 2-Methylnaphthalene	12.239	142	1541101	40.827	ng		99
38) 1-Methylnaphthalene	12.457	142	1487131	40.439	ng		100
40) 1,2,4,5-Tetrachloroben...	12.610	216	948924	41.521	ng		99
41) Hexachlorocyclopentadiene	12.592	237	348379	43.503	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	603479	41.497	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

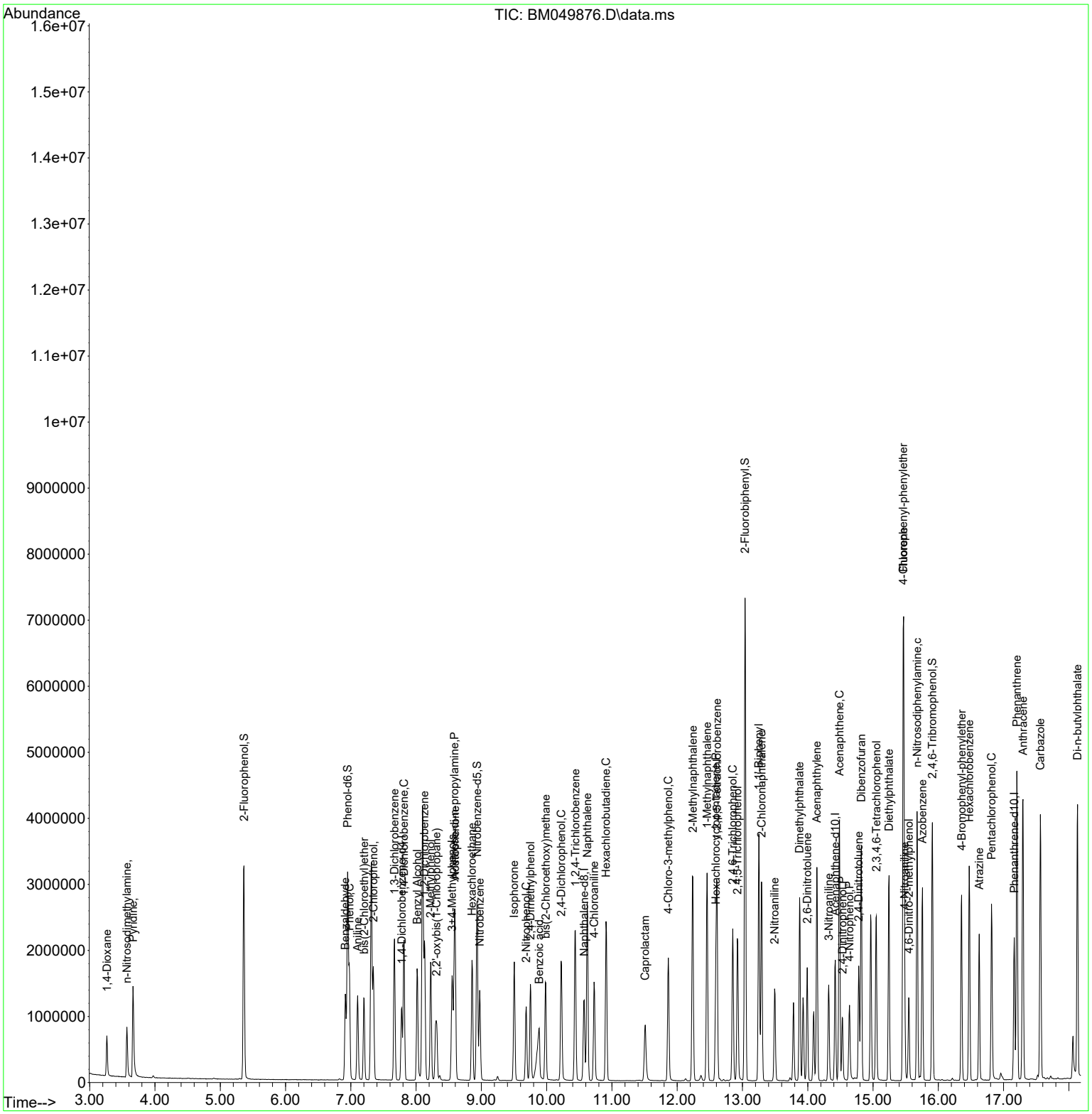
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	651481	41.224	ng	98
46) 1,1'-Biphenyl	13.251	154	1989806	40.976	ng	99
47) 2-Chloronaphthalene	13.292	162	1556856	40.790	ng	99
48) 2-Nitroaniline	13.492	65	359891	40.758	ng	97
49) Acenaphthylene	14.139	152	2270125	40.832	ng	100
50) Dimethylphthalate	13.874	163	1875746	40.701	ng	99
51) 2,6-Dinitrotoluene	13.992	165	402852	41.722	ng	98
52) Acenaphthene	14.486	154	1444316	40.841	ng	99
53) 3-Nitroaniline	14.321	138	396394	42.476	ng	97
54) 2,4-Dinitrophenol	14.533	184	243202	38.865	ng	97
55) Dibenzofuran	14.821	168	2410617	40.776	ng	99
56) 4-Nitrophenol	14.639	139	343910	41.354	ng	98
57) 2,4-Dinitrotoluene	14.780	165	546172	42.400	ng	96
58) Fluorene	15.468	166	1910592	40.657	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	558780	40.341	ng	99
60) Diethylphthalate	15.245	149	1786820	40.430	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1022448	40.582	ng	99
62) 4-Nitroaniline	15.486	138	405788	42.047	ng	99
63) Azobenzene	15.756	77	1535782	40.588	ng	97
65) 4,6-Dinitro-2-methylph...	15.551	198	329580	40.870	ng	98
66) n-Nitrosodiphenylamine	15.674	169	1572499	41.061	ng	100
67) 4-Bromophenyl-phenylether	16.356	248	613620	41.305	ng	97
68) Hexachlorobenzene	16.474	284	700815	41.127	ng	98
69) Atrazine	16.627	200	427194	43.022	ng	99
70) Pentachlorophenol	16.815	266	498137	39.707	ng	99
71) Phenanthrene	17.203	178	2875162	40.981	ng	100
72) Anthracene	17.298	178	2843094	41.121	ng	99
73) Carbazole	17.562	167	2670007	41.001	ng	100
74) Di-n-butylphthalate	18.133	149	3096383	41.281	ng	100
75) Fluoranthene	19.221	202	3501102	40.587	ng	99
77) Benzidine	19.403	184	1135587	68.977	ng	99
78) Pyrene	19.586	202	3594146	42.024	ng	99
80) Butylbenzylphthalate	20.480	149	1352556	42.088	ng	100
81) Benzo(a)anthracene	21.380	228	3353051	40.656	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1301185	41.777	ng	100
83) Chrysene	21.444	228	3206035	40.889	ng	99
84) Bis(2-ethylhexyl)phtha...	21.303	149	1929348	41.206	ng	99
85) Di-n-octyl phthalate	22.438	149	3392272	41.414	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	4138430	40.573	ng	99
88) Benzo(b)fluoranthene	23.450	252	3467341	39.676	ng	100
89) Benzo(k)fluoranthene	23.515	252	3396697	40.108	ng	100
90) Benzo(a)pyrene	24.256	252	3095192	40.305	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	3392168	40.376	ng	100
92) Benzo(g,h,i)perylene	28.844	276	3473125	40.455	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
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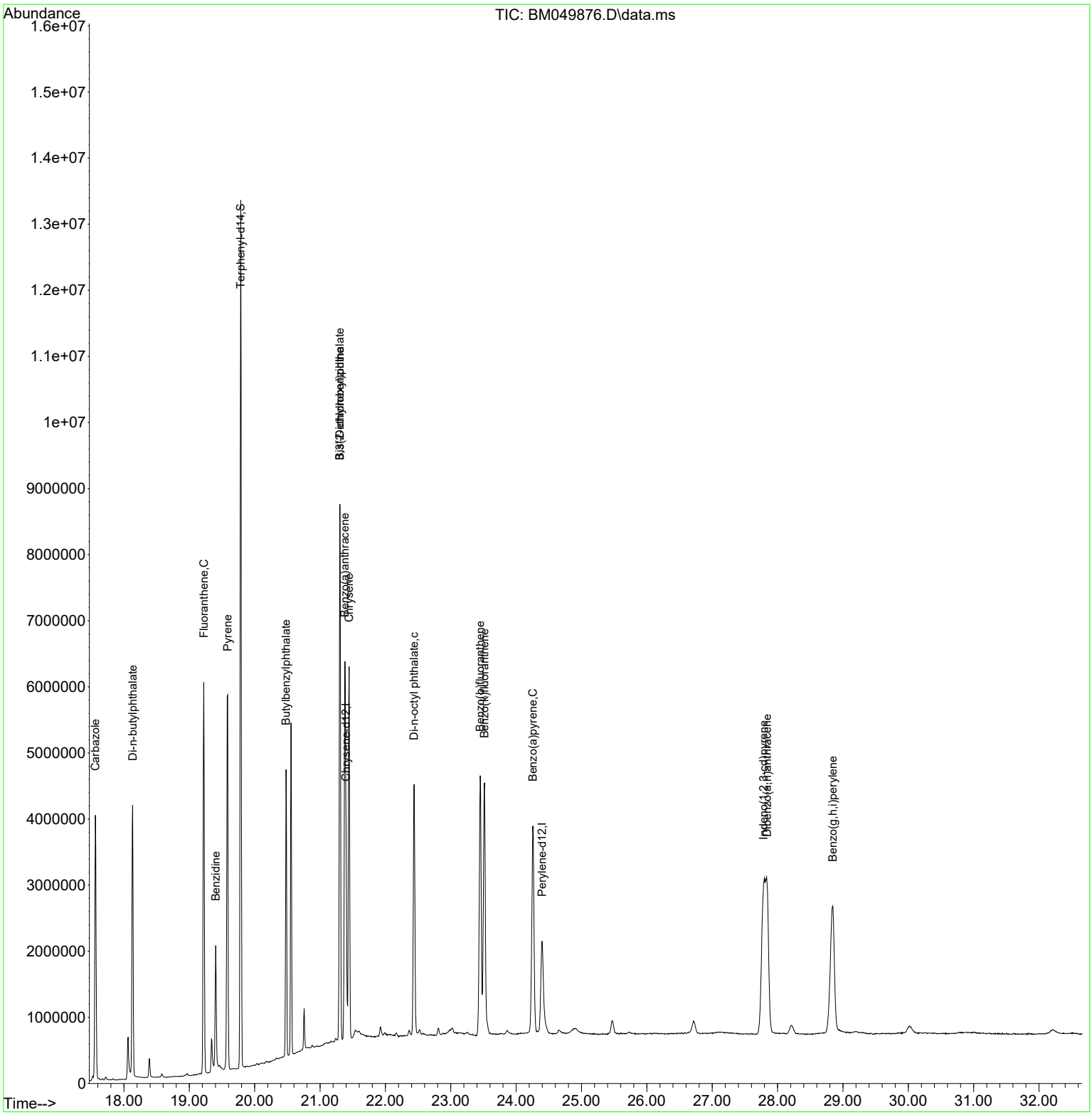
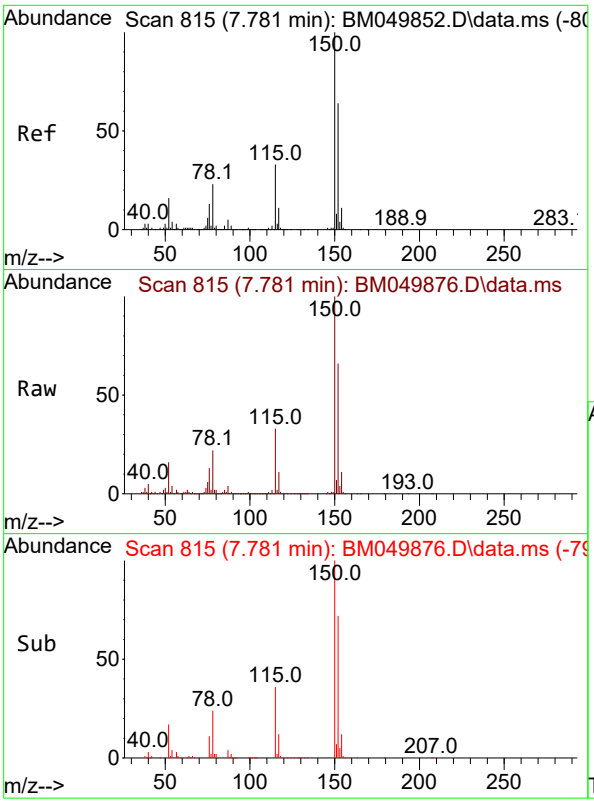
Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



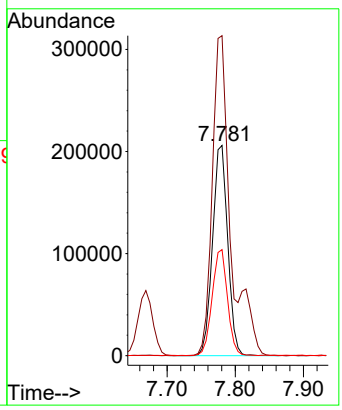


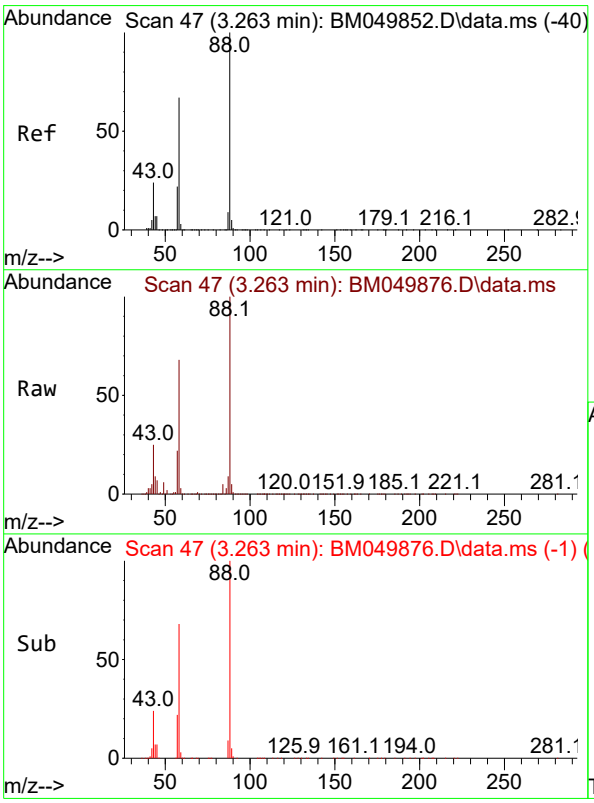
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 319220

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.3	186.5
115	50.5	41.1	61.7

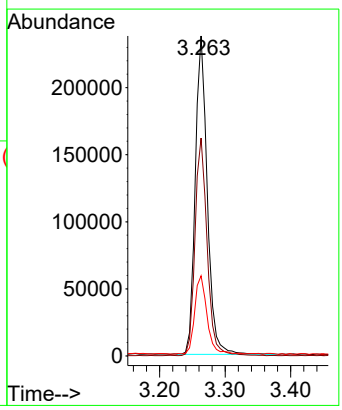


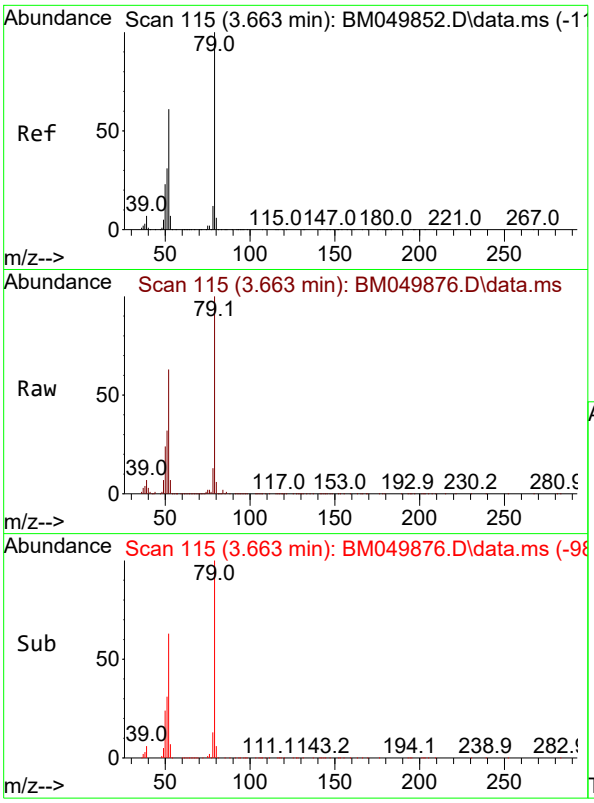


#2
1,4-Dioxane
Concen: 39.152 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 88 Resp: 303115

Ion	Ratio	Lower	Upper
88	100		
58	68.9	54.1	81.1
43	25.3	20.2	30.4



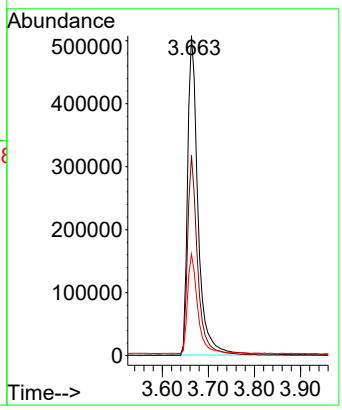


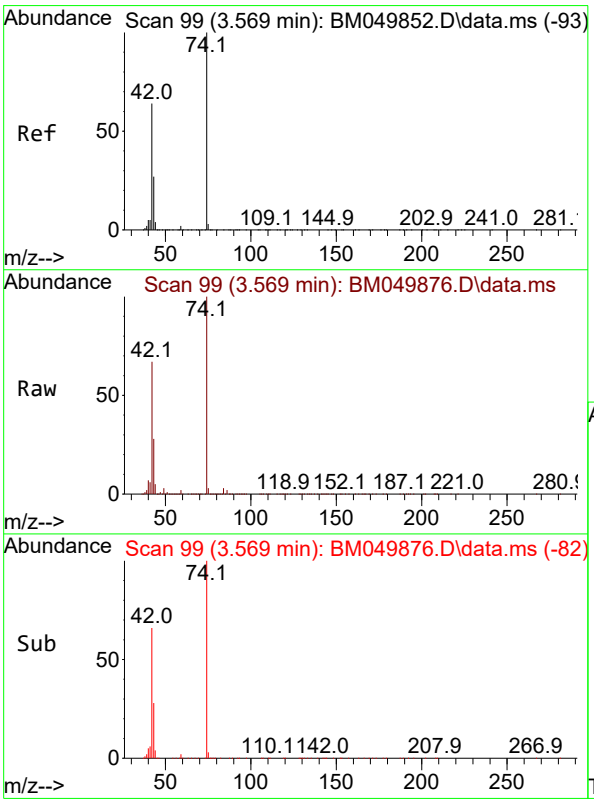
#3
Pyridine
Concen: 39.173 ng
RT: 3.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 796815

Ion	Ratio	Lower	Upper
79	100		
52	62.6	48.9	73.3
51	31.8	25.0	37.6

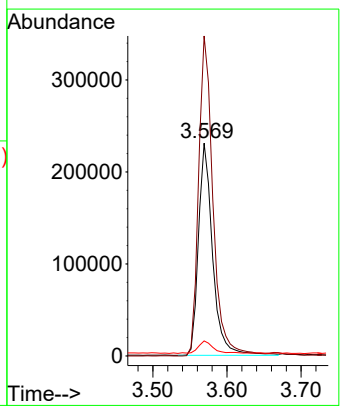


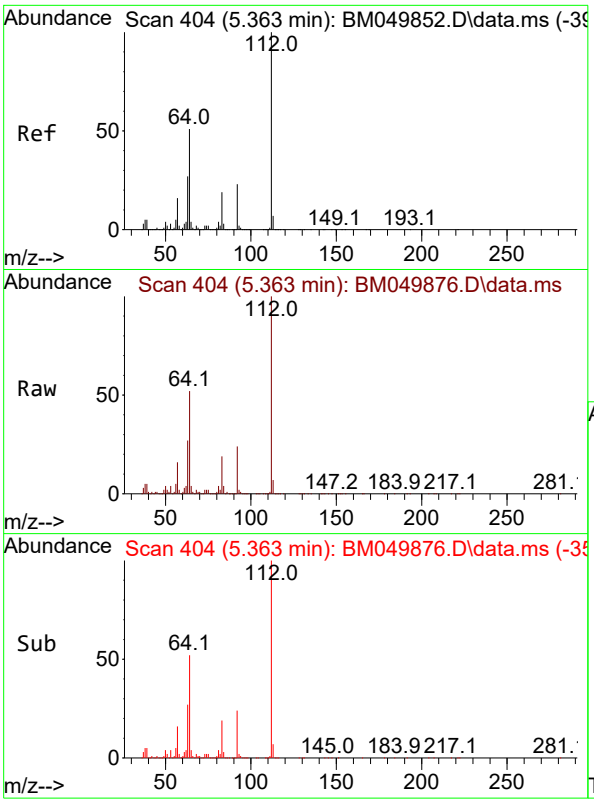


#4
n-Nitrosodimethylamine
Concen: 39.718 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 42 Resp: 307458

Ion	Ratio	Lower	Upper
42	100		
74	150.4	125.4	188.2
44	7.1	5.9	8.9



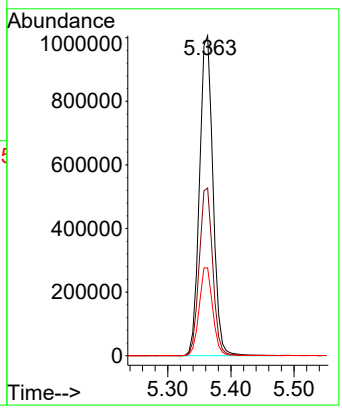


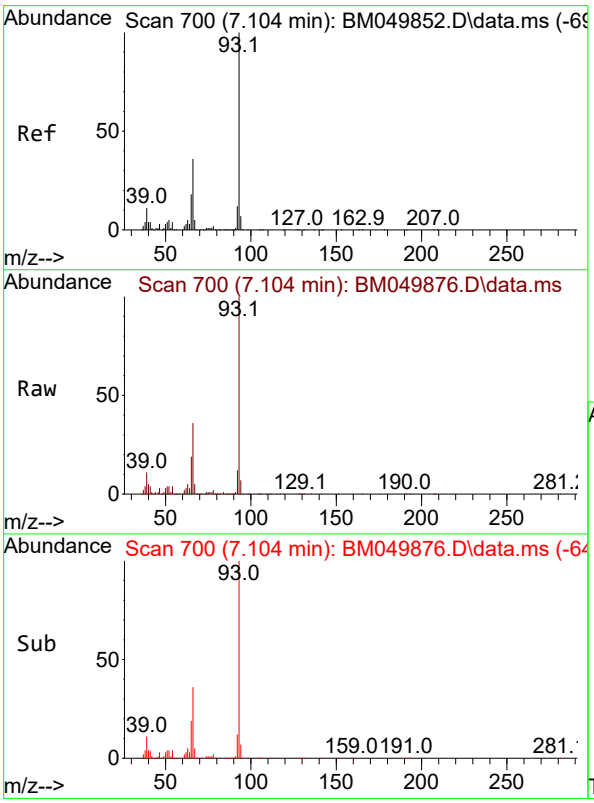
#5
2-Fluorophenol
Concen: 79.230 ng
RT: 5.363 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1489448

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.0	61.6
63	27.4	21.5	32.3

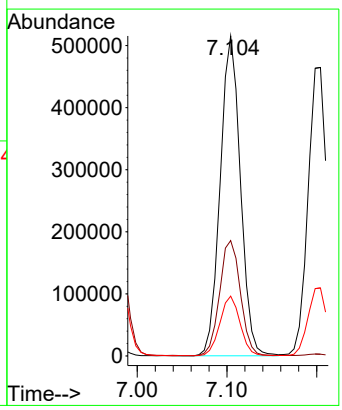


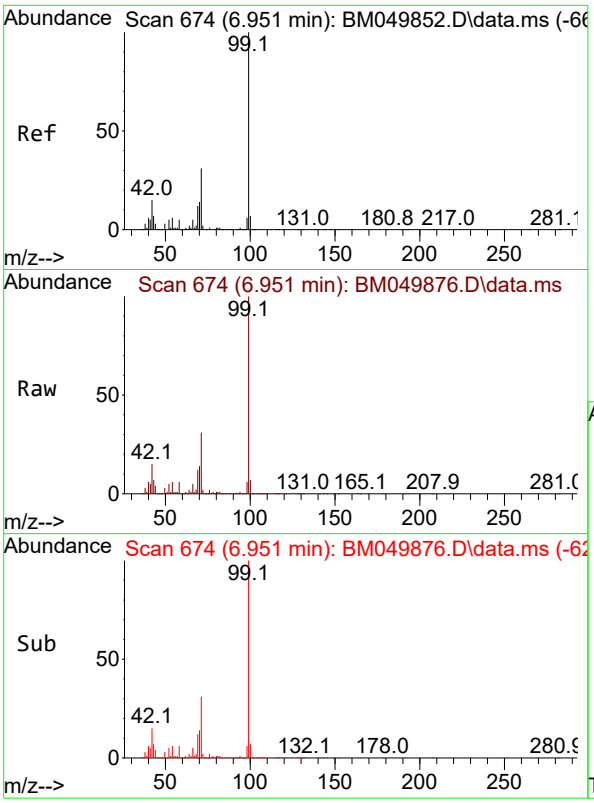


#6
Aniline
Concen: 40.224 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 93 Resp: 806150

Ion	Ratio	Lower	Upper
93	100		
66	36.1	29.1	43.7
65	18.7	14.9	22.3



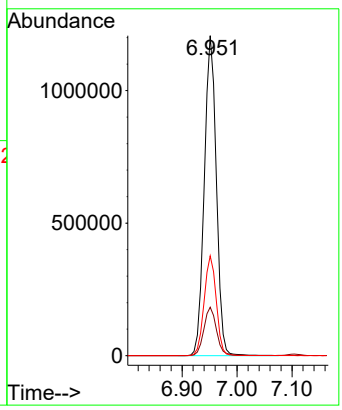


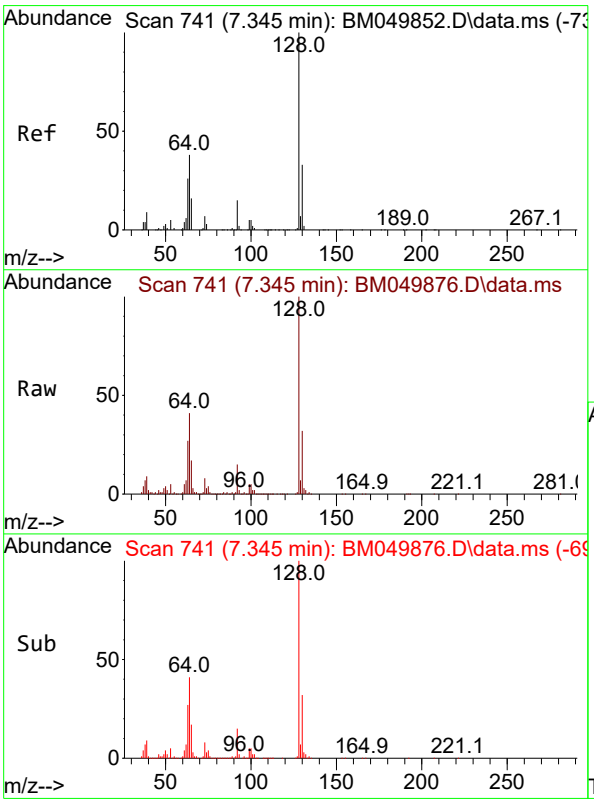
#7
Phenol-d6
Concen: 78.466 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1835259

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.1	18.1
71	31.2	24.9	37.3

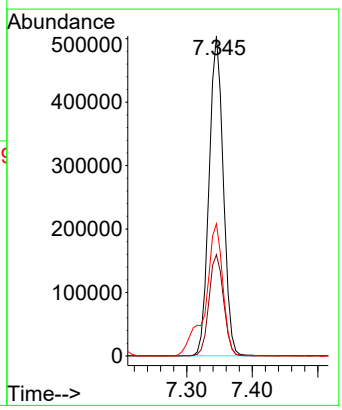


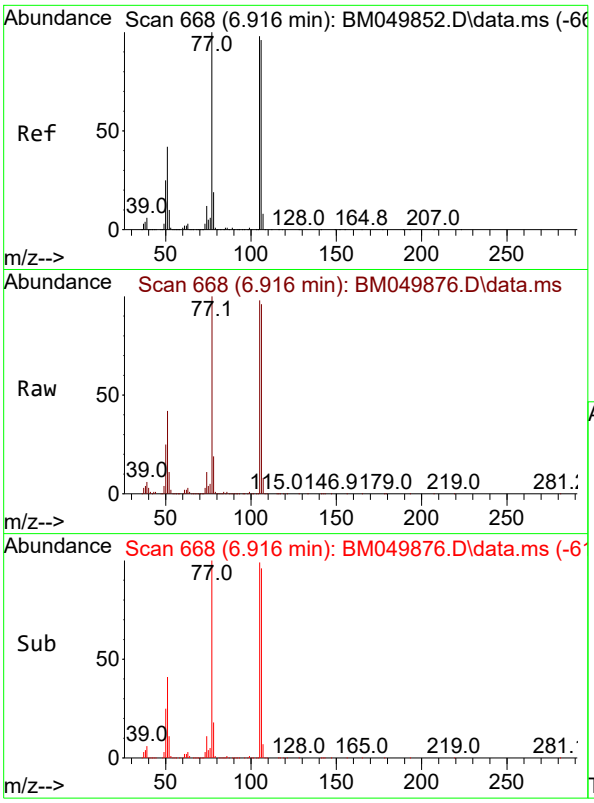


#8
2-Chlorophenol
Concen: 39.377 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:128 Resp: 758611

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.6	52.6
64	41.3	21.1	61.1



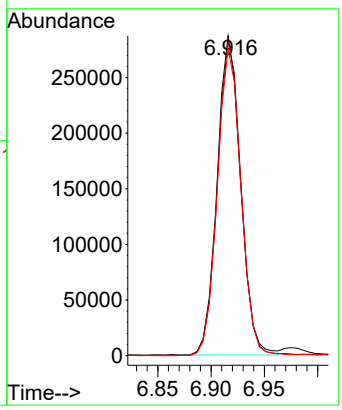


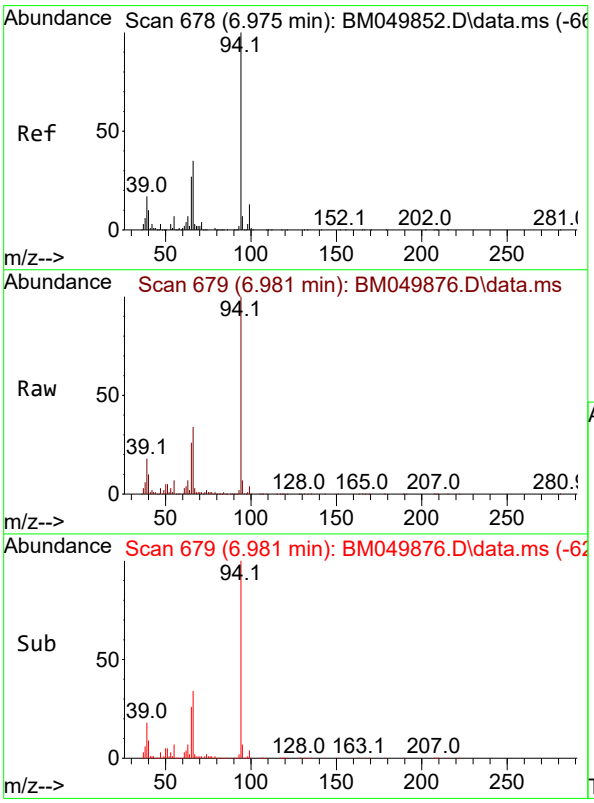
#9
Benzaldehyde
Concen: 36.564 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 438868

Ion	Ratio	Lower	Upper
77	100		
105	98.4	78.3	118.3
106	95.9	76.0	116.0

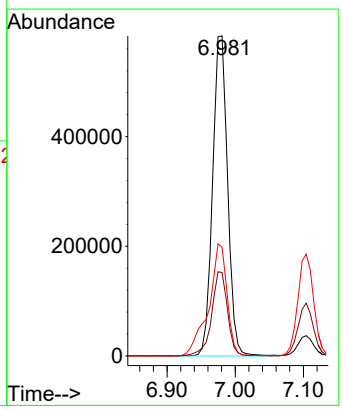


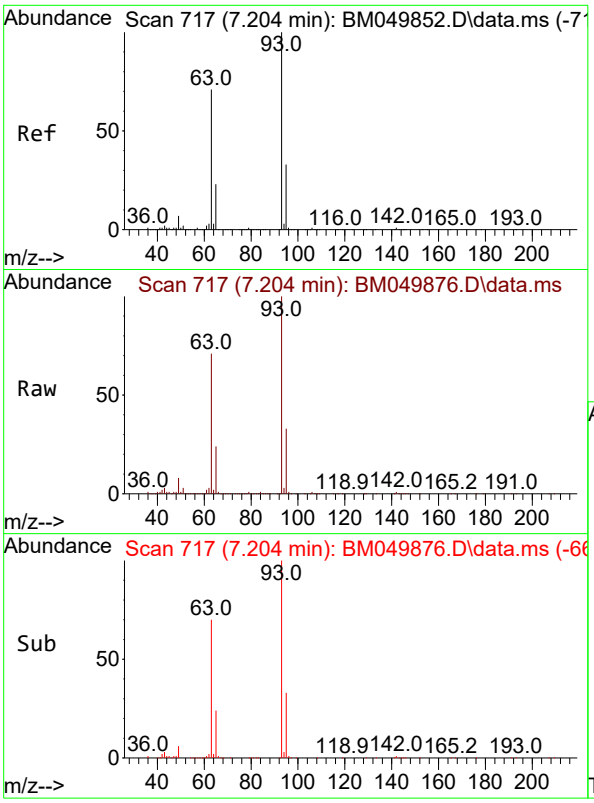


#10
Phenol
Concen: 39.271 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 94 Resp: 896341

Ion	Ratio	Lower	Upper
94	100		
65	26.1	7.3	47.3
66	34.0	14.8	54.8



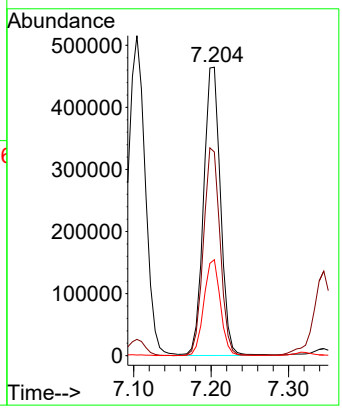


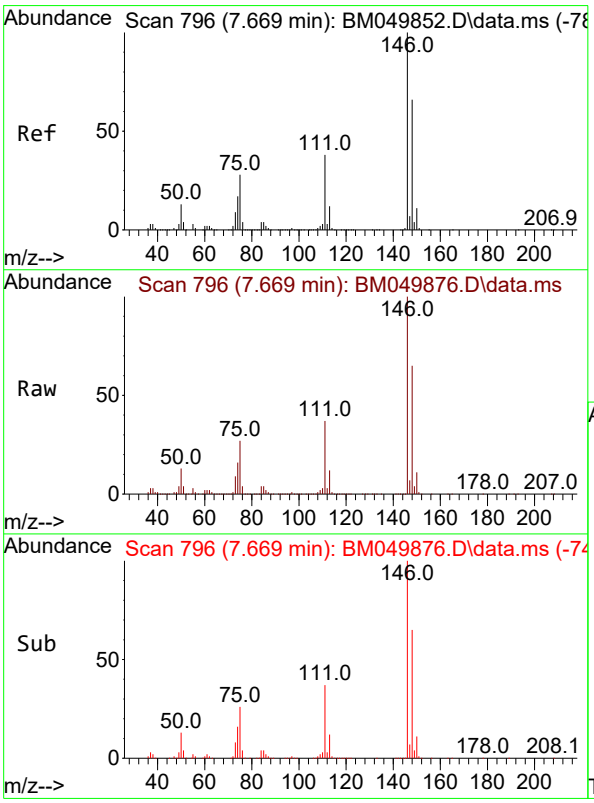
#11
bis(2-Chloroethyl)ether
Concen: 39.346 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 704248

Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.9	90.9
95	33.3	12.6	52.6

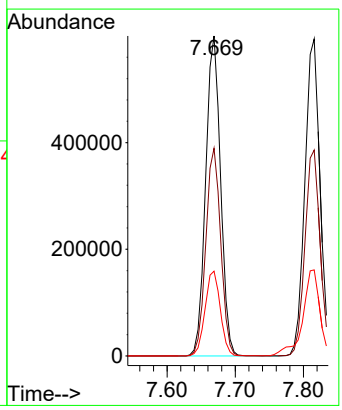


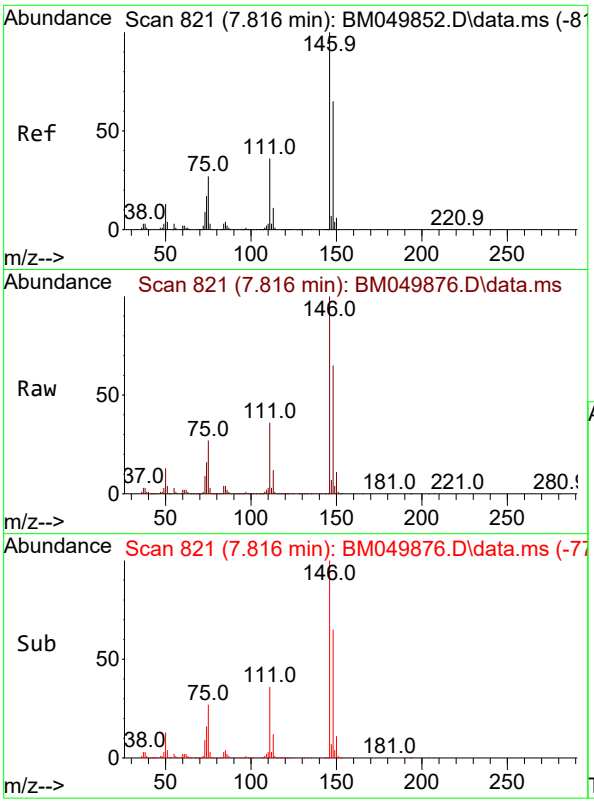


#12
1,3-Dichlorobenzene
Concen: 40.069 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:146 Resp: 912645

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.5	78.7
75	26.5	22.5	33.7



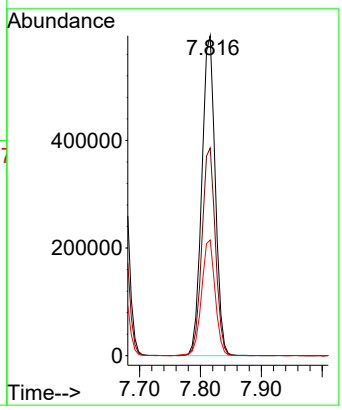


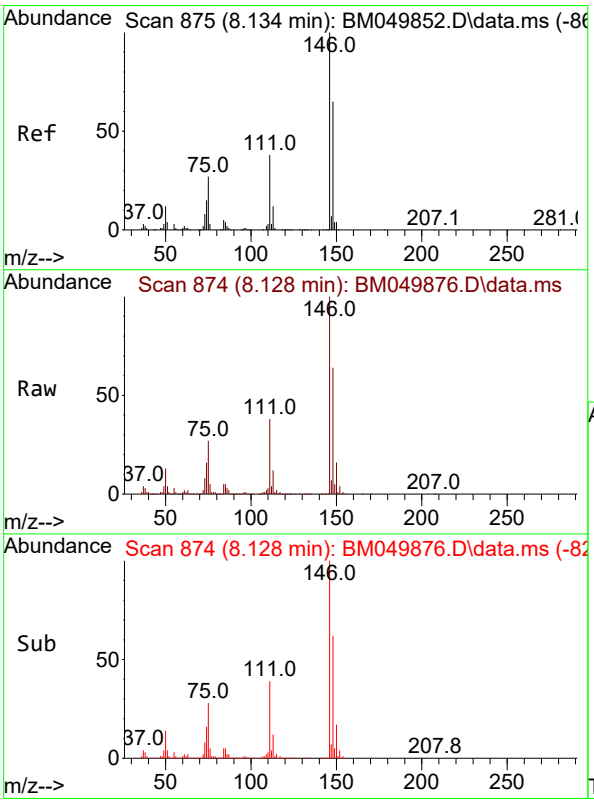
#13
1,4-Dichlorobenzene
Concen: 39.763 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 911298

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.4	78.6
111	36.2	28.5	42.7

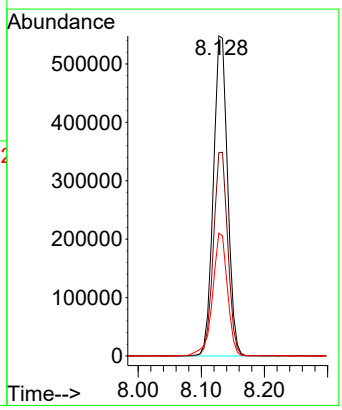


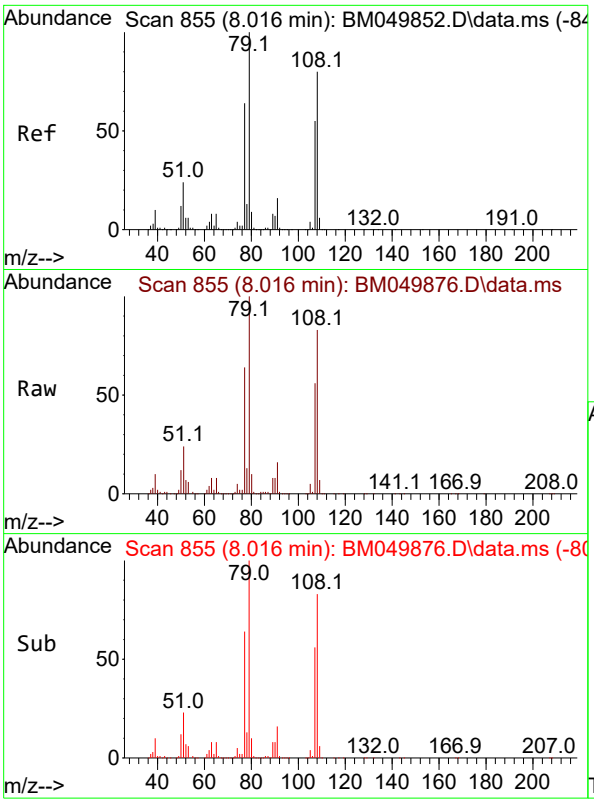


#14
1,2-Dichlorobenzene
Concen: 39.705 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:146 Resp: 857096

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.8
111	38.3	30.2	45.4



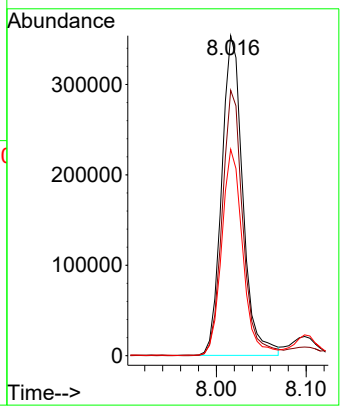


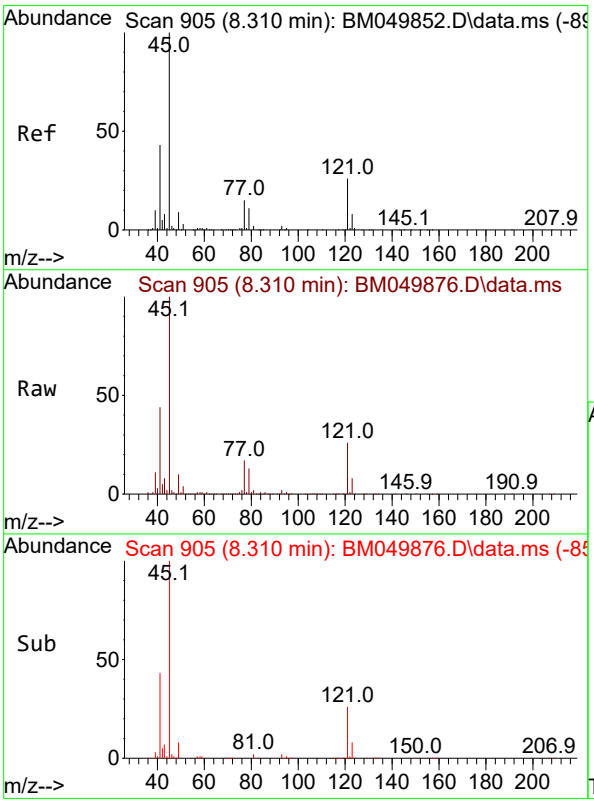
#15
Benzyl Alcohol
Concen: 39.248 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 578059

Ion	Ratio	Lower	Upper
79	100		
108	82.9	63.6	95.4
77	64.5	51.3	76.9

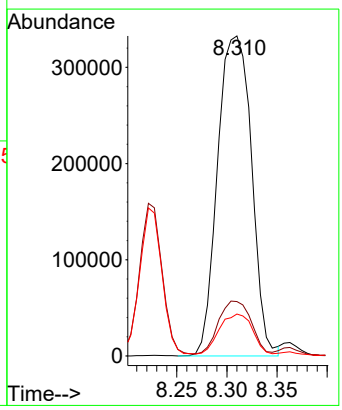


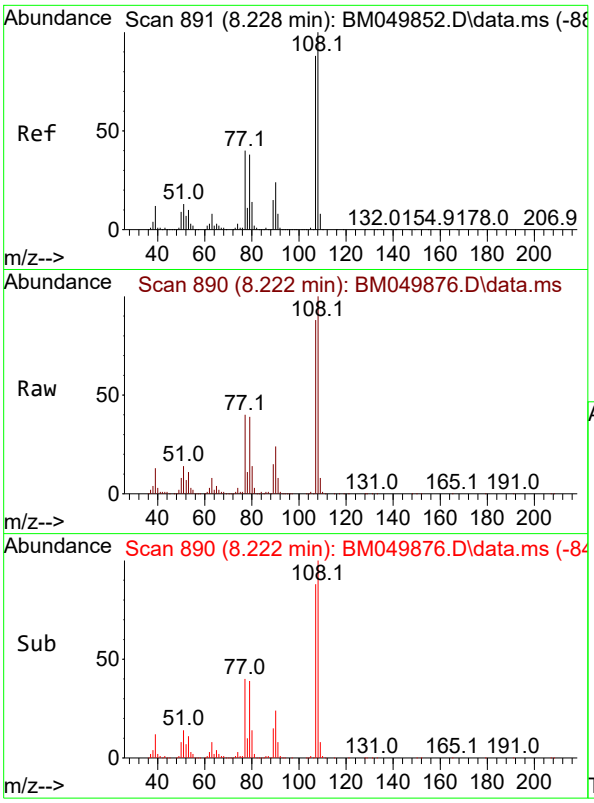


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.254 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 45 Resp: 783113

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	36.9
79	13.1	0.0	32.9



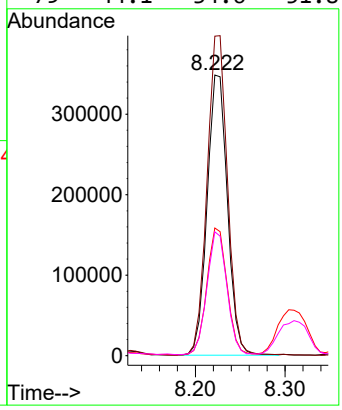


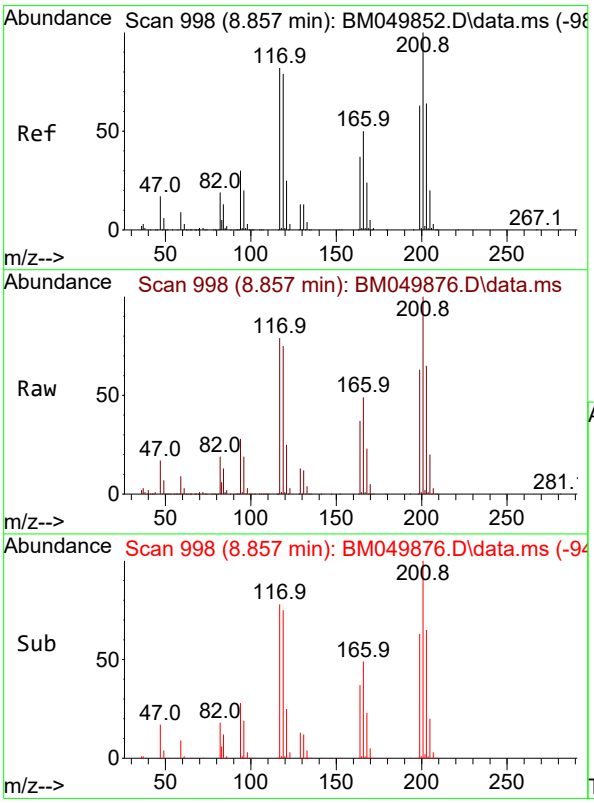
#17
2-Methylphenol
Concen: 38.907 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 547247

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.0	136.6
77	45.5	36.5	54.7
79	44.1	34.6	51.8

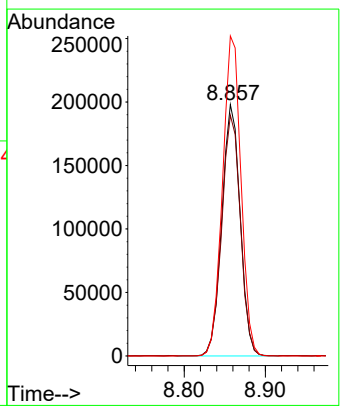


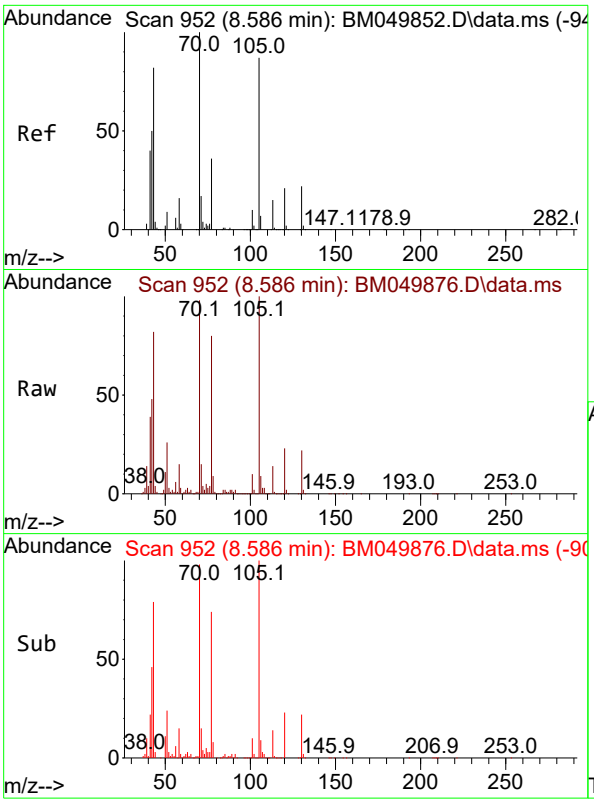


#18
Hexachloroethane
Concen: 39.202 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:117 Resp: 312572

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.5	116.3
201	127.3	97.7	146.5



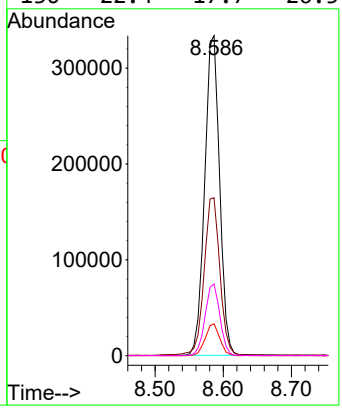


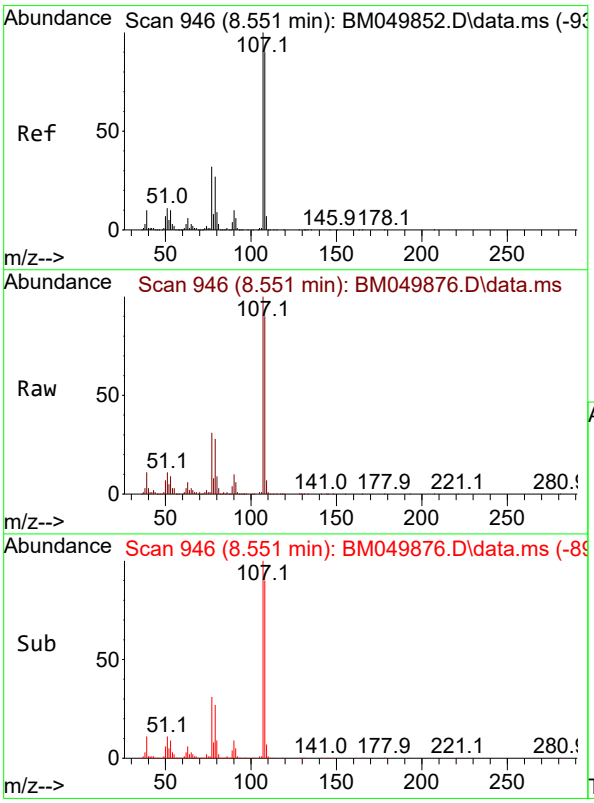
#19
n-Nitroso-di-n-propylamine
Concen: 39.274 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 508773

Ion	Ratio	Lower	Upper
70	100		
42	49.4	40.2	60.2
101	10.0	7.9	11.9
130	22.4	17.7	26.5

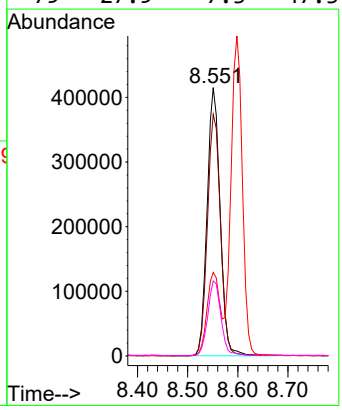


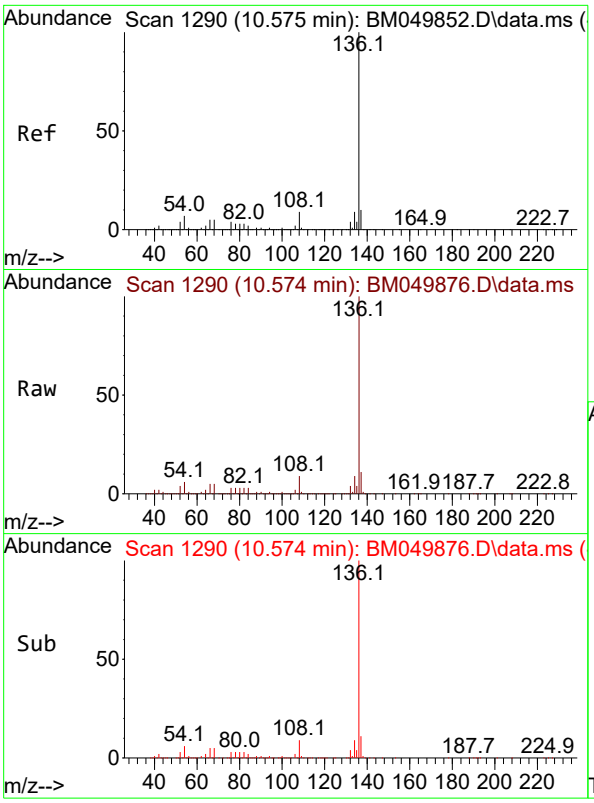


#20
3+4-Methylphenols
Concen: 38.998 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:107 Resp: 747832

Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.6	109.6
77	31.1	11.7	51.7
79	27.9	7.3	47.3



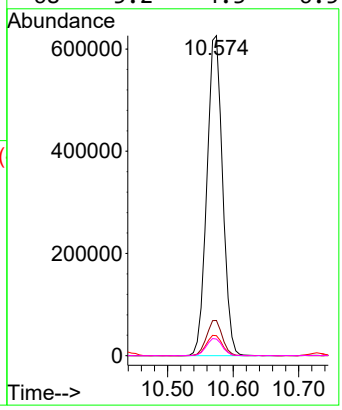


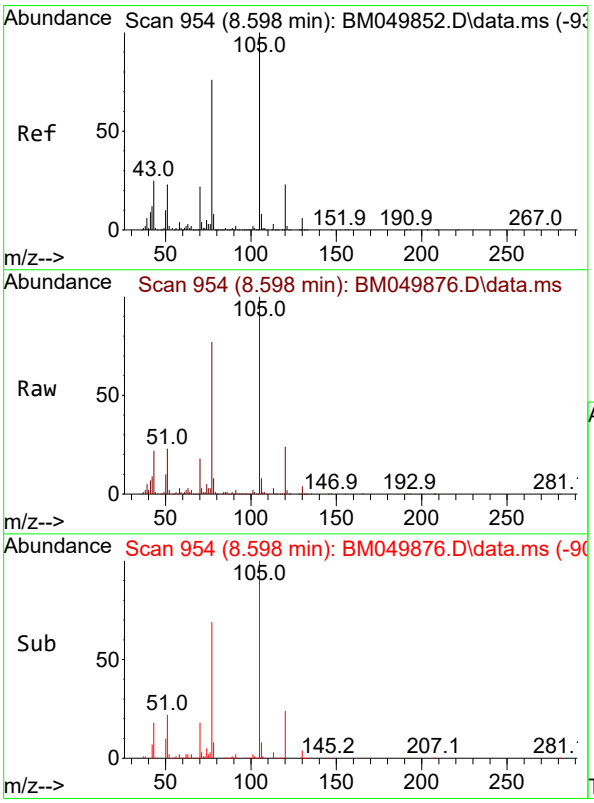
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1042650

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.2	5.3	7.9
68	5.2	4.3	6.5

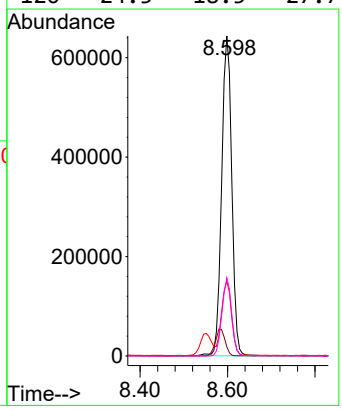


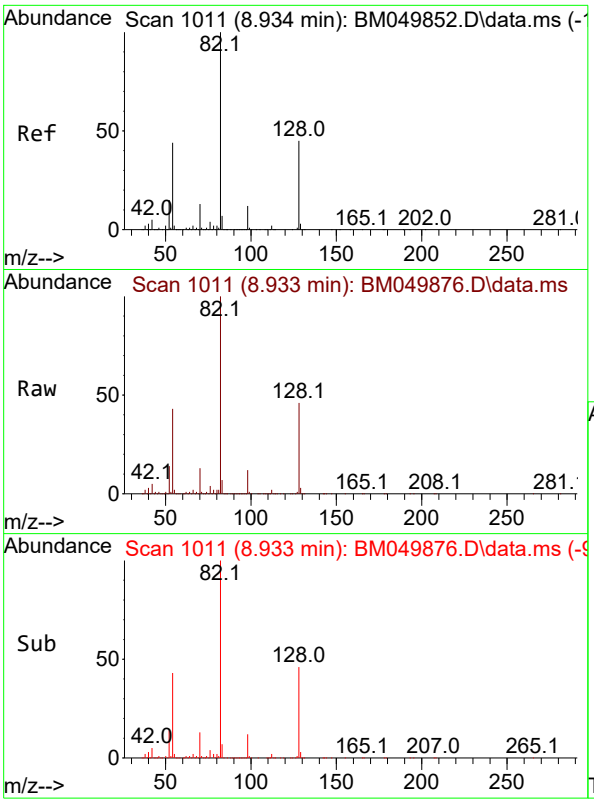


#22
Acetophenone
Concen: 40.480 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:105 Resp: 1025739

Ion	Ratio	Lower	Upper
105	100		
71	2.9	3.0	4.4#
51	23.4	18.6	27.8
120	24.5	18.5	27.7



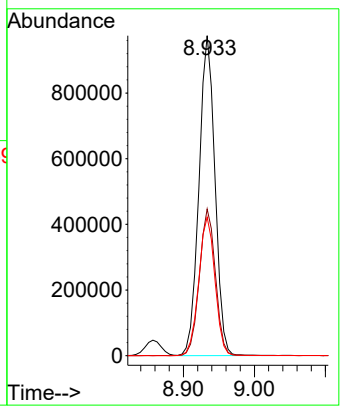


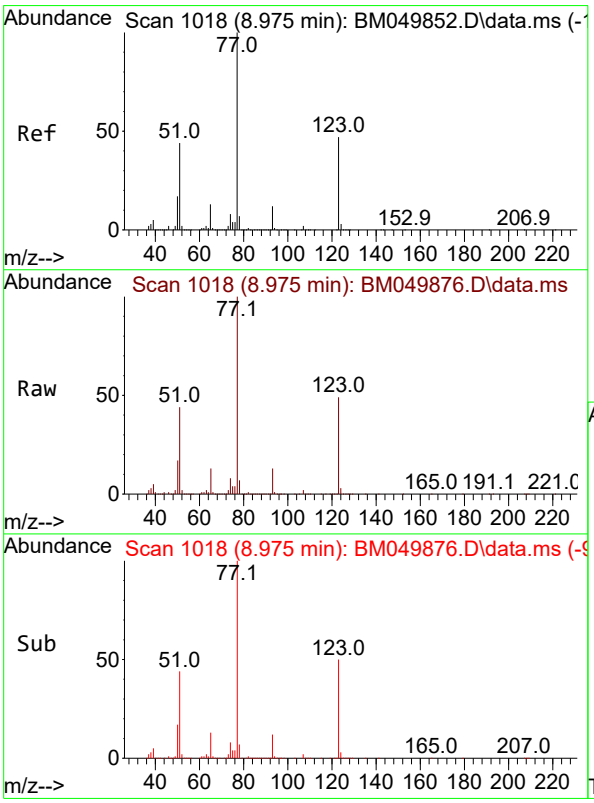
#23
Nitrobenzene-d5
Concen: 81.639 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1528609

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.2	54.2
54	43.2	35.0	52.6

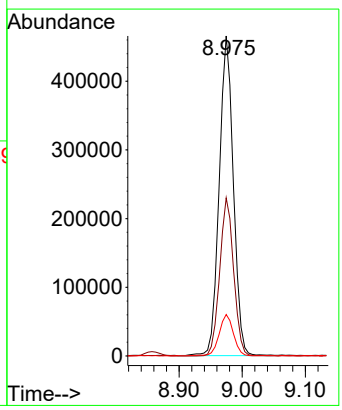


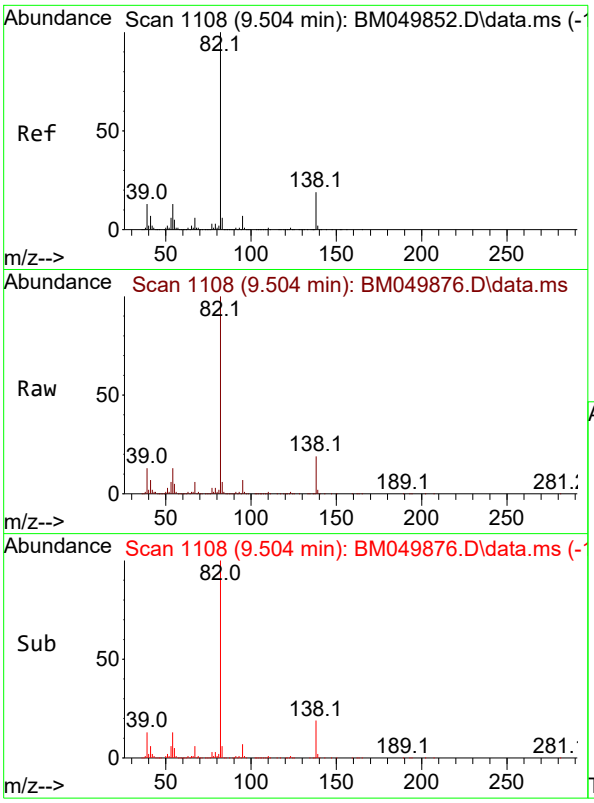


#24
Nitrobenzene
Concen: 40.214 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 77 Resp: 725038

Ion	Ratio	Lower	Upper
77	100		
123	49.4	37.4	56.2
65	12.9	10.1	15.1



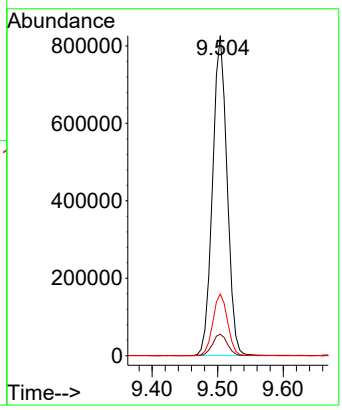


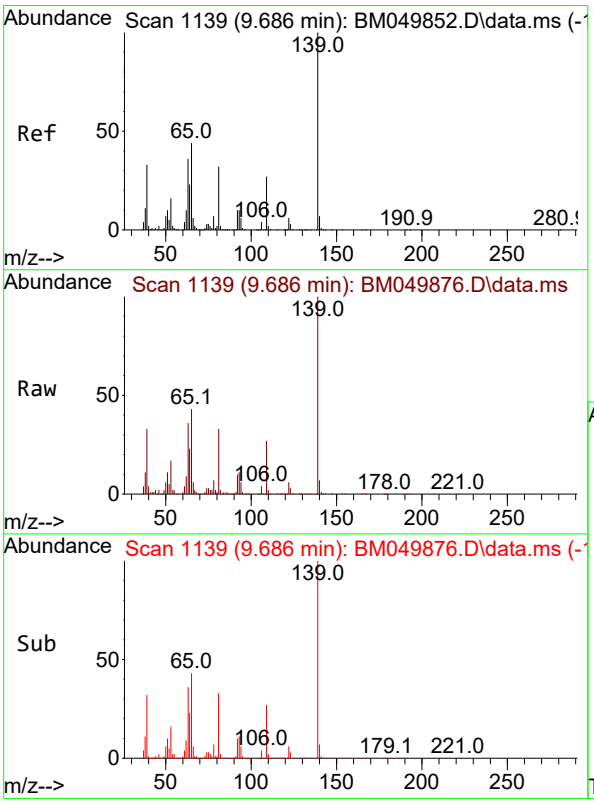
#25
Isophorone
Concen: 40.369 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1266219

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.2	15.0	22.6

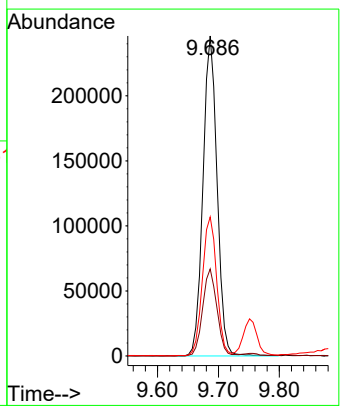


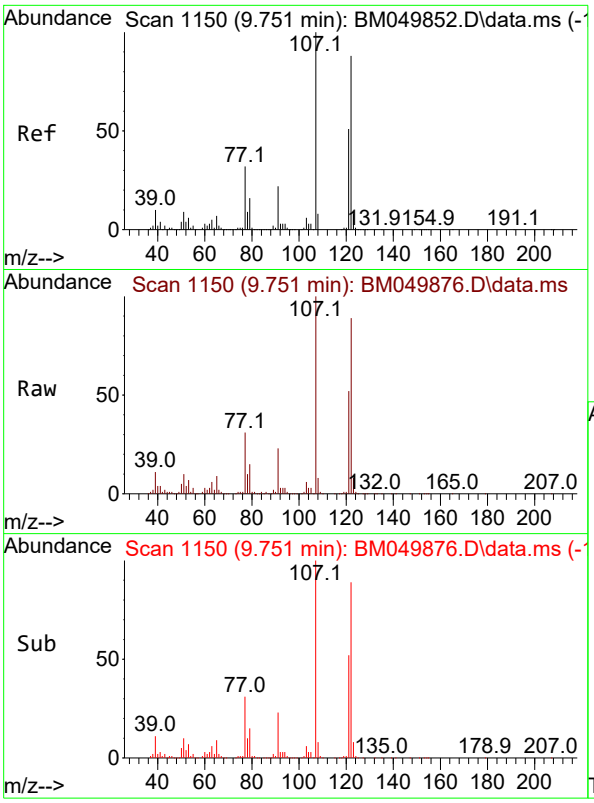


#26
2-Nitrophenol
Concen: 41.513 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:139 Resp: 396697

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.7	32.5
65	43.5	35.2	52.8



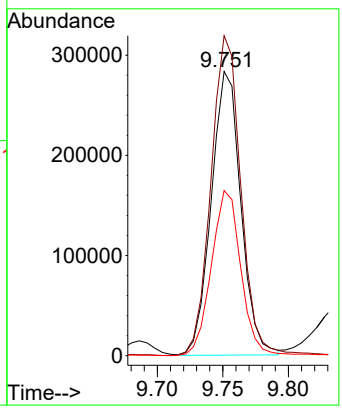


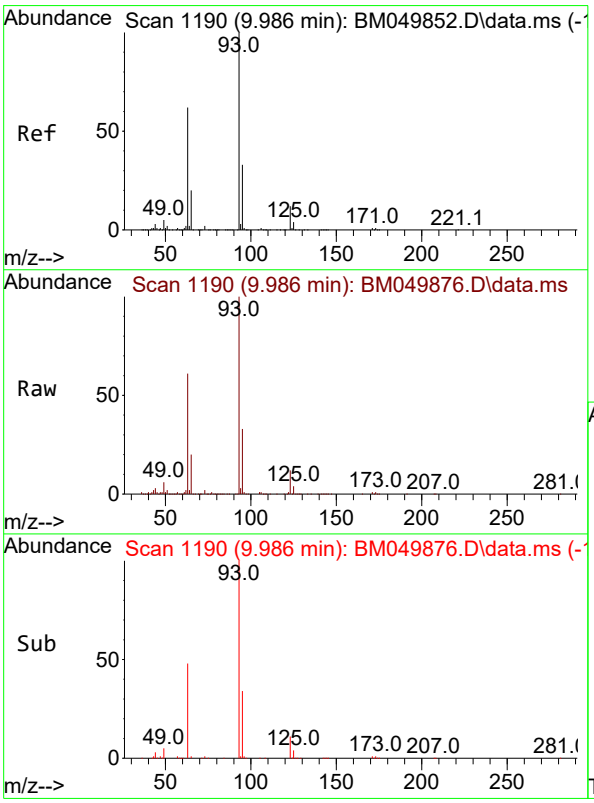
#27
2,4-Dimethylphenol
Concen: 41.095 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 445043

Ion	Ratio	Lower	Upper
122	100		
107	112.6	90.3	135.5
121	58.1	46.1	69.1

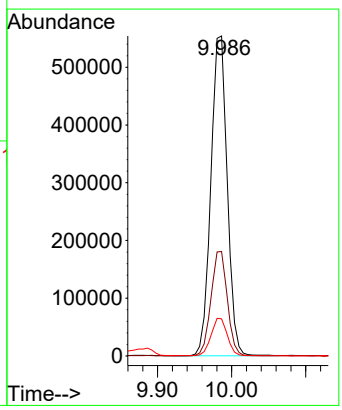


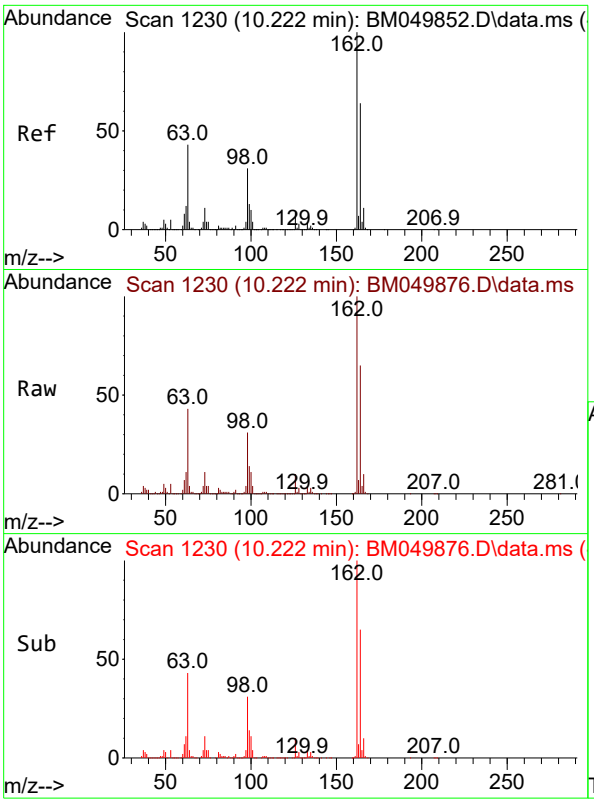


#28
bis(2-Chloroethoxy)methane
Concen: 40.430 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 93 Resp: 848995

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.6	9.5	14.3



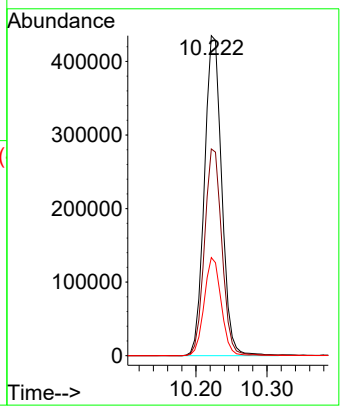


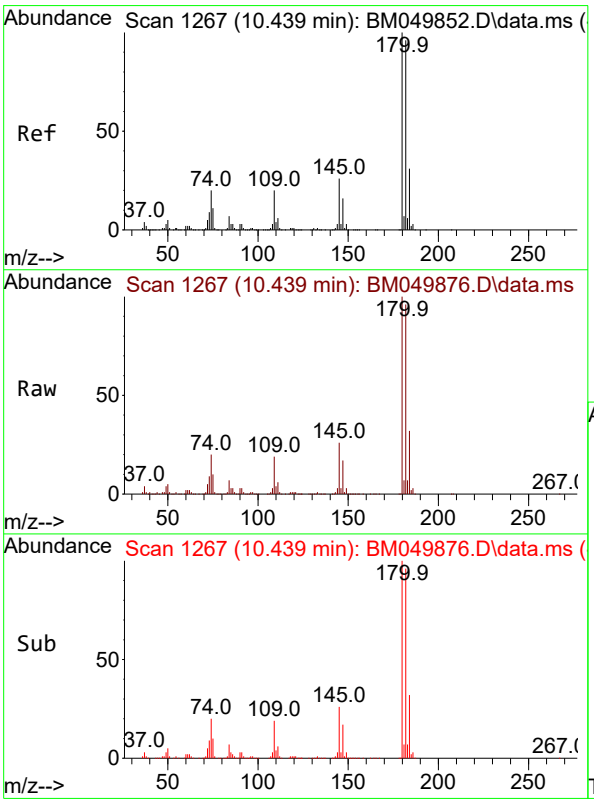
#29
2,4-Dichlorophenol
Concen: 40.995 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 737969

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.3	84.3
98	30.6	10.9	50.9

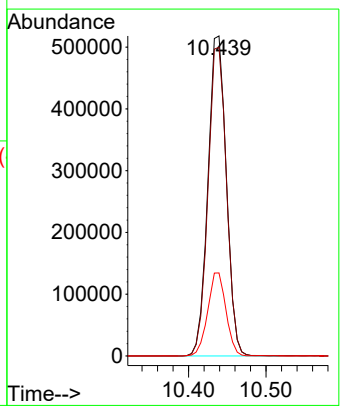


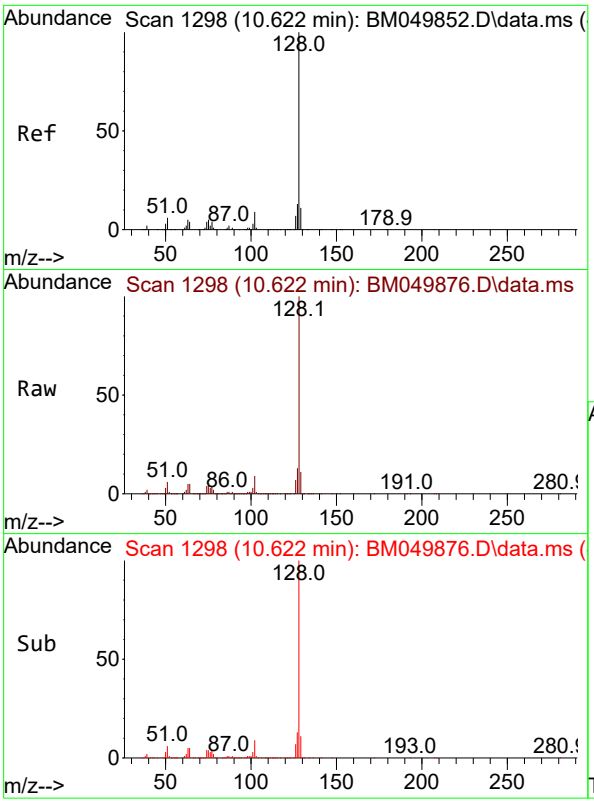


#30
1,2,4-Trichlorobenzene
Concen: 40.999 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:180 Resp: 853822

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.7	115.1
145	26.0	20.8	31.2



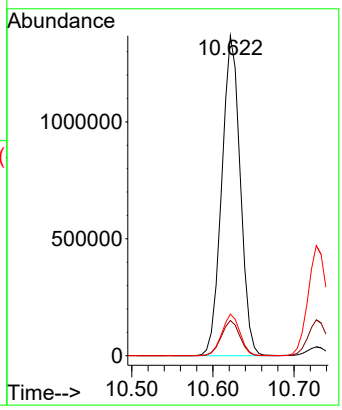


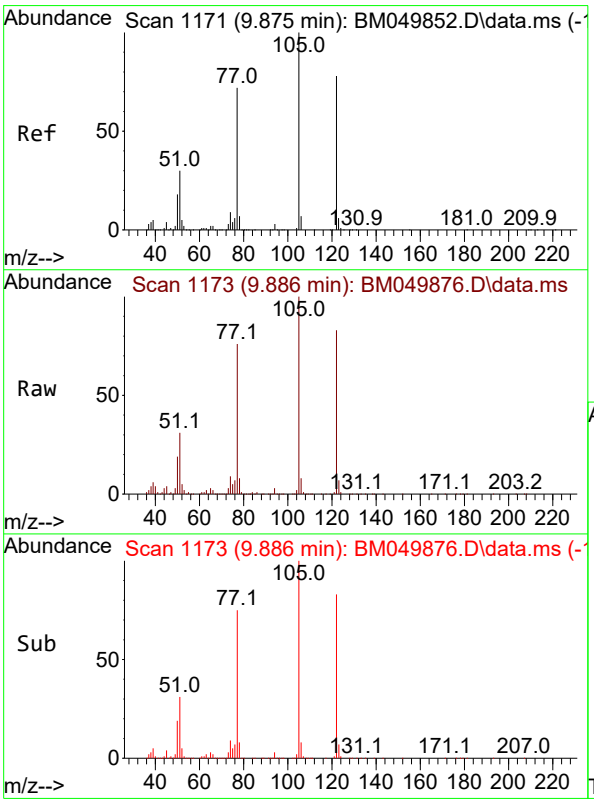
#31
Naphthalene
Concen: 40.483 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2168888

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.6	15.8

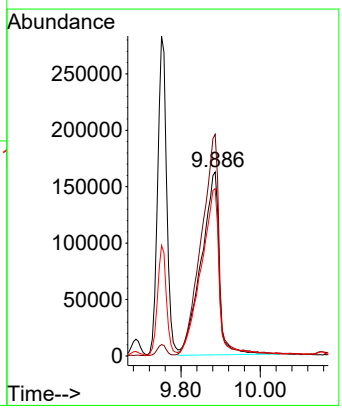


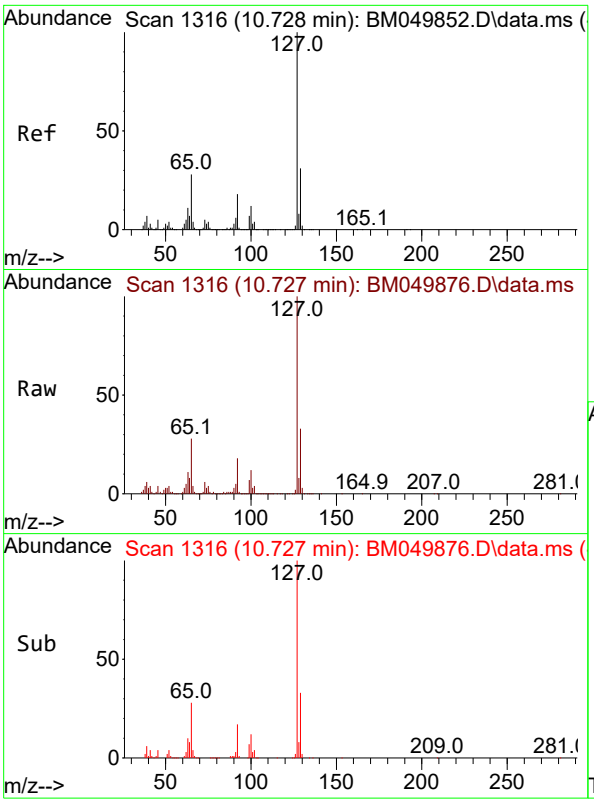


#32
Benzoic acid
Concen: 39.630 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:122 Resp: 507659

Ion	Ratio	Lower	Upper
122	100		
105	120.4	103.8	143.8
77	91.0	70.7	110.7



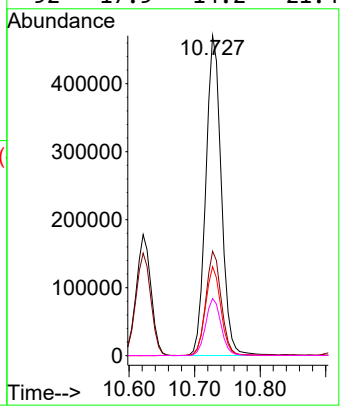


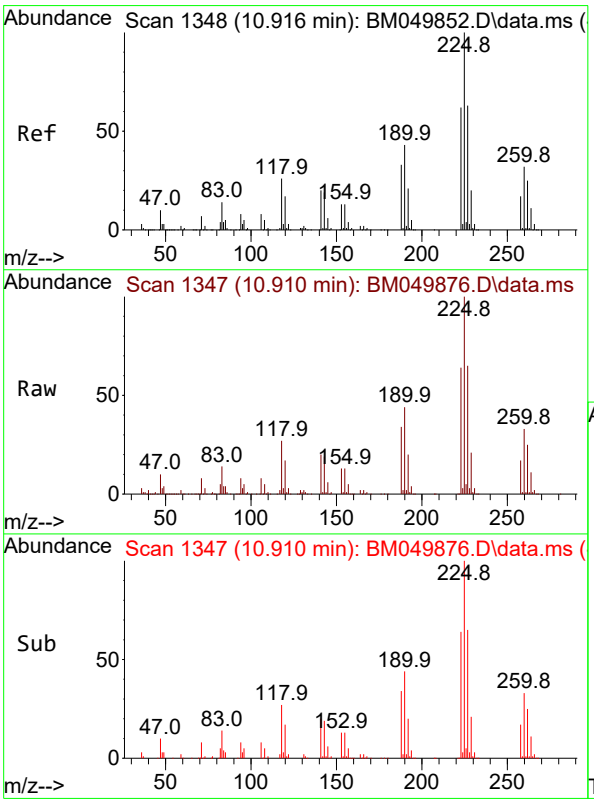
#33
4-Chloroaniline
Concen: 41.035 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 776309

Ion	Ratio	Lower	Upper
127	100		
129	32.6	24.9	37.3
65	27.8	22.4	33.6
92	17.9	14.2	21.4

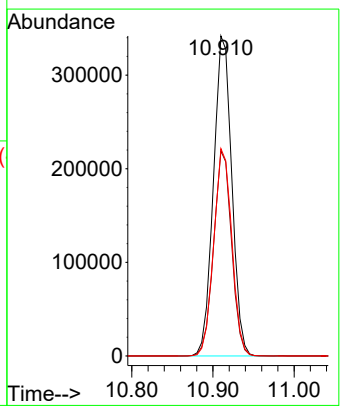


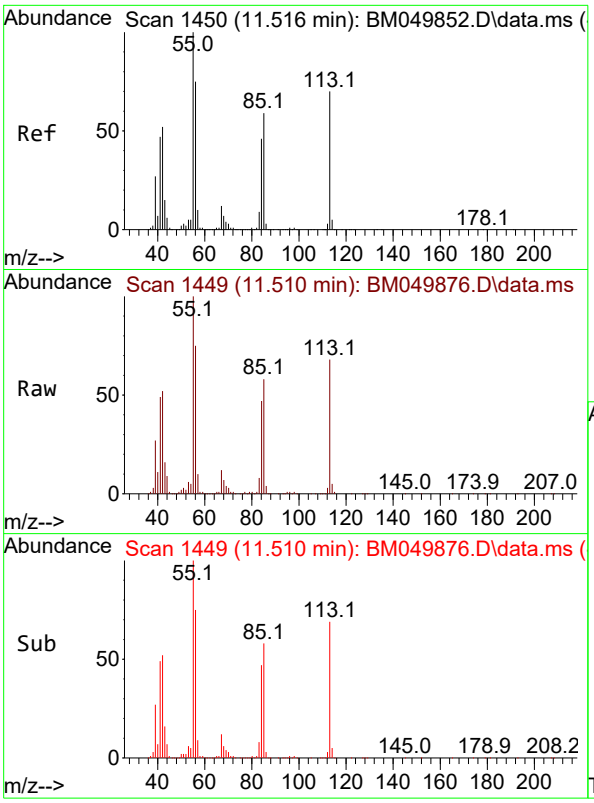


#34
Hexachlorobutadiene
Concen: 41.626 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:225 Resp: 536216

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.4	74.2
227	64.8	50.1	75.1



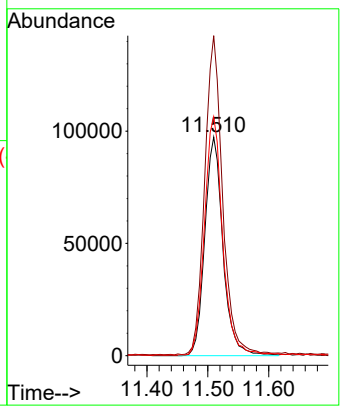


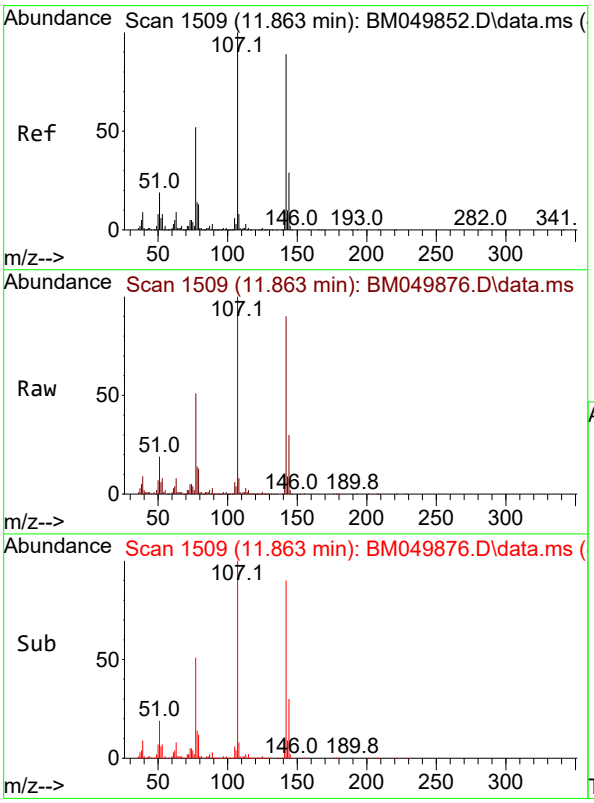
#35
Caprolactam
Concen: 39.026 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 201494

Ion	Ratio	Lower	Upper
113	100		
55	146.4	124.3	164.3
56	109.3	87.5	127.5

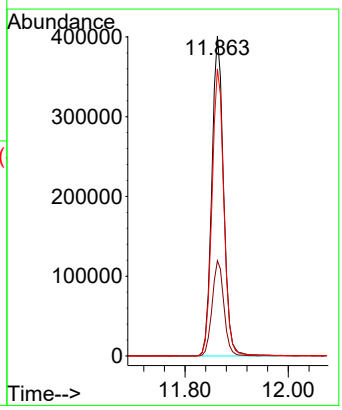


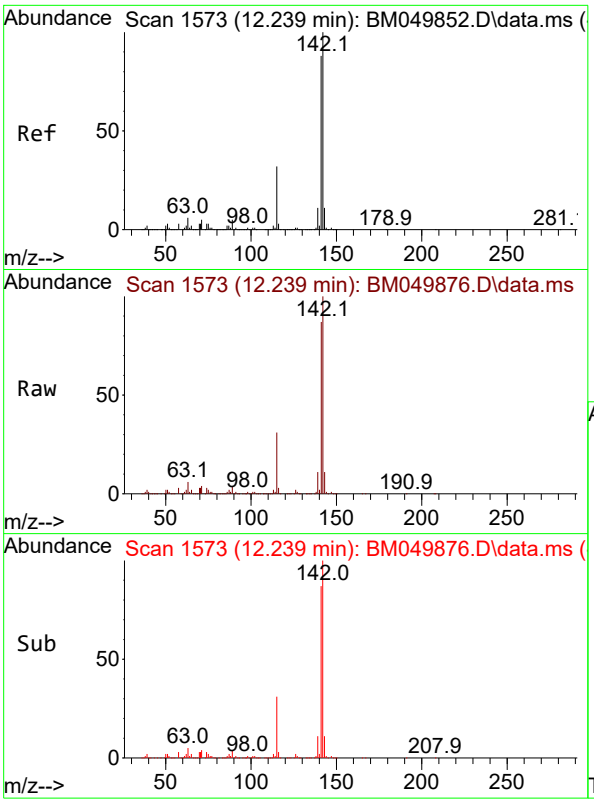


#36
4-Chloro-3-methylphenol
Concen: 40.143 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:107 Resp: 632987

Ion	Ratio	Lower	Upper
107	100		
144	29.7	23.6	35.4
142	89.7	71.4	107.0



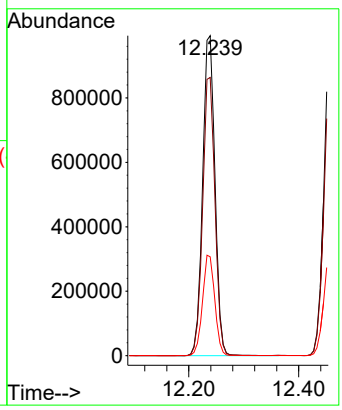


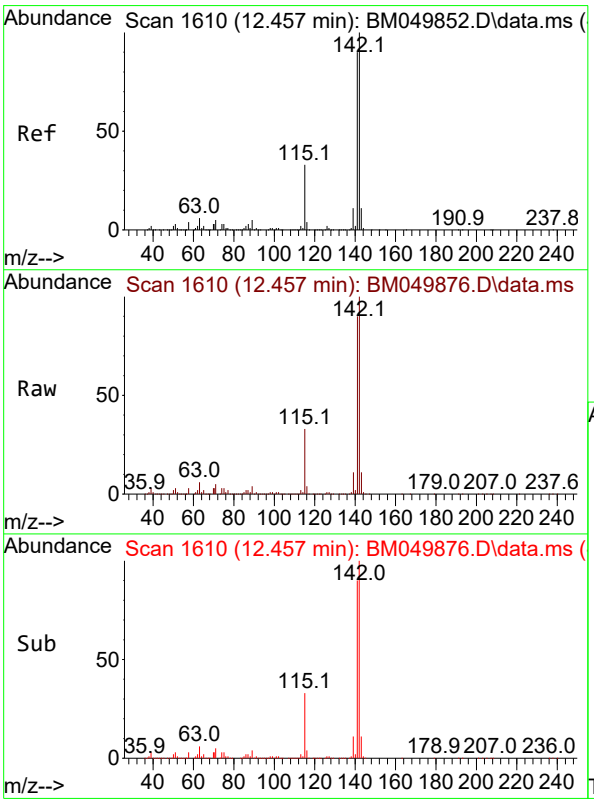
#37
2-Methylnaphthalene
Concen: 40.827 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1541101

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.2	105.2
115	30.9	25.4	38.2

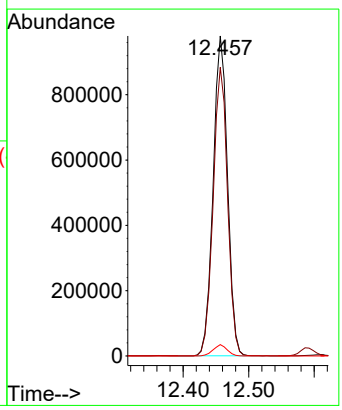


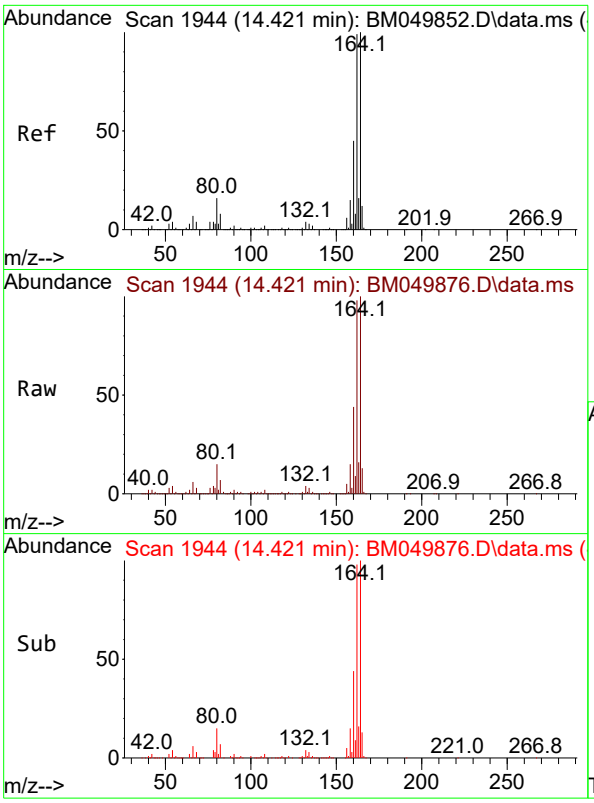


#38
1-Methylnaphthalene
Concen: 40.439 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:142 Resp: 1487131

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2
116	3.5	2.9	4.3



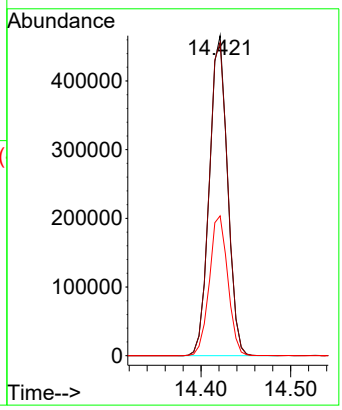


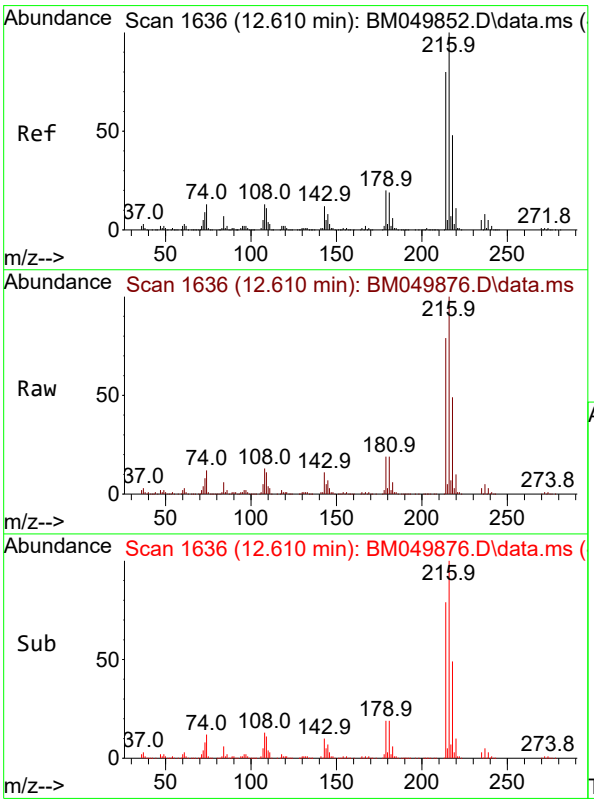
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 653251

Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.4	119.0
160	43.7	36.2	54.2

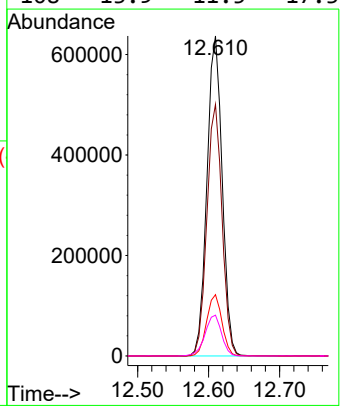


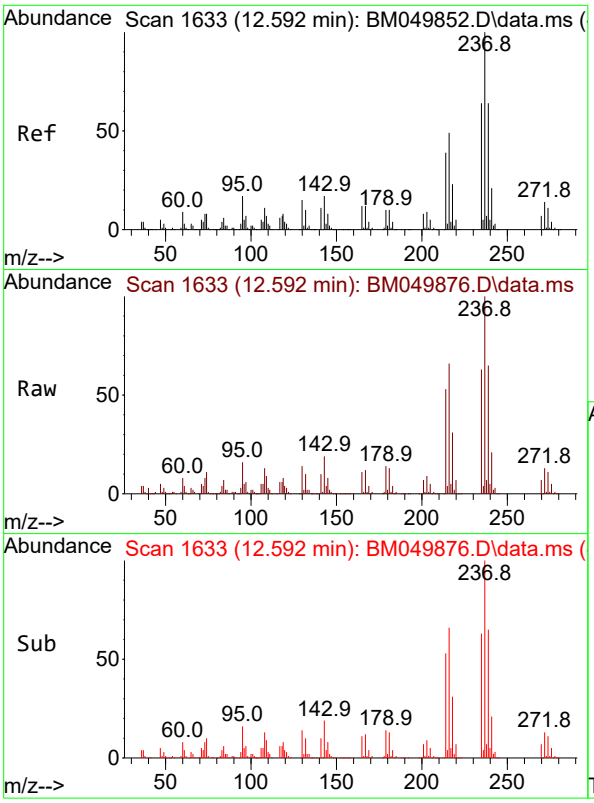


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.521 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:216 Resp: 948924

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.2	94.8
179	19.3	15.8	23.6
108	13.9	11.5	17.3



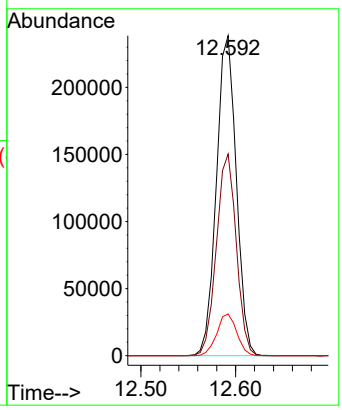


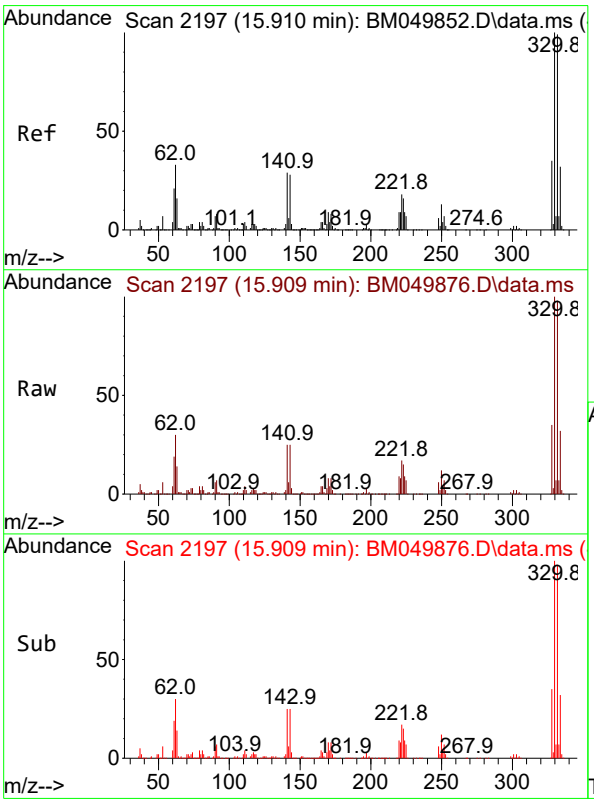
#41
Hexachlorocyclopentadiene
Concen: 43.503 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 348379

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.7	83.7
272	13.0	0.0	33.5

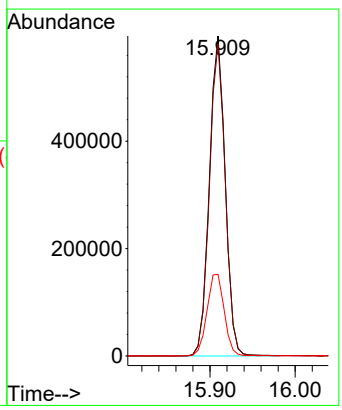


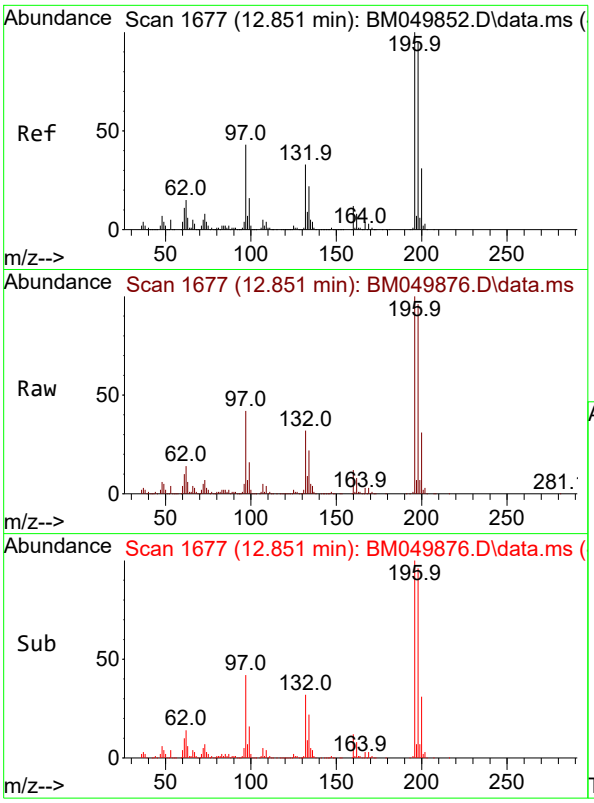


#42
2,4,6-Tribromophenol
Concen: 81.226 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:330 Resp: 771794

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	27.9	23.5	35.3



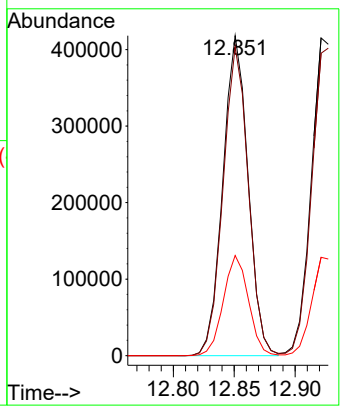


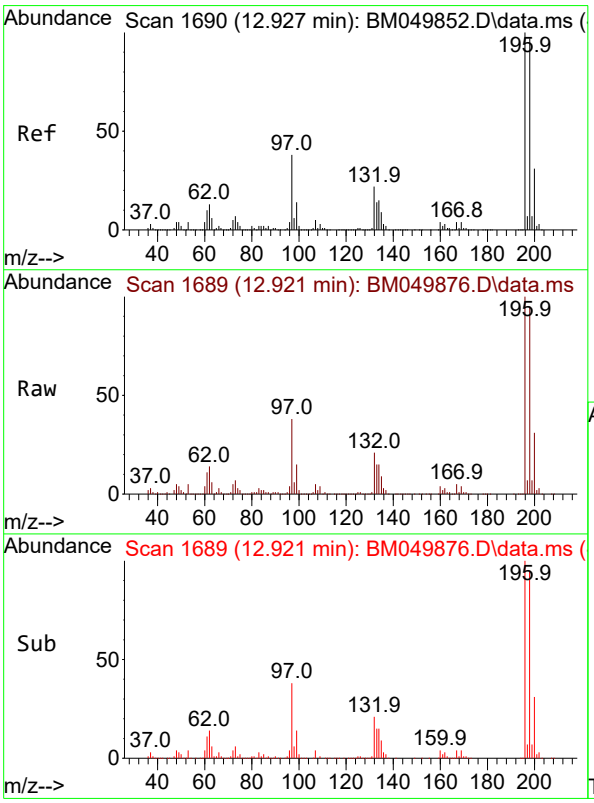
#43
2,4,6-Trichlorophenol
Concen: 41.497 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 603479

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.1	114.1
200	31.3	24.7	37.1

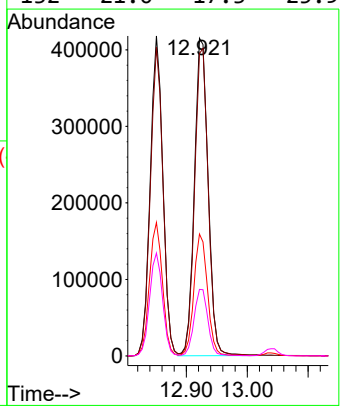


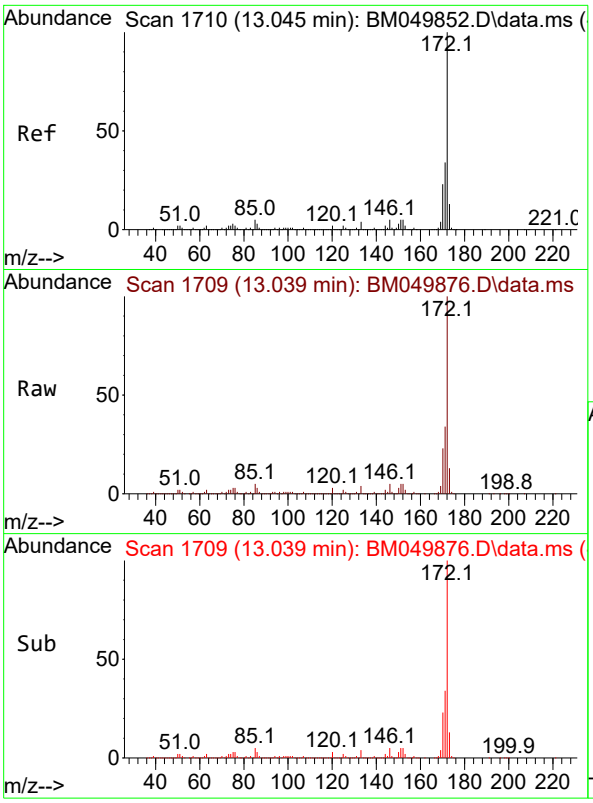


#44
2,4,5-Trichlorophenol
Concen: 41.224 ng
RT: 12.921 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:196 Resp: 651481

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.7	116.5
97	38.4	30.3	45.5
132	21.0	17.3	25.9



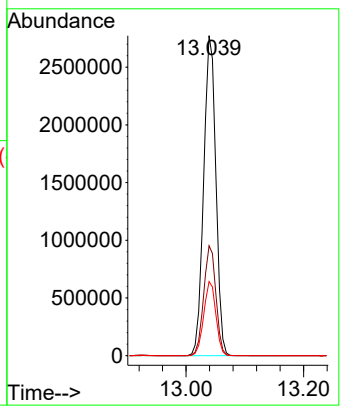


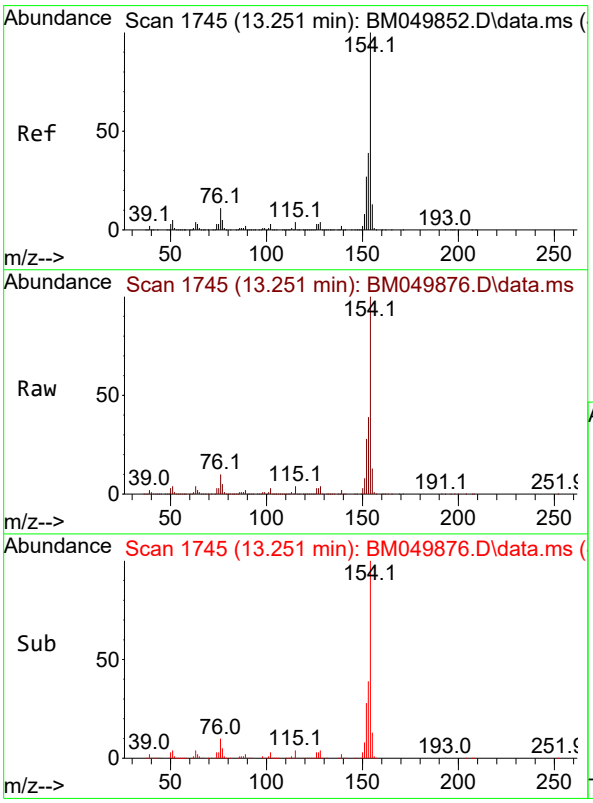
#45
2-Fluorobiphenyl
Concen: 82.628 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3980551

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.2
170	23.2	18.6	28.0

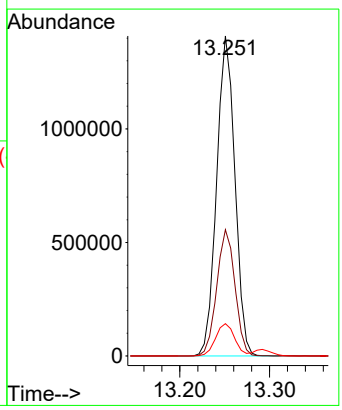


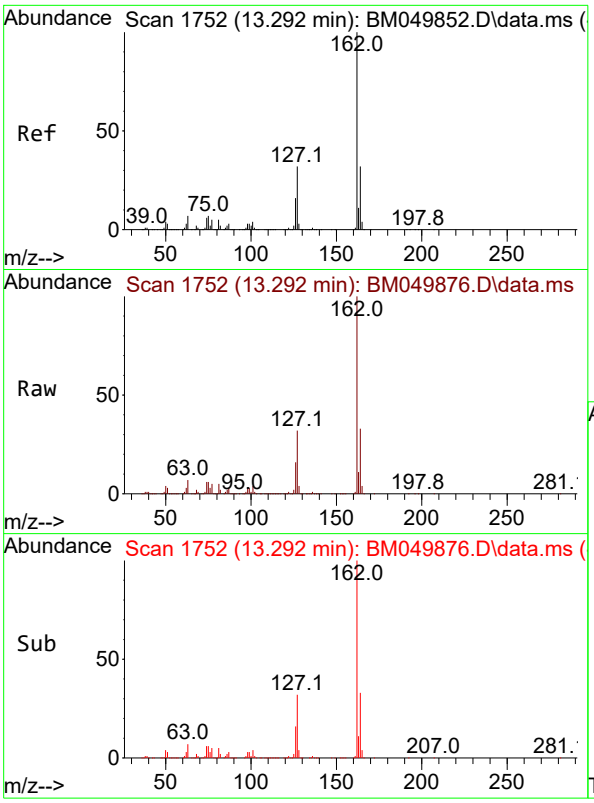


#46
1,1'-Biphenyl
Concen: 40.976 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:154 Resp: 1989806

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	10.1	0.0	30.7



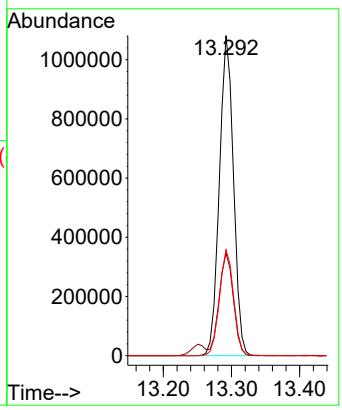


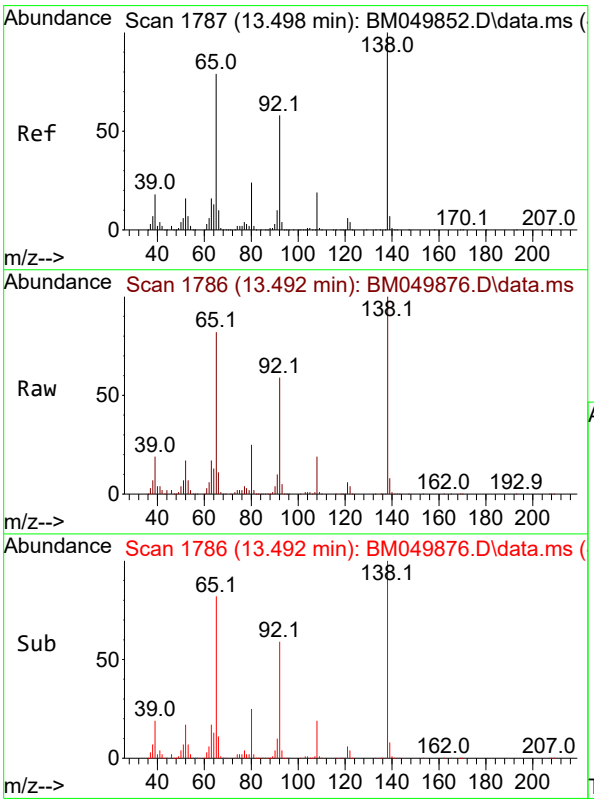
#47
2-Chloronaphthalene
Concen: 40.790 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1556856

Ion	Ratio	Lower	Upper
162	100		
127	32.0	26.0	39.0
164	33.1	25.9	38.9

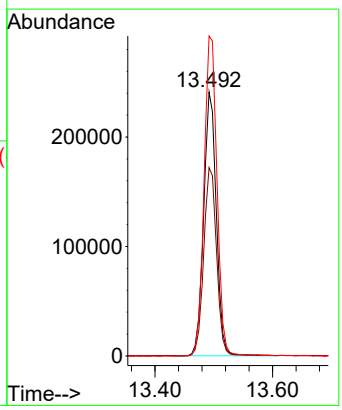


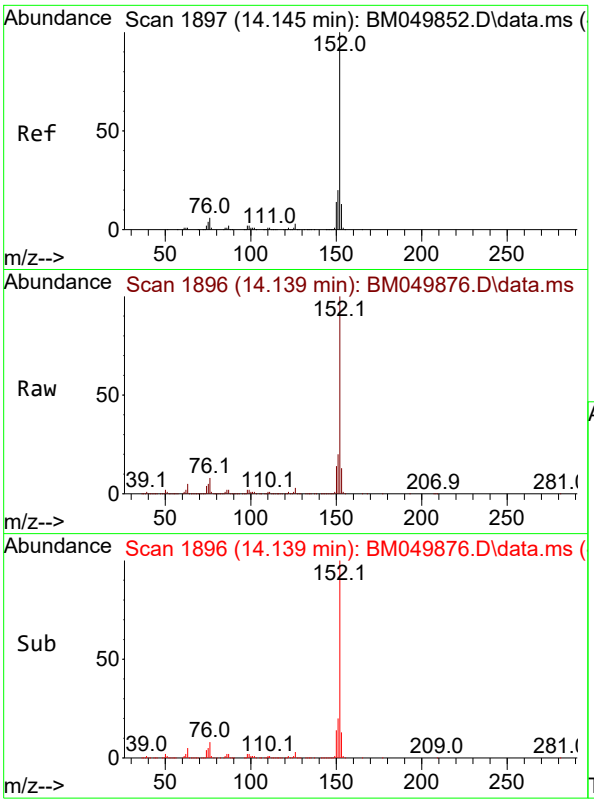


#48
2-Nitroaniline
Concen: 40.758 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 65 Resp: 359891

Ion	Ratio	Lower	Upper
65	100		
92	71.4	58.4	87.6
138	121.3	100.8	151.2



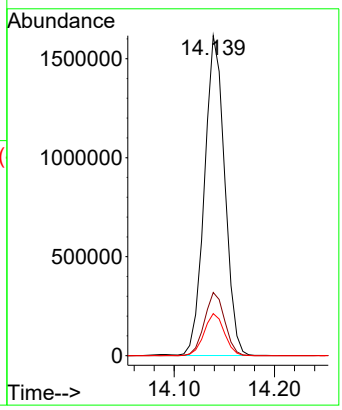


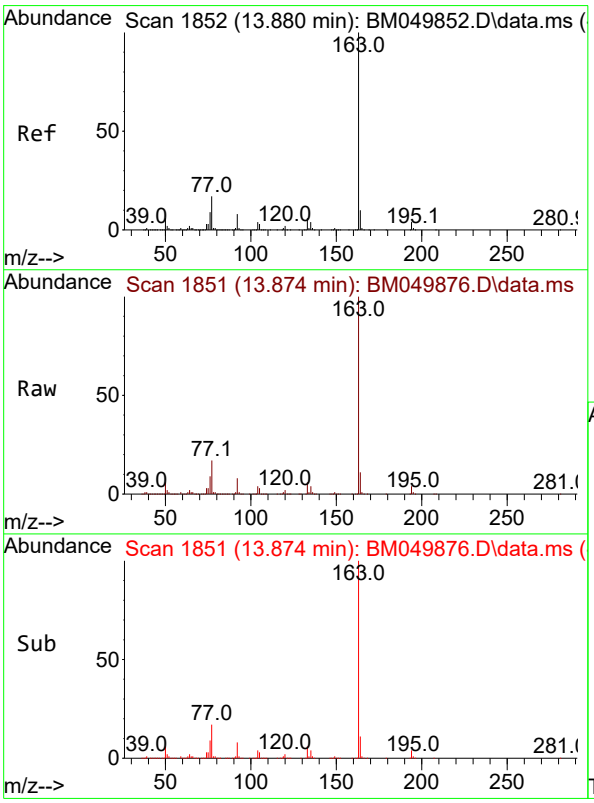
#49
Acenaphthylene
Concen: 40.832 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2270125

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.4	15.6

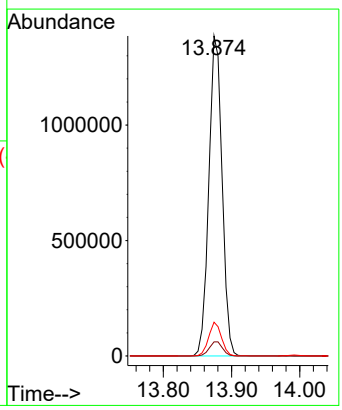


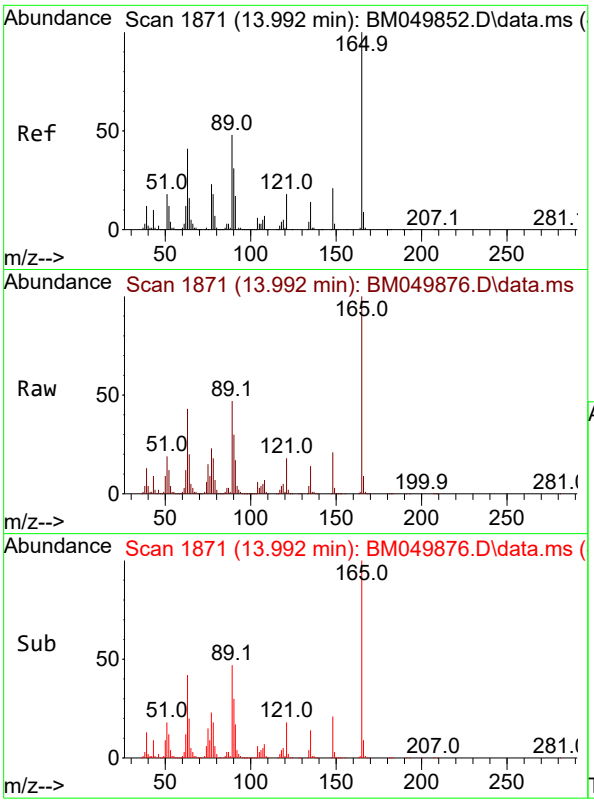


#50
Dimethylphthalate
Concen: 40.701 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:163 Resp: 1875746

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	7.9	11.9



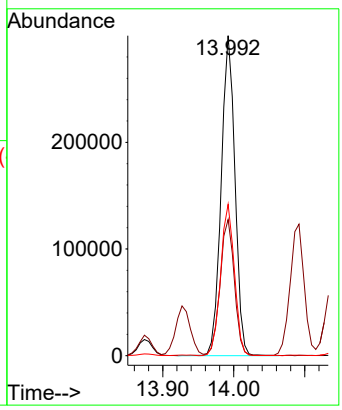


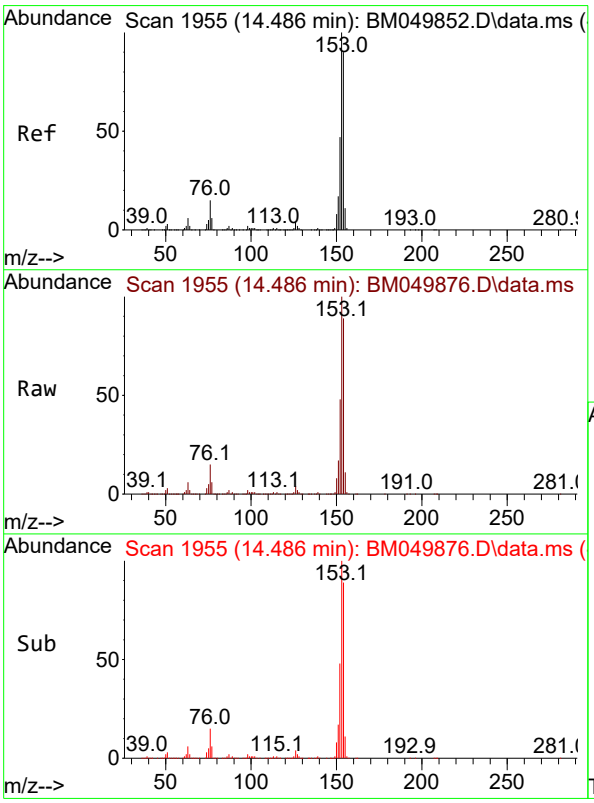
#51
2,6-Dinitrotoluene
Concen: 41.722 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 402852

Ion	Ratio	Lower	Upper
165	100		
63	42.5	36.1	54.1
89	47.3	38.3	57.5

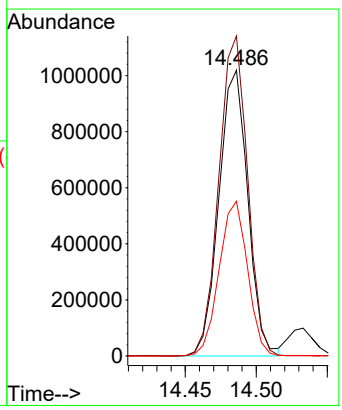


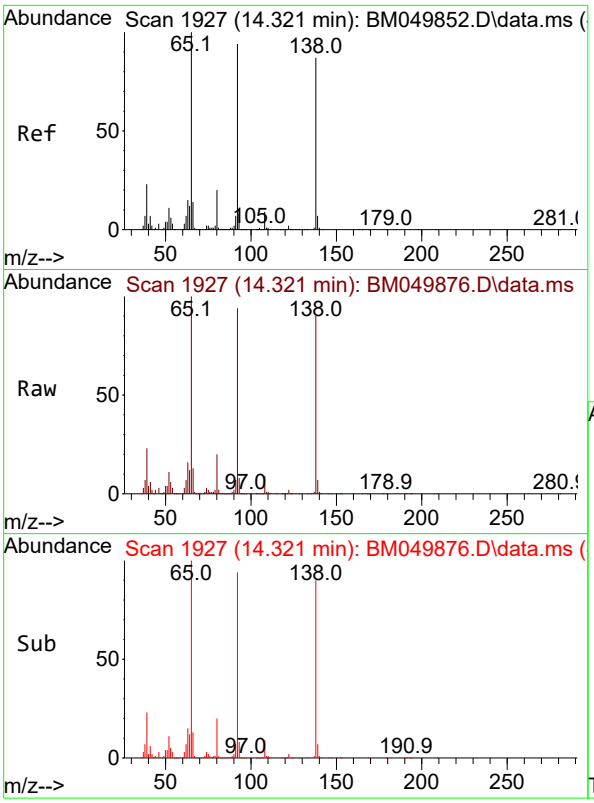


#52
Acenaphthene
Concen: 40.841 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:154 Resp: 1444316

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	54.1	42.2	63.2



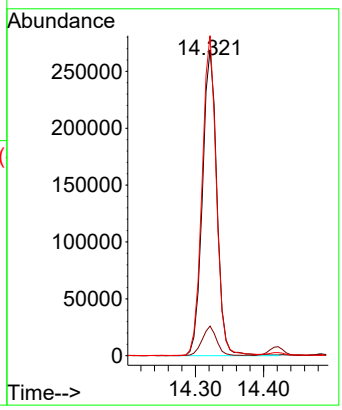


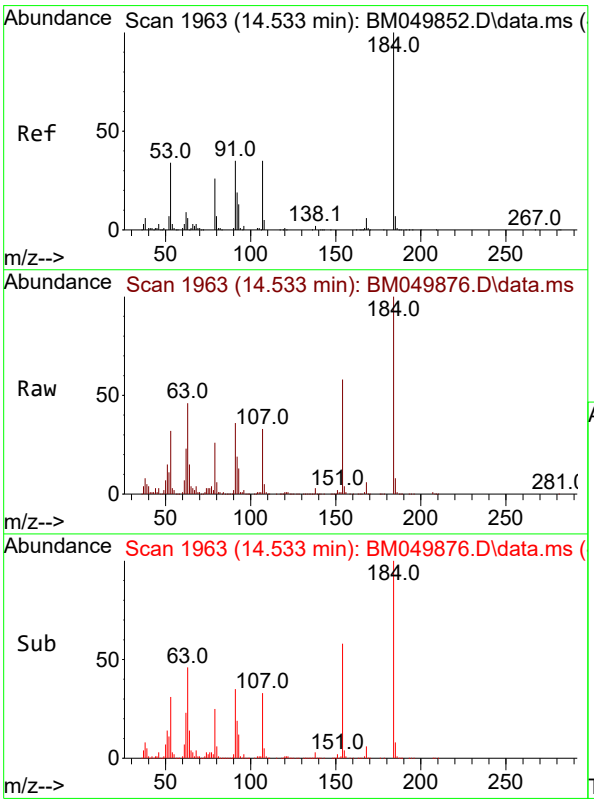
#53
3-Nitroaniline
Concen: 42.476 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 396394

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.6	86.5	129.7

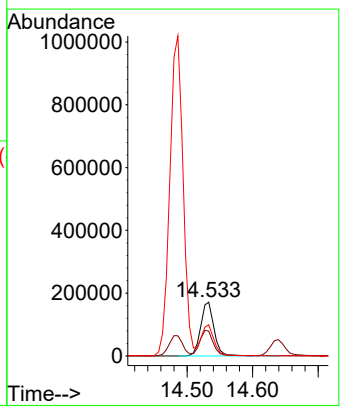


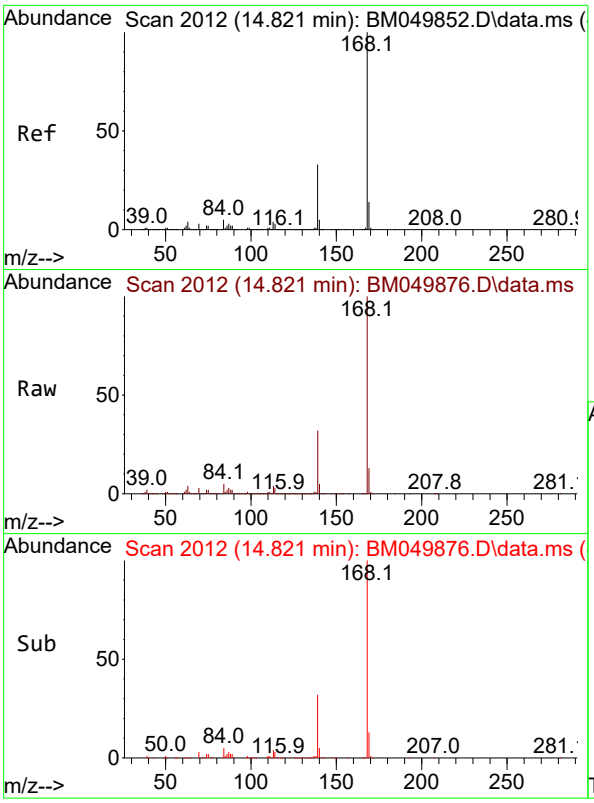


#54
2,4-Dinitrophenol
Concen: 38.865 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:184 Resp: 243202

Ion	Ratio	Lower	Upper
184	100		
63	46.2	38.4	57.6
154	57.9	48.1	72.1



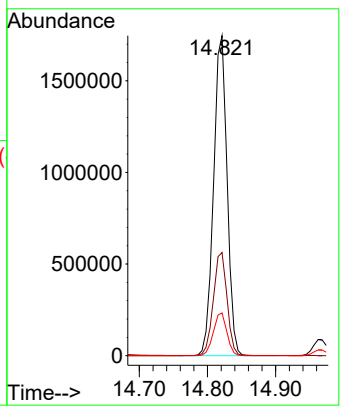


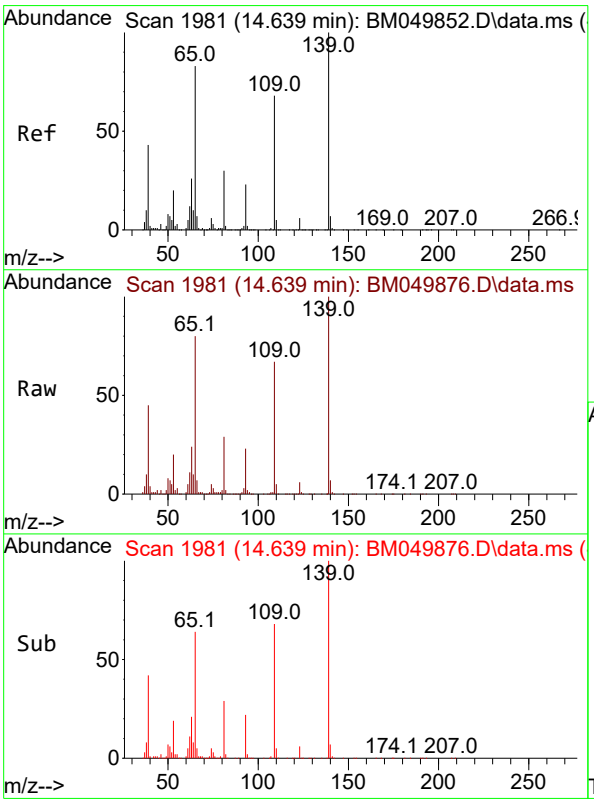
#55
Dibenzofuran
Concen: 40.776 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2410617

Ion	Ratio	Lower	Upper
168	100		
139	32.2	26.6	39.8
169	13.4	11.0	16.4

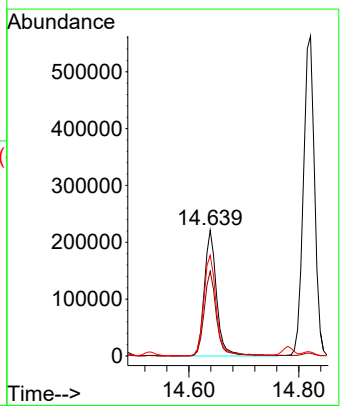


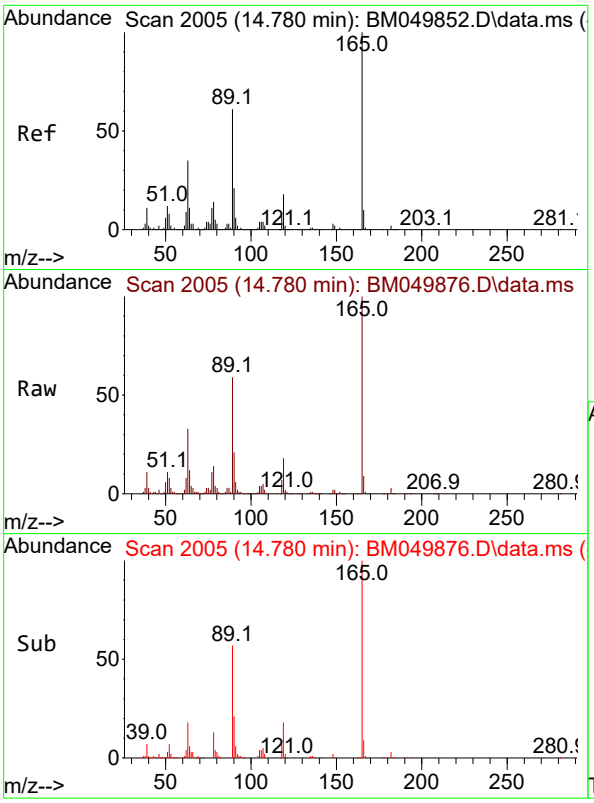


#56
4-Nitrophenol
Concen: 41.354 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:139 Resp: 343910

Ion	Ratio	Lower	Upper
139	100		
109	67.3	47.9	87.9
65	80.1	62.7	102.7



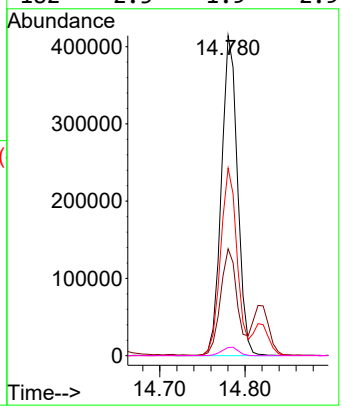


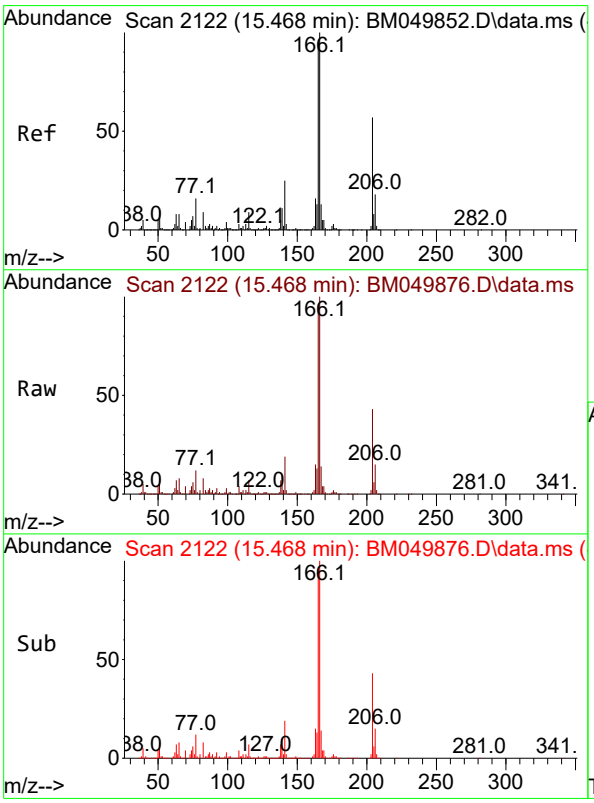
#57
2,4-Dinitrotoluene
Concen: 42.400 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 546172

Ion	Ratio	Lower	Upper
165	100		
63	33.4	28.6	42.8
89	58.6	49.0	73.6
182	2.5	1.9	2.9

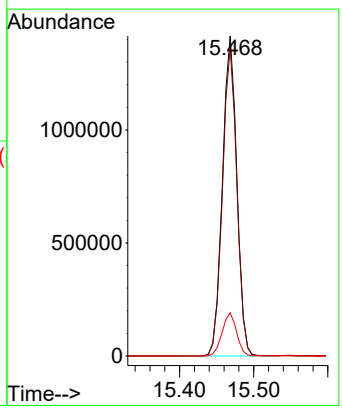


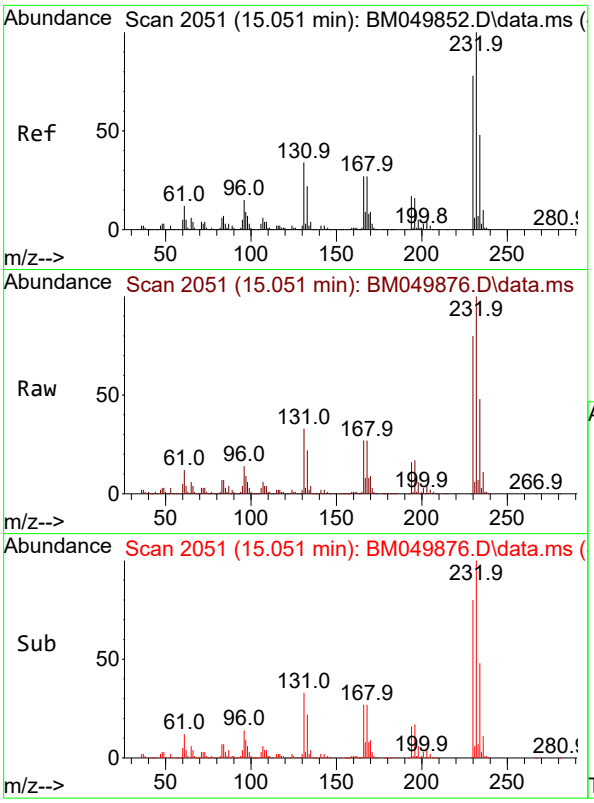


#58
Fluorene
Concen: 40.657 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:166 Resp: 1910592

Ion	Ratio	Lower	Upper
166	100		
165	96.2	76.3	114.5
167	13.5	10.7	16.1



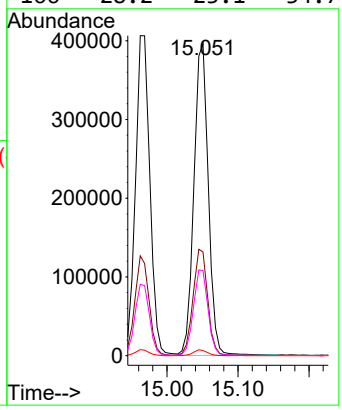


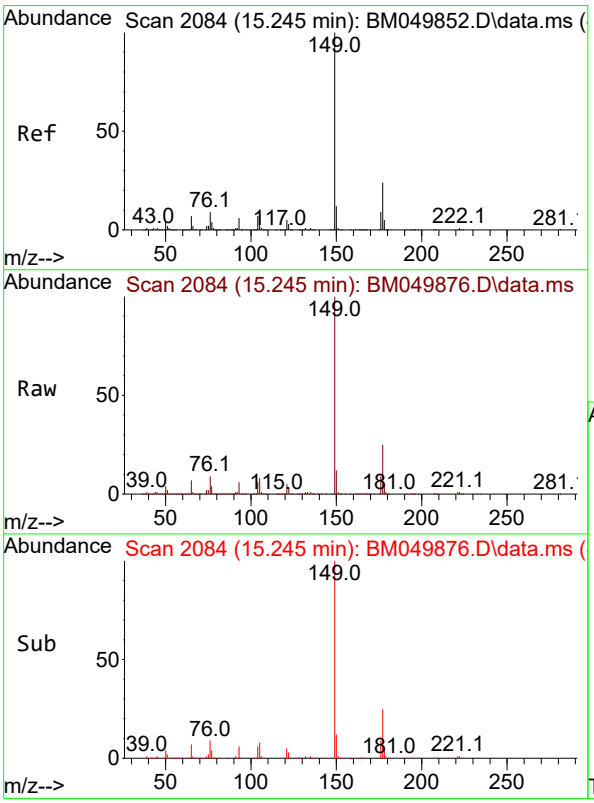
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.341 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 558780

Ion	Ratio	Lower	Upper
232	100		
131	34.8	28.4	42.6
130	1.9	1.6	2.4
166	28.2	23.1	34.7

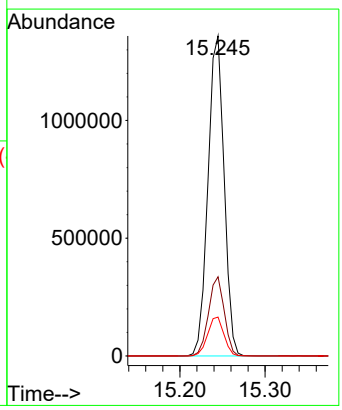


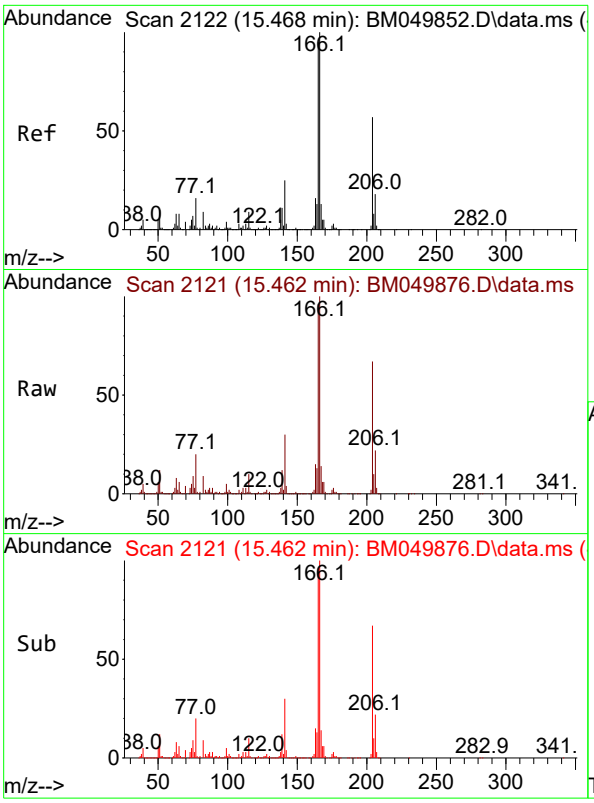


#60
Diethylphthalate
Concen: 40.430 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:149 Resp: 1786820

Ion	Ratio	Lower	Upper
149	100		
177	24.7	19.0	28.4
150	12.1	9.7	14.5



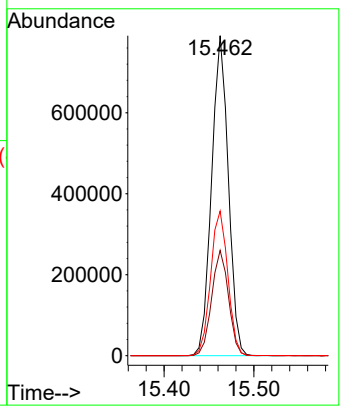


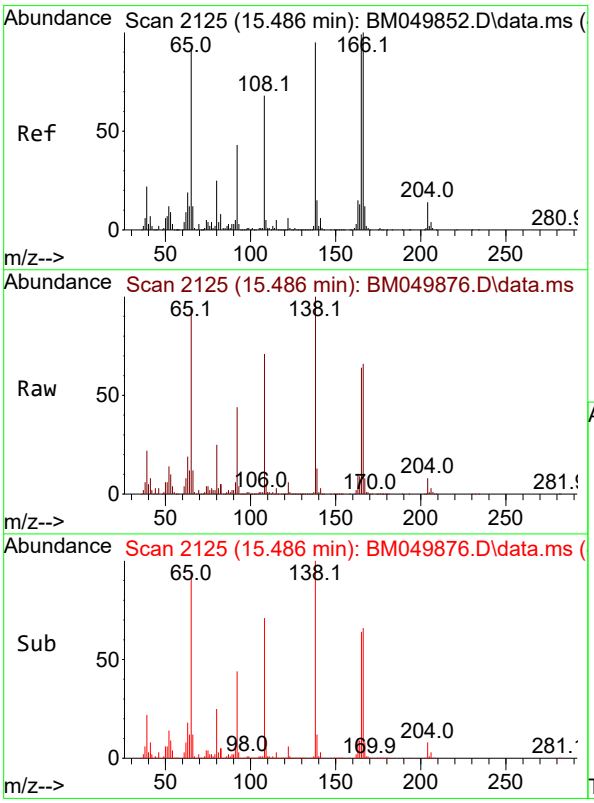
#61
4-Chlorophenyl-phenylether
Concen: 40.582 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1022448

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.2
141	45.2	35.0	52.6

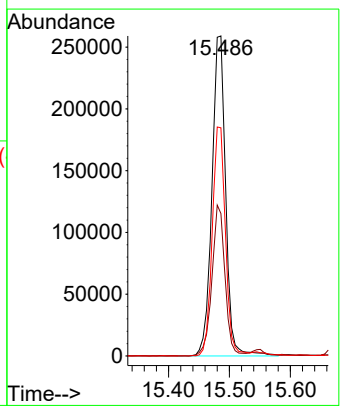


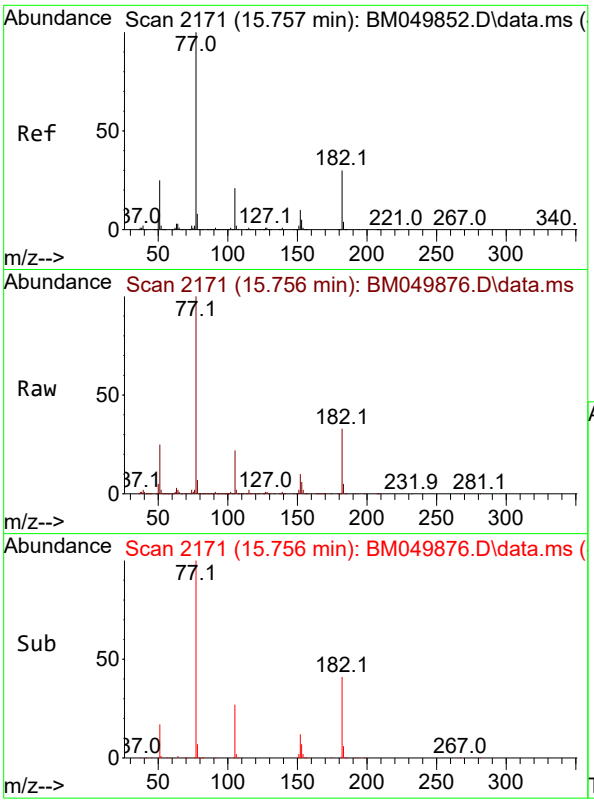


#62
4-Nitroaniline
Concen: 42.047 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:138 Resp: 405788

Ion	Ratio	Lower	Upper
138	100		
92	44.5	24.9	64.9
108	71.3	51.7	91.7



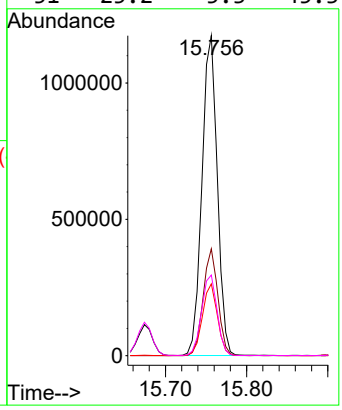


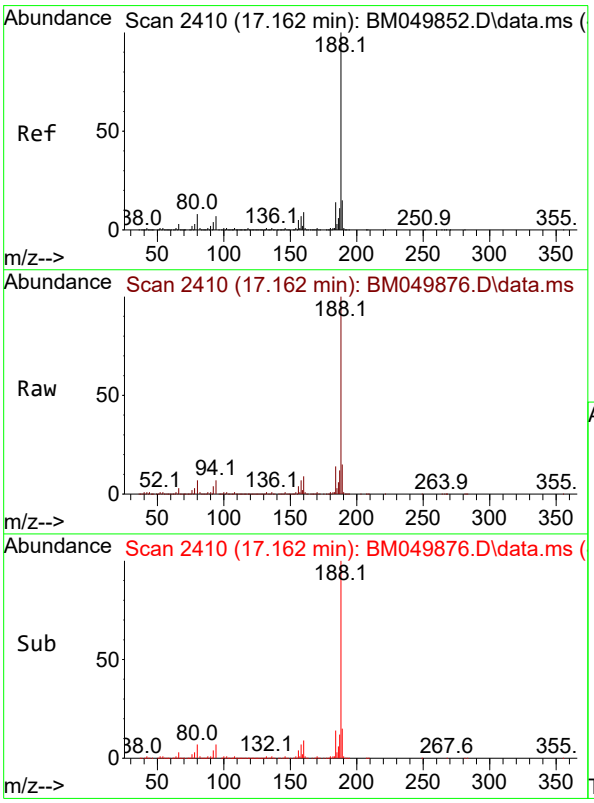
#63
Azobenzene
Concen: 40.588 ng
RT: 15.756 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1535782

Ion	Ratio	Lower	Upper
77	100		
182	33.4	10.4	50.4
105	22.5	1.5	41.5
51	25.2	5.3	45.3

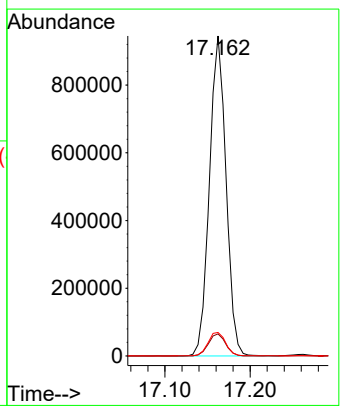


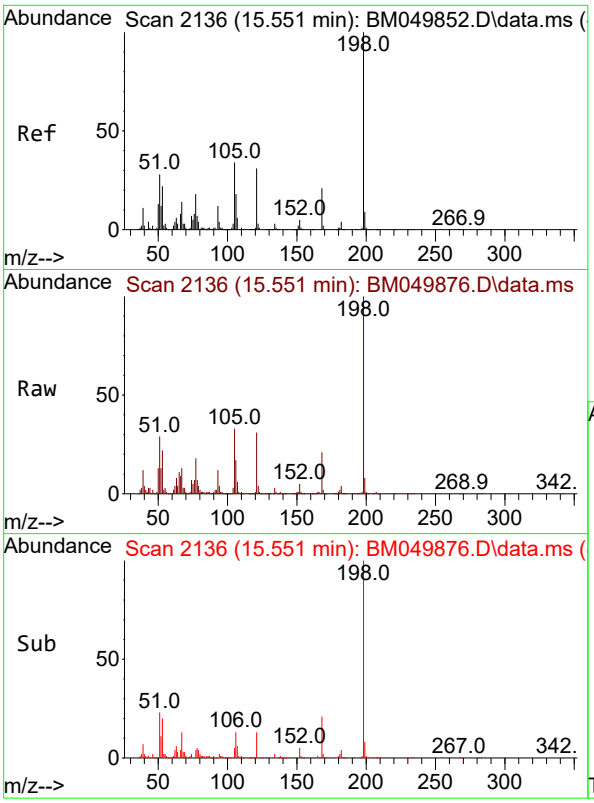


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:188 Resp: 1279702

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	7.4	6.4	9.6



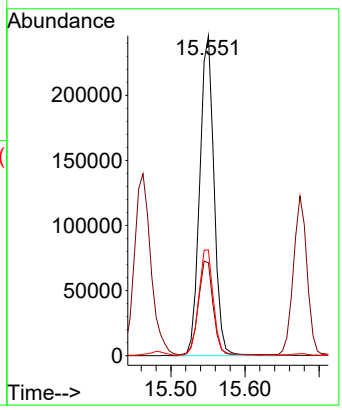


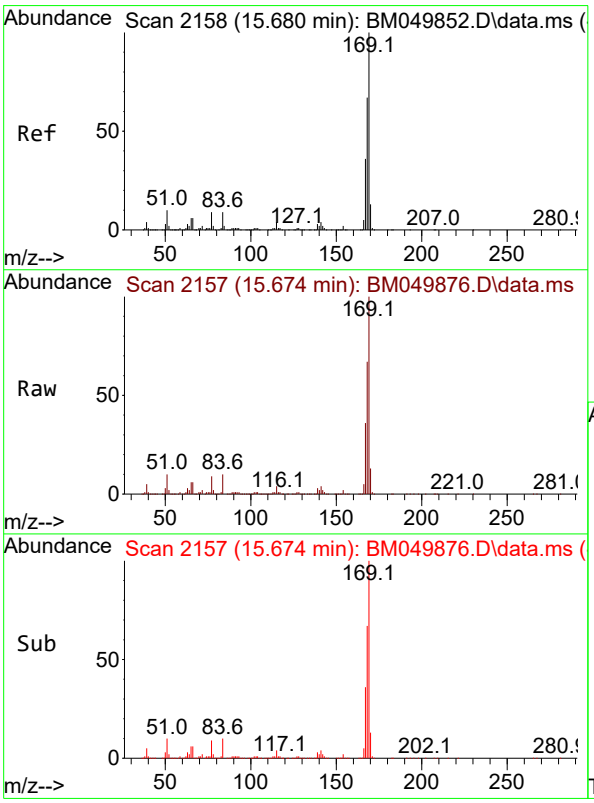
#65
4,6-Dinitro-2-methylphenol
Concen: 40.870 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 329580

Ion	Ratio	Lower	Upper
198	100		
51	29.1	9.6	49.6
105	33.0	14.7	54.7

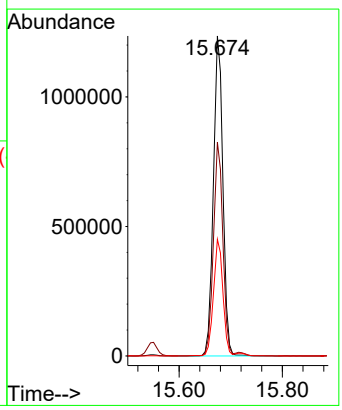


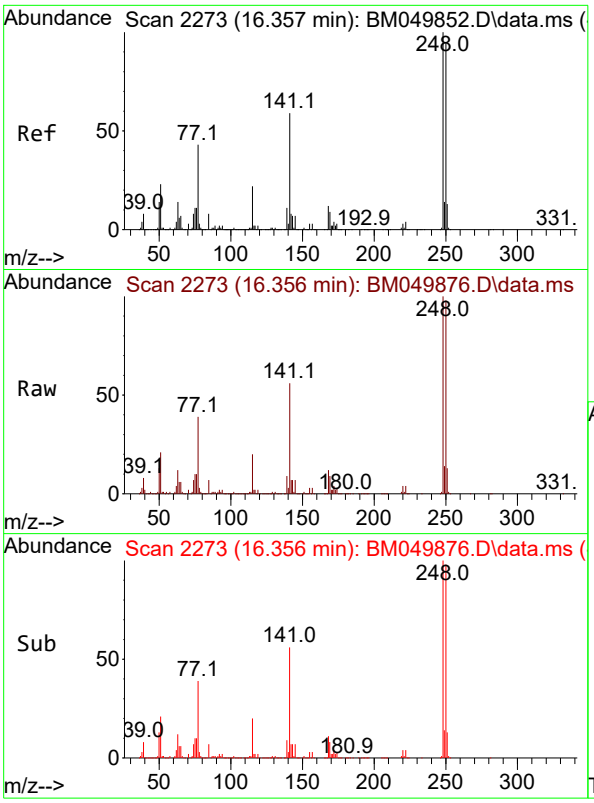


#66
n-Nitrosodiphenylamine
Concen: 41.061 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:169 Resp: 1572499

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.4	29.0	43.6



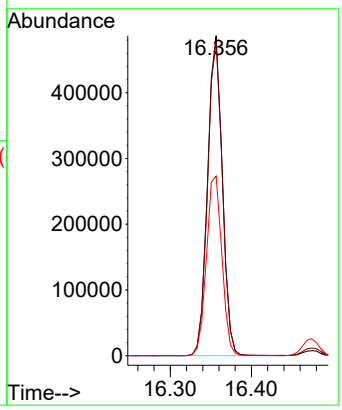


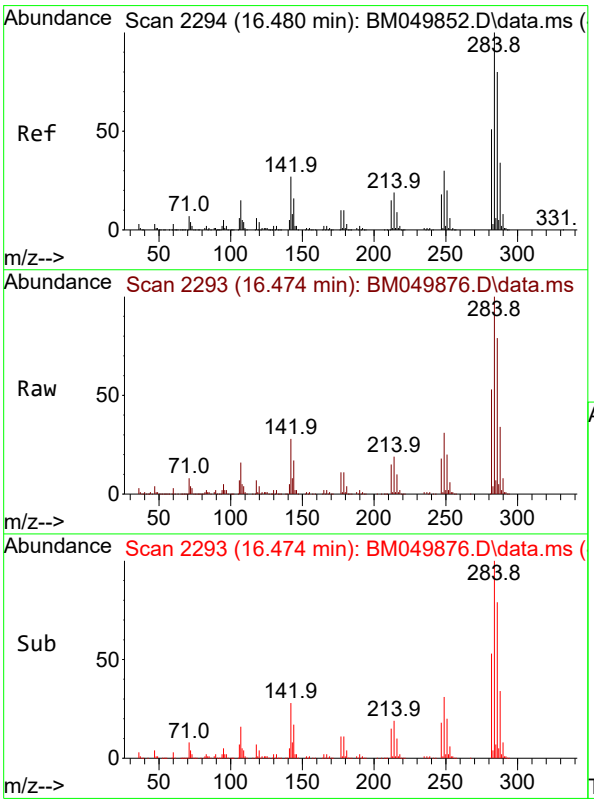
#67
4-Bromophenyl-phenylether
Concen: 41.305 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 613620

Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.2	114.2
141	56.1	47.3	70.9

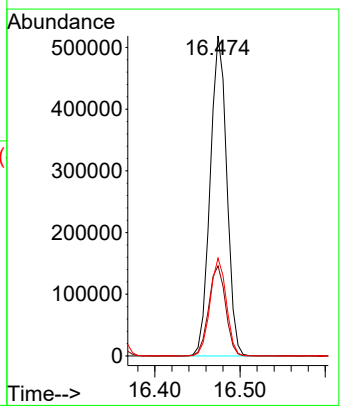


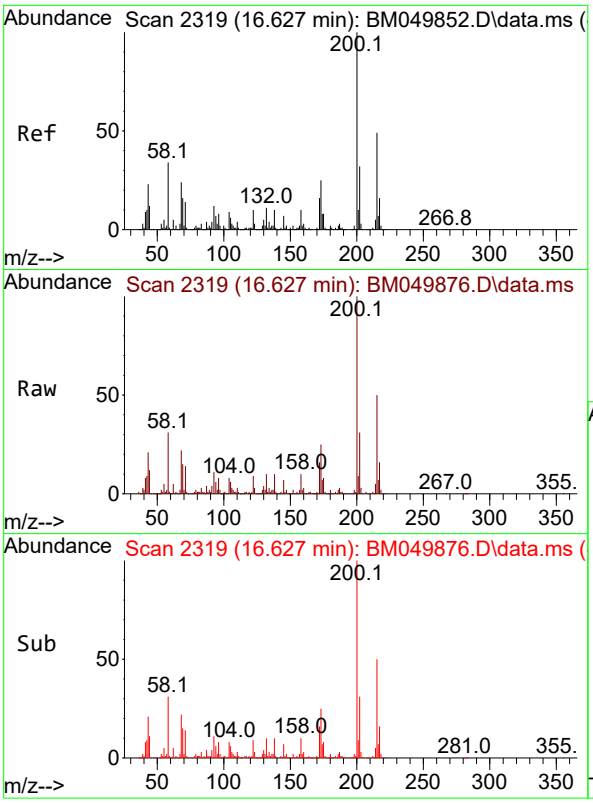


#68
Hexachlorobenzene
Concen: 41.127 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:284 Resp: 700815

Ion	Ratio	Lower	Upper
284	100		
142	28.2	21.2	31.8
249	30.5	24.1	36.1



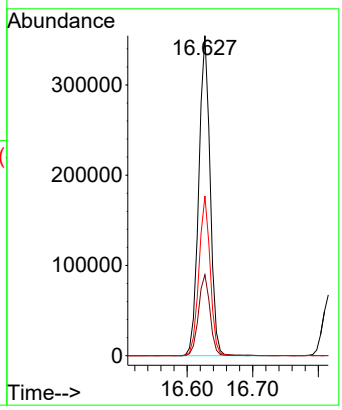


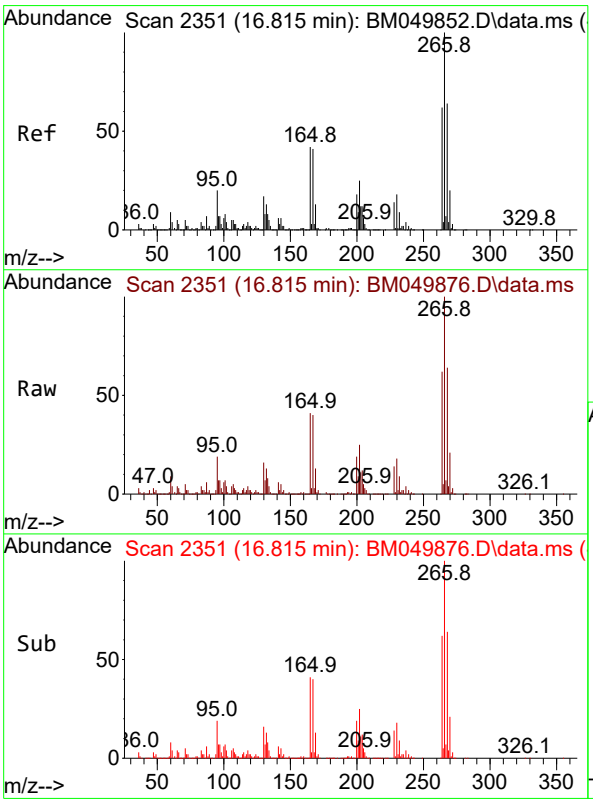
#69
Atrazine
Concen: 43.022 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 427194

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.4	45.4
215	49.8	29.0	69.0

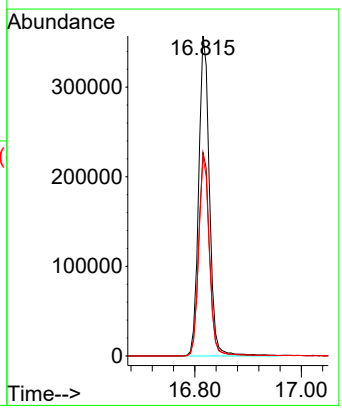


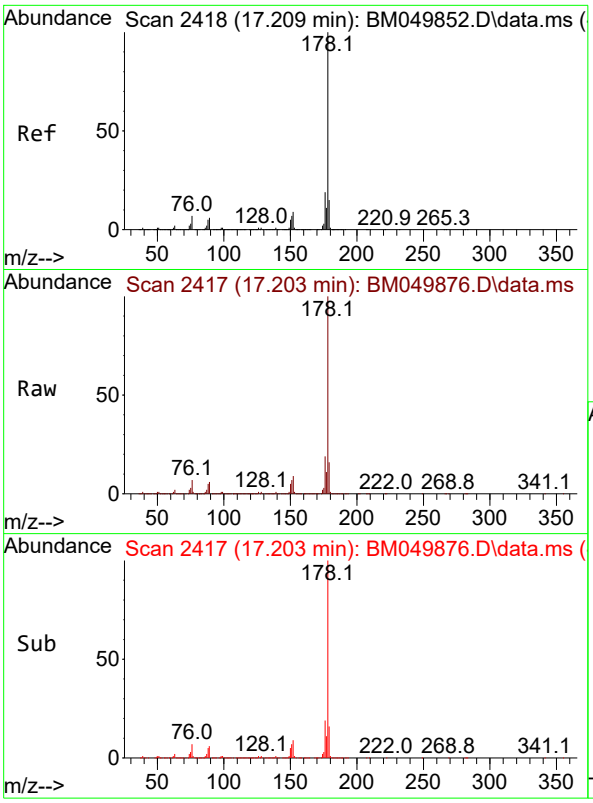


#70
Pentachlorophenol
Concen: 39.707 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:266 Resp: 498137

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.4	77.2
264	62.5	49.8	74.8



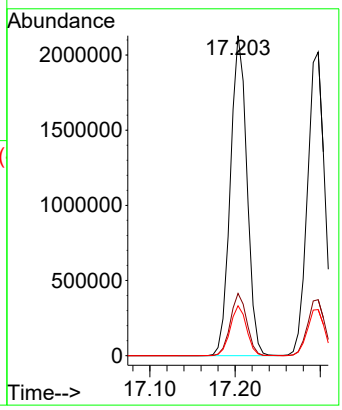


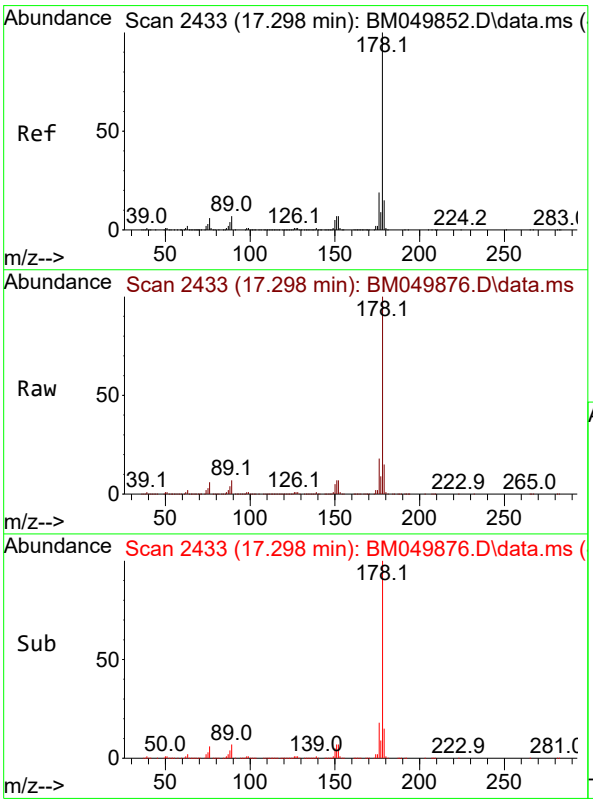
#71
Phenanthrene
Concen: 40.981 ng
RT: 17.203 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2875162

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.6	12.3	18.5

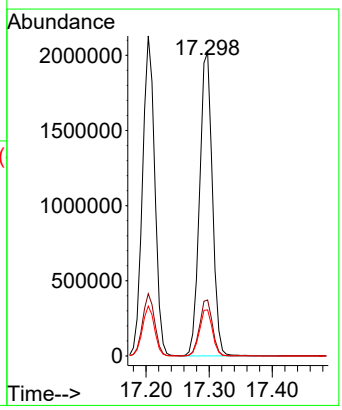


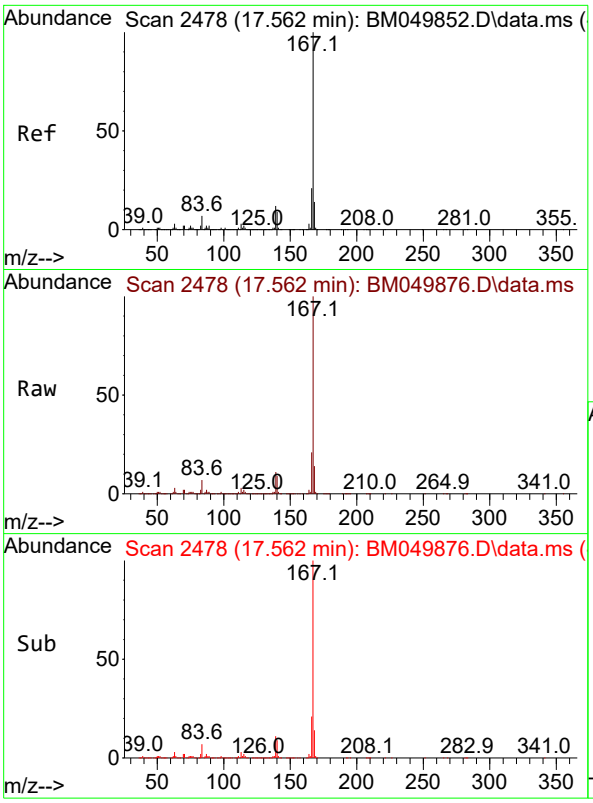


#72
Anthracene
Concen: 41.121 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:178 Resp: 2843094

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.2	12.4	18.6



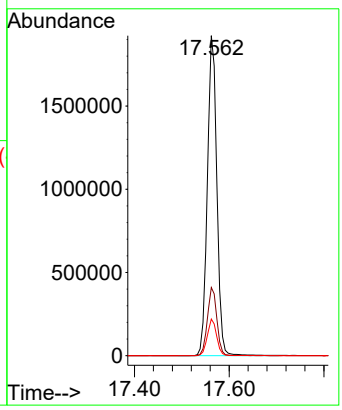


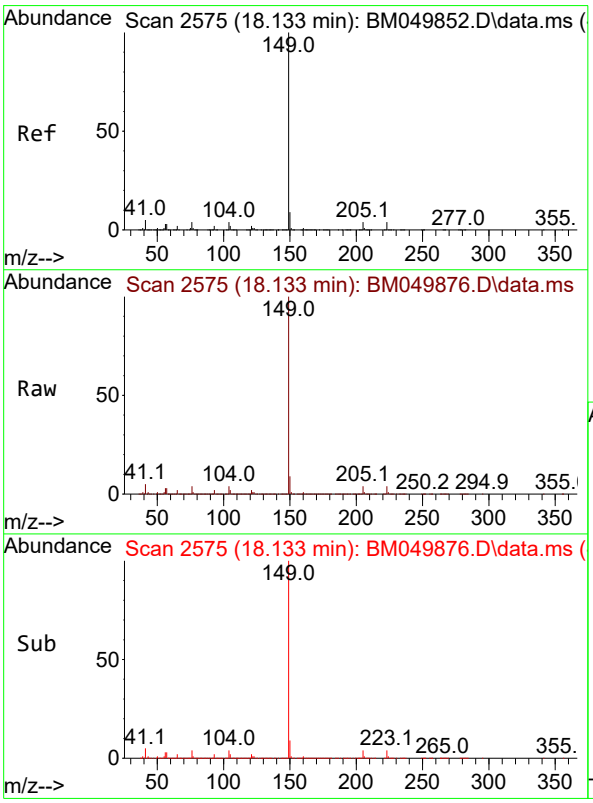
#73
Carbazole
Concen: 41.001 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2670007

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.4	9.3	13.9

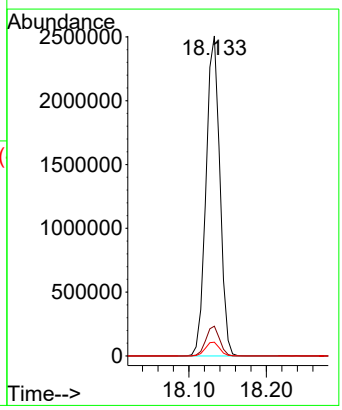


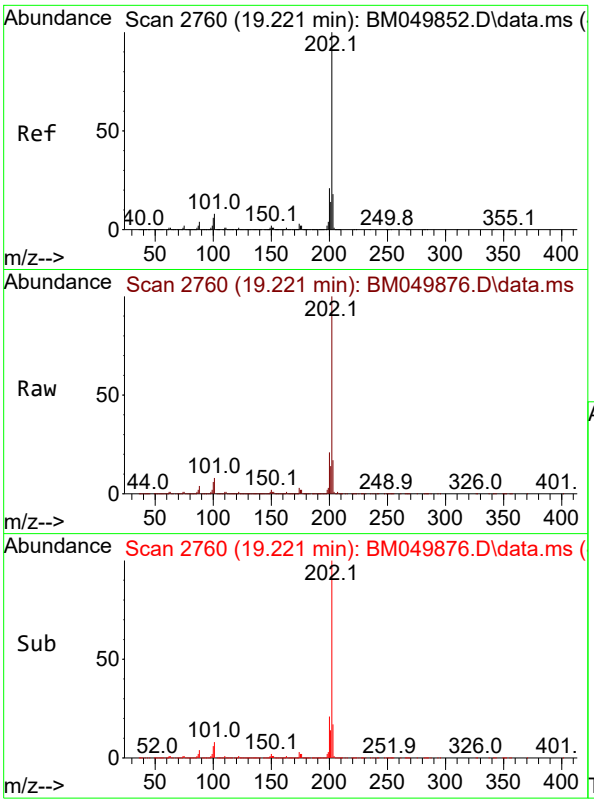


#74
Di-n-butylphthalate
Concen: 41.281 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:149 Resp: 3096383

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.3	3.5	5.3



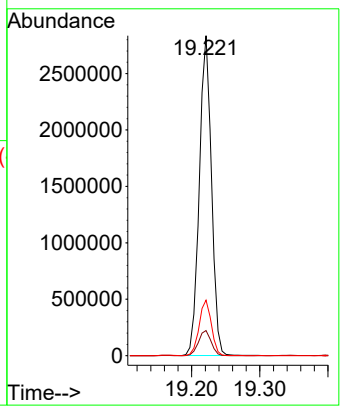


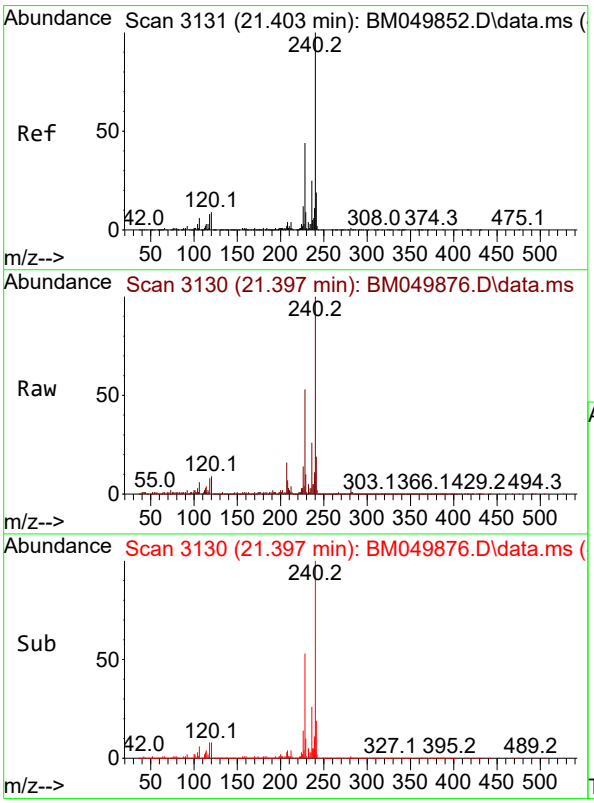
#75
Fluoranthene
Concen: 40.587 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3501102

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.3	0.0	37.8

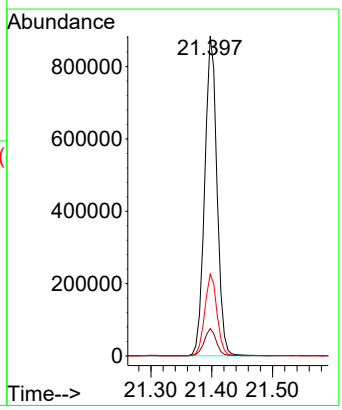


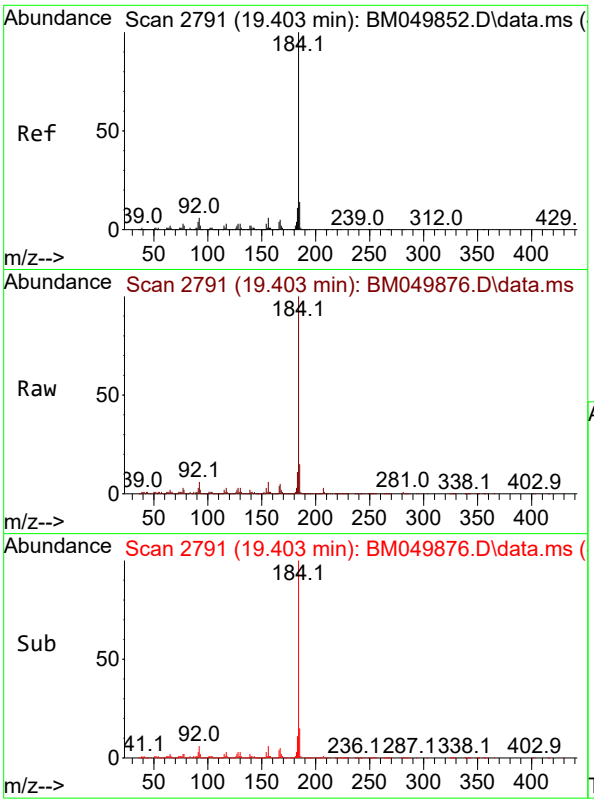


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:240 Resp: 1240973

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	25.6	20.4	30.6



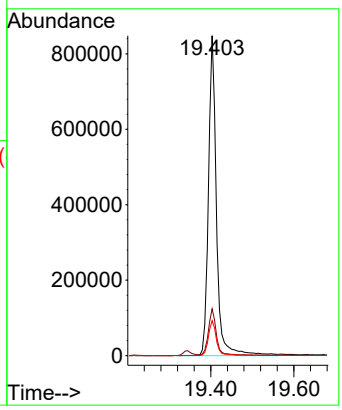


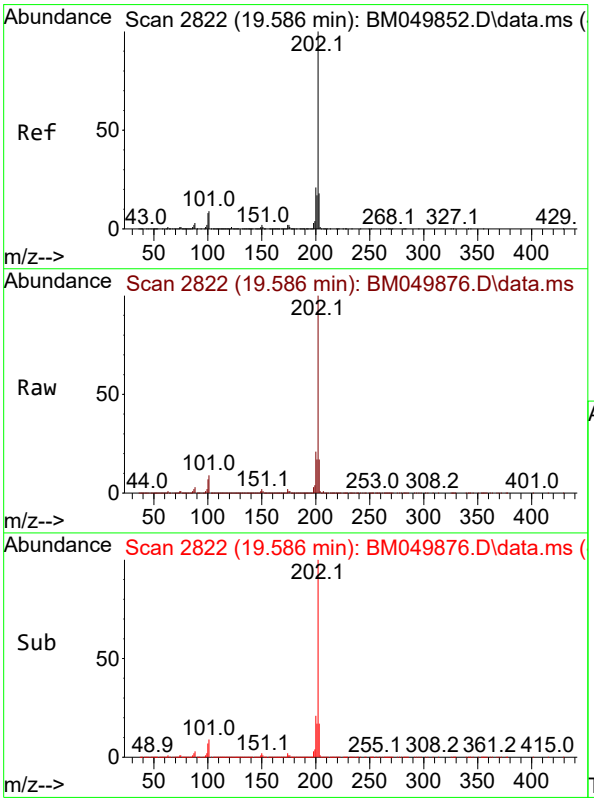
#77
Benzidine
Concen: 68.977 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1135587

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.0	8.8	13.2

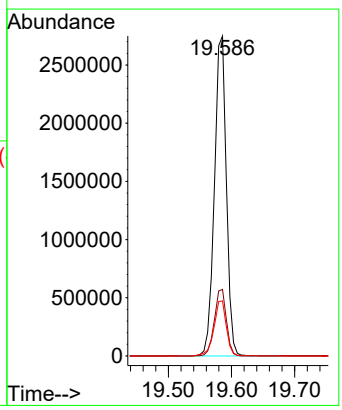


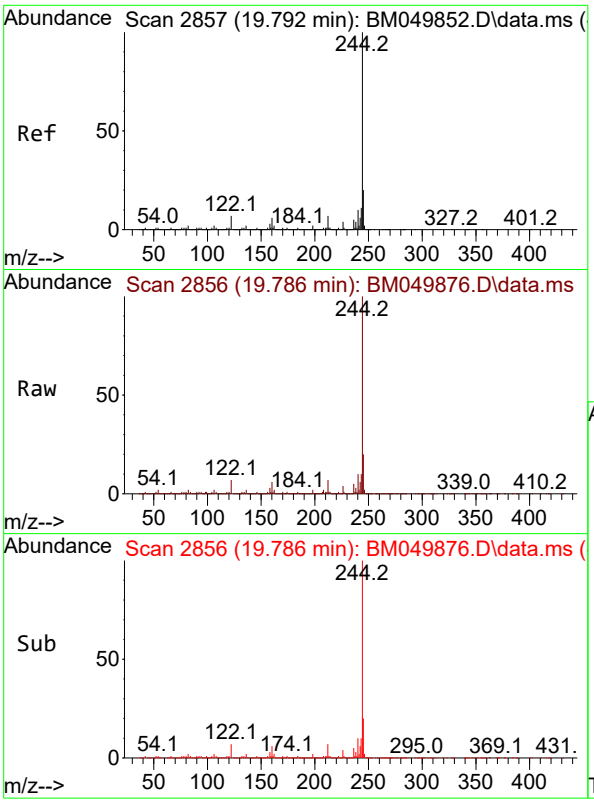


#78
Pyrene
Concen: 42.024 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:202 Resp: 3594146

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.2	14.0	21.0



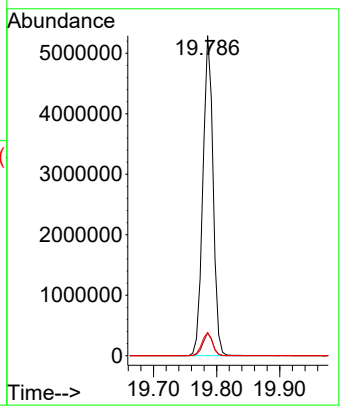


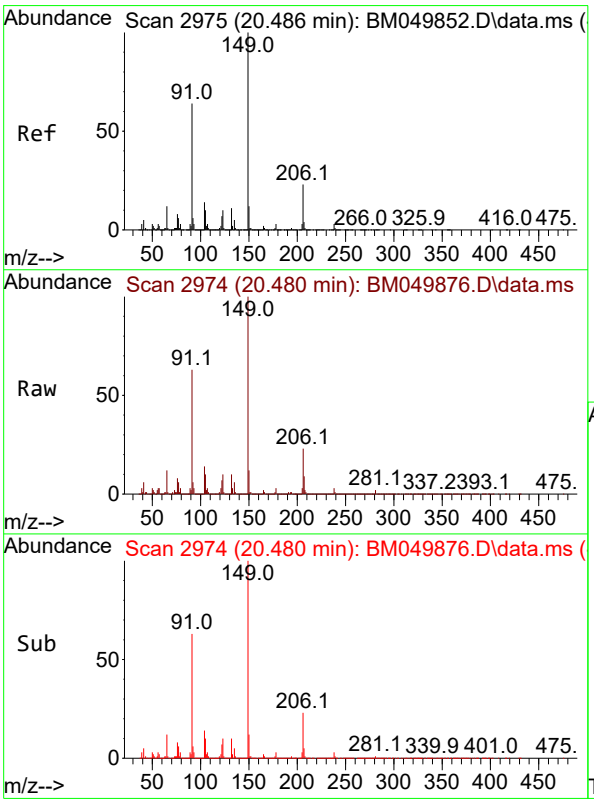
#79
Terphenyl-d14
Concen: 89.384 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 5918915

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	7.2	5.4	8.0

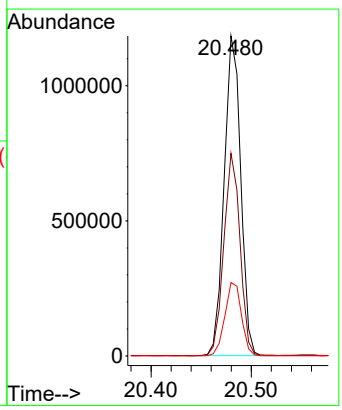


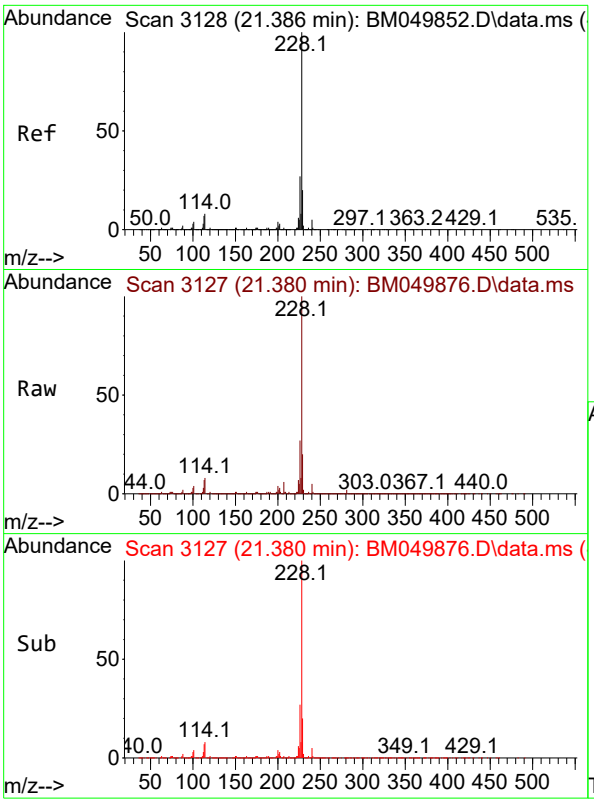


#80
Butylbenzylphthalate
Concen: 42.088 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:149 Resp: 1352556

Ion	Ratio	Lower	Upper
149	100		
91	63.3	50.9	76.3
206	22.9	18.4	27.6



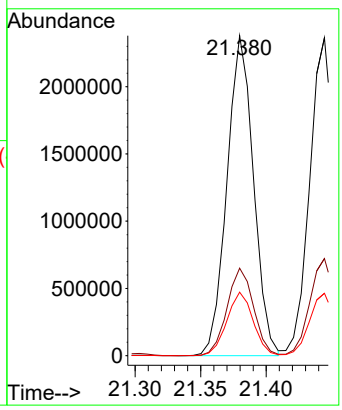


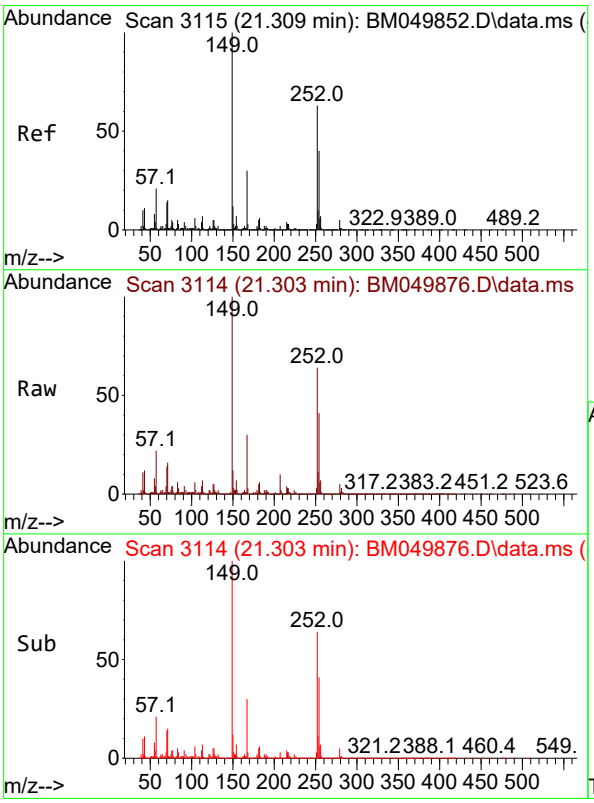
#81
Benzo(a)anthracene
Concen: 40.656 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3353051

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.8	15.8	23.8

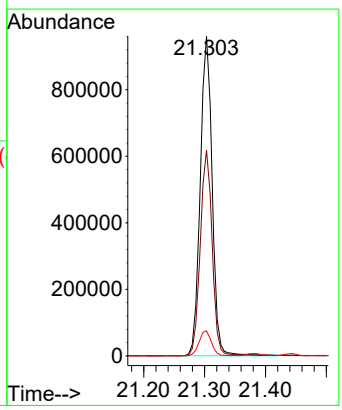


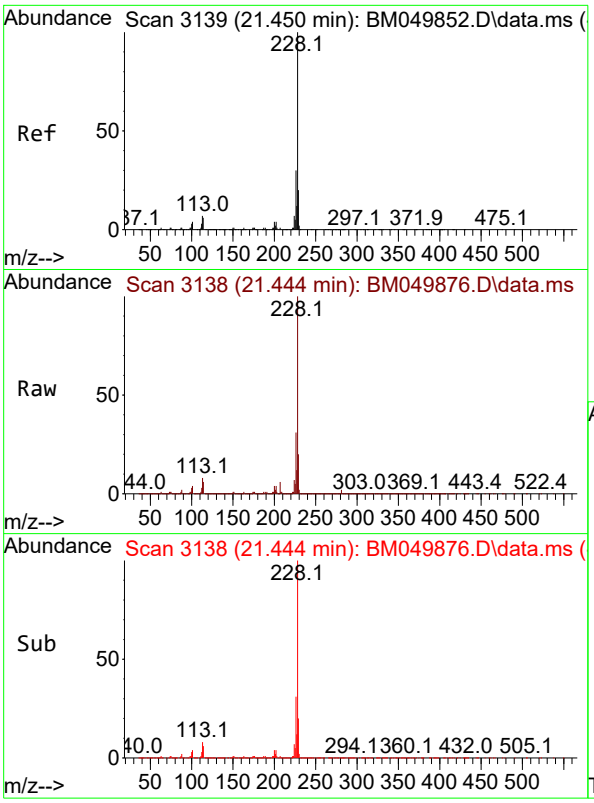


#82
3,3'-Dichlorobenzidine
Concen: 41.777 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:252 Resp: 1301185

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	7.9	6.3	9.5



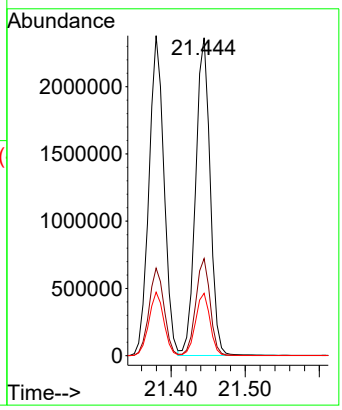


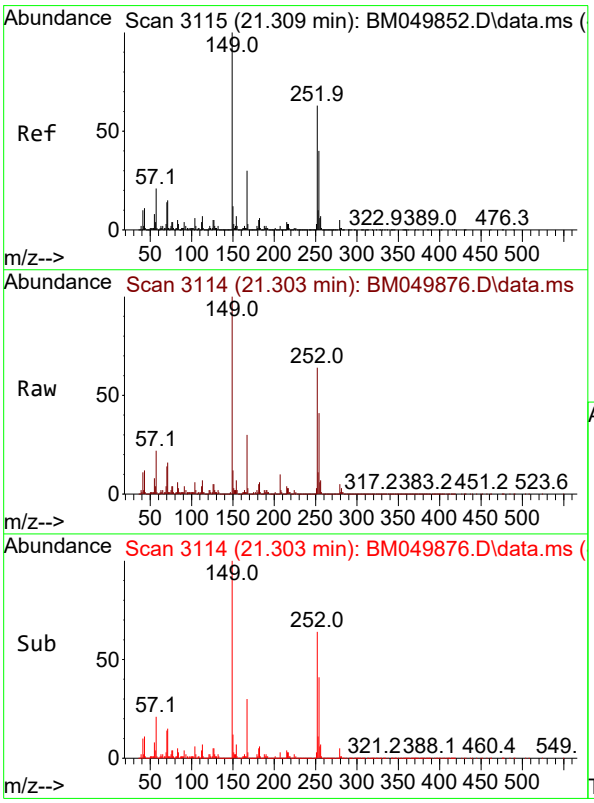
#83
Chrysene
Concen: 40.889 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3206035

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	19.6	15.8	23.6

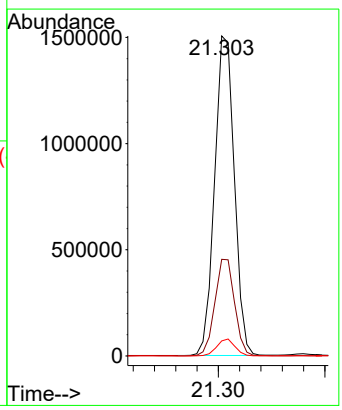


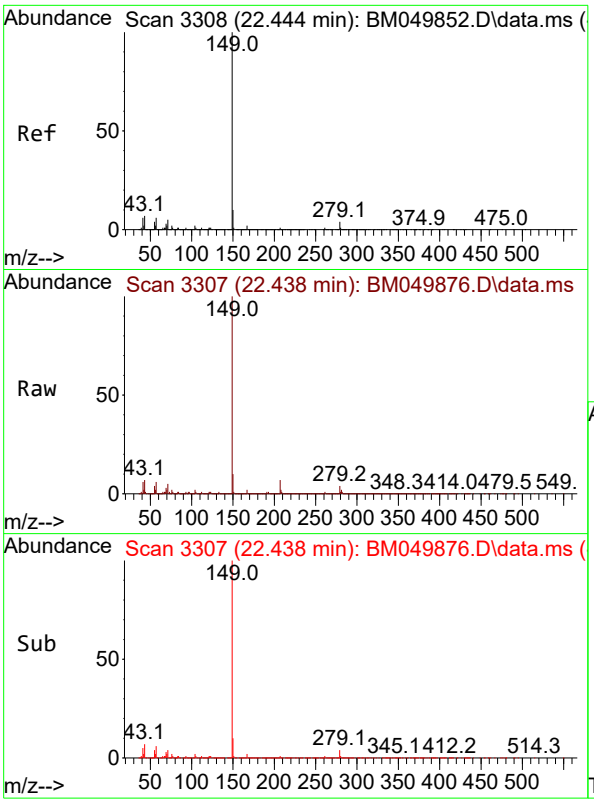


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.206 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:149 Resp: 1929348

Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.8	35.6
279	4.7	3.8	5.8



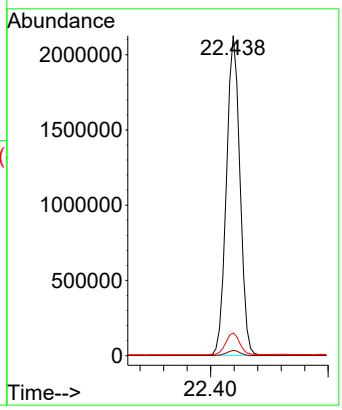


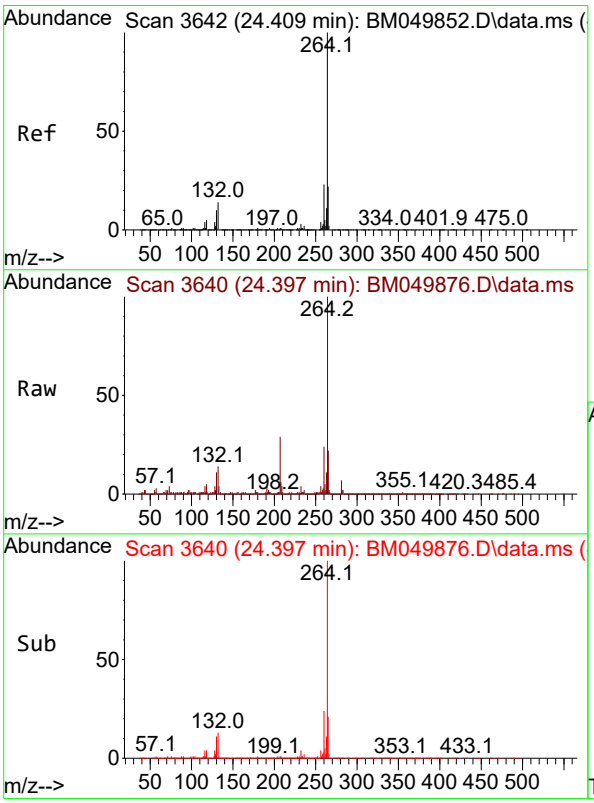
#85
Di-n-octyl phthalate
Concen: 41.414 ng
RT: 22.438 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 3392272

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.6

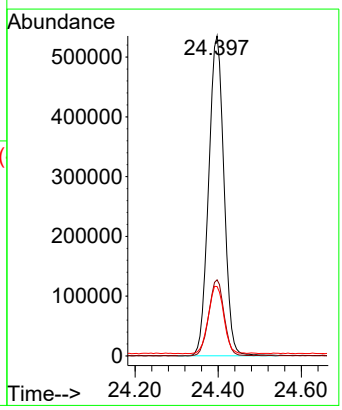


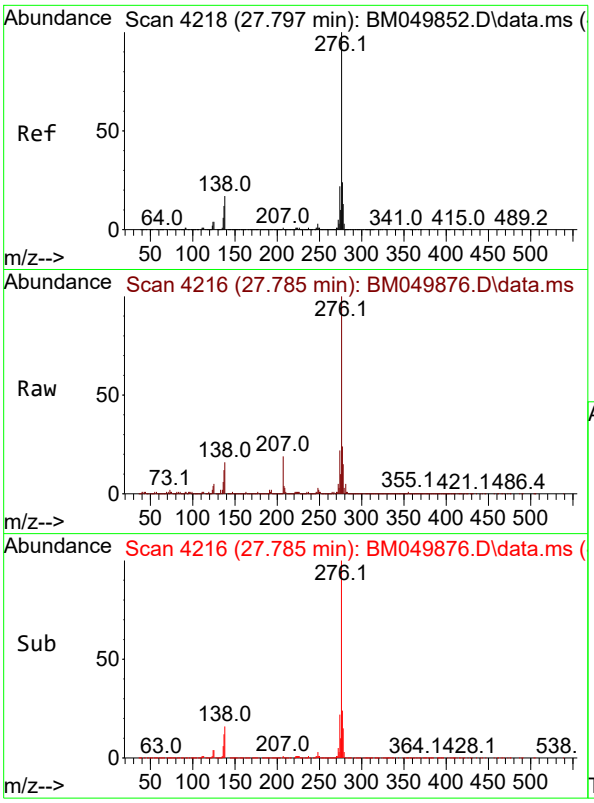


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:264 Resp: 1368352

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.7	17.8	26.8



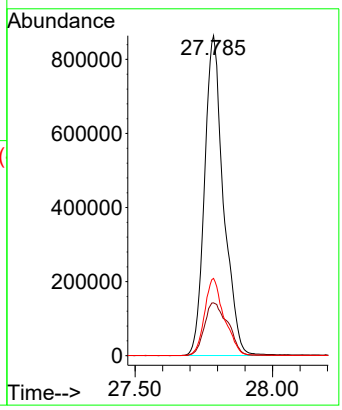


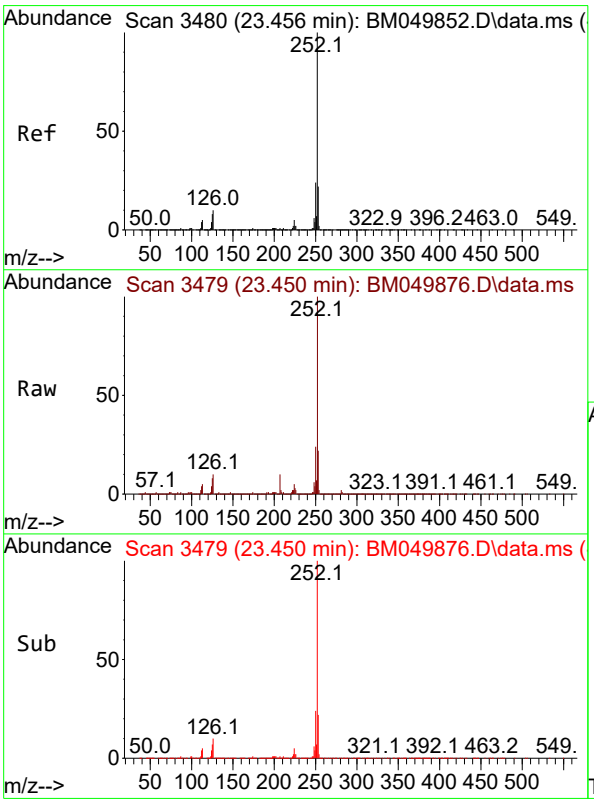
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.573 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 4138430

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.8	25.2
277	24.9	20.1	30.1

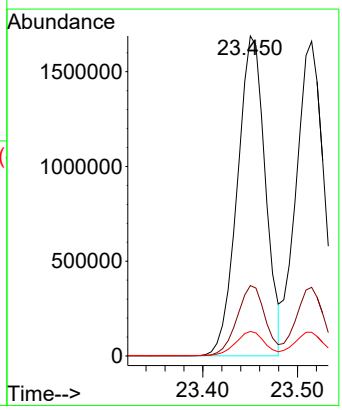


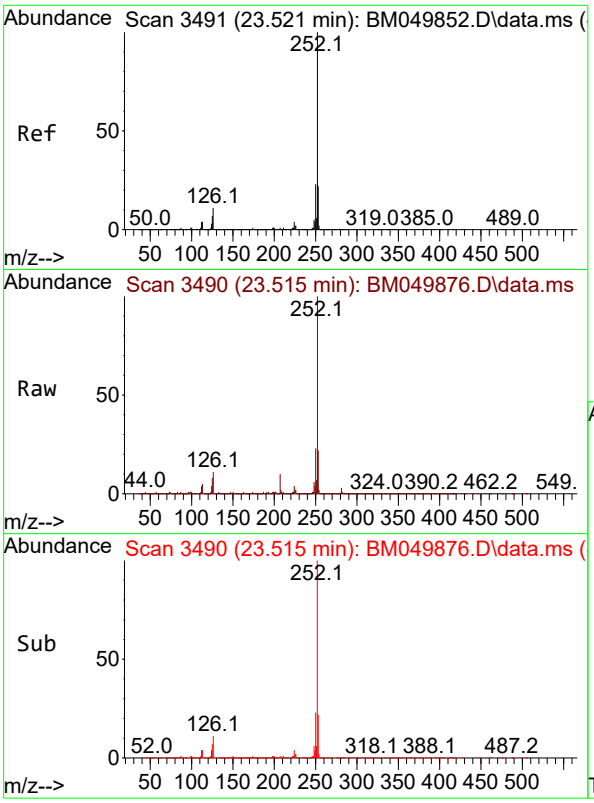


#88
Benzo(b)fluoranthene
Concen: 39.676 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:252 Resp: 3467341

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.6	6.2	9.4



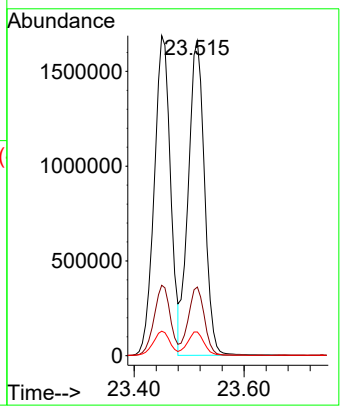


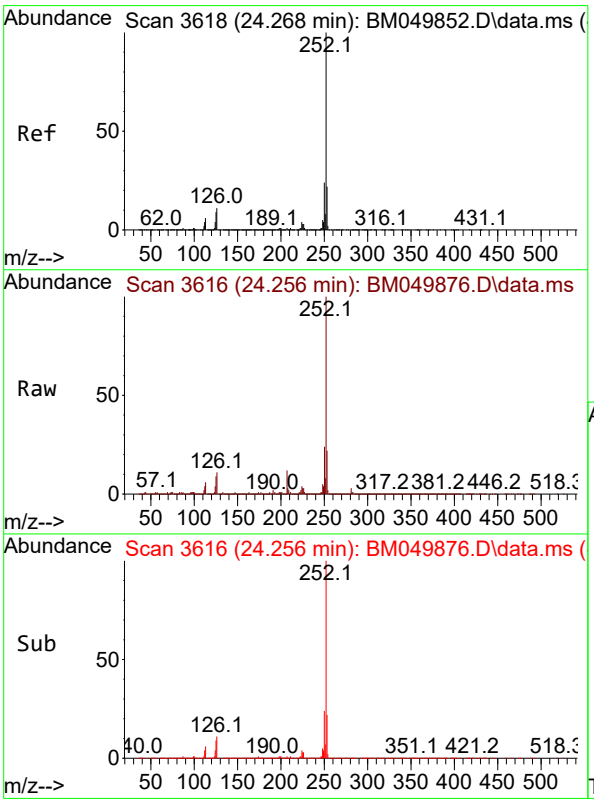
#89
Benzo(k)fluoranthene
Concen: 40.108 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3396697

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.5	5.8	8.8

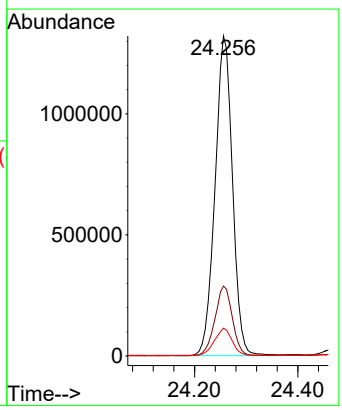


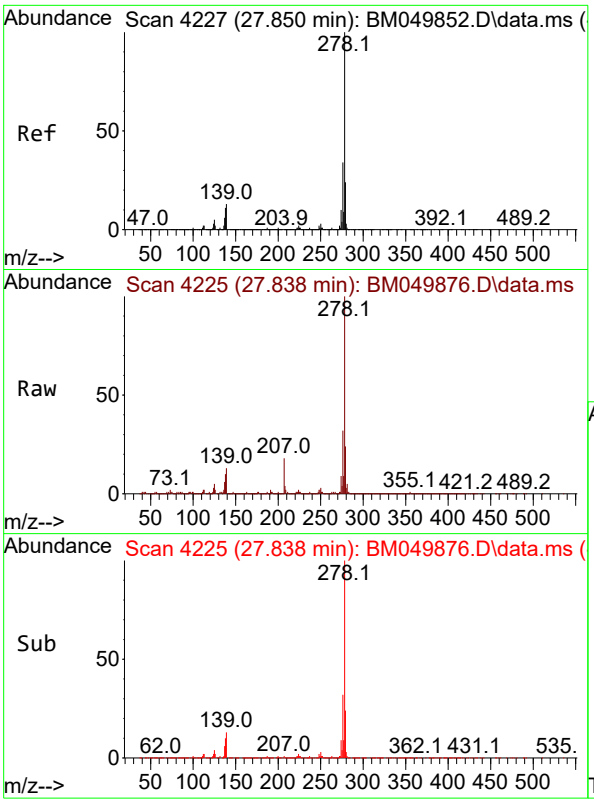


#90
Benzo(a)pyrene
Concen: 40.305 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:252 Resp: 3095192

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.7	7.0	10.4



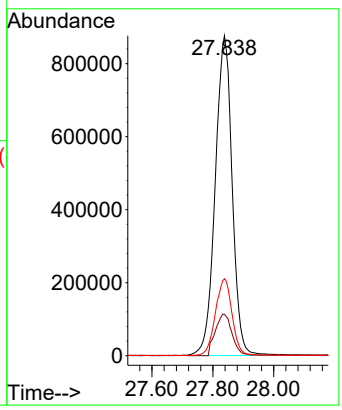


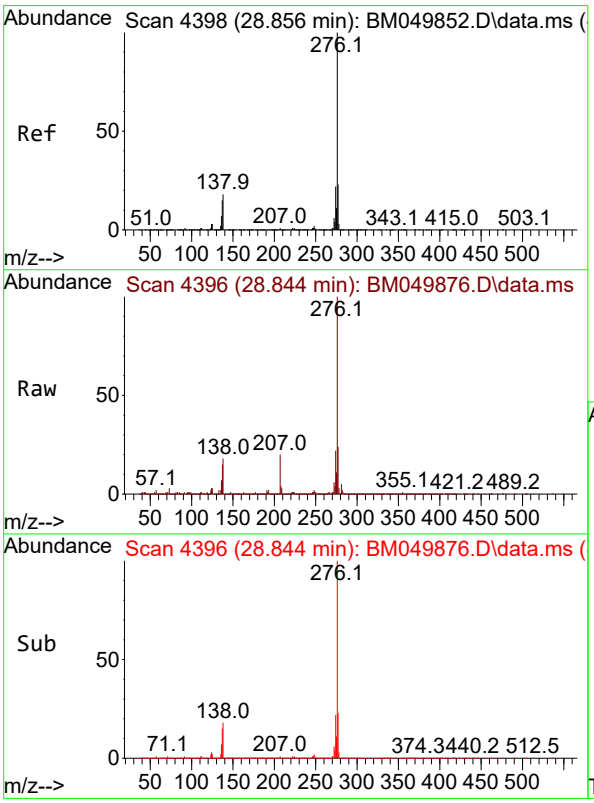
#91
Dibenzo(a,h)anthracene
Concen: 40.376 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 3392168

Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.6	15.8
279	24.1	19.1	28.7

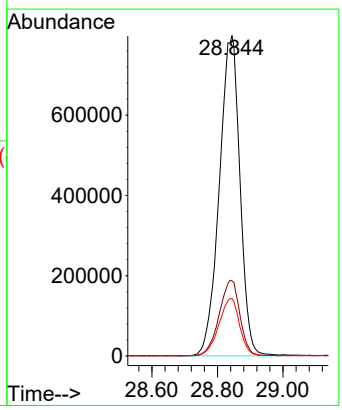




#92
Benzo(g,h,i)perylene
Concen: 40.455 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:276 Resp: 3473125

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	18.0	14.6	21.8



Sample Results: **BM049876.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	106	0.00
2		1,4-Dioxane	0.485	0.475	2.1	103	0.00
3		Pyridine	1.274	1.248	2.0	102	0.00
4		n-Nitrosodimethylamine	0.485	0.482	0.6	104	0.00
5	S	2-Fluorophenol	1.178	1.166	1.0	103	0.00
6		Aniline	1.256	1.263	-0.6	101	0.00
7	S	Phenol-d6	1.465	1.437	1.9	102	0.00
8		2-Chlorophenol	1.207	1.188	1.6	103	0.00
9		Benzaldehyde	0.752	0.687	8.6	97	0.00
10	C	Phenol	1.430	1.404	1.8	103	0.00
11		bis(2-Chloroethyl)ether	1.121	1.103	1.6	103	0.00
12		1,3-Dichlorobenzene	1.427	1.429	-0.1	105	0.00
13	C	1,4-Dichlorobenzene	1.436	1.427	0.6	104	0.00
14		1,2-Dichlorobenzene	1.352	1.342	0.7	103	0.00
15		Benzyl Alcohol	0.923	0.905	2.0	100	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.227	1.8	102	0.00
17		2-Methylphenol	0.881	0.857	2.7	102	0.00
18		Hexachloroethane	0.500	0.490	2.0	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.797	1.8	101	0.00
20		3+4-Methylphenols	1.201	1.171	2.5	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.486	0.492	-1.2	100	0.00
23	S	Nitrobenzene-d5	0.359	0.367	-2.2	101	0.00
24		Nitrobenzene	0.346	0.348	-0.6	99	0.00
25		Isophorone	0.602	0.607	-0.8	100	0.00
26	C	2-Nitrophenol	0.183	0.190	-3.8	102	0.00
27		2,4-Dimethylphenol	0.208	0.213	-2.4	102	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.407	-1.0	101	0.00
29	C	2,4-Dichlorophenol	0.345	0.354	-2.6	102	0.00
30		1,2,4-Trichlorobenzene	0.399	0.409	-2.5	103	0.00
31		Naphthalene	1.028	1.040	-1.2	101	0.00
32		Benzoic acid	0.220	0.243	-10.5	108	0.01
33		4-Chloroaniline	0.363	0.372	-2.5	99	0.00
34	C	Hexachlorobutadiene	0.247	0.257	-4.0	105	0.00
35		Caprolactam	0.099	0.097	2.0	96	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.304	-0.7	100	0.00
37		2-Methylnaphthalene	0.724	0.739	-2.1	102	0.00
38		1-Methylnaphthalene	0.705	0.713	-1.1	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.726	-3.7	104	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.267	-9.0	102	0.00
42	S	2,4,6-Tribromophenol	0.291	0.295	-1.4	102	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.462	-3.8	102	0.00
44		2,4,5-Trichlorophenol	0.484	0.499	-3.1	101	0.00
45	S	2-Fluorobiphenyl	1.475	1.523	-3.3	102	0.00
46		1,1'-Biphenyl	1.487	1.523	-2.4	101	0.00
47		2-Chloronaphthalene	1.169	1.192	-2.0	101	0.00

Sample Results: **BM049876.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.270	0.275	-1.9	98	0.00
49		Acenaphthylene	1.702	1.738	-2.1	101	0.00
50		Dimethylphthalate	1.411	1.436	-1.8	101	0.00
51		2,6-Dinitrotoluene	0.296	0.308	-4.1	101	0.00
52	C	Acenaphthene	1.083	1.105	-2.0	101	0.00
53		3-Nitroaniline	0.286	0.303	-5.9	99	0.00
54	P	2,4-Dinitrophenol	0.175	0.186	-6.3	103	0.00
55		Dibenzofuran	1.810	1.845	-1.9	101	0.00
56	P	4-Nitrophenol	0.255	0.263	-3.1	99	0.00
57		2,4-Dinitrotoluene	0.394	0.418	-6.1	101	0.00
58		Fluorene	1.439	1.462	-1.6	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.428	-0.9	101	0.00
60		Diethylphthalate	1.353	1.368	-1.1	100	0.00
61		4-Chlorophenyl-phenylether	0.771	0.783	-1.6	101	0.00
62		4-Nitroaniline	0.295	0.311	-5.4	99	0.00
63		Azobenzene	1.158	1.175	-1.5	99	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	99	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.614	-2.5	101	0.00
67		4-Bromophenyl-phenylether	0.232	0.240	-3.4	102	0.00
68		Hexachlorobenzene	0.266	0.274	-3.0	102	0.00
69		Atrazine	0.155	0.167	-7.7	131	0.00
70	C	Pentachlorophenol	0.196	0.195	0.5	97	0.00
71		Phenanthrene	1.096	1.123	-2.5	101	0.00
72		Anthracene	1.081	1.111	-2.8	100	0.00
73		Carbazole	1.018	1.043	-2.5	100	0.00
74		Di-n-butylphthalate	1.172	1.210	-3.2	101	0.00
75	C	Fluoranthene	1.348	1.368	-1.5	100	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77		Benzidine	0.265	0.458	-72.8#	110	0.00
78		Pyrene	1.378	1.448	-5.1	100	0.00
79	S	Terphenyl-d14	1.067	1.192	-11.7	98	0.00
80		Butylbenzylphthalate	0.518	0.545	-5.2	99	0.00
81		Benzo(a)anthracene	1.329	1.351	-1.7	96	0.00
82		3,3'-Dichlorobenzidine	0.502	0.524	-4.4	97	0.00
83		Chrysene	1.264	1.292	-2.2	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.777	-2.9	96	0.00
85	c	Di-n-octyl phthalate	1.320	1.367	-3.6	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.512	-1.4	99	-0.01
88		Benzo(b)fluoranthene	1.277	1.267	0.8	96	0.00
89		Benzo(k)fluoranthene	1.238	1.241	-0.2	99	0.00
90	C	Benzo(a)pyrene	1.122	1.131	-0.8	99	-0.01
91		Dibenzo(a,h)anthracene	1.228	1.240	-1.0	99	-0.01
92		Benzo(g,h,i)perylene	1.255	1.269	-1.1	99	-0.01

Sample Results: **BM049876.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM049876.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	106	0.00
2		1,4-Dioxane	40.000	39.152	2.1	103	0.00
3		Pyridine	40.000	39.173	2.1	102	0.00
4		n-Nitrosodimethylamine	40.000	39.718	0.7	104	0.00
5	S	2-Fluorophenol	80.000	79.230	1.0	103	0.00
6		Aniline	40.000	40.224	-0.6	101	0.00
7	S	Phenol-d6	80.000	78.466	1.9	102	0.00
8		2-Chlorophenol	40.000	39.377	1.6	103	0.00
9		Benzaldehyde	40.000	36.564	8.6	97	0.00
10	C	Phenol	40.000	39.271	1.8	103	0.00
11		bis(2-Chloroethyl)ether	40.000	39.346	1.6	103	0.00
12		1,3-Dichlorobenzene	40.000	40.069	-0.2	105	0.00
13	C	1,4-Dichlorobenzene	40.000	39.763	0.6	104	0.00
14		1,2-Dichlorobenzene	40.000	39.705	0.7	103	0.00
15		Benzyl Alcohol	40.000	39.248	1.9	100	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.254	1.9	102	0.00
17		2-Methylphenol	40.000	38.907	2.7	102	0.00
18		Hexachloroethane	40.000	39.202	2.0	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.274	1.8	101	0.00
20		3+4-Methylphenols	40.000	38.998	2.5	101	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	40.480	-1.2	100	0.00
23	S	Nitrobenzene-d5	80.000	81.639	-2.0	101	0.00
24		Nitrobenzene	40.000	40.214	-0.5	99	0.00
25		Isophorone	40.000	40.369	-0.9	100	0.00
26	C	2-Nitrophenol	40.000	41.513	-3.8	102	0.00
27		2,4-Dimethylphenol	40.000	41.095	-2.7	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.430	-1.1	101	0.00
29	C	2,4-Dichlorophenol	40.000	40.995	-2.5	102	0.00
30		1,2,4-Trichlorobenzene	40.000	40.999	-2.5	103	0.00
31		Naphthalene	40.000	40.483	-1.2	101	0.00
32		Benzoic acid	40.000	39.630	0.9	108	0.01
33		4-Chloroaniline	40.000	41.035	-2.6	99	0.00
34	C	Hexachlorobutadiene	40.000	41.626	-4.1	105	0.00
35		Caprolactam	40.000	39.026	2.4	96	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.143	-0.4	100	0.00
37		2-Methylnaphthalene	40.000	40.827	-2.1	102	0.00
38		1-Methylnaphthalene	40.000	40.439	-1.1	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.521	-3.8	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.503	-8.8	102	0.00
42	S	2,4,6-Tribromophenol	80.000	81.226	-1.5	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.497	-3.7	102	0.00
44		2,4,5-Trichlorophenol	40.000	41.224	-3.1	101	0.00
45	S	2-Fluorobiphenyl	80.000	82.628	-3.3	102	0.00
46		1,1'-Biphenyl	40.000	40.976	-2.4	101	0.00
47		2-Chloronaphthalene	40.000	40.790	-2.0	101	0.00

Sample Results: **BM049876.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.758	-1.9	98	0.00
49		Acenaphthylene	40.000	40.832	-2.1	101	0.00
50		Dimethylphthalate	40.000	40.701	-1.8	101	0.00
51		2,6-Dinitrotoluene	40.000	41.722	-4.3	101	0.00
52	C	Acenaphthene	40.000	40.841	-2.1	101	0.00
53		3-Nitroaniline	40.000	42.476	-6.2	99	0.00
54	P	2,4-Dinitrophenol	40.000	38.865	2.8	103	0.00
55		Dibenzofuran	40.000	40.776	-1.9	101	0.00
56	P	4-Nitrophenol	40.000	41.354	-3.4	99	0.00
57		2,4-Dinitrotoluene	40.000	42.400	-6.0	101	0.00
58		Fluorene	40.000	40.657	-1.6	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.341	-0.9	101	0.00
60		Diethylphthalate	40.000	40.430	-1.1	100	0.00
61		4-Chlorophenyl-phenylether	40.000	40.582	-1.5	101	0.00
62		4-Nitroaniline	40.000	42.047	-5.1	99	0.00
63		Azobenzene	40.000	40.588	-1.5	99	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.870	-2.2	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.061	-2.7	101	0.00
67		4-Bromophenyl-phenylether	40.000	41.305	-3.3	102	0.00
68		Hexachlorobenzene	40.000	41.127	-2.8	102	0.00
69		Atrazine	40.000	43.022	-7.6	131	0.00
70	C	Pentachlorophenol	40.000	39.707	0.7	97	0.00
71		Phenanthrene	40.000	40.981	-2.5	101	0.00
72		Anthracene	40.000	41.121	-2.8	100	0.00
73		Carbazole	40.000	41.001	-2.5	100	0.00
74		Di-n-butylphthalate	40.000	41.281	-3.2	101	0.00
75	C	Fluoranthene	40.000	40.587	-1.5	100	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77		Benzidine	40.000	68.977	-72.4#	110	0.00
78		Pyrene	40.000	42.024	-5.1	100	0.00
79	S	Terphenyl-d14	80.000	89.384	-11.7	98	0.00
80		Butylbenzylphthalate	40.000	42.088	-5.2	99	0.00
81		Benzo(a)anthracene	40.000	40.656	-1.6	96	0.00
82		3,3'-Dichlorobenzidine	40.000	41.777	-4.4	97	0.00
83		Chrysene	40.000	40.889	-2.2	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.206	-3.0	96	0.00
85	c	Di-n-octyl phthalate	40.000	41.414	-3.5	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.573	-1.4	99	-0.01
88		Benzo(b)fluoranthene	40.000	39.676	0.8	96	0.00
89		Benzo(k)fluoranthene	40.000	40.108	-0.3	99	0.00
90	C	Benzo(a)pyrene	40.000	40.305	-0.8	99	-0.01
91		Dibenzo(a,h)anthracene	40.000	40.376	-0.9	99	-0.01
92		Benzo(g,h,i)perylene	40.000	40.455	-1.1	99	-0.01

Sample Results: **BM049876.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BM049944.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date/Time: 04/16/2025 09:28

Lab File ID: BM049944.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.130		-4.1	
Benzaldehyde	0.752	1.425		89.5	
Phenol-d6	1.465	1.430		-2.4	
Phenol	1.430	1.390		-2.8	20.0
bis(2-Chloroethyl)ether	1.121	1.132		1.0	
2-Chlorophenol	1.207	1.170		-3.1	
2-Methylphenol	0.881	0.869		-1.4	
2,2-oxybis(1-Chloropropane)	1.250	1.250		0.0	
Acetophenone	0.486	0.466		-4.1	
3+4-Methylphenols	1.201	1.188		-1.1	
n-Nitroso-di-n-propylamine	0.812	0.823	0.050	1.4	
Nitrobenzene-d5	0.359	0.349		-2.8	
Hexachloroethane	0.500	0.476		-4.8	
Nitrobenzene	0.346	0.333		-3.8	
Isophorone	0.602	0.598		-0.7	
2-Nitrophenol	0.183	0.184		0.5	20.0
2,4-Dimethylphenol	0.208	0.207		-0.5	
bis(2-Chloroethoxy)methane	0.403	0.396		-1.7	
2,4-Dichlorophenol	0.345	0.338		-2.0	20.0
Naphthalene	1.028	0.990		-3.7	
4-Chloroaniline	0.363	0.343		-5.5	
Hexachlorobutadiene	0.247	0.242		-2.0	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.302	0.302		0.0	20.0
2-Methylnaphthalene	0.724	0.714		-1.4	
Hexachlorocyclopentadiene	0.245	0.207	0.050	-15.5	
2,4,6-Trichlorophenol	0.445	0.441		-0.9	20.0
2-Fluorobiphenyl	1.475	1.434		-2.8	
2,4,5-Trichlorophenol	0.484	0.481		-0.6	
1,1-Biphenyl	1.487	1.435		-3.5	
2-Chloronaphthalene	1.169	1.113		-4.8	
2-Nitroaniline	0.270	0.275		1.9	
Dimethylphthalate	1.411	1.396		-1.1	
Acenaphthylene	1.702	1.657		-2.6	
2,6-Dinitrotoluene	0.296	0.304		2.7	
3-Nitroaniline	0.286	0.287		0.3	
Acenaphthene	1.083	1.048		-3.2	20.0
2,4-Dinitrophenol	0.175	0.173	0.050	-1.1	
4-Nitrophenol	0.255	0.247	0.050	-3.1	

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: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_M Calibration Date/Time: 04/16/2025 09:28

Lab File ID: BM049944.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.810	1.768		-2.3	
2,4-Dinitrotoluene	0.394	0.416		5.6	
Diethylphthalate	1.353	1.343		-0.7	
4-Chlorophenyl-phenylether	0.771	0.772		0.1	
Fluorene	1.439	1.410		-2.0	
4-Nitroaniline	0.295	0.296		0.3	
4,6-Dinitro-2-methylphenol	0.126	0.121		-4.0	
n-Nitrosodiphenylamine	0.599	0.573		-4.3	20.0
2,4,6-Tribromophenol	0.291	0.301		3.4	
4-Bromophenyl-phenylether	0.232	0.231		-0.4	
Hexachlorobenzene	0.266	0.264		-0.8	
Atrazine	0.155	0.191		23.2	
Pentachlorophenol	0.196	0.179		-8.7	20.0
Phenanthrene	1.096	1.053		-3.9	
Anthracene	1.081	1.050		-2.9	
Carbazole	1.018	0.972		-4.5	
Di-n-butylphthalate	1.172	1.152		-1.7	
Fluoranthene	1.348	1.334		-1.0	20.0
Pyrene	1.378	1.390		0.9	
Terphenyl-d14	1.067	1.150		7.8	
Butylbenzylphthalate	0.518	0.514		-0.8	
3,3-Dichlorobenzidine	0.502	0.446		-11.2	
Benzo(a)anthracene	1.329	1.294		-2.6	
Chrysene	1.264	1.209		-4.4	
Bis(2-ethylhexyl)phthalate	0.755	0.731		-3.2	
Di-n-octyl phthalate	1.320	1.247		-5.5	20.0
Benzo(b)fluoranthene	1.277	1.237		-3.1	
Benzo(k)fluoranthene	1.238	1.213		-2.0	
Benzo(a)pyrene	1.122	1.079		-3.8	20.0
Indeno(1,2,3-cd)pyrene	1.491	1.332		-10.7	
Dibenzo(a,h)anthracene	1.228	1.092		-11.1	
Benzo(g,h,i)perylene	1.255	1.086		-13.5	
1,2,4,5-Tetrachlorobenzene	0.700	0.678		-3.1	
1,4-Dioxane	0.485	0.447		-7.8	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.416		-1.9	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BM049944.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/17/2025
Supervised By :Jagrut Upadhyay

04/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	390253	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1356602	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	881748	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1791608	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1770465	20.000	ng	0.00
86) Perylene-d12	24.409	264	1819920	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1763622	76.739	ng	0.00
7) Phenol-d6	6.951	99	2232469	78.075	ng	0.00
23) Nitrobenzene-d5	8.928	82	1892016	77.663	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1060612	82.697	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	5056597	77.764	ng	-0.01
79) Terphenyl-d14	19.786	244	8146988	86.236	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	348813	36.854	ng	99
3) Pyridine	3.663	79	934989	37.599	ng	99
4) n-Nitrosodimethylamine	3.569	42	369099	39.002	ng	99
6) Aniline	7.098	93	920227	37.558	ng	98
8) 2-Chlorophenol	7.340	128	913252	38.776	ng	98
9) Benzaldehyde	6.910	77	1112076	75.788	ng	100
10) Phenol	6.981	94	1084996	38.884	ng	99
11) bis(2-Chloroethyl)ether	7.198	93	883156	40.360	ng	99
12) 1,3-Dichlorobenzene	7.663	146	1063719	38.201	ng	99
13) 1,4-Dichlorobenzene	7.804	146	1069880	38.185	ng	99
14) 1,2-Dichlorobenzene	8.122	146	1012555	38.369	ng	99
15) Benzyl Alcohol	8.016	79	703469	39.069	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.298	45	975629	40.002	ng	99
17) 2-Methylphenol	8.222	107	678504	39.458	ng	100
18) Hexachloroethane	8.851	117	371444	38.106	ng	96
19) n-Nitroso-di-n-propyla...	8.581	70	642121	40.546	ng	98
20) 3+4-Methylphenols	8.551	107	927119	39.547	ng	99
22) Acetophenone	8.592	105	1264535	38.355	ng	98
24) Nitrobenzene	8.969	77	902946	38.492	ng	98
25) Isophorone	9.498	82	1622366	39.753	ng	99
26) 2-Nitrophenol	9.681	139	500064	40.220	ng	99
27) 2,4-Dimethylphenol	9.751	122	561537	39.852	ng	99
28) bis(2-Chloroethoxy)met...	9.975	93	1074197	39.316	ng	99
29) 2,4-Dichlorophenol	10.228	162	915755	39.098	ng	98
30) 1,2,4-Trichlorobenzene	10.434	180	1042406	38.471	ng	99
31) Naphthalene	10.616	128	2685367	38.523	ng	99
32) Benzoic acid	9.904	122	603488m	36.945	ng	
33) 4-Chloroaniline	10.728	127	930880	37.818	ng	98
34) Hexachlorobutadiene	10.904	225	655515	39.111	ng	99
35) Caprolactam	11.522	113	261960	38.995	ng	97
36) 4-Chloro-3-methylphenol	11.869	107	820695	40.002	ng	100
37) 2-Methylnaphthalene	12.233	142	1936228	39.424	ng	99
38) 1-Methylnaphthalene	12.451	142	1882556	39.345	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1196479	38.787	ng	99
41) Hexachlorocyclopentadiene	12.580	237	365596	33.823	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	778403	39.655	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/17/2025

Supervised By :Jagrut Upadhyay

04/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	848241	39.765	ng	99
46) 1,1'-Biphenyl	13.245	154	2529956	38.598	ng	100
47) 2-Chloronaphthalene	13.292	162	1962548	38.094	ng	98
48) 2-Nitroaniline	13.492	65	484897	40.684	ng	95
49) Acenaphthylene	14.139	152	2922215	38.940	ng	99
50) Dimethylphthalate	13.874	163	2462065	39.579	ng	99
51) 2,6-Dinitrotoluene	13.992	165	536706	41.181	ng	98
52) Acenaphthene	14.480	154	1848519	38.725	ng	99
53) 3-Nitroaniline	14.322	138	505526	40.132	ng	96
54) 2,4-Dinitrophenol	14.539	184	304541	36.577	ng	97
55) Dibenzofuran	14.816	168	3118731	39.083	ng	99
56) 4-Nitrophenol	14.663	139	434912	38.745	ng	98
57) 2,4-Dinitrotoluene	14.786	165	733206	42.170	ng	95
58) Fluorene	15.463	166	2486724	39.204	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	733155	39.214	ng	97
60) Diethylphthalate	15.239	149	2367777	39.691	ng	98
61) 4-Chlorophenyl-phenyle...	15.457	204	1361867	40.047	ng	99
62) 4-Nitroaniline	15.486	138	521444	40.029	ng	98
63) Azobenzene	15.751	77	1997832	39.117	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	434604	38.495	ng	97
66) n-Nitrosodiphenylamine	15.674	169	2052165	38.275	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	827207	39.773	ng	97
68) Hexachlorobenzene	16.474	284	946778	39.686	ng	99
69) Atrazine	16.627	200	685798	49.332	ng	98
70) Pentachlorophenol	16.821	266	642624	36.589	ng	99
71) Phenanthrene	17.204	178	3772633	38.409	ng	100
72) Anthracene	17.292	178	3763190	38.877	ng	99
73) Carbazole	17.568	167	3481817	38.190	ng	99
74) Di-n-butylphthalate	18.127	149	4128736	39.317	ng	100
75) Fluoranthene	19.221	202	4780191	39.581	ng	99
77) Benzidine	19.409	184	684877	29.159	ng	99
78) Pyrene	19.586	202	4920548	40.327	ng	99
80) Butylbenzylphthalate	20.480	149	1820063	39.697	ng	99
81) Benzo(a)anthracene	21.386	228	4581472	38.937	ng	99
82) 3,3'-Dichlorobenzidine	21.309	252	1579114	35.538	ng	100
83) Chrysene	21.450	228	4279987	38.260	ng	99
84) Bis(2-ethylhexyl)phtha...	21.303	149	2588841	38.755	ng	99
85) Di-n-octyl phthalate	22.439	149	4416157	37.790	ng	100
87) Indeno(1,2,3-cd)pyrene	27.809	276	4847172	35.731	ng	99
88) Benzo(b)fluoranthene	23.462	252	4502801	38.740	ng	99
89) Benzo(k)fluoranthene	23.527	252	4416499	39.210	ng	100
90) Benzo(a)pyrene	24.274	252	3928643	38.465	ng	99
91) Dibenzo(a,h)anthracene	27.862	278	3974656	35.570	ng	100
92) Benzo(g,h,i)perylene	28.868	276	3954003	34.628	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

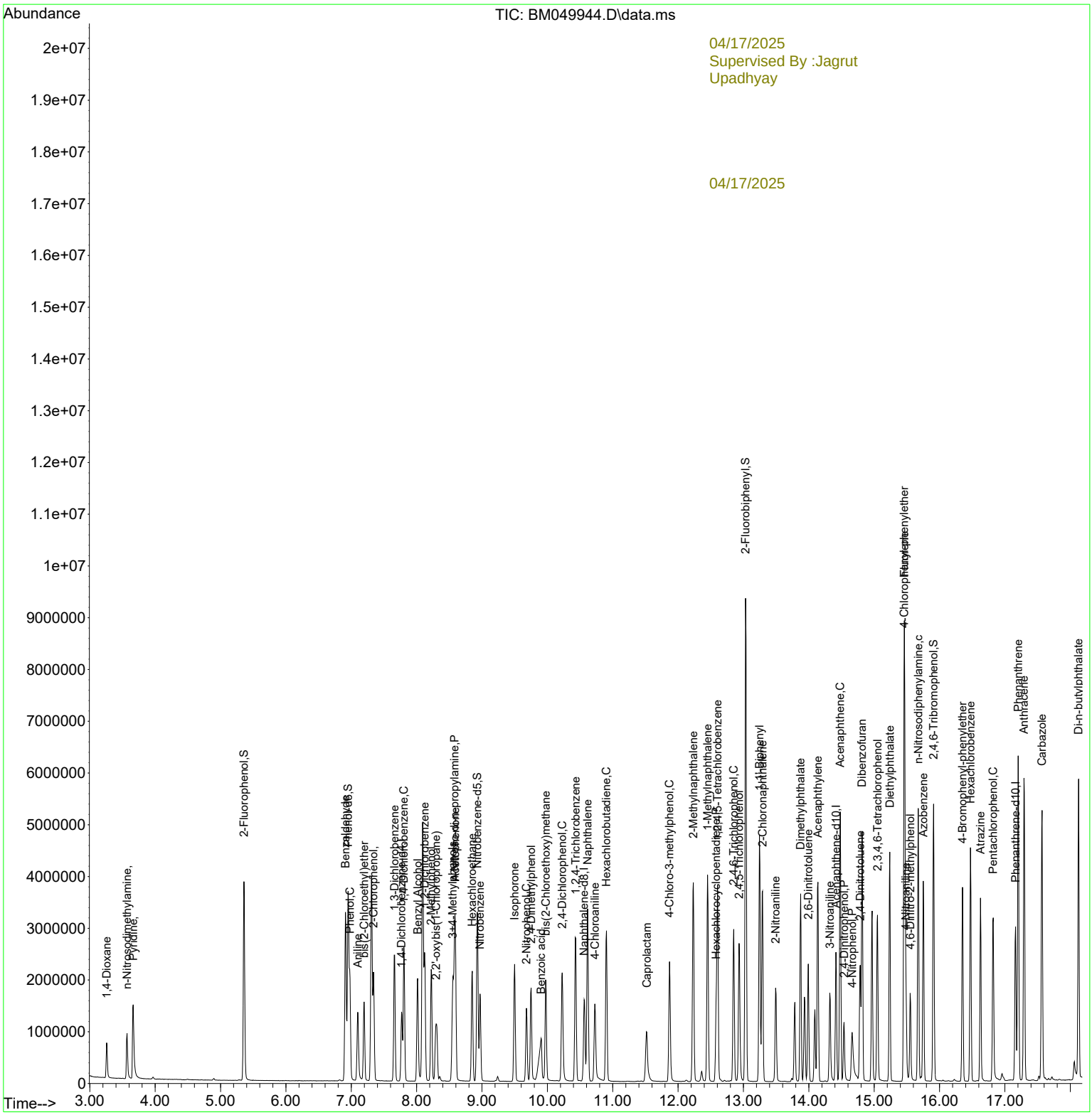
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/17/2025
Supervised By :Jagrut Upadhyay

04/17/2025



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Data File : BM049944.D
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Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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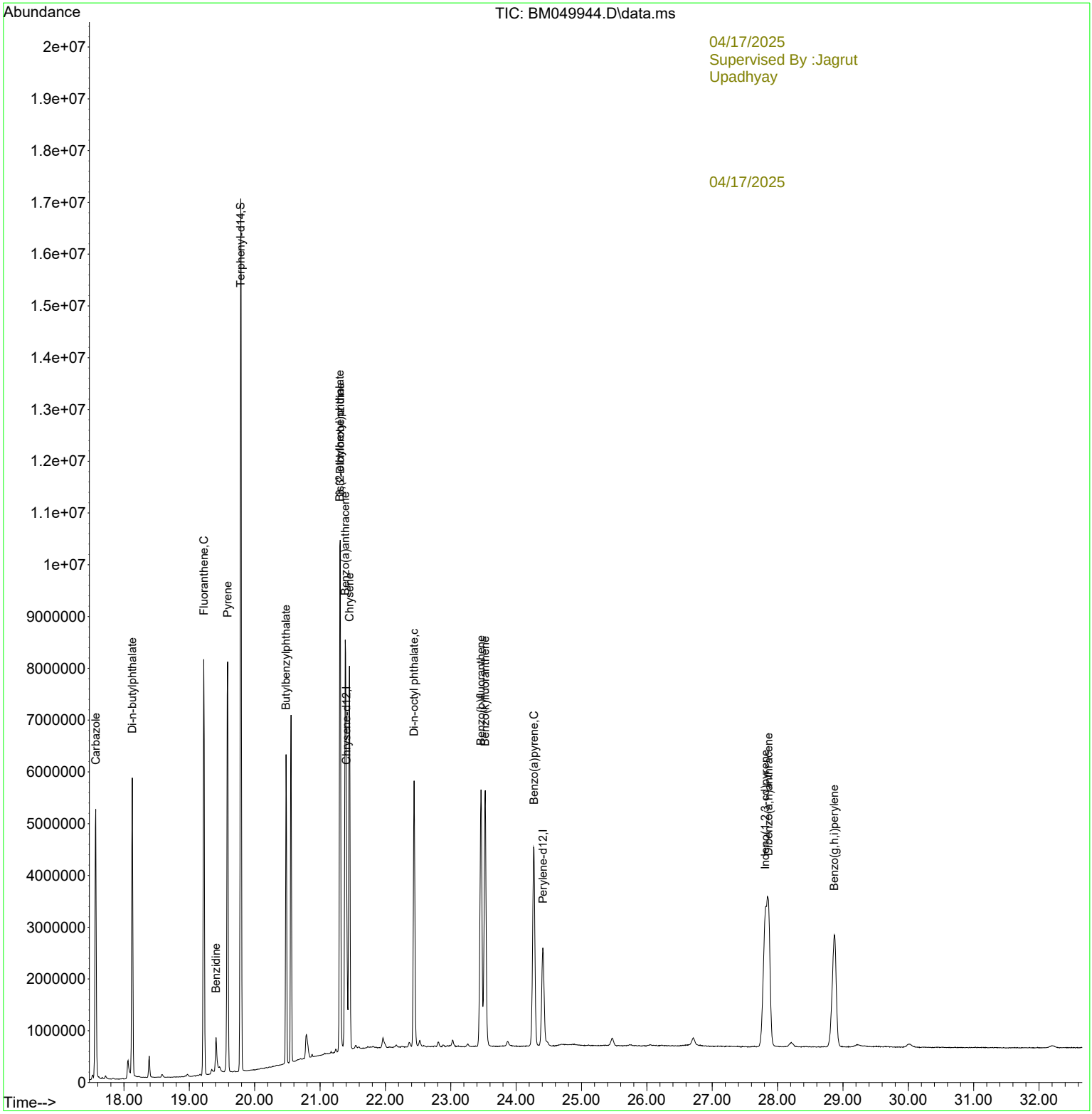
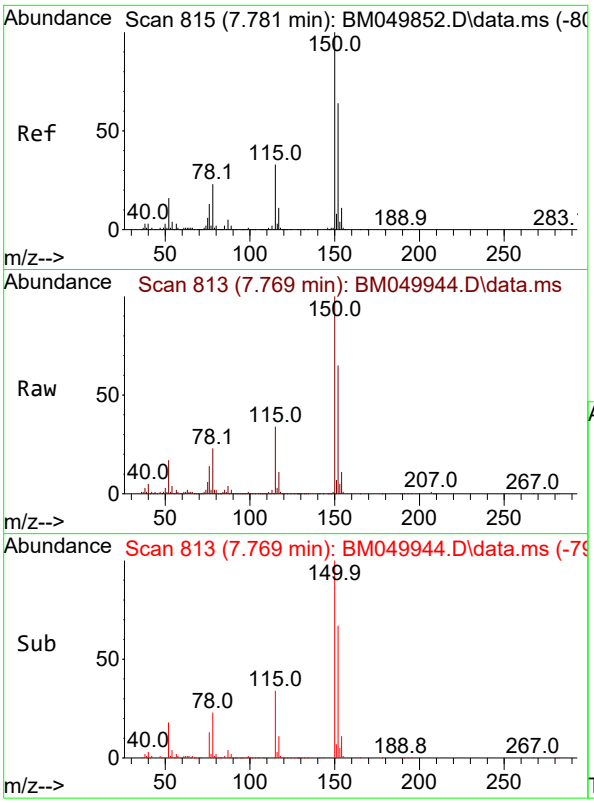
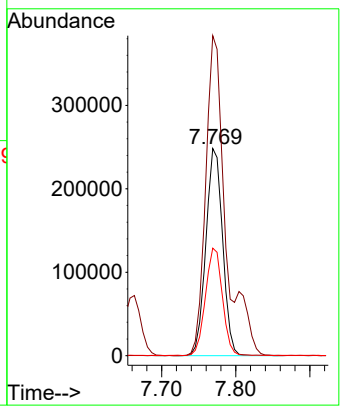




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:152 Resp: 39025

Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.3	186.5
115	51.9	41.1	61.7



Instrument :
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ClientSampleId :
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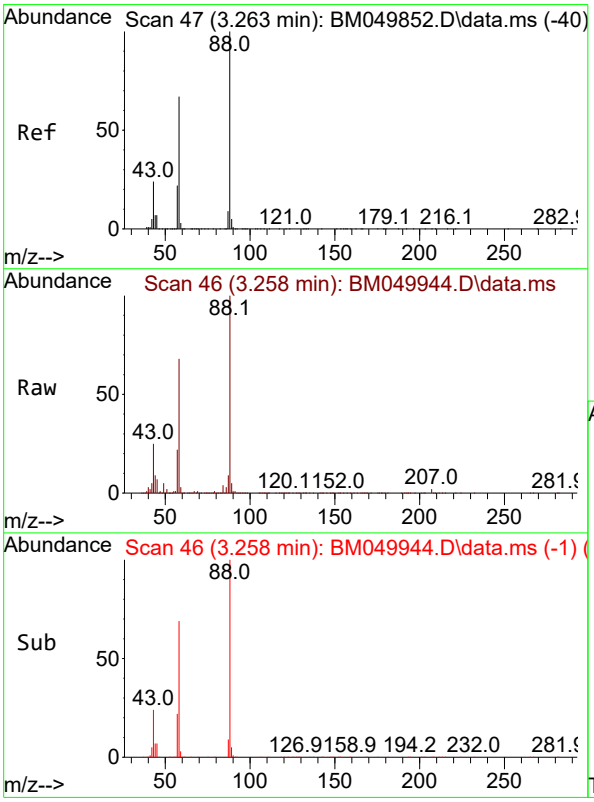
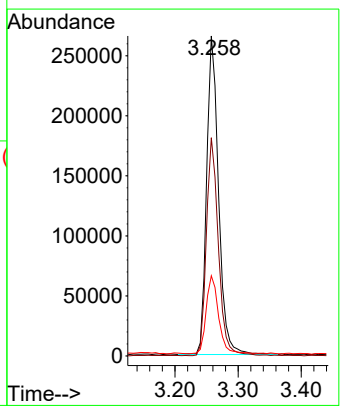
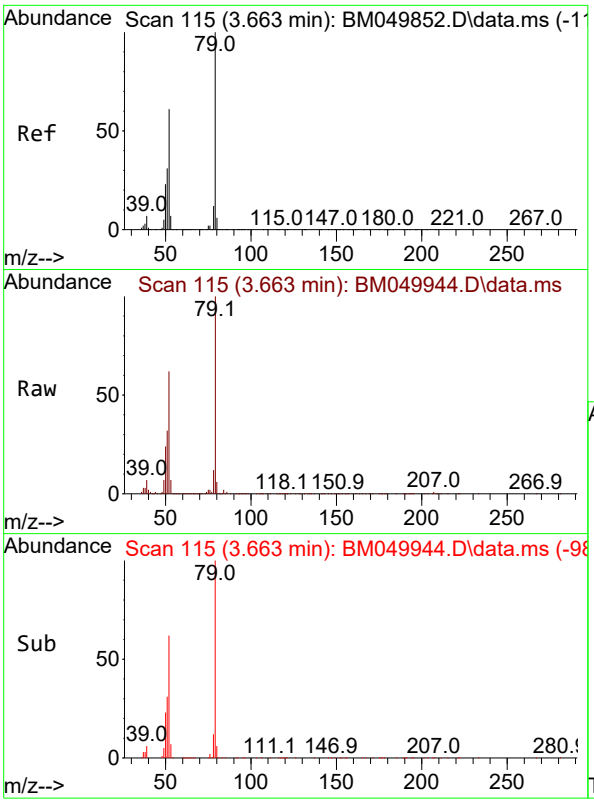


#2
1,4-Dioxane
Concen: 36.854 ng
RT: 3.258 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 88 Resp: 348813

Ion	Ratio	Lower	Upper
88	100		
58	68.4	54.1	81.1
43	25.5	20.2	30.4

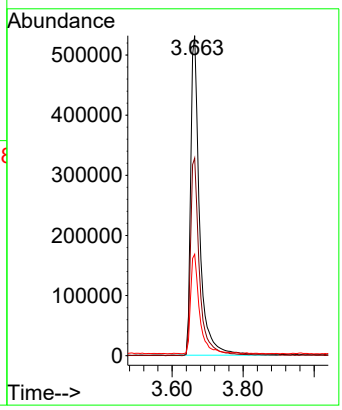




#3
Pyridine
Concen: 37.599 ng
RT: 3.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 79 Resp: 93498

Ion	Ratio	Lower	Upper
79	100		
52	61.8	48.9	73.3
51	31.7	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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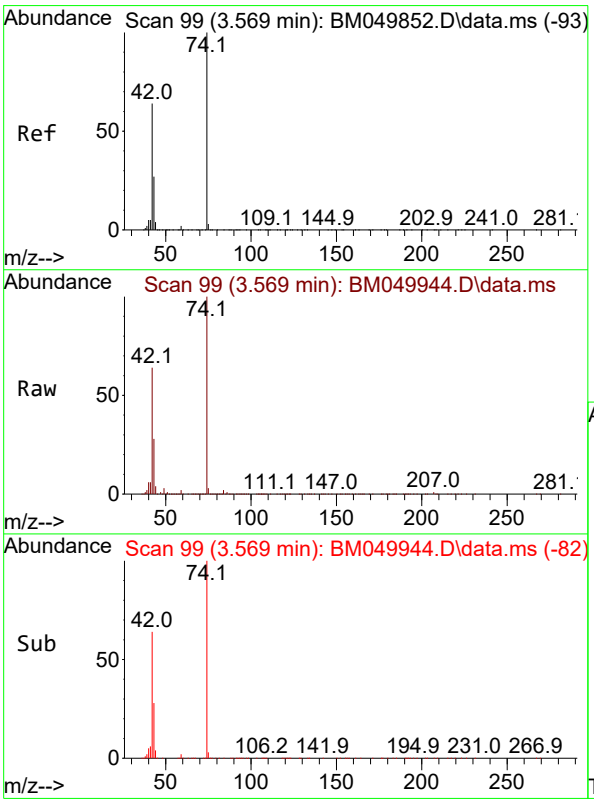
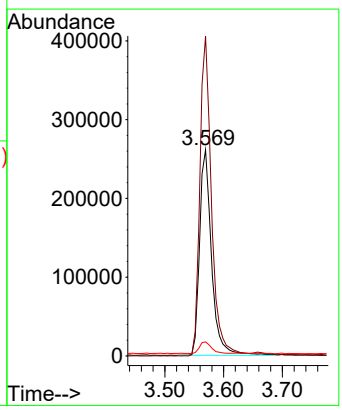
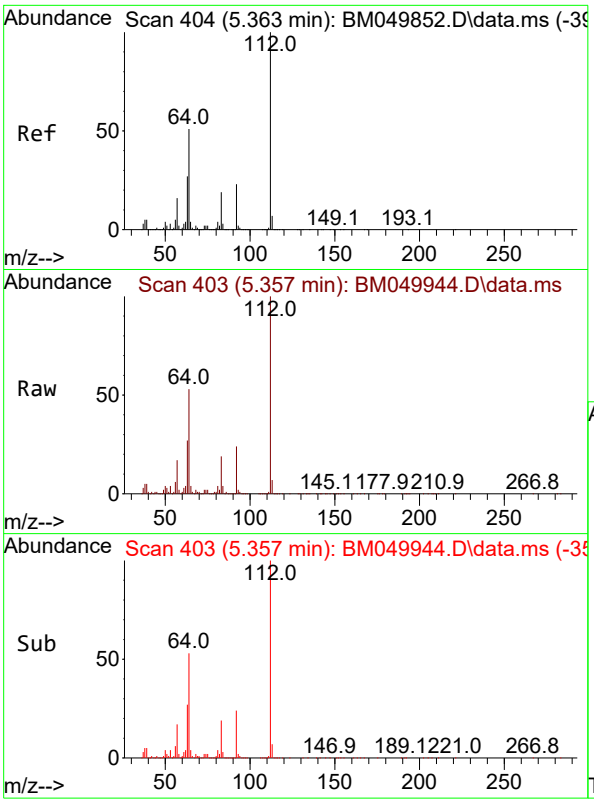


#4
n-Nitrosodimethylamine
Concen: 39.002 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 42 Resp: 369099

Ion	Ratio	Lower	Upper
42	100		
74	155.1	125.4	188.2
44	6.8	5.9	8.9

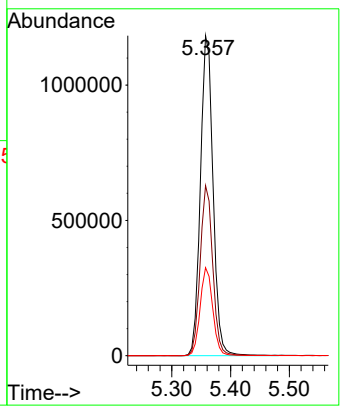




#5
2-Fluorophenol
Concen: 76.739 ng
RT: 5.357 min Scan# 4(
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:112 Resp: 176362

Ion	Ratio	Lower	Upper
112	100		
64	53.1	41.0	61.6
63	27.5	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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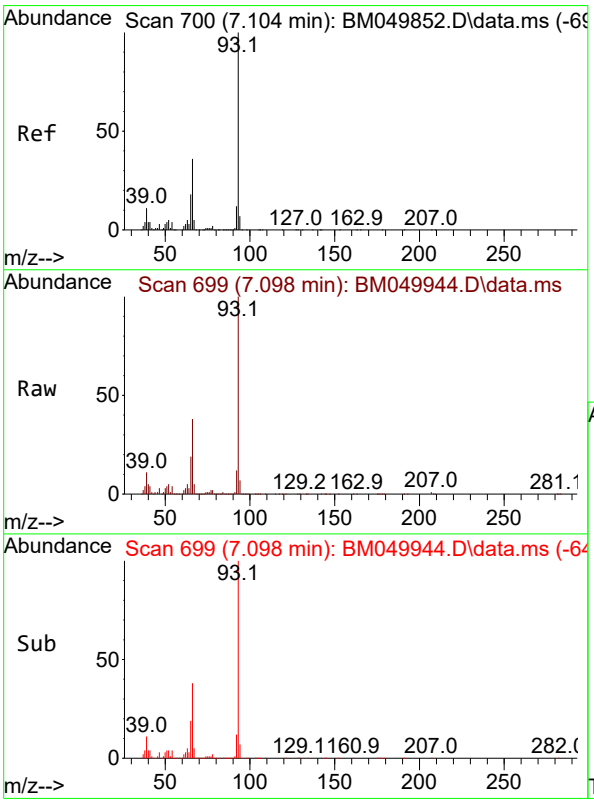
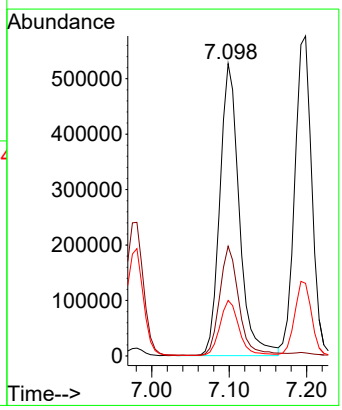
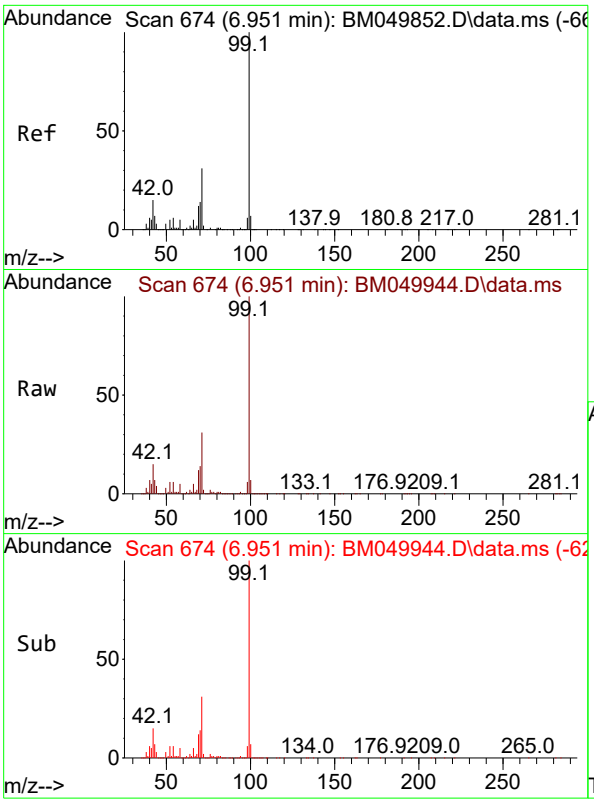


#6
Aniline
Concen: 37.558 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 93 Resp: 920227

Ion	Ratio	Lower	Upper
93	100		
66	37.6	29.1	43.7
65	19.0	14.9	22.3

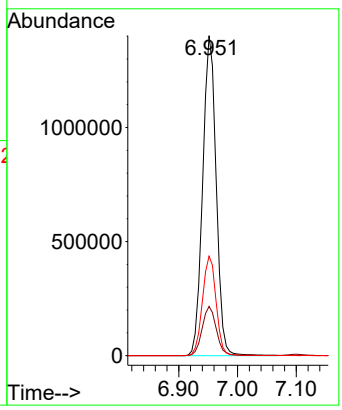




#7
Phenol-d6
Concen: 78.075 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 99 Resp: 223246

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.1	18.1
71	31.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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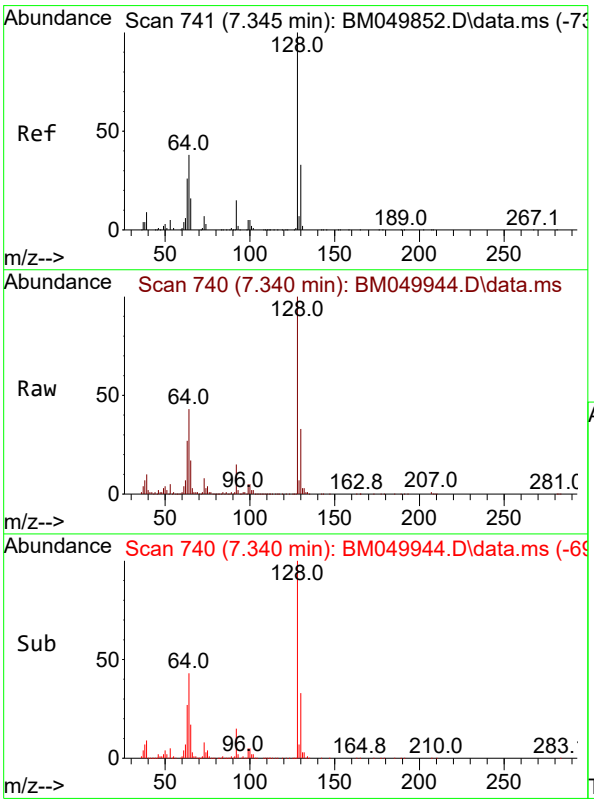
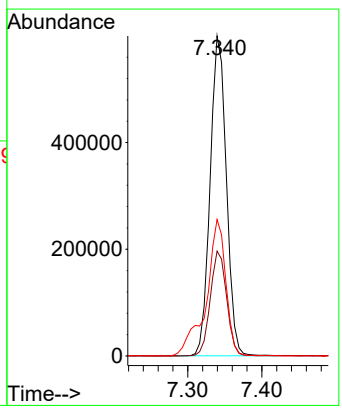
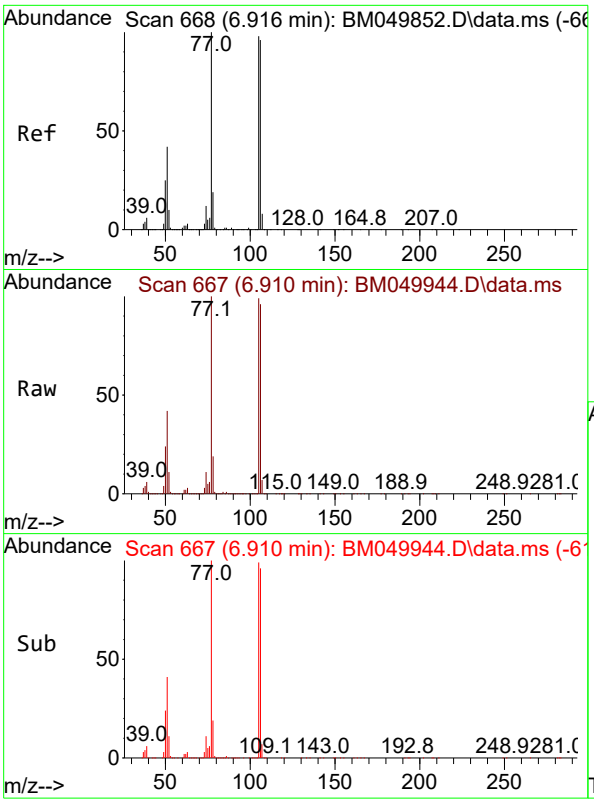


#8
2-Chlorophenol
Concen: 38.776 ng
RT: 7.340 min Scan# 740
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:128 Resp: 913252

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	42.7	21.1	61.1





#9
Benzaldehyde
Concen: 75.788 ng
RT: 6.910 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 77 Resp: 111207(

Ion	Ratio	Lower	Upper
77	100		
105	98.8	78.3	118.3
106	96.1	76.0	116.0

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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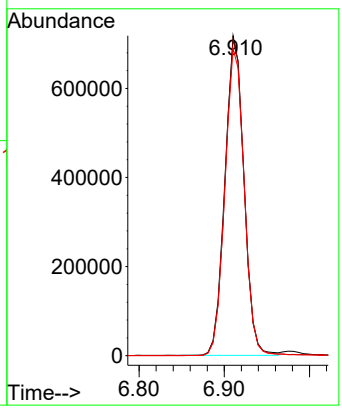

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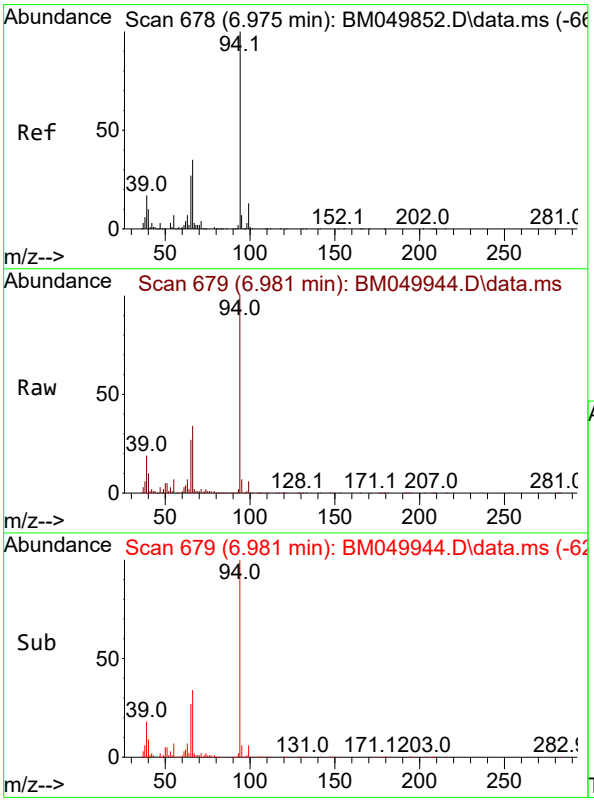
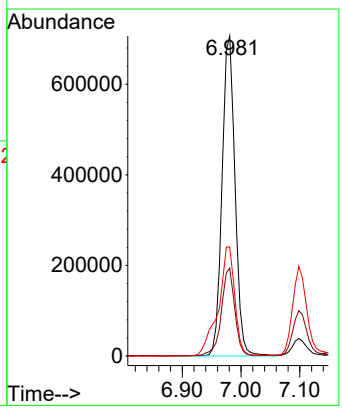
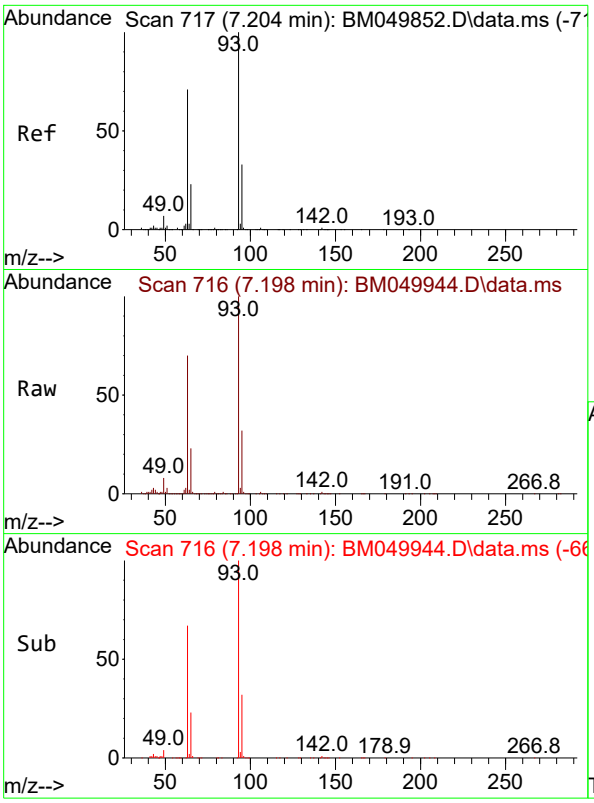


#10
Phenol
Concen: 38.884 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 94 Resp: 1084996

Ion	Ratio	Lower	Upper
94	100		
65	27.4	7.3	47.3
66	34.1	14.8	54.8

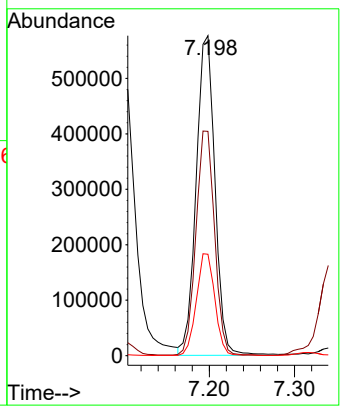




#11
bis(2-Chloroethyl)ether
Concen: 40.360 ng
RT: 7.198 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 93 Resp: 88315

Ion	Ratio	Lower	Upper
93	100		
63	70.1	50.9	90.9
95	31.7	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
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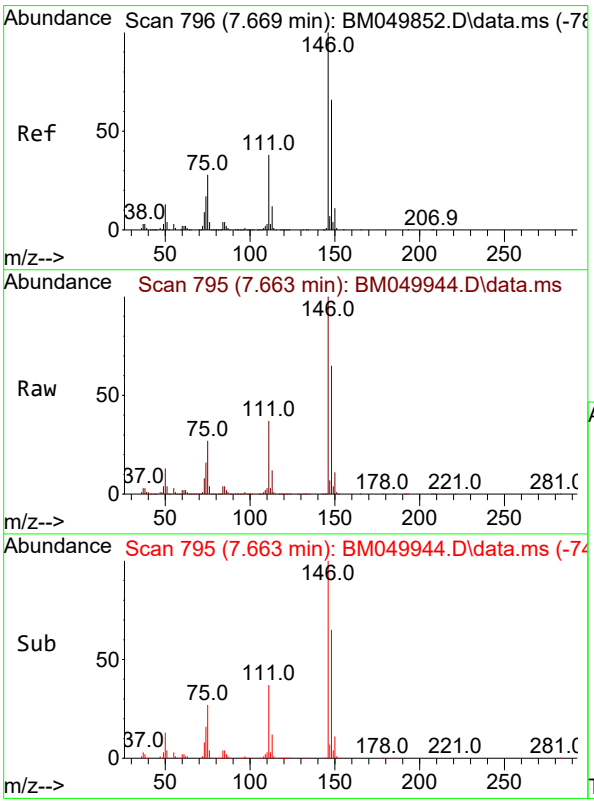
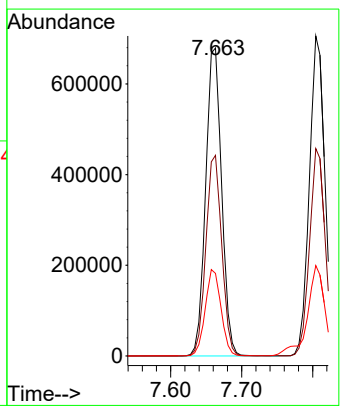
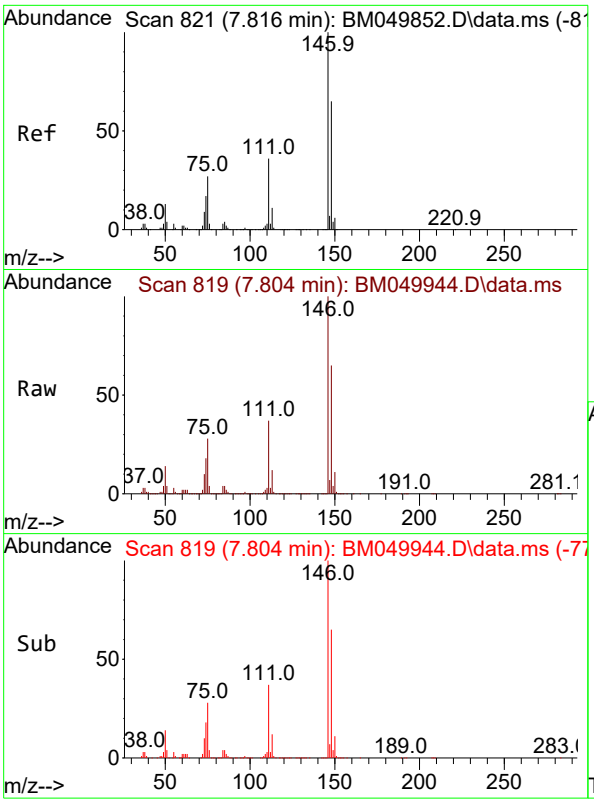


#12
1,3-Dichlorobenzene
Concen: 38.201 ng
RT: 7.663 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:146 Resp: 1063719

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.5	78.7
75	26.8	22.5	33.7

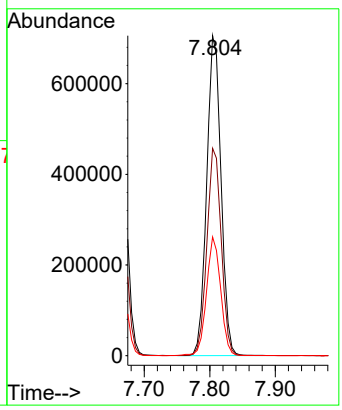




#13
1,4-Dichlorobenzene
Concen: 38.185 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:146 Resp: 106988

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.4	78.6
111	37.1	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
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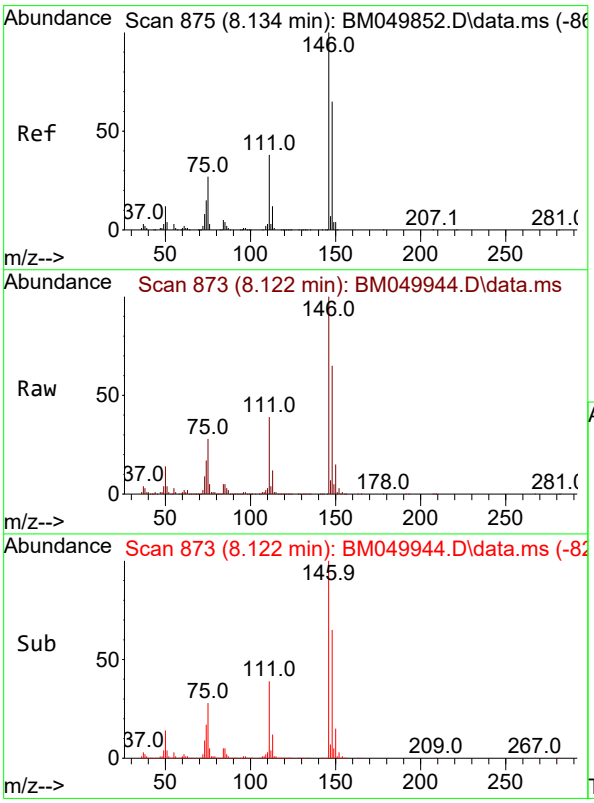
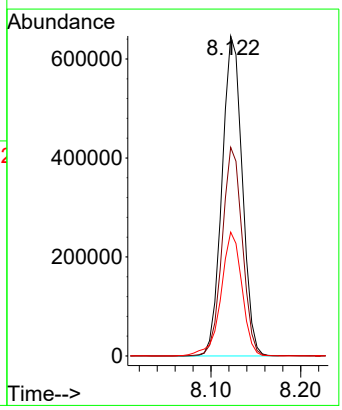
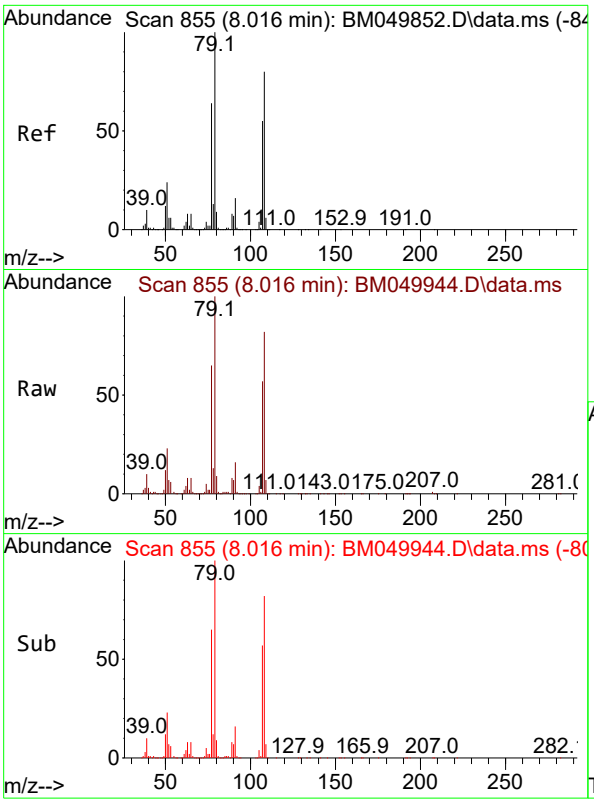


#14
1,2-Dichlorobenzene
Concen: 38.369 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:146 Resp: 1012555

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.8
111	38.7	30.2	45.4





#15
Benzyl Alcohol
Concen: 39.069 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 79 Resp: 70346

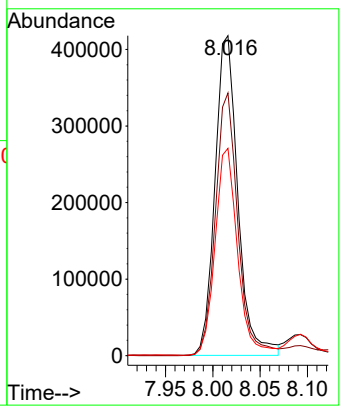
Ion	Ratio	Lower	Upper
79	100		
108	82.1	63.6	95.4
77	64.8	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/17/2025



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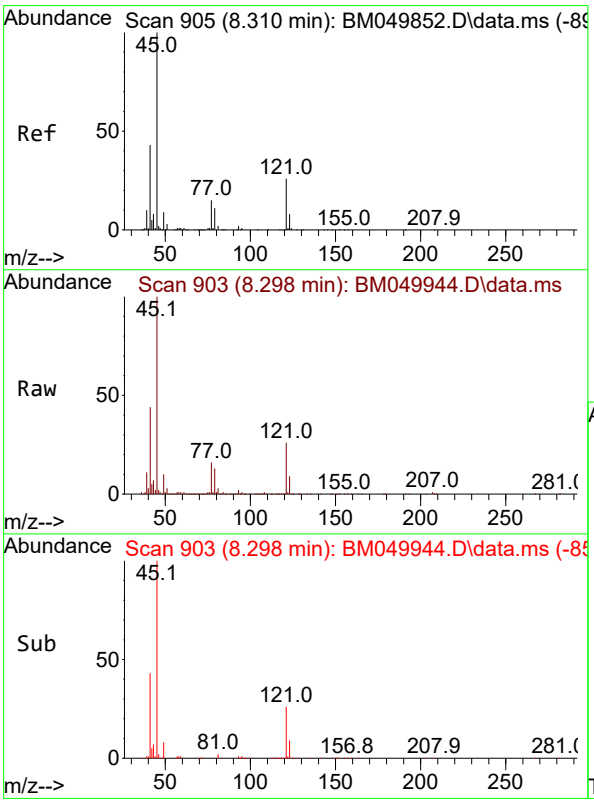
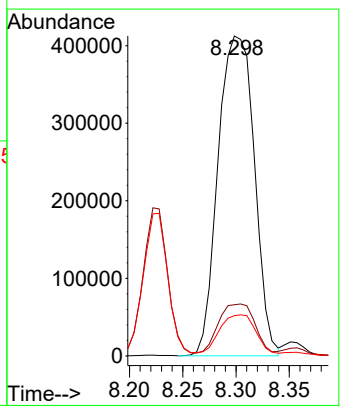
04/17/2025

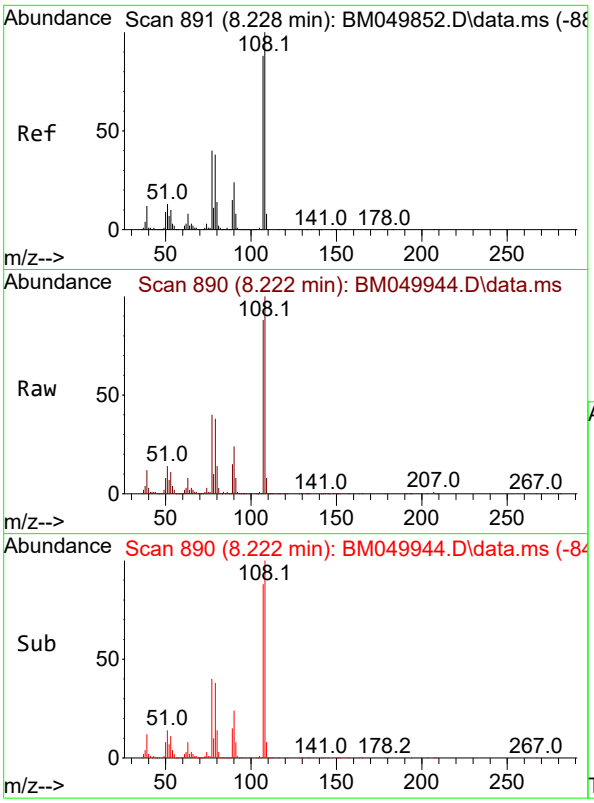


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.002 ng
RT: 8.298 min Scan# 903
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 45 Resp: 975629

Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.0	36.9
79	12.6	0.0	32.9

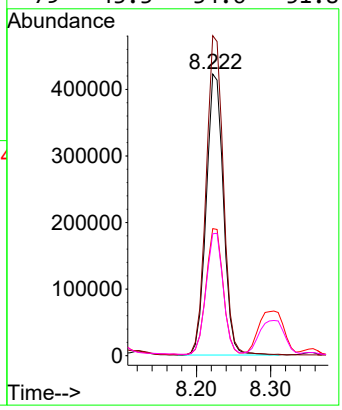




#17
2-Methylphenol
Concen: 39.458 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:107 Resp: 67850

Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.0	136.6
77	45.1	36.5	54.7
79	43.3	34.6	51.8



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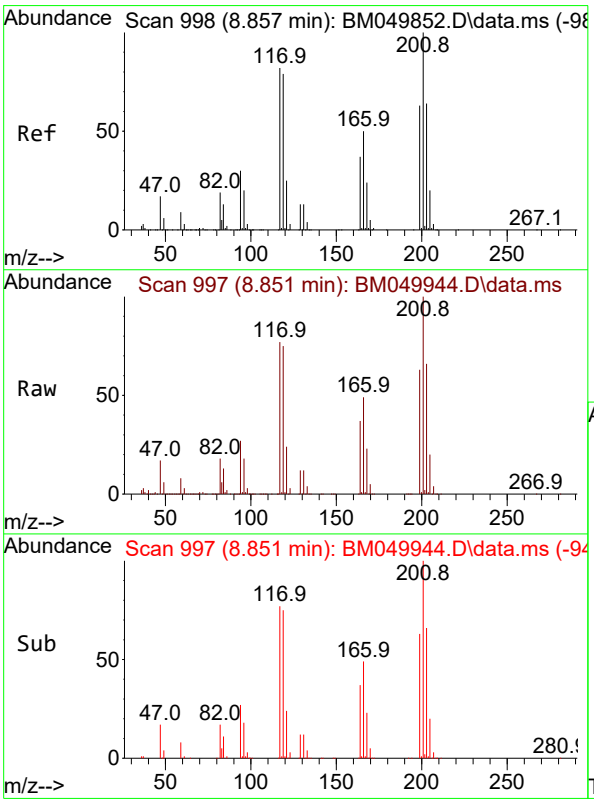
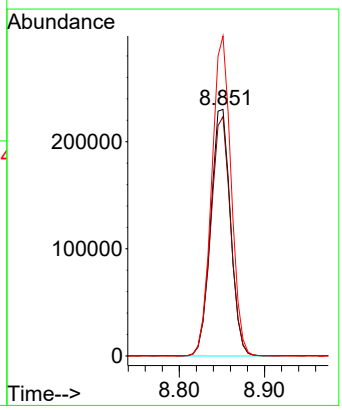
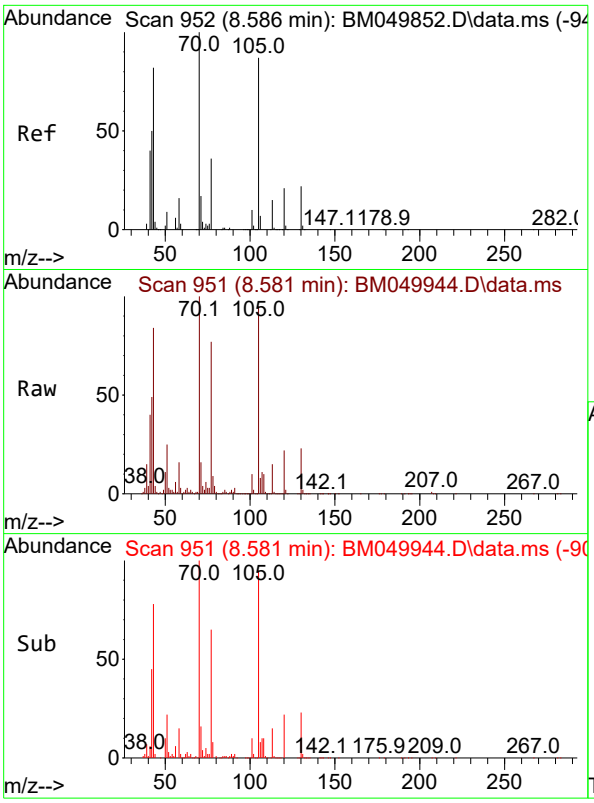


#18
Hexachloroethane
Concen: 38.106 ng
RT: 8.851 min Scan# 997
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:117 Resp: 371444

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	129.8	97.7	146.5

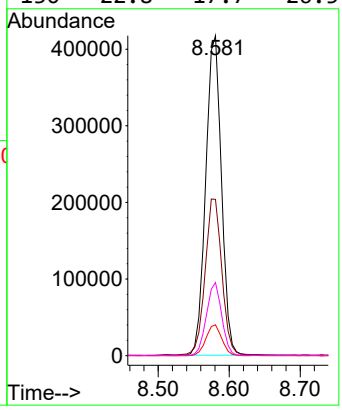




#19
n-Nitroso-di-n-propylamine
Concen: 40.546 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 70 Resp: 64212

Ion	Ratio	Lower	Upper
70	100		
42	48.8	40.2	60.2
101	9.7	7.9	11.9
130	22.8	17.7	26.5



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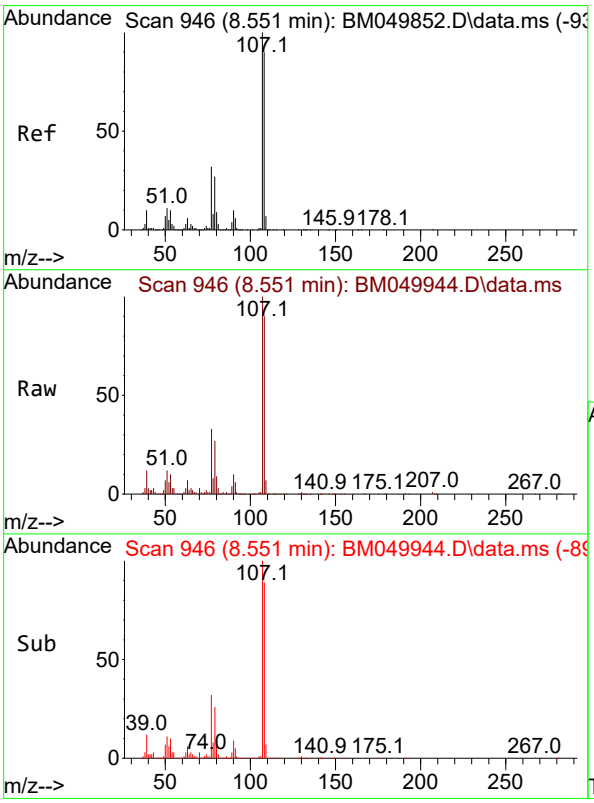
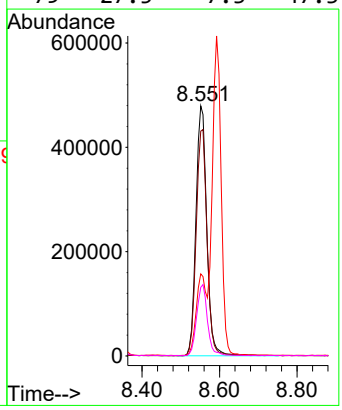
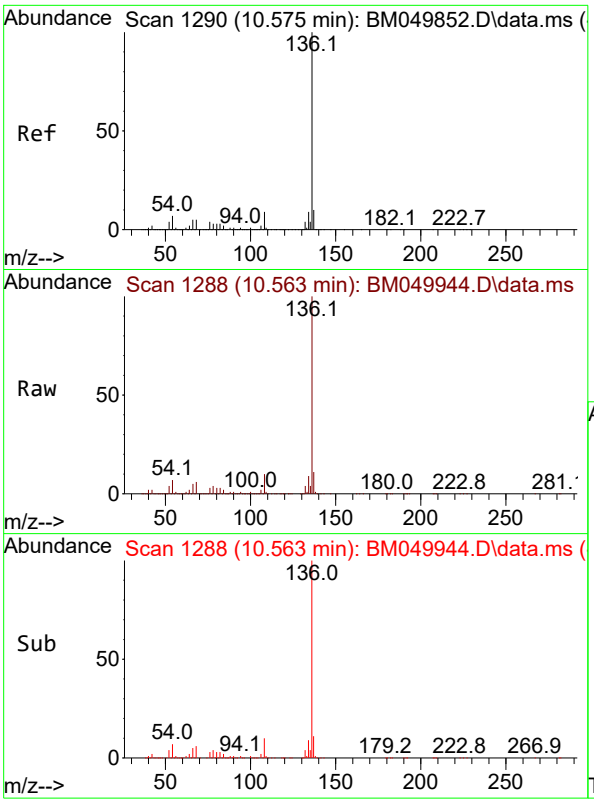


#20
3+4-Methylphenols
Concen: 39.547 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:107 Resp: 927119

Ion	Ratio	Lower	Upper
107	100		
108	89.9	69.6	109.6
77	32.8	11.7	51.7
79	27.5	7.3	47.3

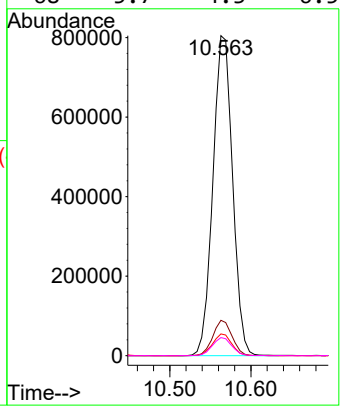




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:136 Resp: 135660

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.8	5.3	7.9
68	5.7	4.3	6.5



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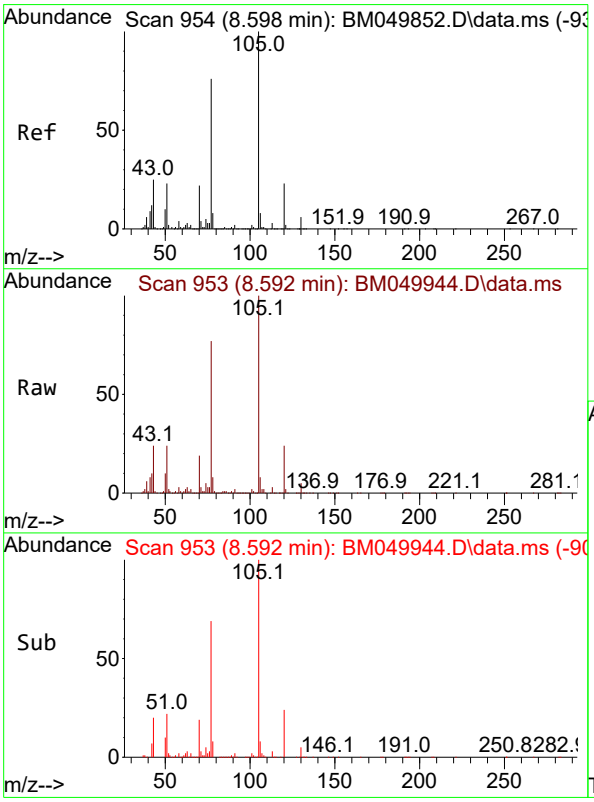
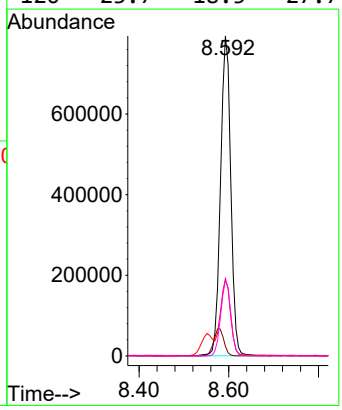
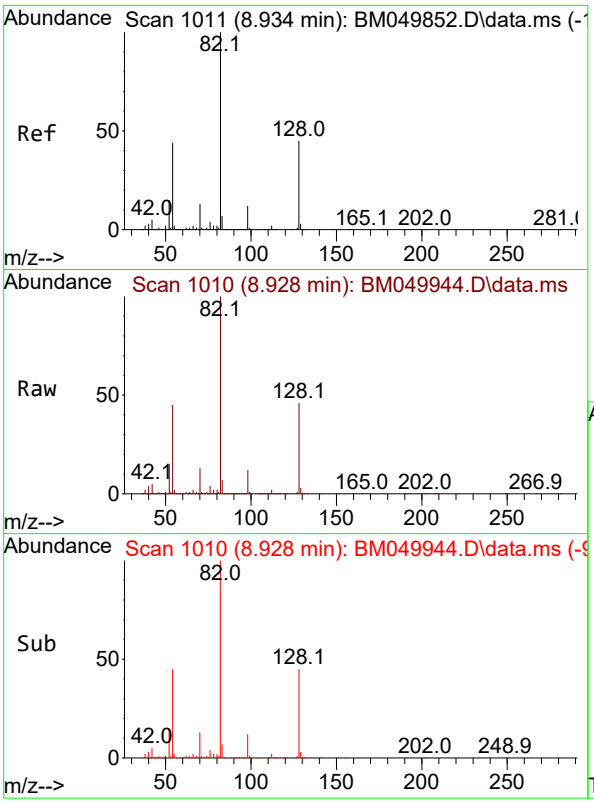


#22
Acetophenone
Concen: 38.355 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:105 Resp: 1264535

Ion	Ratio	Lower	Upper
105	100		
71	3.1	3.0	4.4
51	24.1	18.6	27.8
120	23.7	18.5	27.7

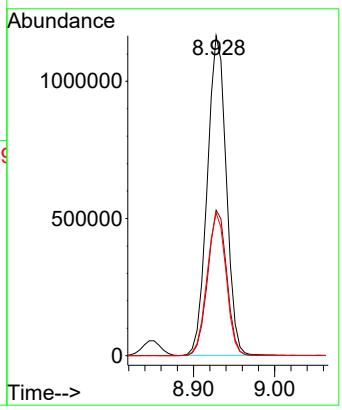




#23
Nitrobenzene-d5
Concen: 77.663 ng
RT: 8.928 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 82 Resp: 189201(

Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.2	54.2
54	44.6	35.0	52.6



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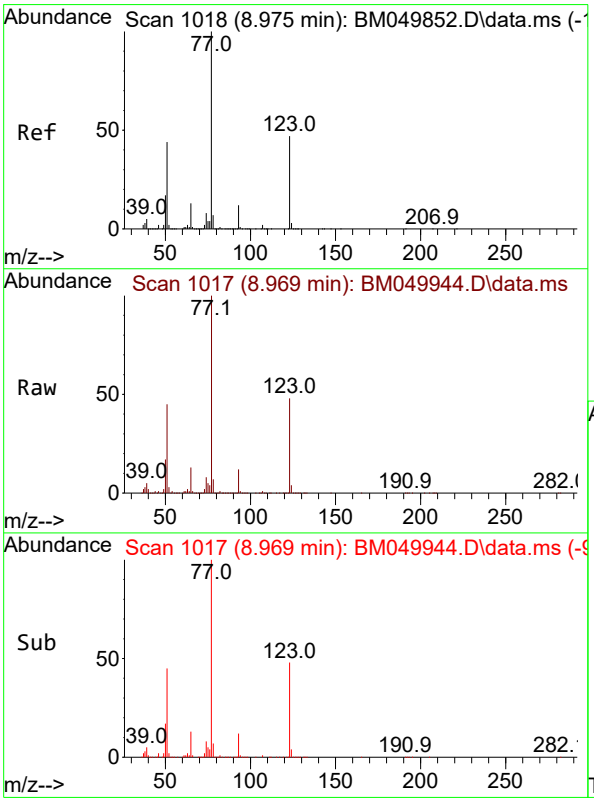
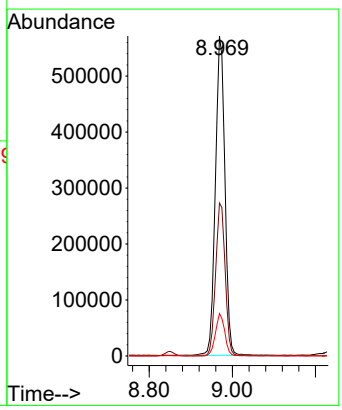
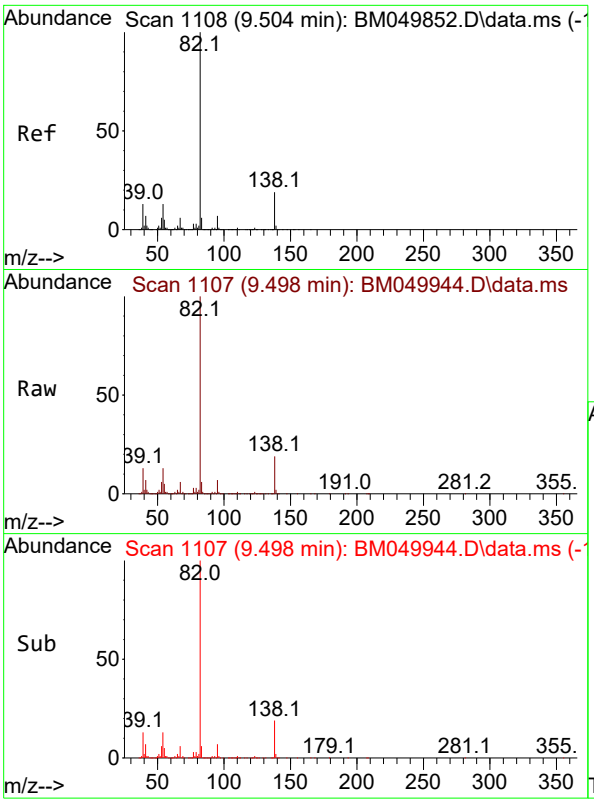


#24
Nitrobenzene
Concen: 38.492 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 77 Resp: 902946

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.4	56.2
65	13.2	10.1	15.1

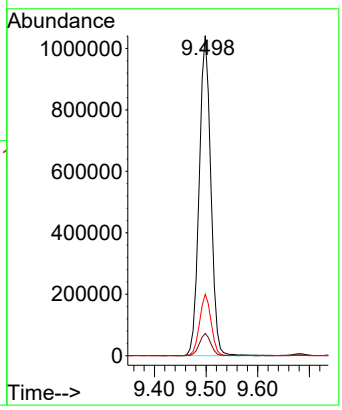




#25
Isophorone
Concen: 39.753 ng
RT: 9.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 82 Resp: 162236

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	19.2	15.0	22.6



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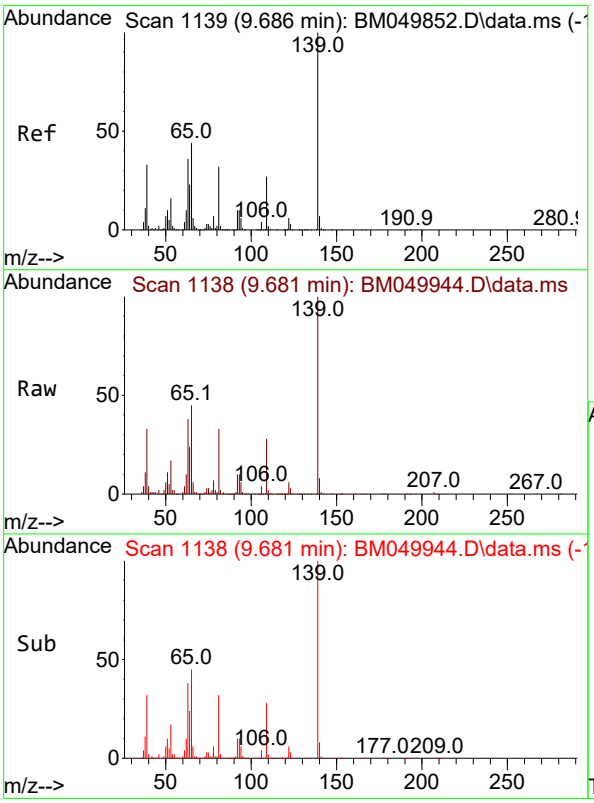
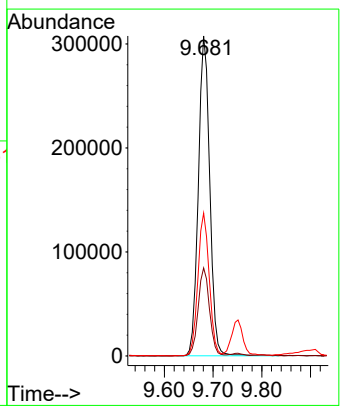
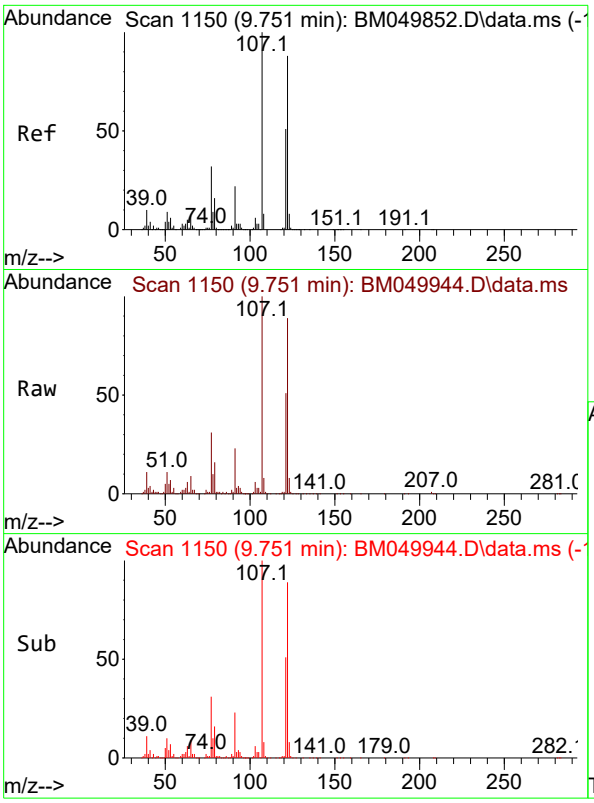


#26
2-Nitrophenol
Concen: 40.220 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:139 Resp: 500064

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.7	32.5
65	44.7	35.2	52.8





#27
2,4-Dimethylphenol
Concen: 39.852 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:122 Resp: 56153

Ion	Ratio	Lower	Upper
122	100		
107	112.1	90.3	135.5
121	57.7	46.1	69.1

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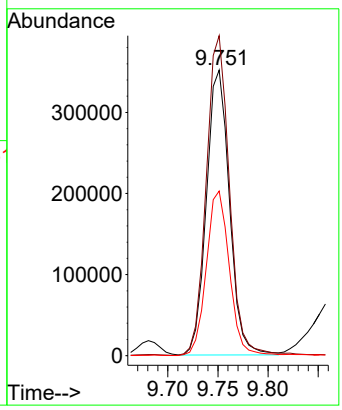

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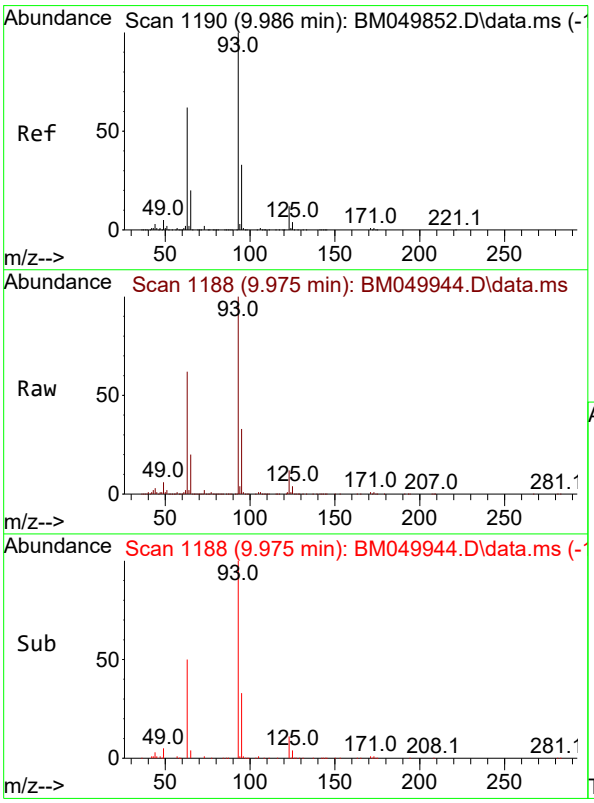
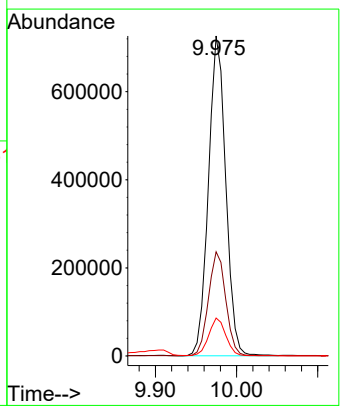
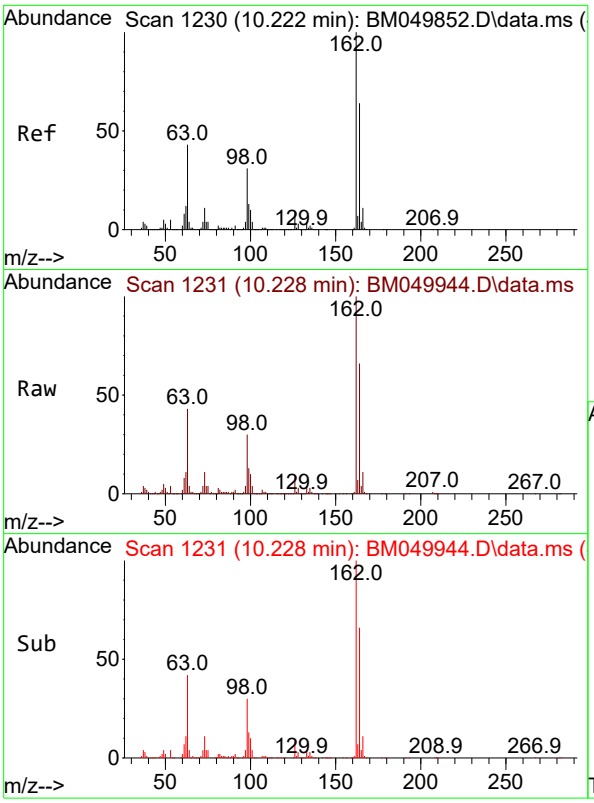


#28
bis(2-Chloroethoxy)methane
Concen: 39.316 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 93 Resp: 1074197

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	11.8	9.5	14.3

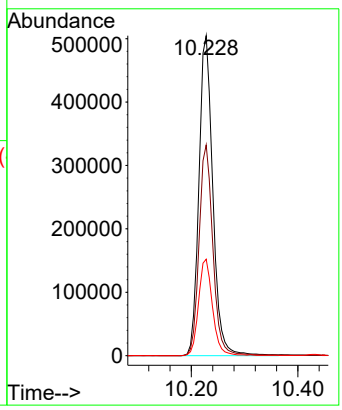




#29
2,4-Dichlorophenol
Concen: 39.098 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:162 Resp: 91575

Ion	Ratio	Lower	Upper
162	100		
164	65.9	44.3	84.3
98	30.2	10.9	50.9



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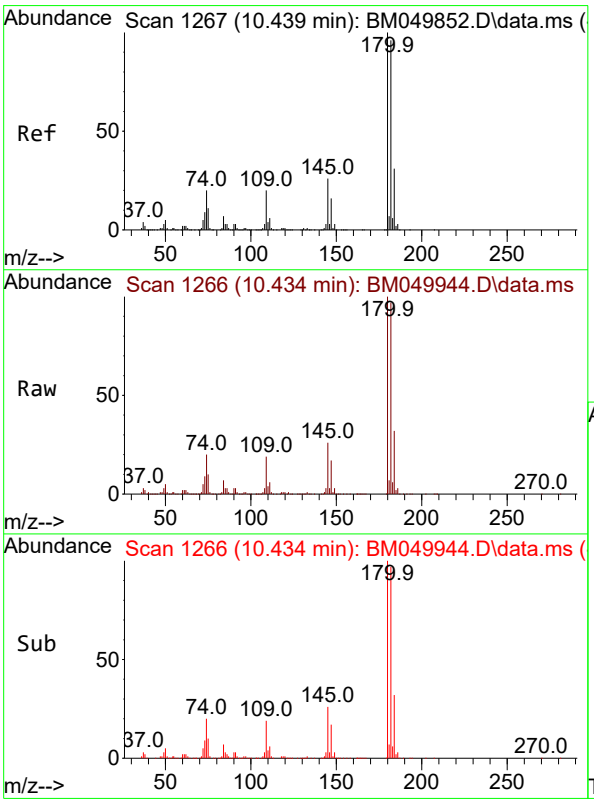
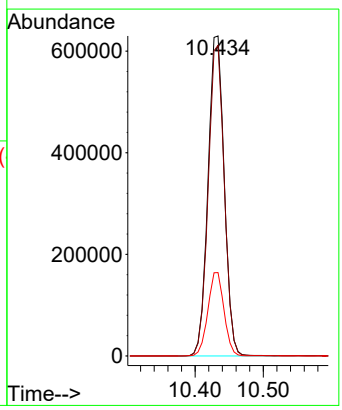
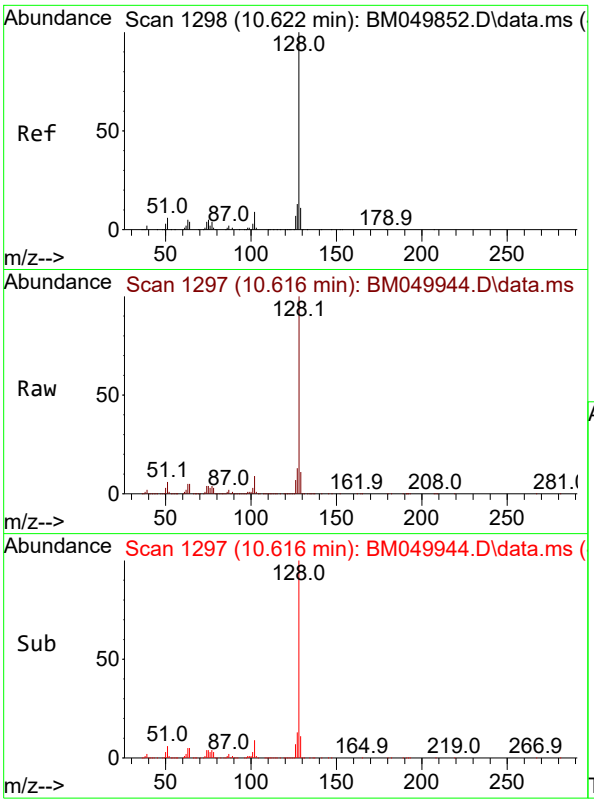


#30
1,2,4-Trichlorobenzene
Concen: 38.471 ng
RT: 10.434 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:180 Resp: 1042406

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	26.1	20.8	31.2

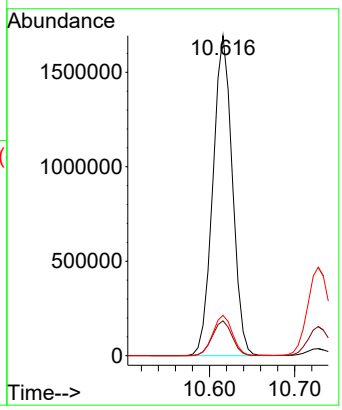




#31
Naphthalene
Concen: 38.523 ng
RT: 10.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:128 Resp: 268536

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.6	15.8



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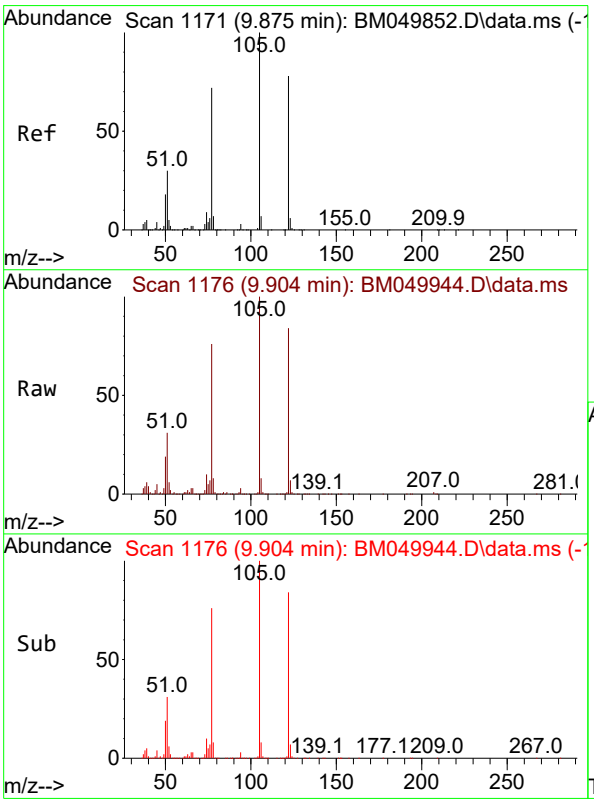
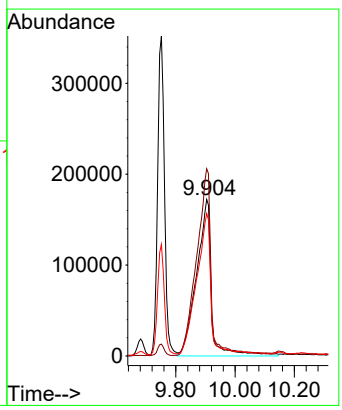
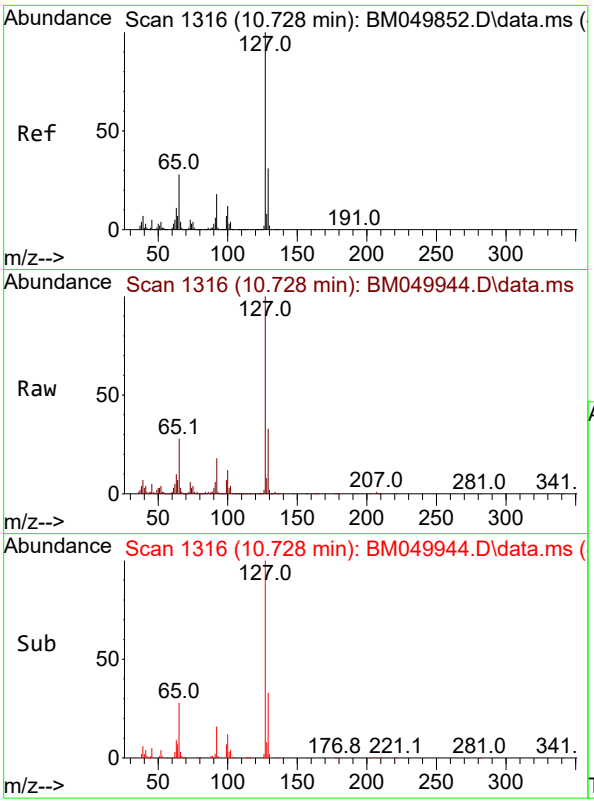


#32
Benzoic acid
Concen: 36.945 ng m
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:122 Resp: 603488

Ion	Ratio	Lower	Upper
122	100		
105	119.6	103.8	143.8
77	91.0	70.7	110.7

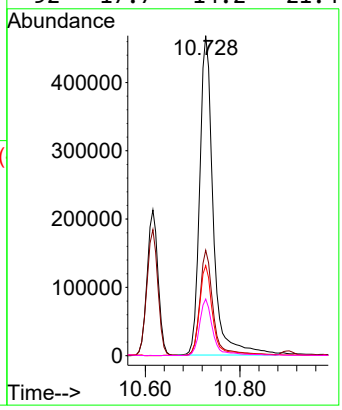




#33
4-Chloroaniline
Concen: 37.818 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:127 Resp: 93088

Ion	Ratio	Lower	Upper
127	100		
129	32.9	24.9	37.3
65	28.1	22.4	33.6
92	17.7	14.2	21.4



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ClientSampleId :
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04/17/2025

Supervised By :Jagrut Upadhyay

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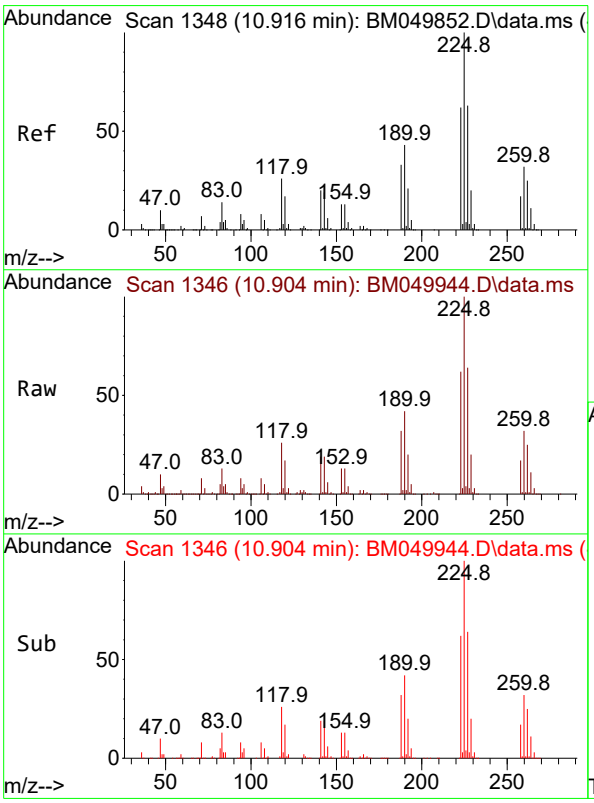
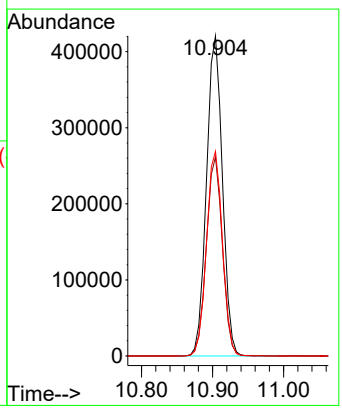
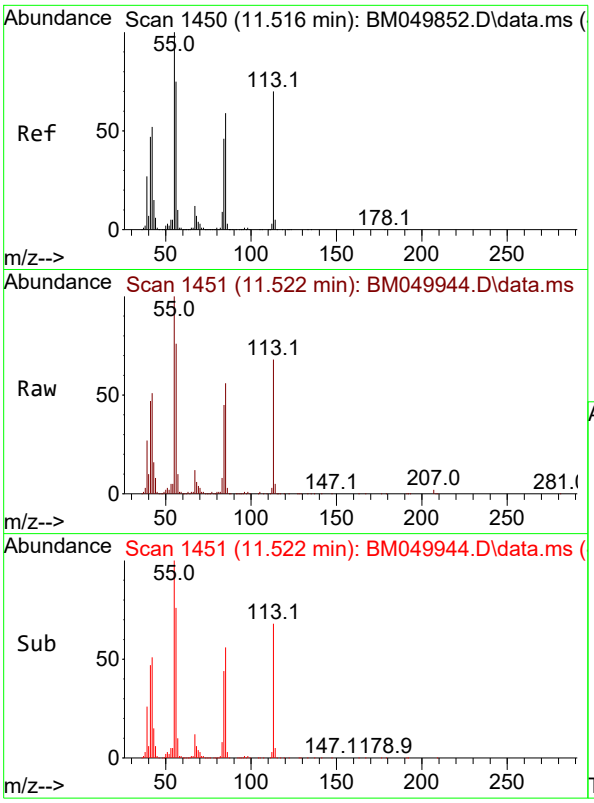


#34
Hexachlorobutadiene
Concen: 39.111 ng
RT: 10.904 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:225 Resp: 655515

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.4	74.2
227	63.9	50.1	75.1





#35
Caprolactam
Concen: 38.995 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:113 Resp: 26196

Ion	Ratio	Lower	Upper
113	100		
55	147.2	124.3	164.3
56	111.3	87.5	127.5

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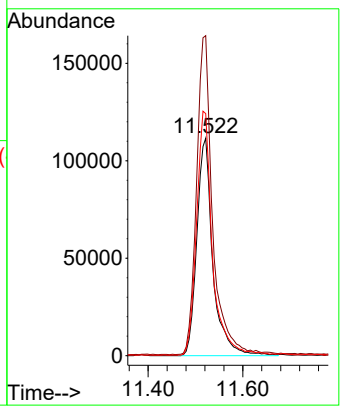

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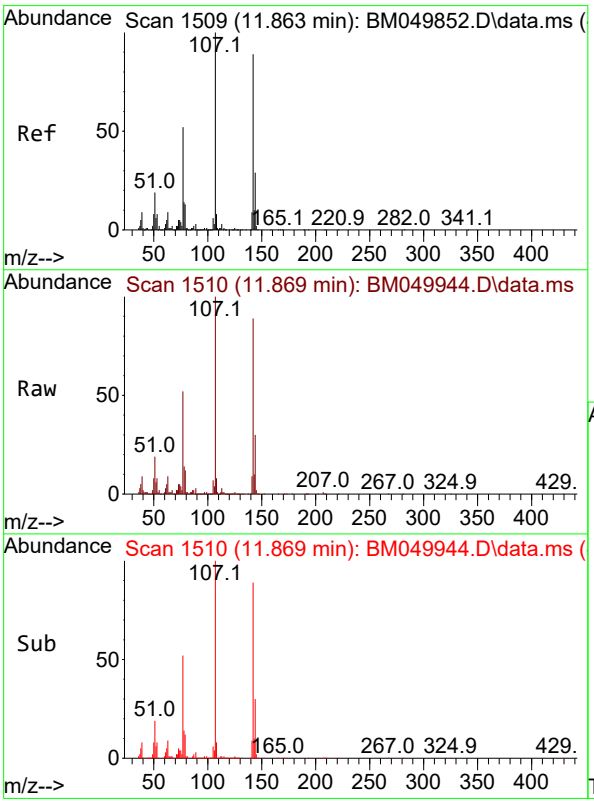
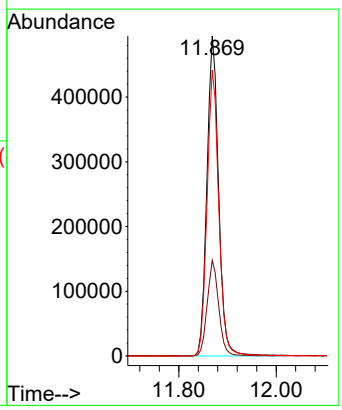
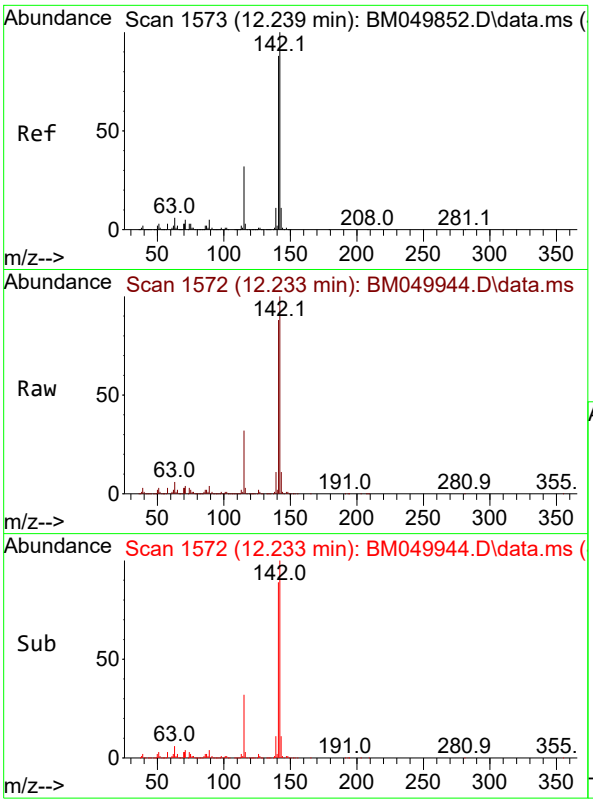


#36
4-Chloro-3-methylphenol
Concen: 40.002 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:107 Resp: 820695

Ion	Ratio	Lower	Upper
107	100		
144	29.9	23.6	35.4
142	89.3	71.4	107.0

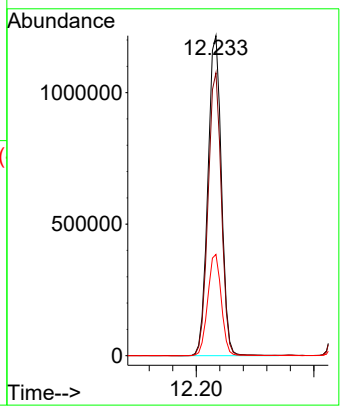




#37
2-Methylnaphthalene
Concen: 39.424 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:142 Resp: 193622

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.2	105.2
115	31.6	25.4	38.2



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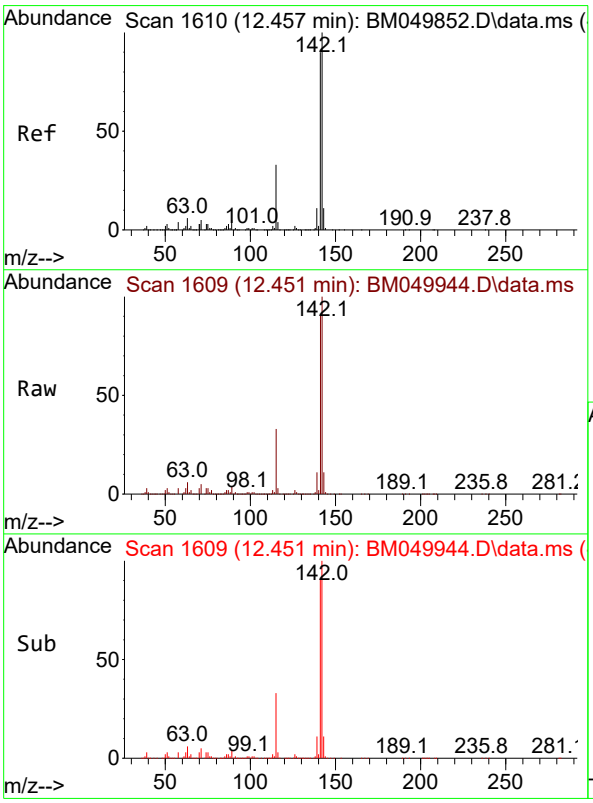
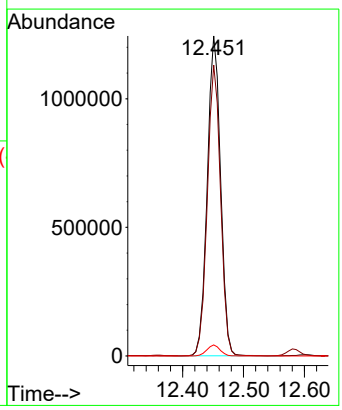
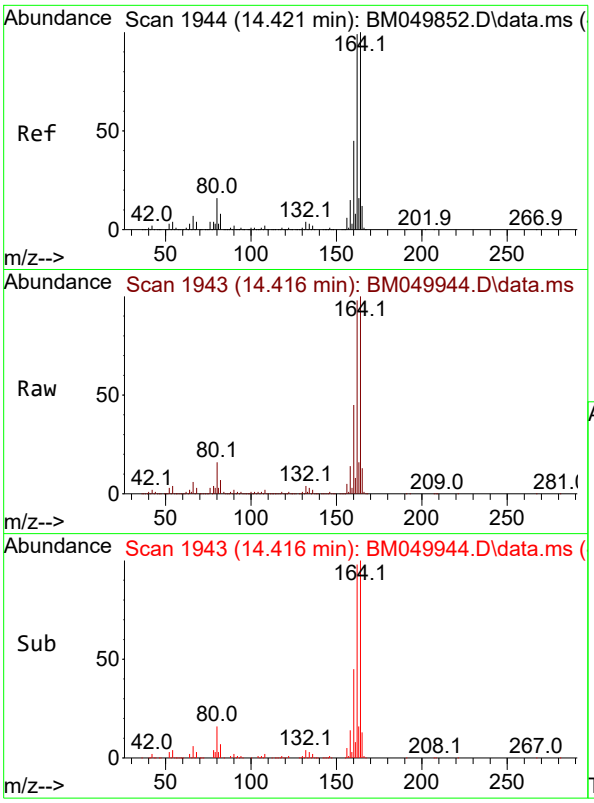


#38
1-Methylnaphthalene
Concen: 39.345 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:142 Resp: 1882556

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.2	108.2
116	3.5	2.9	4.3

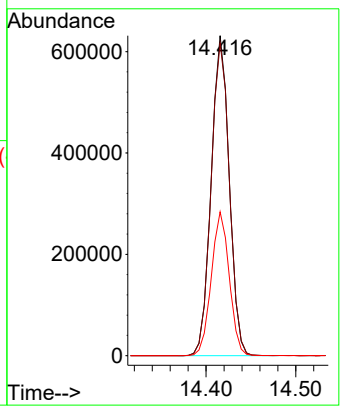




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:164 Resp: 88174

Ion	Ratio	Lower	Upper
164	100		
162	97.7	79.4	119.0
160	45.0	36.2	54.2



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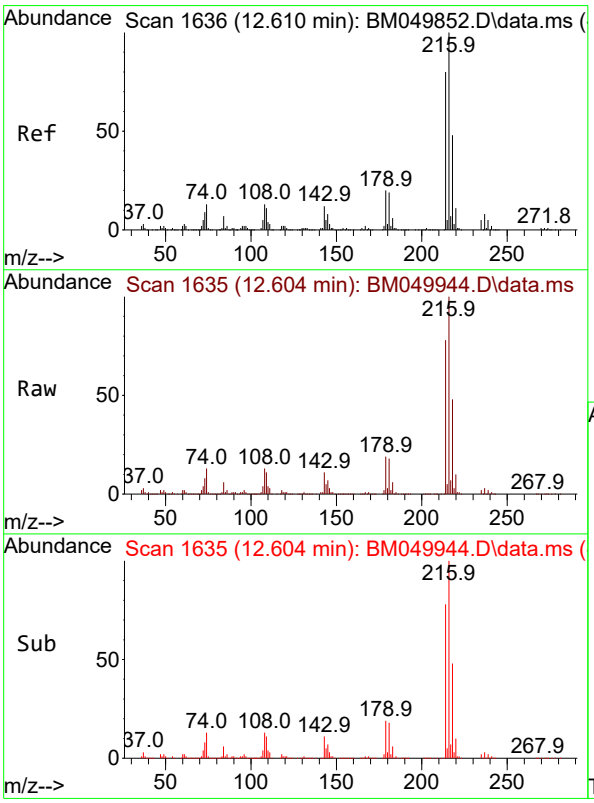
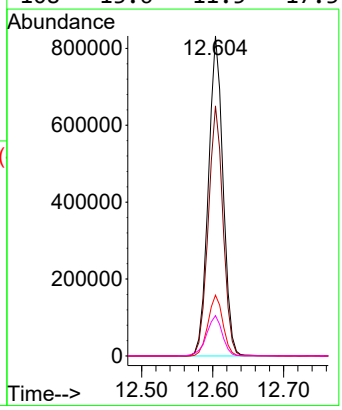
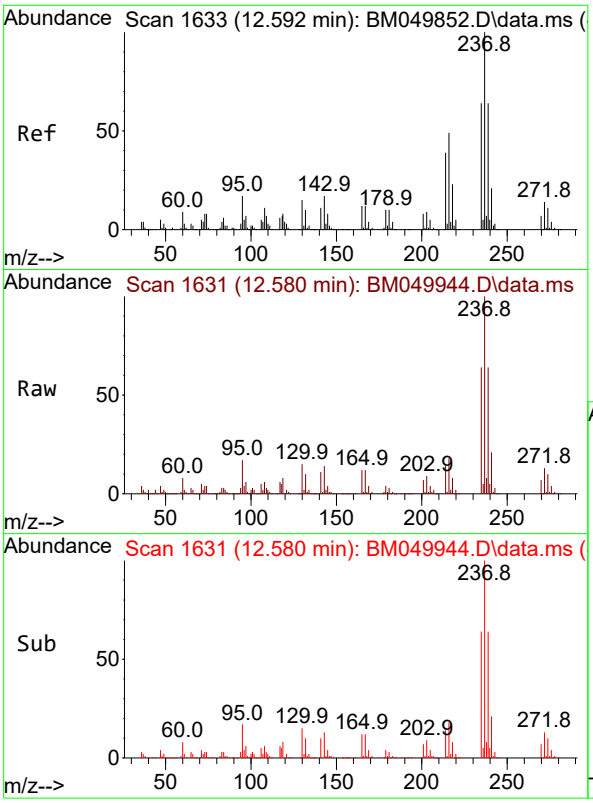


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.787 ng
RT: 12.604 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:216 Resp: 1196479

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.2	94.8
179	19.3	15.8	23.6
108	13.6	11.5	17.3

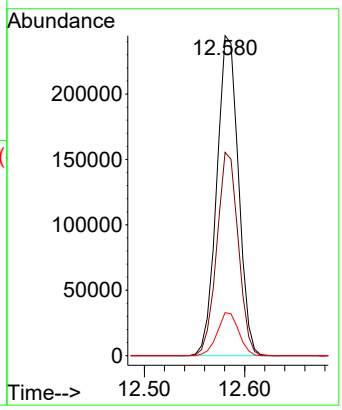




#41
Hexachlorocyclopentadiene
Concen: 33.823 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:237 Resp: 36559

Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.7	83.7
272	13.4	0.0	33.5



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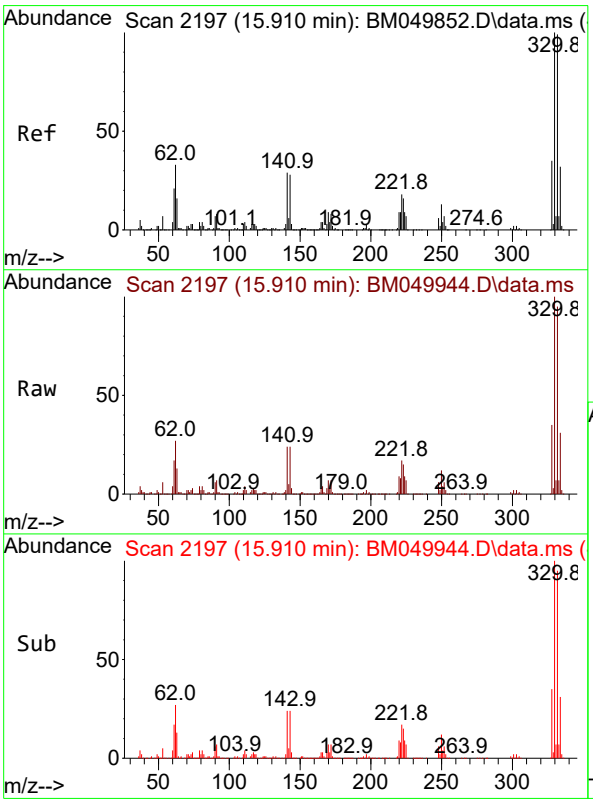
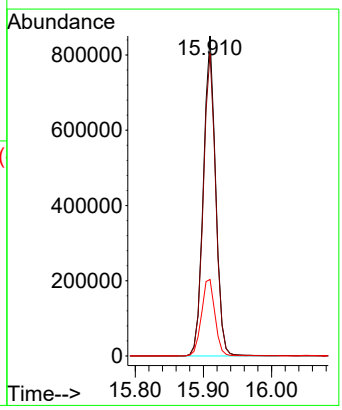
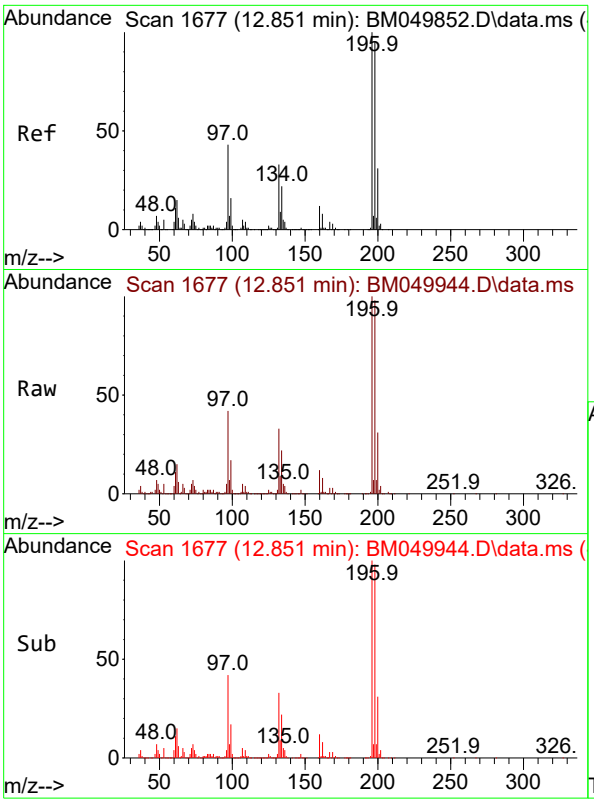


#42
2,4,6-Tribromophenol
Concen: 82.697 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:330 Resp: 1060612

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	26.3	23.5	35.3

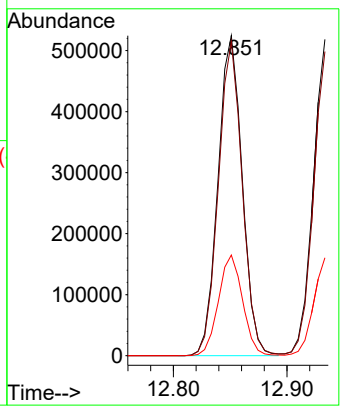




#43
2,4,6-Trichlorophenol
Concen: 39.655 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:196 Resp: 77840

Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.1	114.1
200	31.5	24.7	37.1



Instrument :
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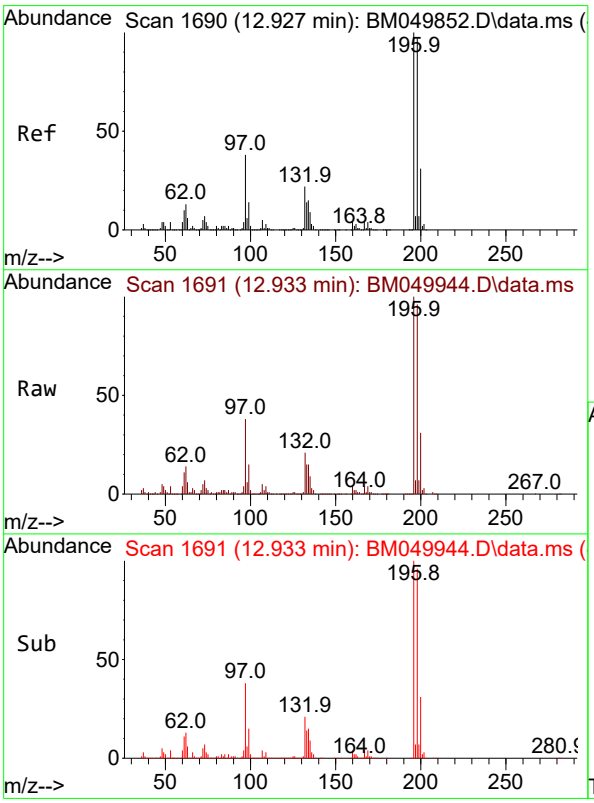
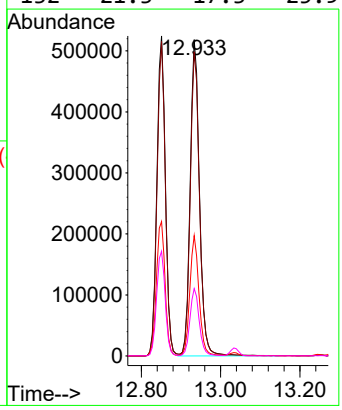
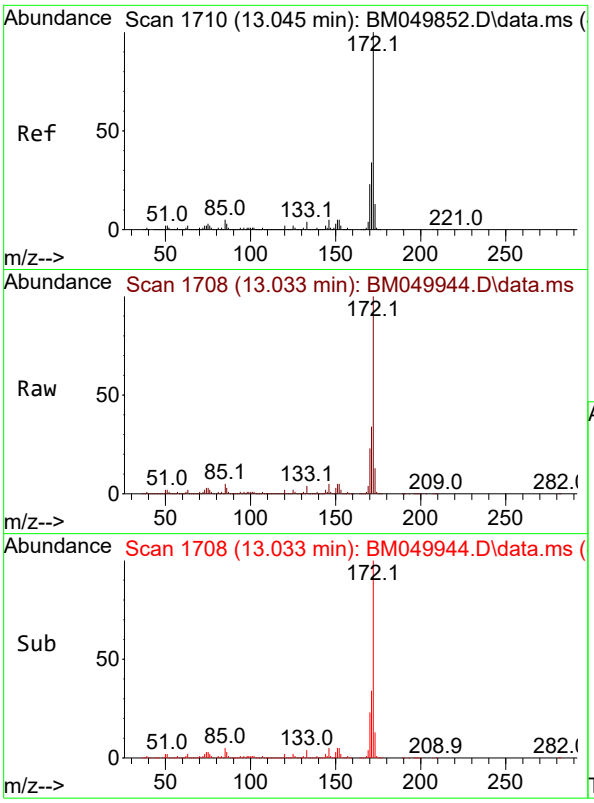


#44
2,4,5-Trichlorophenol
Concen: 39.765 ng
RT: 12.933 min Scan# 1691
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:196 Resp: 848241

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.7	116.5
97	38.0	30.3	45.5
132	21.3	17.3	25.9

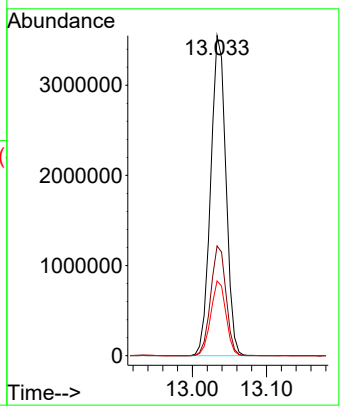




#45
2-Fluorobiphenyl
Concen: 77.764 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:172 Resp: 505659

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.2
170	23.4	18.6	28.0



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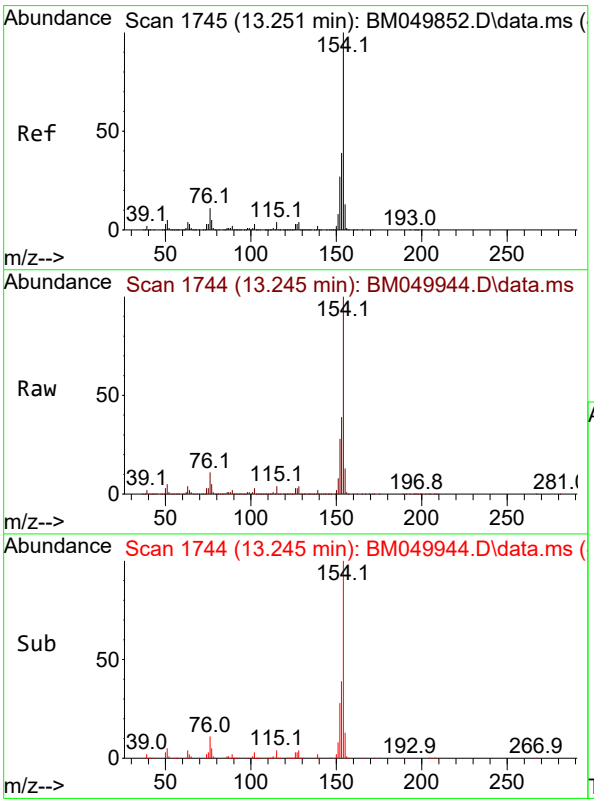
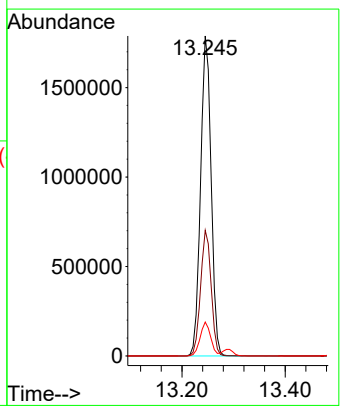
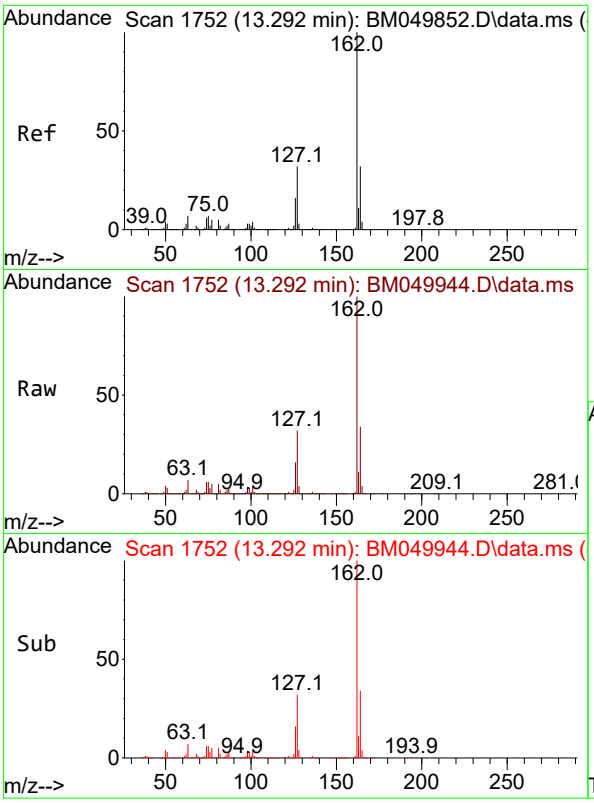


#46
1,1'-Biphenyl
Concen: 38.598 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:154 Resp: 2529956

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.3	59.3
76	10.6	0.0	30.7

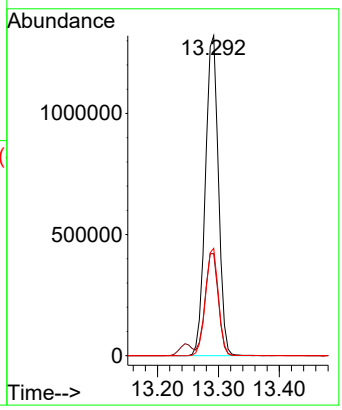




#47
2-Chloronaphthalene
Concen: 38.094 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:162 Resp: 196254

Ion	Ratio	Lower	Upper
162	100		
127	31.9	26.0	39.0
164	33.6	25.9	38.9



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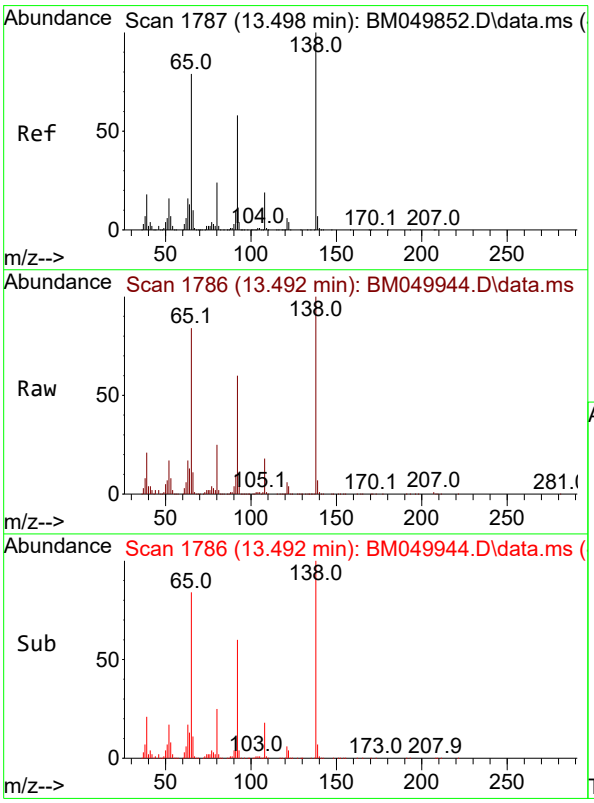
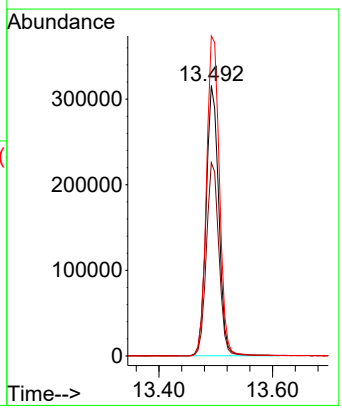
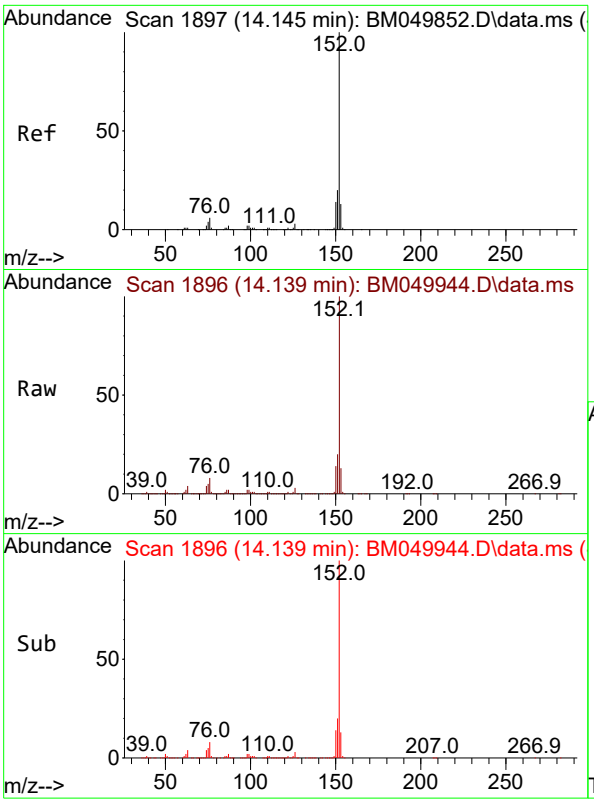


#48
2-Nitroaniline
Concen: 40.684 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 65 Resp: 484897

Ion	Ratio	Lower	Upper
65	100		
92	71.5	58.4	87.6
138	118.4	100.8	151.2

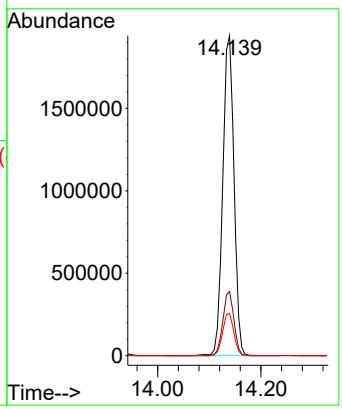




#49
Acenaphthylene
Concen: 38.940 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:152 Resp: 292221

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.1	10.4	15.6



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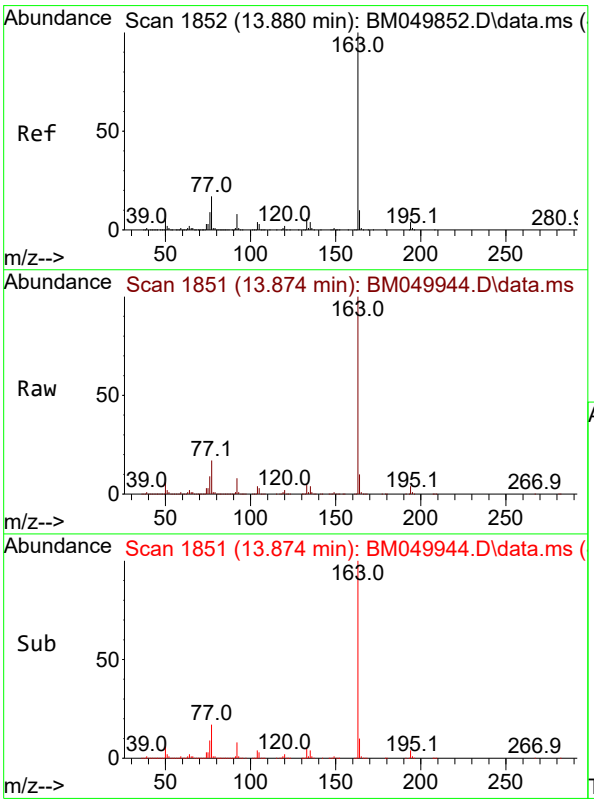
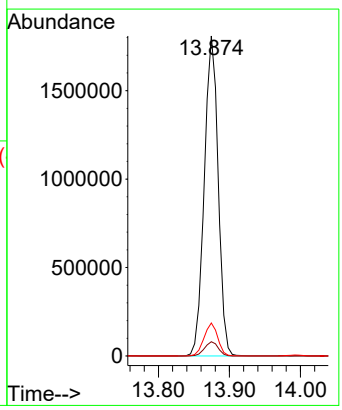
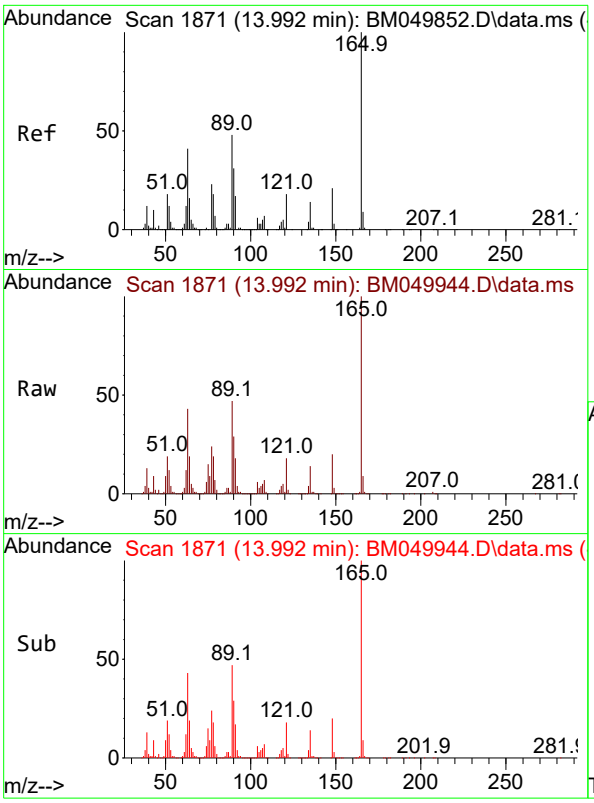


#50
Dimethylphthalate
Concen: 39.579 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:163 Resp: 2462065

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.3	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 41.181 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:165 Resp: 53670

Ion	Ratio	Lower	Upper
165	100		
63	43.5	36.1	54.1
89	46.9	38.3	57.5

Instrument :
BNA_M
ClientSampleId :
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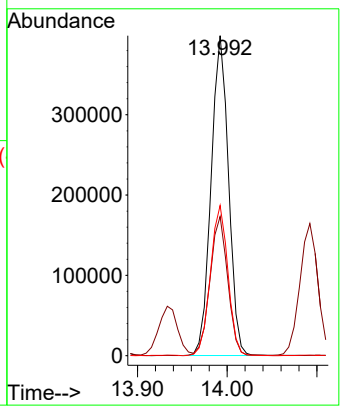

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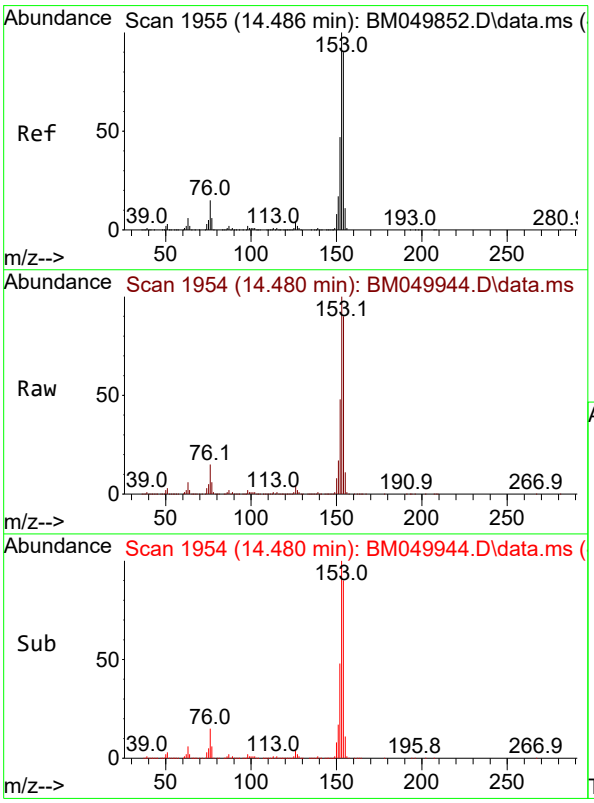
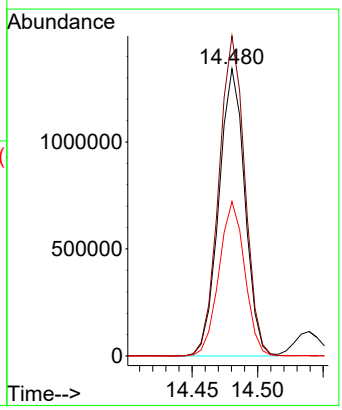
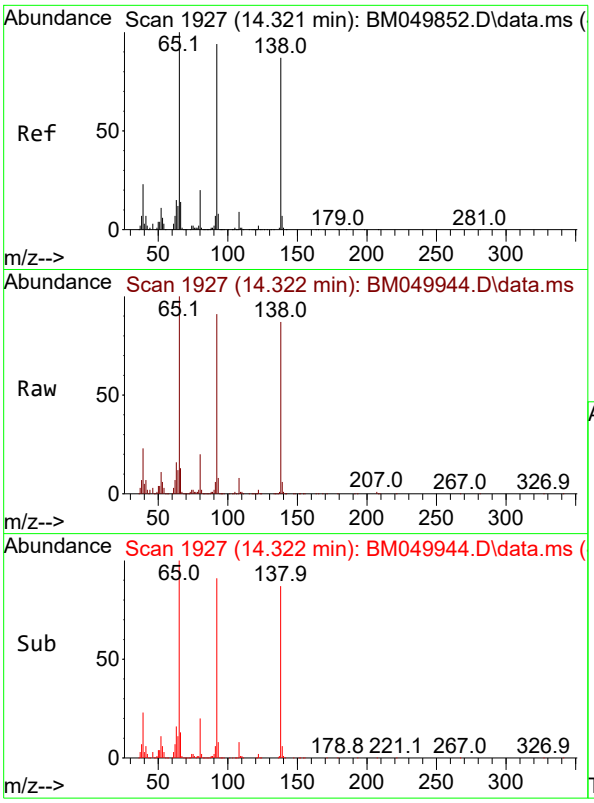


#52
Acenaphthene
Concen: 38.725 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:154 Resp: 1848519

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.3	133.9
152	53.8	42.2	63.2

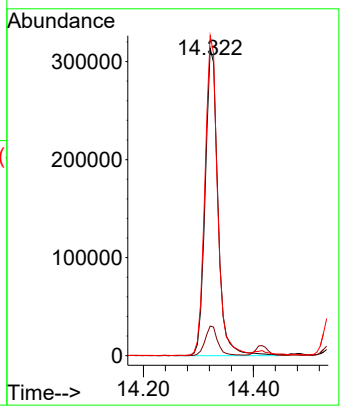




#53
3-Nitroaniline
Concen: 40.132 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:138 Resp: 50552

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.1	86.5	129.7



Instrument :
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ClientSampleId :
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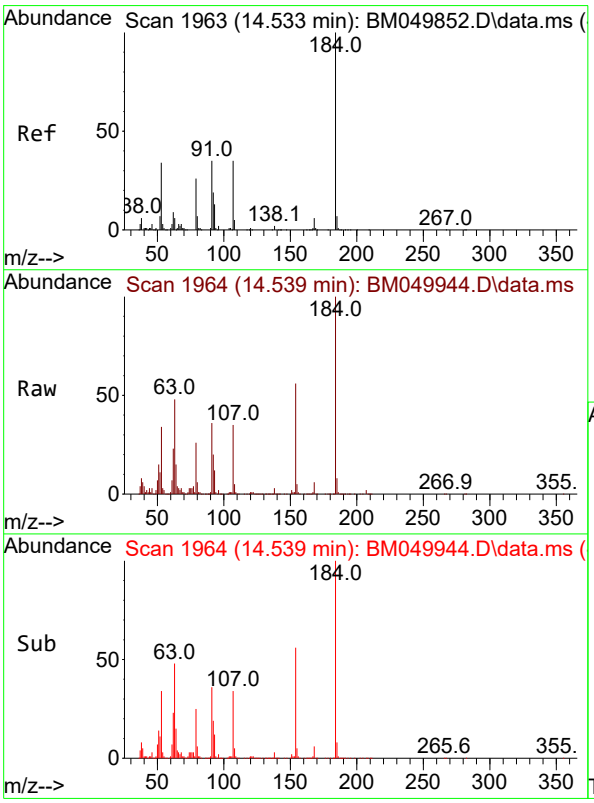
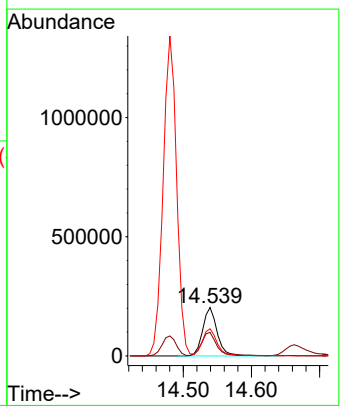
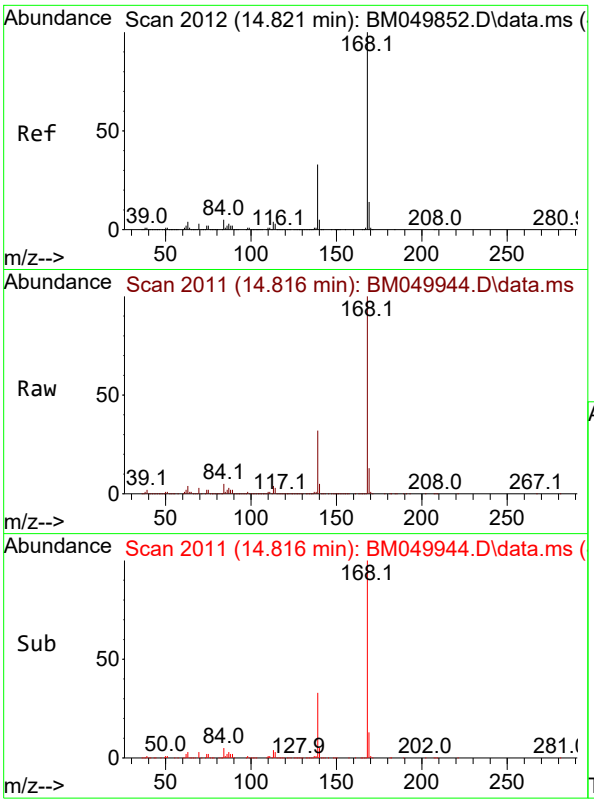


#54
2,4-Dinitrophenol
Concen: 36.577 ng
RT: 14.539 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:184 Resp: 304541

Ion	Ratio	Lower	Upper
184	100		
63	48.5	38.4	57.6
154	56.2	48.1	72.1





#55
Dibenzofuran
Concen: 39.083 ng
RT: 14.816 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:168 Resp: 311873

Ion	Ratio	Lower	Upper
168	100		
139	32.5	26.6	39.8
169	13.3	11.0	16.4

Instrument :
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ClientSampleId :
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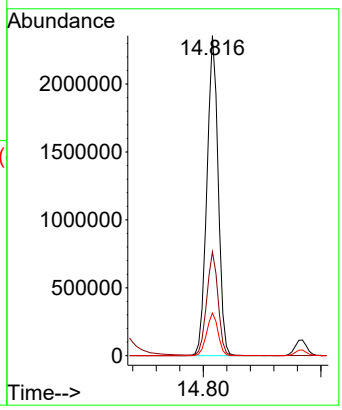

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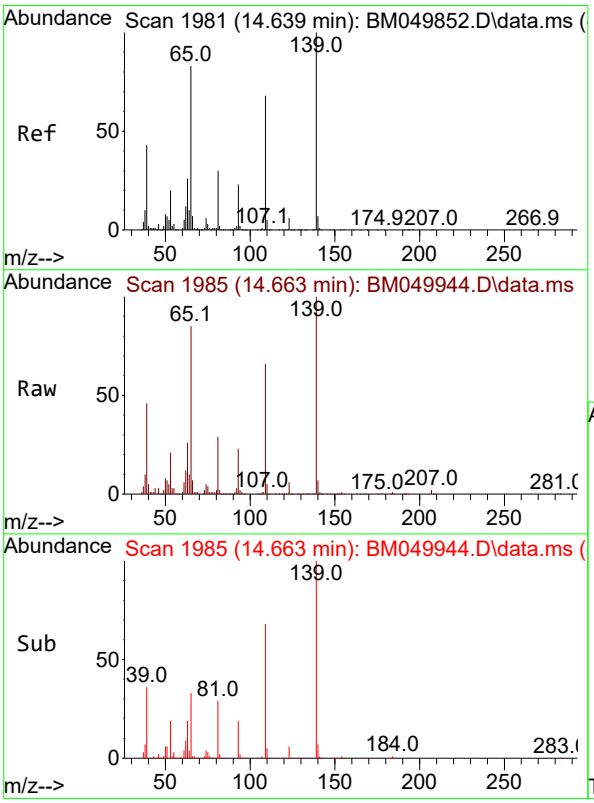
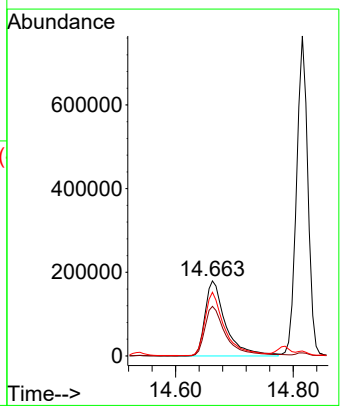
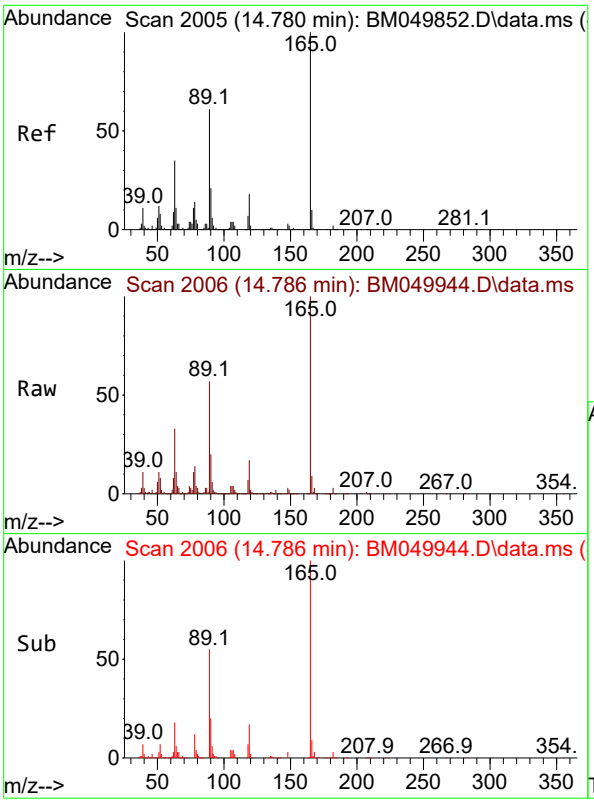


#56
4-Nitrophenol
Concen: 38.745 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.024 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:139 Resp: 434912

Ion	Ratio	Lower	Upper
139	100		
109	66.1	47.9	87.9
65	84.8	62.7	102.7

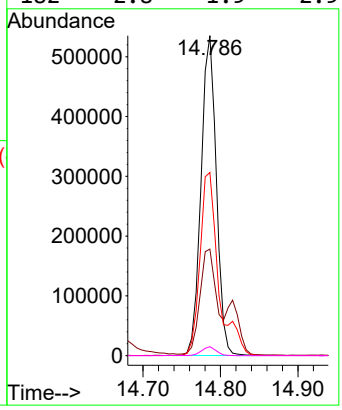




#57
2,4-Dinitrotoluene
Concen: 42.170 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:165 Resp: 73320

Ion	Ratio	Lower	Upper
165	100		
63	33.3	28.6	42.8
89	57.3	49.0	73.6
182	2.8	1.9	2.9



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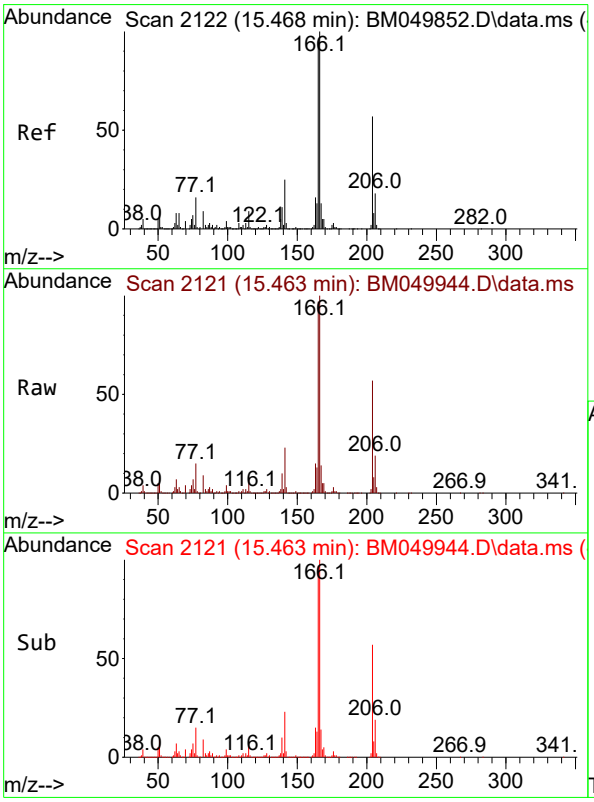
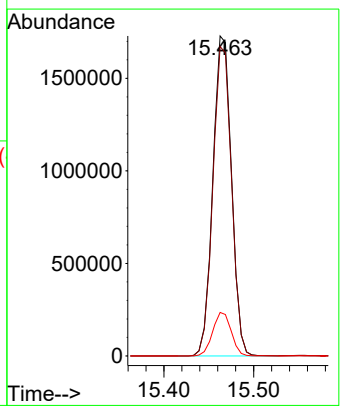
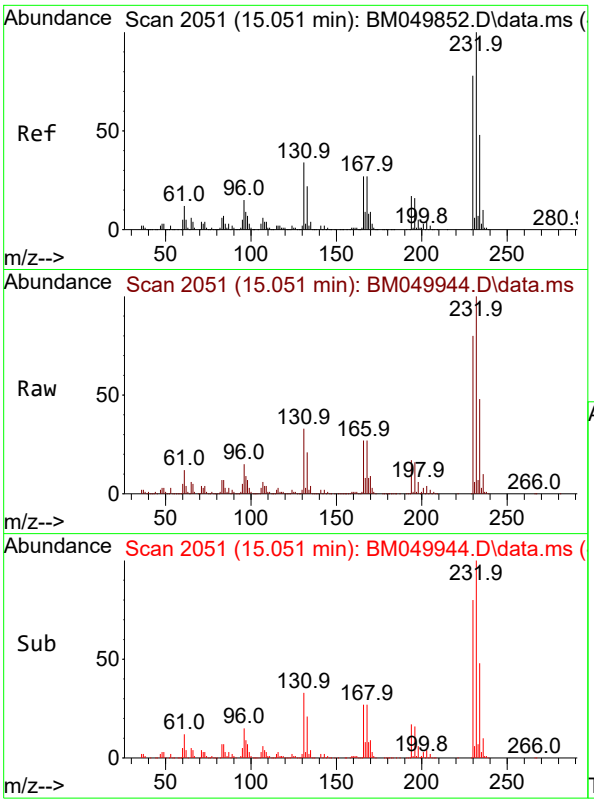


#58
Fluorene
Concen: 39.204 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:166 Resp: 2486724

Ion	Ratio	Lower	Upper
166	100		
165	96.7	76.3	114.5
167	13.6	10.7	16.1

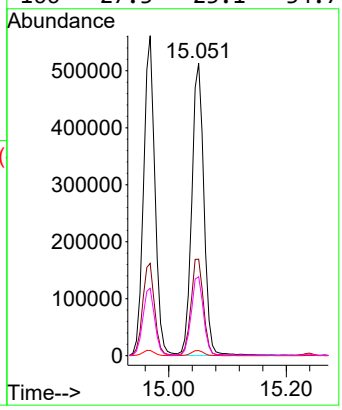




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.214 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:232 Resp: 73315

Ion	Ratio	Lower	Upper
232	100		
131	33.7	28.4	42.6
130	1.9	1.6	2.4
166	27.3	23.1	34.7



Instrument :
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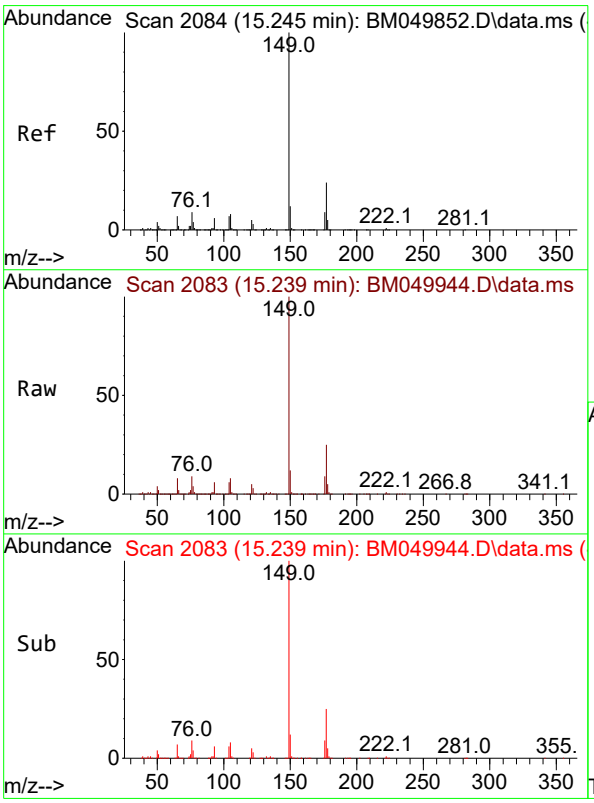
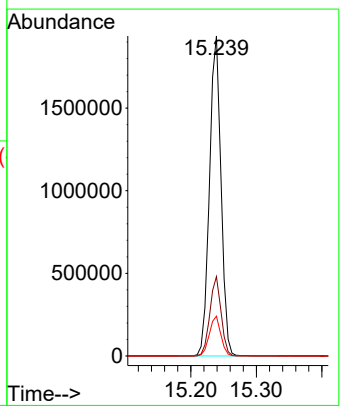
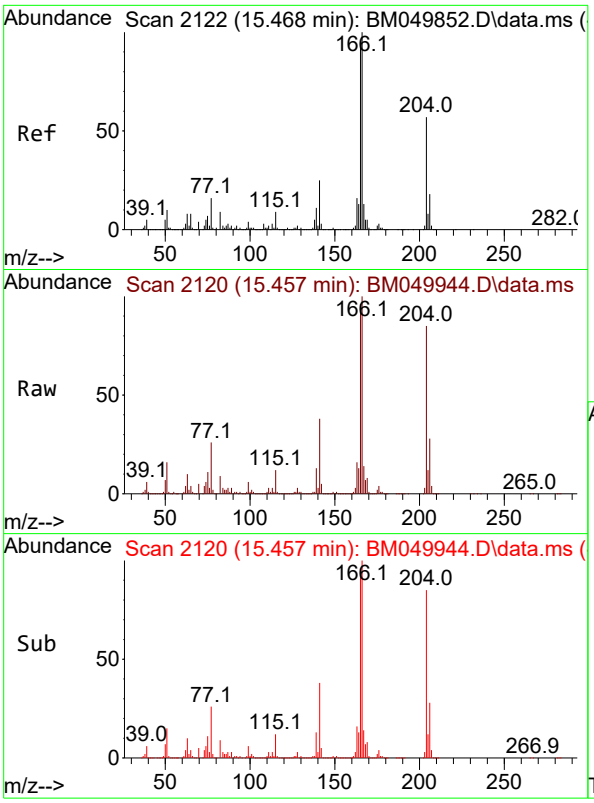


#60
Diethylphthalate
Concen: 39.691 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:149 Resp: 2367777

Ion	Ratio	Lower	Upper
149	100		
177	24.8	19.0	28.4
150	12.5	9.7	14.5

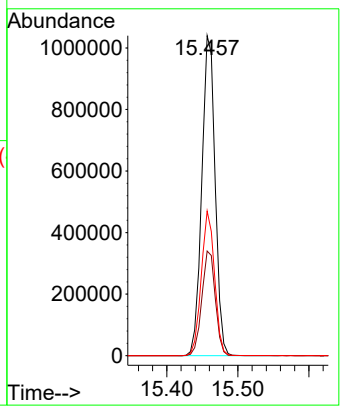




#61
4-Chlorophenyl-phenylether
Concen: 40.047 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:204 Resp: 136186

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	45.2	35.0	52.6



Instrument :
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ClientSampleId :
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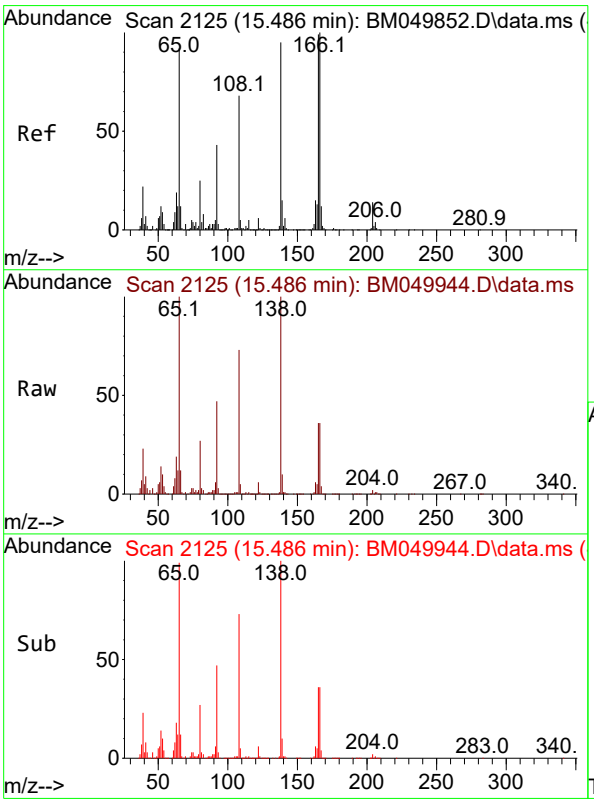
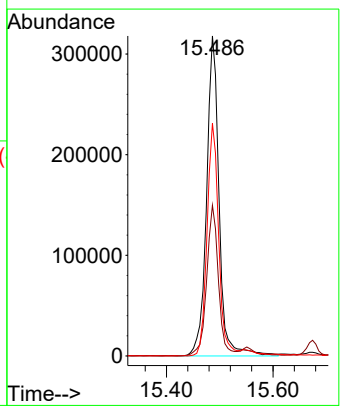
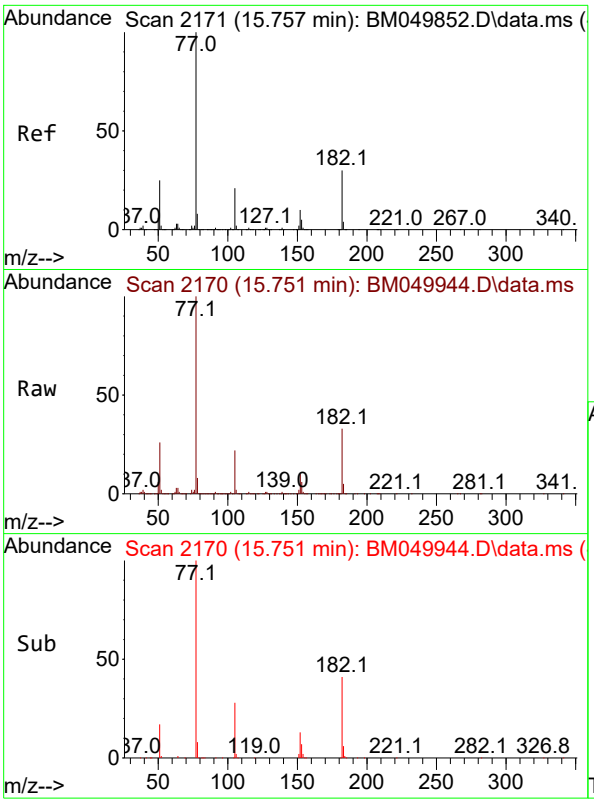


#62
4-Nitroaniline
Concen: 40.029 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:138 Resp: 521444

Ion	Ratio	Lower	Upper
138	100		
92	47.1	24.9	64.9
108	72.7	51.7	91.7

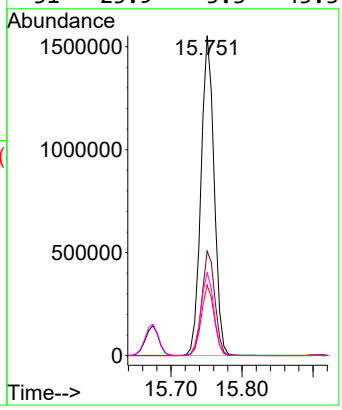




#63
Azobenzene
Concen: 39.117 ng
RT: 15.751 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion: 77 Resp: 199783

Ion	Ratio	Lower	Upper
77	100		
182	32.7	10.4	50.4
105	22.1	1.5	41.5
51	25.9	5.3	45.3



Instrument :
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ClientSampleId :
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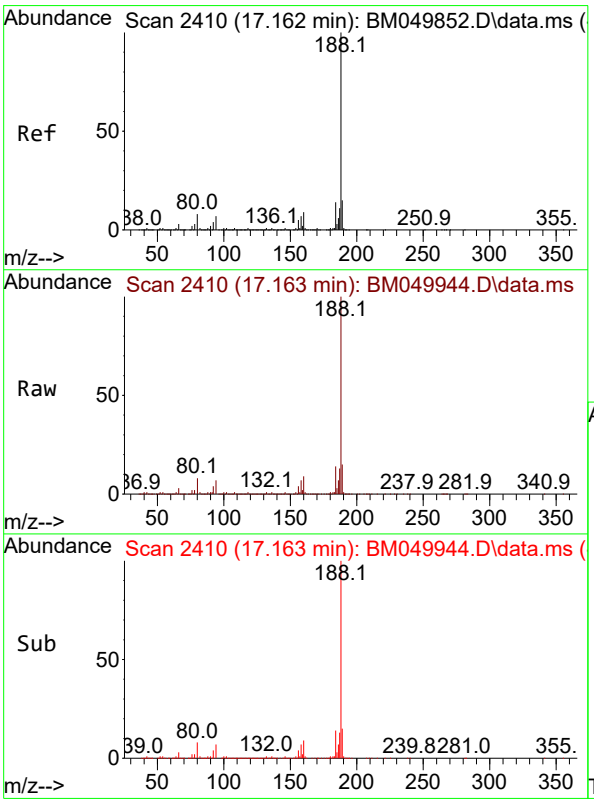
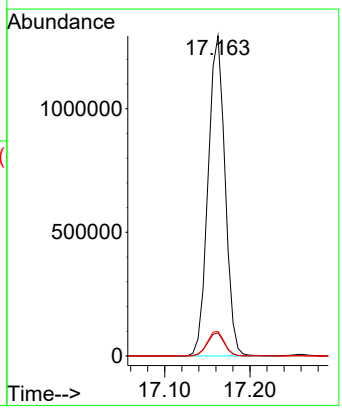
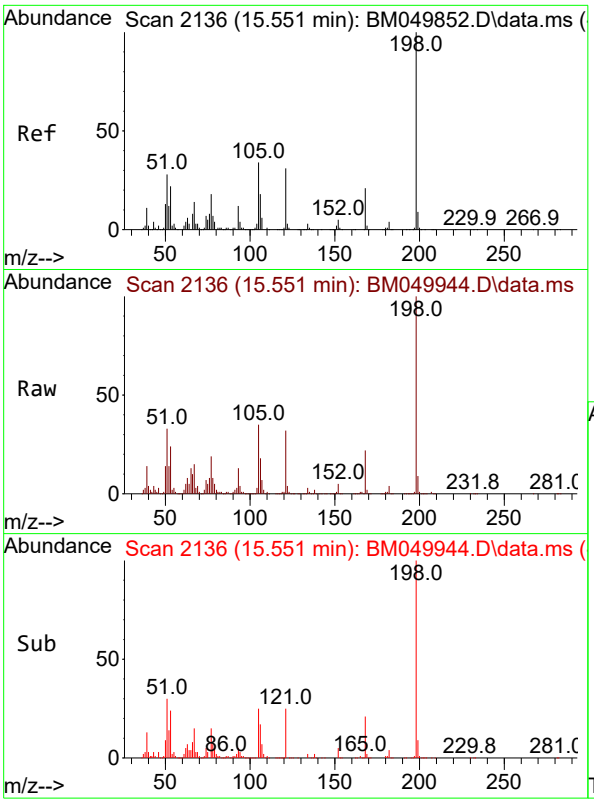


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:188 Resp: 1791608

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	7.6	6.4	9.6

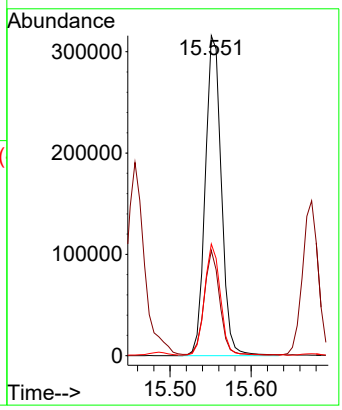




#65
4,6-Dinitro-2-methylphenol
Concen: 38.495 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:198 Resp: 43460

Ion	Ratio	Lower	Upper
198	100		
51	32.8	9.6	49.6
105	34.9	14.7	54.7



Instrument :
BNA_M
ClientSampleId :
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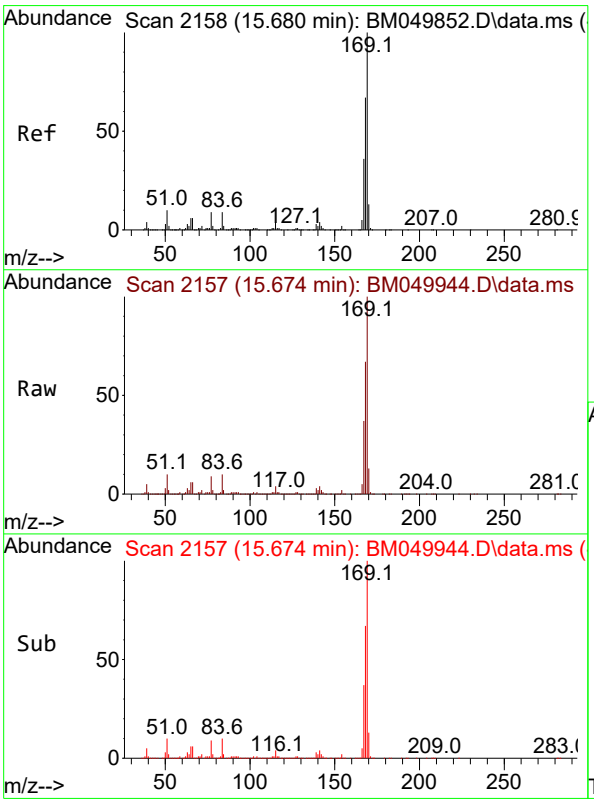
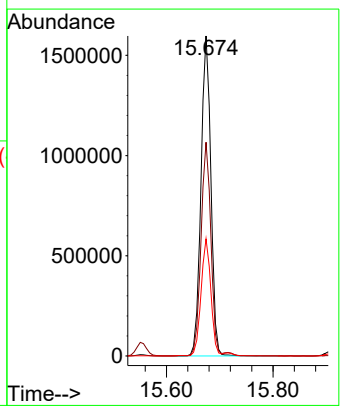
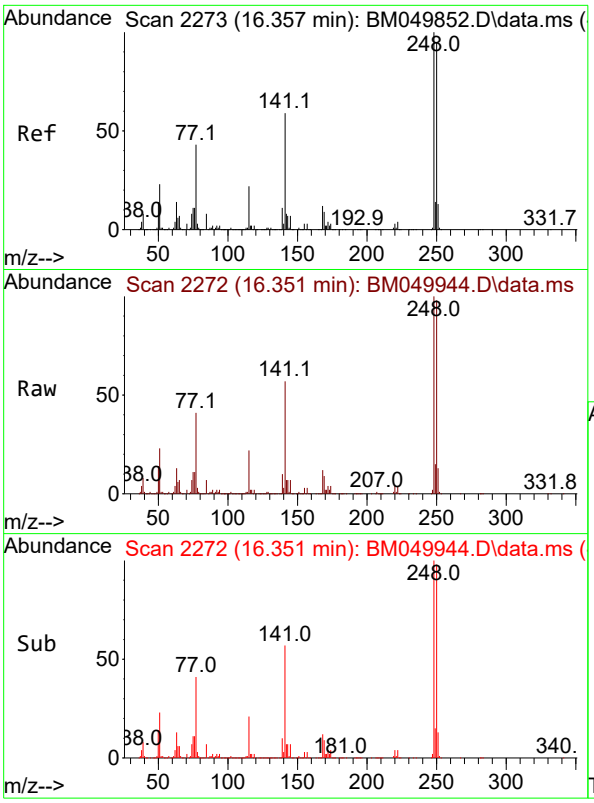


#66
n-Nitrosodiphenylamine
Concen: 38.275 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:169 Resp: 2052165

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.6	29.0	43.6

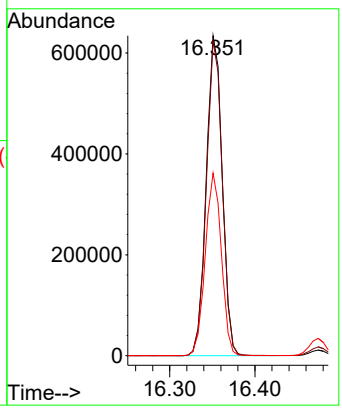




#67
4-Bromophenyl-phenylether
Concen: 39.773 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:248 Resp: 82720

Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.2	114.2
141	57.0	47.3	70.9



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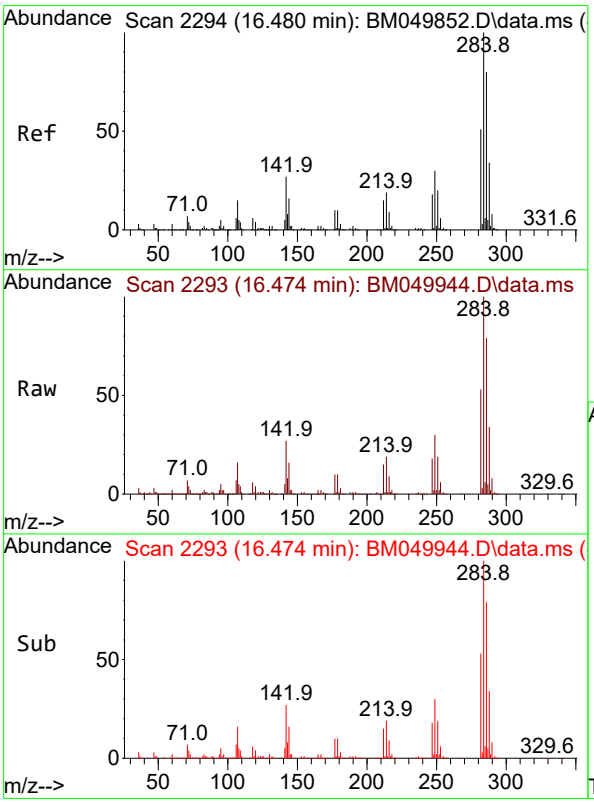
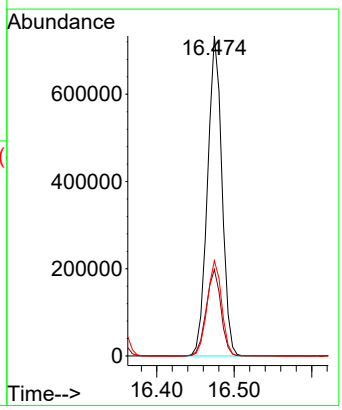
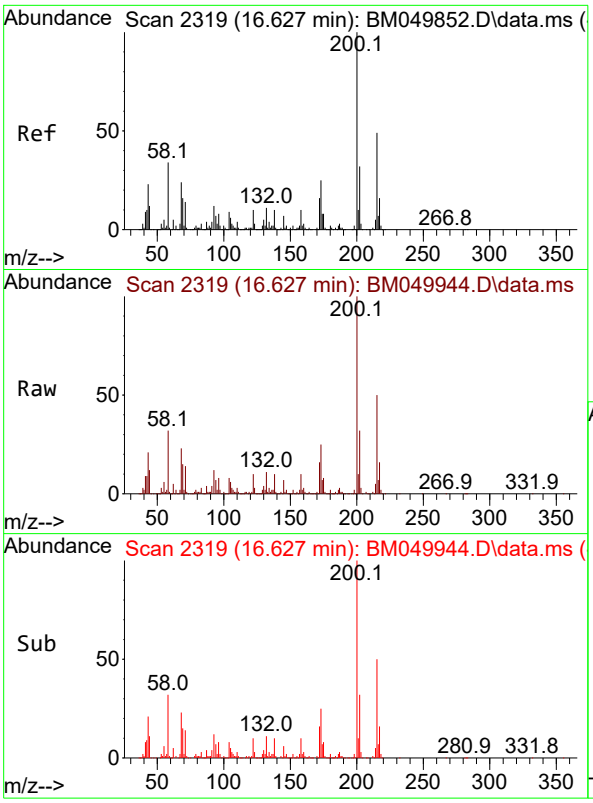


#68
Hexachlorobenzene
Concen: 39.686 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:284 Resp: 946778

Ion	Ratio	Lower	Upper
284	100		
142	27.0	21.2	31.8
249	29.8	24.1	36.1





#69
Atrazine
Concen: 49.332 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:200 Resp: 68579

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.4	45.4
215	50.2	29.0	69.0

Instrument :
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ClientSampleId :
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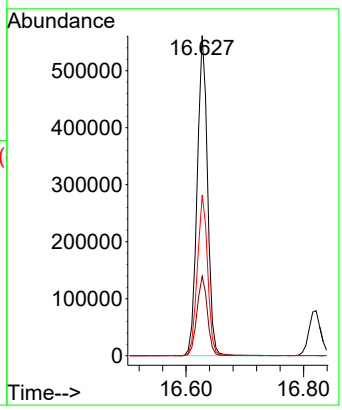

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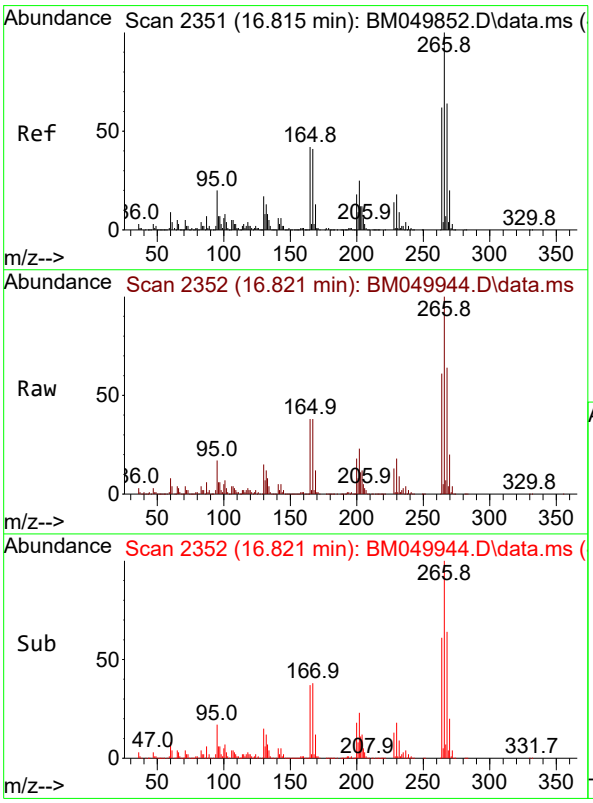
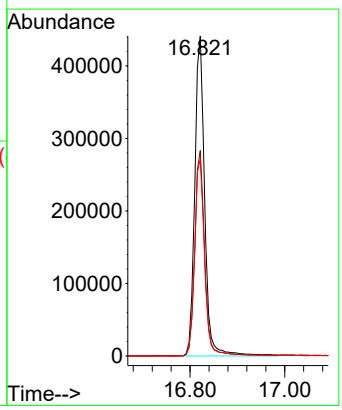
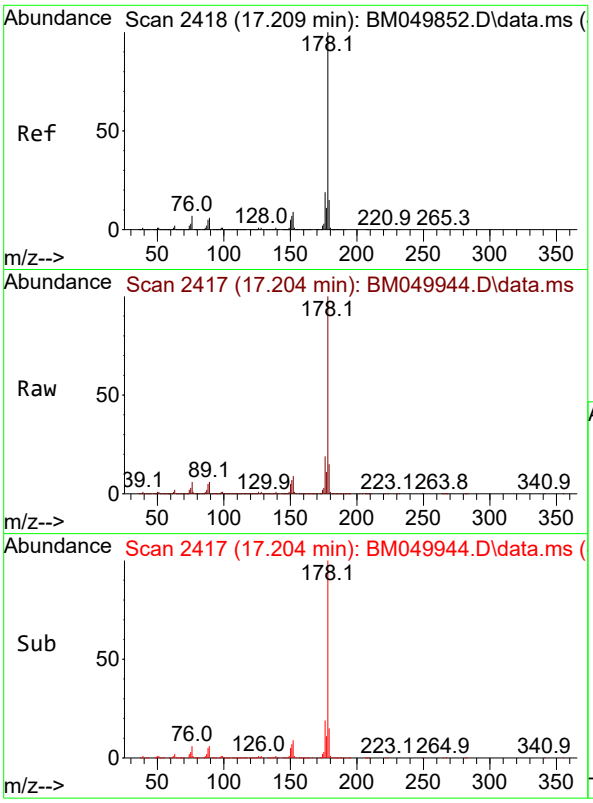


#70
Pentachlorophenol
Concen: 36.589 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:266 Resp: 642624

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.2
264	61.4	49.8	74.8

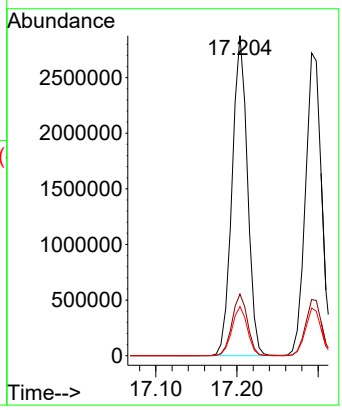




#71
Phenanthrene
Concen: 38.409 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:178 Resp: 377263

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.3	18.5



Instrument :
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ClientSampleId :
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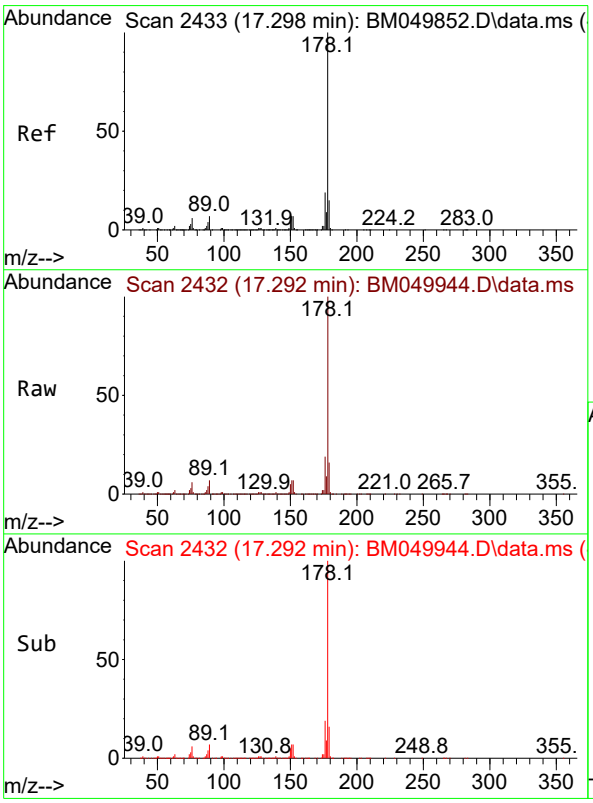
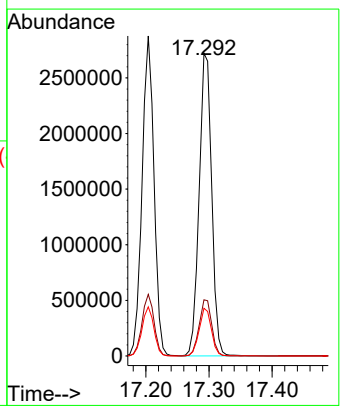
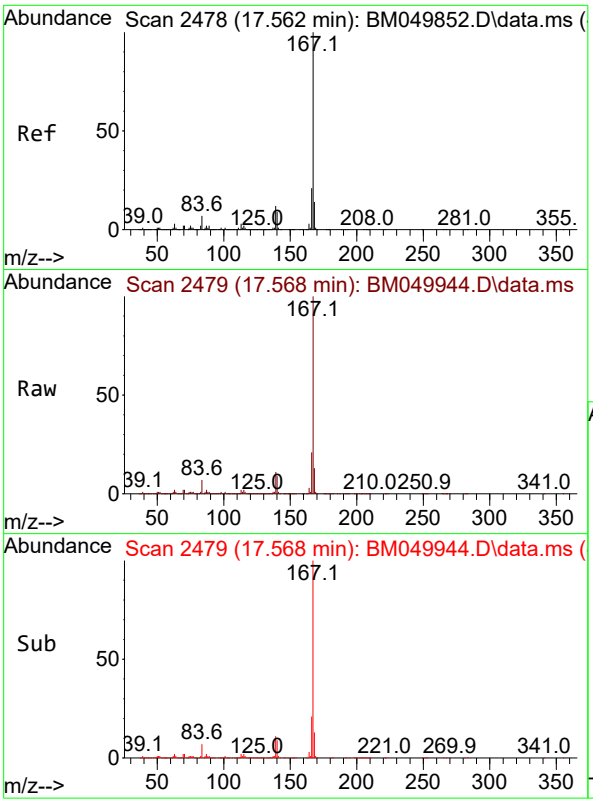


#72
Anthracene
Concen: 38.877 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:178 Resp: 3763190

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.8	12.4	18.6





#73
Carbazole
Concen: 38.190 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:167 Resp: 348181

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	10.9	9.3	13.9

Instrument :
BNA_M
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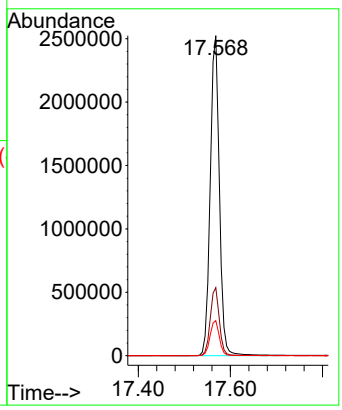

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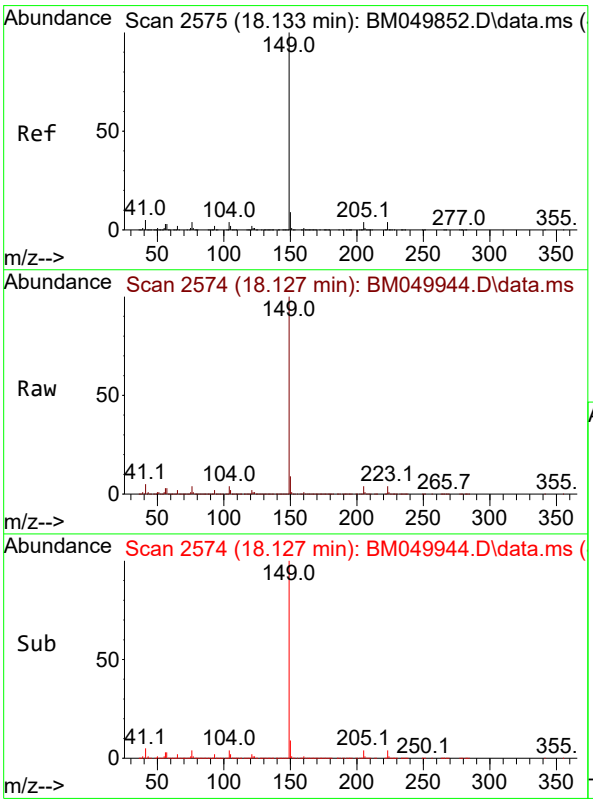
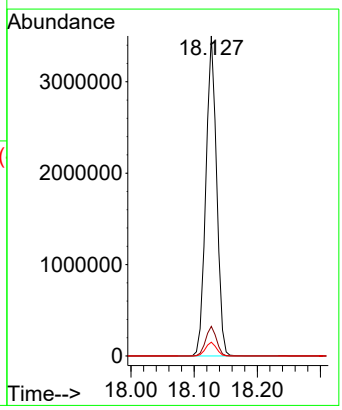
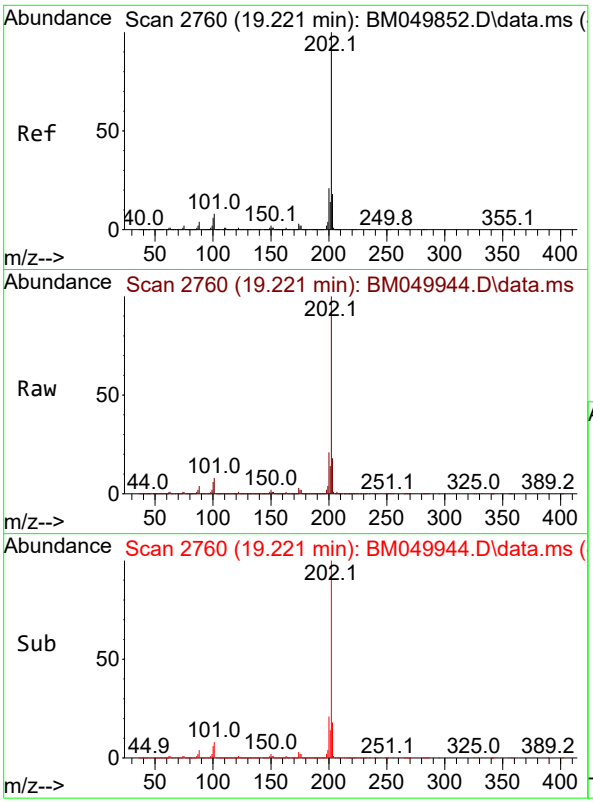


#74
Di-n-butylphthalate
Concen: 39.317 ng
RT: 18.127 min Scan# 2574
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:149 Resp: 4128736

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.3	3.5	5.3

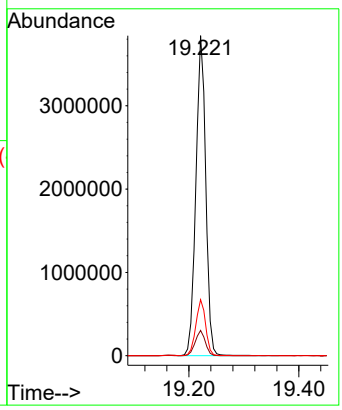




#75
Fluoranthene
Concen: 39.581 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:202 Resp: 478019

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.5	0.0	37.8



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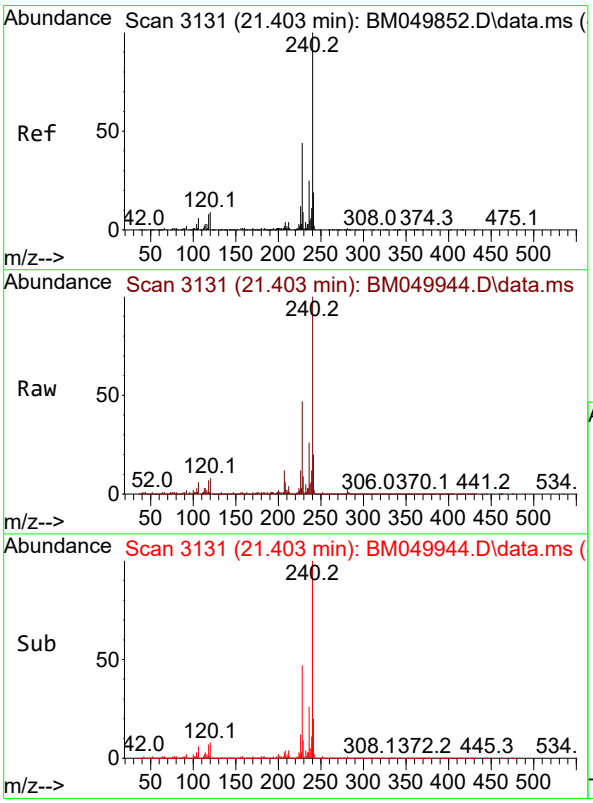
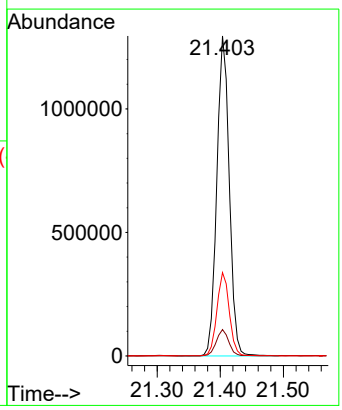
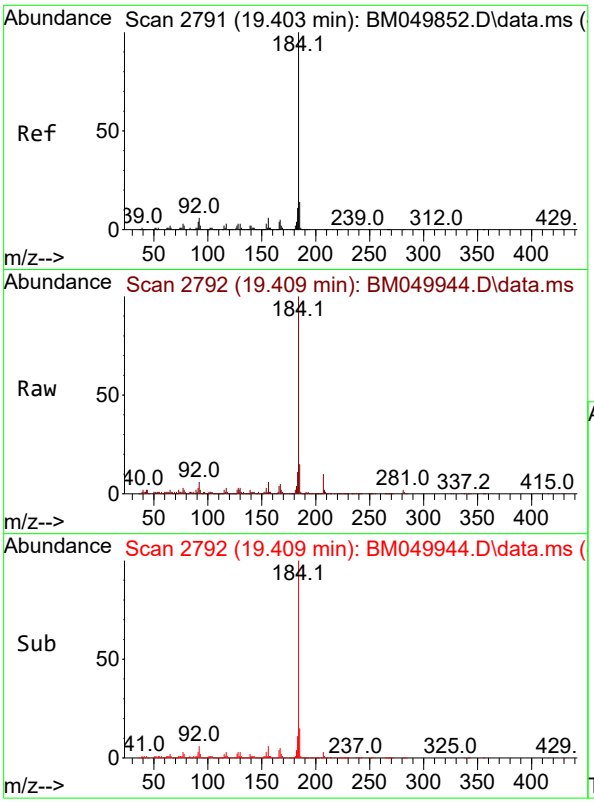


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:240 Resp: 1770465

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.9	10.3
236	26.0	20.4	30.6

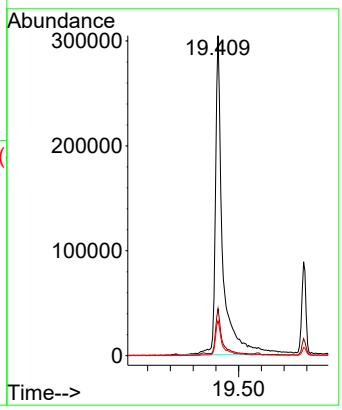




#77
Benzidine
Concen: 29.159 ng
RT: 19.409 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:184 Resp: 68487

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	10.9	8.8	13.2



Instrument :
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ClientSampleId :
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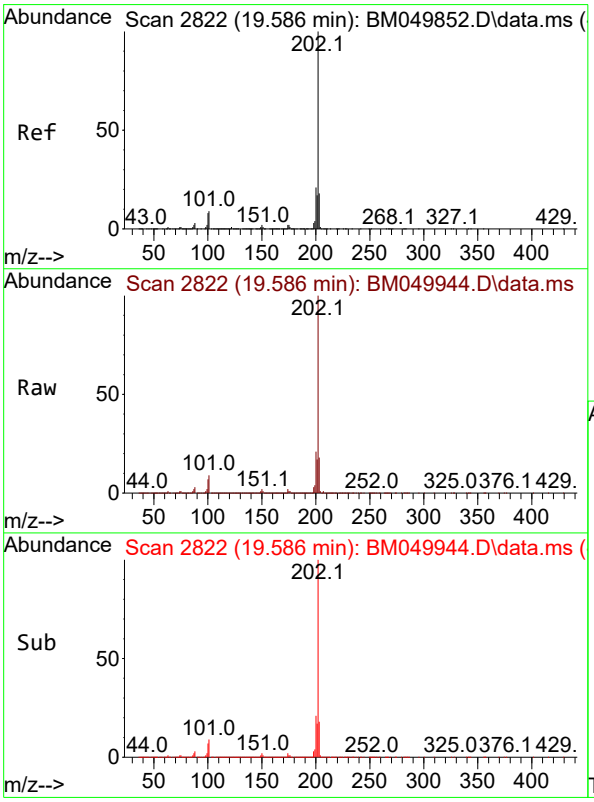
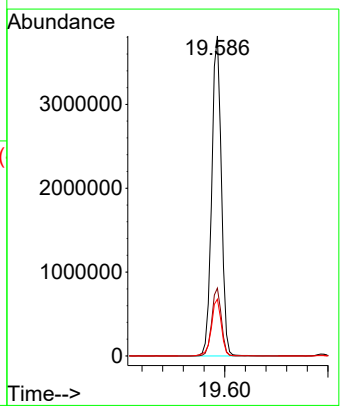
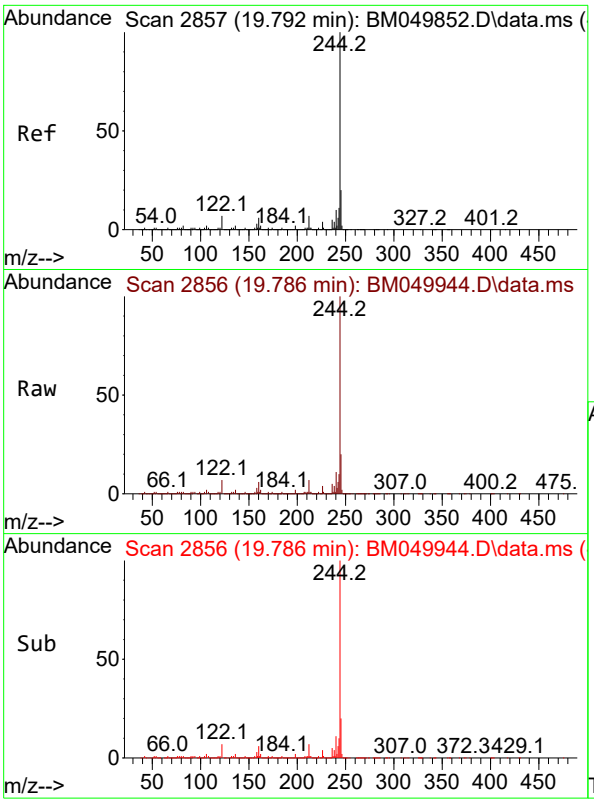


#78
Pyrene
Concen: 40.327 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:202 Resp: 4920548

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.5	24.7
203	17.8	14.0	21.0

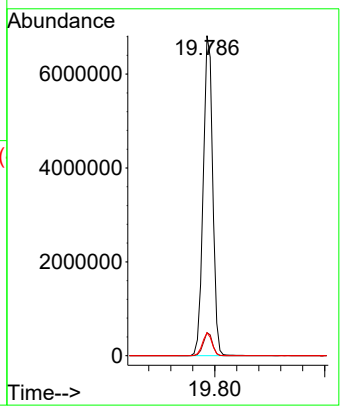




#79
Terphenyl-d14
Concen: 86.236 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:244 Resp: 814698

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	7.2	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
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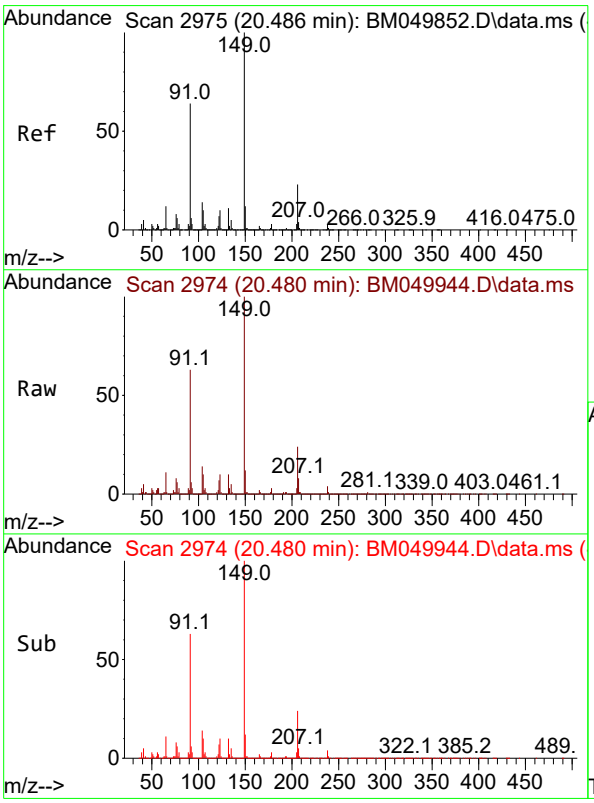
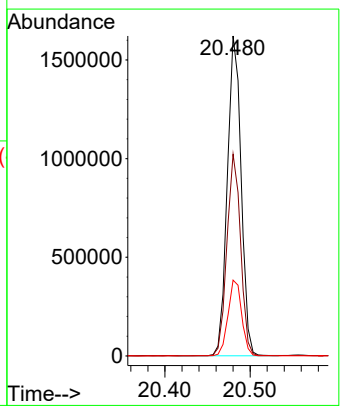
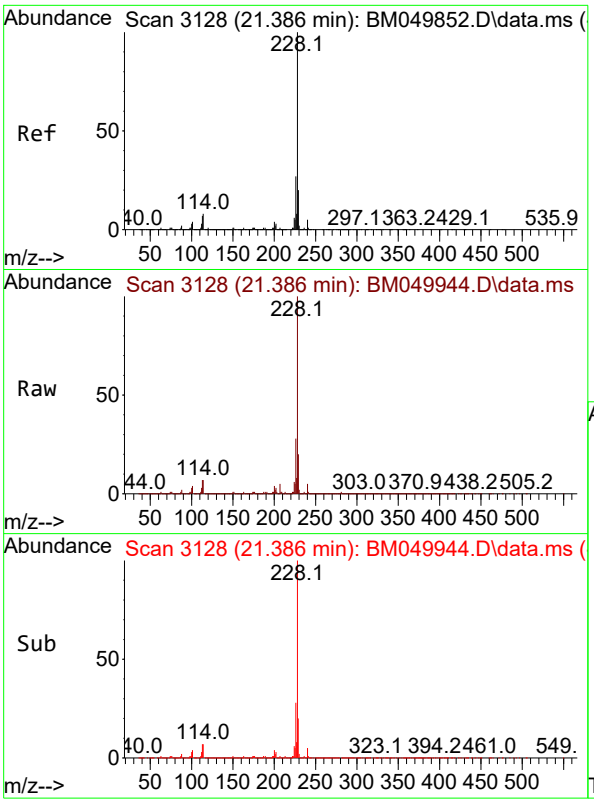


#80
Butylbenzylphthalate
Concen: 39.697 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:149 Resp: 1820063

Ion	Ratio	Lower	Upper
149	100		
91	63.0	50.9	76.3
206	23.7	18.4	27.6

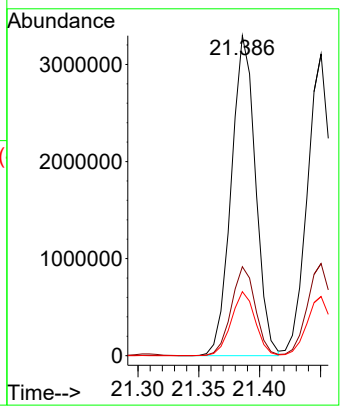




#81
Benzo(a)anthracene
Concen: 38.937 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:228 Resp: 458147

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.0	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
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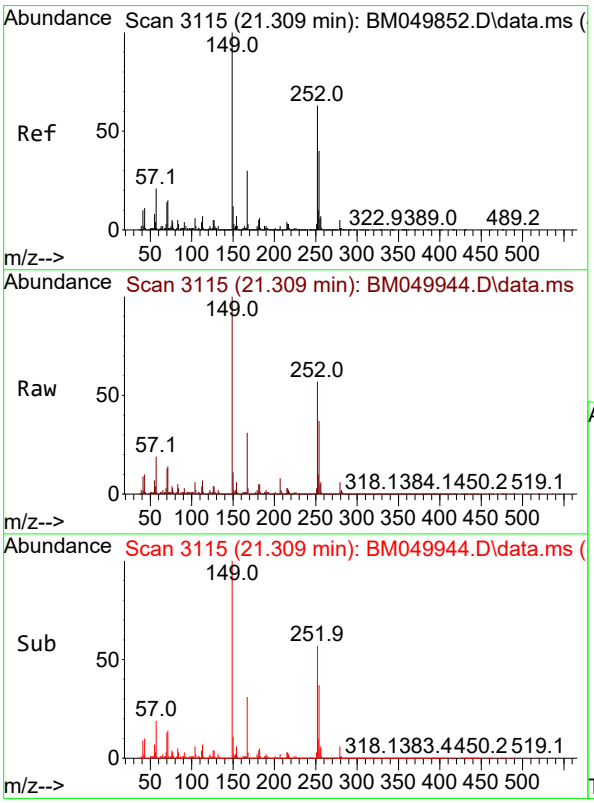
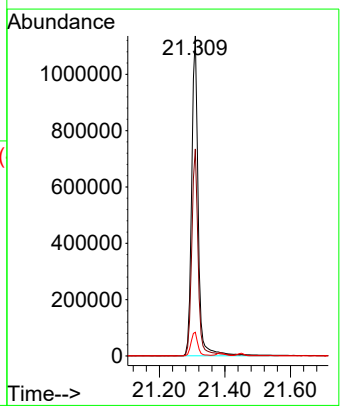
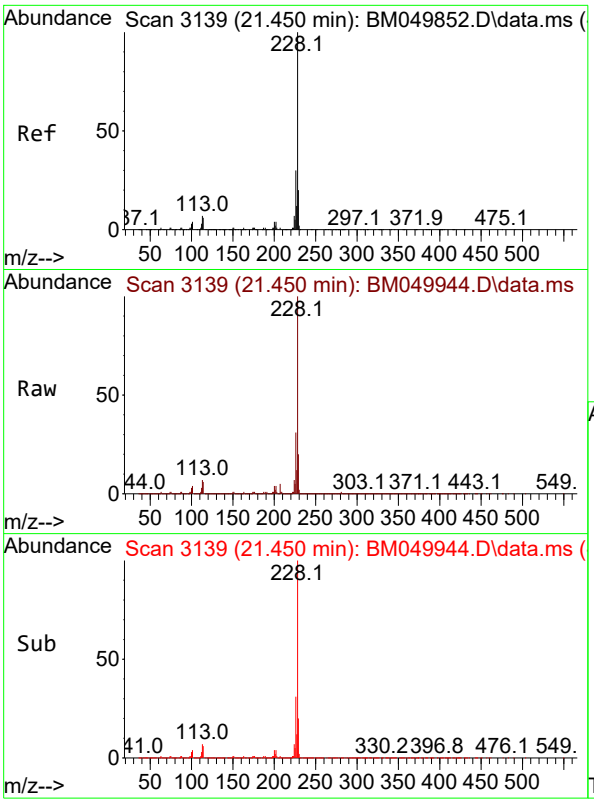


#82
3,3'-Dichlorobenzidine
Concen: 35.538 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:252 Resp: 1579114

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.5	77.3
126	7.4	6.3	9.5





#83
Chrysene
Concen: 38.260 ng
RT: 21.450 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:228 Resp: 427998

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	19.6	15.8	23.6

Instrument :
BNA_M
ClientSampleId :
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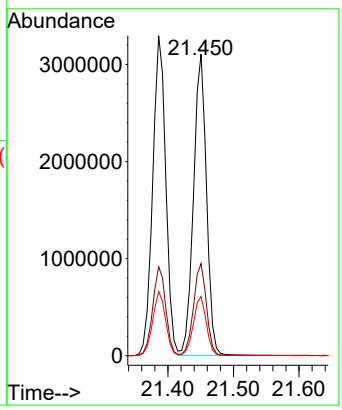

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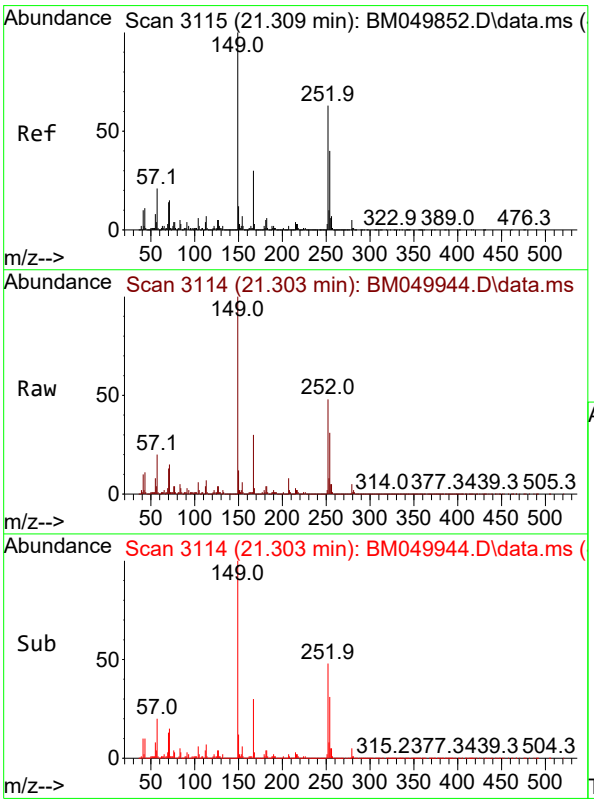
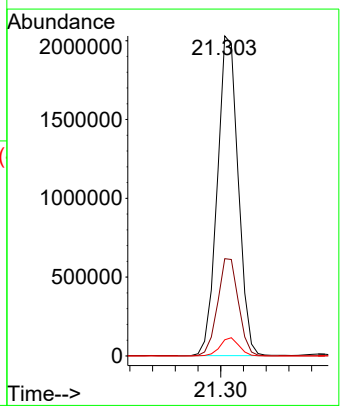
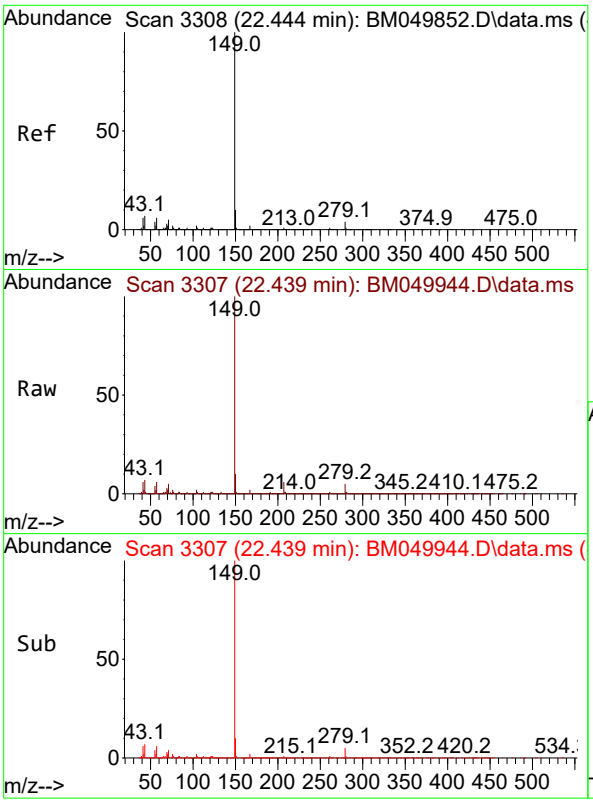


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.755 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:149 Resp: 2588841

Ion	Ratio	Lower	Upper
149	100		
167	30.4	23.8	35.6
279	5.1	3.8	5.8

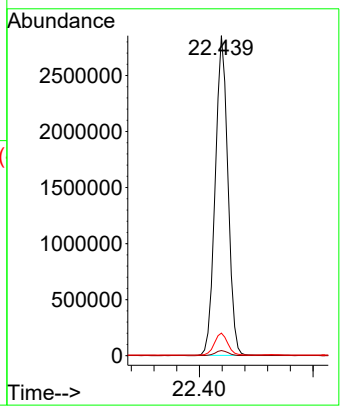




#85
Di-n-octyl phthalate
Concen: 37.790 ng
RT: 22.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:149 Resp: 441615

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.6



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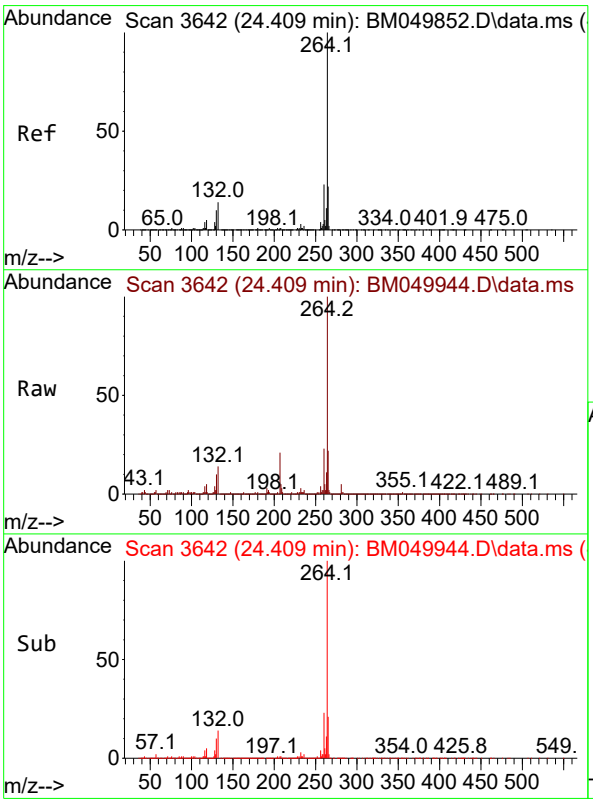
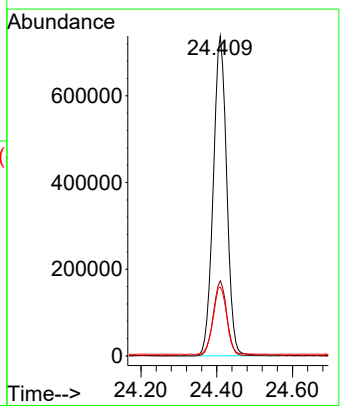
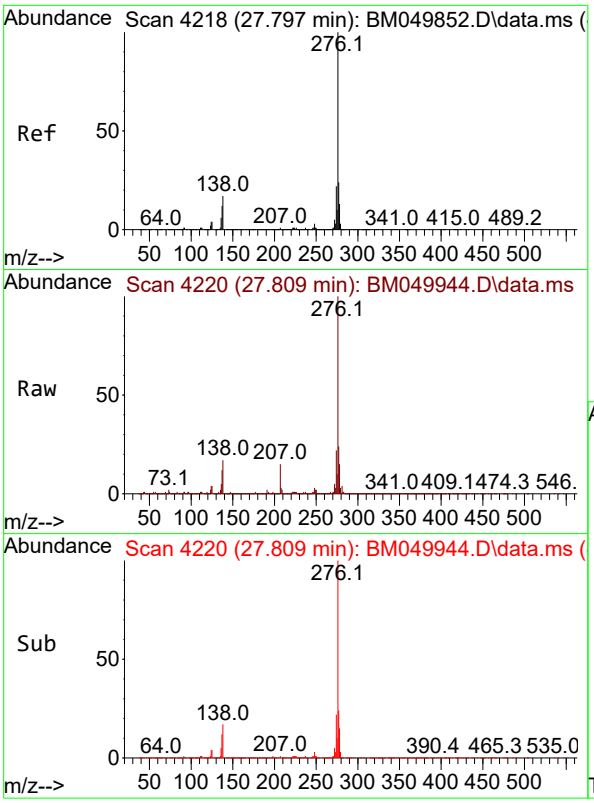


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. 0.000 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:264 Resp: 1819920

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.5	17.8	26.8

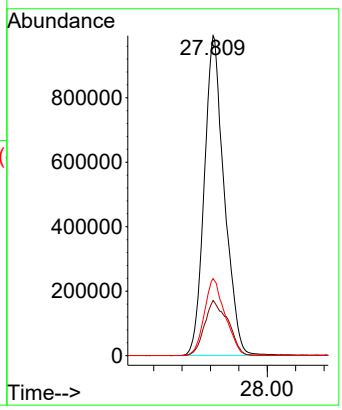




#87
Indeno(1,2,3-cd)pyrene
Concen: 35.731 ng
RT: 27.809 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:276 Resp: 484717

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.8	25.2
277	25.0	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
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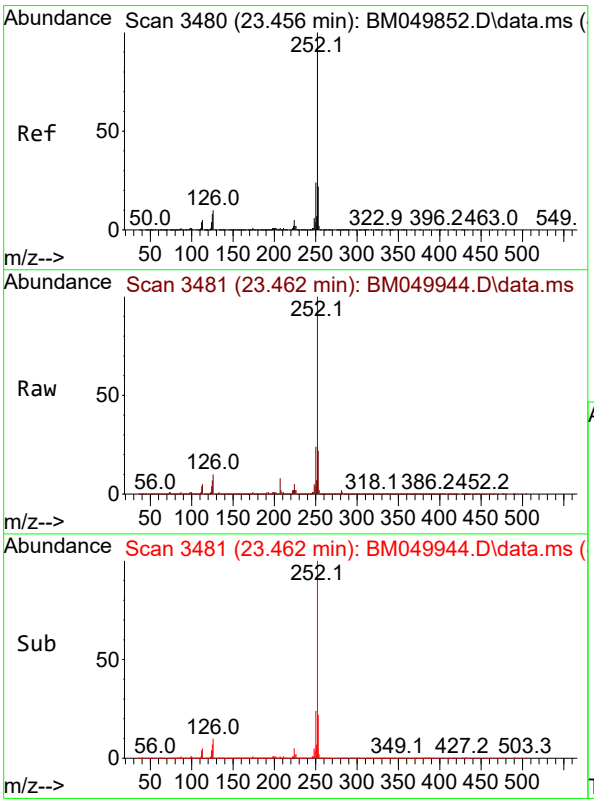
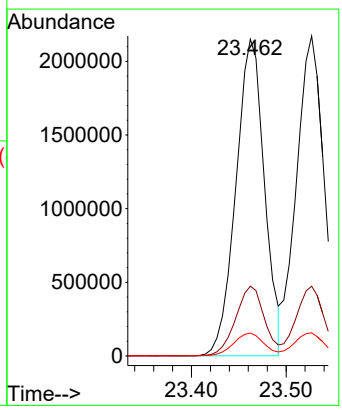
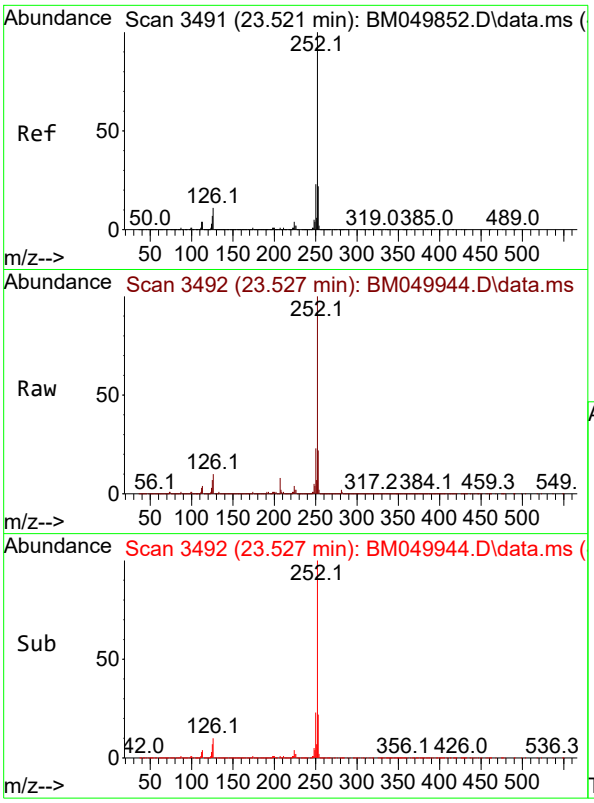


#88
Benzo(b)fluoranthene
Concen: 38.740 ng
RT: 23.462 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:252 Resp: 4502801

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.2	6.2	9.4





#89
Benzo(k)fluoranthene
Concen: 39.210 ng
RT: 23.527 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

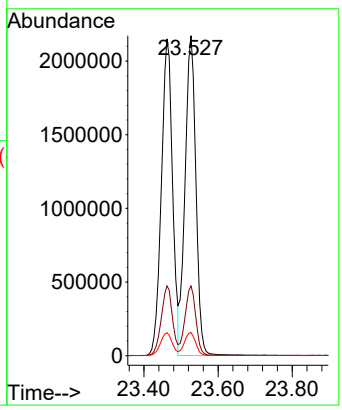
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 4416499

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

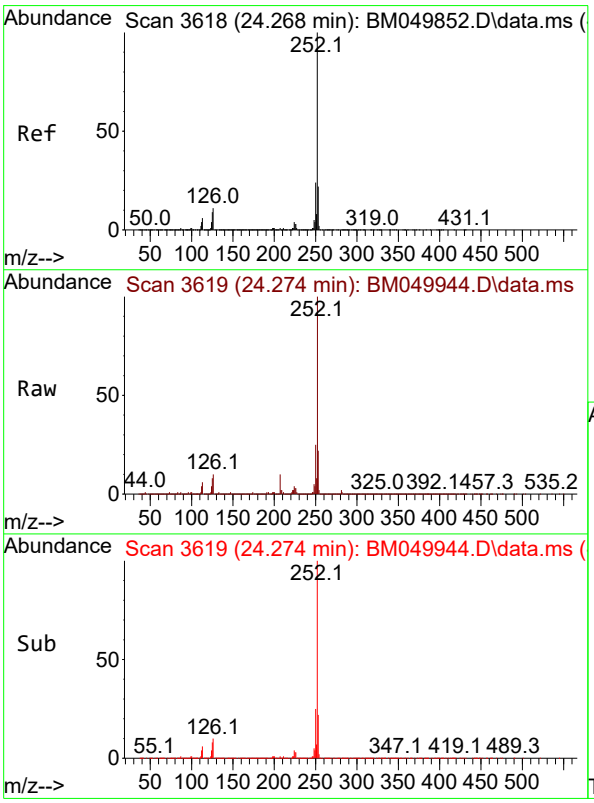
Manual Integrations APPROVED

Reviewed By :Rahul Chavli



04/17/2025
Supervised By :Jagrut Upadhyay

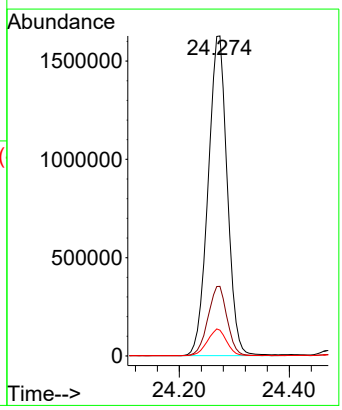
04/17/2025

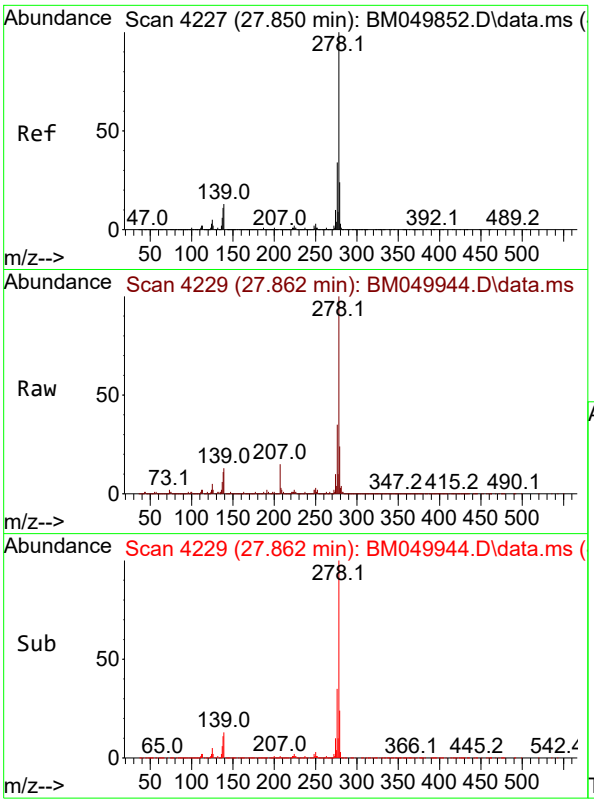


#90
Benzo(a)pyrene
Concen: 38.465 ng
RT: 24.274 min Scan# 3619
Delta R.T. 0.006 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:252 Resp: 3928643

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	8.1	7.0	10.4

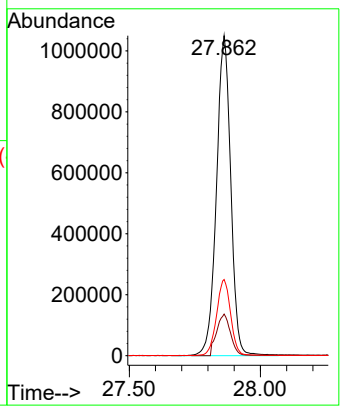




#91
Dibenzo(a,h)anthracene
Concen: 35.570 ng
RT: 27.862 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:278 Resp: 397465

Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.6	15.8
279	23.8	19.1	28.7



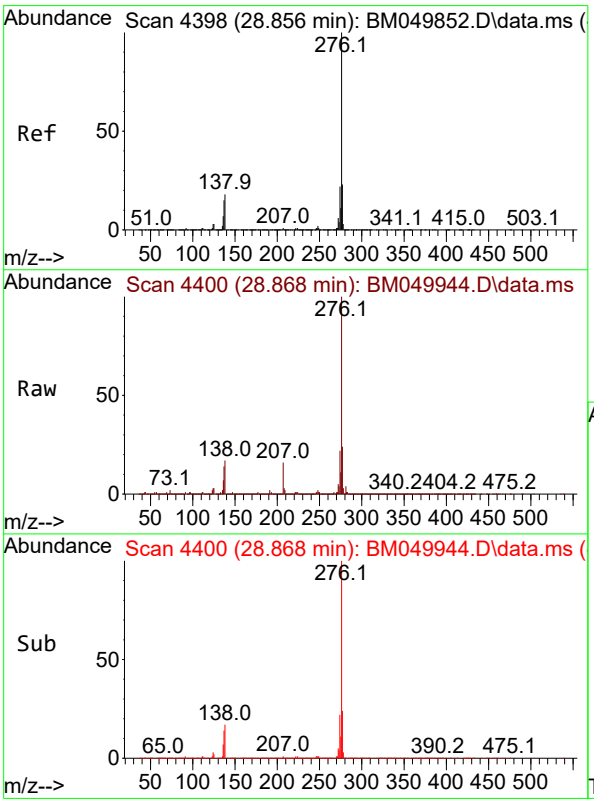
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/17/2025
Supervised By :Jagrut Upadhyay

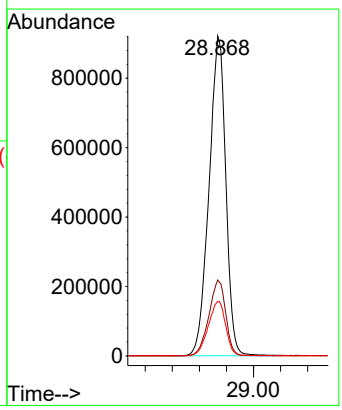
04/17/2025



#92
Benzo(g,h,i)perylene
Concen: 34.628 ng
RT: 28.868 min Scan# 4400
Delta R.T. 0.012 min
Lab File: BM049944.D
Acq: 16 Apr 2025 09:28

Tgt Ion:276 Resp: 3954003

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	17.0	14.6	21.8



Sample Results: **BM049944.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	129	-0.01
2		1,4-Dioxane	0.485	0.447	7.8	118	0.00
3		Pyridine	1.274	1.198	6.0	120	0.00
4		n-Nitrosodimethylamine	0.485	0.473	2.5	125	0.00
5	S	2-Fluorophenol	1.178	1.130	4.1	122	0.00
6		Aniline	1.256	1.179	6.1	115	0.00
7	S	Phenol-d6	1.465	1.430	2.4	124	0.00
8		2-Chlorophenol	1.207	1.170	3.1	124	0.00
9		Benzaldehyde	0.752	1.425	-89.5#	245#	0.00
10	C	Phenol	1.430	1.390	2.8	124	0.00
11		bis(2-Chloroethyl)ether	1.121	1.132	-1.0	129	0.00
12		1,3-Dichlorobenzene	1.427	1.363	4.5	122	0.00
13	C	1,4-Dichlorobenzene	1.436	1.371	4.5	122	-0.01
14		1,2-Dichlorobenzene	1.352	1.297	4.1	122	-0.01
15		Benzyl Alcohol	0.923	0.901	2.4	122	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.250	0.0	127	-0.01
17		2-Methylphenol	0.881	0.869	1.4	126	0.00
18		Hexachloroethane	0.500	0.476	4.8	122	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.823	-1.4	127	0.00
20		3+4-Methylphenols	1.201	1.188	1.1	125	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	132	-0.01
22		Acetophenone	0.486	0.466	4.1	124	0.00
23	S	Nitrobenzene-d5	0.359	0.349	2.8	125	0.00
24		Nitrobenzene	0.346	0.333	3.8	123	0.00
25		Isophorone	0.602	0.598	0.7	128	0.00
26	C	2-Nitrophenol	0.183	0.184	-0.5	129	0.00
27		2,4-Dimethylphenol	0.208	0.207	0.5	128	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.396	1.7	128	-0.01
29	C	2,4-Dichlorophenol	0.345	0.338	2.0	126	0.00
30		1,2,4-Trichlorobenzene	0.399	0.384	3.8	126	0.00
31		Naphthalene	1.028	0.990	3.7	126	0.00
32		Benzoic acid	0.220	0.222	-0.9	128	0.03
33		4-Chloroaniline	0.363	0.343	5.5	119	0.00
34	C	Hexachlorobutadiene	0.247	0.242	2.0	128	-0.01
35		Caprolactam	0.099	0.097	2.0	125	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.302	0.0	129	0.00
37		2-Methylnaphthalene	0.724	0.714	1.4	129	0.00
38		1-Methylnaphthalene	0.705	0.694	1.6	129	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	137	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.678	3.1	131	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.207	15.5	108	-0.01
42	S	2,4,6-Tribromophenol	0.291	0.301	-3.4	140	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.441	0.9	131	0.00
44		2,4,5-Trichlorophenol	0.484	0.481	0.6	131	0.00
45	S	2-Fluorobiphenyl	1.475	1.434	2.8	129	-0.01
46		1,1'-Biphenyl	1.487	1.435	3.5	128	0.00
47		2-Chloronaphthalene	1.169	1.113	4.8	128	0.00

Sample Results: **BM049944.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.270	0.275	-1.9	133	0.00
49		Acenaphthylene	1.702	1.657	2.6	130	0.00
50		Dimethylphthalate	1.411	1.396	1.1	133	0.00
51		2,6-Dinitrotoluene	0.296	0.304	-2.7	134	0.00
52	C	Acenaphthene	1.083	1.048	3.2	129	0.00
53		3-Nitroaniline	0.286	0.287	-0.3	127	0.00
54	P	2,4-Dinitrophenol	0.175	0.173	1.1	129	0.00
55		Dibenzofuran	1.810	1.768	2.3	131	0.00
56	P	4-Nitrophenol	0.255	0.247	3.1	125	0.02
57		2,4-Dinitrotoluene	0.394	0.416	-5.6	135	0.00
58		Fluorene	1.439	1.410	2.0	130	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.416	1.9	133	0.00
60		Diethylphthalate	1.353	1.343	0.7	132	0.00
61		4-Chlorophenyl-phenylether	0.771	0.772	-0.1	134	-0.01
62		4-Nitroaniline	0.295	0.296	-0.3	127	0.00
63		Azobenzene	1.158	1.133	2.2	129	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	142	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.121	4.0	131	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.573	4.3	132	0.00
67		4-Bromophenyl-phenylether	0.232	0.231	0.4	138	0.00
68		Hexachlorobenzene	0.266	0.264	0.8	138	0.00
69		Atrazine	0.155	0.191	-23.2	210#	0.00
70	C	Pentachlorophenol	0.196	0.179	8.7	125	0.00
71		Phenanthrene	1.096	1.053	3.9	132	0.00
72		Anthracene	1.081	1.050	2.9	133	0.00
73		Carbazole	1.018	0.972	4.5	131	0.00
74		Di-n-butylphthalate	1.172	1.152	1.7	135	0.00
75	C	Fluoranthene	1.348	1.334	1.0	137	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	139	0.00
77		Benzidine	0.265	0.193	27.2#	67	0.00
78		Pyrene	1.378	1.390	-0.9	137	0.00
79	S	Terphenyl-d14	1.067	1.150	-7.8	134	0.00
80		Butylbenzylphthalate	0.518	0.514	0.8	133	0.00
81		Benzo(a)anthracene	1.329	1.294	2.6	132	0.00
82		3,3'-Dichlorobenzidine	0.502	0.446	11.2	118	0.00
83		Chrysene	1.264	1.209	4.4	130	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.731	3.2	129	0.00
85	c	Di-n-octyl phthalate	1.320	1.247	5.5	127	0.00
86	I	Perylene-d12	1.000	1.000	0.0	132	0.00
87		Indeno(1,2,3-cd)pyrene	1.491	1.332	10.7	116	0.01
88		Benzo(b)fluoranthene	1.277	1.237	3.1	124	0.00
89		Benzo(k)fluoranthene	1.238	1.213	2.0	129	0.00
90	C	Benzo(a)pyrene	1.122	1.079	3.8	126	0.00
91		Dibenzo(a,h)anthracene	1.228	1.092	11.1	115	0.01
92		Benzo(g,h,i)perylene	1.255	1.086	13.5	113	0.01

Sample Results: **BM049944.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM049944.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	129	-0.01
2		1,4-Dioxane	40.000	36.854	7.9	118	0.00
3		Pyridine	40.000	37.599	6.0	120	0.00
4		n-Nitrosodimethylamine	40.000	39.002	2.5	125	0.00
5	S	2-Fluorophenol	80.000	76.739	4.1	122	0.00
6		Aniline	40.000	37.558	6.1	115	0.00
7	S	Phenol-d6	80.000	78.075	2.4	124	0.00
8		2-Chlorophenol	40.000	38.776	3.1	124	0.00
9		Benzaldehyde	40.000	75.788	-89.5#	245	0.00
10	C	Phenol	40.000	38.884	2.8	124	0.00
11		bis(2-Chloroethyl)ether	40.000	40.360	-0.9	129	0.00
12		1,3-Dichlorobenzene	40.000	38.201	4.5	122	0.00
13	C	1,4-Dichlorobenzene	40.000	38.185	4.5	122	-0.01
14		1,2-Dichlorobenzene	40.000	38.369	4.1	122	-0.01
15		Benzyl Alcohol	40.000	39.069	2.3	122	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.002	-0.0	127	-0.01
17		2-Methylphenol	40.000	39.458	1.4	126	0.00
18		Hexachloroethane	40.000	38.106	4.7	122	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.546	-1.4	127	0.00
20		3+4-Methylphenols	40.000	39.547	1.1	125	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	132	-0.01
22		Acetophenone	40.000	38.355	4.1	124	0.00
23	S	Nitrobenzene-d5	80.000	77.663	2.9	125	0.00
24		Nitrobenzene	40.000	38.492	3.8	123	0.00
25		Isophorone	40.000	39.753	0.6	128	0.00
26	C	2-Nitrophenol	40.000	40.220	-0.5	129	0.00
27		2,4-Dimethylphenol	40.000	39.852	0.4	128	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.316	1.7	128	-0.01
29	C	2,4-Dichlorophenol	40.000	39.098	2.3	126	0.00
30		1,2,4-Trichlorobenzene	40.000	38.471	3.8	126	0.00
31		Naphthalene	40.000	38.523	3.7	126	0.00
32		Benzoic acid	40.000	36.945	7.6	128	0.03
33		4-Chloroaniline	40.000	37.818	5.5	119	0.00
34	C	Hexachlorobutadiene	40.000	39.111	2.2	128	-0.01
35		Caprolactam	40.000	38.995	2.5	125	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.002	-0.0	129	0.00
37		2-Methylnaphthalene	40.000	39.424	1.4	129	0.00
38		1-Methylnaphthalene	40.000	39.345	1.6	129	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	137	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.787	3.0	131	0.00
41	P	Hexachlorocyclopentadiene	40.000	33.823	15.4	108	-0.01
42	S	2,4,6-Tribromophenol	80.000	82.697	-3.4	140	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.655	0.9	131	0.00
44		2,4,5-Trichlorophenol	40.000	39.765	0.6	131	0.00
45	S	2-Fluorobiphenyl	80.000	77.764	2.8	129	-0.01
46		1,1'-Biphenyl	40.000	38.598	3.5	128	0.00
47		2-Chloronaphthalene	40.000	38.094	4.8	128	0.00

Sample Results: **BM049944.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.684	-1.7	133	0.00
49		Acenaphthylene	40.000	38.940	2.7	130	0.00
50		Dimethylphthalate	40.000	39.579	1.1	133	0.00
51		2,6-Dinitrotoluene	40.000	41.181	-3.0	134	0.00
52	C	Acenaphthene	40.000	38.725	3.2	129	0.00
53		3-Nitroaniline	40.000	40.132	-0.3	127	0.00
54	P	2,4-Dinitrophenol	40.000	36.577	8.6	129	0.00
55		Dibenzofuran	40.000	39.083	2.3	131	0.00
56	P	4-Nitrophenol	40.000	38.745	3.1	125	0.02
57		2,4-Dinitrotoluene	40.000	42.170	-5.4	135	0.00
58		Fluorene	40.000	39.204	2.0	130	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.214	2.0	133	0.00
60		Diethylphthalate	40.000	39.691	0.8	132	0.00
61		4-Chlorophenyl-phenylether	40.000	40.047	-0.1	134	-0.01
62		4-Nitroaniline	40.000	40.029	-0.1	127	0.00
63		Azobenzene	40.000	39.117	2.2	129	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	142	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.495	3.8	131	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.275	4.3	132	0.00
67		4-Bromophenyl-phenylether	40.000	39.773	0.6	138	0.00
68		Hexachlorobenzene	40.000	39.686	0.8	138	0.00
69		Atrazine	40.000	49.332	-23.3	210	0.00
70	C	Pentachlorophenol	40.000	36.589	8.5	125	0.00
71		Phenanthrene	40.000	38.409	4.0	132	0.00
72		Anthracene	40.000	38.877	2.8	133	0.00
73		Carbazole	40.000	38.190	4.5	131	0.00
74		Di-n-butylphthalate	40.000	39.317	1.7	135	0.00
75	C	Fluoranthene	40.000	39.581	1.0	137	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	139	0.00
77		Benzidine	40.000	29.159	27.1#	67	0.00
78		Pyrene	40.000	40.327	-0.8	137	0.00
79	S	Terphenyl-d14	80.000	86.236	-7.8	134	0.00
80		Butylbenzylphthalate	40.000	39.697	0.8	133	0.00
81		Benzo(a)anthracene	40.000	38.937	2.7	132	0.00
82		3,3'-Dichlorobenzidine	40.000	35.538	11.2	118	0.00
83		Chrysene	40.000	38.260	4.4	130	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.755	3.1	129	0.00
85	c	Di-n-octyl phthalate	40.000	37.790	5.5	127	0.00
86	I	Perylene-d12	20.000	20.000	0.0	132	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	35.731	10.7	116	0.01
88		Benzo(b)fluoranthene	40.000	38.740	3.1	124	0.00
89		Benzo(k)fluoranthene	40.000	39.210	2.0	129	0.00
90	C	Benzo(a)pyrene	40.000	38.465	3.8	126	0.00
91		Dibenzo(a,h)anthracene	40.000	35.570	11.1	115	0.01
92		Benzo(g,h,i)perylene	40.000	34.628	13.4	113	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049944.D
Acq On : 16 Apr 2025 09:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 16 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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

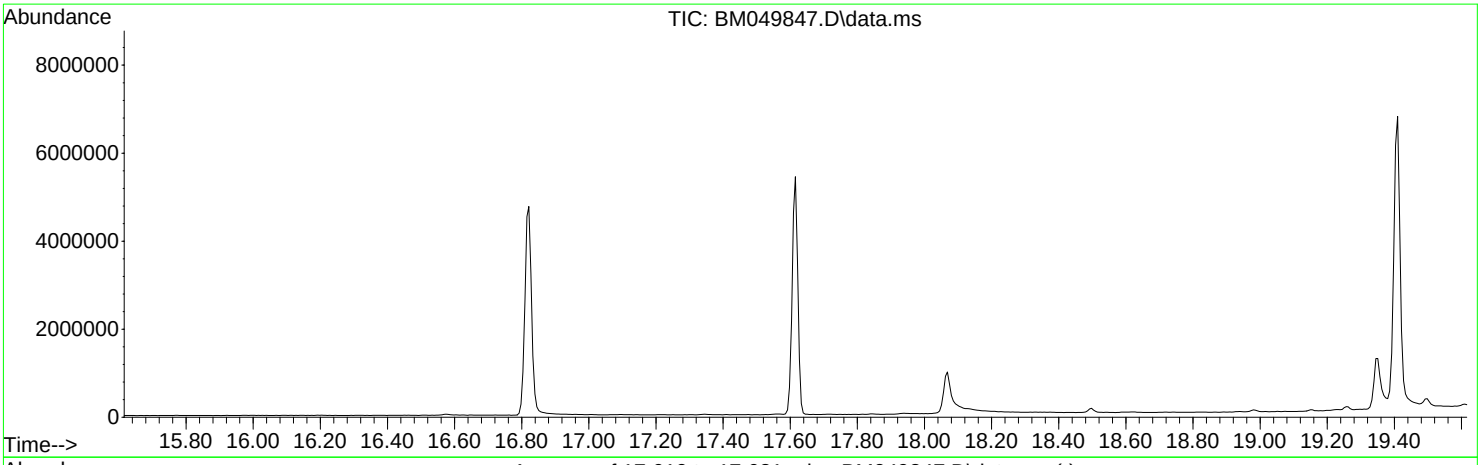
Sample Results: **BM049847.D**

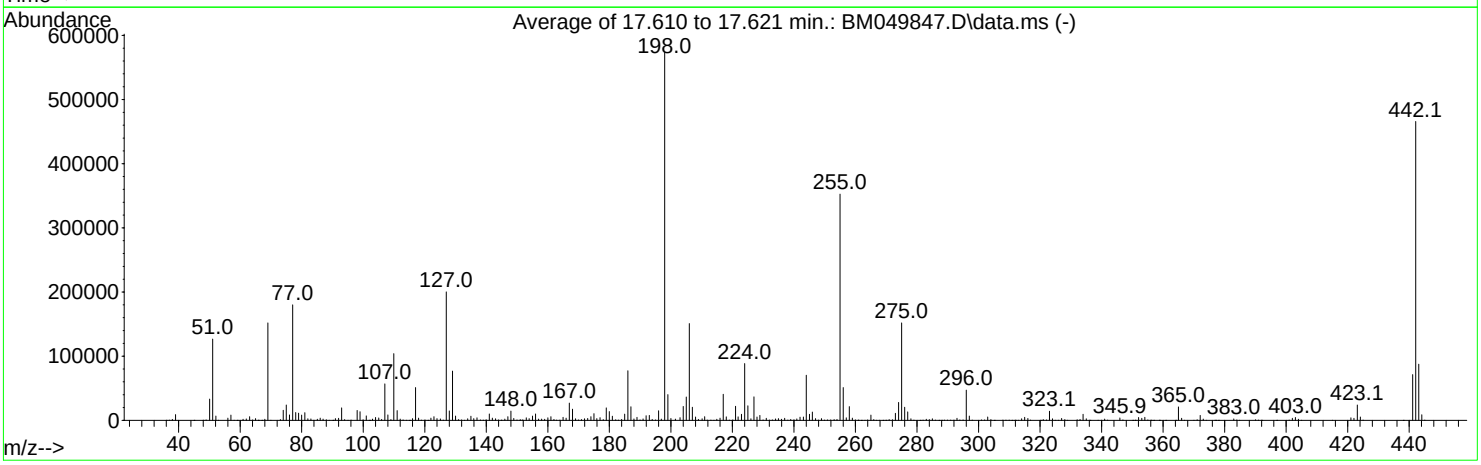
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025





AutoFind: Scans 2486, 2487, 2488; Background Corrected with Scan 2479

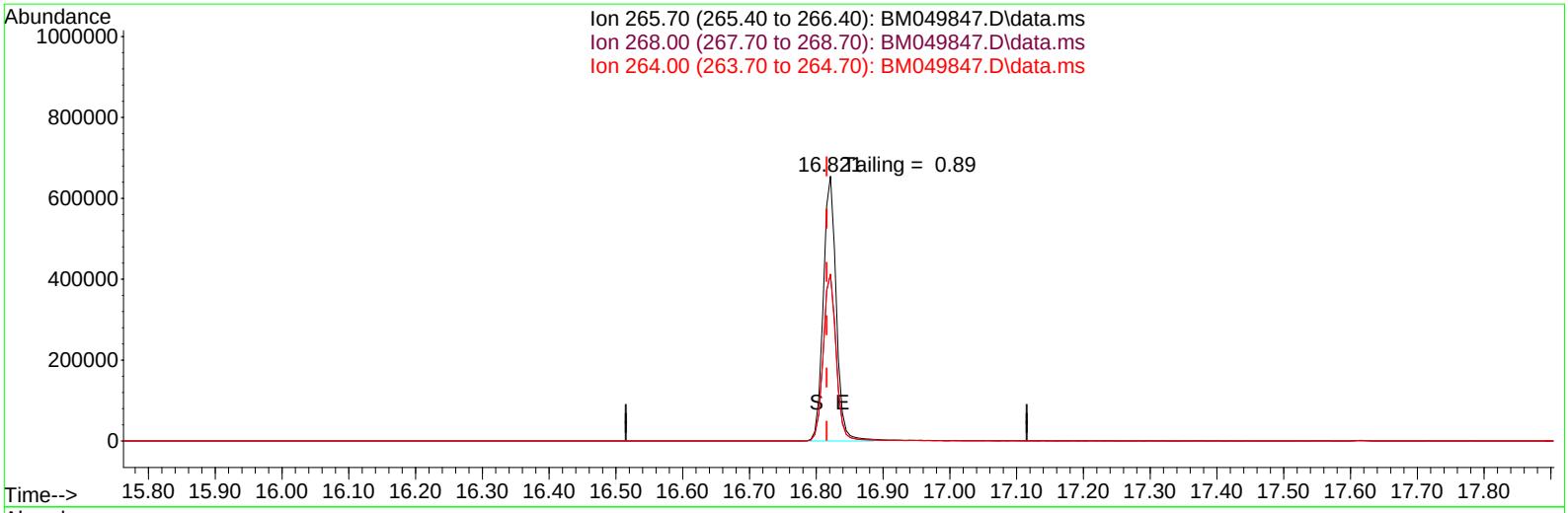
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.1	126723	PASS
68	69	0.00	2	1.2	1886	PASS
69	198	0.00	100	26.5	151989	PASS
70	69	0.00	2	0.3	382	PASS
127	198	10	80	34.9	200277	PASS
197	198	0.00	2	0.4	2141	PASS
198	198	100	100	100.0	573312	PASS
199	198	5	9	7.0	40037	PASS
275	198	10	60	26.5	151747	PASS
365	198	1	100	3.7	21032	PASS
441	198	0.01	100	12.4	71269	PASS
442	442	50	100	100.0	465813	PASS
443	442	15	24	18.8	87675	PASS

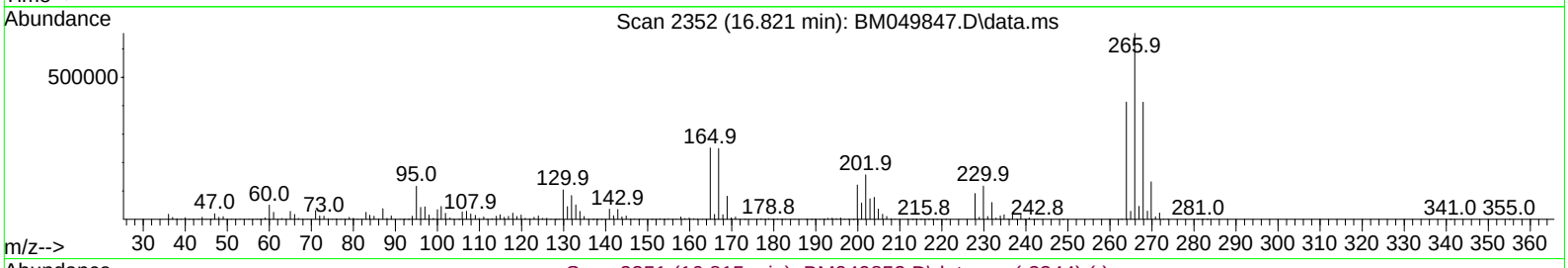
Sample Results: **BM049847.D**

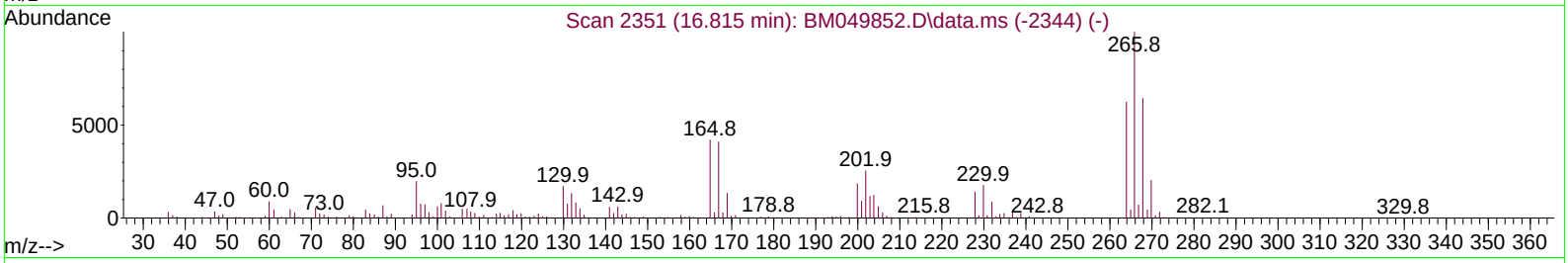
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 230006.58 ng m

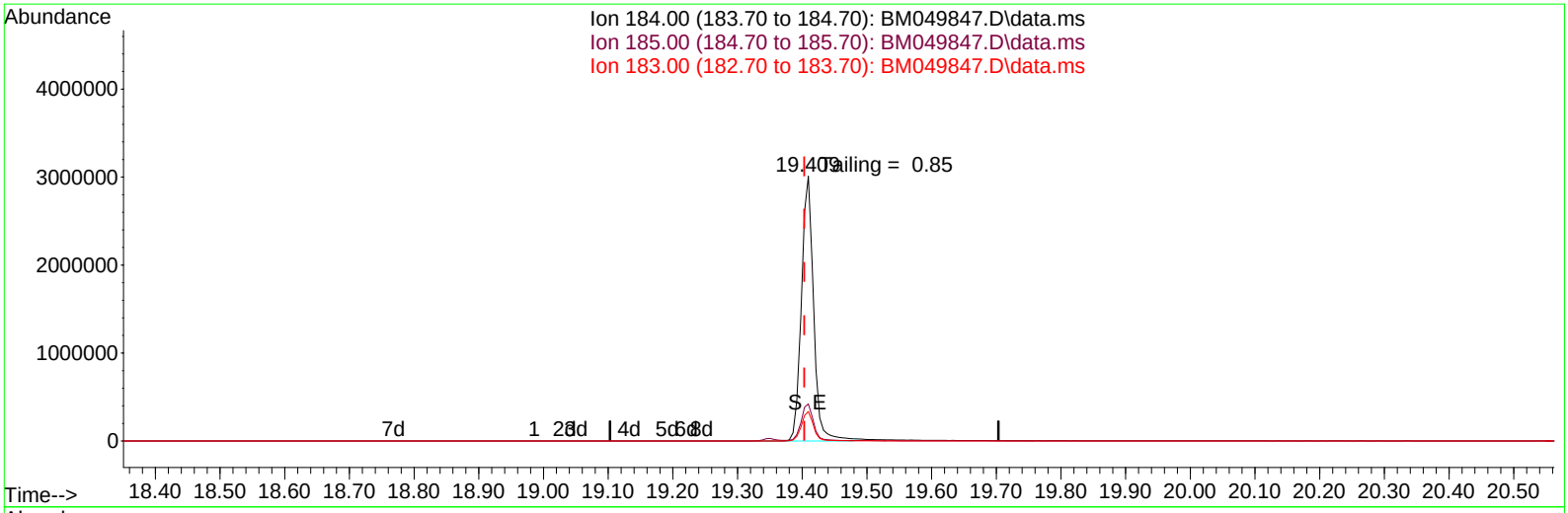
response 888392

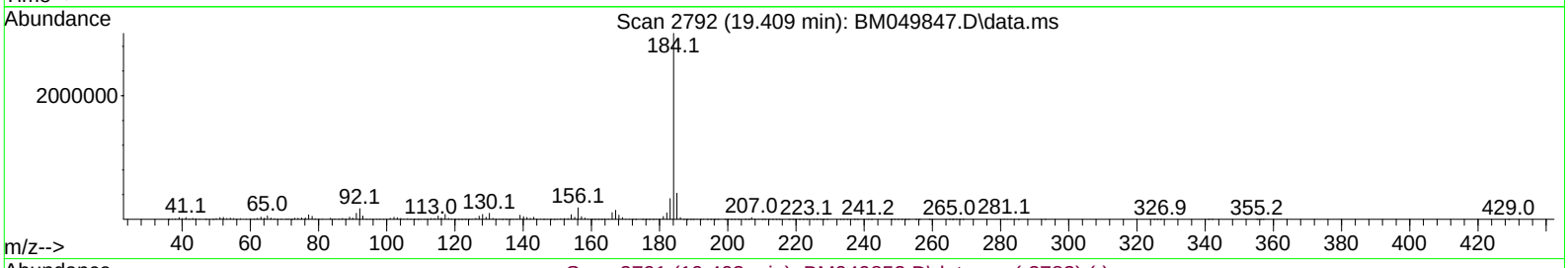
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	62.99
264.00	62.30	63.04
0.00	0.00	0.00

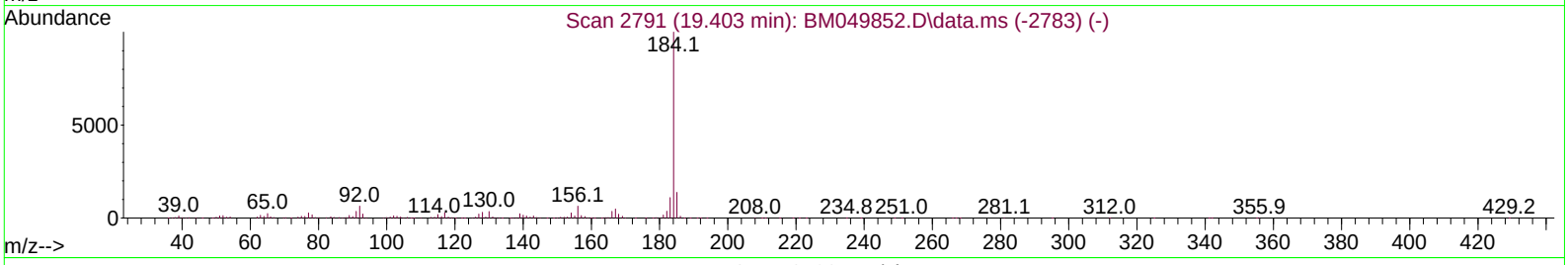
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(77) Benzidine

19.409min (+ 0.006) 842986.98 ng m

response 4014847

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.02
183.00	11.00	11.14
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/8/2025	BNA_M	BM049847.D
Compound Name	**Response**	**Retention Time**
DDT	1953764	20.645
DDD	24016	20.262
DDE	1854	19.704
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25870	1979634	1.31

Instrument :
BNA_M
ClientSampleId :
DFTPP

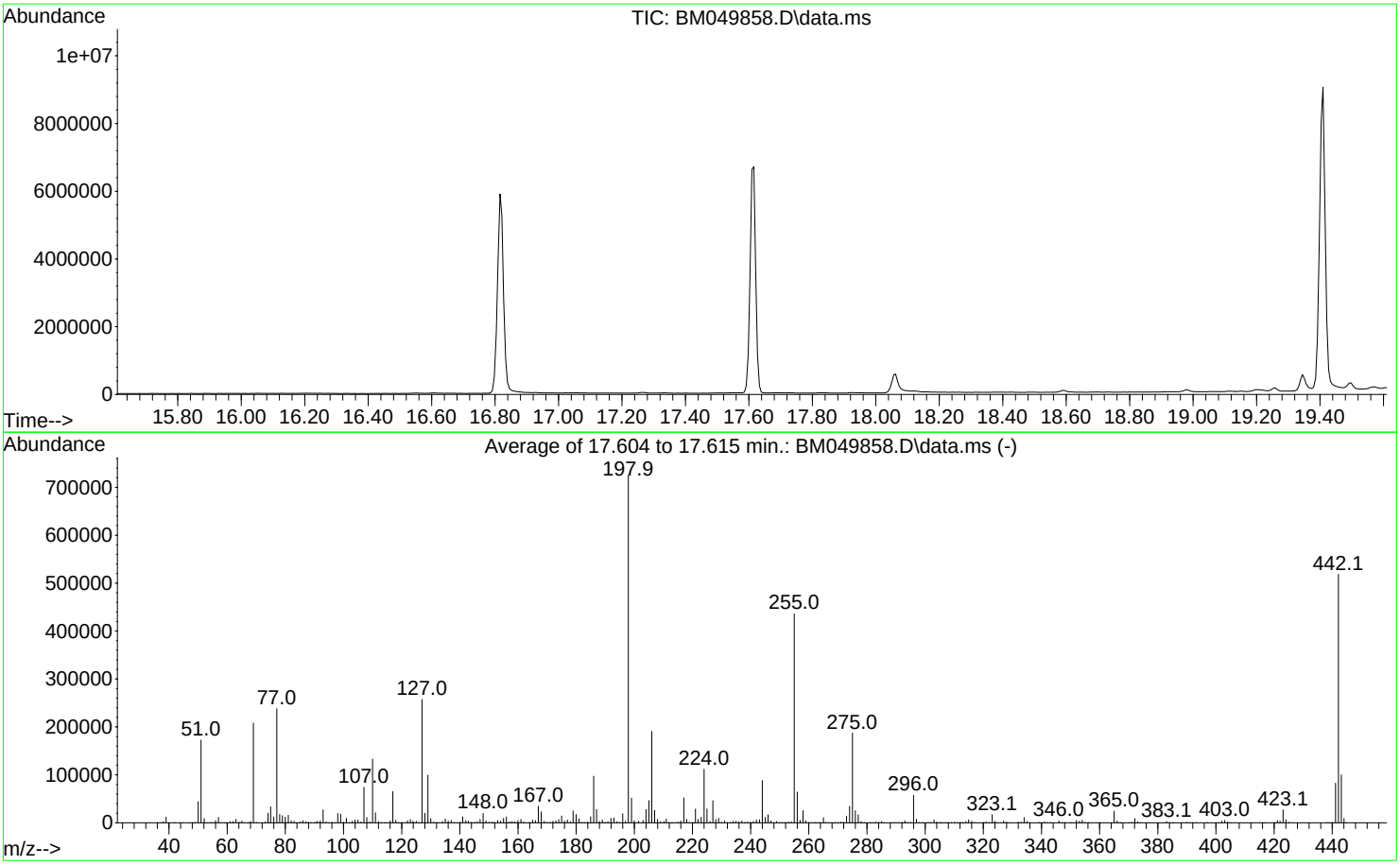
Sample Results: **BM049858.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049858.D
Acq On : 09 Apr 2025 08:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025



AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2478

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.8	172767	PASS
68	69	0.00	2	1.4	2844	PASS
69	198	0.00	100	28.7	208079	PASS
70	69	0.00	2	0.5	979	PASS
127	198	10	80	35.4	257109	PASS
197	198	0.00	2	0.4	2927	PASS
198	198	100	100	100.0	725525	PASS
199	198	5	9	7.1	51557	PASS
275	198	10	60	25.8	187432	PASS
365	198	1	100	3.4	24319	PASS
441	198	0.01	100	11.4	82643	PASS
442	442	50	100	100.0	518613	PASS
443	442	15	24	19.3	100059	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/9/2025	BNA_M	BM049858.D
Compound Name	**Response**	**Retention Time**
DDT	2465394	20.645
DDD	31585	20.262
DDE	2023	19.698
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
33608	2499002	1.34

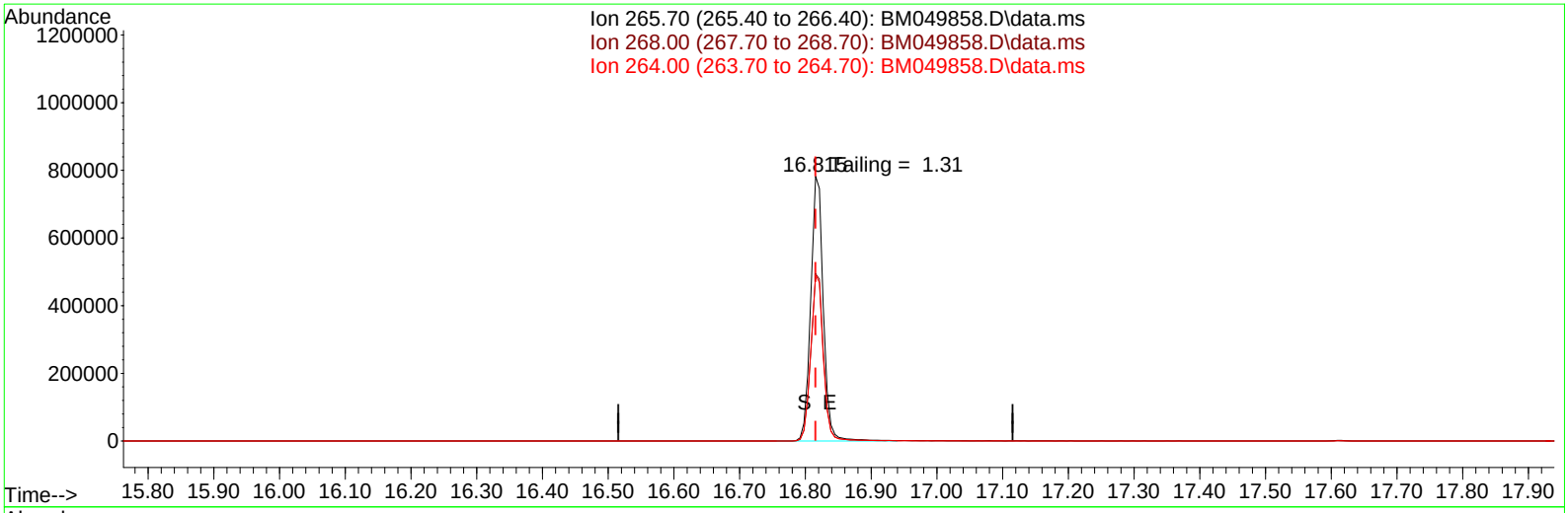
Instrument :
BNA_M
ClientSampleId :
DFTPP

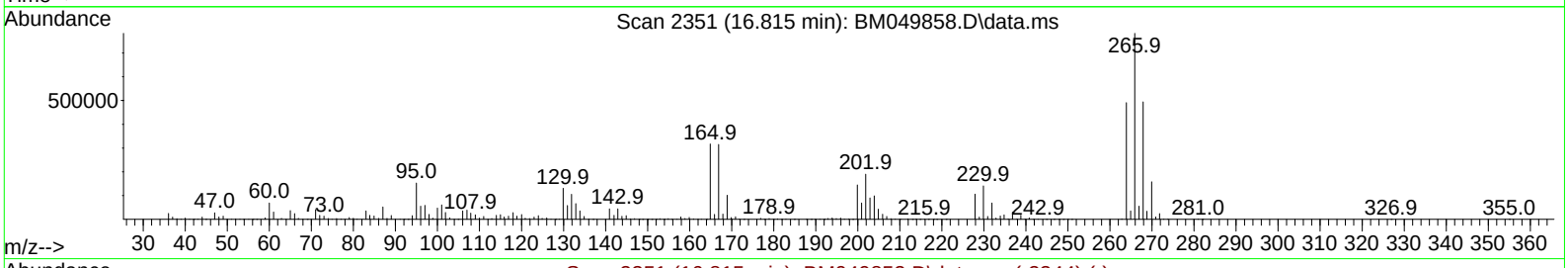
Sample Results: **BM049858.D**

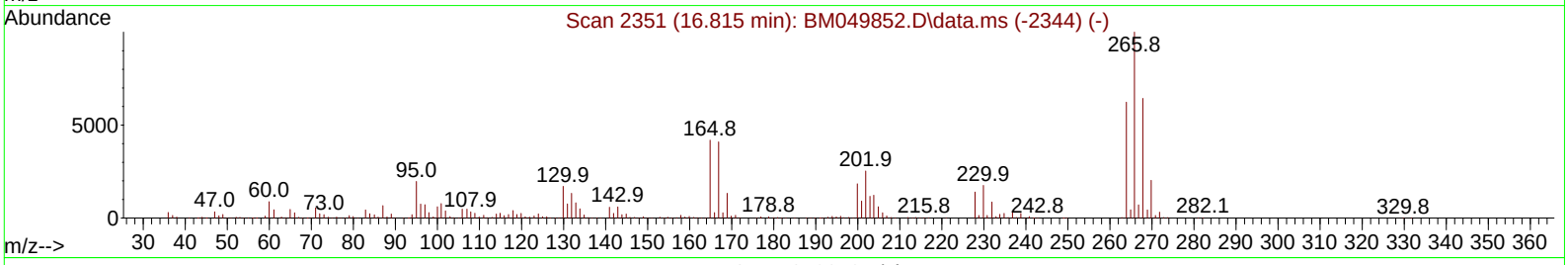
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049858.D
Acq On : 09 Apr 2025 08:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 11:47:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049858.D\data.ms

(70) Pentachlorophenol (C)

16.815min (-0.000) 710298.89 ng

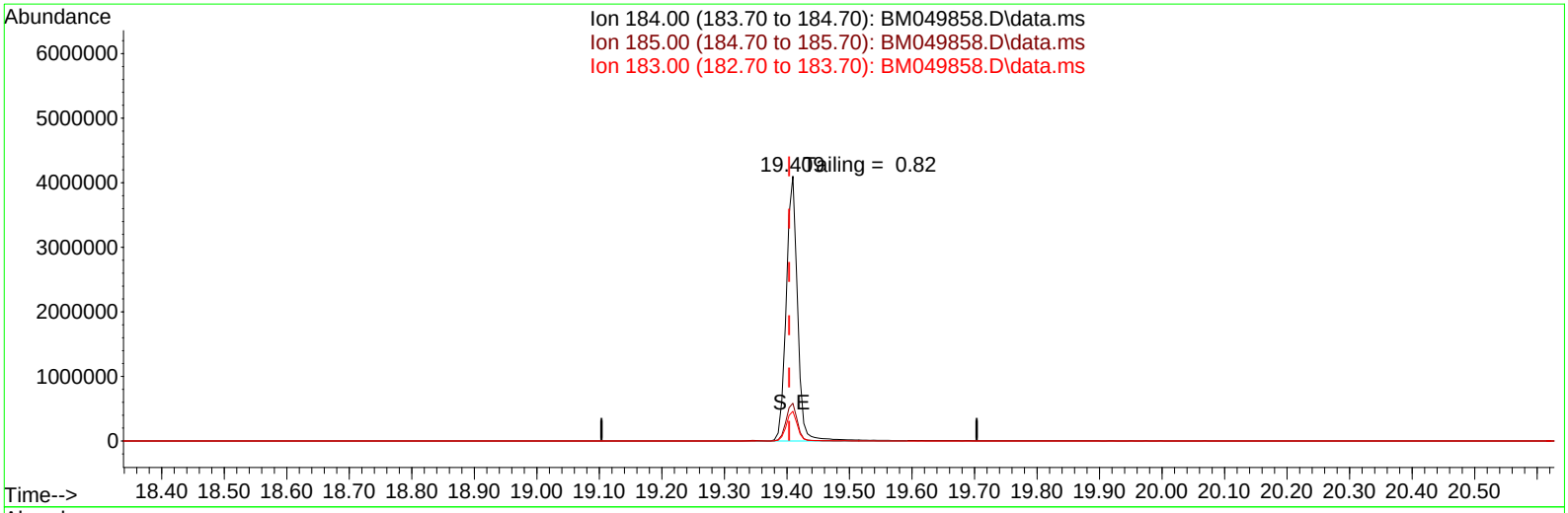
response 1044481

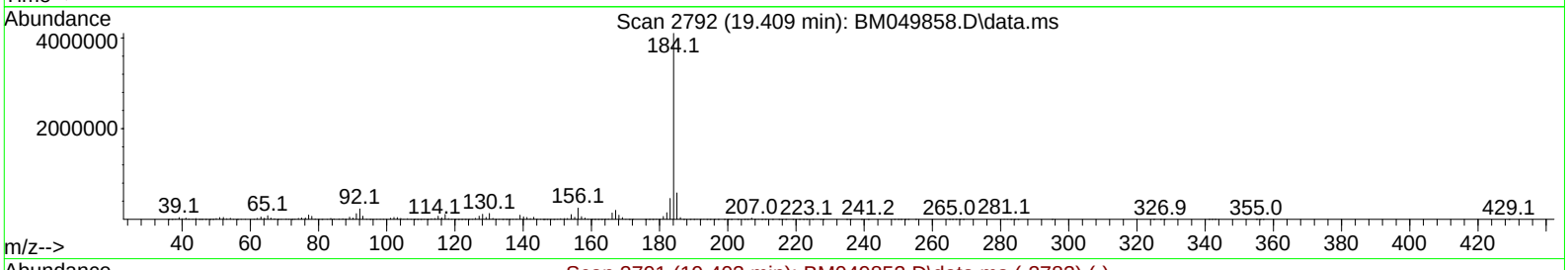
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	63.17
264.00	62.30	62.77
0.00	0.00	0.00

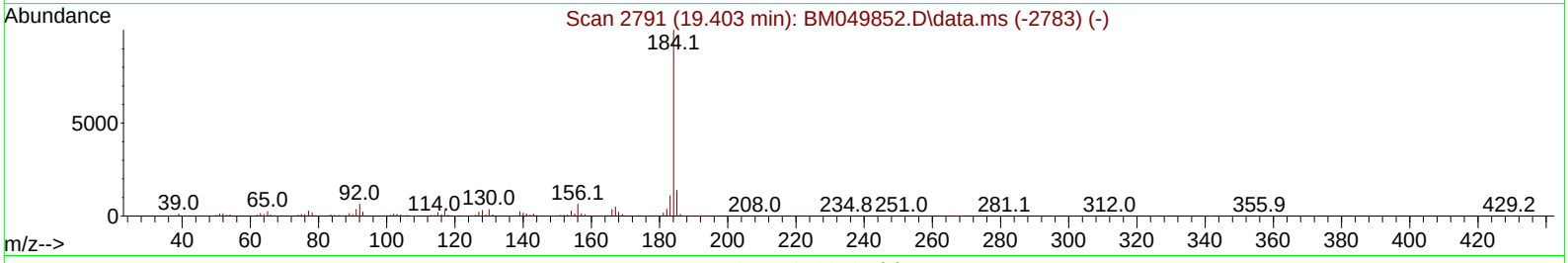
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049858.D
Acq On : 09 Apr 2025 08:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 11:47:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049858.D\data.ms

(77) Benzidine

19.409min (+ 0.006) 7036.51 ng

response 5211317

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.26
183.00	11.00	11.25
0.00	0.00	0.00

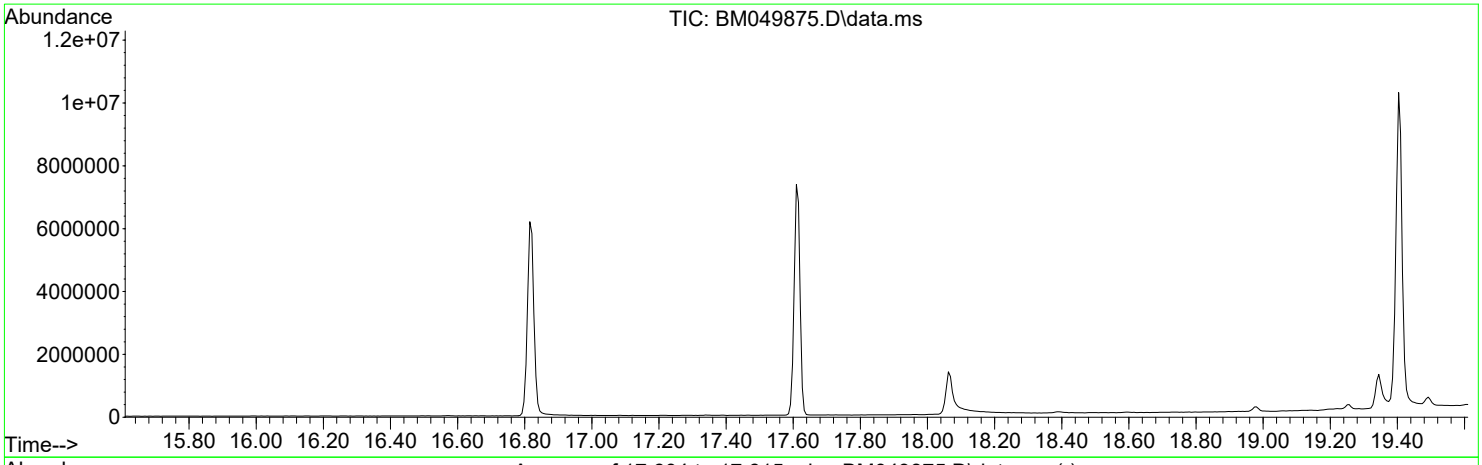
Sample Results: **BM049875.D**

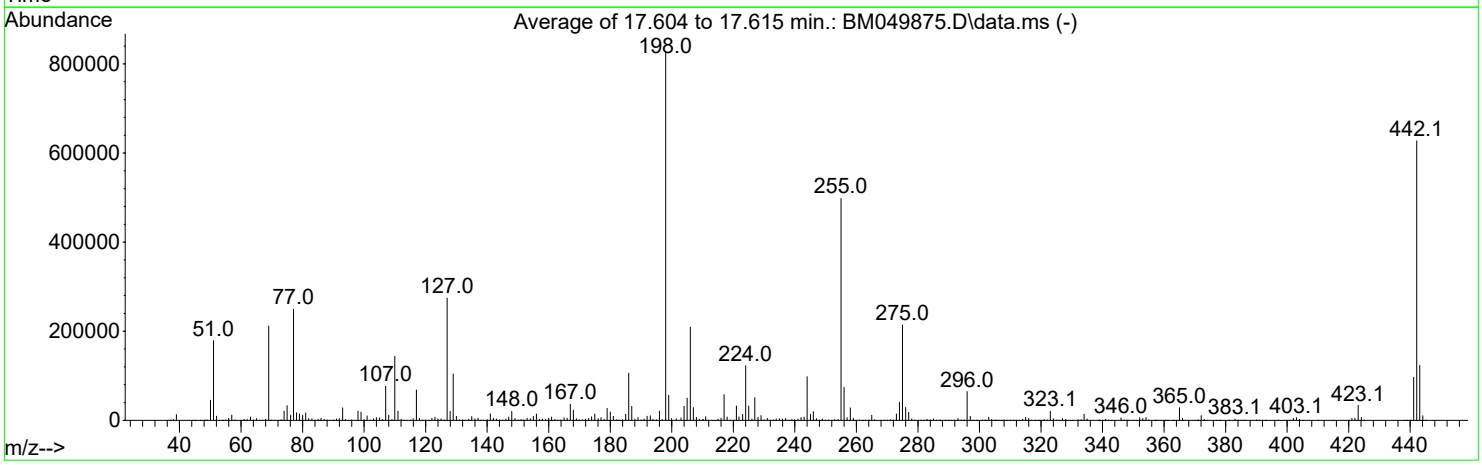
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049875.D
Acq On : 10 Apr 2025 08:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025





AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2478

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.6	178667	PASS
68	69	0.00	2	1.4	2914	PASS
69	198	0.00	100	25.7	212021	PASS
70	69	0.00	2	0.5	1019	PASS
127	198	10	80	33.2	274475	PASS
197	198	0.00	2	0.2	1888	PASS
198	198	100	100	100.0	825515	PASS
199	198	5	9	6.8	56387	PASS
275	198	10	60	25.9	214123	PASS
365	198	1	100	3.4	28392	PASS
441	198	0.01	100	11.7	96741	PASS
442	442	50	100	100.0	627136	PASS
443	442	15	24	19.7	123464	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/10/2025	BNA_M	BM049875.D
Compound Name	**Response**	**Retention Time**
DDT	2746524	20.644
DDD	35768	20.256
DDE	2756	19.698
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
38524	2785048	1.38

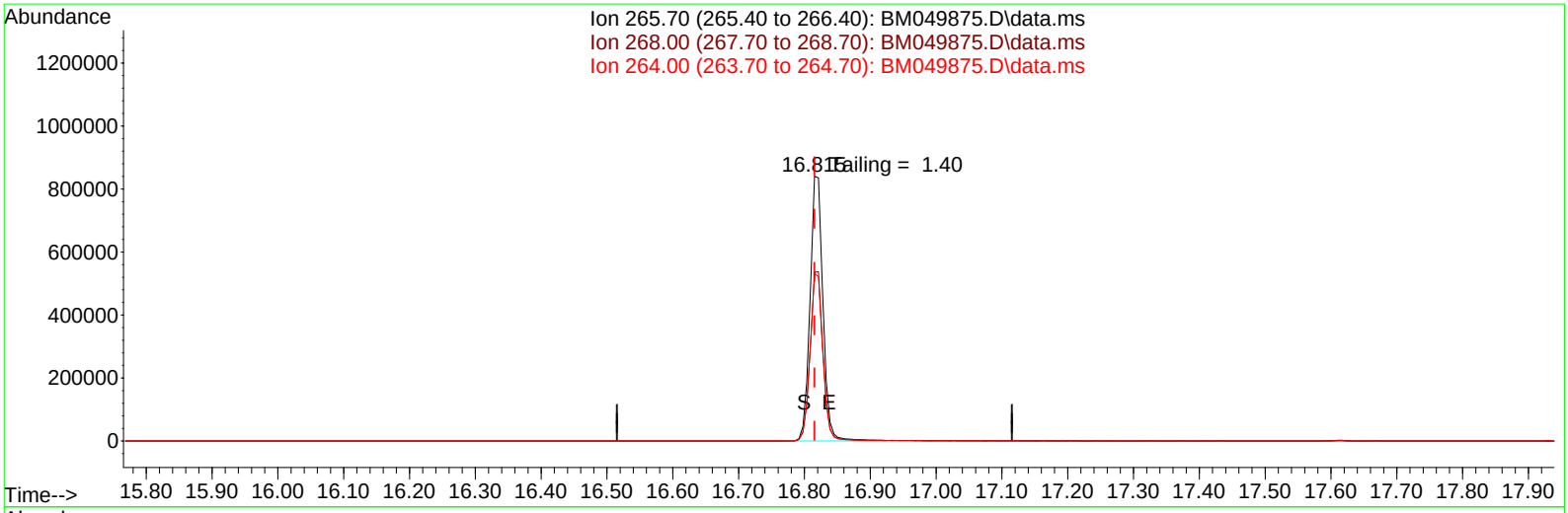
Instrument :
BNA_M
ClientSampleId :
DFTPP

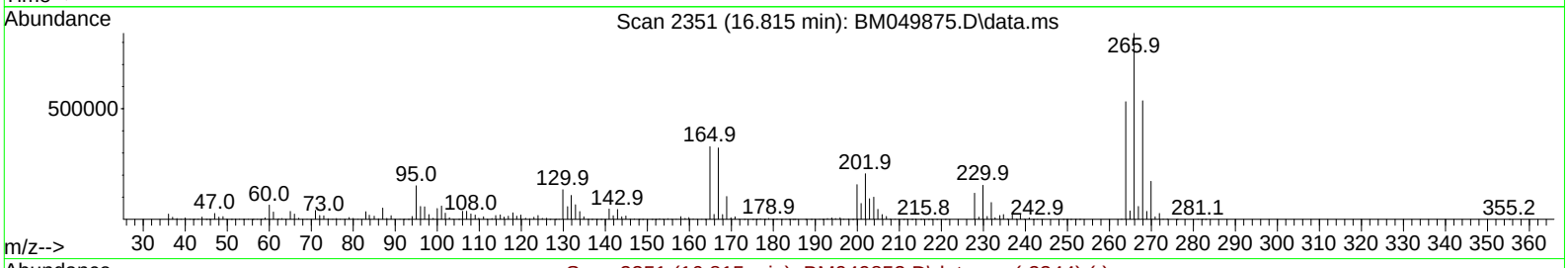
Sample Results: **BM049875.D**

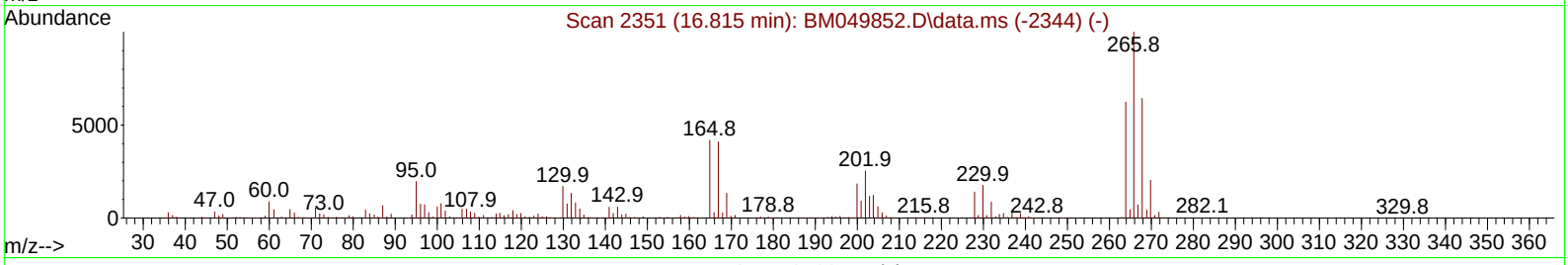
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049875.D
Acq On : 10 Apr 2025 08:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 10 12:01:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049875.D\data.ms

(70) Pentachlorophenol (C)

16.815min (-0.000) 211954.15 ng

response 1151118

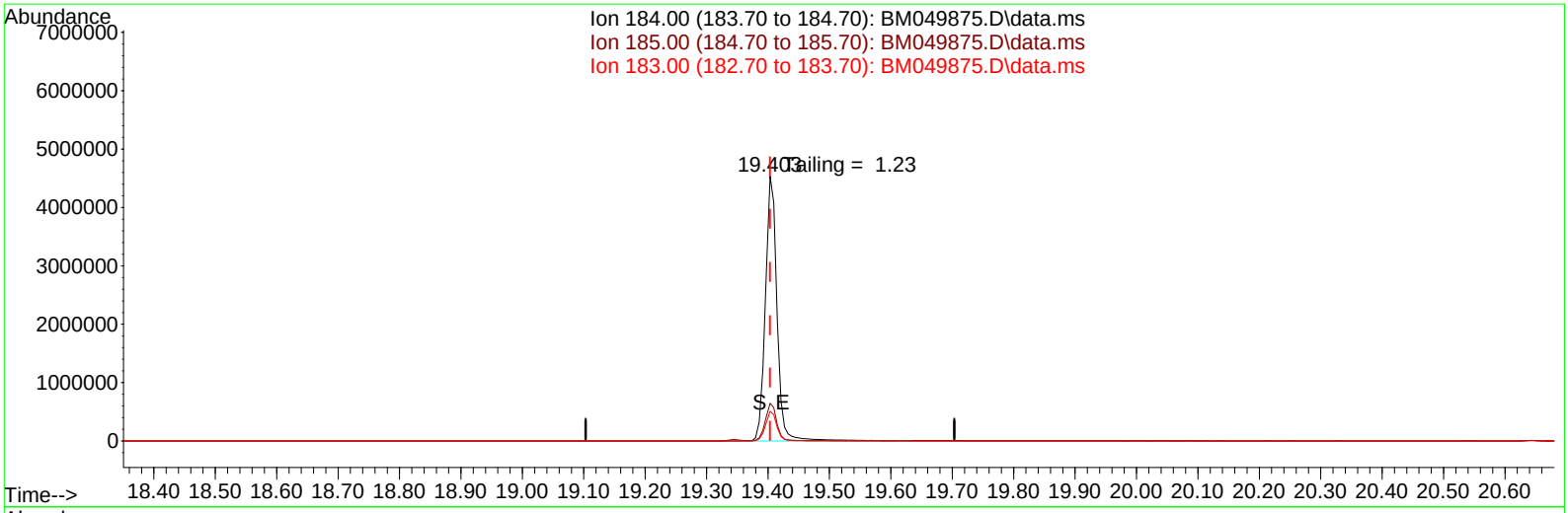
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	63.75
264.00	62.30	63.28
0.00	0.00	0.00

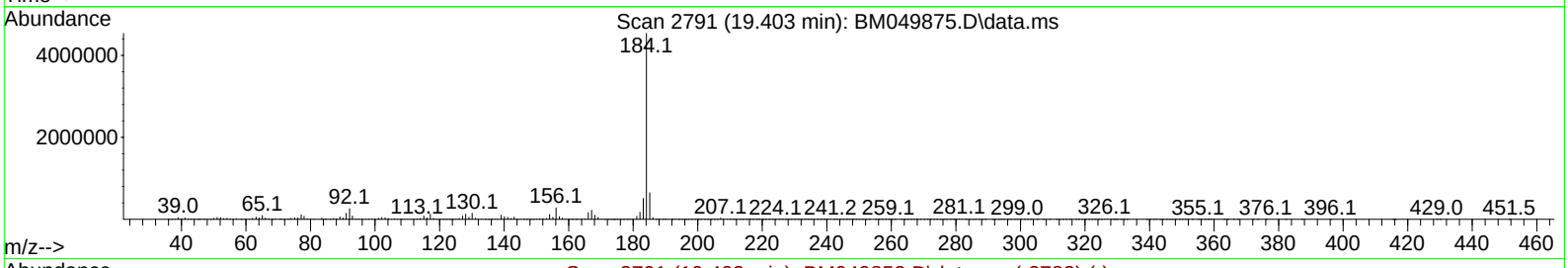
Sample Results: **BM049875.D**

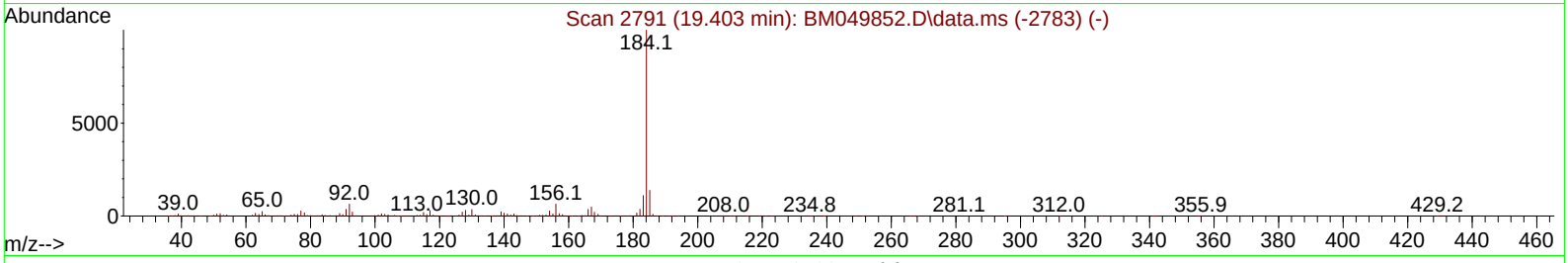
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049875.D
Acq On : 10 Apr 2025 08:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 10 12:01:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049875.D\data.ms

(77) Benzidine

19.403min (-0.000) 194071.13 ng

response 5998885

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.29
183.00	11.00	11.22
0.00	0.00	0.00

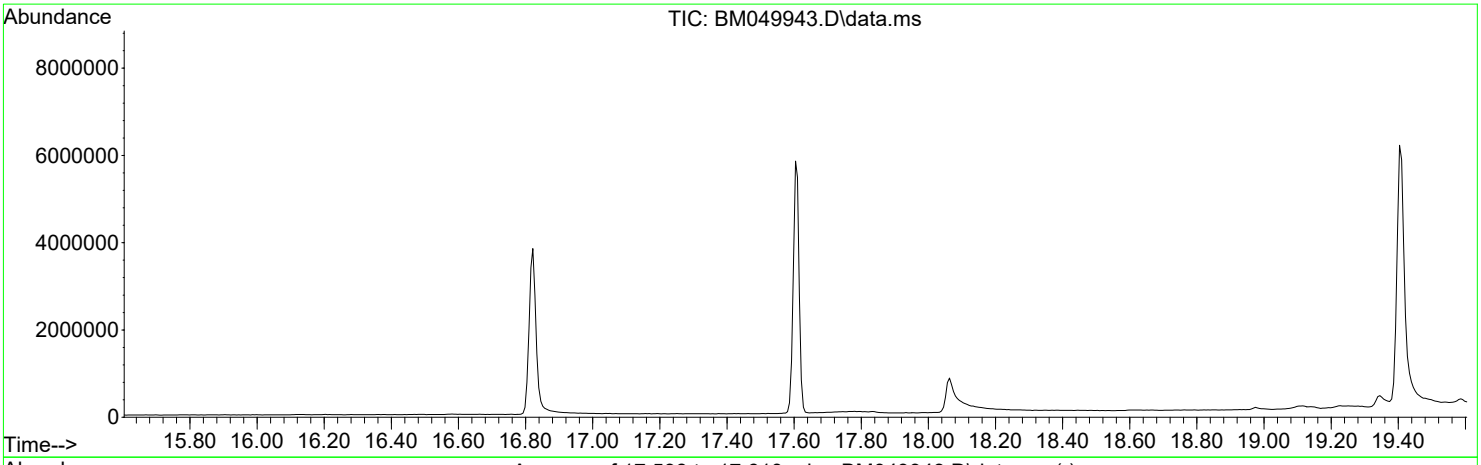
Sample Results: **BM049943.D**

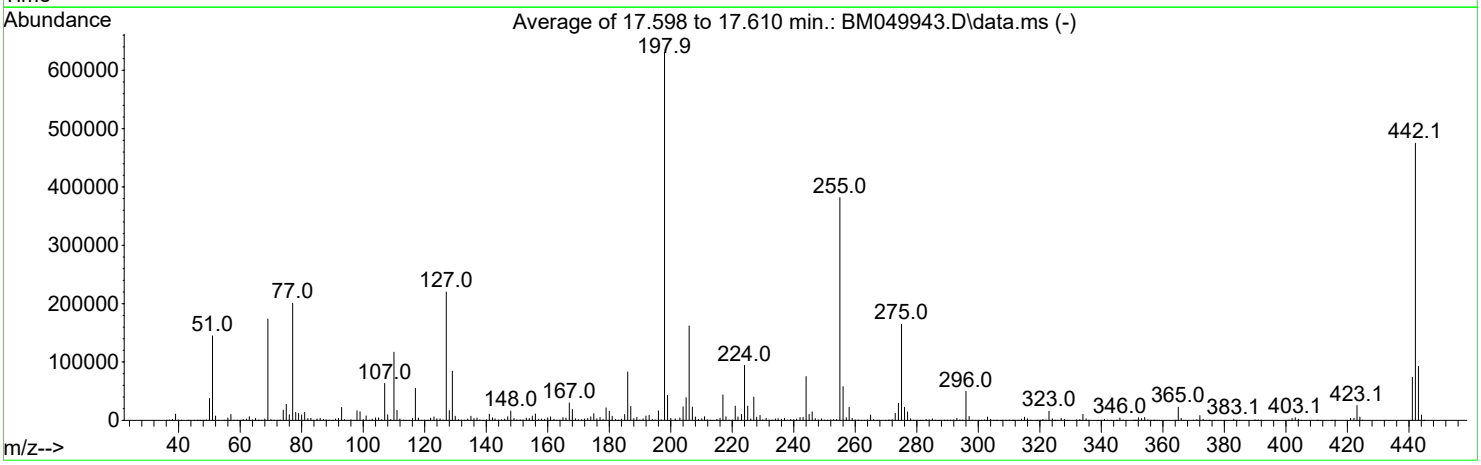
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049943.D
Acq On : 16 Apr 2025 08:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025





AutoFind: Scans 2484, 2485, 2486; Background Corrected with Scan 2476

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.0	144954	PASS
68	69	0.00	2	1.5	2535	PASS
69	198	0.00	100	27.6	173898	PASS
70	69	0.00	2	0.7	1264	PASS
127	198	10	80	34.9	219925	PASS
197	198	0.00	2	0.1	865	PASS
198	198	100	100	100.0	630485	PASS
199	198	5	9	6.8	42927	PASS
275	198	10	60	26.1	164576	PASS
365	198	1	100	3.6	22401	PASS
441	198	0.01	100	11.7	73973	PASS
442	442	50	100	100.0	475008	PASS
443	442	15	24	19.4	92325	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/16/2025	BNA_M	BM049943.D
Compound Name	**Response**	**Retention Time**
DDT	1961082	20.645
DDD	51139	20.204
DDE	2728	19.698
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
53867	2014949	2.67

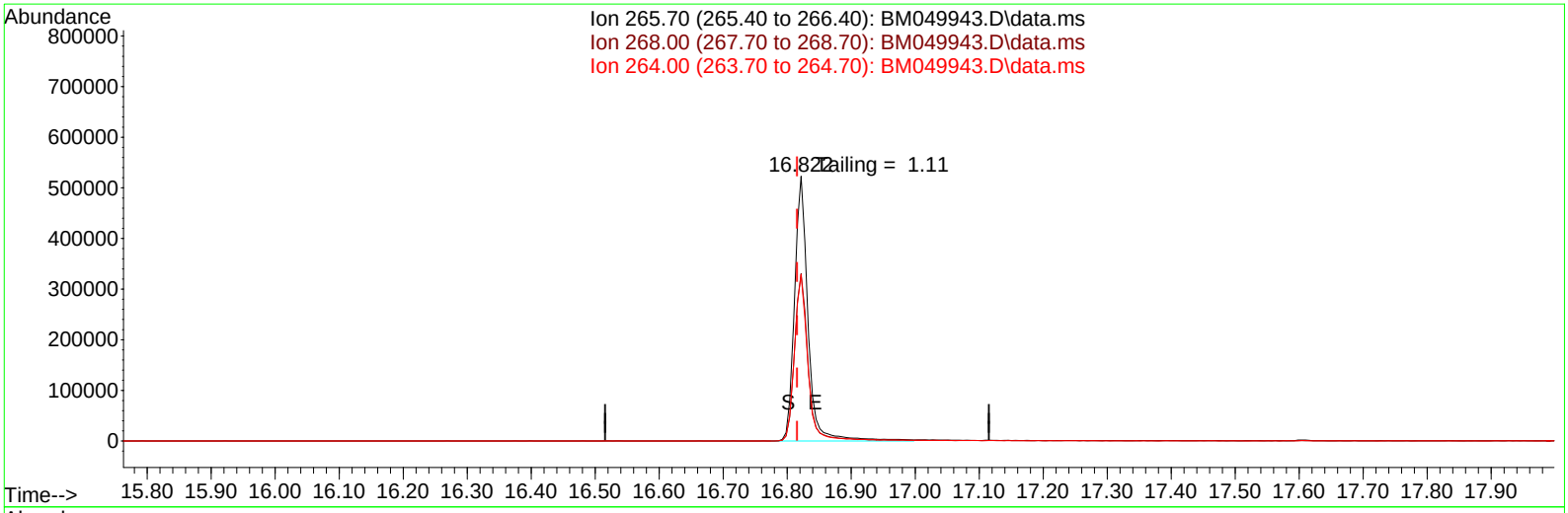
Instrument :
BNA_M
ClientSampleId :
DFTPP

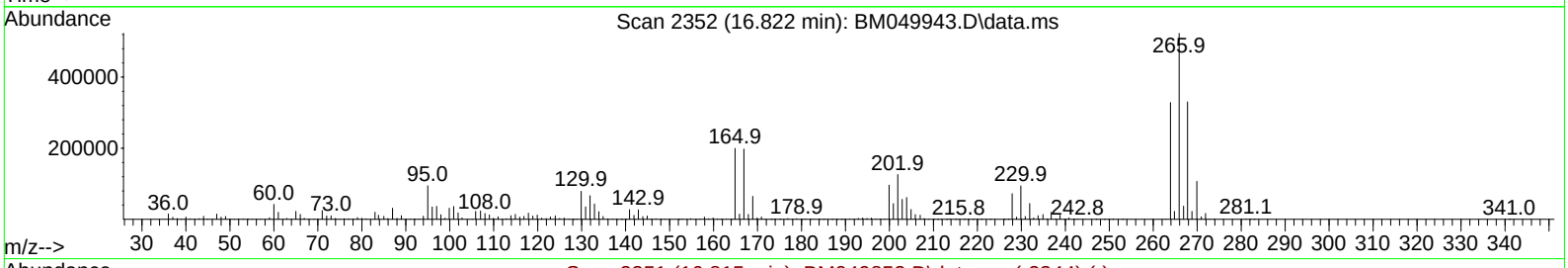
Sample Results: **BM049943.D**

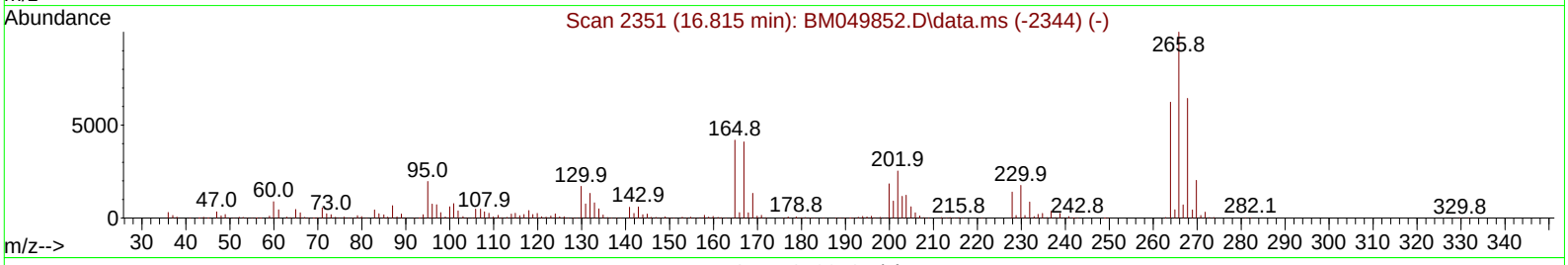
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049943.D
Acq On : 16 Apr 2025 08:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 16 11:06:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049943.D\data.ms

(70) Pentachlorophenol (C)

16.822min (+ 0.006) 1377107.60 ng

response 769504

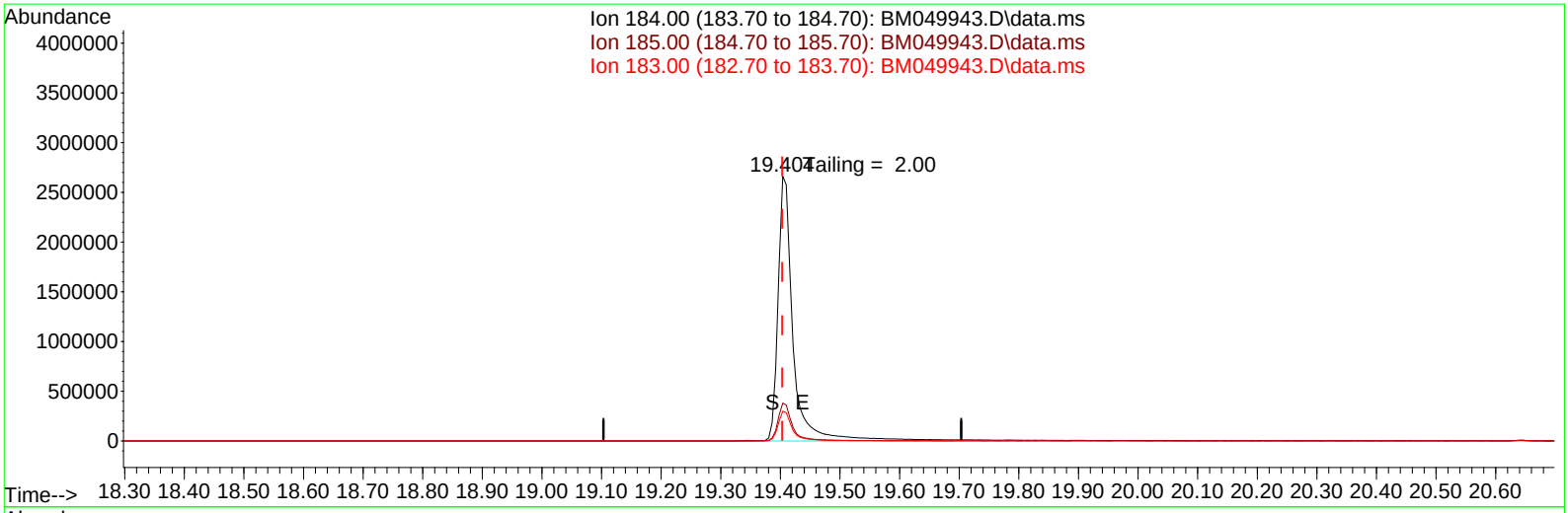
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	63.19
264.00	62.30	62.82
0.00	0.00	0.00

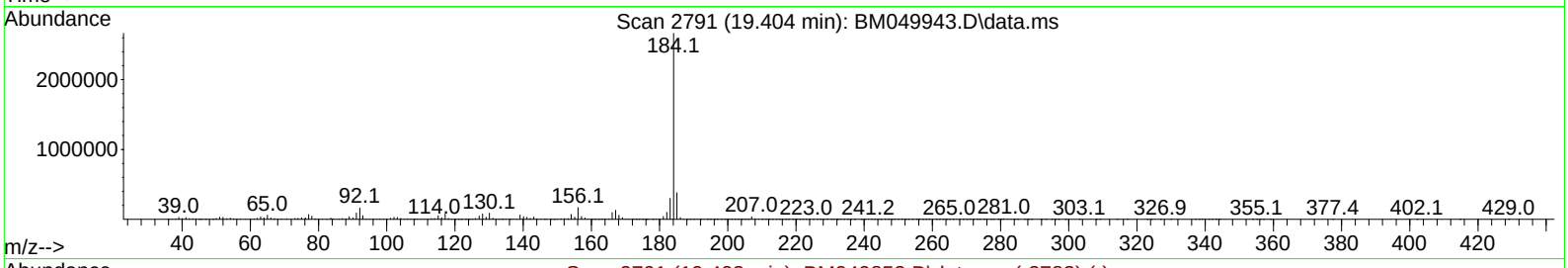
Sample Results: **BM049943.D**

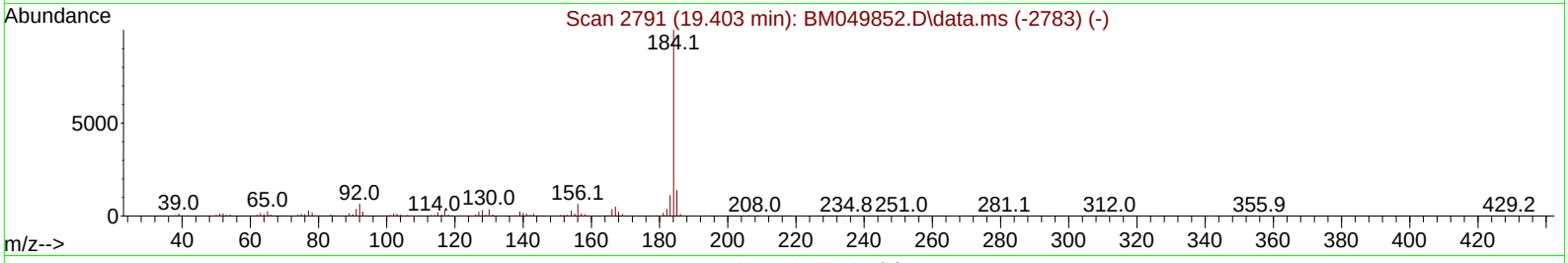
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049943.D
Acq On : 16 Apr 2025 08:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 16 11:06:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049943.D\data.ms

(77) Benzidine

19.404min (+ 0.000) 473739.12 ng

response 4713616

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.31
183.00	11.00	11.26
0.00	0.00	0.00

Raw Data: **BM049877.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BL	SDG No.:	Q1744
Lab Sample ID:	PB167509BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049877.D	1	04/08/25 08:59	04/10/25 10:11	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.1	U	58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.7	U	64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.0	U	52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BL	SDG No.:	Q1744
Lab Sample ID:	PB167509BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049877.D	1	04/08/25 08:59	04/10/25 10:11	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.0	U	50.0	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.2	U	51.2	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.3	U	71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.1	U	59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Raw Data: **BM049877.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BL	SDG No.:	Q1744
Lab Sample ID:	PB167509BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049877.D	1	04/08/25 08:59	04/10/25 10:11	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	138		30 (18) - 130 (112)	92%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.5		30 (18) - 130 (107)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.3		30 (20) - 130 (109)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	112		30 (10) - 130 (105)	112%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	305000	7.775			
1146-65-2	Naphthalene-d8	1030000	10.569			
15067-26-2	Acenaphthene-d10	650000	14.421			
1517-22-2	Phenanthrene-d10	1230000	17.162			
1719-03-5	Chrysene-d12	1170000	21.397			
1520-96-3	Perylene-d12	1310000	24.397			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	350	A		4.89	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	81.3	J		19.3	ug/Kg

Raw Data: **BM049877.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB167509BL			SDG No.:	Q1744
Lab Sample ID:	PB167509BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049877.D	1	04/08/25 08:59	04/10/25 10:11	PB167509

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Time: Apr 10 11:29:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

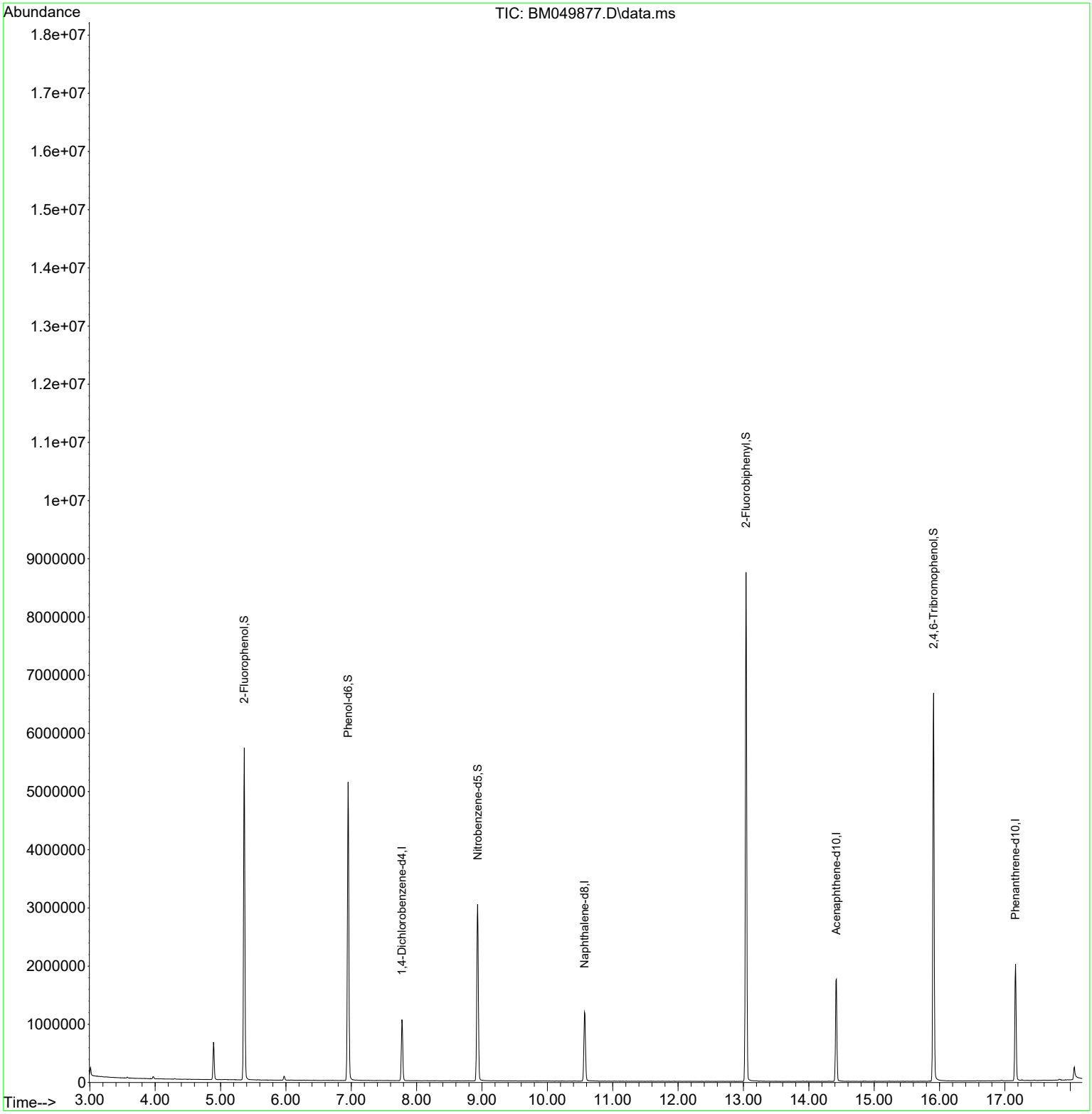
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	304918	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1031962	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	649646	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1225291	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1173504	20.000	ng	0.00
86) Perylene-d12	24.397	264	1306478	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2483463	138.303	ng	0.00
7) Phenol-d6	6.951	99	2987822	133.735	ng	0.00
23) Nitrobenzene-d5	8.933	82	1768989	95.456	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1378609	145.895	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4613403	96.296	ng	0.00
79) Terphenyl-d14	19.786	244	7034521	112.339	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

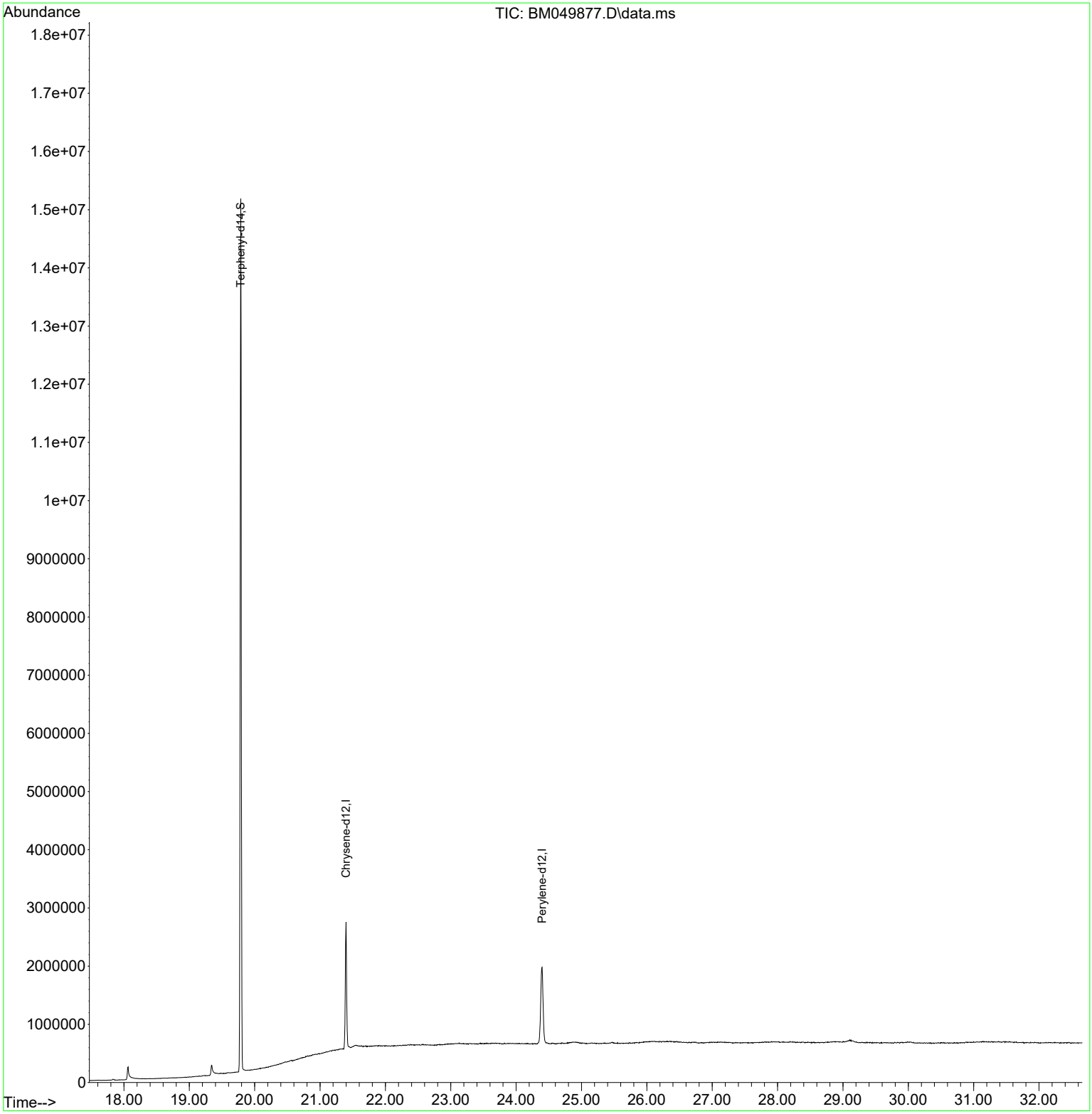
Quant Time: Apr 10 11:29:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

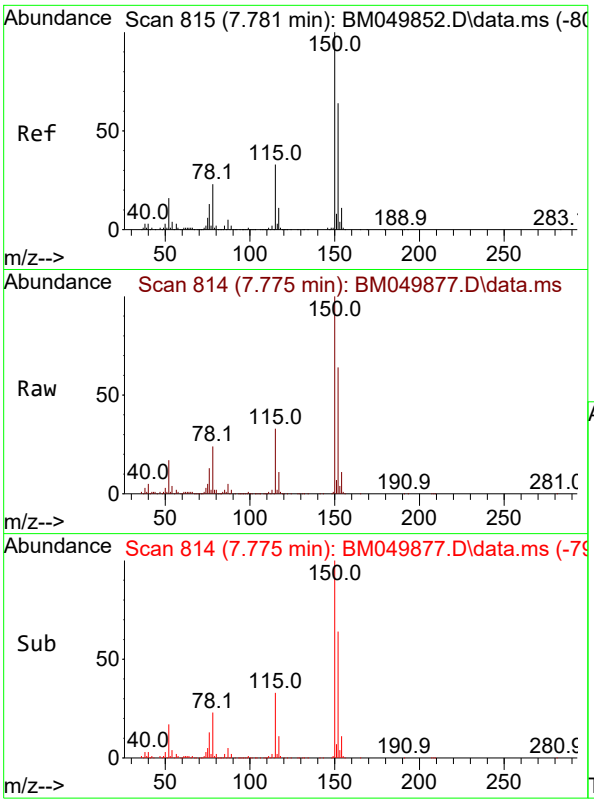


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Time: Apr 10 11:29:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



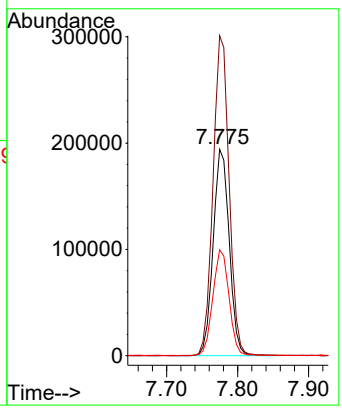


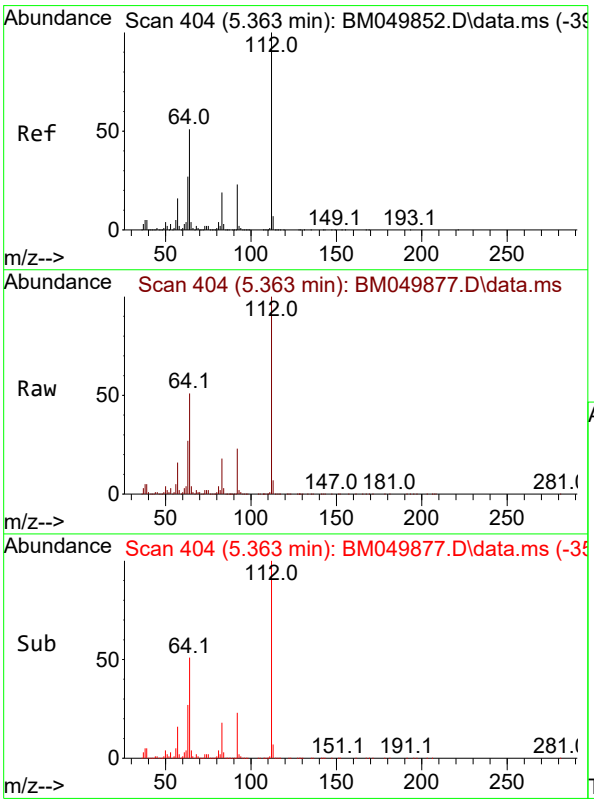
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Tgt Ion:152 Resp: 304918

Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.3	186.5
115	51.3	41.1	61.7

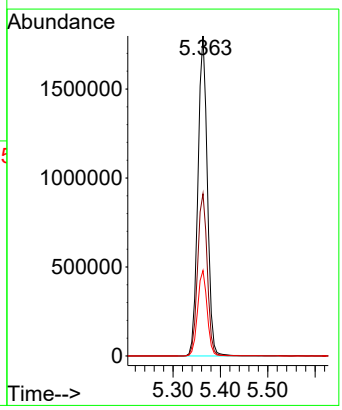


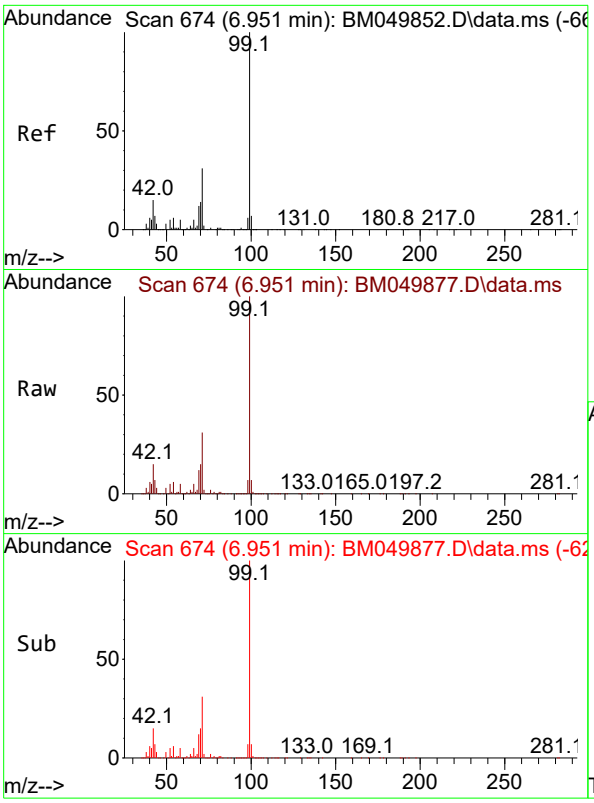


#5
2-Fluorophenol
Concen: 138.303 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:112 Resp: 2483463

Ion	Ratio	Lower	Upper
112	100		
64	50.7	41.0	61.6
63	26.7	21.5	32.3



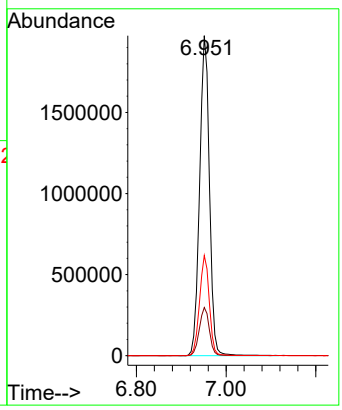


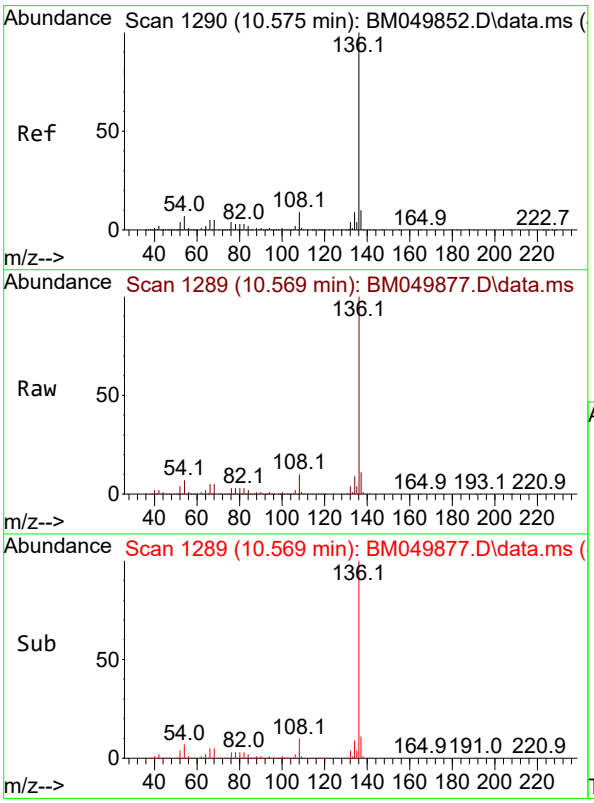
#7
Phenol-d6
Concen: 133.735 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Tgt Ion: 99 Resp: 2987822

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.1	18.1
71	31.3	24.9	37.3

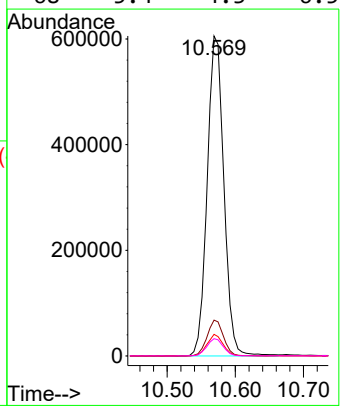


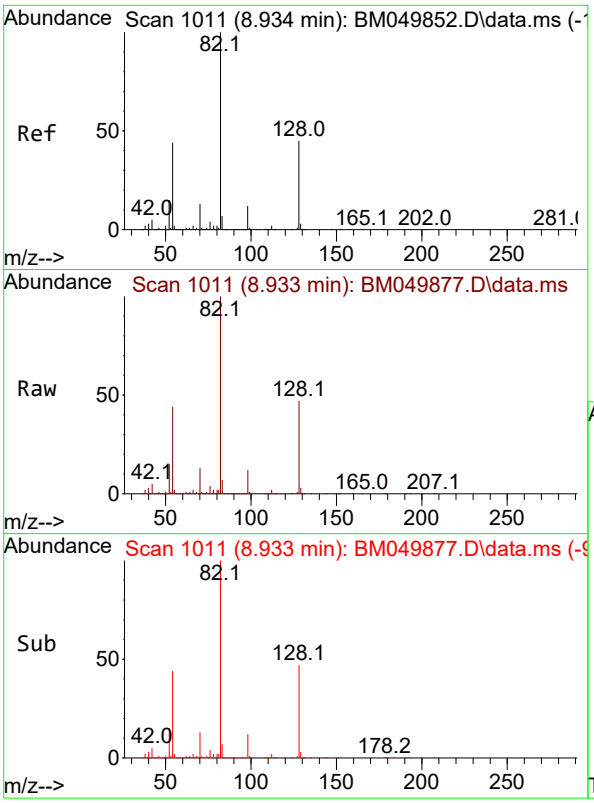


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:136 Resp: 1031962

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	6.8	5.3	7.9
68	5.4	4.3	6.5



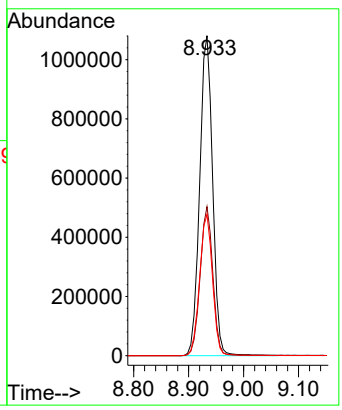


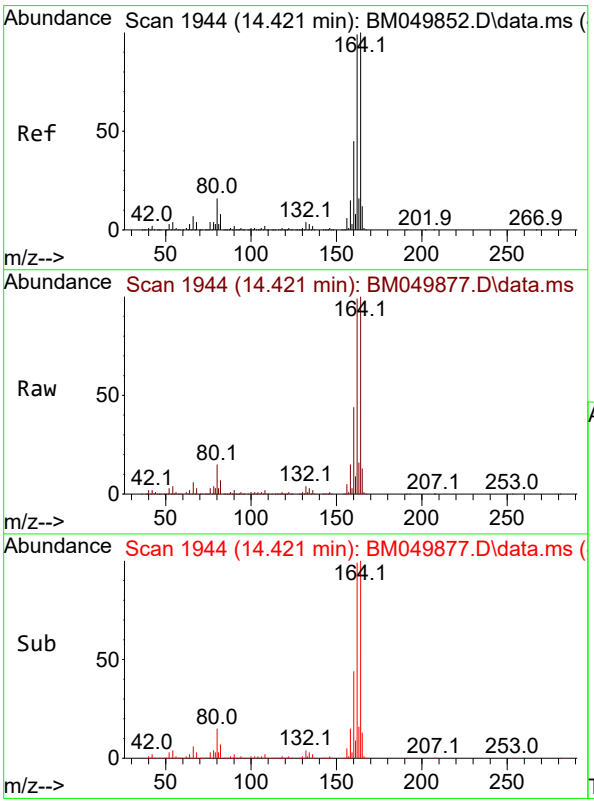
#23
Nitrobenzene-d5
Concen: 95.456 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Tgt Ion: 82 Resp: 1768989

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.2	54.2
54	44.1	35.0	52.6

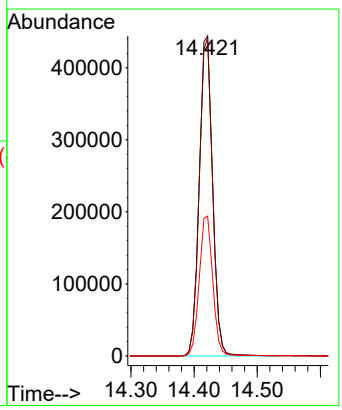


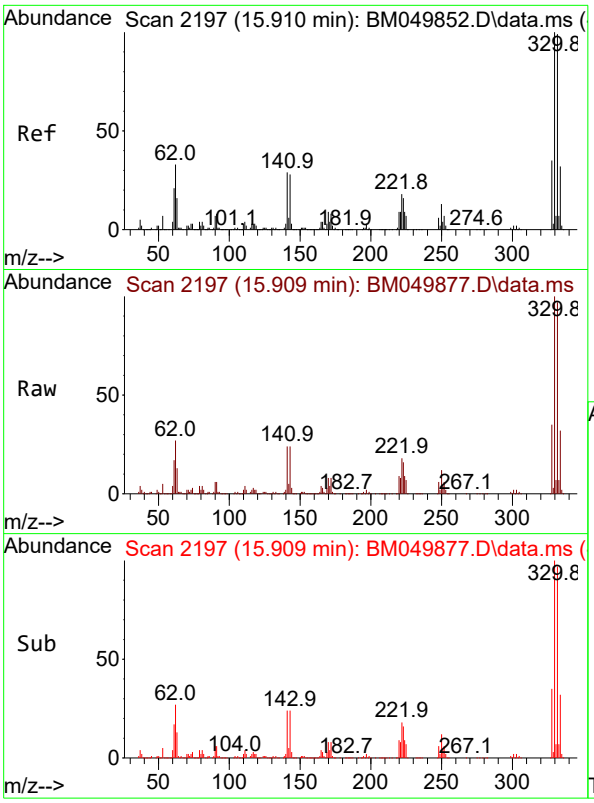


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:164 Resp: 649646

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	43.7	36.2	54.2



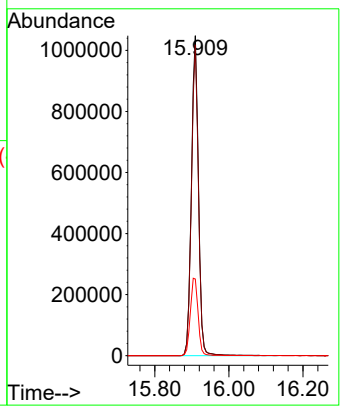


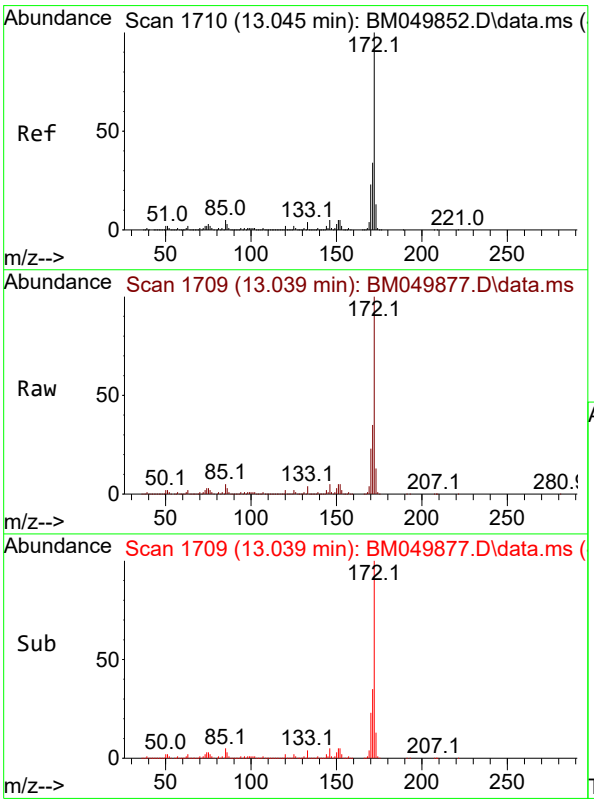
#42
2,4,6-Tribromophenol
Concen: 145.895 ng
RT: 15.909 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Tgt Ion:330 Resp: 1378609

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	26.6	23.5	35.3

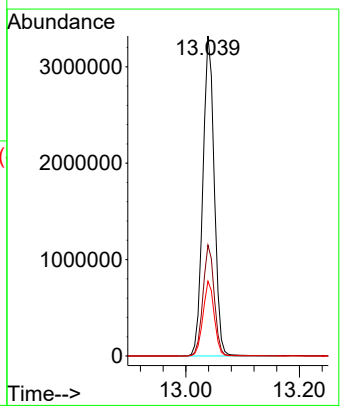


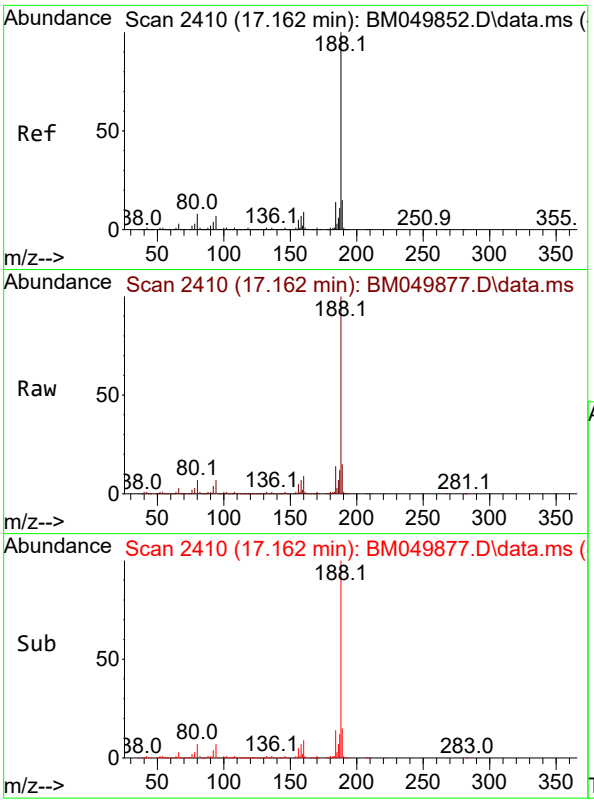


#45
2-Fluorobiphenyl
Concen: 96.296 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:172 Resp: 4613403

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.2
170	23.3	18.6	28.0



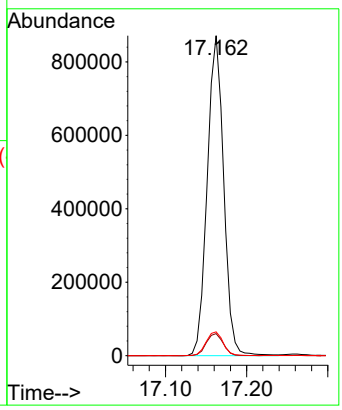


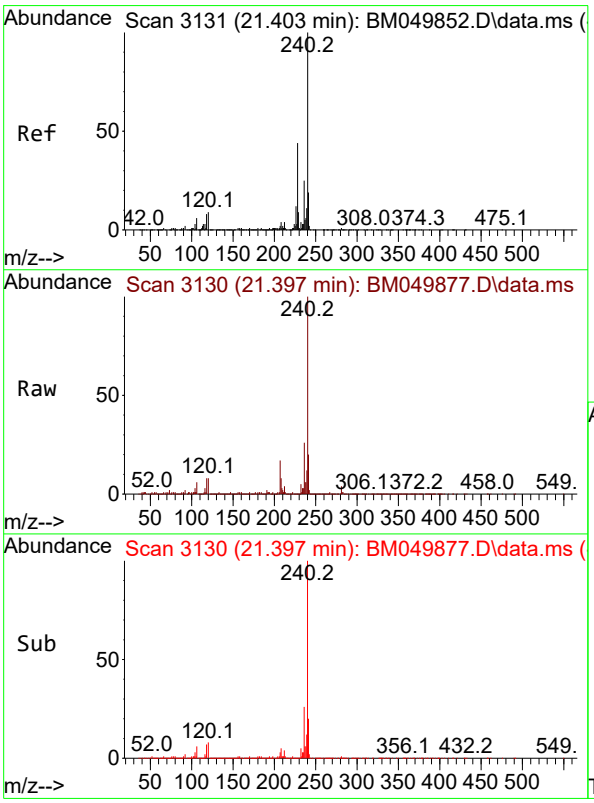
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Tgt Ion:188 Resp: 1225291

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	7.5	6.4	9.6

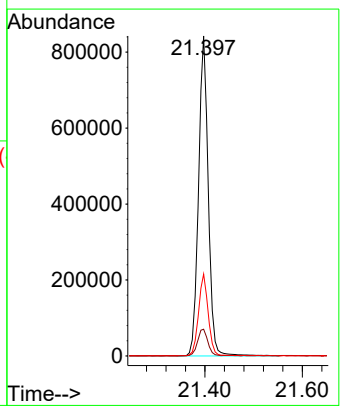


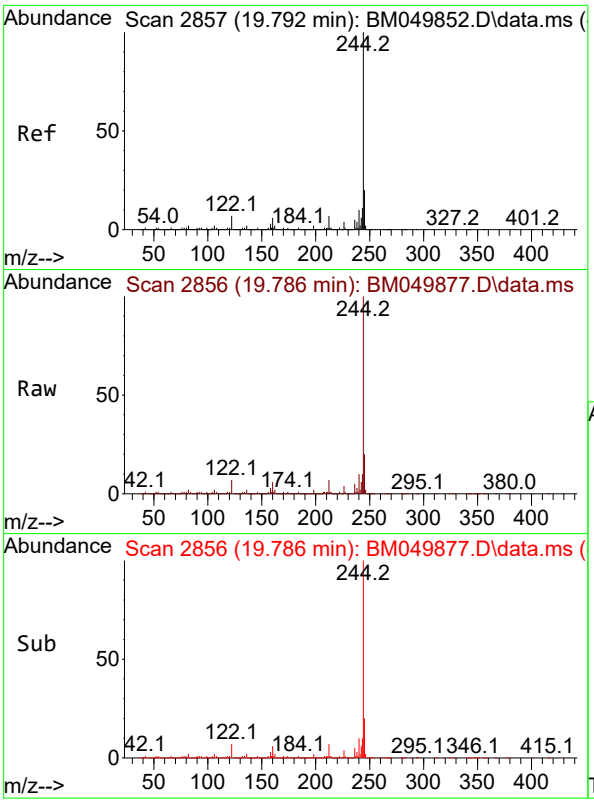


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:240 Resp: 1173504

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.6	20.4	30.6



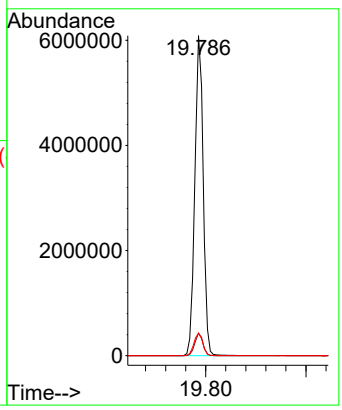


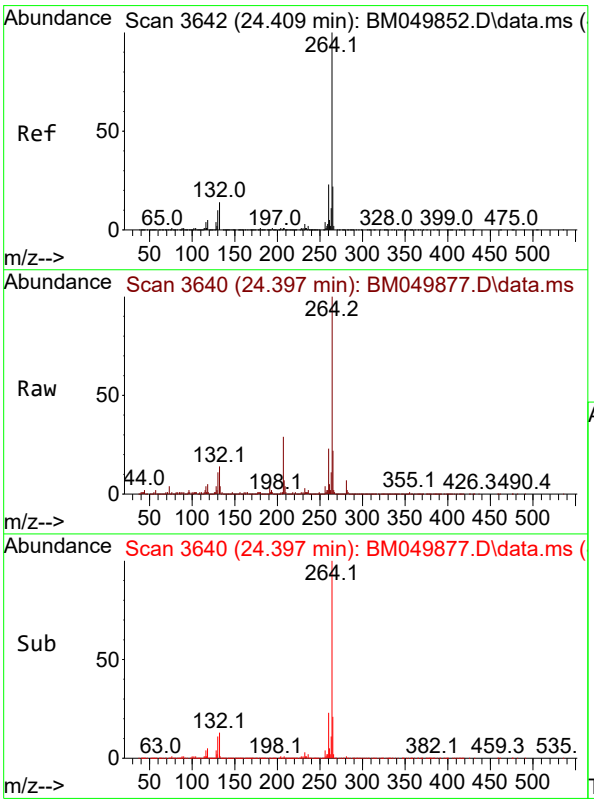
#79
Terphenyl-d14
Concen: 112.339 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Tgt Ion:244 Resp: 7034521

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	7.0	5.4	8.0

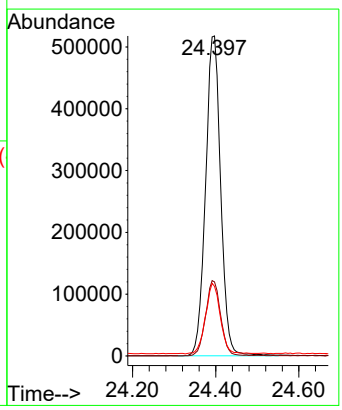




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049877.D
Acq: 10 Apr 2025 10:11

Tgt Ion:264 Resp: 1306478

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.8	17.8	26.8



Sample Results: **BM049877.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

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_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049877.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.893	319	324	334	rVB	646700	865751	4.95%	1.128%
2	5.363	397	404	418	rBV	5708587	7953113	45.44%	10.360%
3	6.951	667	674	686	rBV	5127694	7849371	44.85%	10.225%
4	7.775	807	814	826	rVB	1049123	1640539	9.37%	2.137%
5	8.933	1003	1011	1022	rBV	3032859	4957314	28.33%	6.457%
6	10.569	1281	1289	1302	rBV	1182597	2019525	11.54%	2.631%
7	13.039	1700	1709	1724	rBV	8747013	12190336	69.66%	15.879%
8	14.421	1936	1944	1959	rBV	1754162	2616740	14.95%	3.409%
9	15.909	2190	2197	2216	rBV	6670855	9261965	52.92%	12.065%
10	17.162	2404	2410	2422	rBV	1998943	2845156	16.26%	3.706%
11	18.062	2558	2563	2578	rBV	216597	490971	2.81%	0.640%
12	19.339	2776	2780	2789	rBV2	174301	362861	2.07%	0.473%
13	19.786	2851	2856	2869	rBV	14999522	17500587	100.00%	22.796%
14	21.397	3125	3130	3142	rVB	2153994	2970766	16.98%	3.870%
15	24.397	3632	3640	3650	rVB	1302019	3244234	18.54%	4.226%

Sum of corrected areas: 76769229

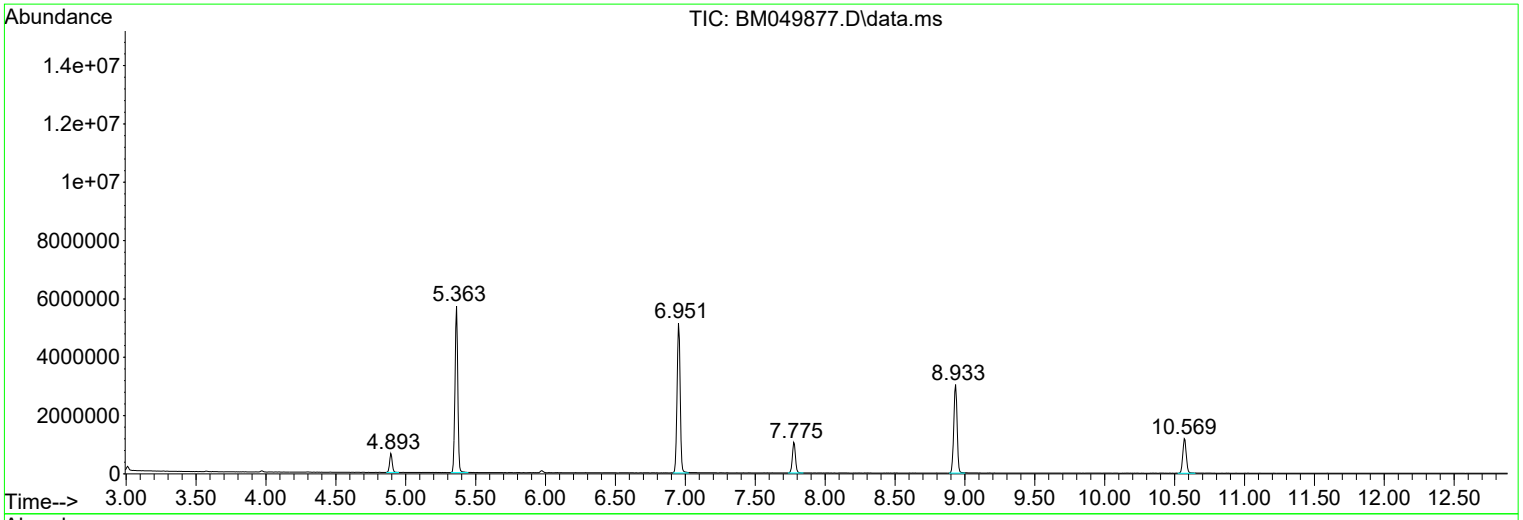
Sample Results: **BM049877.D**

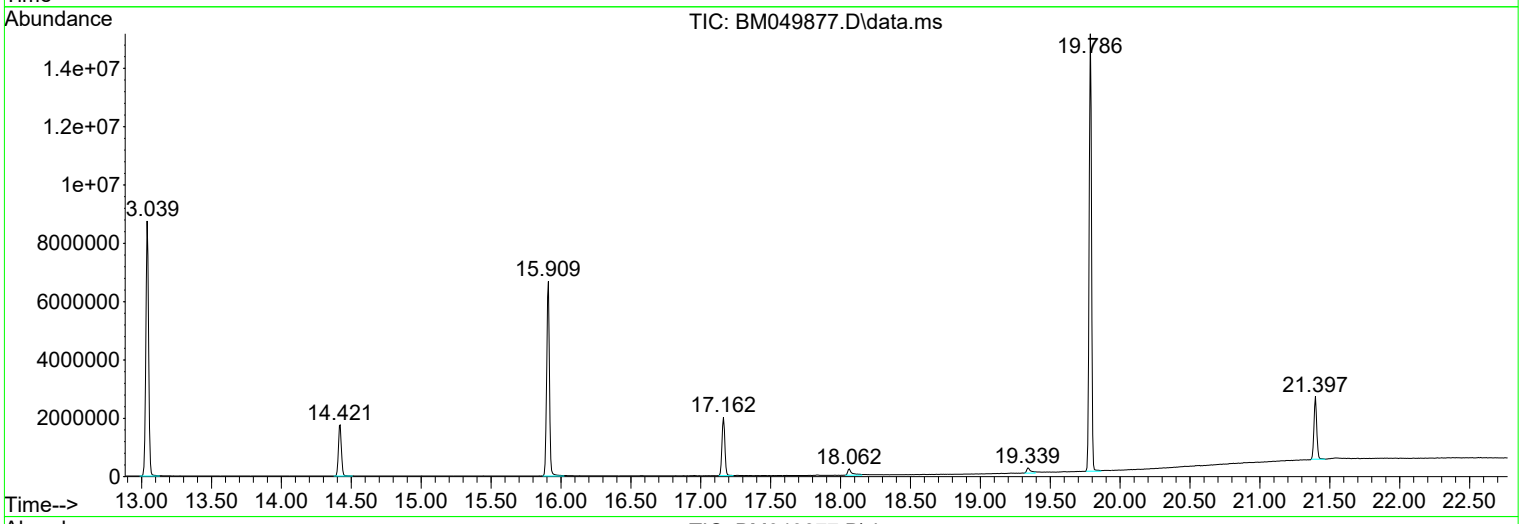
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

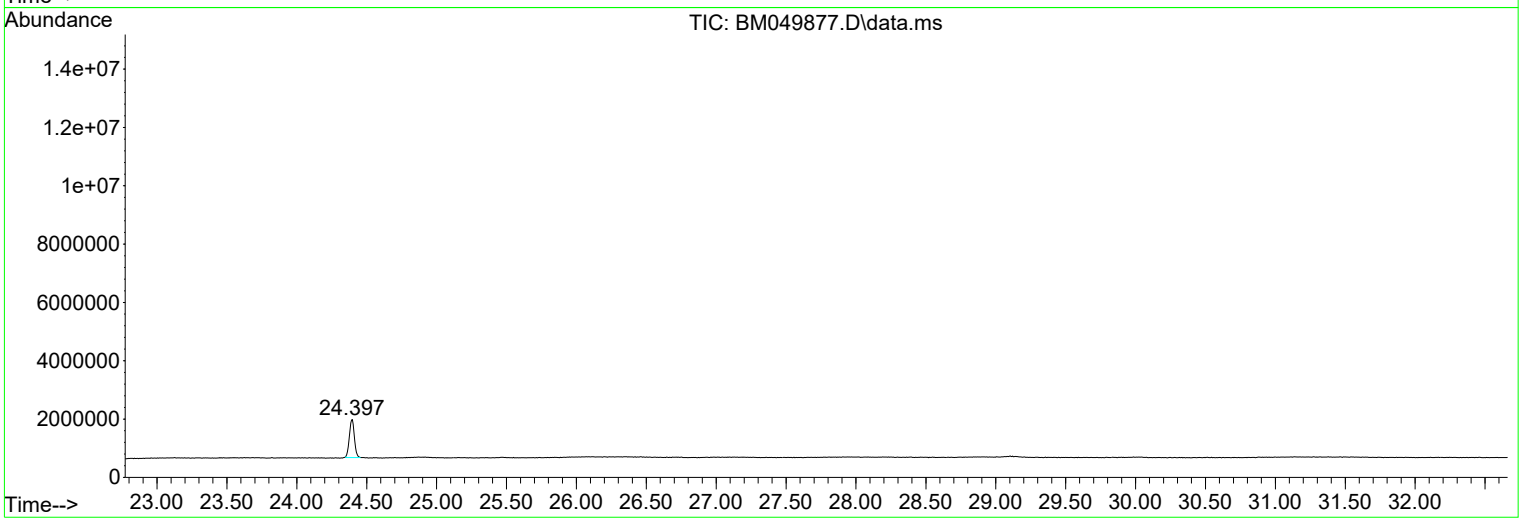
Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

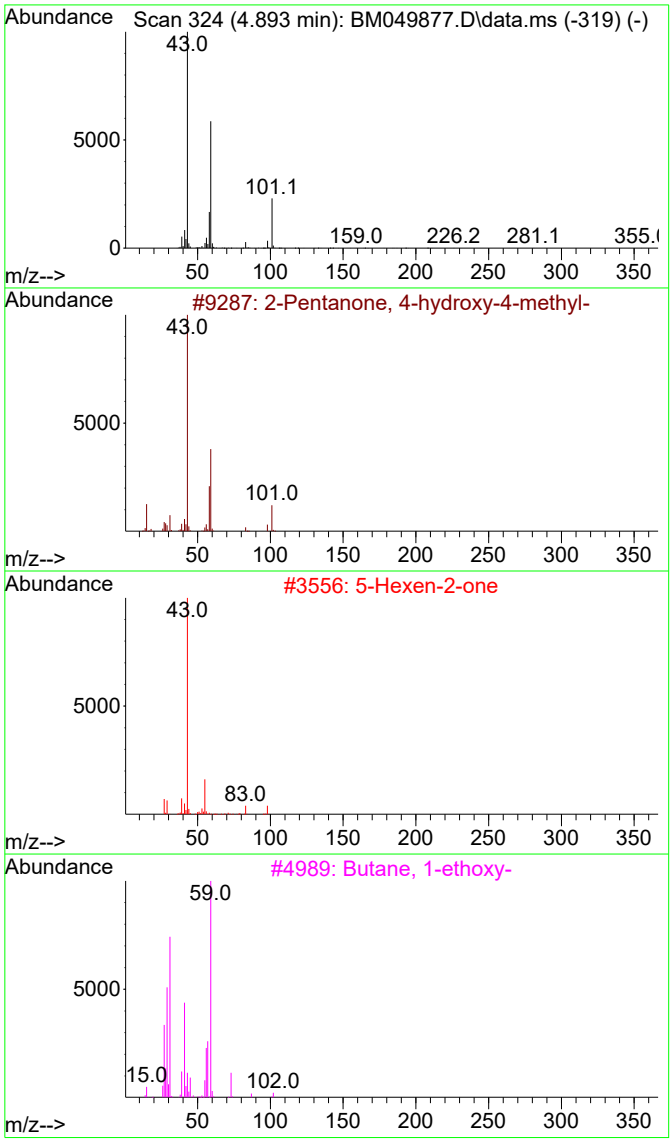
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

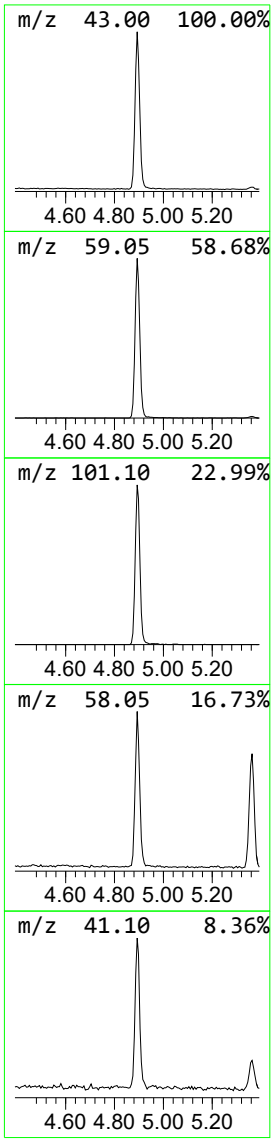
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.893	10.55 ng	865751	1,4-Dichlorobenzene-d4	7.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

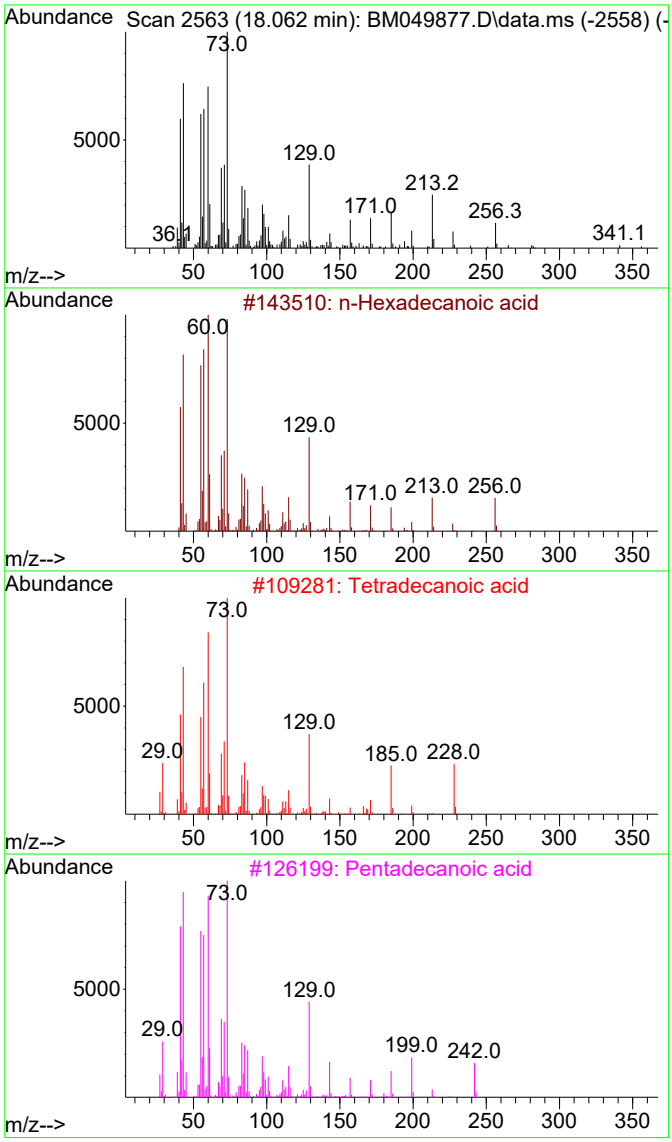
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

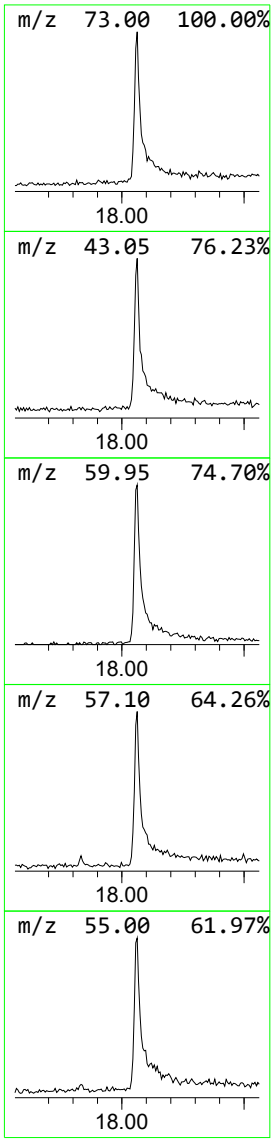
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.062	3.45 ng	490971	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Tridecanoic acid	214	C13H26O2	000638-53-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

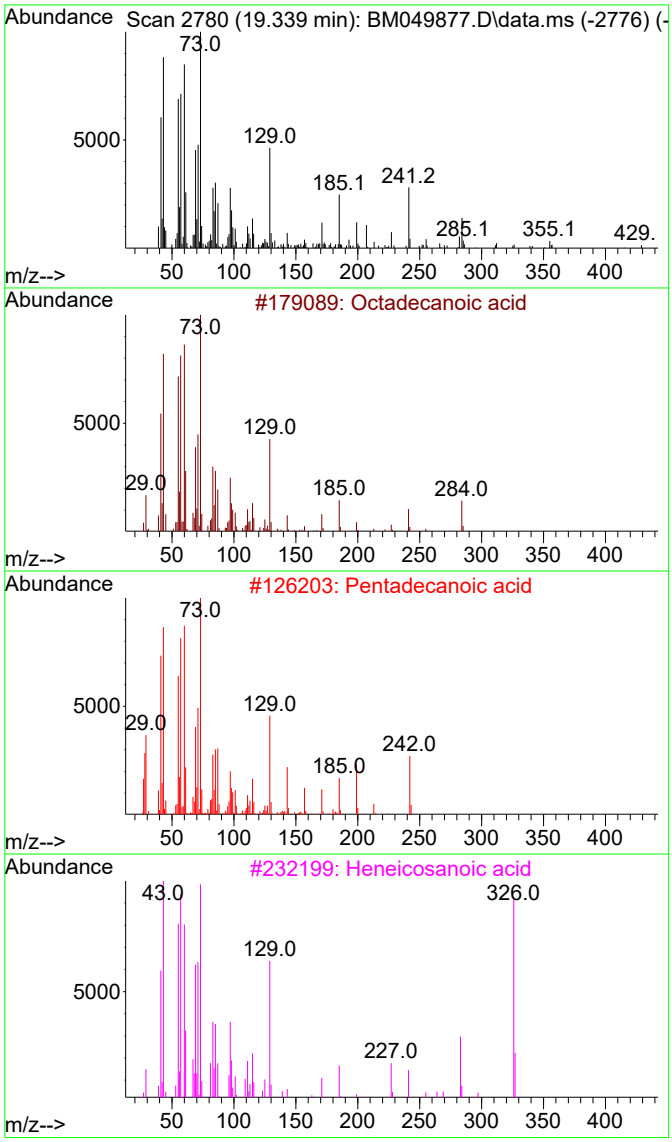
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

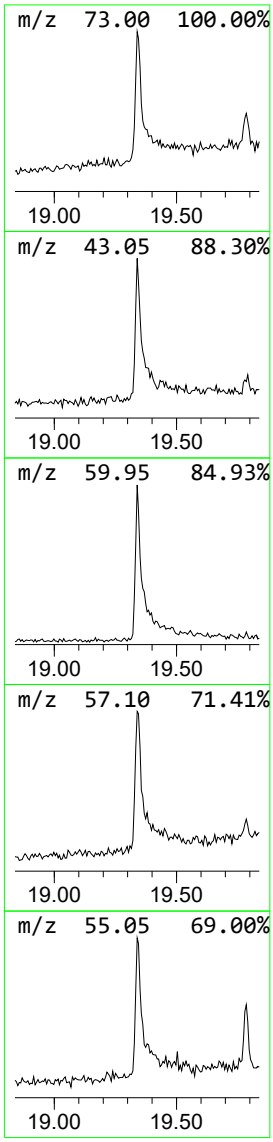
****

Peak Number 3 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.339	2.44 ng	362861	Chrysene-d12	21.397

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	93
3	Heneicosanoic acid	326	C21H42O2	002363-71-5	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80





Sample Results: **BM049877.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049877.D
Acq On : 10 Apr 2025 10:11
Operator : RC/JU
Sample : PB167509BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167509BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.893	10.6	ng	865751	1	7.775	1640540	20.0
n-Hexadecanoic ...	18.062	3.5	ng	490971	4	17.162	2845160	20.0
Octadecanoic acid	19.339	2.4	ng	362861	5	21.397	2970770	20.0

Raw Data: **BM049947.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BS	SDG No.:	Q1744
Lab Sample ID:	PB167509BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049947.D	1	04/08/25 08:59	04/16/25 11:26	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		160	330	ug/Kg
108-95-2	Phenol	1500		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1600		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	820		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Raw Data: **BM049947.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BS	SDG No.:	Q1744
Lab Sample ID:	PB167509BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049947.D	1	04/08/25 08:59	04/16/25 11:26	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1100		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	2200		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	170	ug/Kg
120-12-7	Anthracene	1700		33.3	170	ug/Kg
86-74-8	Carbazole	1600		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1600		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

Raw Data: **BM049947.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167509BS	SDG No.:	Q1744
Lab Sample ID:	PB167509BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049947.D	1	04/08/25 08:59	04/16/25 11:26	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.2		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (10) - 130 (105)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	336000	7.769			
1146-65-2	Naphthalene-d8	1150000	10.563			
15067-26-2	Acenaphthene-d10	723000	14.416			
1517-22-2	Phenanthrene-d10	1410000	17.157			
1719-03-5	Chrysene-d12	1400000	21.404			
1520-96-3	Perylene-d12	1470000	24.403			

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_M\Data\BM041625\
Data File : BM049947.D
Acq On : 16 Apr 2025 11:26
Operator : RC/JU
Sample : PB167509BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 12:10:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	335569	20.000	ng		-0.01
21) Naphthalene-d8	10.563	136	1154159	20.000	ng		-0.01
39) Acenaphthene-d10	14.416	164	723173	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1408528	20.000	ng		0.00
76) Chrysene-d12	21.404	240	1396785	20.000	ng		0.00
86) Perylene-d12	24.403	264	1468801	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.358	112	2517914	127.414	ng		0.00
7) Phenol-d6	6.952	99	3087375	125.568	ng		0.00
23) Nitrobenzene-d5	8.928	82	1807121	87.189	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	1524489	144.930	ng		0.00
45) 2-Fluorobiphenyl	13.034	172	4755133	89.163	ng		-0.01
79) Terphenyl-d14	19.786	244	7545930	101.243	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	285236	35.047	ng		99
3) Pyridine	3.652	79	801586	37.487	ng		99
4) n-Nitrosodimethylamine	3.564	42	348421	42.817	ng		100
6) Aniline	7.099	93	802210	38.077	ng		100
8) 2-Chlorophenol	7.340	128	926757	45.761	ng		99
9) Benzaldehyde	6.910	77	410086	32.502	ng		99
10) Phenol	6.981	94	1092338	45.526	ng		98
11) bis(2-Chloroethyl)ether	7.193	93	862929	45.862	ng		100
12) 1,3-Dichlorobenzene	7.657	146	1062242	44.365	ng		98
13) 1,4-Dichlorobenzene	7.805	146	1072356	44.511	ng		99
14) 1,2-Dichlorobenzene	8.122	146	1029815	45.382	ng		99
15) Benzyl Alcohol	8.016	79	709628	45.834	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	1007433	48.038	ng		98
17) 2-Methylphenol	8.222	107	711381	48.112	ng		99
18) Hexachloroethane	8.846	117	374982	44.738	ng		99
19) n-Nitroso-di-n-propyla...	8.581	70	626211	45.985	ng		99
20) 3+4-Methylphenols	8.552	107	954078	47.329	ng		99
22) Acetophenone	8.593	105	1241485	44.260	ng	#	99
24) Nitrobenzene	8.969	77	897029	44.947	ng		99
25) Isophorone	9.499	82	1683372	48.483	ng		99
26) 2-Nitrophenol	9.681	139	487144	46.053	ng		99
27) 2,4-Dimethylphenol	9.751	122	789352	65.846	ng		98
28) bis(2-Chloroethoxy)met...	9.975	93	1054935	45.383	ng		99
29) 2,4-Dichlorophenol	10.228	162	904031	45.368	ng		98
30) 1,2,4-Trichlorobenzene	10.428	180	1025903	44.503	ng		99
31) Naphthalene	10.616	128	2556936	43.115	ng		99
32) Benzoic acid	9.899	122	510676m	36.793	ng		
33) 4-Chloroaniline	10.728	127	517747	24.724	ng		98
34) Hexachlorobutadiene	10.904	225	658407	46.174	ng		98
35) Caprolactam	11.516	113	251400	43.988	ng		99
36) 4-Chloro-3-methylphenol	11.869	107	793616	45.467	ng		99
37) 2-Methylnaphthalene	12.228	142	1684399	40.312	ng		100
38) 1-Methylnaphthalene	12.451	142	1758489	43.198	ng		100
40) 1,2,4,5-Tetrachloroben...	12.604	216	1167474	46.145	ng		99
41) Hexachlorocyclopentadiene	12.581	237	1433013	161.644	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	772469	47.982	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049947.D
Acq On : 16 Apr 2025 11:26
Operator : RC/JU
Sample : PB167509BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 12:10:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	833745	47.656	ng	99
46) 1,1'-Biphenyl	13.245	154	2422318	45.059	ng	100
47) 2-Chloronaphthalene	13.287	162	1925861	45.579	ng	98
48) 2-Nitroaniline	13.492	65	474869	48.580	ng	99
49) Acenaphthylene	14.139	152	3047254	49.510	ng	99
50) Dimethylphthalate	13.875	163	2358862	46.235	ng	100
51) 2,6-Dinitrotoluene	13.992	165	515213	48.200	ng	97
52) Acenaphthene	14.481	154	1764030	45.059	ng	99
53) 3-Nitroaniline	14.322	138	351369	34.011	ng	97
54) 2,4-Dinitrophenol	14.539	184	668125	85.742	ng	97
55) Dibenzofuran	14.816	168	2892823	44.201	ng	98
56) 4-Nitrophenol	14.651	139	879693	95.553	ng	99
57) 2,4-Dinitrotoluene	14.786	165	725380	50.868	ng	95
58) Fluorene	15.463	166	2409614	46.319	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	711309	46.388	ng	97
60) Diethylphthalate	15.239	149	2190399	44.769	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1302004	46.682	ng	99
62) 4-Nitroaniline	15.486	138	502922	47.073	ng	99
63) Azobenzene	15.751	77	1866693	44.564	ng	97
65) 4,6-Dinitro-2-methylph...	15.551	198	437036	49.238	ng	98
66) n-Nitrosodiphenylamine	15.675	169	2034520	48.266	ng	99
67) 4-Bromophenyl-phenylether	16.351	248	790083	48.319	ng	97
68) Hexachlorobenzene	16.475	284	919430	49.022	ng	99
69) Atrazine	16.627	200	731486	66.929	ng	98
70) Pentachlorophenol	16.816	266	1280079	92.705	ng	100
71) Phenanthrene	17.204	178	3723574	48.220	ng	100
72) Anthracene	17.292	178	3775775	49.616	ng	100
73) Carbazole	17.563	167	3426685	47.807	ng	99
74) Di-n-butylphthalate	18.127	149	3828697	46.376	ng	99
75) Fluoranthene	19.221	202	4496471	47.358	ng	99
77) Benzidine	19.404	184	1898133	102.434	ng	100
78) Pyrene	19.580	202	4650588	48.311	ng	100
80) Butylbenzylphthalate	20.480	149	1697848	46.939	ng	99
81) Benzo(a)anthracene	21.386	228	4535328	48.856	ng	100
82) 3,3'-Dichlorobenzidine	21.304	252	1250970	35.685	ng	99
83) Chrysene	21.445	228	4184241	47.411	ng	99
84) Bis(2-ethylhexyl)phtha...	21.304	149	2394124	45.429	ng	98
85) Di-n-octyl phthalate	22.439	149	4115837	44.642	ng	100
87) Indeno(1,2,3-cd)pyrene	27.809	276	5360089	48.957	ng	99
88) Benzo(b)fluoranthene	23.462	252	4436790	47.297	ng	99
89) Benzo(k)fluoranthene	23.521	252	4265178	46.919	ng	100
90) Benzo(a)pyrene	24.268	252	4193597	50.874	ng	99
91) Dibenzo(a,h)anthracene	27.856	278	4387155	48.647	ng	99
92) Benzo(g,h,i)perylene	28.862	276	4256093	46.184	ng	99

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

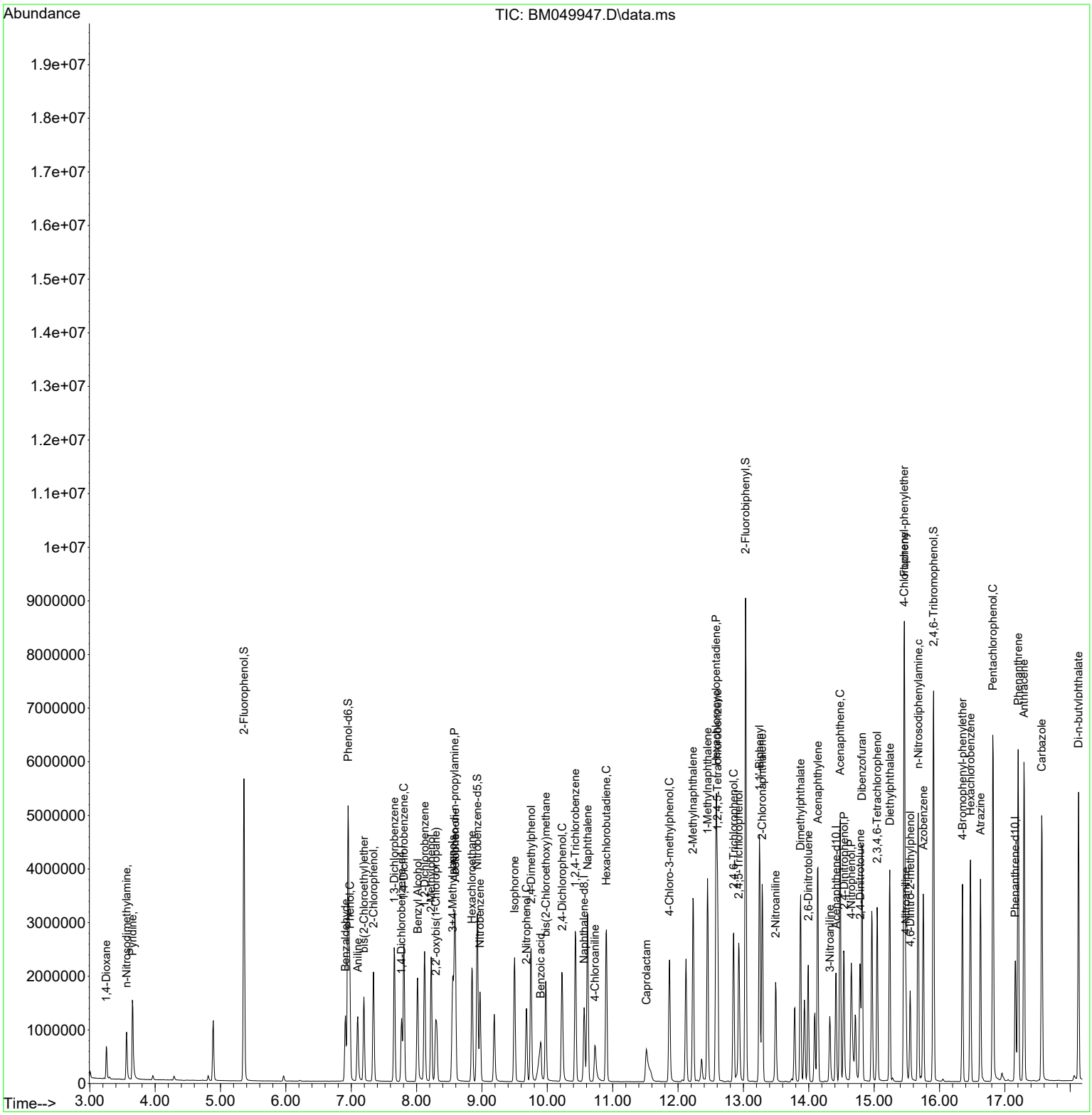
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
Data File : BM049947.D
Acq On : 16 Apr 2025 11:26
Operator : RC/JU
Sample : PB167509BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 12:10:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025



Sample Results: **BM049947.D**

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Data File : BM049947.D
Acq On : 16 Apr 2025 11:26
Operator : RC/JU
Sample : PB167509BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 16 12:10:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB167509BS

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Reviewed By :Rahul Chavli 04/17/2025
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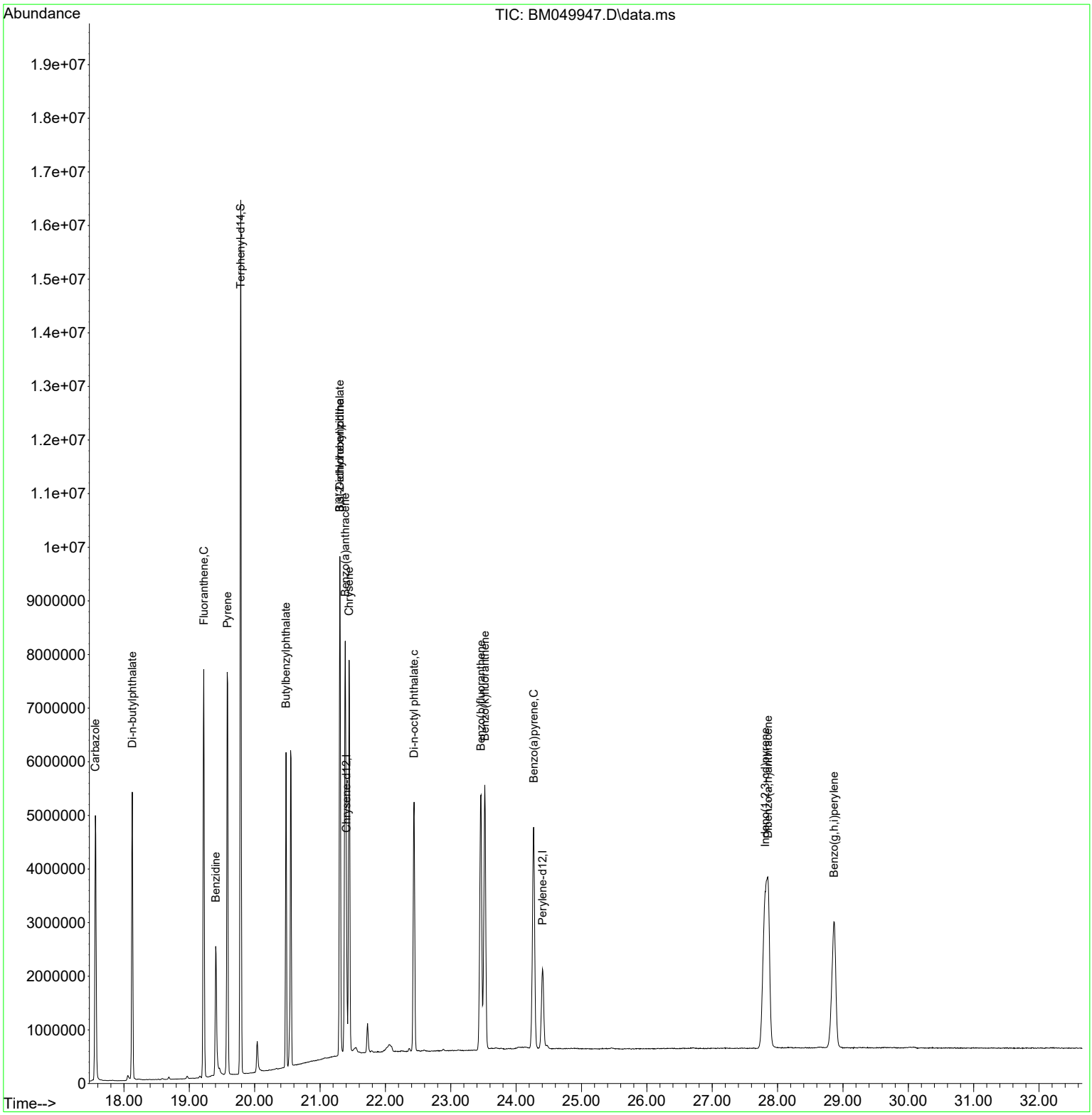
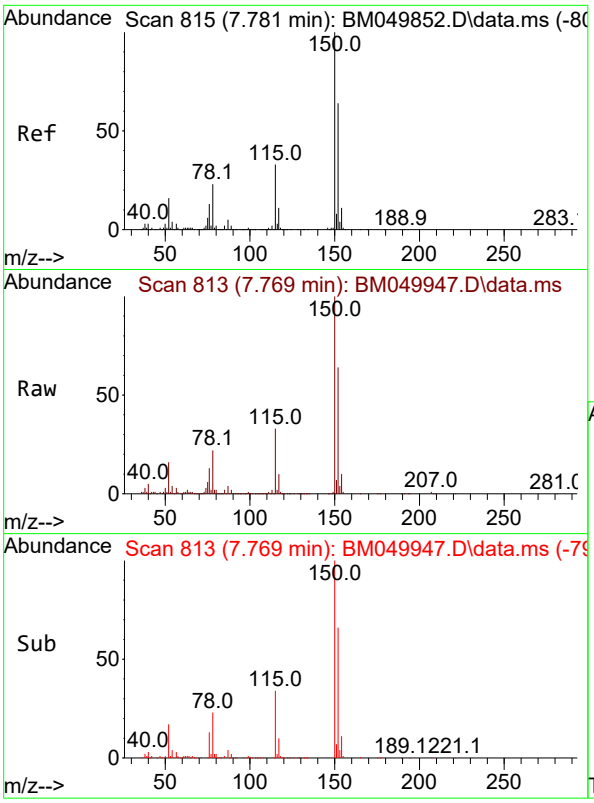
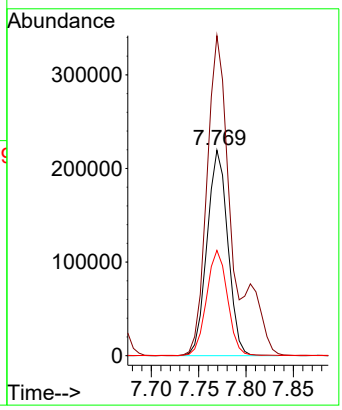




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:152 Resp: 33556

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.3	186.5
115	51.3	41.1	61.7



Instrument :
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ClientSampleId :
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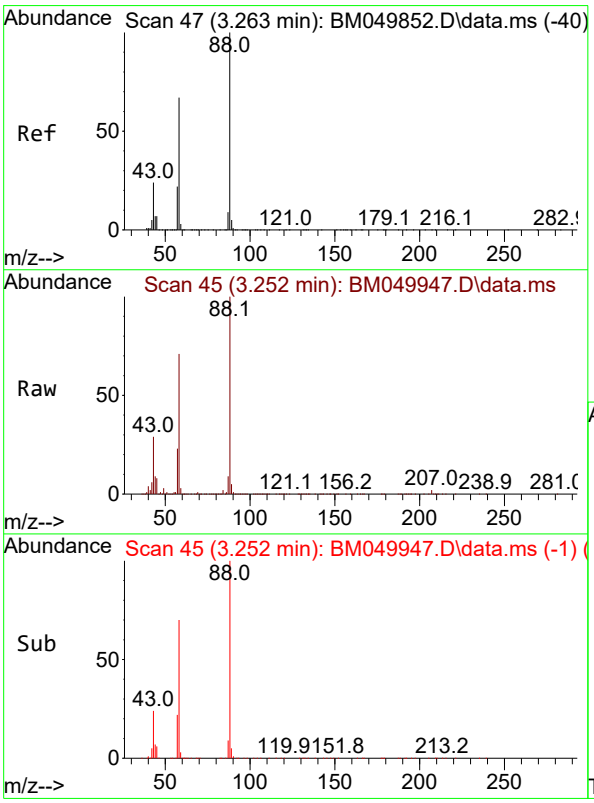
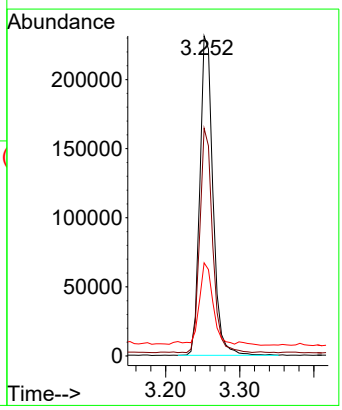
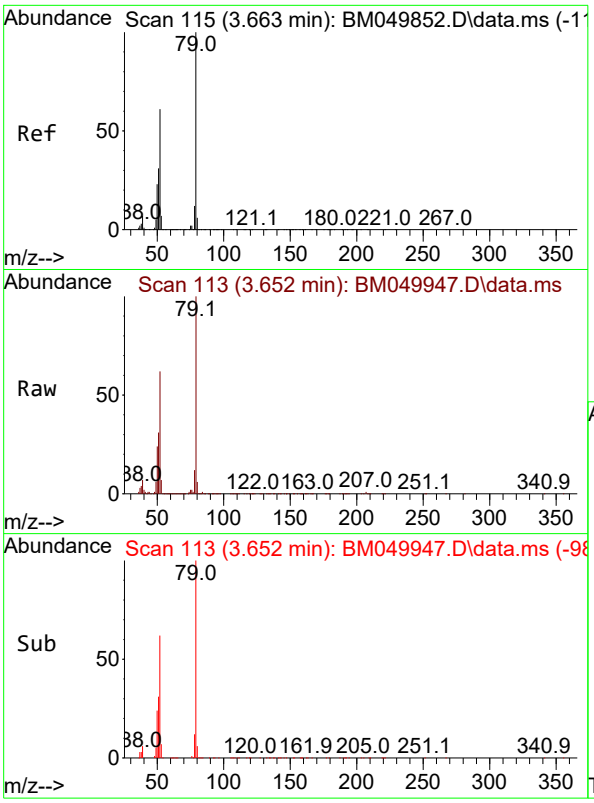


#2
1,4-Dioxane
Concen: 35.047 ng
RT: 3.252 min Scan# 45
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 88 Resp: 285236

Ion	Ratio	Lower	Upper
88	100		
58	68.8	54.1	81.1
43	25.6	20.2	30.4

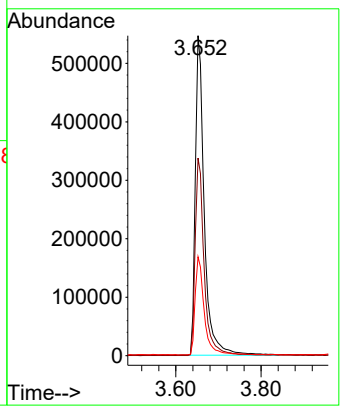




#3
Pyridine
Concen: 37.487 ng
RT: 3.652 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 79 Resp: 80158

Ion	Ratio	Lower	Upper
79	100		
52	61.7	48.9	73.3
51	30.9	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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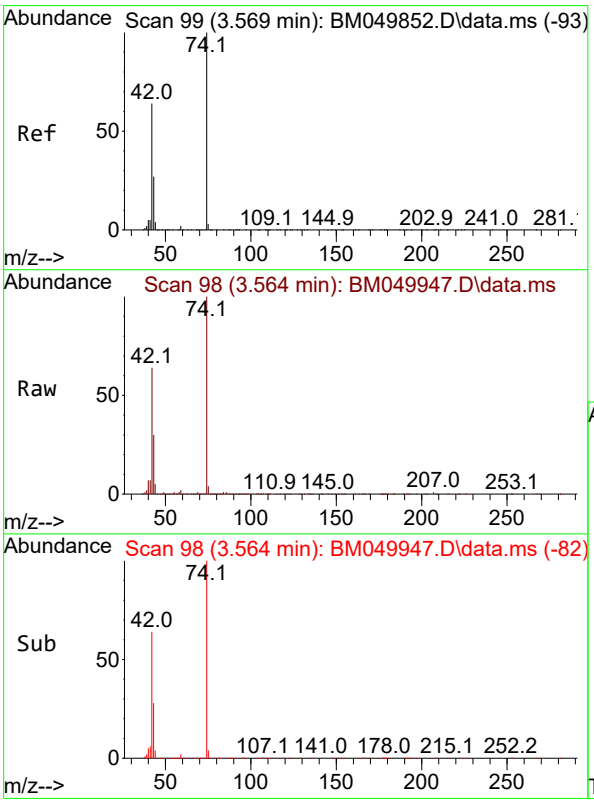
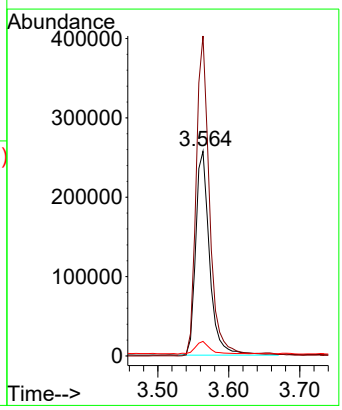
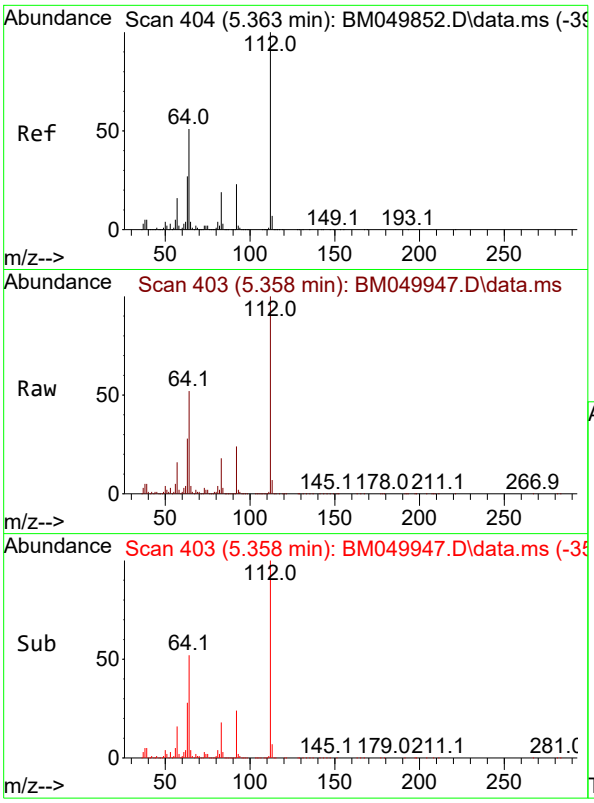


#4
n-Nitrosodimethylamine
Concen: 42.817 ng
RT: 3.564 min Scan# 98
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 42 Resp: 348421

Ion	Ratio	Lower	Upper
42	100		
74	156.4	125.4	188.2
44	7.1	5.9	8.9





#5
2-Fluorophenol
Concen: 127.414 ng
RT: 5.358 min Scan# 4(
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:112 Resp: 251791

Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.0	61.6
63	27.5	21.5	32.3

Instrument :
BNA_M
ClientSampleId :
PB167509BS

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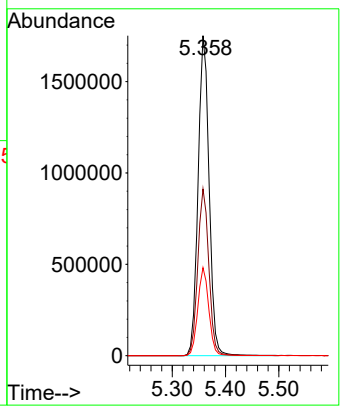
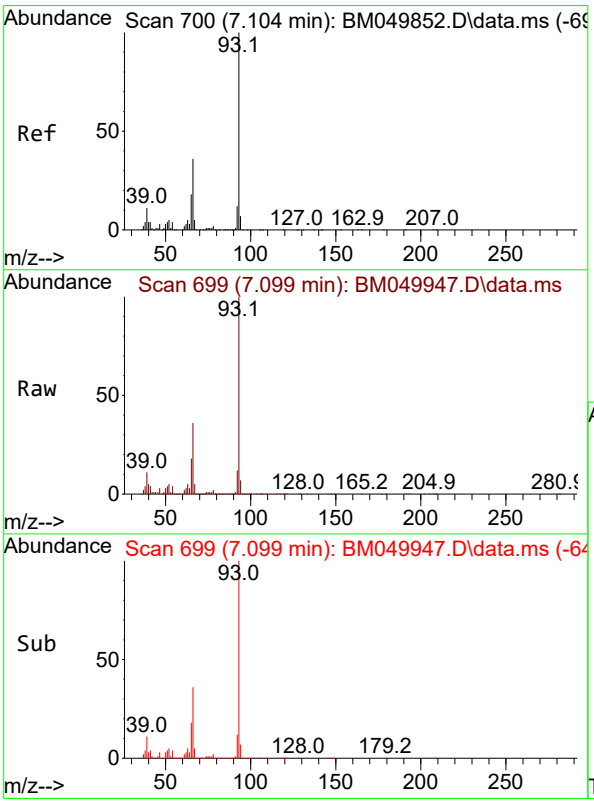
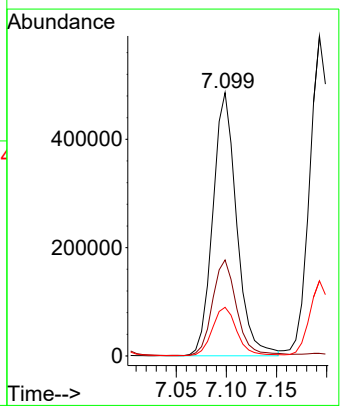


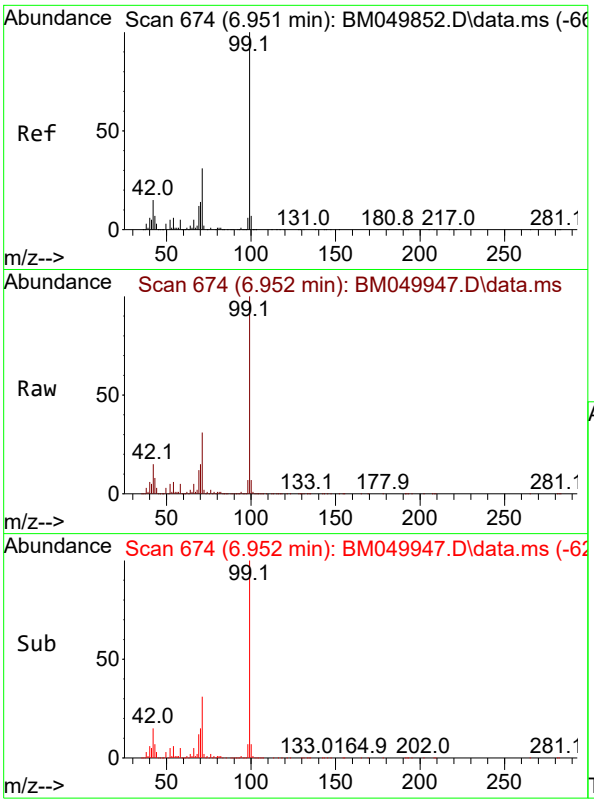


#6
Aniline
Concen: 38.077 ng
RT: 7.099 min Scan# 699
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 93 Resp: 802210

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.5	14.9	22.3

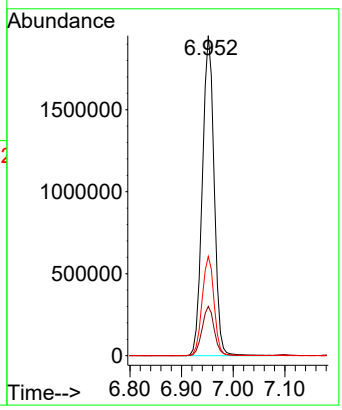




#7
Phenol-d6
Concen: 125.568 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 99 Resp: 308737

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.1	18.1
71	31.0	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
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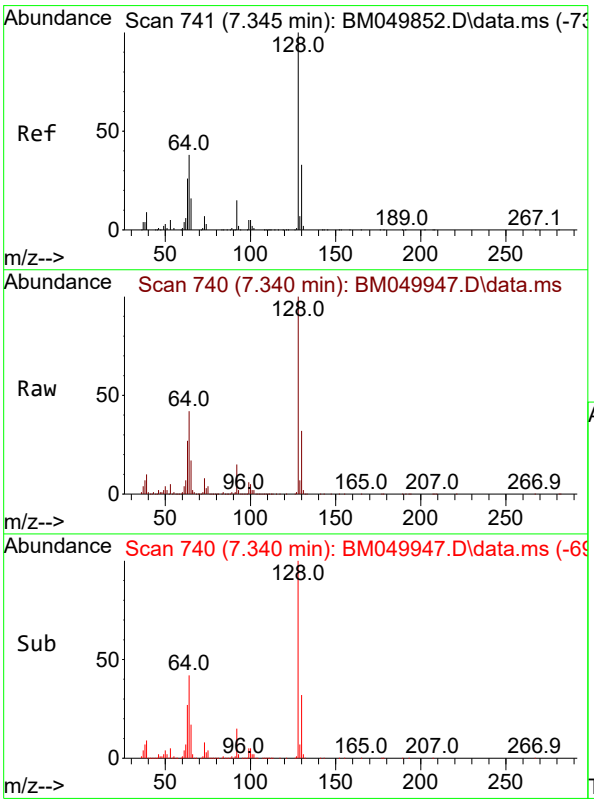
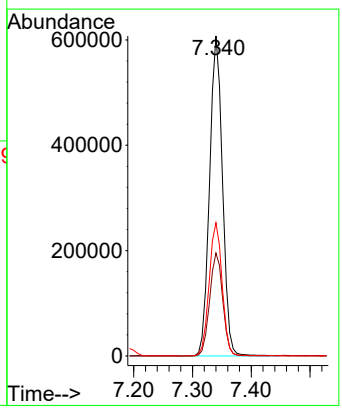
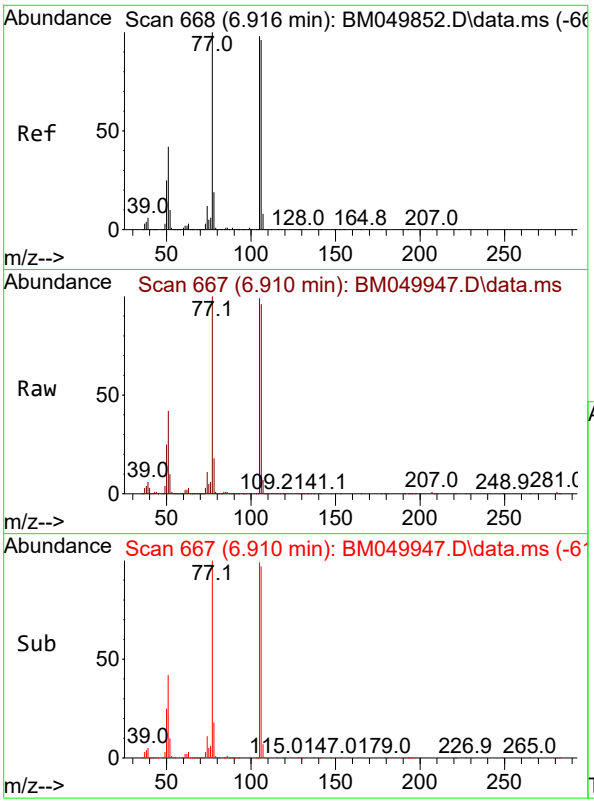


#8
2-Chlorophenol
Concen: 45.761 ng
RT: 7.340 min Scan# 740
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:128 Resp: 926757

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	41.6	21.1	61.1

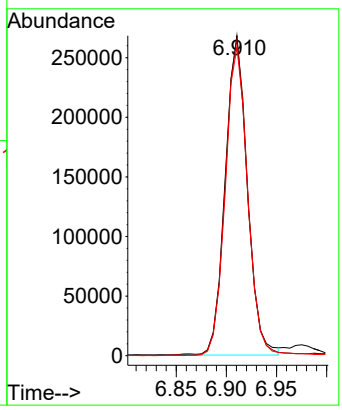




#9
Benzaldehyde
Concen: 32.502 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 77 Resp: 41008

Ion	Ratio	Lower	Upper
77	100		
105	99.0	78.3	118.3
106	96.3	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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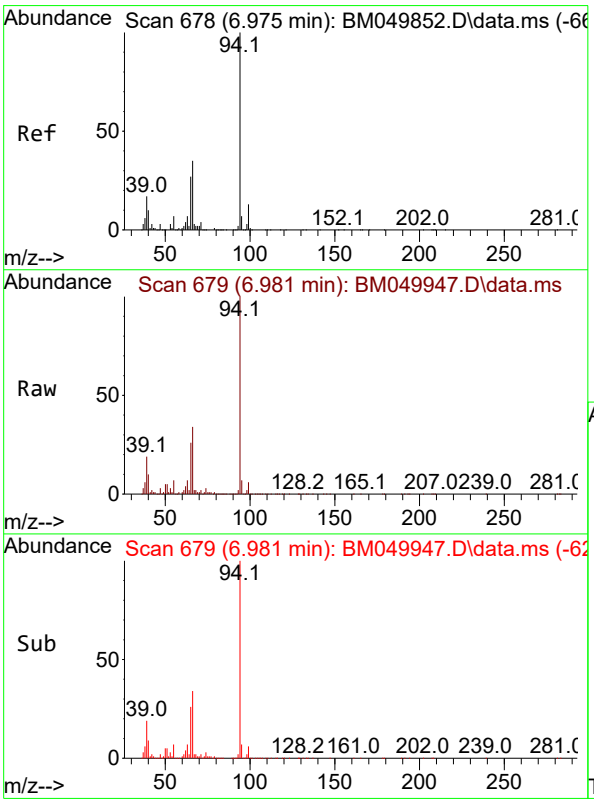
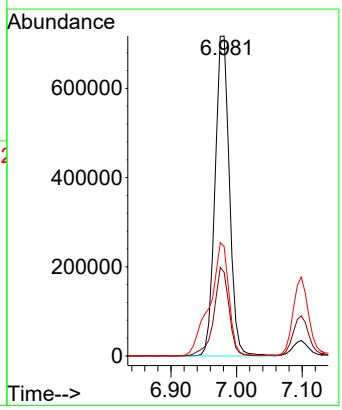
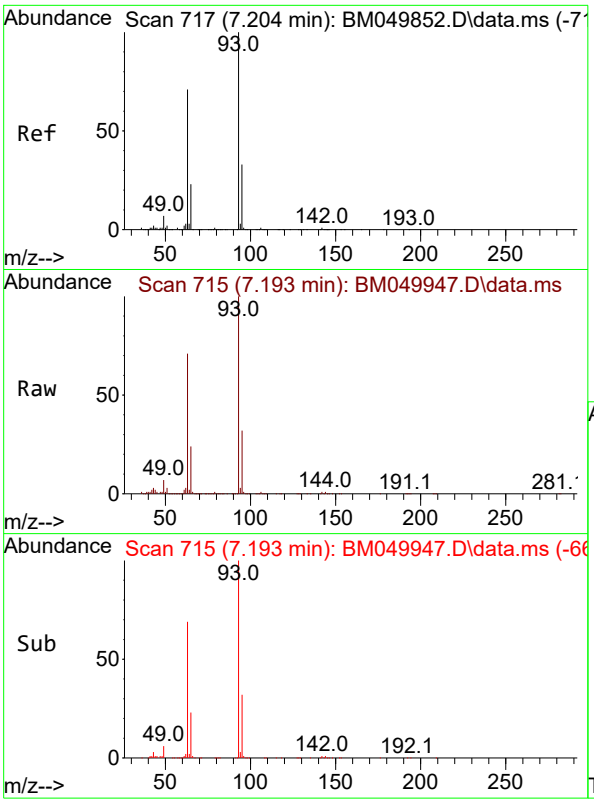


#10
Phenol
Concen: 45.526 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 94 Resp: 1092338

Ion	Ratio	Lower	Upper
94	100		
65	26.2	7.3	47.3
66	34.2	14.8	54.8

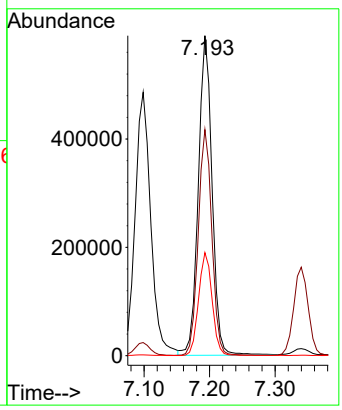




#11
bis(2-Chloroethyl)ether
Concen: 45.862 ng
RT: 7.193 min Scan# 7
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 93 Resp: 86292

Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.9	90.9
95	32.2	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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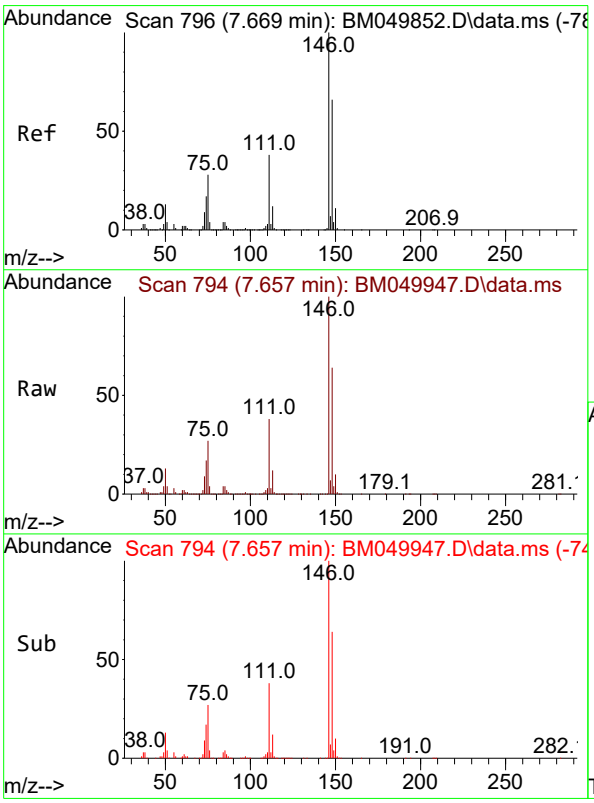
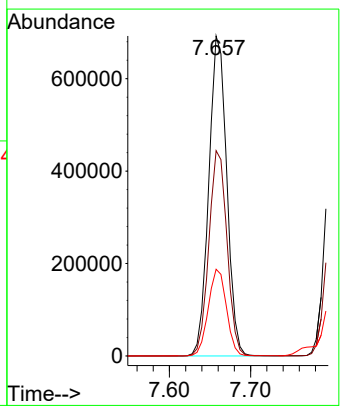
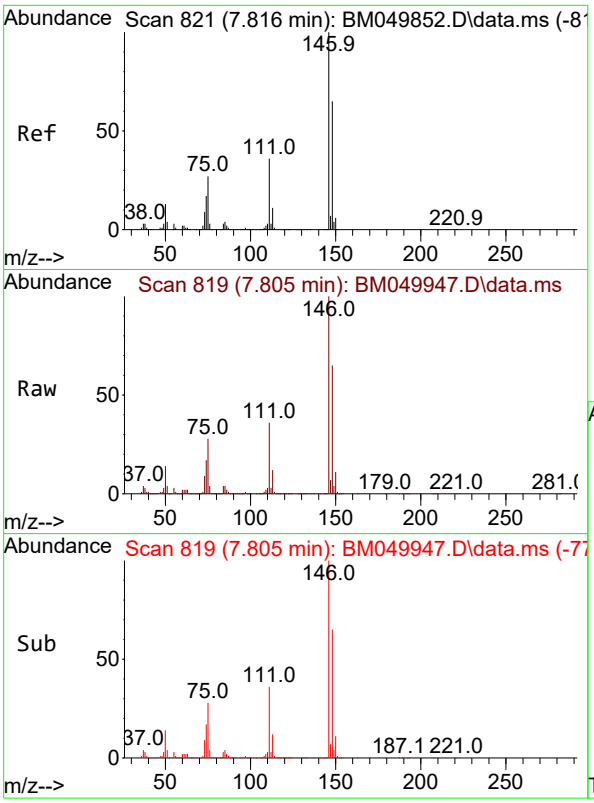


#12
1,3-Dichlorobenzene
Concen: 44.365 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:146 Resp: 1062242

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.5	78.7
75	27.1	22.5	33.7





#13
1,4-Dichlorobenzene
Concen: 44.511 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:146 Resp: 107235

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.4	78.6
111	36.3	28.5	42.7

Instrument :
BNA_M
ClientSampleId :
PB167509BS

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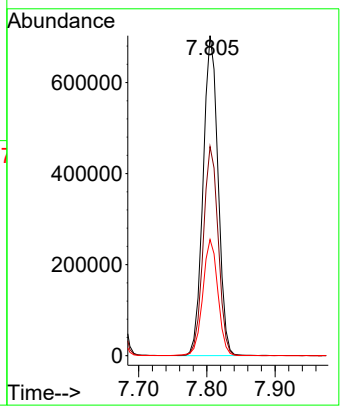
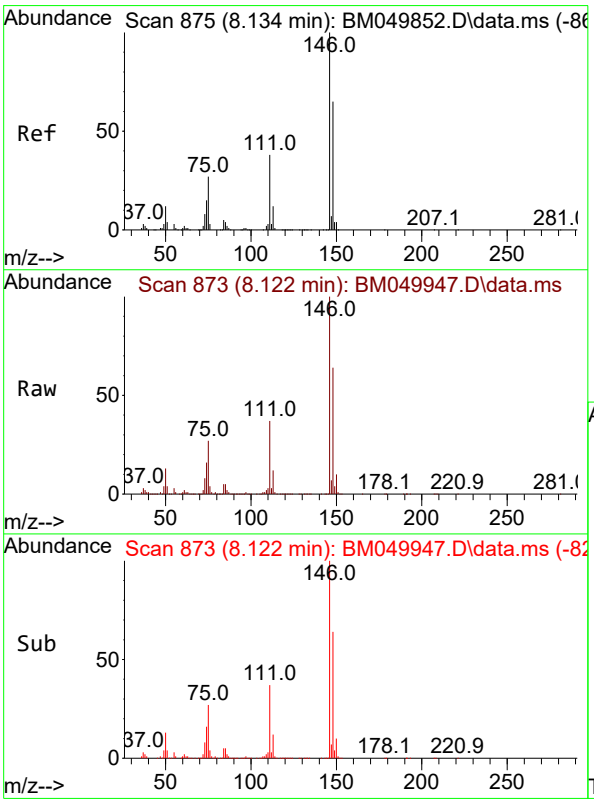
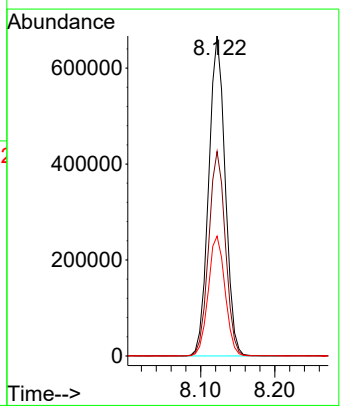


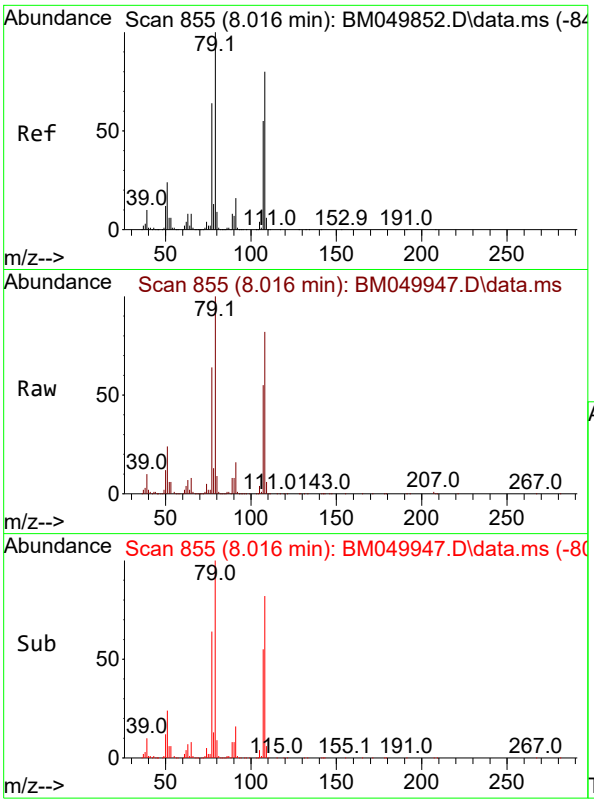


#14
1,2-Dichlorobenzene
Concen: 45.382 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:146 Resp: 1029815

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
111	37.5	30.2	45.4





#15
Benzyl Alcohol
Concen: 45.834 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 79 Resp: 70962

Ion	Ratio	Lower	Upper
79	100		
108	82.1	63.6	95.4
77	63.8	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
PB167509BS

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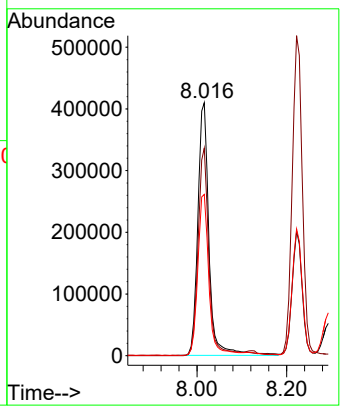
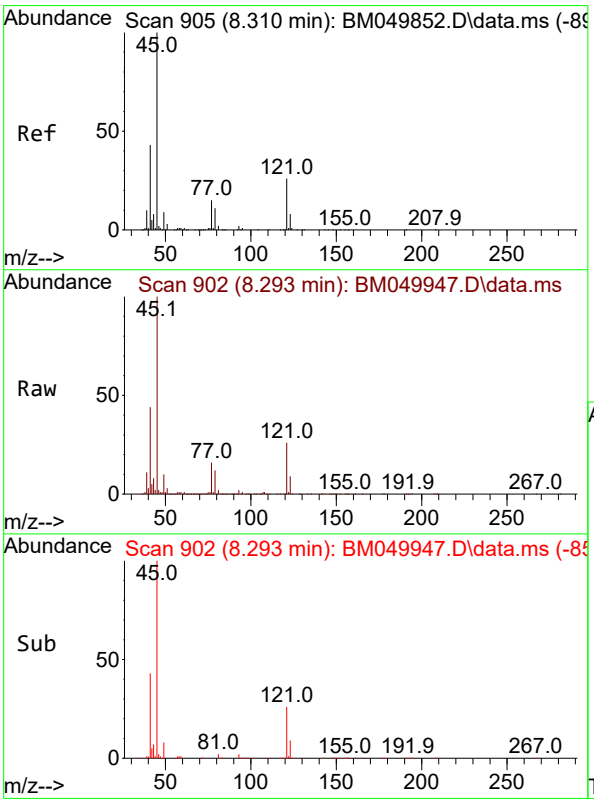
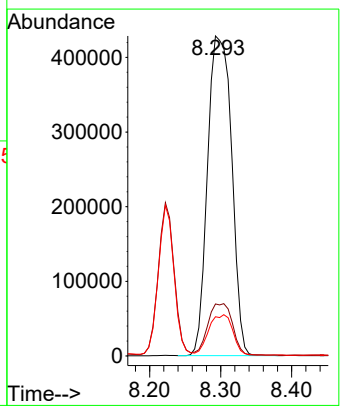


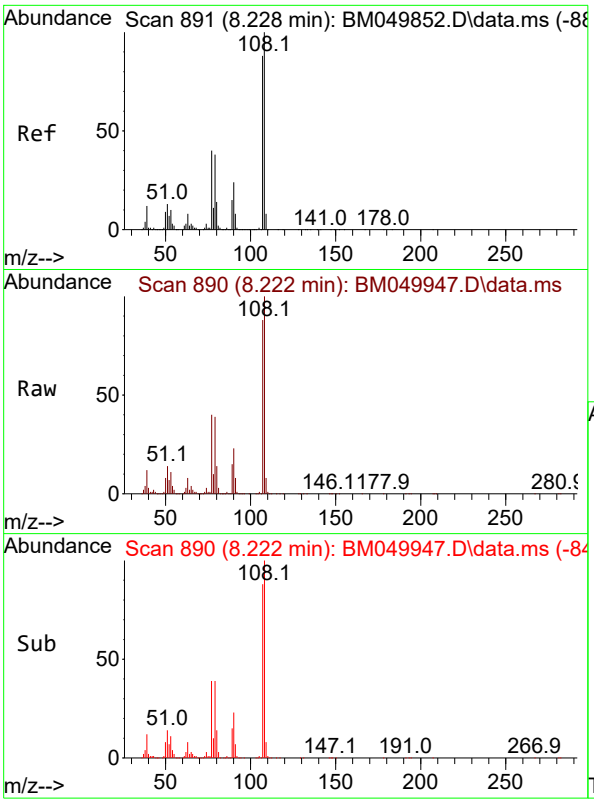


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.038 ng
RT: 8.293 min Scan# 902
Delta R.T. -0.017 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 45 Resp: 1007433

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	36.9
79	12.2	0.0	32.9

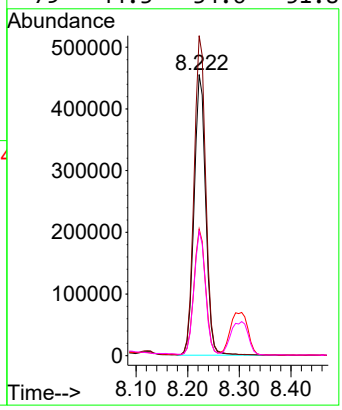




#17
2-Methylphenol
Concen: 48.112 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:107 Resp: 71138

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.0	136.6
77	45.1	36.5	54.7
79	44.3	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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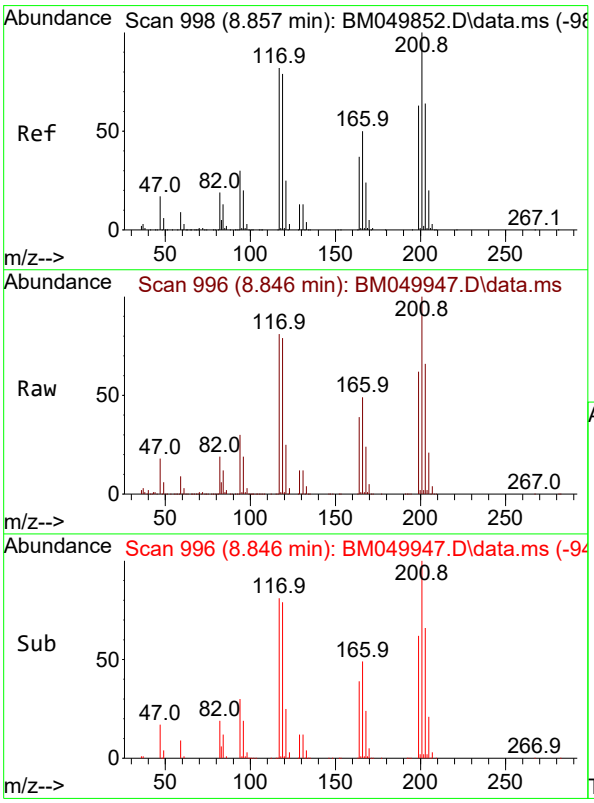
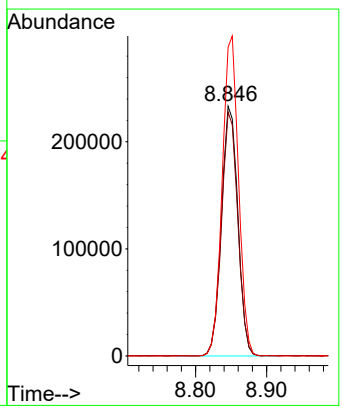
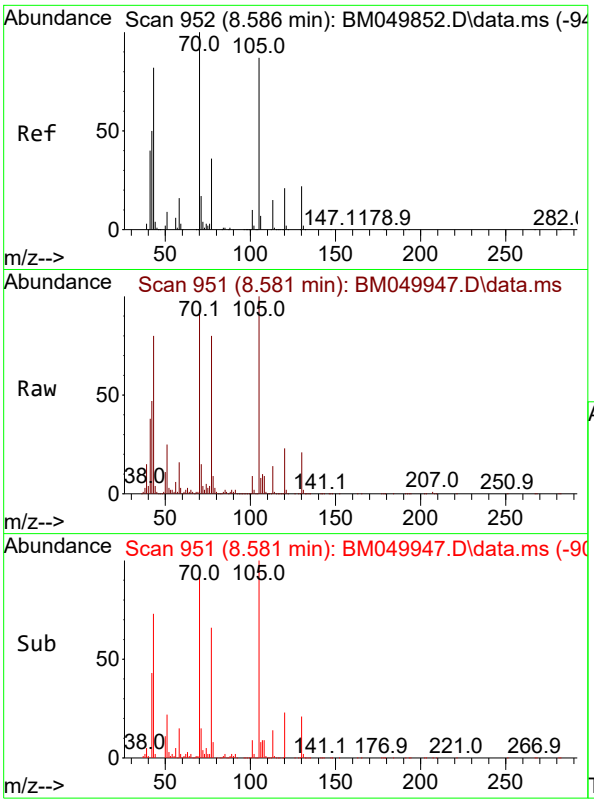


#18
Hexachloroethane
Concen: 44.738 ng
RT: 8.846 min Scan# 996
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:117 Resp: 374982

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.5	116.3
201	123.7	97.7	146.5





#19
n-Nitroso-di-n-propylamine
Concen: 45.985 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Tgt Ion: 70 Resp: 62621

Ion	Ratio	Lower	Upper
70	100		
42	50.9	40.2	60.2
101	10.1	7.9	11.9
130	22.2	17.7	26.5

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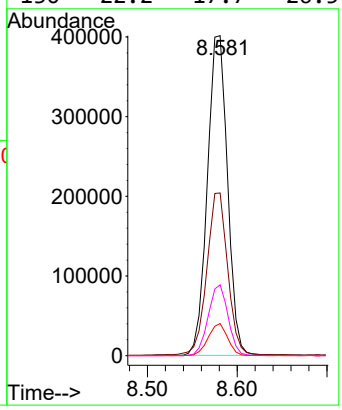
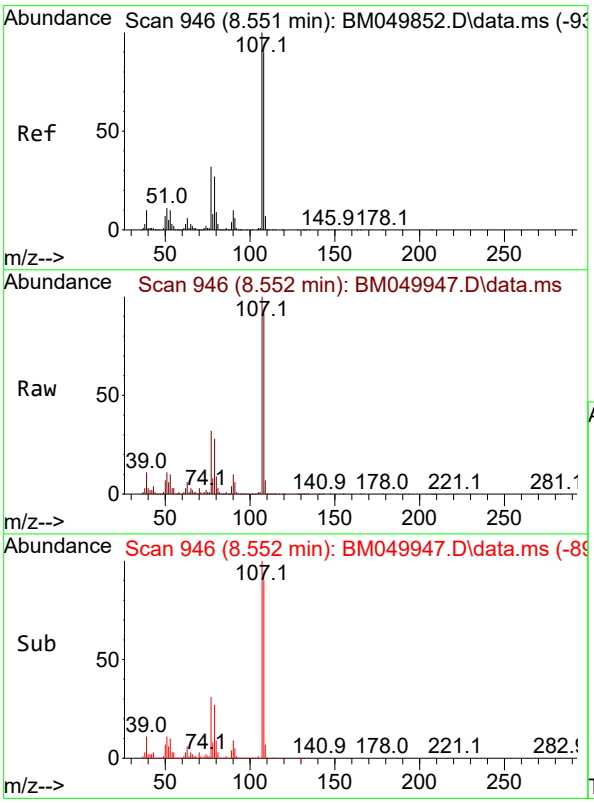
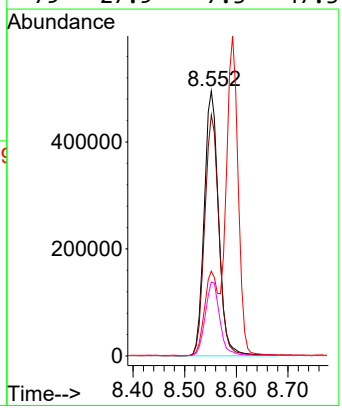


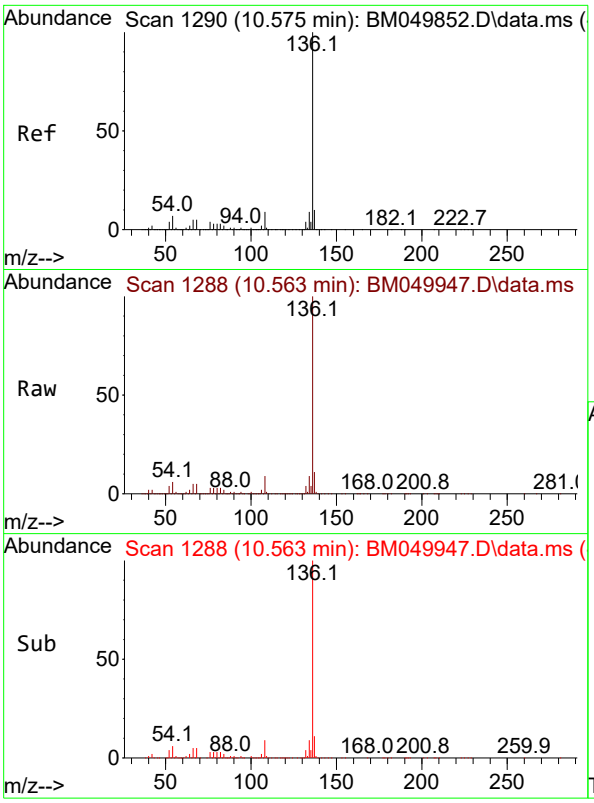


#20
3+4-Methylphenols
Concen: 47.329 ng
RT: 8.552 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:107 Resp: 954078

Ion	Ratio	Lower	Upper
107	100		
108	91.0	69.6	109.6
77	32.0	11.7	51.7
79	27.9	7.3	47.3

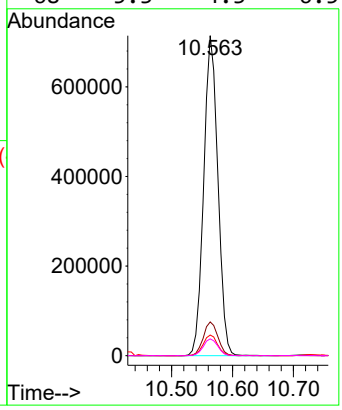




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:136 Resp: 115415

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	6.5	5.3	7.9
68	5.3	4.3	6.5



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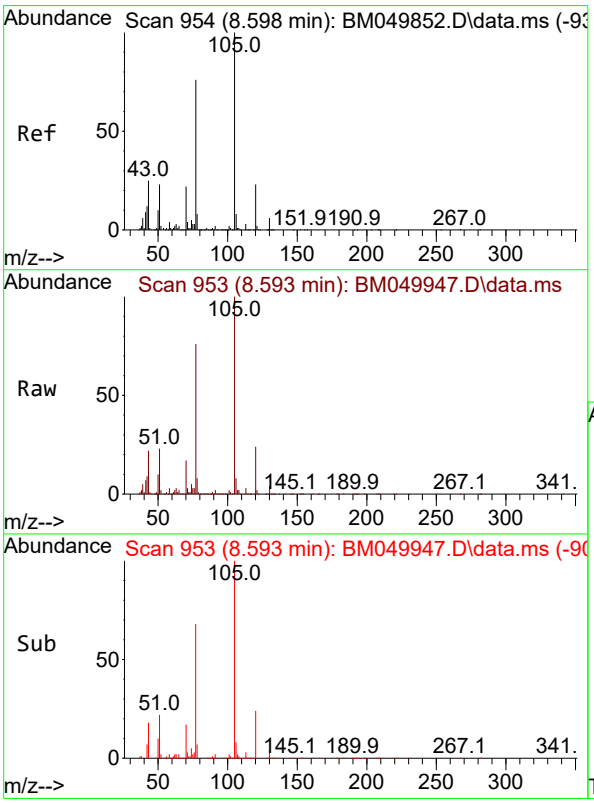
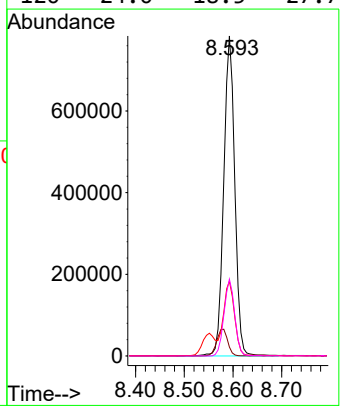
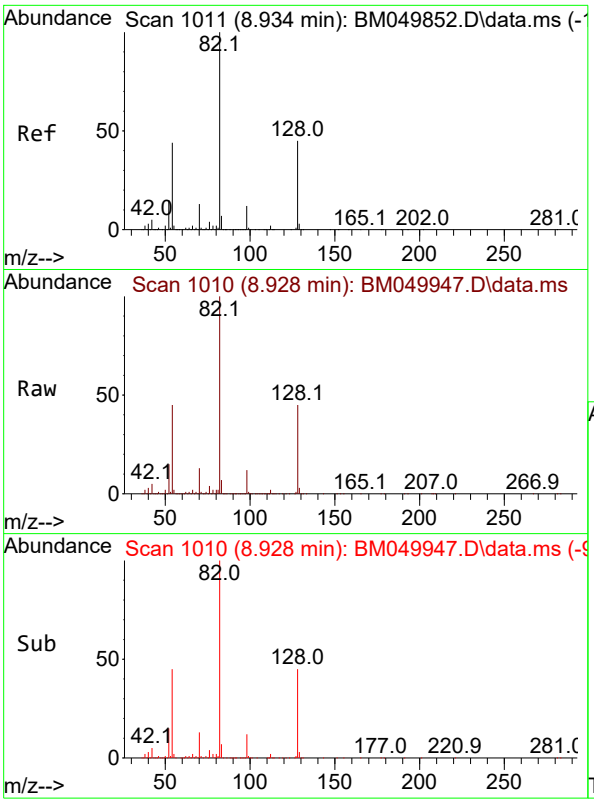


#22
Acetophenone
Concen: 44.260 ng
RT: 8.593 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:105 Resp: 1241485

Ion	Ratio	Lower	Upper
105	100		
71	2.8	3.0	4.4#
51	23.4	18.6	27.8
120	24.0	18.5	27.7





#23
Nitrobenzene-d5
Concen: 87.189 ng
RT: 8.928 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 82 Resp: 180712

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.2	54.2
54	44.7	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
PB167509BS

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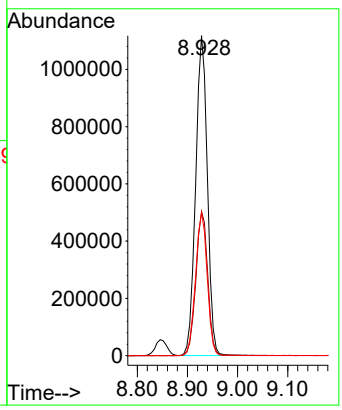
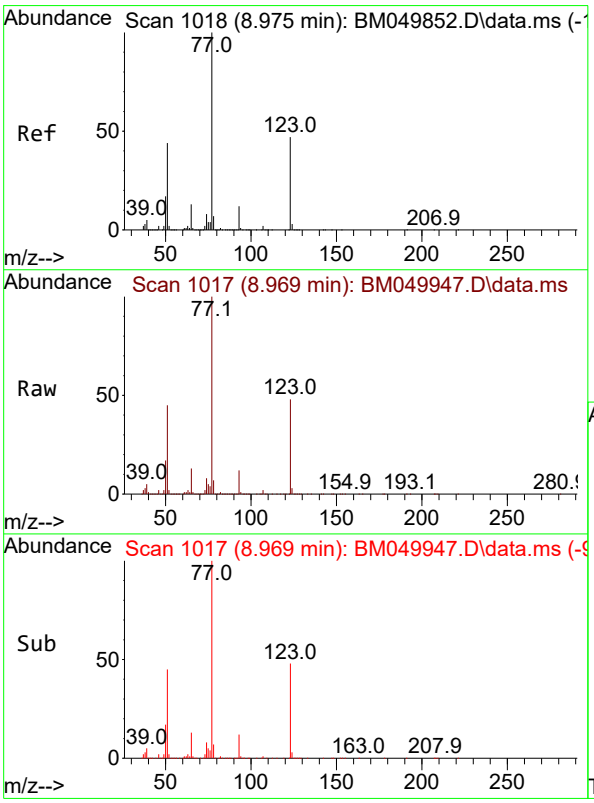
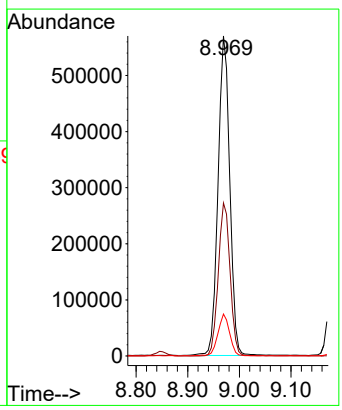


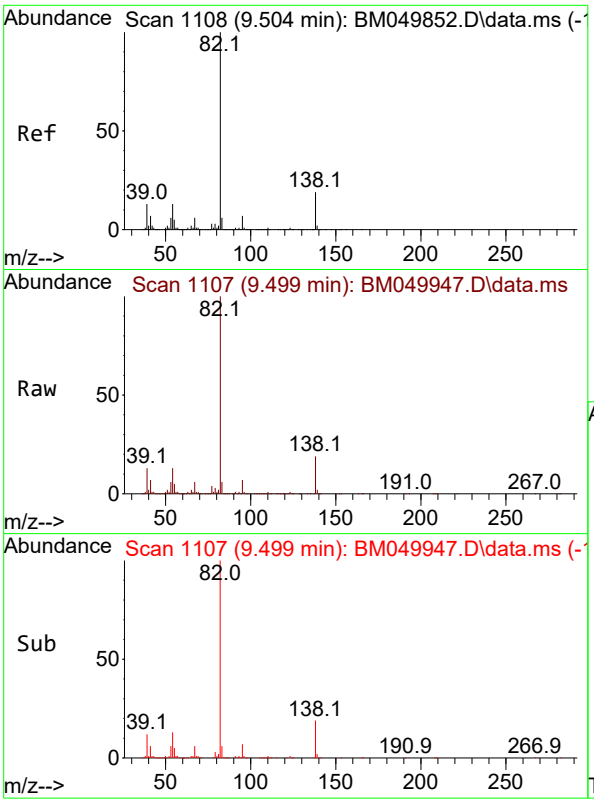


#24
Nitrobenzene
Concen: 44.947 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 77 Resp: 897029

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.4	56.2
65	13.1	10.1	15.1

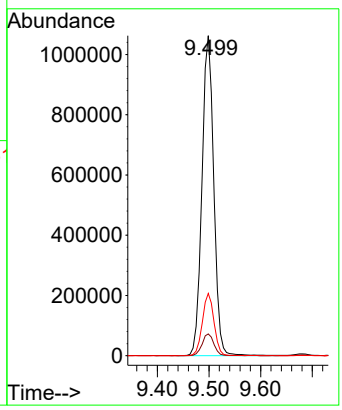




#25
Isophorone
Concen: 48.483 ng
RT: 9.499 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 82 Resp: 168337

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.5	15.0	22.6



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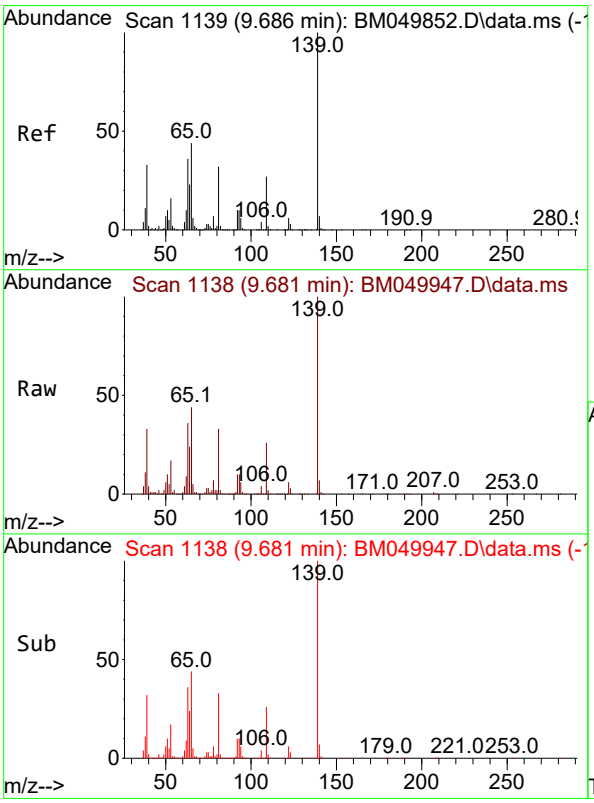
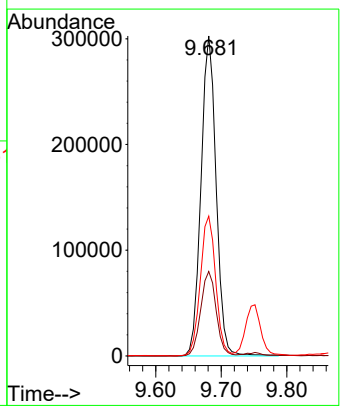
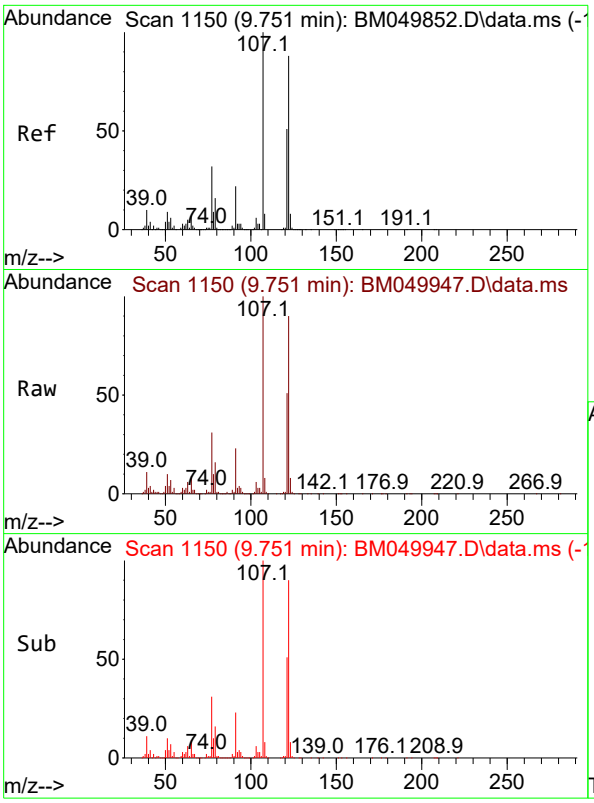


#26
2-Nitrophenol
Concen: 46.053 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:139 Resp: 487144

Ion	Ratio	Lower	Upper
139	100		
109	26.4	21.7	32.5
65	43.7	35.2	52.8

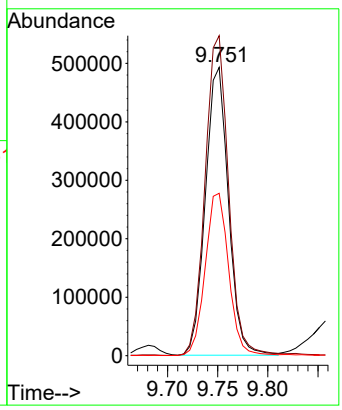




#27
2,4-Dimethylphenol
Concen: 65.846 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:122 Resp: 78935

Ion	Ratio	Lower	Upper
122	100		
107	111.0	90.3	135.5
121	56.3	46.1	69.1



Instrument :
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ClientSampleId :
PB167509BS

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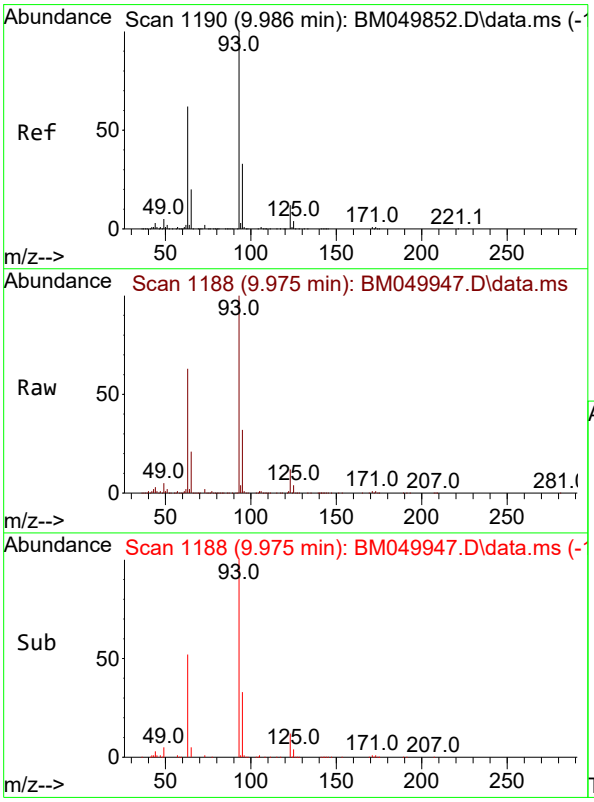
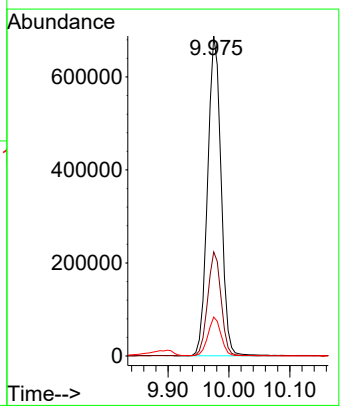
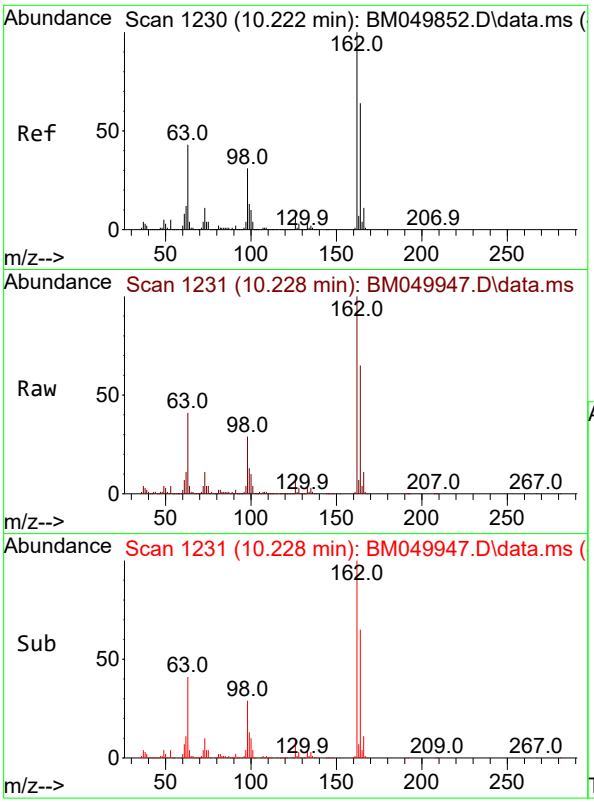


#28
bis(2-Chloroethoxy)methane
Concen: 45.383 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 93 Resp: 1054935

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	12.1	9.5	14.3

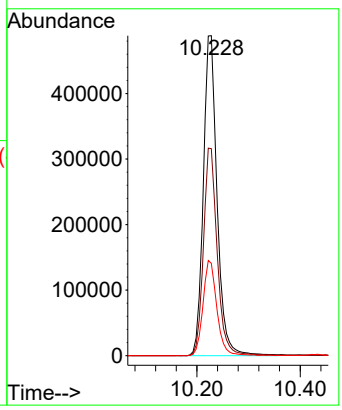




#29
2,4-Dichlorophenol
Concen: 45.368 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:162 Resp: 90403

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	28.9	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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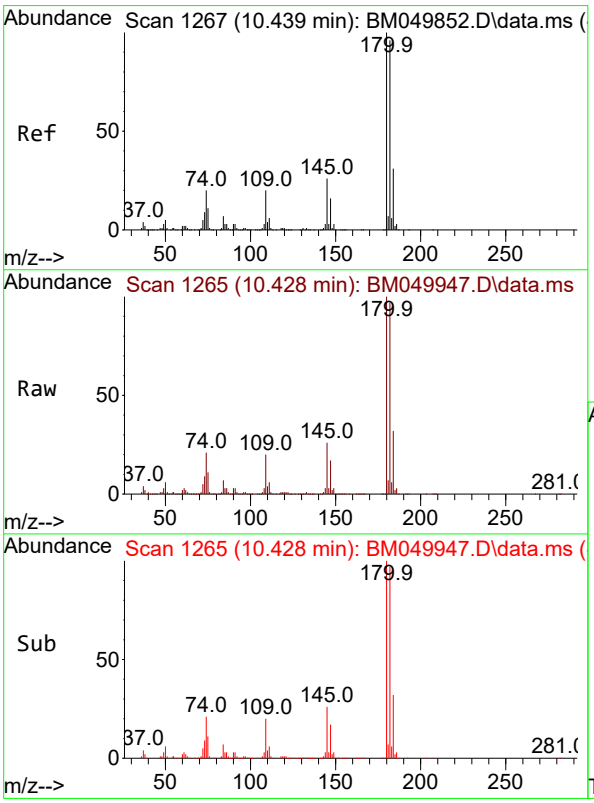
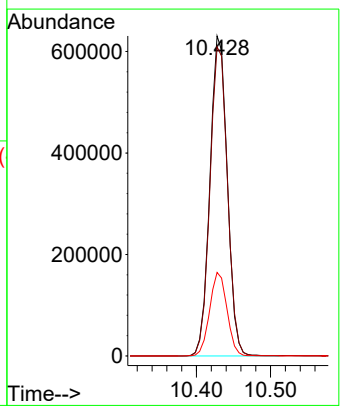
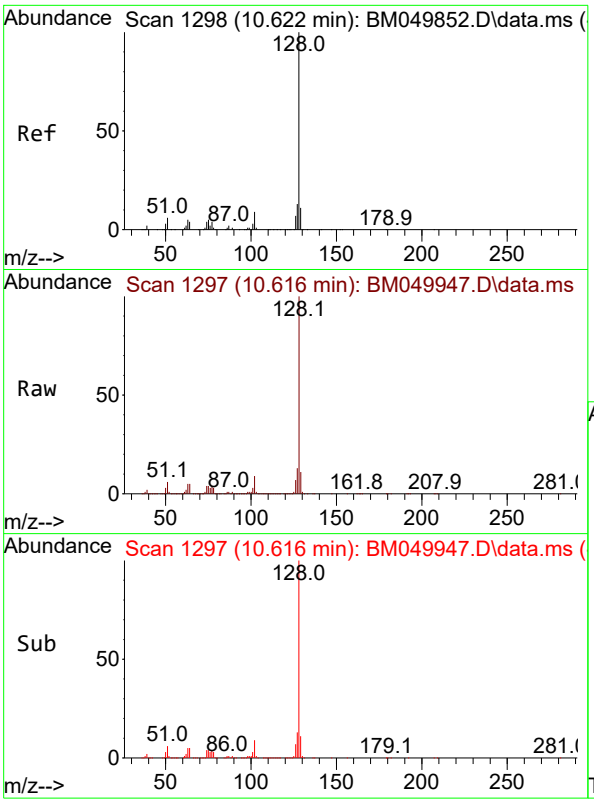


#30
1,2,4-Trichlorobenzene
Concen: 44.503 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:180 Resp: 1025903

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.7	115.1
145	26.1	20.8	31.2

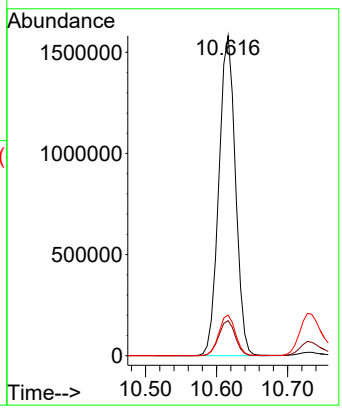




#31
Naphthalene
Concen: 43.115 ng
RT: 10.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:128 Resp: 255693

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.7	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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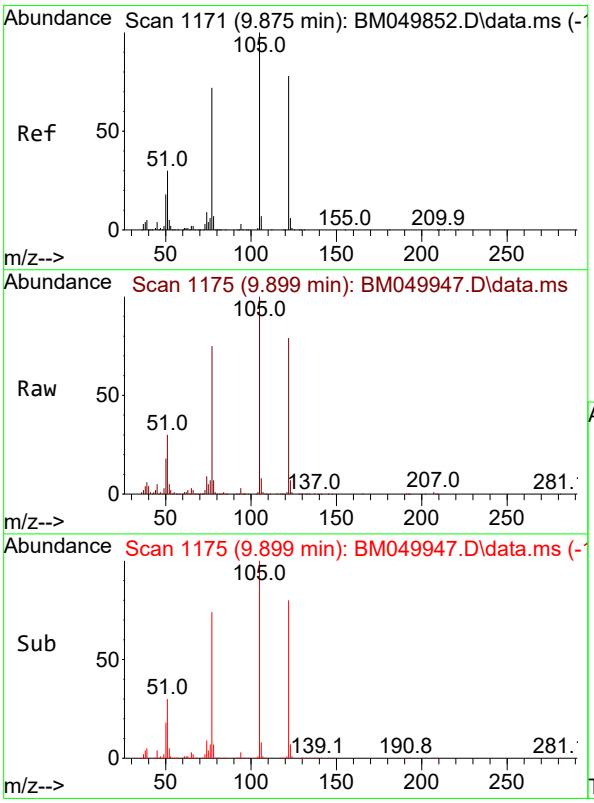
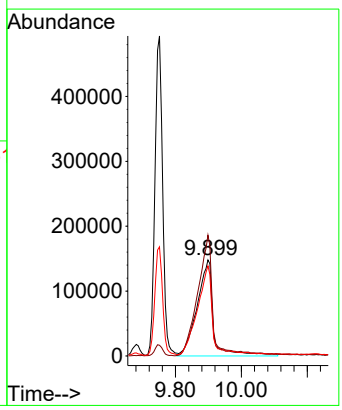
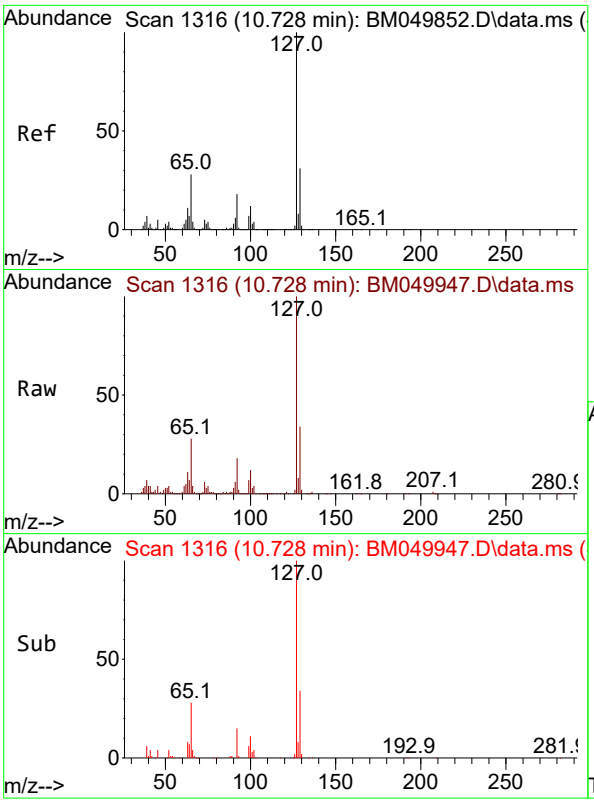


#32
Benzoic acid
Concen: 36.793 ng m
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:122 Resp: 510676

Ion	Ratio	Lower	Upper
122	100		
105	125.9	103.8	143.8
77	93.9	70.7	110.7

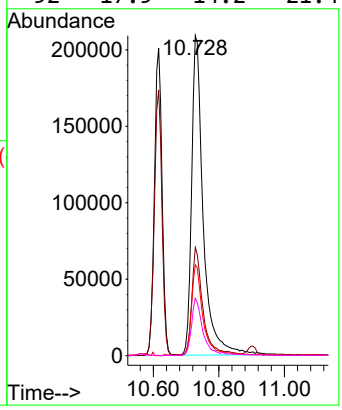




#33
4-Chloroaniline
Concen: 24.724 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:127 Resp: 51774

Ion	Ratio	Lower	Upper
127	100		
129	33.8	24.9	37.3
65	28.4	22.4	33.6
92	17.9	14.2	21.4



Instrument :
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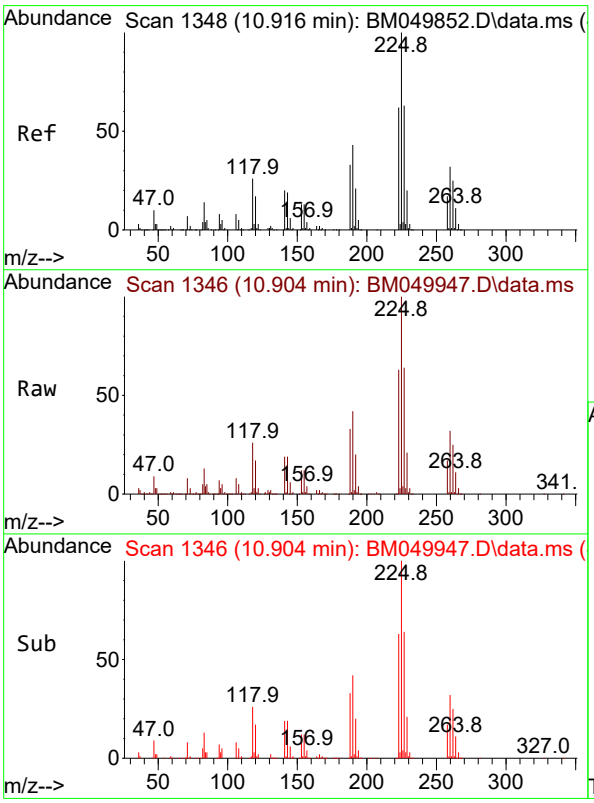
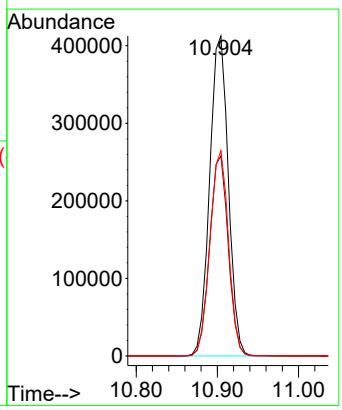
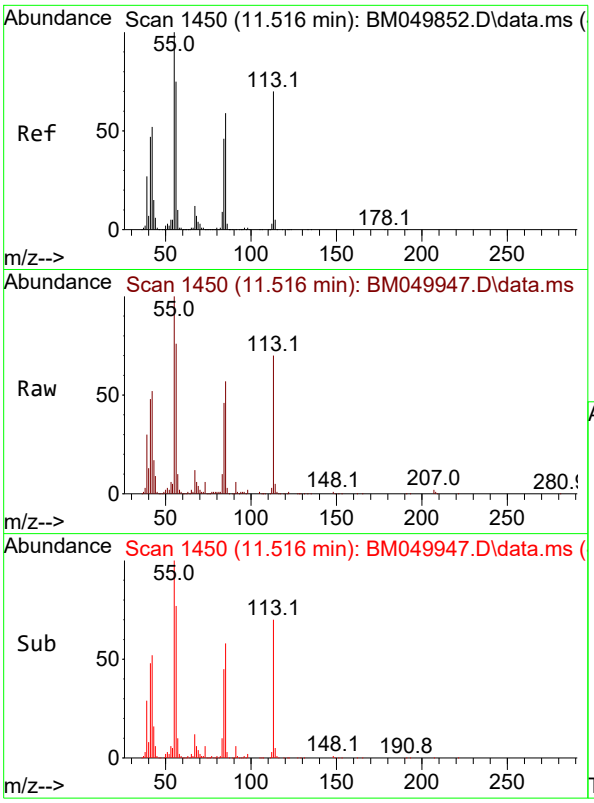


#34
Hexachlorobutadiene
Concen: 46.174 ng
RT: 10.904 min Scan# 1346
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:225 Resp: 658407

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.4	74.2
227	64.2	50.1	75.1

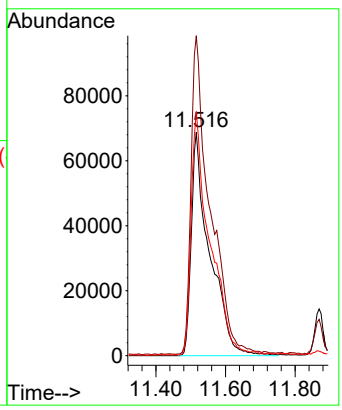




#35
Caprolactam
Concen: 43.988 ng
RT: 11.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:113 Resp: 25140

Ion	Ratio	Lower	Upper
113	100		
55	143.2	124.3	164.3
56	109.3	87.5	127.5



Instrument :
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ClientSampleId :
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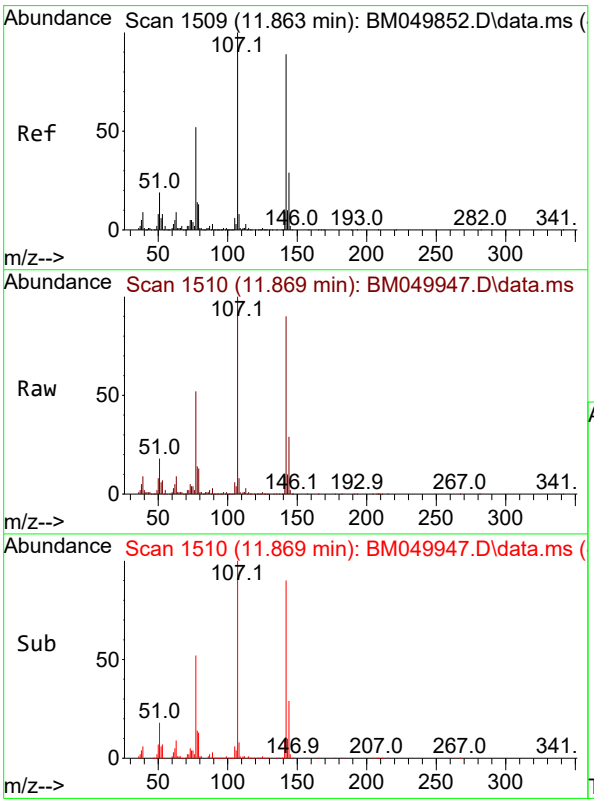
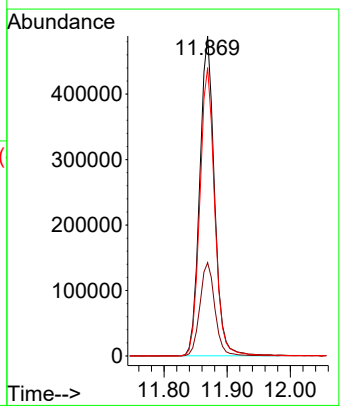
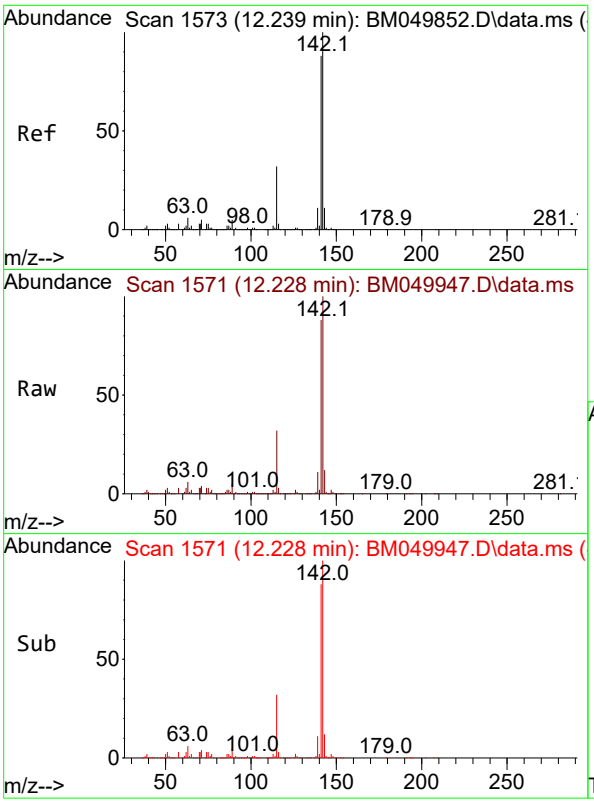


#36
4-Chloro-3-methylphenol
Concen: 45.467 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:107 Resp: 793616

Ion	Ratio	Lower	Upper
107	100		
144	29.2	23.6	35.4
142	90.1	71.4	107.0

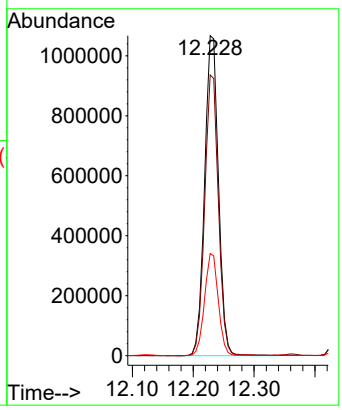




#37
2-Methylnaphthalene
Concen: 40.312 ng
RT: 12.228 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:142 Resp: 168439

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.2
115	31.9	25.4	38.2



Instrument :
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ClientSampleId :
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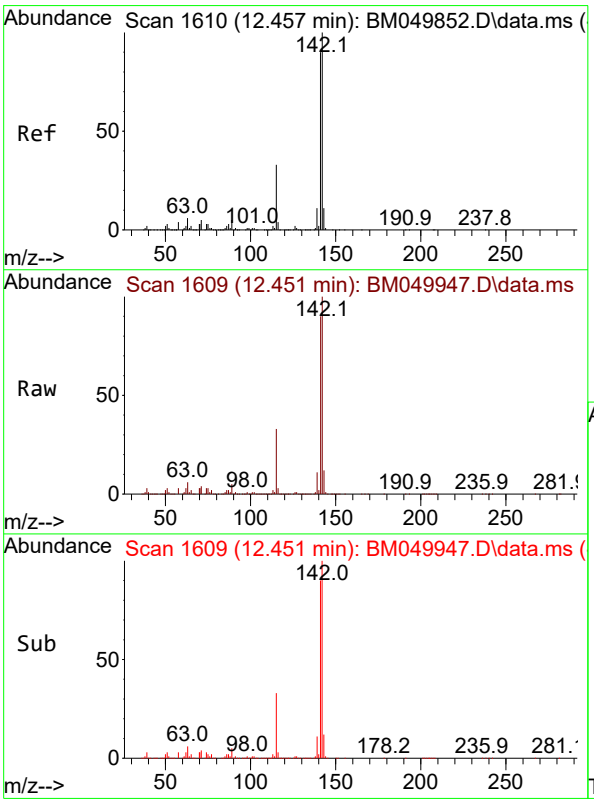
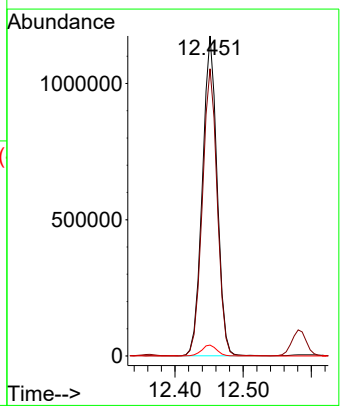
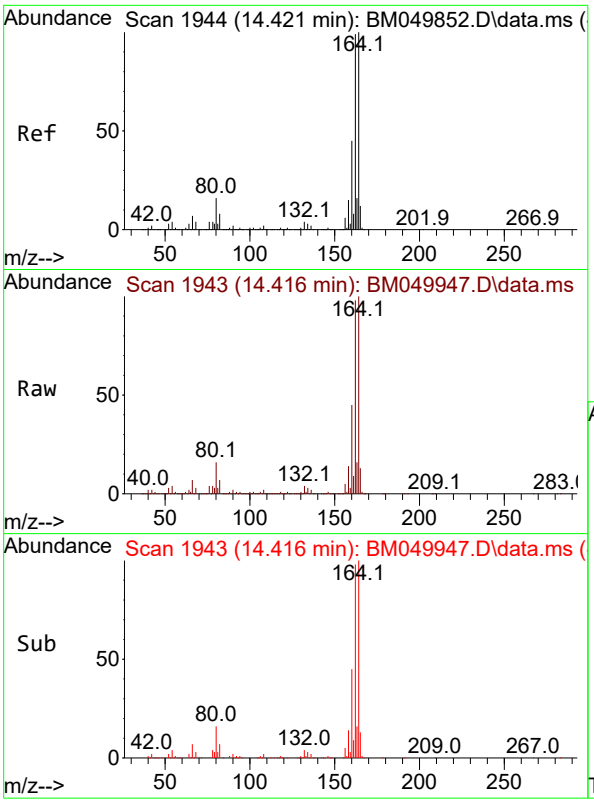


#38
1-Methylnaphthalene
Concen: 43.198 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:142 Resp: 1758489

Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.2	108.2
116	3.4	2.9	4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:164 Resp: 72317

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.4	119.0
160	44.5	36.2	54.2

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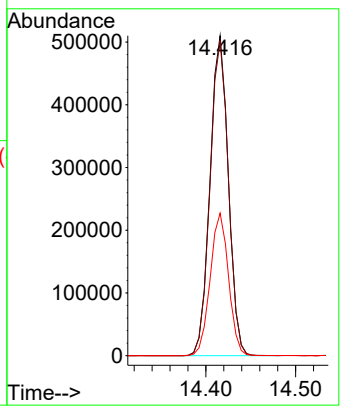
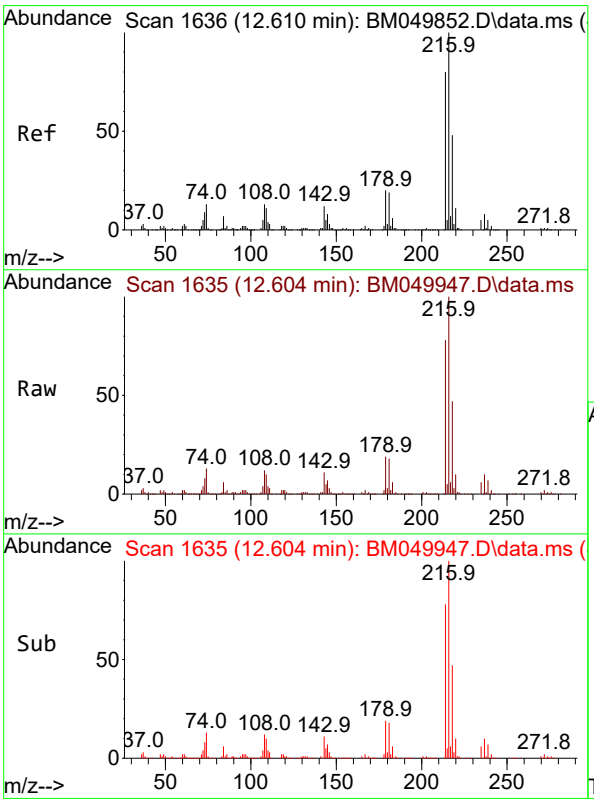
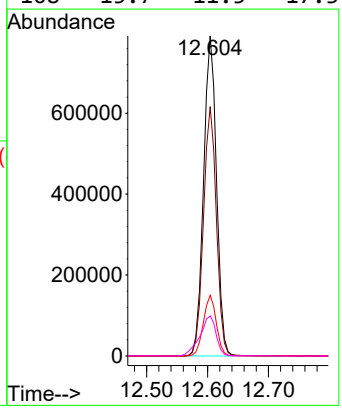


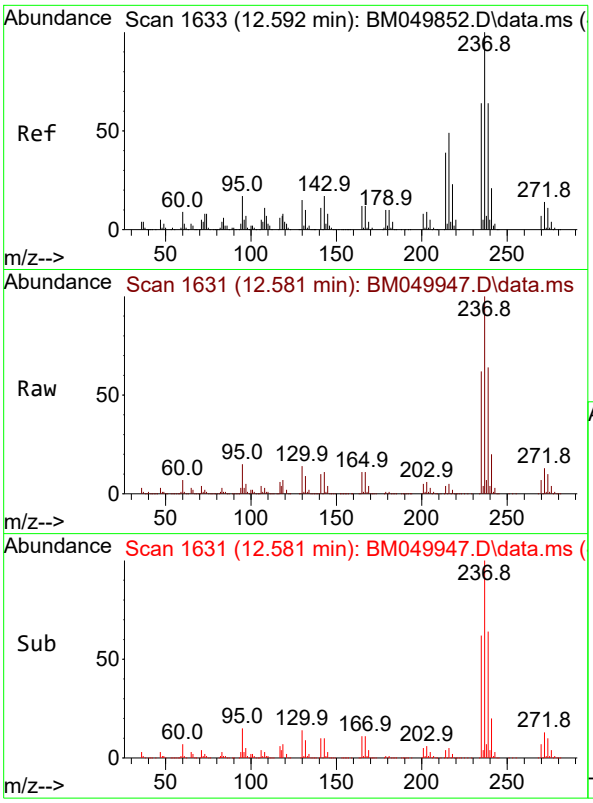


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.145 ng
RT: 12.604 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:216 Resp: 1167474

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.2	94.8
179	18.9	15.8	23.6
108	15.7	11.5	17.3

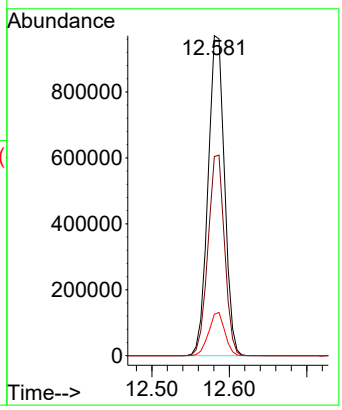




#41
Hexachlorocyclopentadiene
Concen: 161.644 ng
RT: 12.581 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:237 Resp: 143301

Ion	Ratio	Lower	Upper
237	100		
235	62.2	43.7	83.7
272	12.9	0.0	33.5



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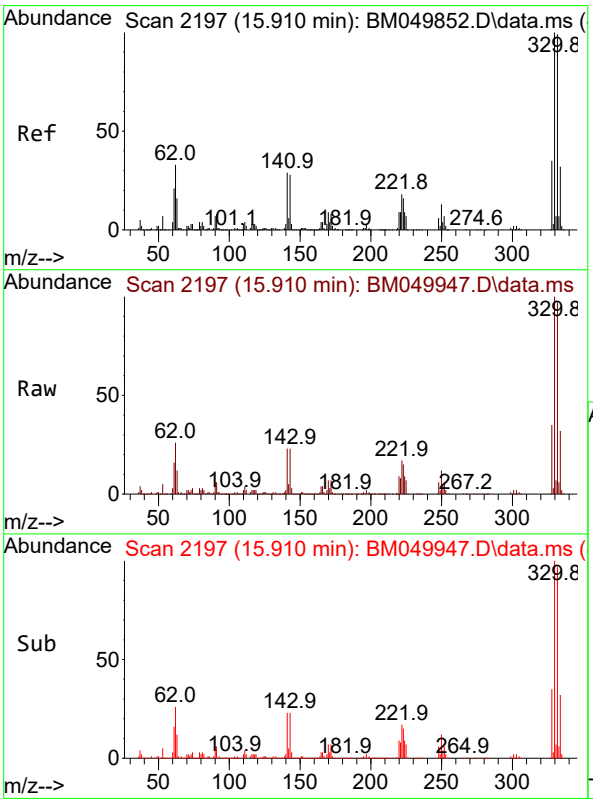
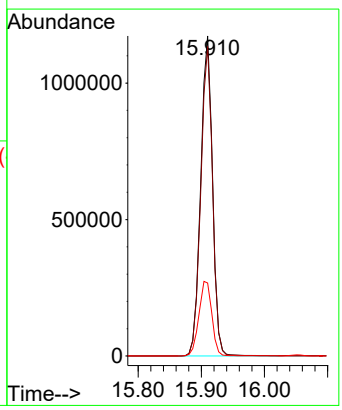
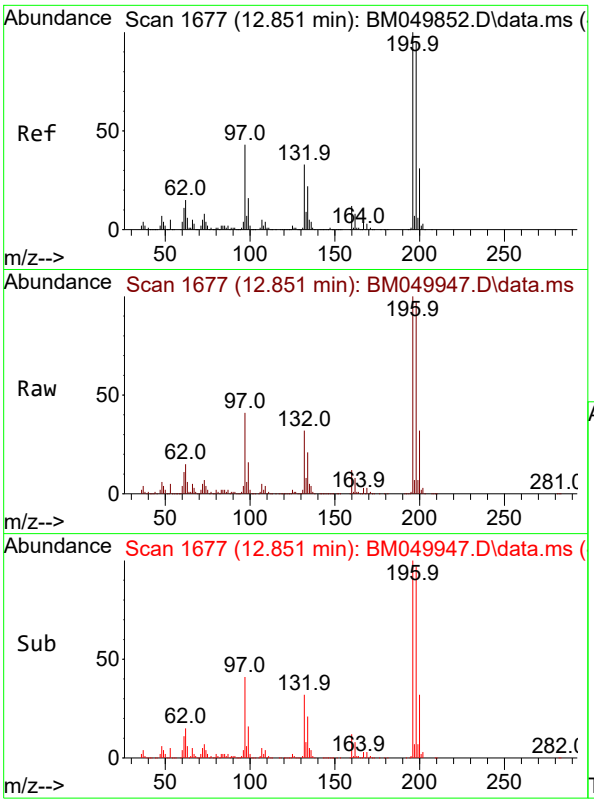


#42
2,4,6-Tribromophenol
Concen: 144.930 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:330 Resp: 1524489

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	25.5	23.5	35.3





#43
2,4,6-Trichlorophenol
Concen: 47.982 ng
RT: 12.851 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:196 Resp: 77246(

Ion	Ratio	Lower	Upper
196	100		
198	97.3	76.1	114.1
200	31.6	24.7	37.1

Instrument :
BNA_M
ClientSampleId :
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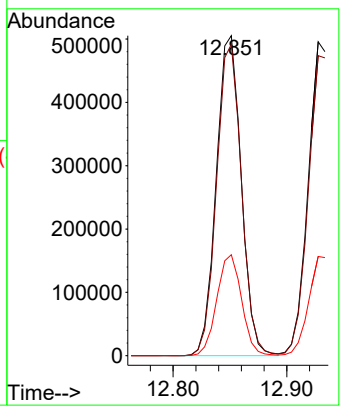
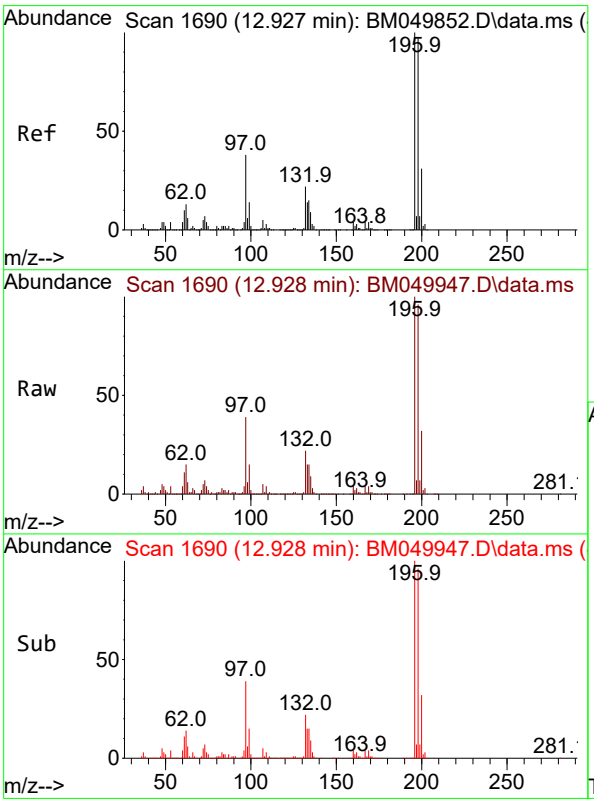
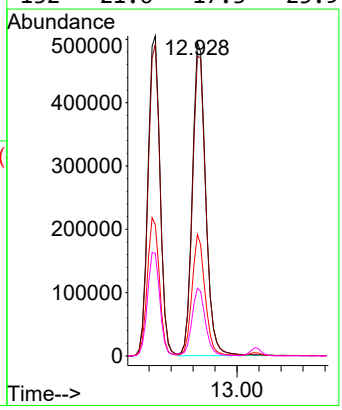


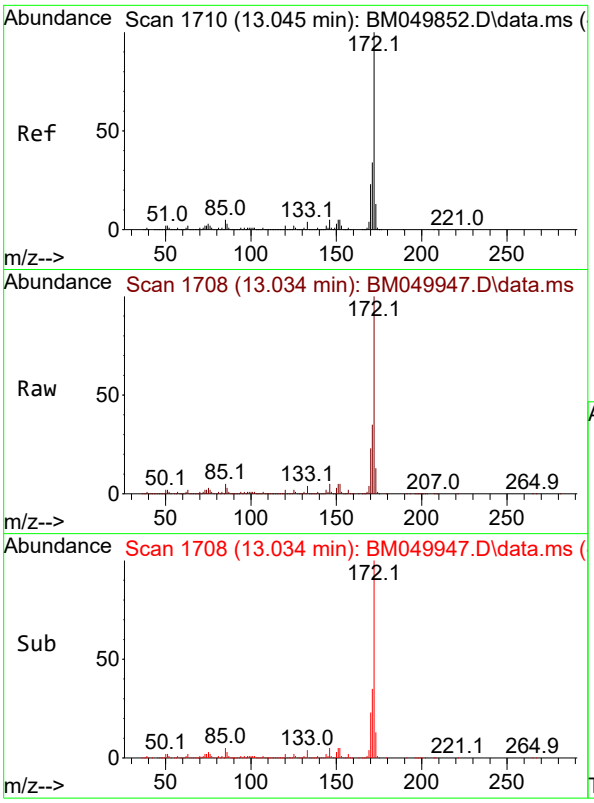


#44
2,4,5-Trichlorophenol
Concen: 47.656 ng
RT: 12.928 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:196 Resp: 833745

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.7	116.5
97	38.7	30.3	45.5
132	21.6	17.3	25.9

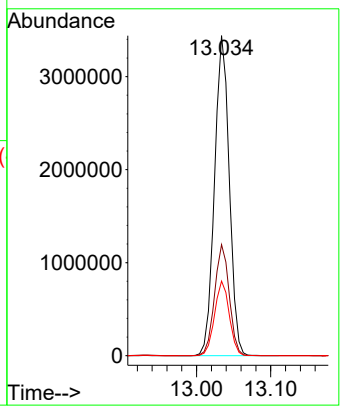




#45
2-Fluorobiphenyl
Concen: 89.163 ng
RT: 13.034 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:172 Resp: 475513

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.2
170	23.3	18.6	28.0



Instrument :
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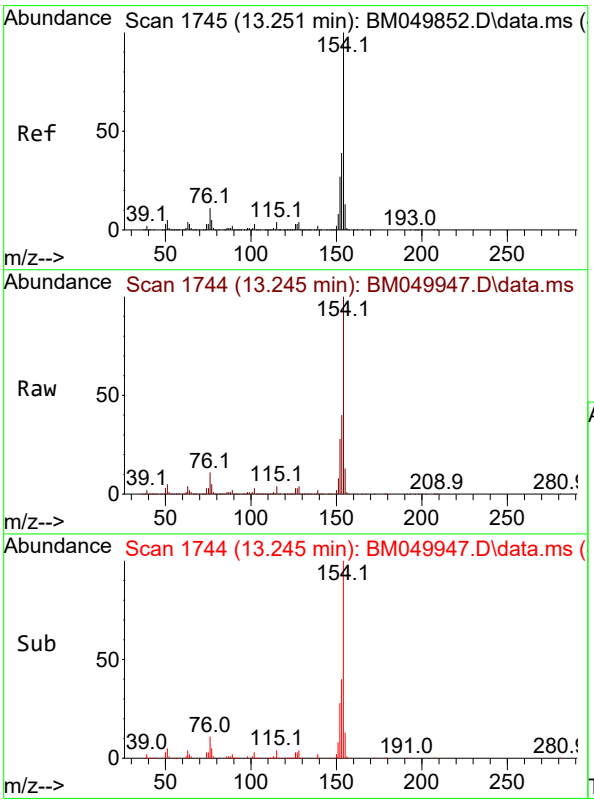
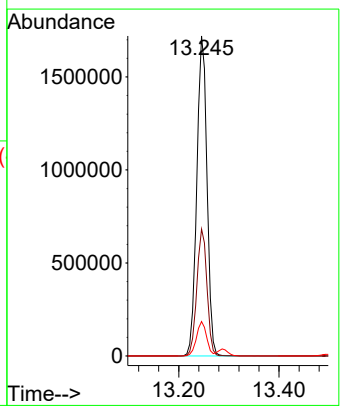
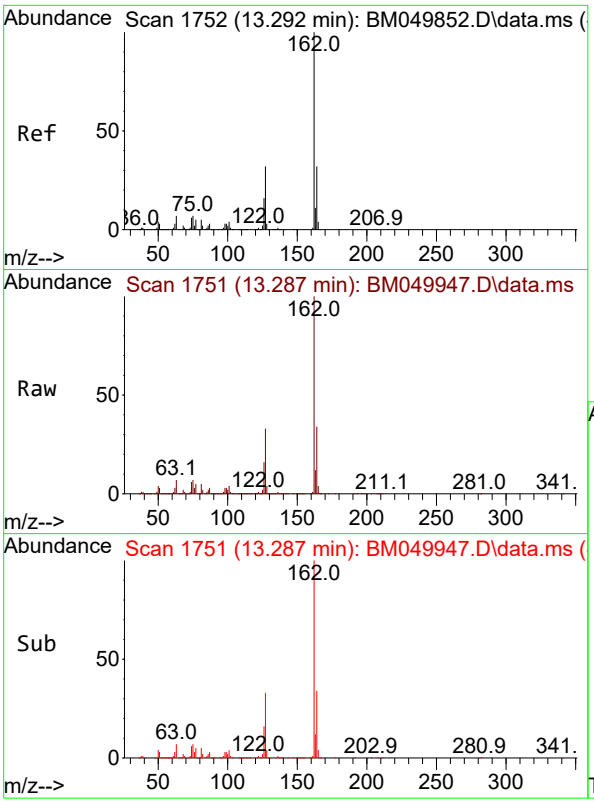


#46
1,1'-Biphenyl
Concen: 45.059 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:154 Resp: 2422318

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	10.8	0.0	30.7

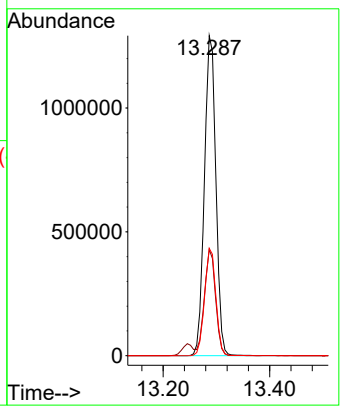




#47
2-Chloronaphthalene
Concen: 45.579 ng
RT: 13.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:162 Resp: 192586

Ion	Ratio	Lower	Upper
162	100		
127	33.2	26.0	39.0
164	33.6	25.9	38.9



Instrument :
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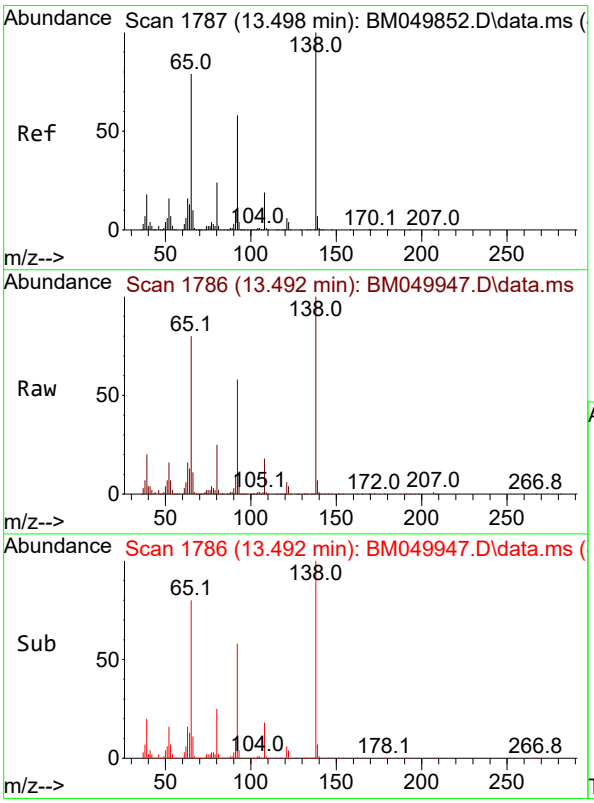
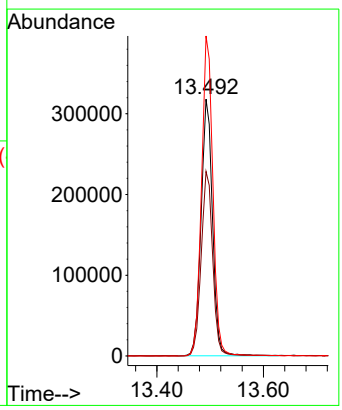
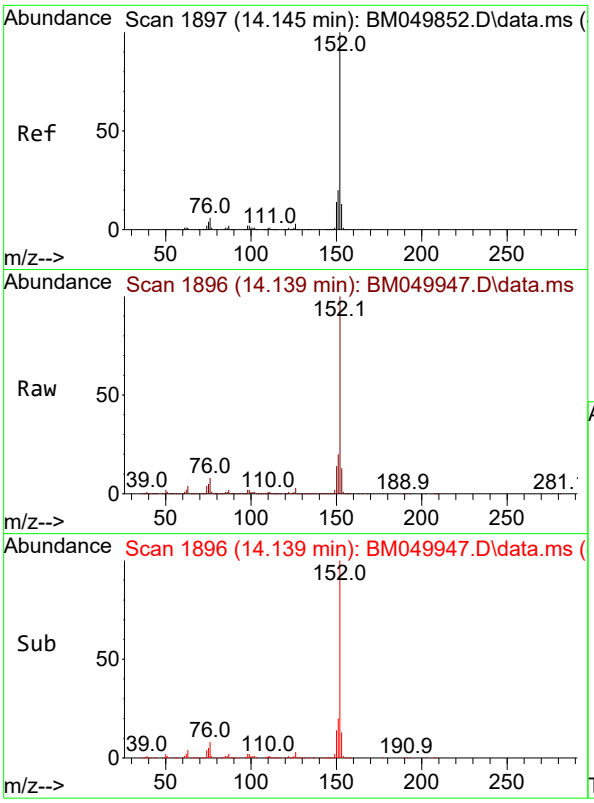


#48
2-Nitroaniline
Concen: 48.580 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 65 Resp: 474869

Ion	Ratio	Lower	Upper
65	100		
92	71.8	58.4	87.6
138	124.6	100.8	151.2





#49
Acenaphthylene
Concen: 49.510 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Tgt Ion:152 Resp: 304725

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.3	10.4	15.6

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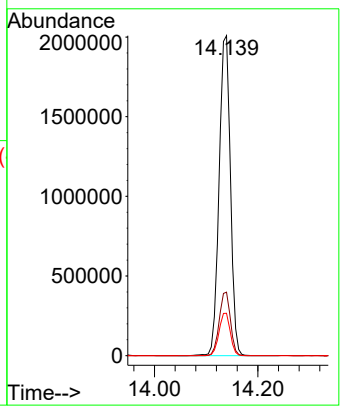
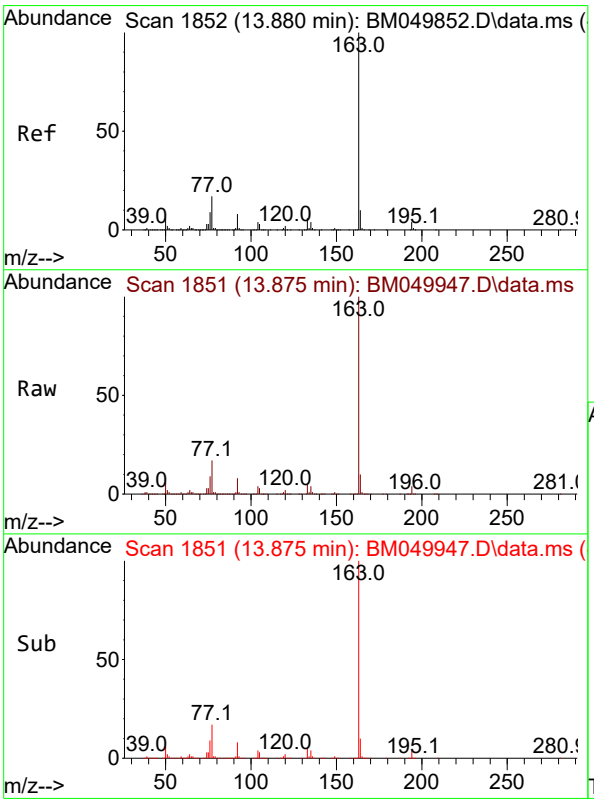
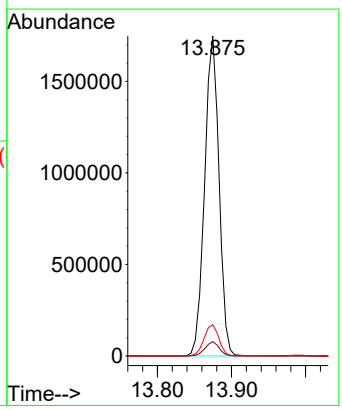


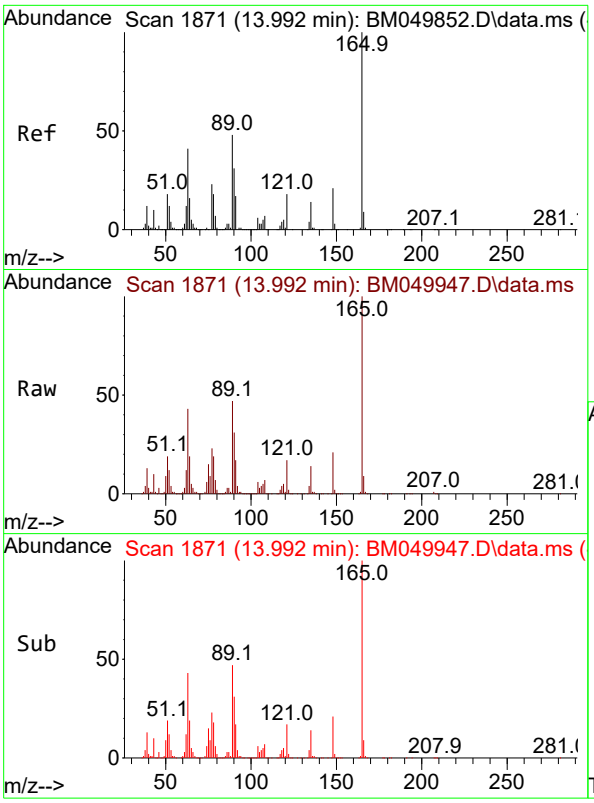


#50
Dimethylphthalate
Concen: 46.235 ng
RT: 13.875 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:163 Resp: 2358862

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.8	7.9	11.9

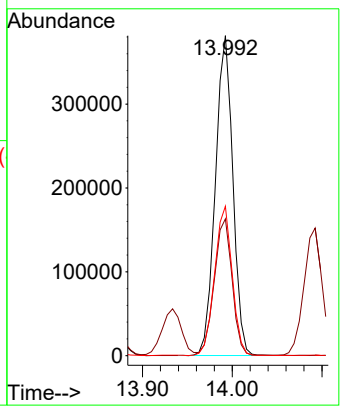




#51
2,6-Dinitrotoluene
Concen: 48.200 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:165 Resp: 51521

Ion	Ratio	Lower	Upper
165	100		
63	42.8	36.1	54.1
89	46.7	38.3	57.5



Instrument :
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ClientSampleId :
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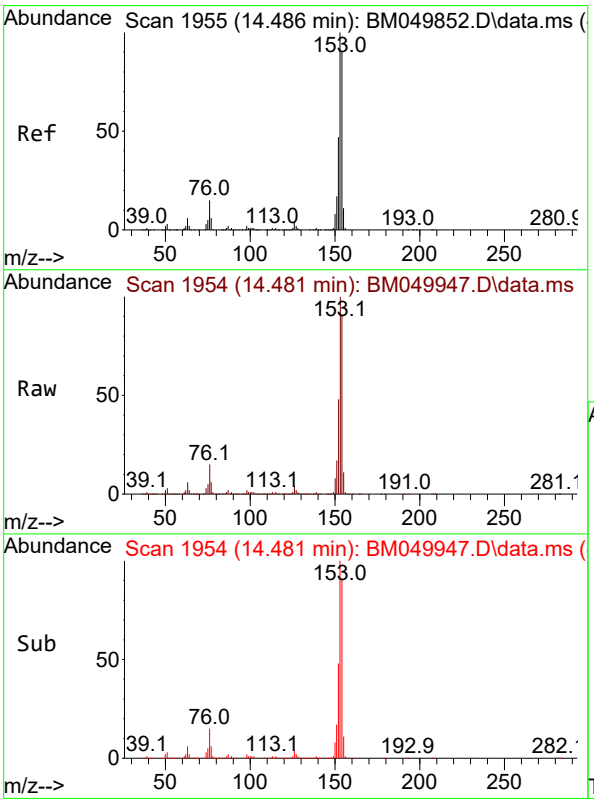
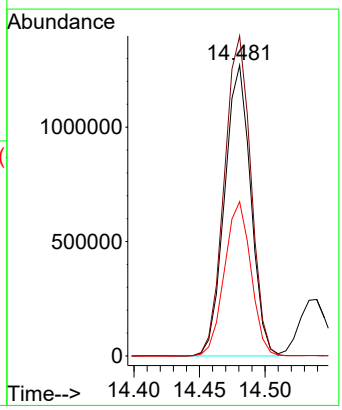
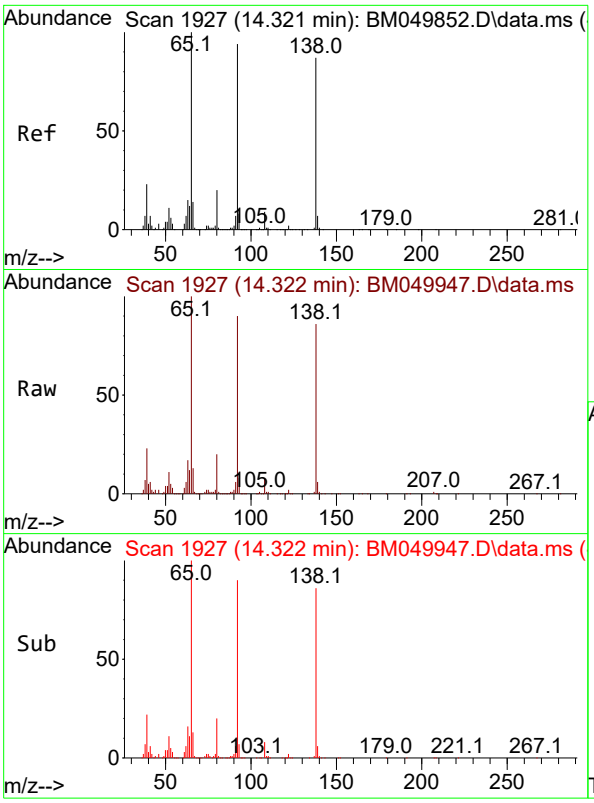


#52
Acenaphthene
Concen: 45.059 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:154 Resp: 1764030

Ion	Ratio	Lower	Upper
154	100		
153	110.1	89.3	133.9
152	53.1	42.2	63.2





#53
3-Nitroaniline
Concen: 34.011 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:138 Resp: 35136

Ion	Ratio	Lower	Upper
138	100		
108	9.4	8.1	12.1
92	104.8	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
PB167509BS

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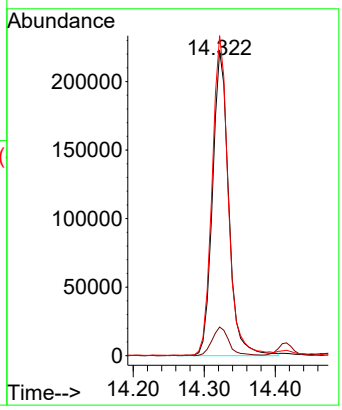
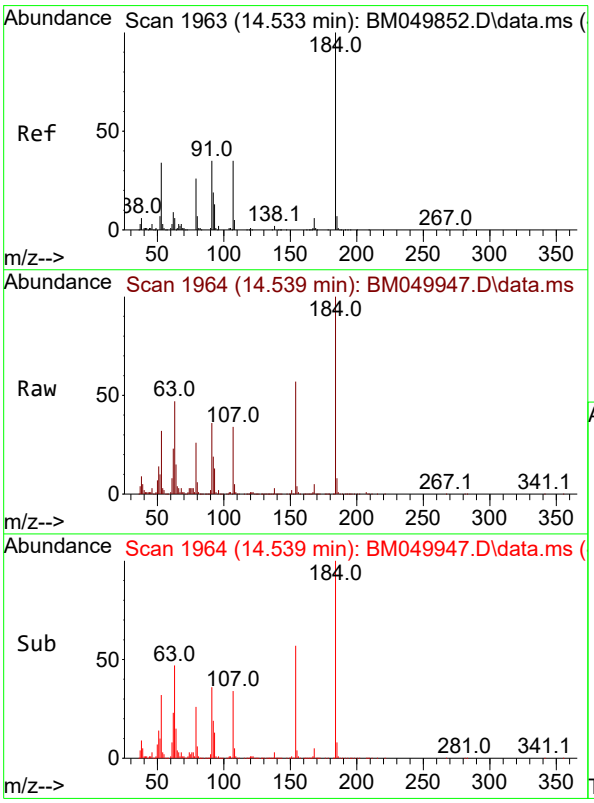
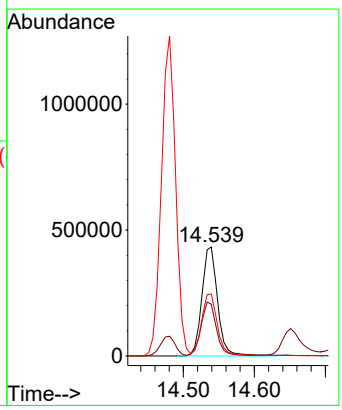


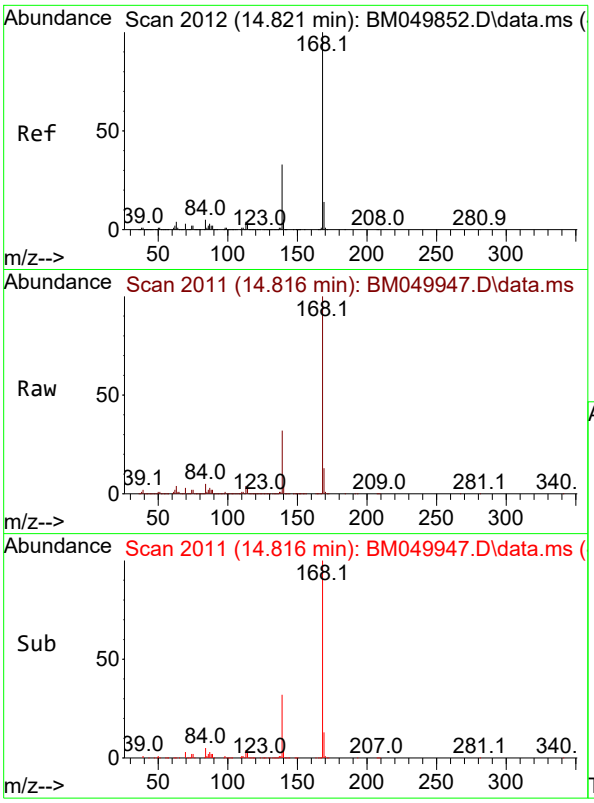


#54
2,4-Dinitrophenol
Concen: 85.742 ng
RT: 14.539 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:184 Resp: 668125

Ion	Ratio	Lower	Upper
184	100		
63	47.4	38.4	57.6
154	57.0	48.1	72.1

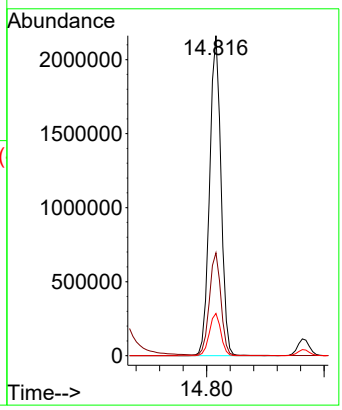




#55
Dibenzofuran
Concen: 44.201 ng
RT: 14.816 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:168 Resp: 289282

Ion	Ratio	Lower	Upper
168	100		
139	32.1	26.6	39.8
169	13.2	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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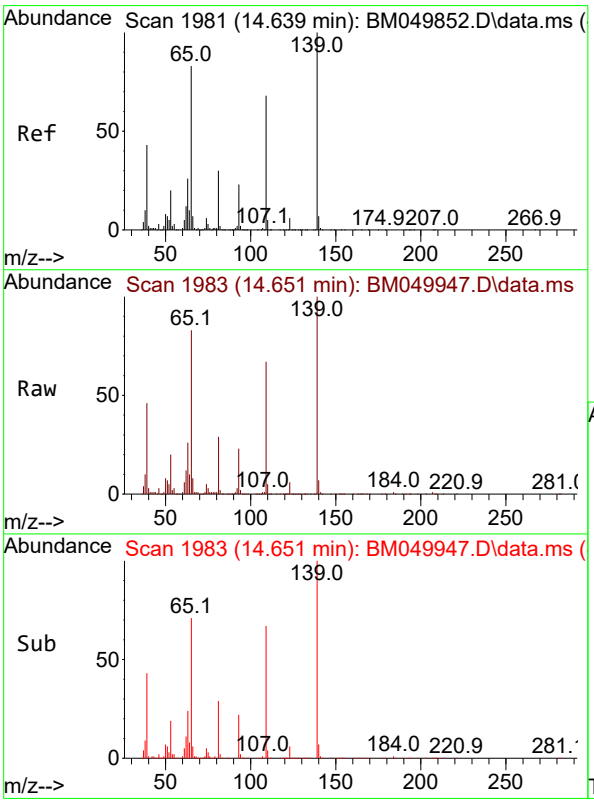
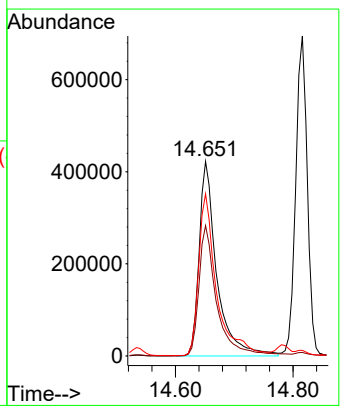
Supervised By :Jagrut Upadhyay 04/17/2025

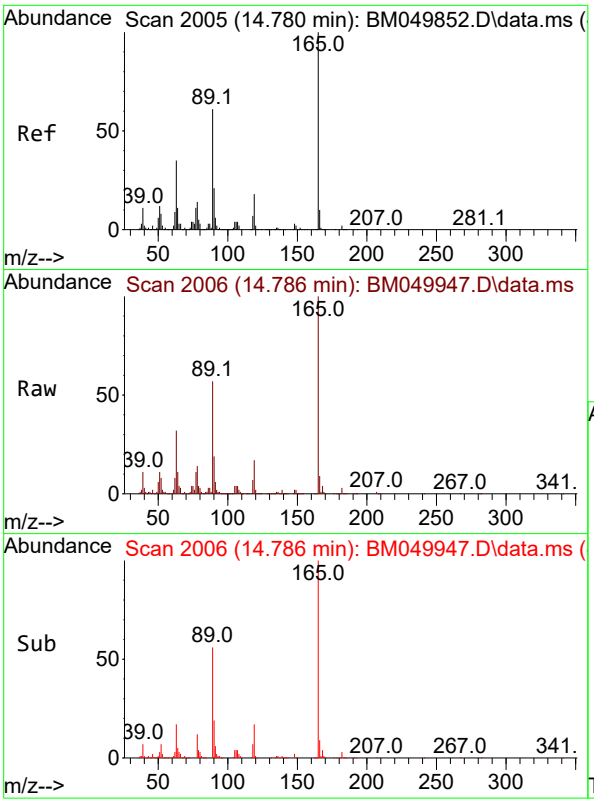


#56
4-Nitrophenol
Concen: 95.553 ng
RT: 14.651 min Scan# 1983
Delta R.T. 0.012 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:139 Resp: 879693

Ion	Ratio	Lower	Upper
139	100		
109	67.0	47.9	87.9
65	83.3	62.7	102.7

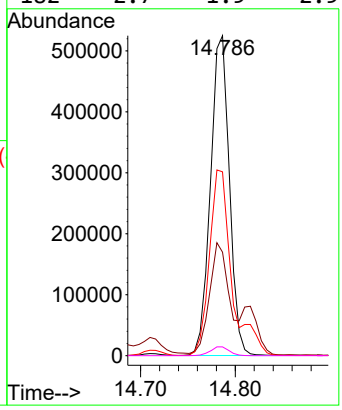




#57
2,4-Dinitrotoluene
Concen: 50.868 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:165 Resp: 72538

Ion	Ratio	Lower	Upper
165	100		
63	32.3	28.6	42.8
89	57.4	49.0	73.6
182	2.7	1.9	2.9



Instrument :
BNA_M
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PB167509BS

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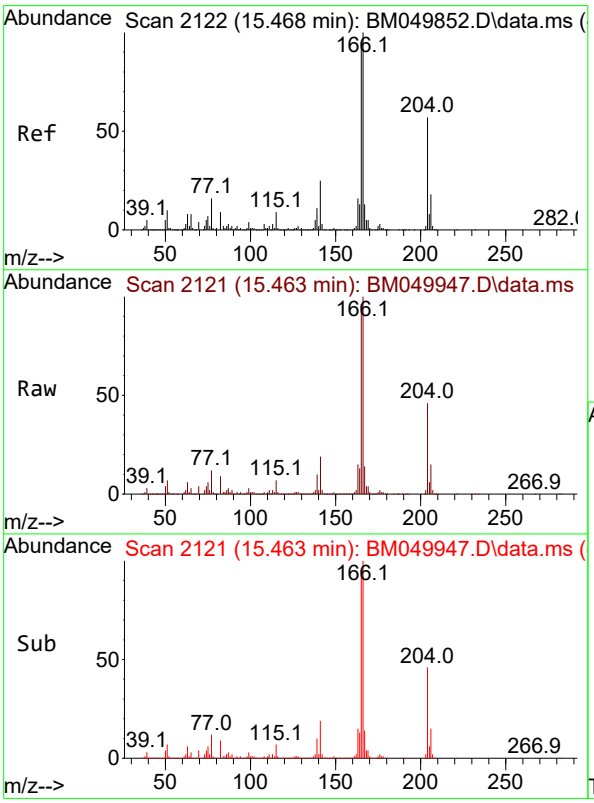
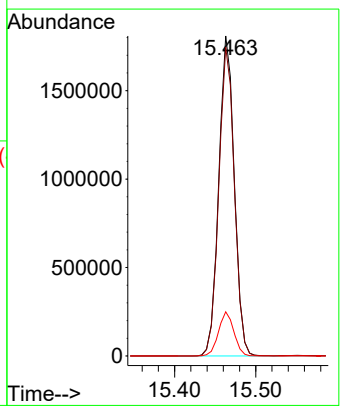
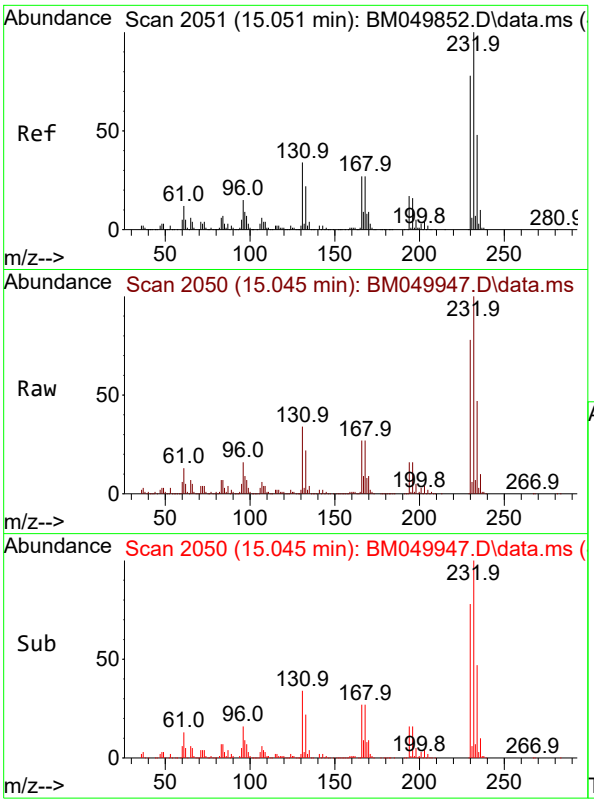


#58
Fluorene
Concen: 46.319 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:166 Resp: 2409614

Ion	Ratio	Lower	Upper
166	100		
165	96.5	76.3	114.5
167	13.8	10.7	16.1

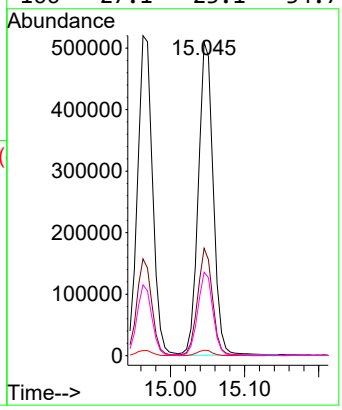




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.388 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:232 Resp: 71130

Ion	Ratio	Lower	Upper
232	100		
131	34.4	28.4	42.6
130	1.9	1.6	2.4
166	27.1	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
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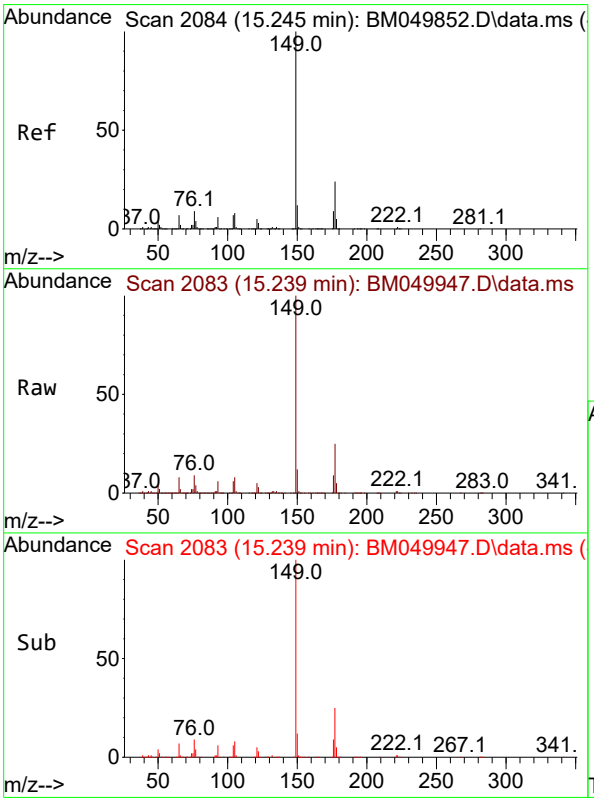
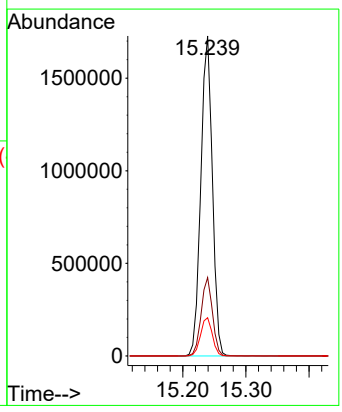
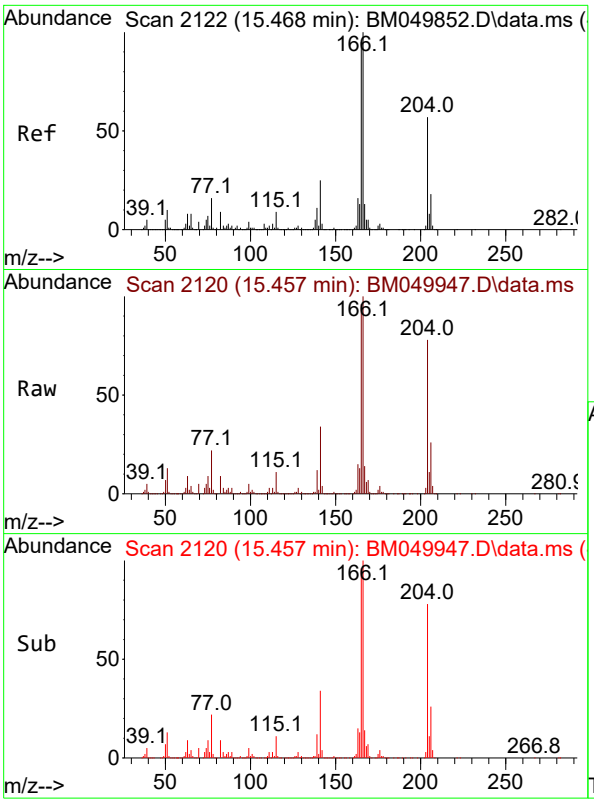


#60
Diethylphthalate
Concen: 44.769 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:149 Resp: 2190399

Ion	Ratio	Lower	Upper
149	100		
177	24.5	19.0	28.4
150	11.9	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 46.682 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.011 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:204 Resp: 130200

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.2	39.2
141	43.7	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
PB167509BS

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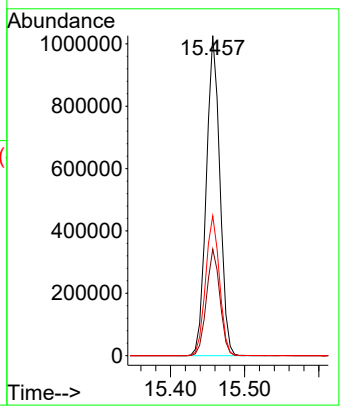
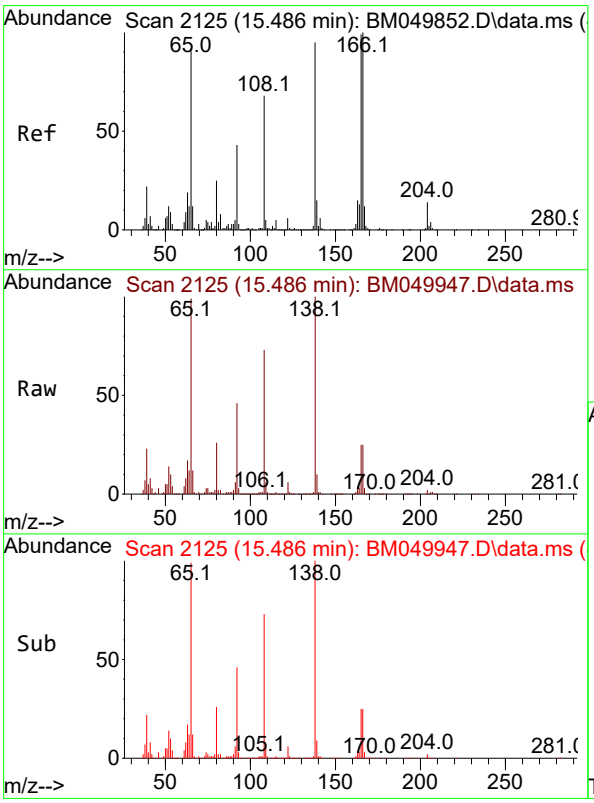
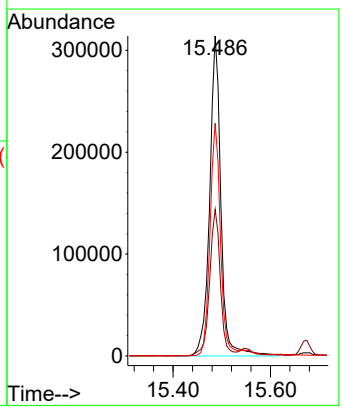


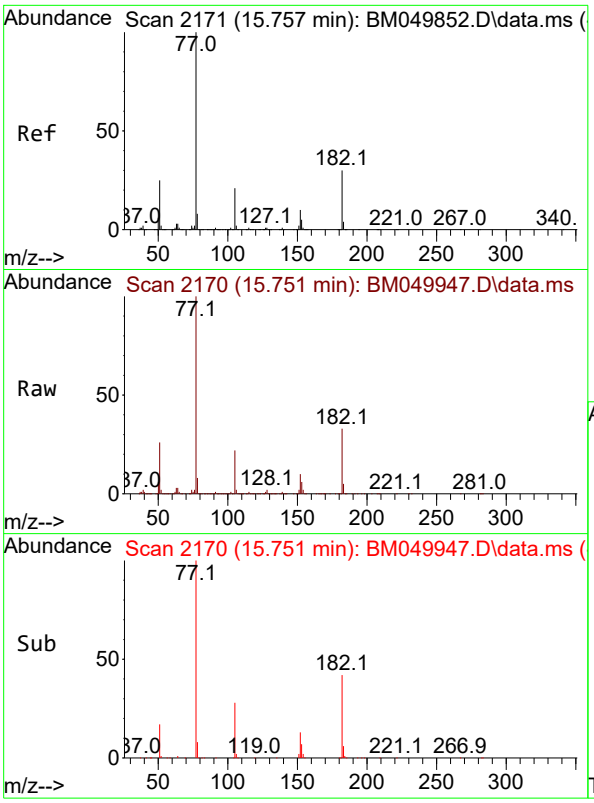


#62
4-Nitroaniline
Concen: 47.073 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:138 Resp: 502922

Ion	Ratio	Lower	Upper
138	100		
92	45.8	24.9	64.9
108	72.7	51.7	91.7

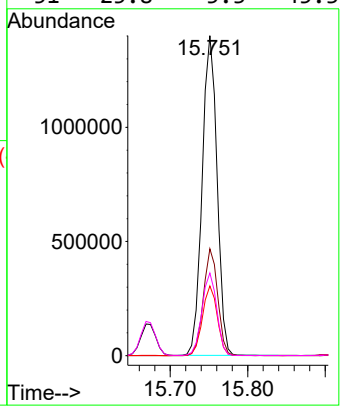




#63
Azobenzene
Concen: 44.564 ng
RT: 15.751 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion: 77 Resp: 186669

Ion	Ratio	Lower	Upper
77	100		
182	33.4	10.4	50.4
105	21.8	1.5	41.5
51	25.8	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
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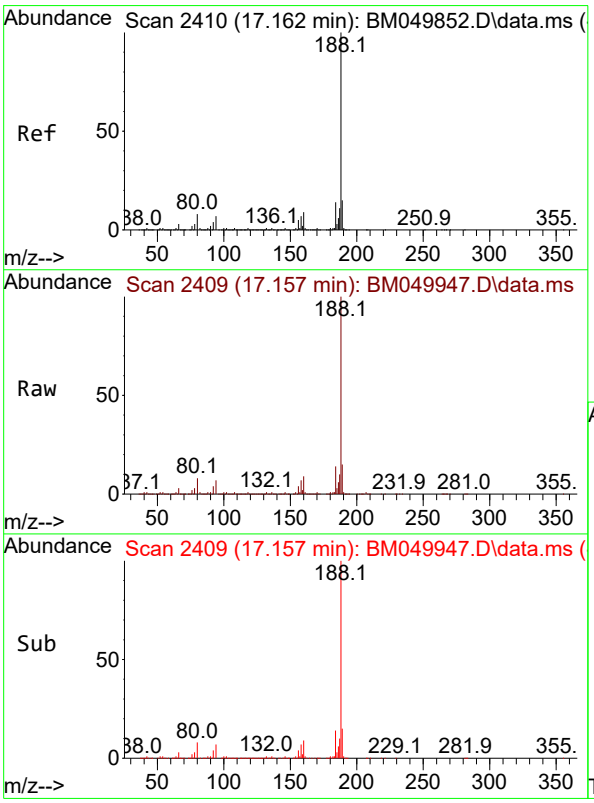
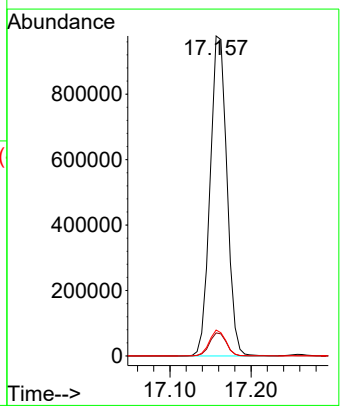
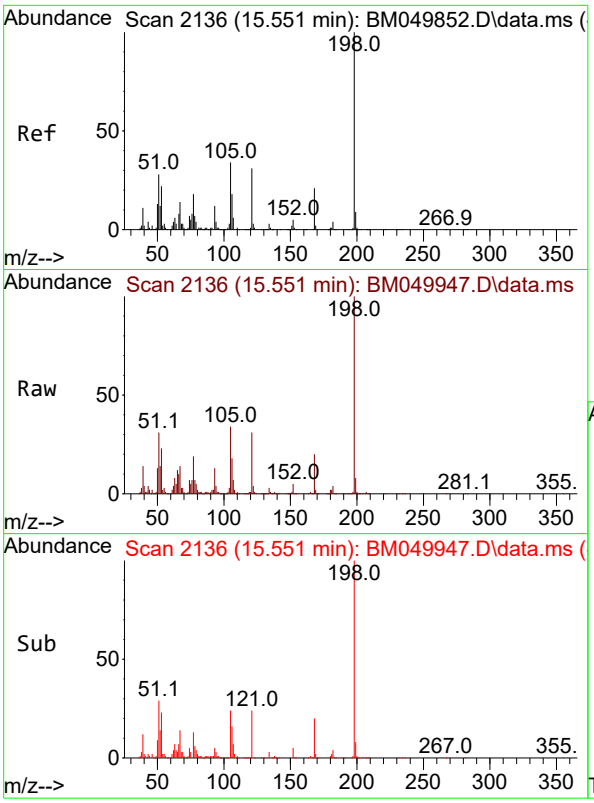


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:188 Resp: 1408528

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.1	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 49.238 ng
RT: 15.551 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Tgt Ion:198 Resp: 43703

Ion	Ratio	Lower	Upper
198	100		
51	31.1	9.6	49.6
105	33.9	14.7	54.7

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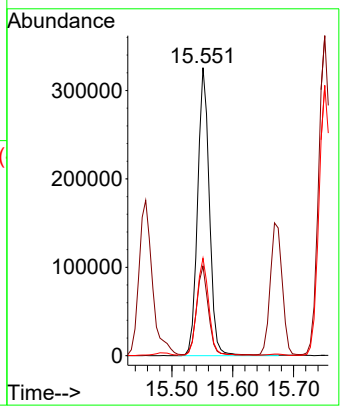
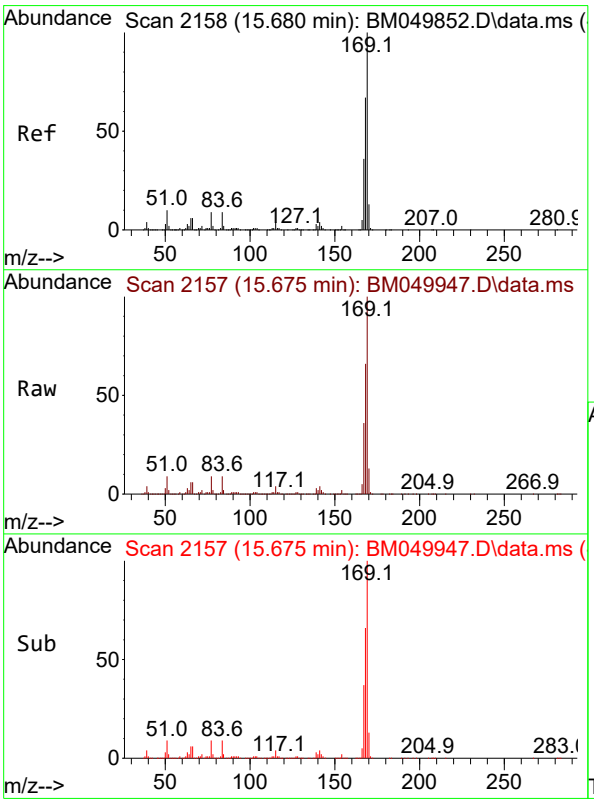
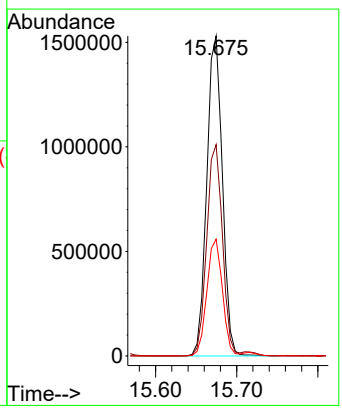


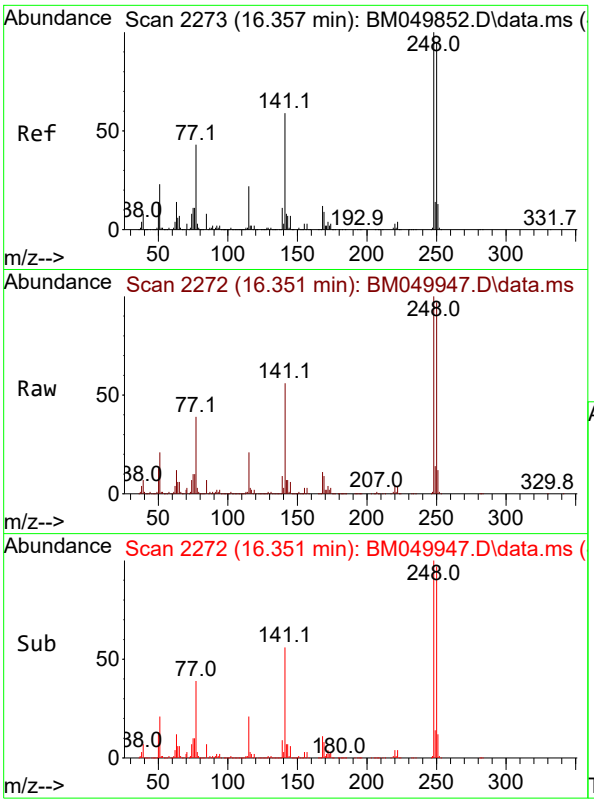


#66
n-Nitrosodiphenylamine
Concen: 48.266 ng
RT: 15.675 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:169 Resp: 2034520

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.4	80.2
167	36.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 48.319 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Tgt Ion:248 Resp: 79008

Ion	Ratio	Lower	Upper
248	100		
250	96.7	76.2	114.2
141	55.9	47.3	70.9

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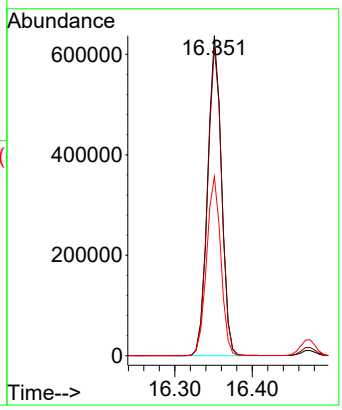
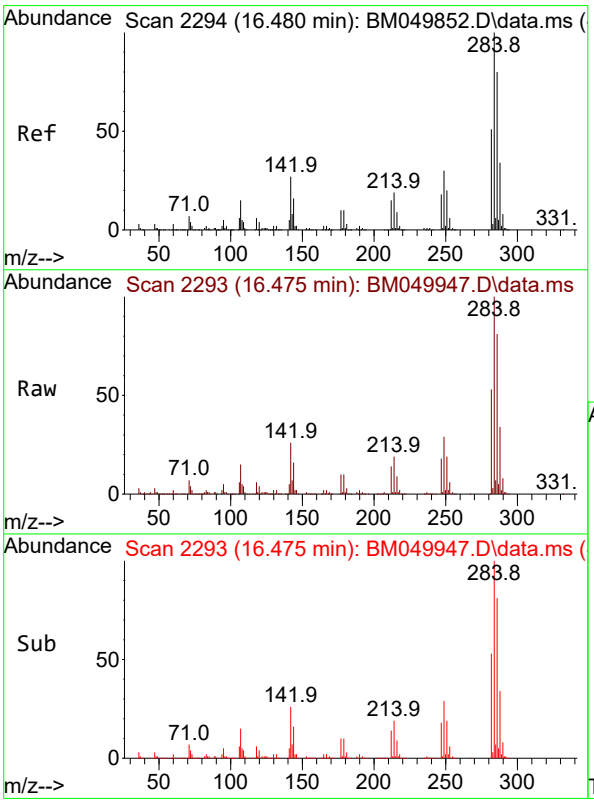
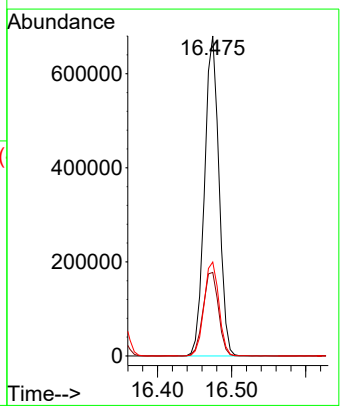


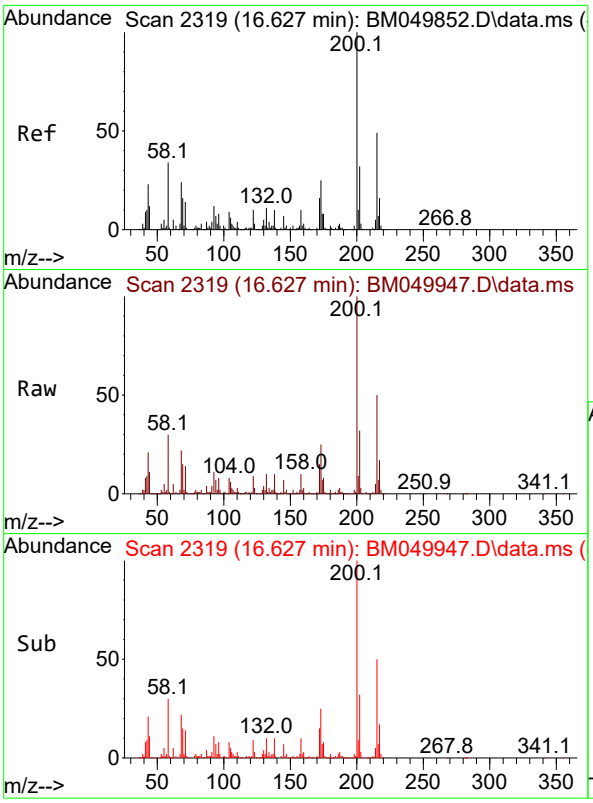


#68
Hexachlorobenzene
Concen: 49.022 ng
RT: 16.475 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:284 Resp: 919430

Ion	Ratio	Lower	Upper
284	100		
142	26.1	21.2	31.8
249	29.4	24.1	36.1





#69
Atrazine
Concen: 66.929 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Tgt Ion:200 Resp: 73148

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.4	45.4
215	50.4	29.0	69.0

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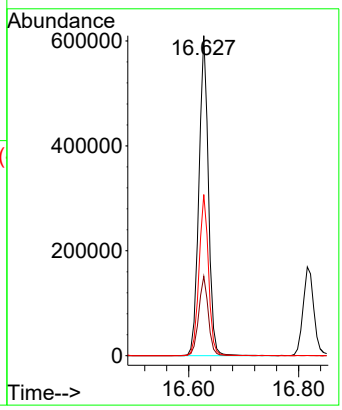
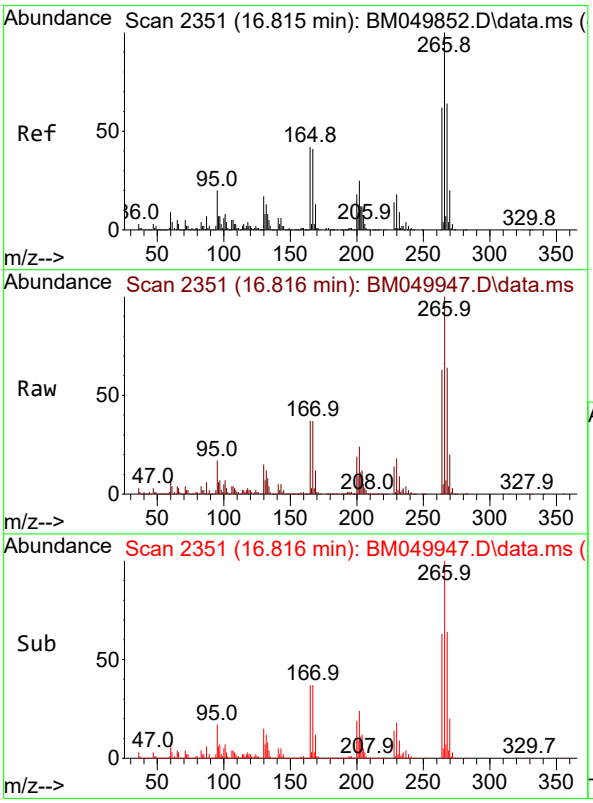
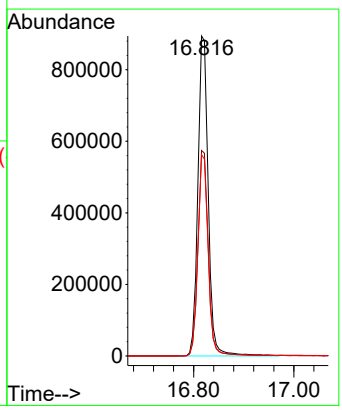


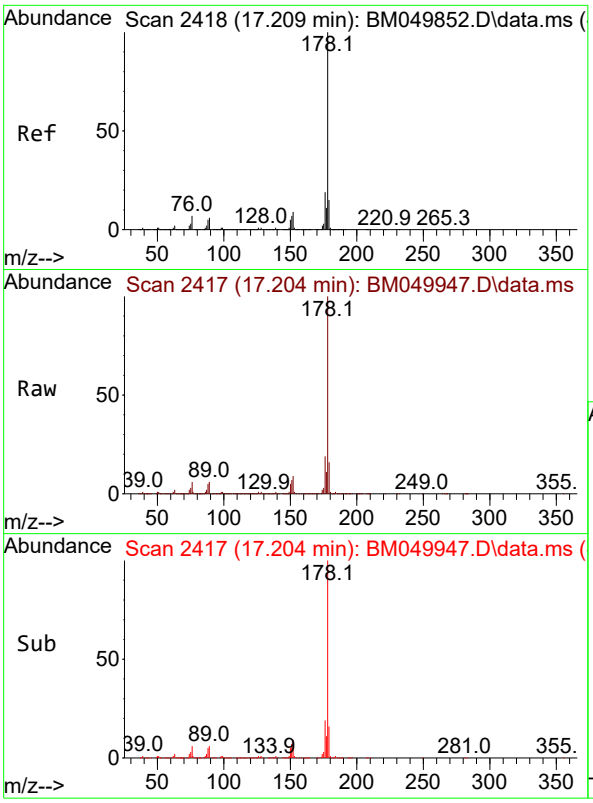


#70
Pentachlorophenol
Concen: 92.705 ng
RT: 16.816 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:266 Resp: 1280079

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.2
264	62.9	49.8	74.8

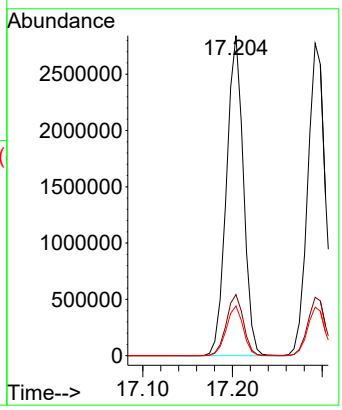




#71
Phenanthrene
Concen: 48.220 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:178 Resp: 372357

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.5	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
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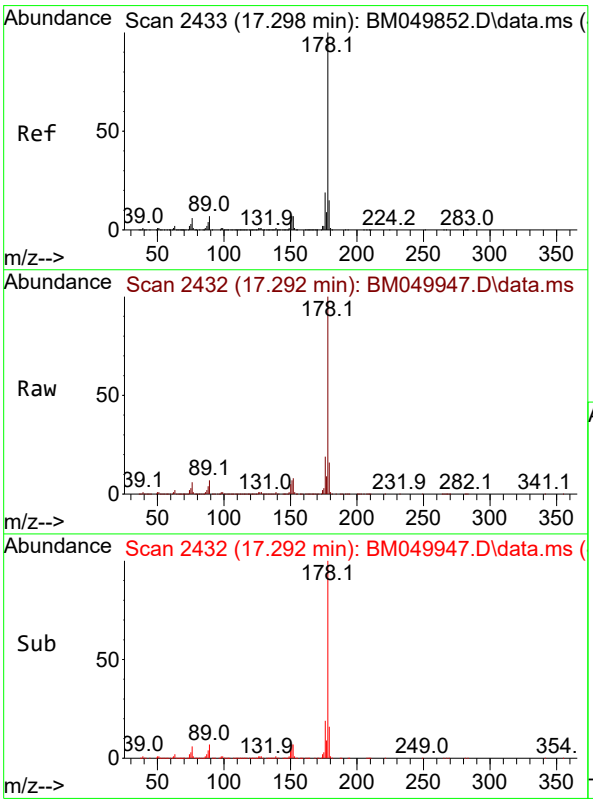
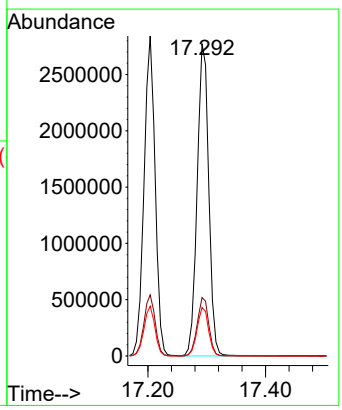
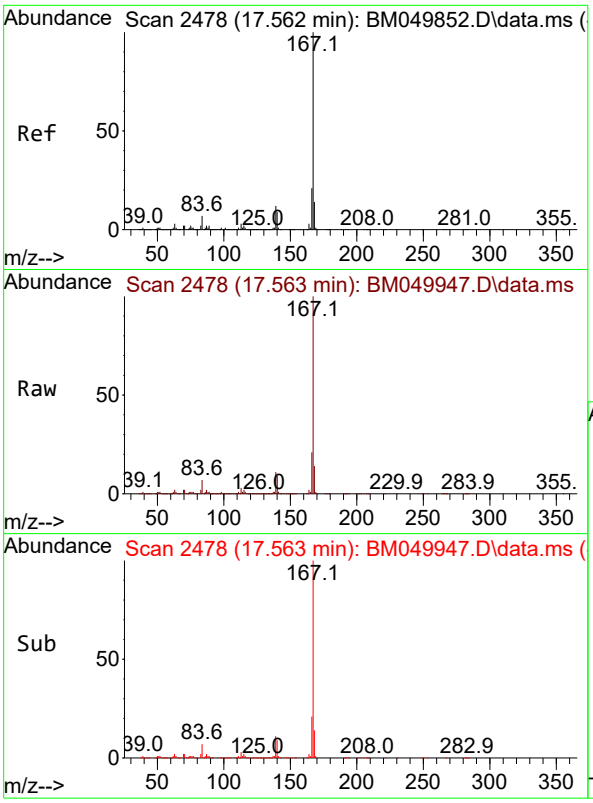


#72
Anthracene
Concen: 49.616 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:178 Resp: 3775775

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.5	12.4	18.6

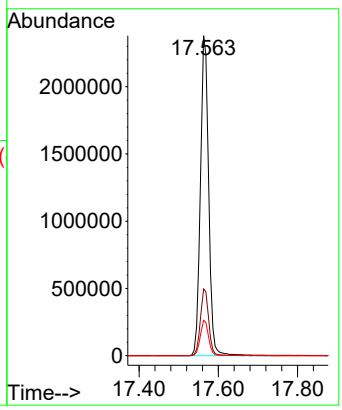




#73
Carbazole
Concen: 47.807 ng
RT: 17.563 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:167 Resp: 342668

Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.9	25.3
139	11.0	9.3	13.9



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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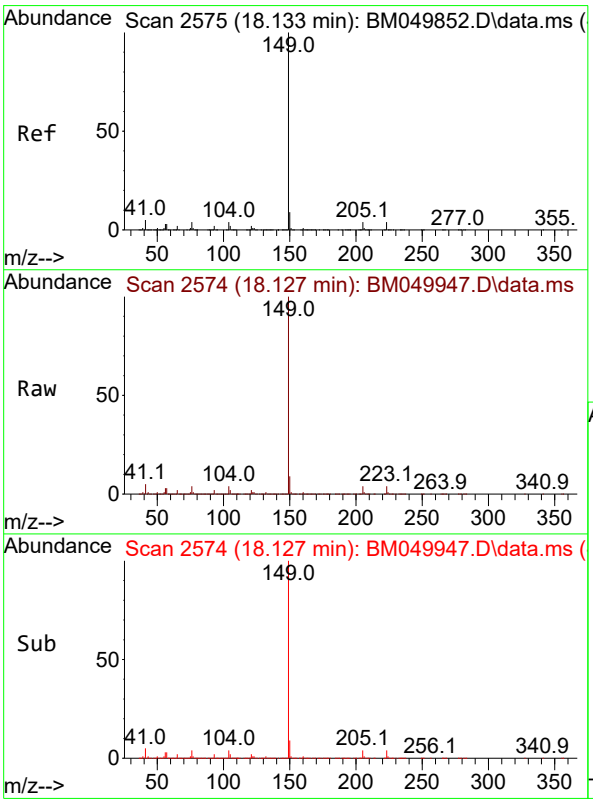
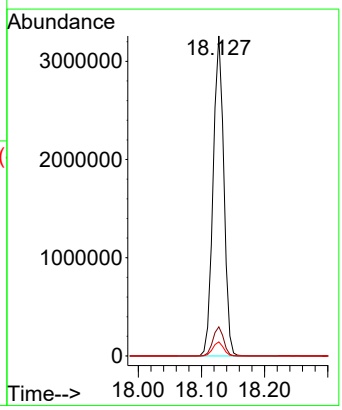
Supervised By :Jagrut Upadhyay 04/17/2025

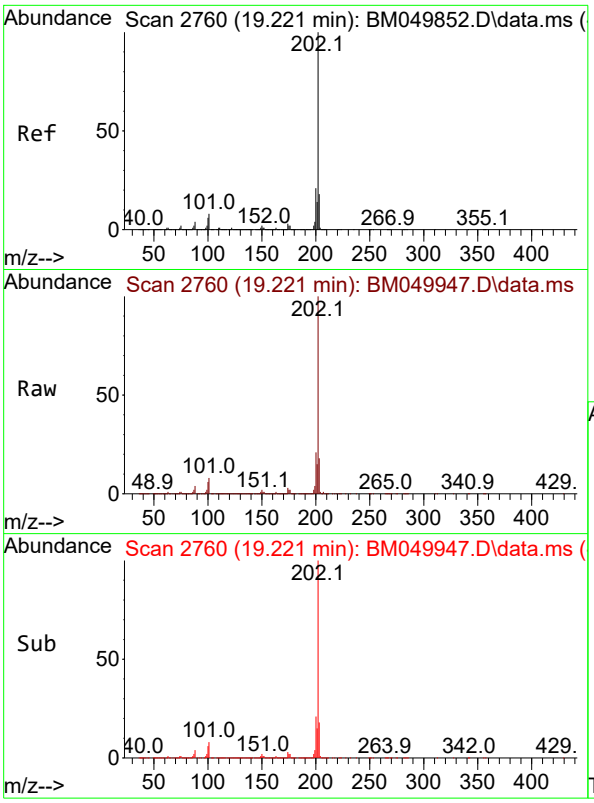


#74
Di-n-butylphthalate
Concen: 46.376 ng
RT: 18.127 min Scan# 2574
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:149 Resp: 3828697

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.4	3.5	5.3

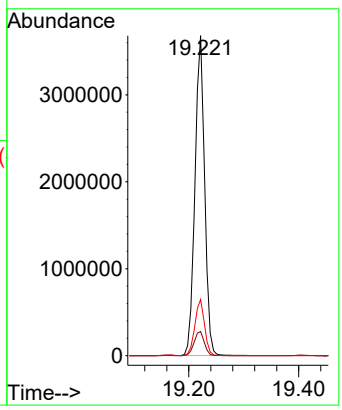




#75
Fluoranthene
Concen: 47.358 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:202 Resp: 449647

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	17.6	0.0	37.8



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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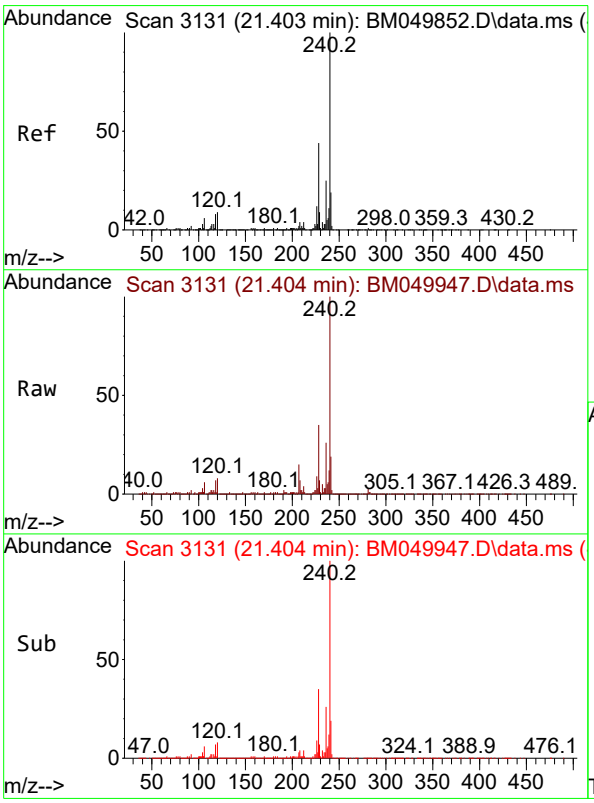
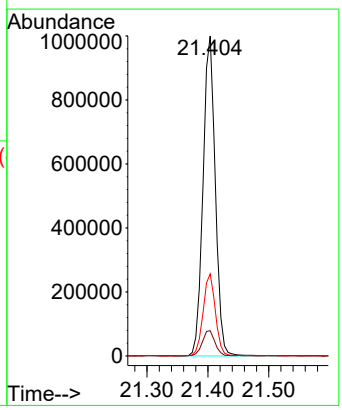
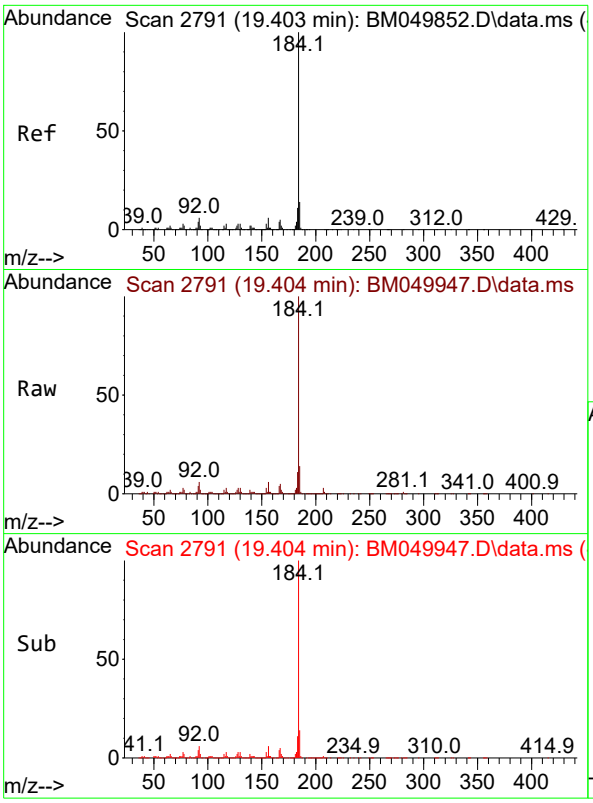


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:240 Resp: 1396785

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.9	10.3
236	25.6	20.4	30.6

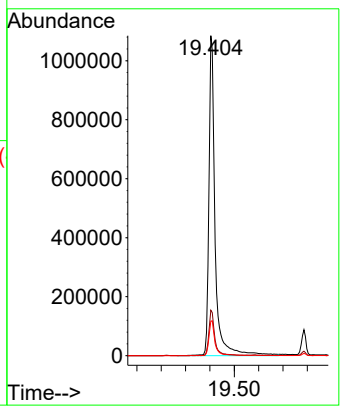




#77
Benzidine
Concen: 102.434 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:184 Resp: 189813

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	10.8	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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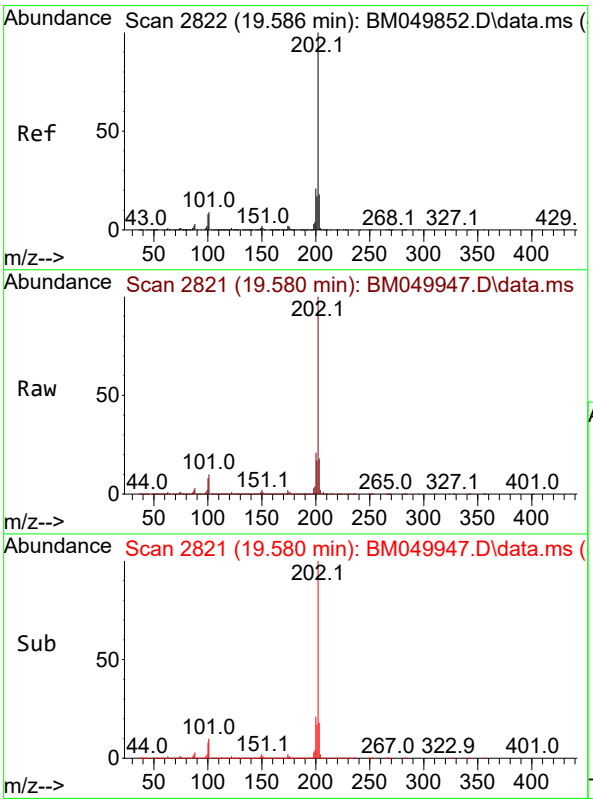
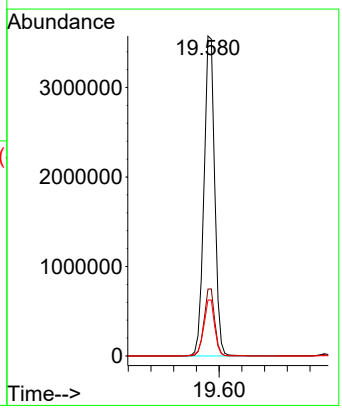
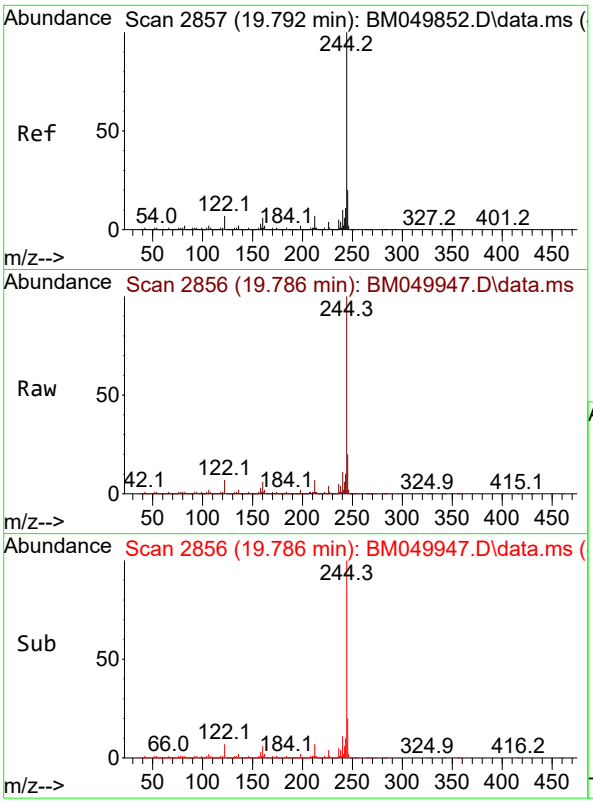


#78
Pyrene
Concen: 48.311 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:202 Resp: 4650588

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.5	14.0	21.0

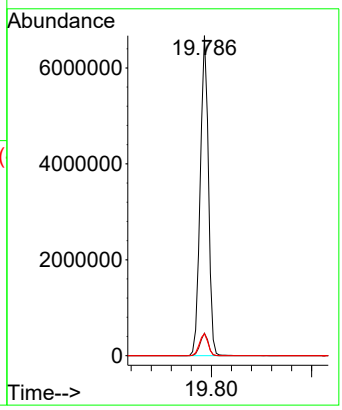




#79
Terphenyl-d14
Concen: 101.243 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:244 Resp: 754593

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	6.8	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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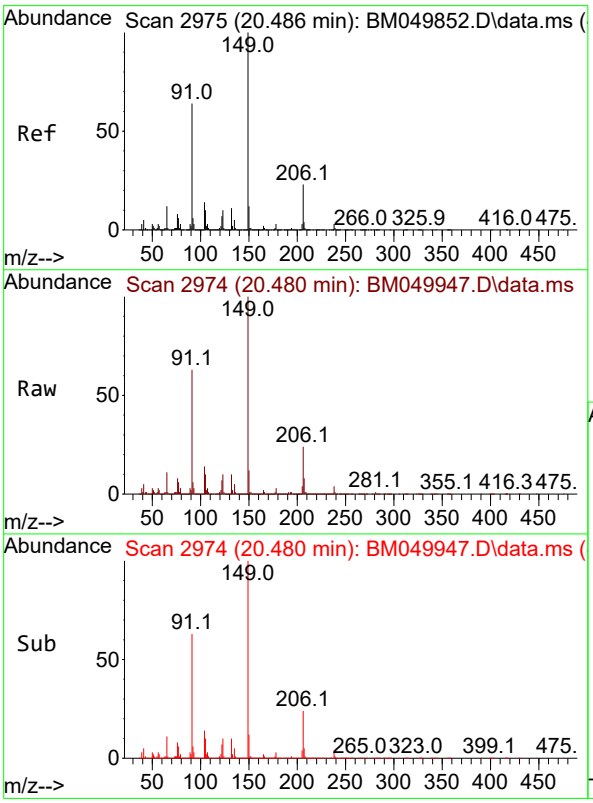
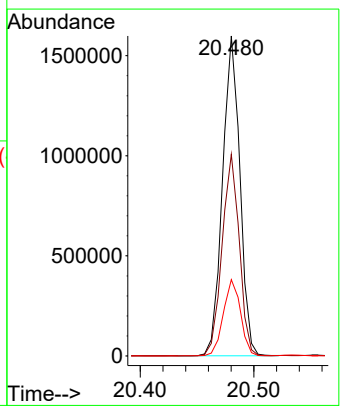
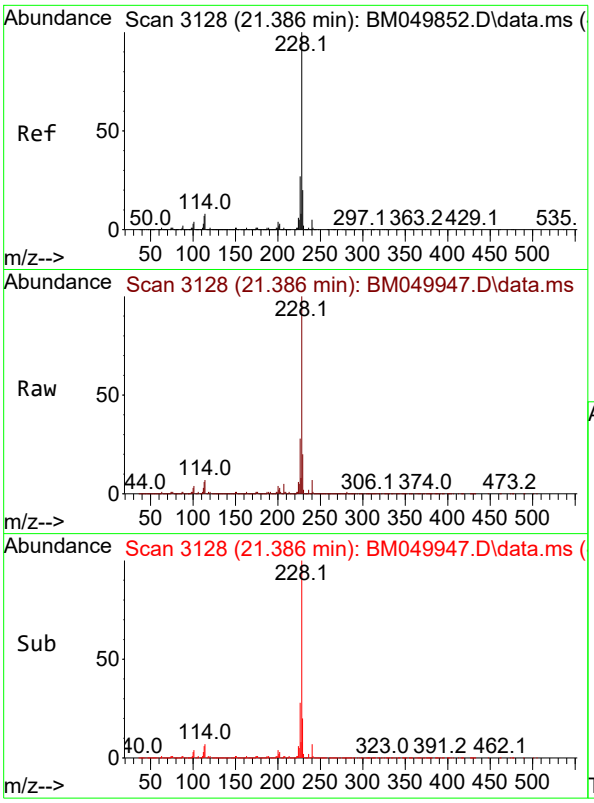


#80
Butylbenzylphthalate
Concen: 46.939 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:149 Resp: 1697848

Ion	Ratio	Lower	Upper
149	100		
91	63.0	50.9	76.3
206	23.8	18.4	27.6

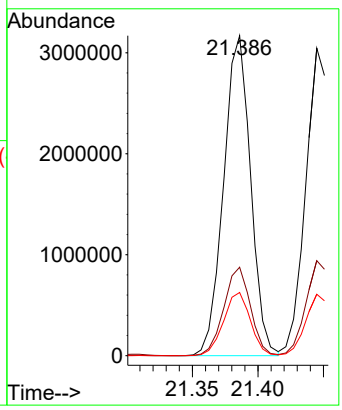




#81
Benzo(a)anthracene
Concen: 48.856 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:228 Resp: 453532

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	19.7	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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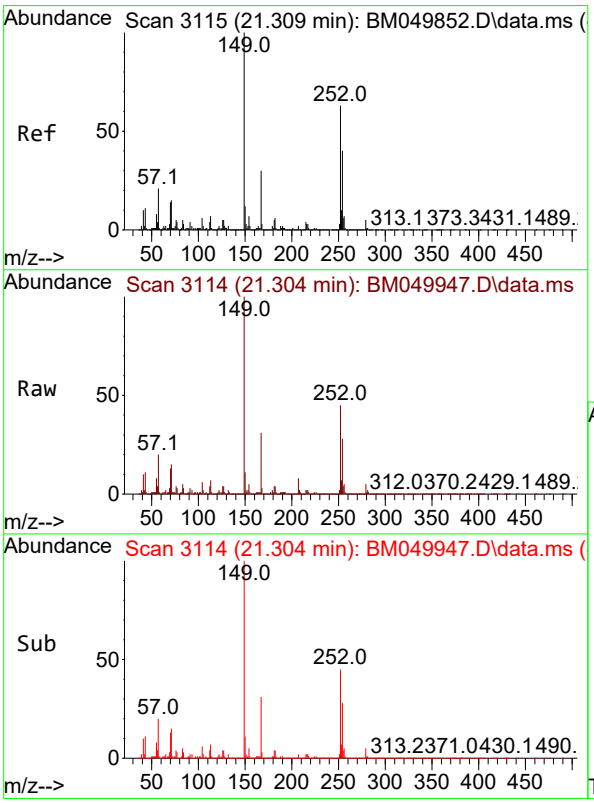
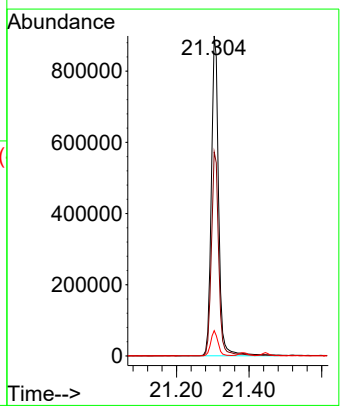
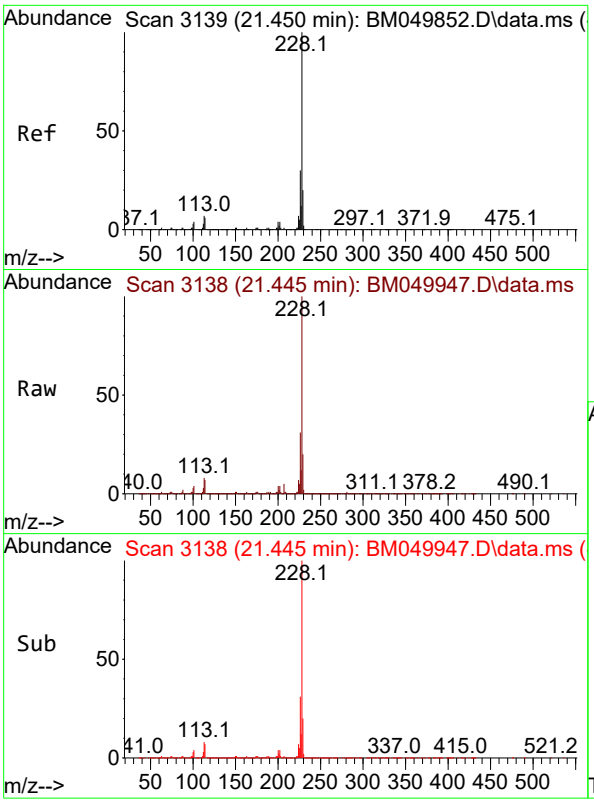


#82
3,3'-Dichlorobenzidine
Concen: 35.685 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:252 Resp: 1250970

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	7.9	6.3	9.5





#83
Chrysene
Concen: 47.411 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Instrument :
BNA_M
ClientSampleId :
PB167509BS

Tgt Ion:228 Resp: 418424

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	20.0	15.8	23.6

Manual Integrations
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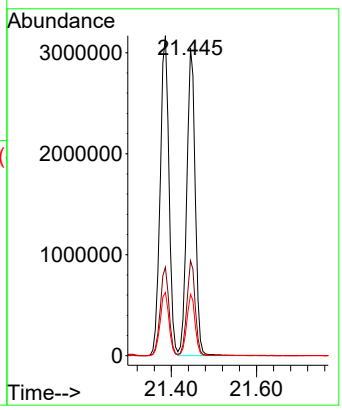
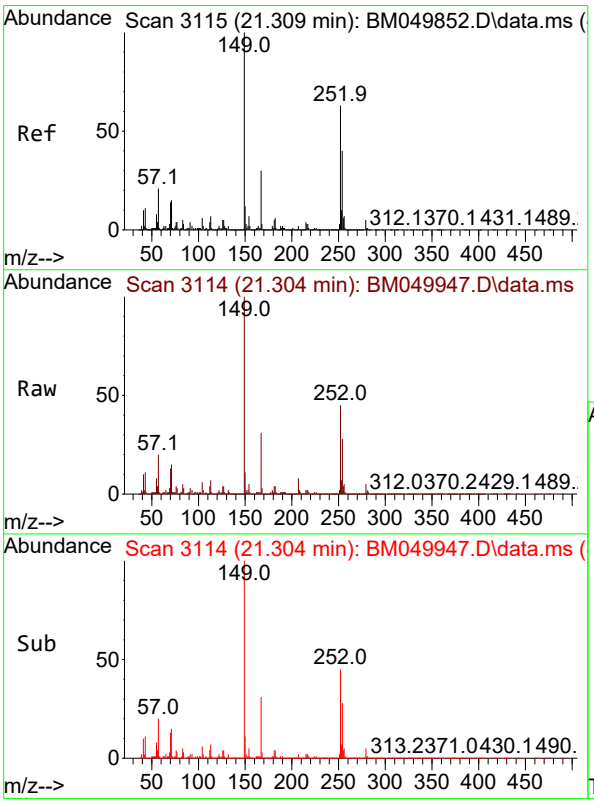
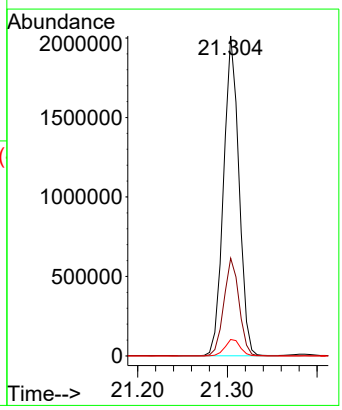


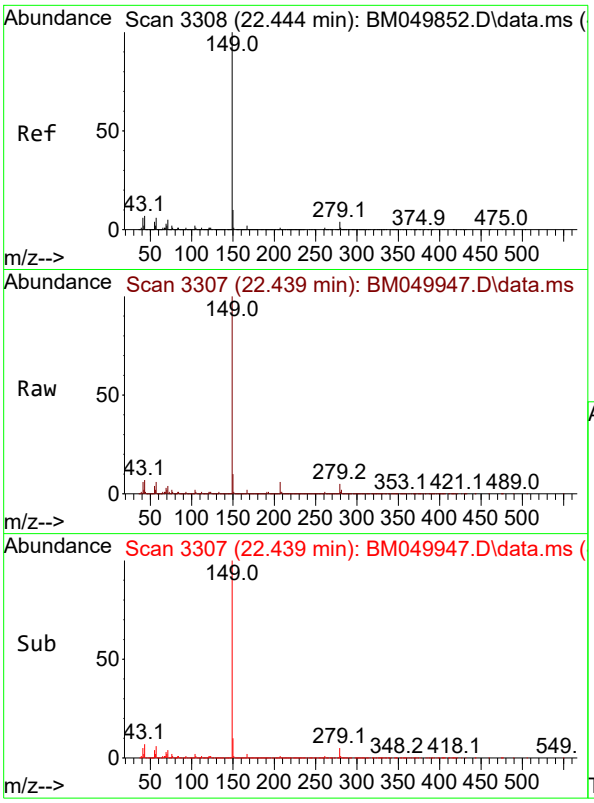


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.429 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:149 Resp: 2394124

Ion	Ratio	Lower	Upper
149	100		
167	30.5	23.8	35.6
279	5.2	3.8	5.8

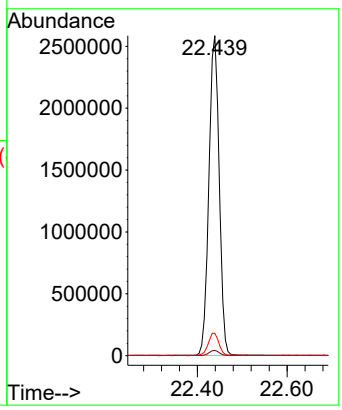




#85
Di-n-octyl phthalate
Concen: 44.642 ng
RT: 22.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:149 Resp: 411583

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.0	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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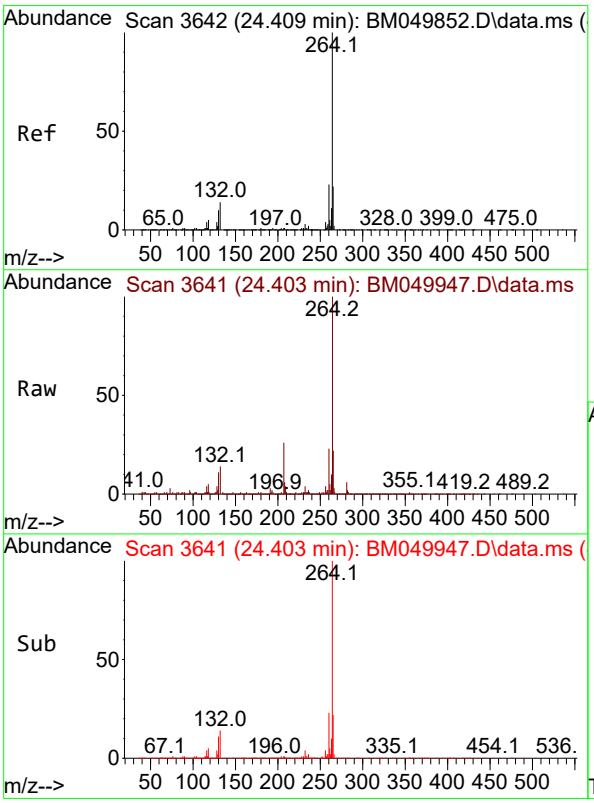
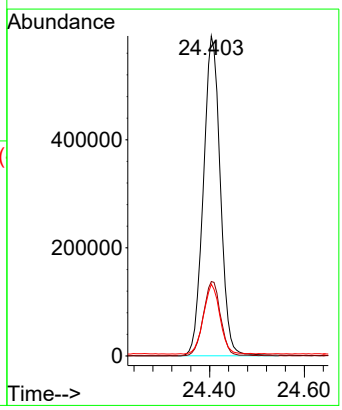
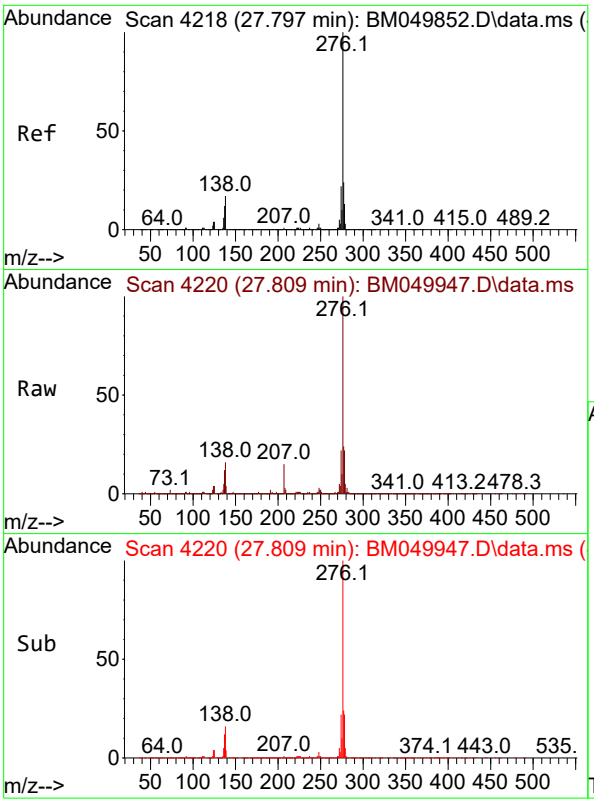


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:264 Resp: 1468801

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.4	17.8	26.8

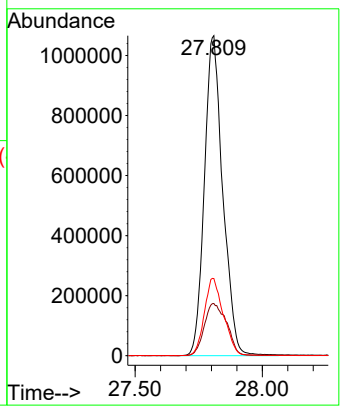




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.957 ng
RT: 27.809 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:276 Resp: 536008

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.8	25.2
277	25.0	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
PB167509BS

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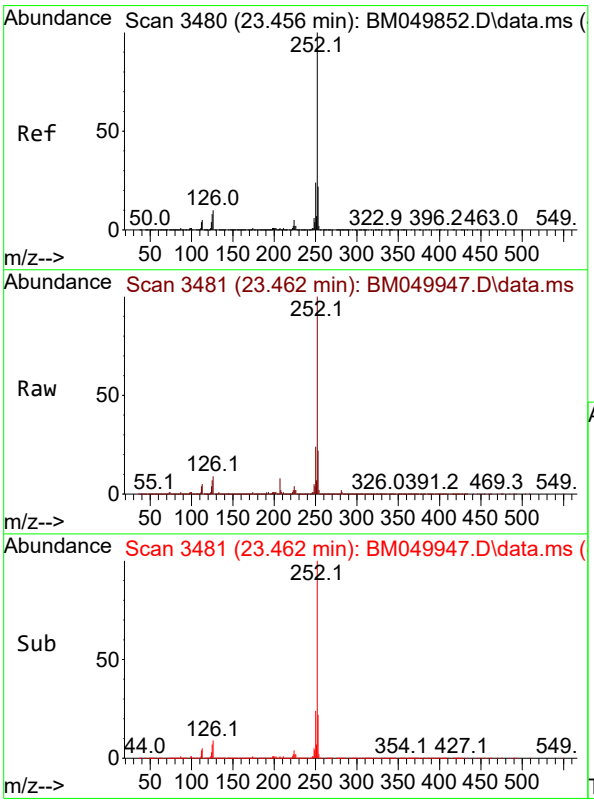
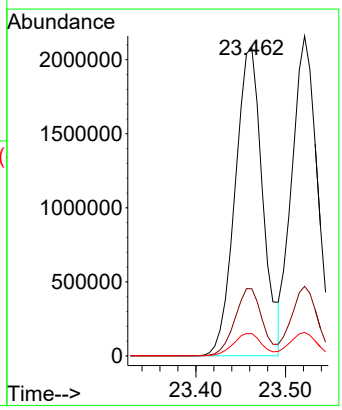
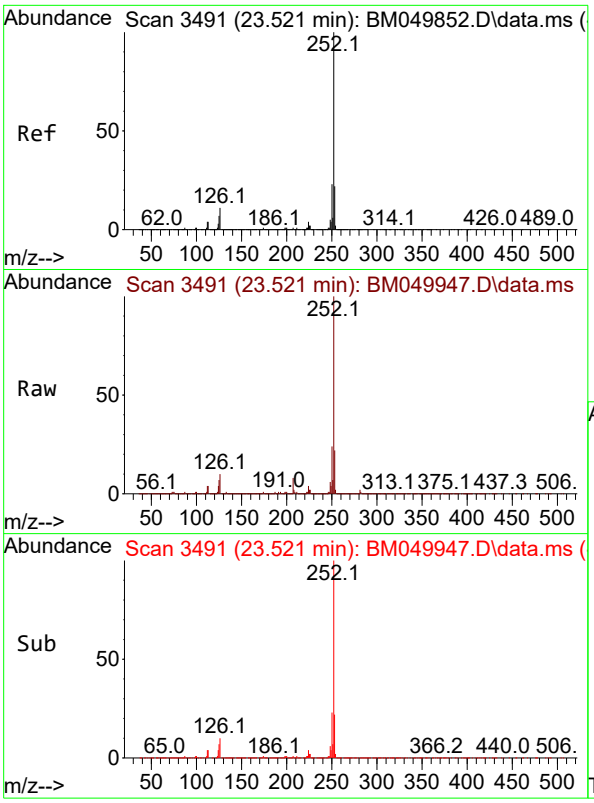


#88
Benzo(b)fluoranthene
Concen: 47.297 ng
RT: 23.462 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:252 Resp: 4436790

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	7.3	6.2	9.4





#89
Benzo(k)fluoranthene
Concen: 46.919 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:252 Resp: 426517

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.4	5.8	8.8

Instrument :
BNA_M
ClientSampleId :
PB167509BS

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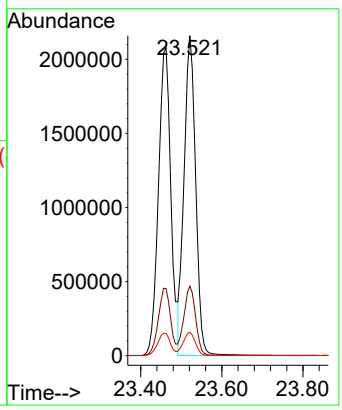
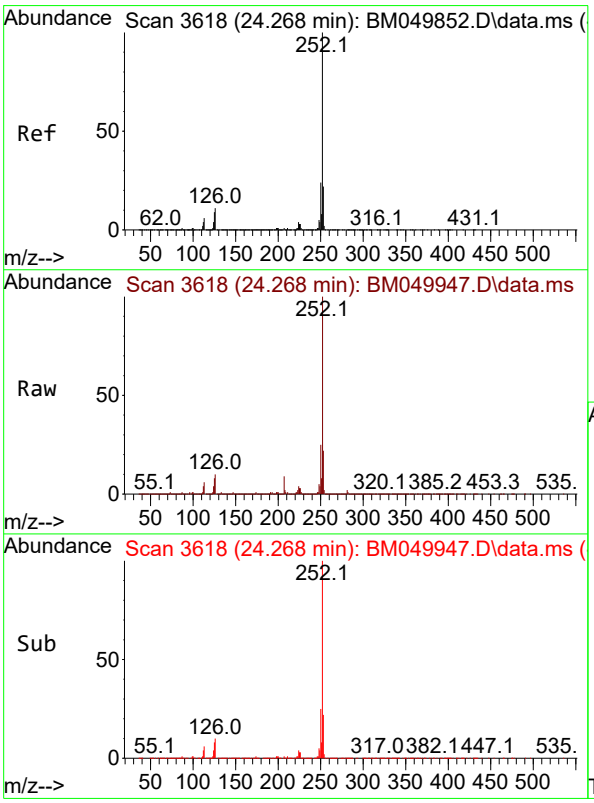
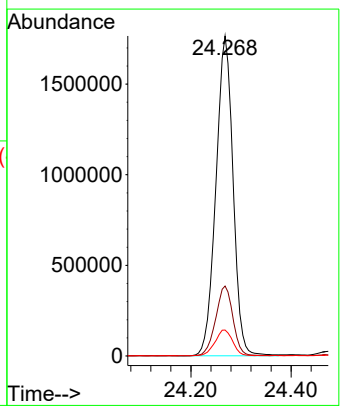


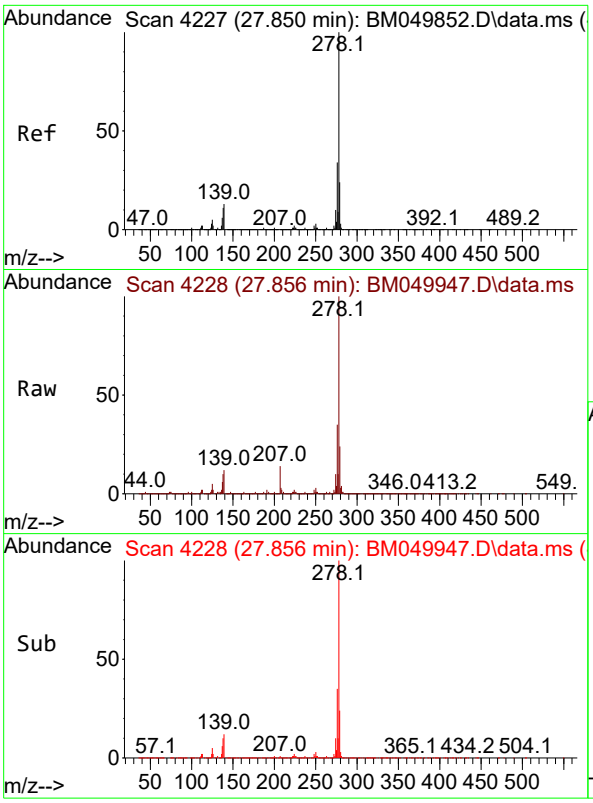


#90
Benzo(a)pyrene
Concen: 50.874 ng
RT: 24.268 min Scan# 3618
Delta R.T. 0.000 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:252 Resp: 4193597

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.1	7.0	10.4

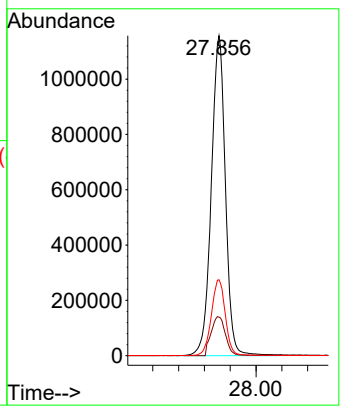




#91
Dibenzo(a,h)anthracene
Concen: 48.647 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:278 Resp: 438715

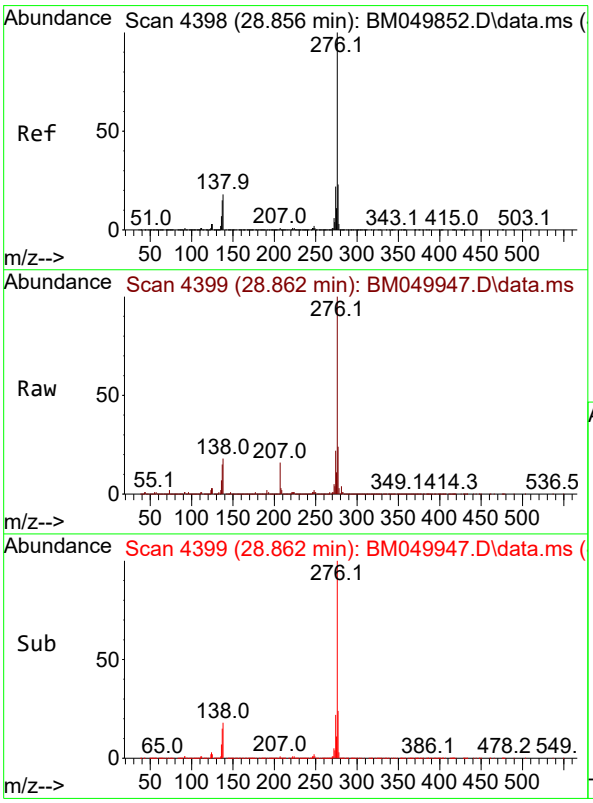
Ion	Ratio	Lower	Upper
278	100		
139	12.0	10.6	15.8
279	23.8	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
PB167509BS

Manual Integrations
APPROVED

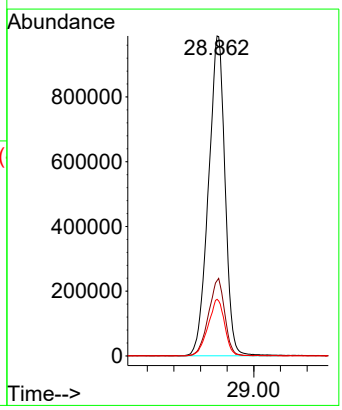
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025



#92
Benzo(g,h,i)perylene
Concen: 46.184 ng
RT: 28.862 min Scan# 4399
Delta R.T. 0.006 min
Lab File: BM049947.D
Acq: 16 Apr 2025 11:26

Tgt Ion:276 Resp: 4256093

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	17.7	14.6	21.8



Raw Data: **BM049865.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MS	SDG No.:	Q1744
Lab Sample ID:	Q1744-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049865.D	1	04/08/25 08:59	04/09/25 13:08	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		170	370	ug/Kg
108-95-2	Phenol	1900		24.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		27.0	190	ug/Kg
95-57-8	2-Chlorophenol	1800		27.1	190	ug/Kg
95-48-7	2-Methylphenol	1900		33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		41.6	190	ug/Kg
98-86-2	Acetophenone	1700		32.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	1900		45.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		52.6	88.8	ug/Kg
67-72-1	Hexachloroethane	1700		19.5	190	ug/Kg
98-95-3	Nitrobenzene	1700		20.3	190	ug/Kg
78-59-1	Isophorone	1900		36.4	190	ug/Kg
88-75-5	2-Nitrophenol	1700		64.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		71.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		31.4	190	ug/Kg
91-20-3	Naphthalene	1700		25.2	190	ug/Kg
106-47-8	4-Chloroaniline	410		39.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	1700		28.1	190	ug/Kg
105-60-2	Caprolactam	1700		57.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		31.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6500	E	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		32.3	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		25.0	190	ug/Kg
88-74-4	2-Nitroaniline	1800		53.4	190	ug/Kg
131-11-3	Dimethylphthalate	1700		30.1	190	ug/Kg

Raw Data: **BM049865.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MS	SDG No.:	Q1744
Lab Sample ID:	Q1744-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049865.D	1	04/08/25 08:59	04/09/25 13:08	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		37.3	190	ug/Kg
99-09-2	3-Nitroaniline	500		51.0	190	ug/Kg
83-32-9	Acenaphthene	1700		23.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	250	370	ug/Kg
100-02-7	4-Nitrophenol	3900	E	120	370	ug/Kg
132-64-9	Dibenzofuran	1700		25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		55.6	190	ug/Kg
84-66-2	Diethylphthalate	1700		31.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		29.6	190	ug/Kg
86-73-7	Fluorene	1800		28.1	190	ug/Kg
100-01-6	4-Nitroaniline	1600		71.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		36.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		30.8	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		28.1	190	ug/Kg
1912-24-9	Atrazine	2500		37.7	190	ug/Kg
87-86-5	Pentachlorophenol	3600	E	56.9	370	ug/Kg
85-01-8	Phenanthrene	1800		23.2	190	ug/Kg
120-12-7	Anthracene	1800		37.0	190	ug/Kg
86-74-8	Carbazole	1800		34.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	1700		53.2	190	ug/Kg
206-44-0	Fluoranthene	1800		33.3	190	ug/Kg
129-00-0	Pyrene	1700		39.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	1600		79.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	550		40.7	370	ug/Kg
56-55-3	Benzo(a)anthracene	1800		25.5	190	ug/Kg
218-01-9	Chrysene	1900		22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		65.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		96.3	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		21.1	190	ug/Kg

Raw Data: **BM049865.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MS	SDG No.:	Q1744
Lab Sample ID:	Q1744-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049865.D	1	04/08/25 08:59	04/09/25 13:08	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	1900		32.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		32.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		30.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		28.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		28.4	190	ug/Kg
123-91-1	1,4-Dioxane	1600		50.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		30.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	123		30 (18) - 130 (112)	82%	SPK: 150
13127-88-3	Phenol-d6	125		30 (15) - 130 (107)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.9		30 (18) - 130 (107)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.7		30 (20) - 130 (109)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	89.4		30 (10) - 130 (105)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	298000	7.775			
1146-65-2	Naphthalene-d8	1050000	10.569			
15067-26-2	Acenaphthene-d10	691000	14.421			
1517-22-2	Phenanthrene-d10	1390000	17.162			
1719-03-5	Chrysene-d12	1460000	21.398			
1520-96-3	Perylene-d12	1510000	24.391			

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_M\Data\BM040925\
Data File : BM049865.D
Acq On : 09 Apr 2025 13:08
Operator : RC/JU
Sample : Q1744-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Quant Time: Apr 10 01:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	298114	20.000	ng		0.00
21) Naphthalene-d8	10.569	136	1050152	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	691142	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1385053	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1462184	20.000	ng		0.00
86) Perylene-d12	24.391	264	1514539	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2155451	122.776	ng		0.00
7) Phenol-d6	6.951	99	2724158	124.716	ng		0.00
23) Nitrobenzene-d5	8.934	82	1562799	82.869	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	1354417	134.729	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	4162286	81.663	ng		0.00
79) Terphenyl-d14	19.786	244	6978001	89.436	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	309728	42.838	ng		99
3) Pyridine	3.657	79	835012	43.957	ng		99
4) n-Nitrosodimethylamine	3.563	42	327410	45.290	ng		97
6) Aniline	7.104	93	421157	22.502	ng		99
8) 2-Chlorophenol	7.345	128	863377	47.988	ng		99
9) Benzaldehyde	6.916	77	478135	42.656	ng		98
10) Phenol	6.975	94	1072705	50.325	ng		99
11) bis(2-Chloroethyl)ether	7.198	93	779707	46.646	ng		98
12) 1,3-Dichlorobenzene	7.663	146	989476	46.518	ng		98
13) 1,4-Dichlorobenzene	7.810	146	994756	46.478	ng		100
14) 1,2-Dichlorobenzene	8.128	146	951142	47.181	ng		99
15) Benzyl Alcohol	8.016	79	687559	49.988	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	912146	48.959	ng		99
17) 2-Methylphenol	8.222	107	671680	51.134	ng		98
18) Hexachloroethane	8.857	117	347778	46.705	ng		99
19) n-Nitroso-di-n-propyla...	8.581	70	585438	48.392	ng		99
20) 3+4-Methylphenols	8.551	107	921924	51.480	ng		99
22) Acetophenone	8.598	105	1181375	46.289	ng	#	99
24) Nitrobenzene	8.975	77	842536	46.397	ng		98
25) Isophorone	9.504	82	1587310	50.244	ng		99
26) 2-Nitrophenol	9.686	139	447885	46.535	ng		99
27) 2,4-Dimethylphenol	9.751	122	756789	69.382	ng		99
28) bis(2-Chloroethoxy)met...	9.981	93	998019	47.187	ng		99
29) 2,4-Dichlorophenol	10.222	162	867930	47.870	ng		98
30) 1,2,4-Trichlorobenzene	10.434	180	953445	45.456	ng		99
31) Naphthalene	10.622	128	2418053	44.811	ng		99
32) Benzoic acid	9.886	122	566179	42.966	ng		98
33) 4-Chloroaniline	10.728	127	212114	11.132	ng		99
34) Hexachlorobutadiene	10.910	225	592511	45.668	ng		99
35) Caprolactam	11.510	113	244776	47.070	ng		95
36) 4-Chloro-3-methylphenol	11.863	107	780324	49.133	ng		99
37) 2-Methylnaphthalene	12.233	142	1605733	42.235	ng		100
38) 1-Methylnaphthalene	12.457	142	1688879	45.597	ng		100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1105688	45.728	ng		99
41) Hexachlorocyclopentadiene	12.592	237	1498293	176.840	ng		100
43) 2,4,6-Trichlorophenol	12.851	196	737476	47.931	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049865.D
Acq On : 09 Apr 2025 13:08
Operator : RC/JU
Sample : Q1744-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Quant Time: Apr 10 01:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

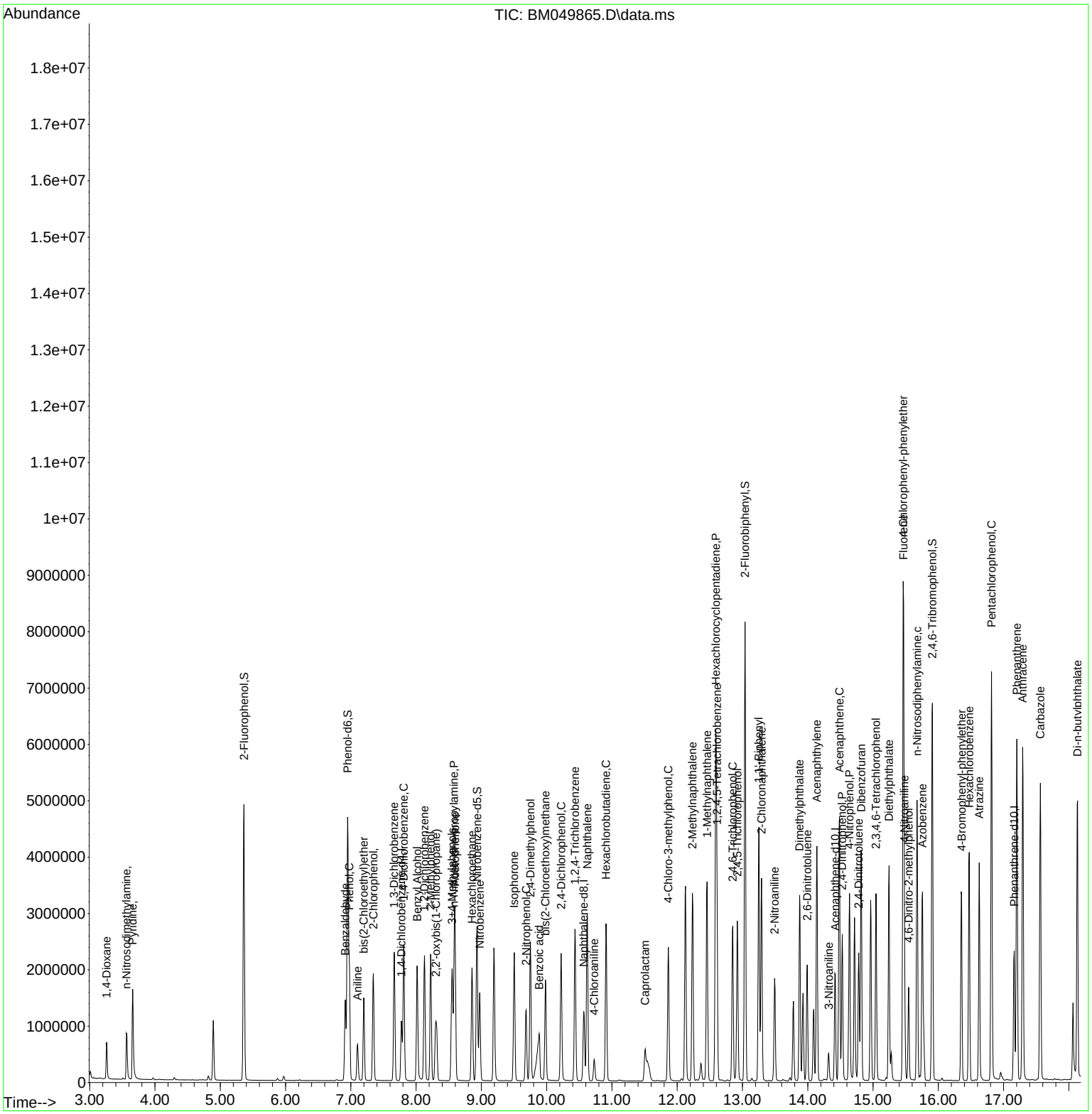
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	799432	47.812	ng	99
46) 1,1'-Biphenyl	13.251	154	2353870	45.815	ng	100
47) 2-Chloronaphthalene	13.292	162	1863914	46.157	ng	99
48) 2-Nitroaniline	13.492	65	458167	49.043	ng	98
49) Acenaphthylene	14.139	152	2960303	50.326	ng	99
50) Dimethylphthalate	13.874	163	2262384	46.399	ng	99
51) 2,6-Dinitrotoluene	13.992	165	490899	48.053	ng	98
52) Acenaphthene	14.486	154	1735053	46.372	ng	99
53) 3-Nitroaniline	14.321	138	132704	13.440	ng	100
54) 2,4-Dinitrophenol	14.527	184	621378	83.632	ng	98
55) Dibenzofuran	14.821	168	2807021	44.878	ng	98
56) 4-Nitrophenol	14.639	139	930802	105.790	ng	100
57) 2,4-Dinitrotoluene	14.780	165	697374	51.170	ng	97
58) Fluorene	15.468	166	2361809	47.504	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	689387	47.041	ng	99
60) Diethylphthalate	15.245	149	2130155	45.556	ng	99
61) 4-Chlorophenyl-phenyle...	15.463	204	1275390	47.847	ng	99
62) 4-Nitroaniline	15.480	138	451987	44.266	ng	99
63) Azobenzene	15.757	77	2042909	51.031	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	401583	46.011	ng	99
66) n-Nitrosodiphenylamine	15.674	169	1992233	48.064	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	755272	46.973	ng	96
68) Hexachlorobenzene	16.474	284	874487	47.416	ng	98
69) Atrazine	16.627	200	726702	67.619	ng	97
70) Pentachlorophenol	16.815	266	1316399	96.951	ng	99
71) Phenanthrene	17.204	178	3664770	48.263	ng	100
72) Anthracene	17.292	178	3737841	49.950	ng	100
73) Carbazole	17.562	167	3424599	48.588	ng	100
74) Di-n-butylphthalate	18.133	149	3797075	46.773	ng	99
75) Fluoranthene	19.221	202	4521849	48.432	ng	98
77) Benzidine	19.404	184	1817127	93.676	ng	100
78) Pyrene	19.580	202	4732548	46.963	ng	99
80) Butylbenzylphthalate	20.480	149	1682886	44.444	ng	99
81) Benzo(a)anthracene	21.380	228	4823789	49.640	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	545235	14.857	ng	100
83) Chrysene	21.445	228	4624441	50.056	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2462859	44.643	ng	99
85) Di-n-octyl phthalate	22.439	149	4144598	42.944	ng	100
87) Indeno(1,2,3-cd)pyrene	27.779	276	5555016	49.205	ng	99
88) Benzo(b)fluoranthene	23.450	252	4850380	50.145	ng	99
89) Benzo(k)fluoranthene	23.515	252	4897679	52.250	ng	100
90) Benzo(a)pyrene	24.256	252	4441609	52.256	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	4529739	48.712	ng	100
92) Benzo(g,h,i)perylene	28.832	276	4410499	46.414	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049865.D
Acq On : 09 Apr 2025 13:08
Operator : RC/JU
Sample : Q1744-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Quant Time: Apr 10 01:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

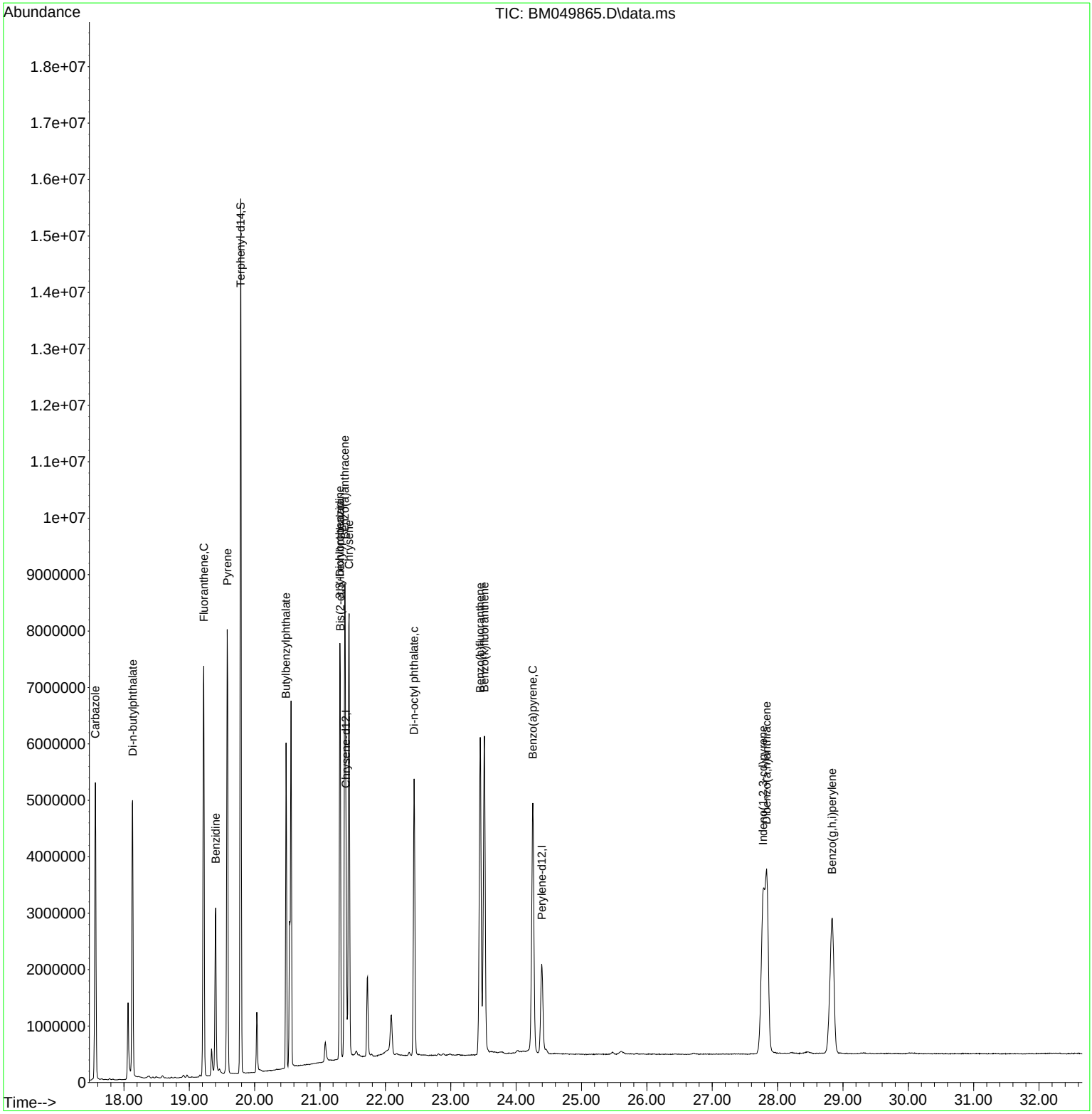


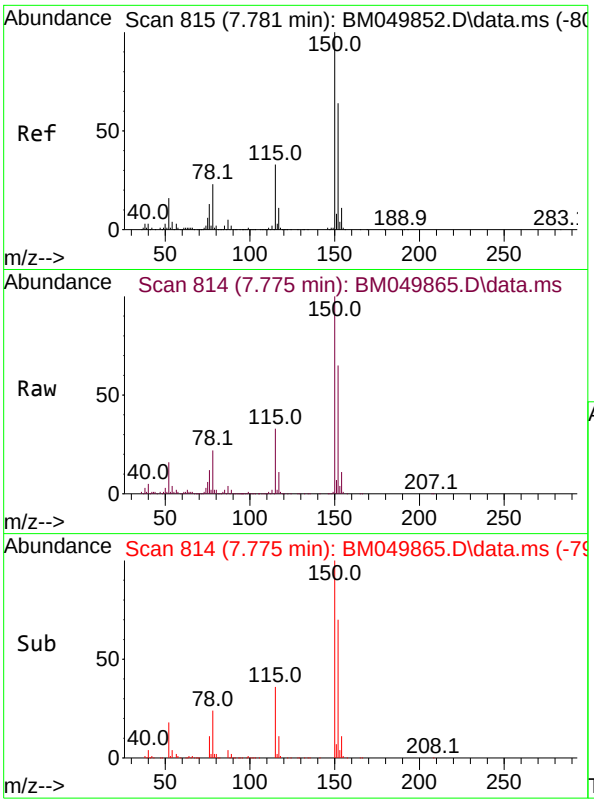
Sample Results: **BM049865.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049865.D
Acq On : 09 Apr 2025 13:08
Operator : RC/JU
Sample : Q1744-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Quant Time: Apr 10 01:41:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



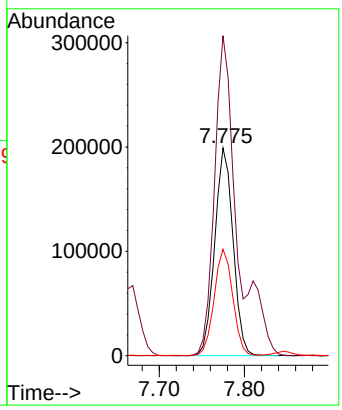


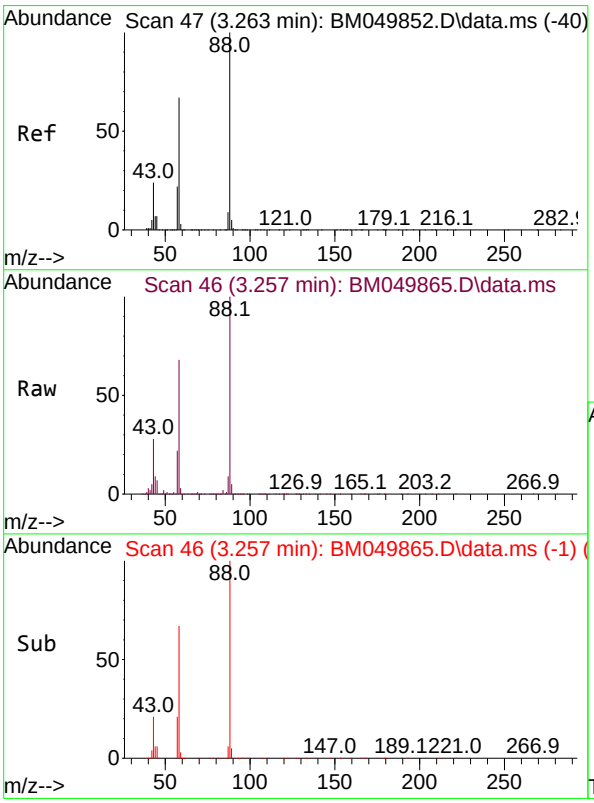
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:152 Resp: 298114

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.3	186.5
115	51.2	41.1	61.7

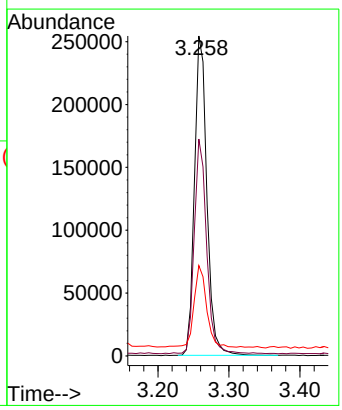


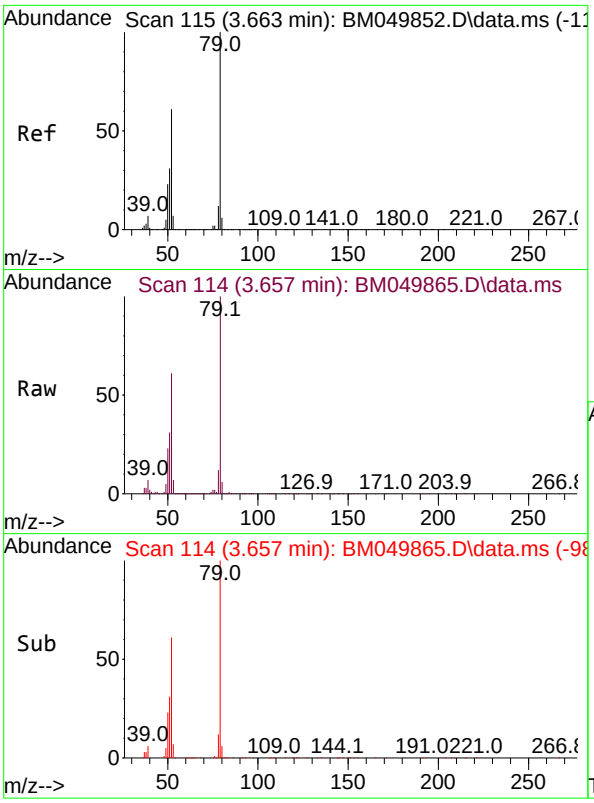


#2
1,4-Dioxane
Concen: 42.838 ng
RT: 3.257 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion: 88 Resp: 309728

Ion	Ratio	Lower	Upper
88	100		
58	67.2	54.1	81.1
43	25.6	20.2	30.4



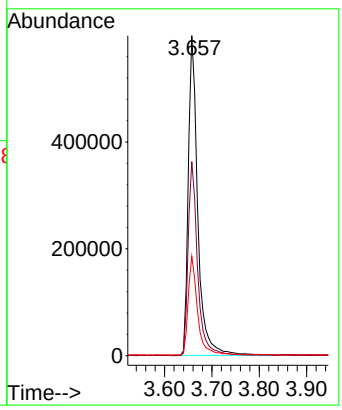


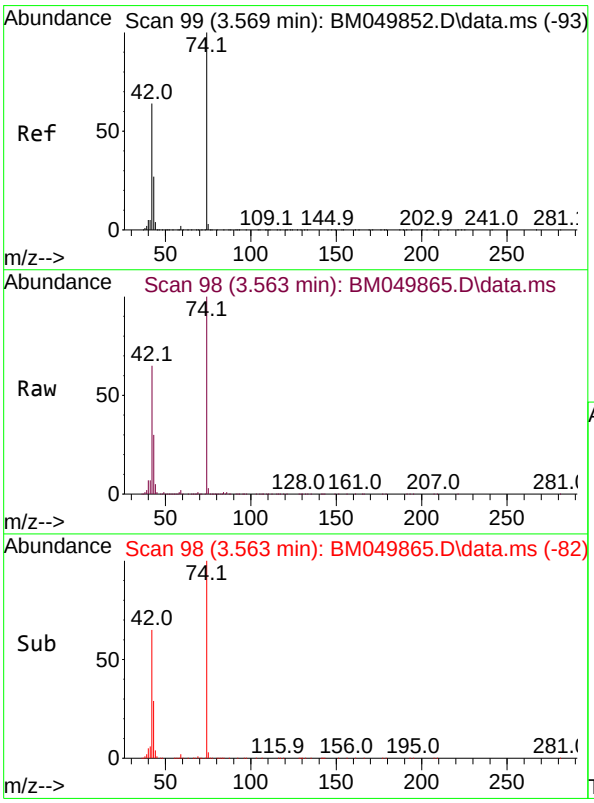
#3
Pyridine
Concen: 43.957 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 79 Resp: 835012

Ion	Ratio	Lower	Upper
79	100		
52	60.7	48.9	73.3
51	31.0	25.0	37.6

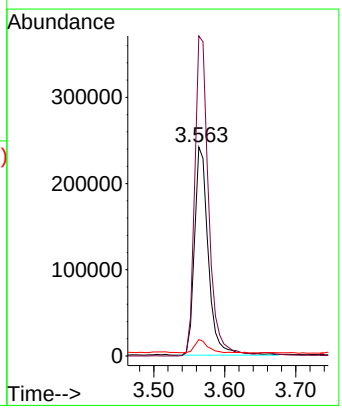


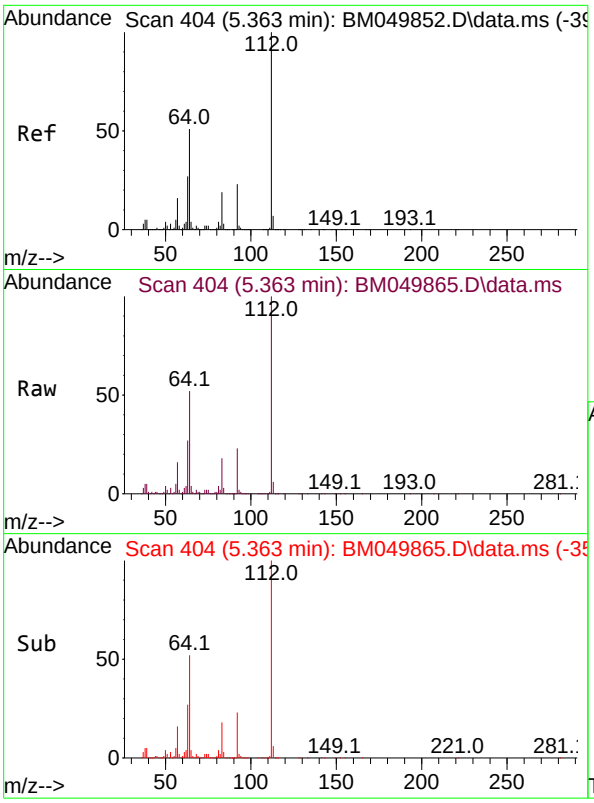


#4
n-Nitrosodimethylamine
Concen: 45.290 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion: 42 Resp: 327410

Ion	Ratio	Lower	Upper
42	100		
74	153.2	125.4	188.2
44	7.8	5.9	8.9



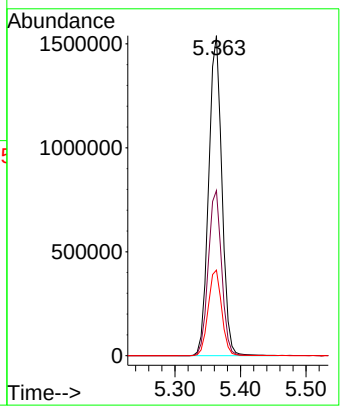


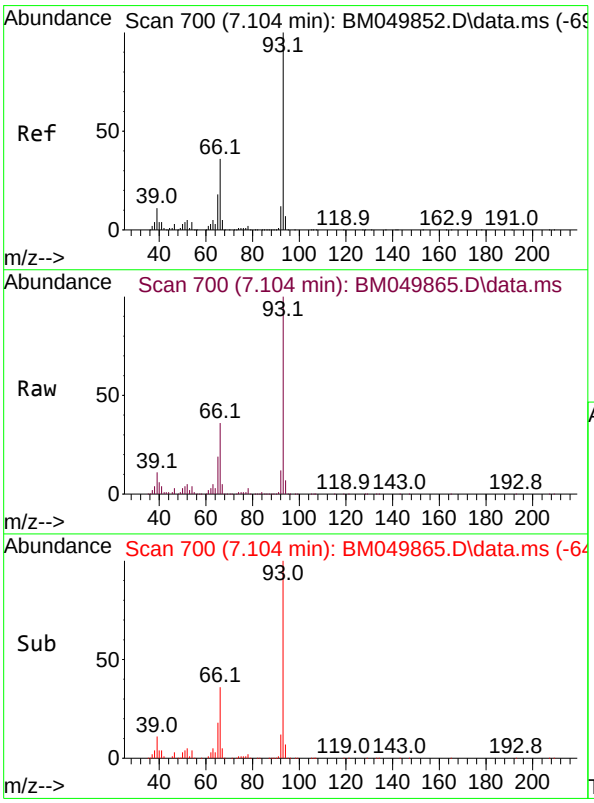
#5
2-Fluorophenol
Concen: 122.776 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:112 Resp: 2155451

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.0	61.6
63	26.8	21.5	32.3

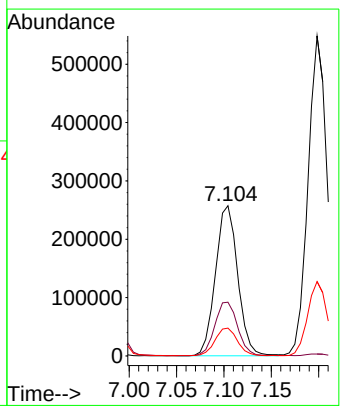


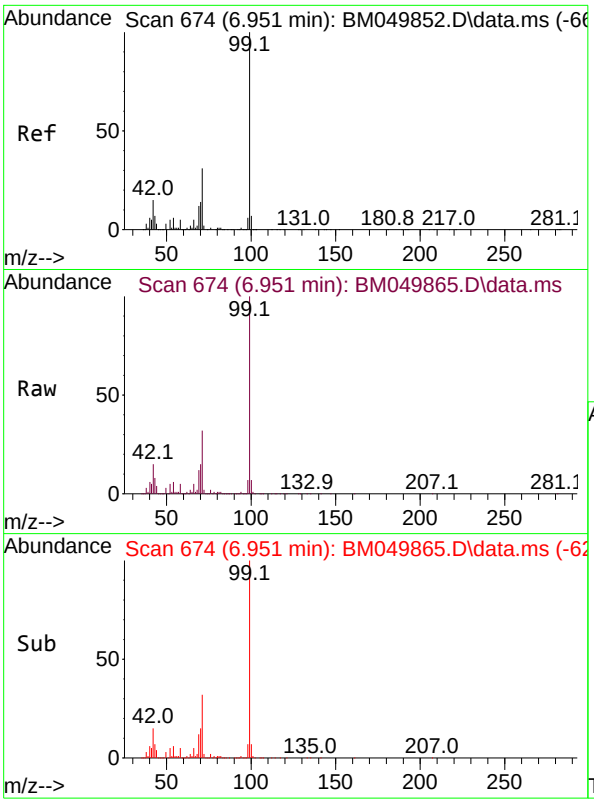


#6
Aniline
Concen: 22.502 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion: 93 Resp: 421157

Ion	Ratio	Lower	Upper
93	100		
66	35.8	29.1	43.7
65	18.5	14.9	22.3



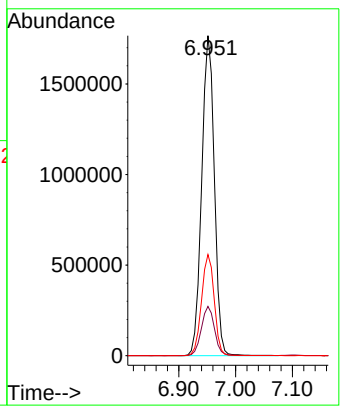


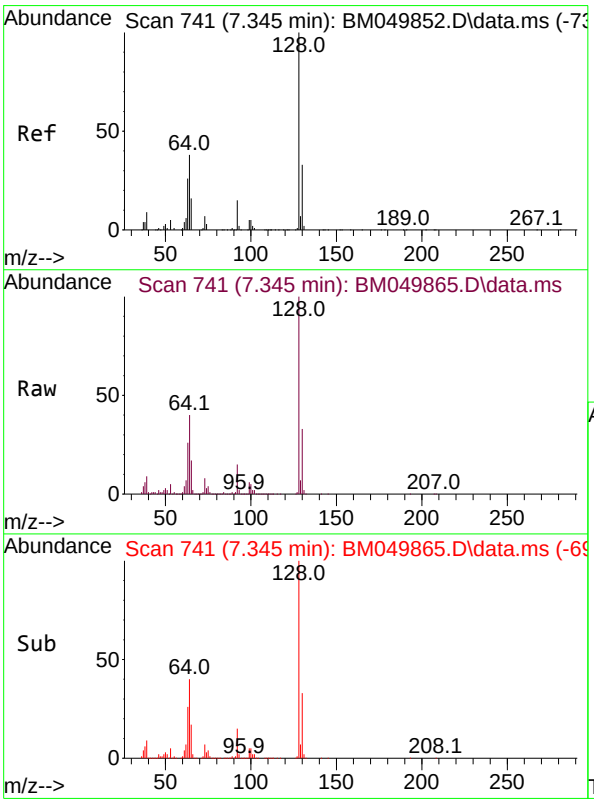
#7
Phenol-d6
Concen: 124.716 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 99 Resp: 2724158

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.1	18.1
71	31.6	24.9	37.3

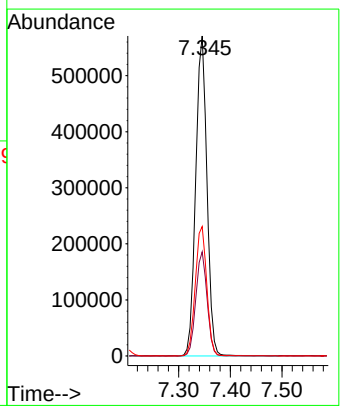


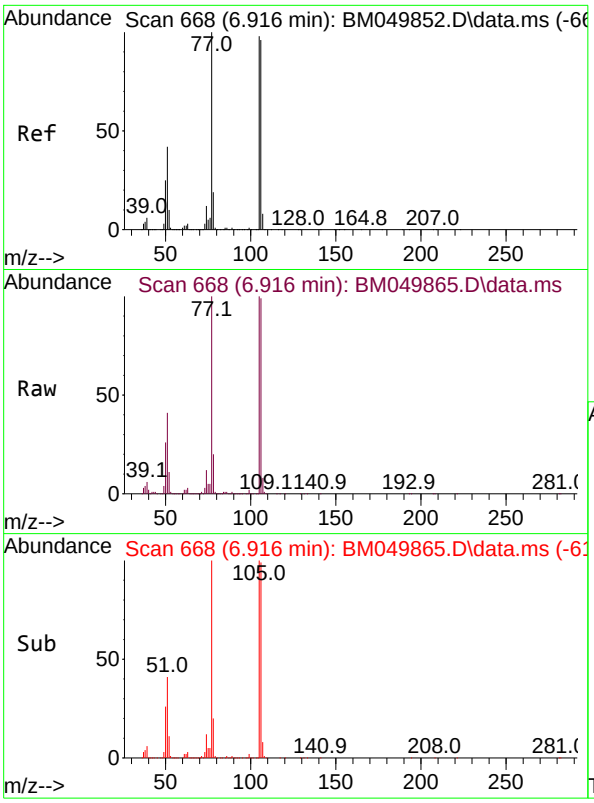


#8
2-Chlorophenol
Concen: 47.988 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:128 Resp: 863377

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	40.4	21.1	61.1



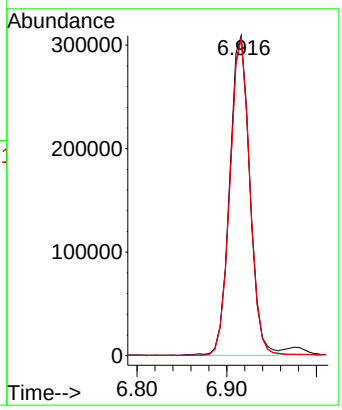


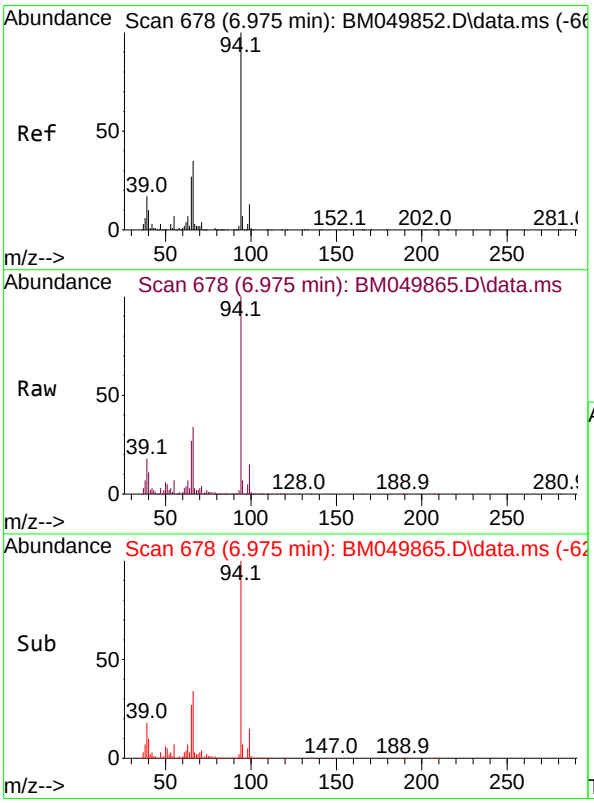
#9
Benzaldehyde
Concen: 42.656 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 77 Resp: 478135

Ion	Ratio	Lower	Upper
77	100		
105	99.8	78.3	118.3
106	99.0	76.0	116.0

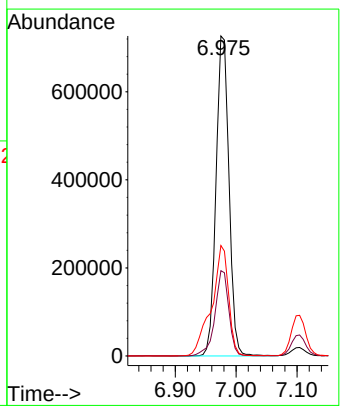


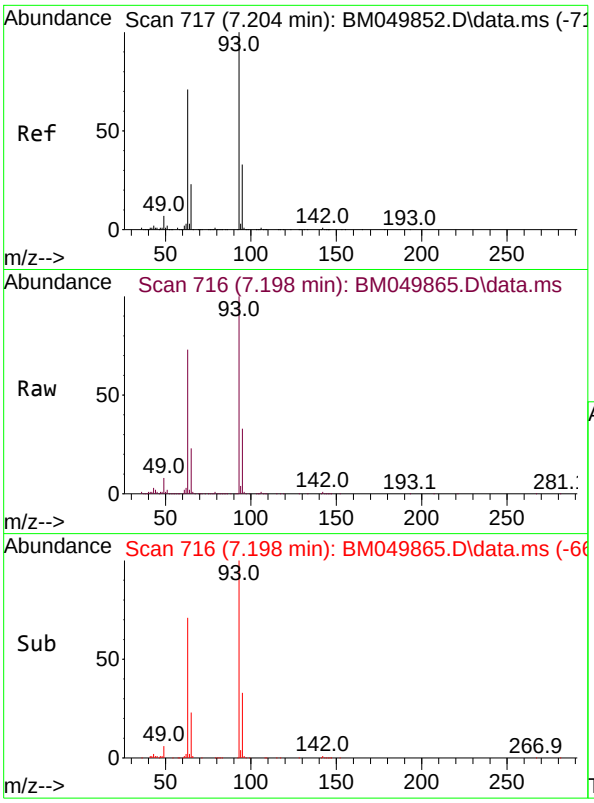


#10
Phenol
Concen: 50.325 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion: 94 Resp: 1072705

Ion	Ratio	Lower	Upper
94	100		
65	26.6	7.3	47.3
66	34.5	14.8	54.8



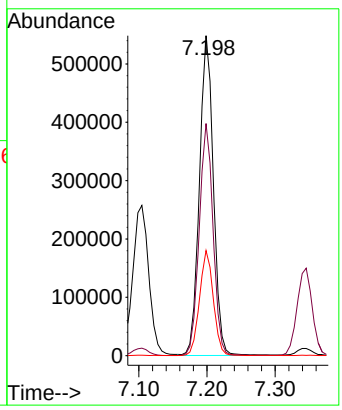


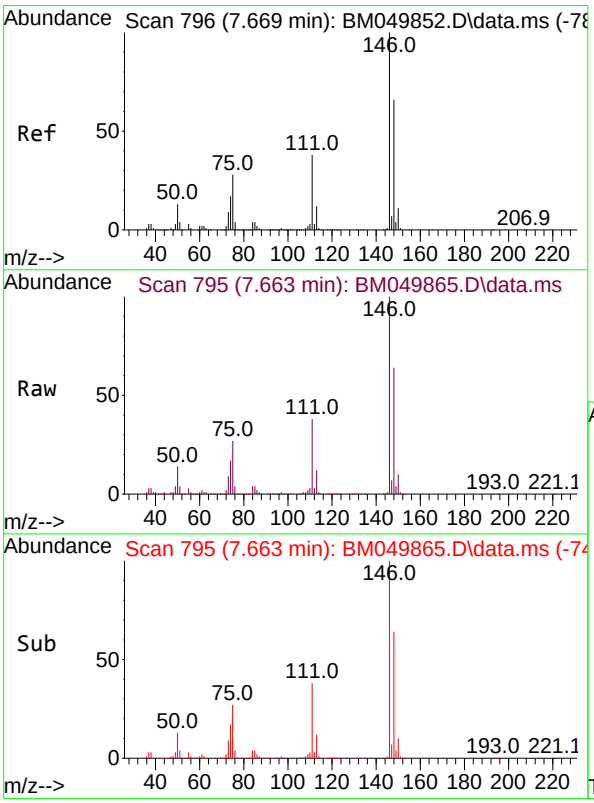
#11
bis(2-Chloroethyl)ether
Concen: 46.646 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 93 Resp: 779707

Ion	Ratio	Lower	Upper
93	100		
63	72.5	50.9	90.9
95	32.9	12.6	52.6

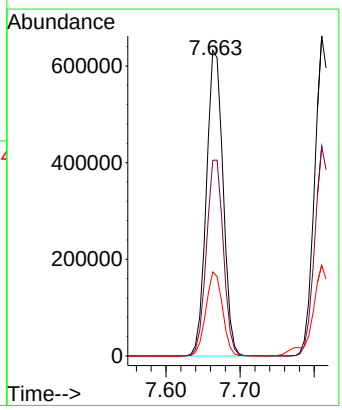


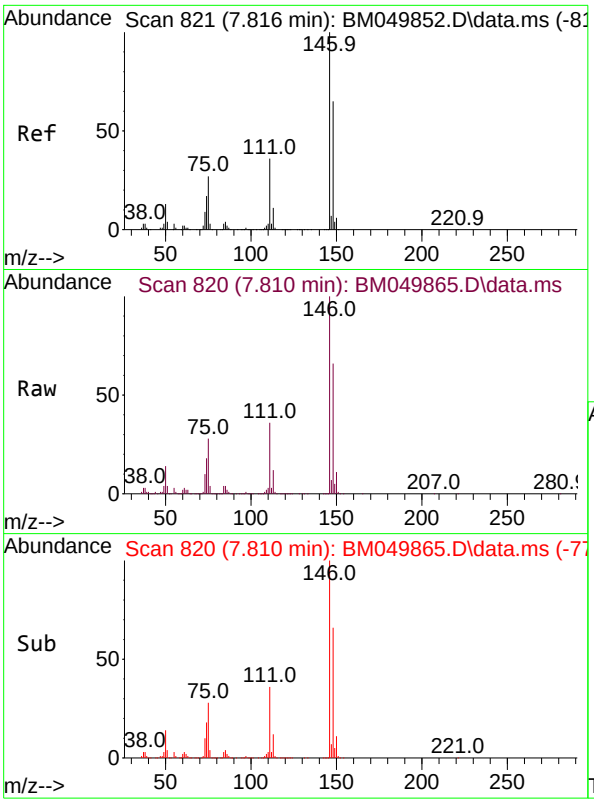


#12
1,3-Dichlorobenzene
Concen: 46.518 ng
RT: 7.663 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:146 Resp: 989476

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.5	78.7
75	27.5	22.5	33.7



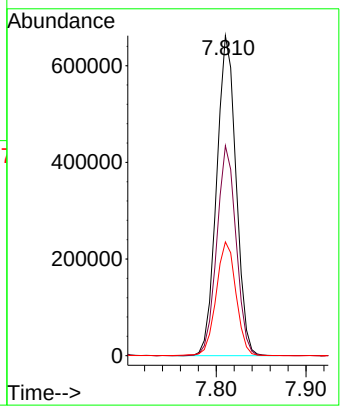


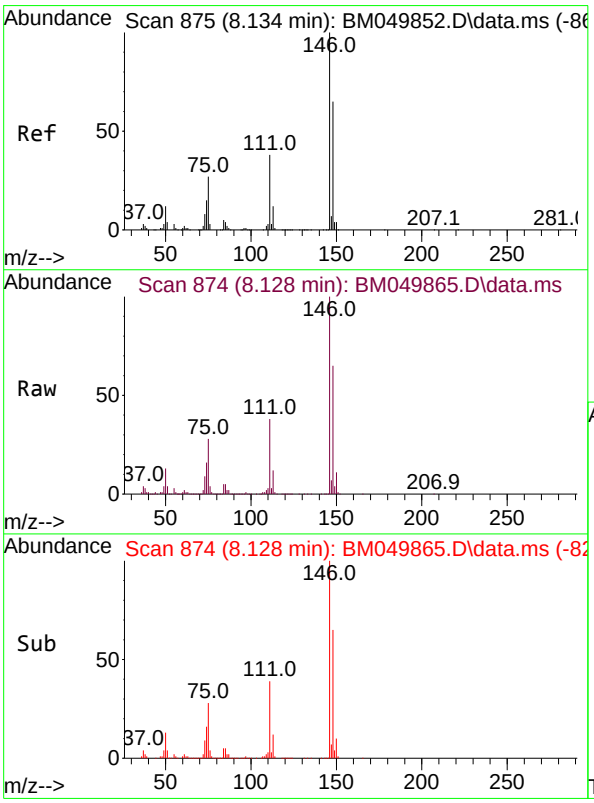
#13
1,4-Dichlorobenzene
Concen: 46.478 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:146 Resp: 994756

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.4	78.6
111	35.6	28.5	42.7

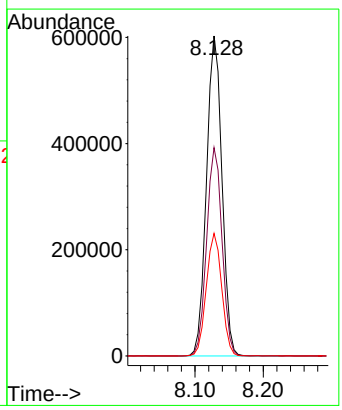


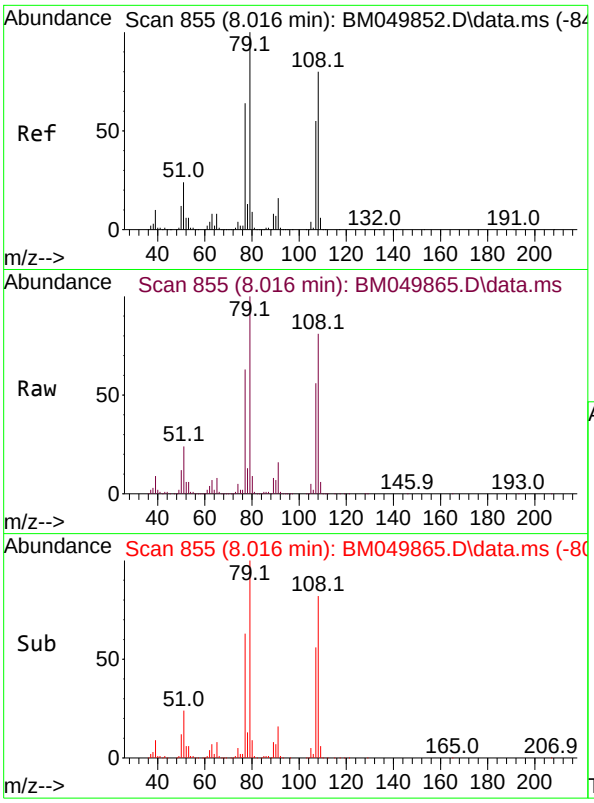


#14
1,2-Dichlorobenzene
Concen: 47.181 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:146 Resp: 951142

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.8	77.8
111	38.3	30.2	45.4



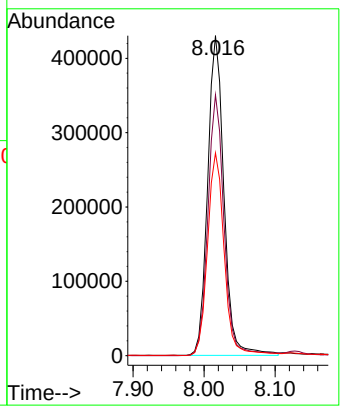


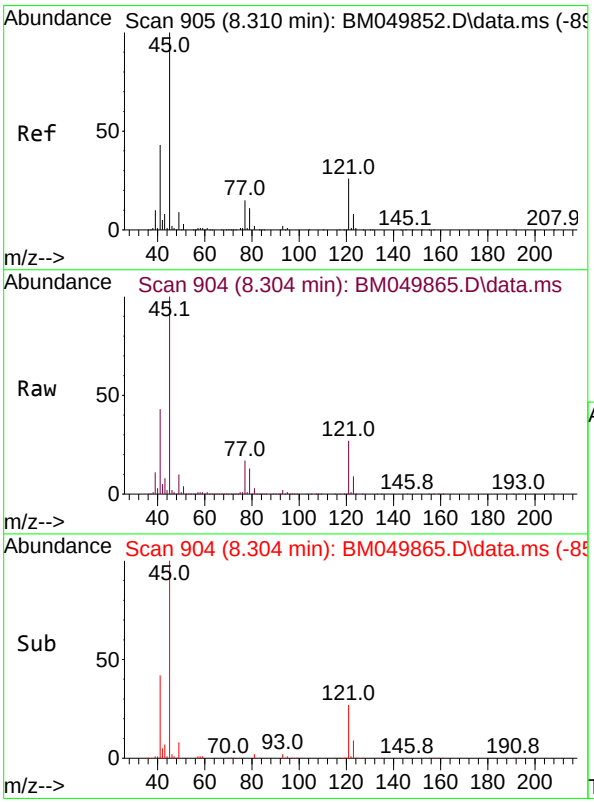
#15
Benzyl Alcohol
Concen: 49.988 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 79 Resp: 687559

Ion	Ratio	Lower	Upper
79	100		
108	81.5	63.6	95.4
77	63.4	51.3	76.9

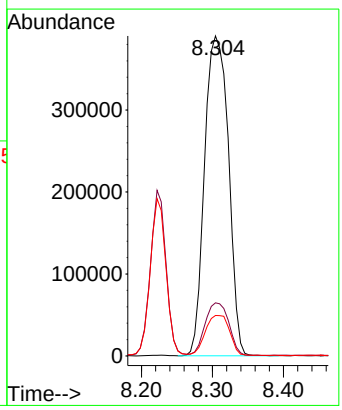


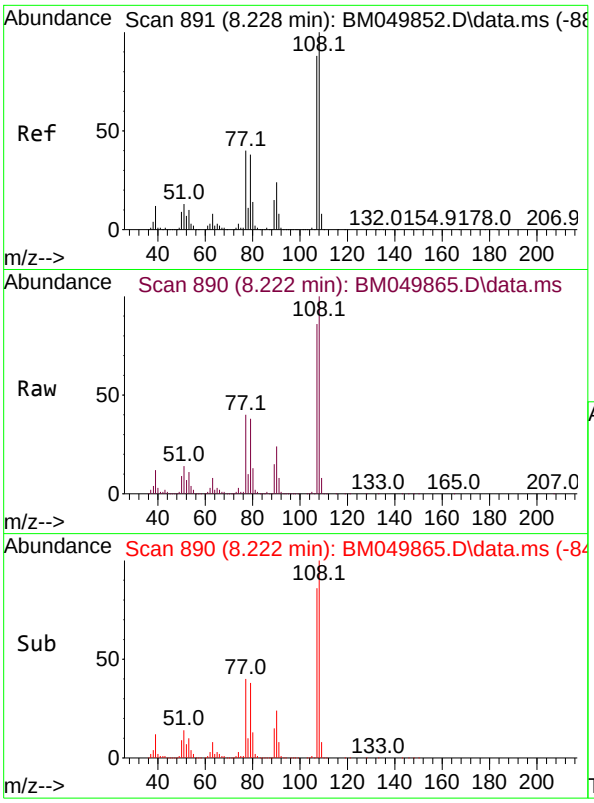


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.959 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion: 45 Resp: 912146

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.9
79	12.7	0.0	32.9



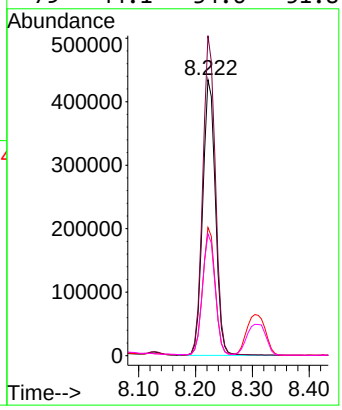


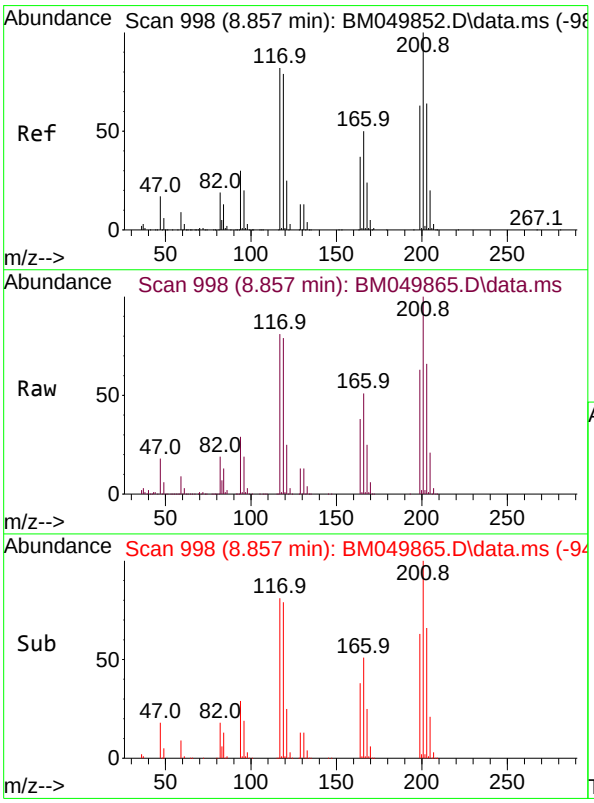
#17
2-Methylphenol
Concen: 51.134 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:107 Resp: 671680

Ion	Ratio	Lower	Upper
107	100		
108	115.9	91.0	136.6
77	46.5	36.5	54.7
79	44.1	34.6	51.8

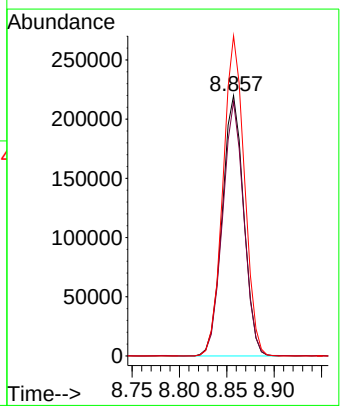


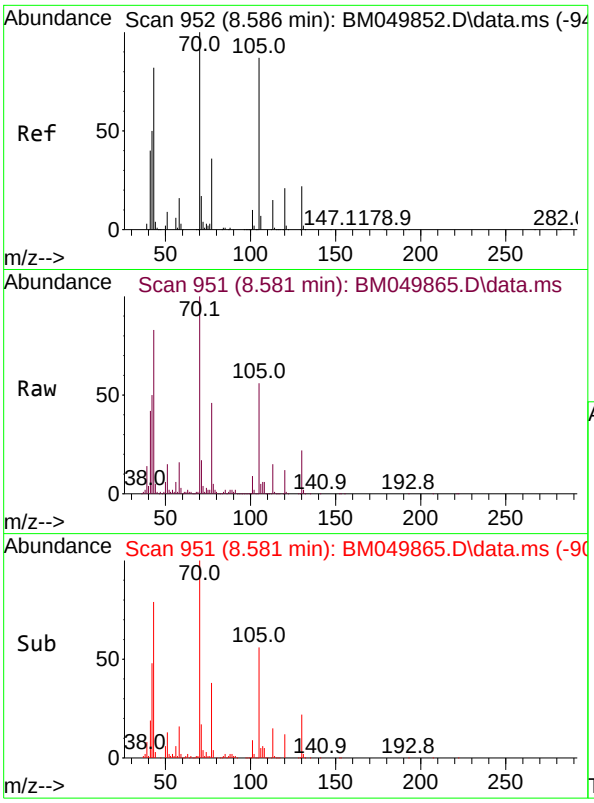


#18
Hexachloroethane
Concen: 46.705 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:117 Resp: 347778

Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.5	116.3
201	122.9	97.7	146.5



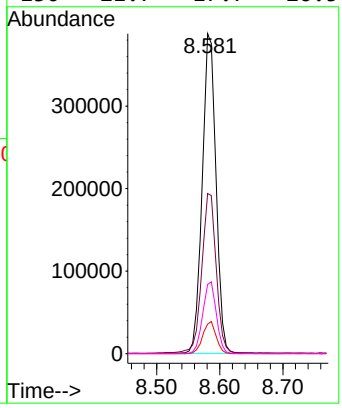


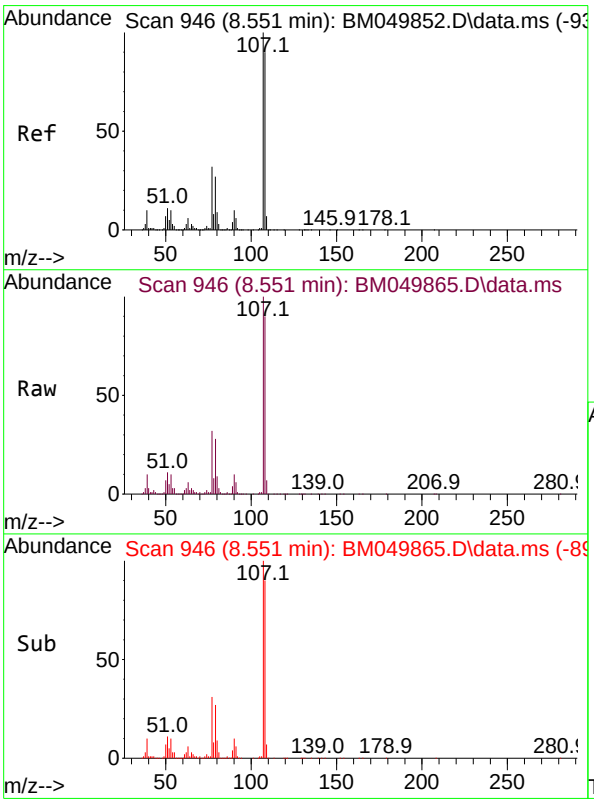
#19
n-Nitroso-di-n-propylamine
Concen: 48.392 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 70 Resp: 585438

Ion	Ratio	Lower	Upper
70	100		
42	50.0	40.2	60.2
101	9.3	7.9	11.9
130	21.7	17.7	26.5

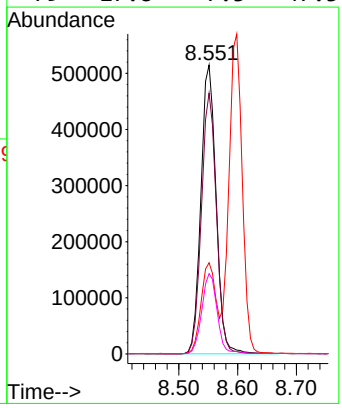


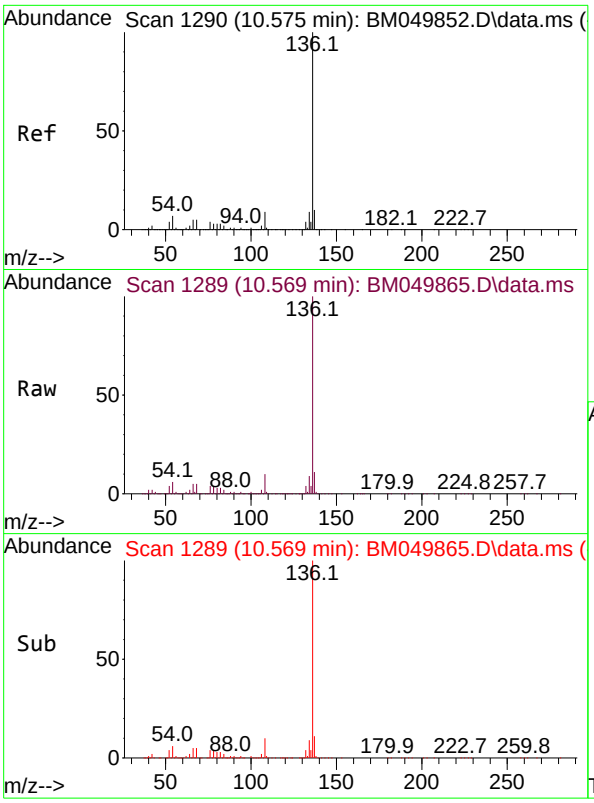


#20
3+4-Methylphenols
Concen: 51.480 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:107 Resp: 921924

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.6	109.6
77	31.5	11.7	51.7
79	27.8	7.3	47.3



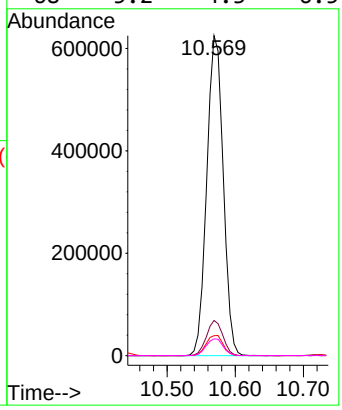


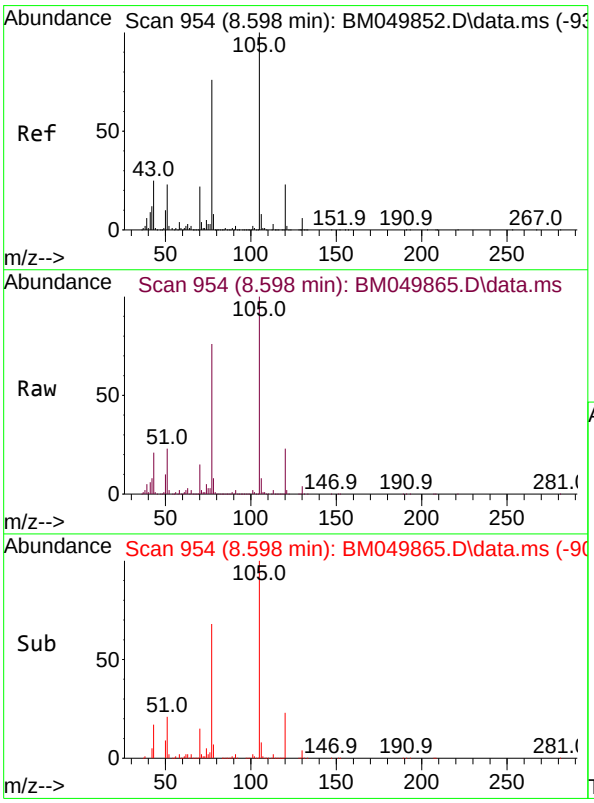
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:136 Resp: 1050152

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.3	5.3	7.9
68	5.2	4.3	6.5

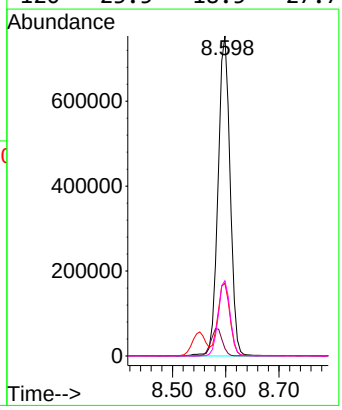


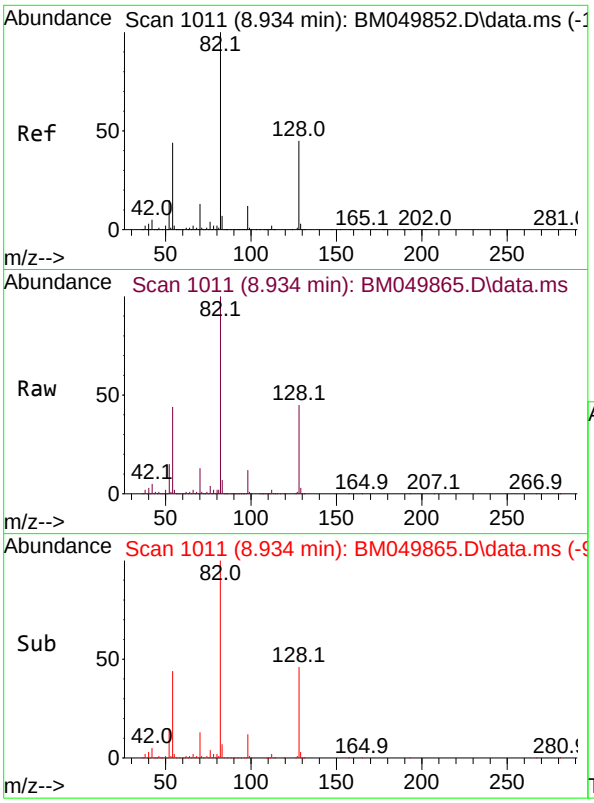


#22
Acetophenone
Concen: 46.289 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:105 Resp: 1181375

Ion	Ratio	Lower	Upper
105	100		
71	2.4	3.0	4.4#
51	22.7	18.6	27.8
120	23.5	18.5	27.7



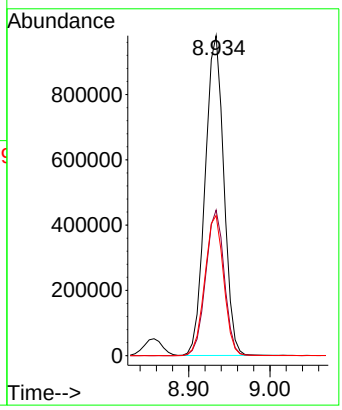


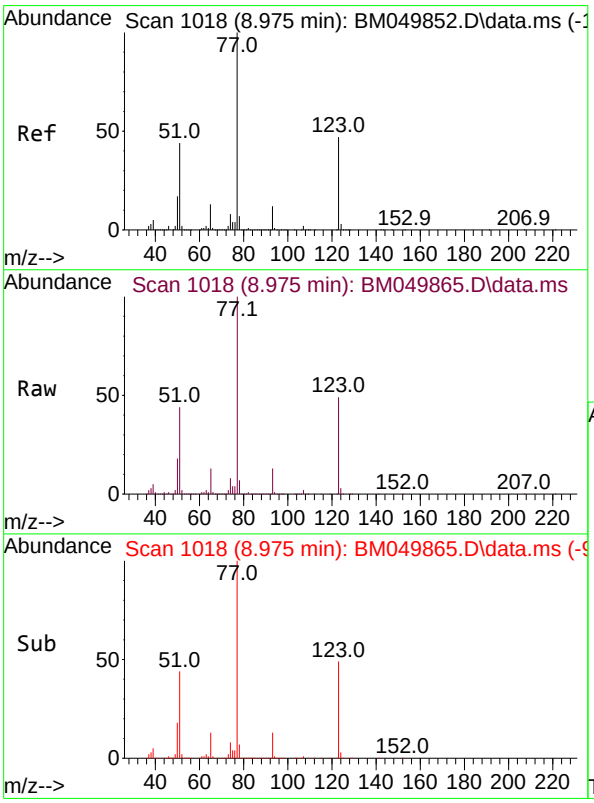
#23
Nitrobenzene-d5
Concen: 82.869 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 82 Resp: 1562799

Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.2	54.2
54	43.8	35.0	52.6

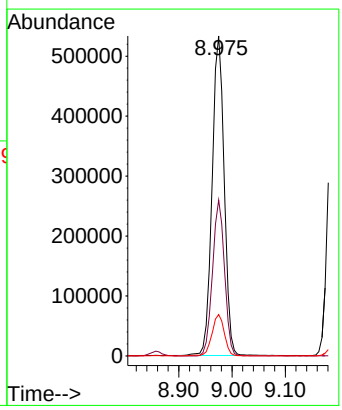


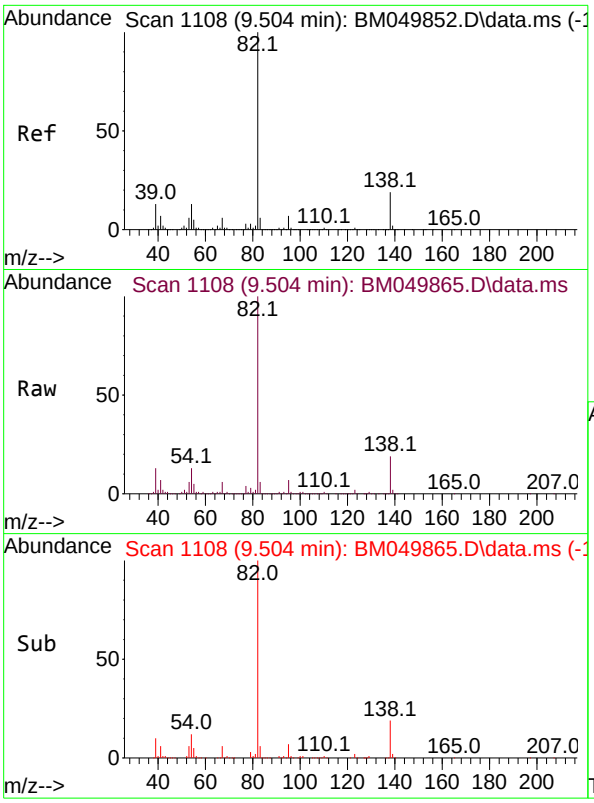


#24
Nitrobenzene
Concen: 46.397 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion: 77 Resp: 842536

Ion	Ratio	Lower	Upper
77	100		
123	48.8	37.4	56.2
65	12.9	10.1	15.1



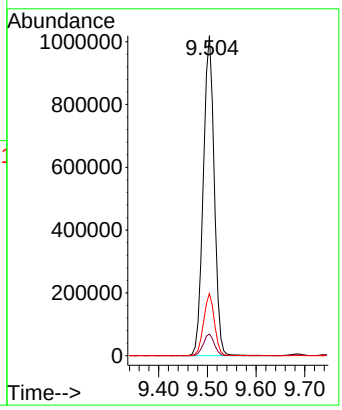


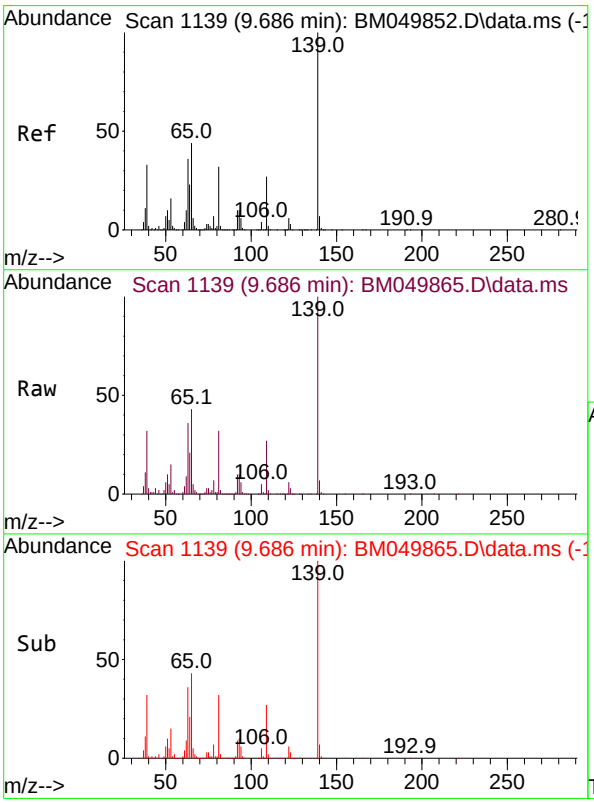
#25
Isophorone
Concen: 50.244 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 82 Resp: 1587310

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.4	15.0	22.6

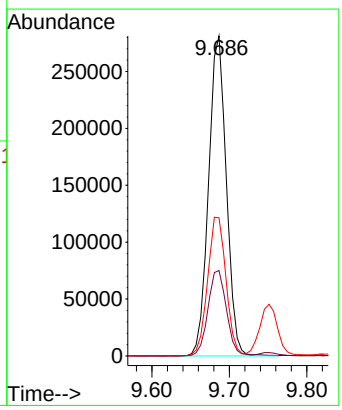


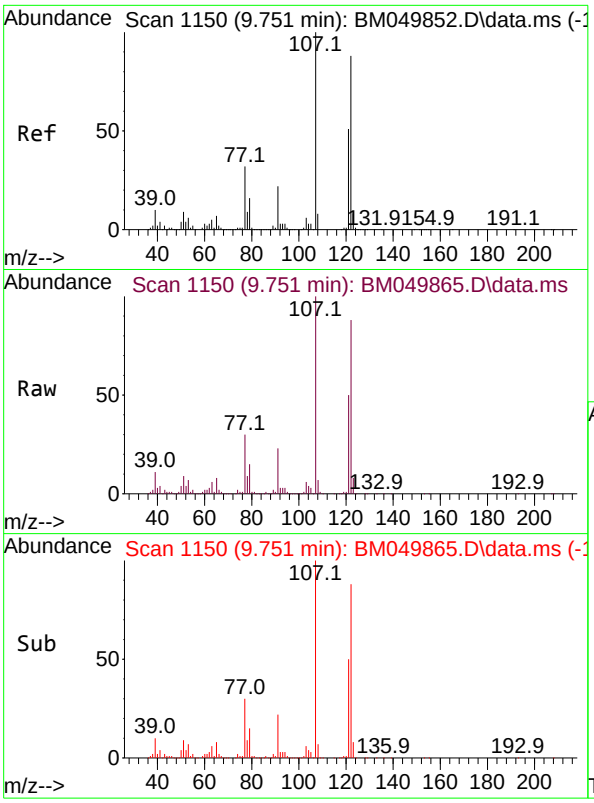


#26
2-Nitrophenol
Concen: 46.535 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:139 Resp: 447885

Ion	Ratio	Lower	Upper
139	100		
109	26.7	21.7	32.5
65	43.2	35.2	52.8



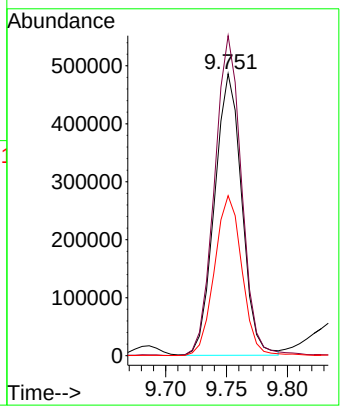


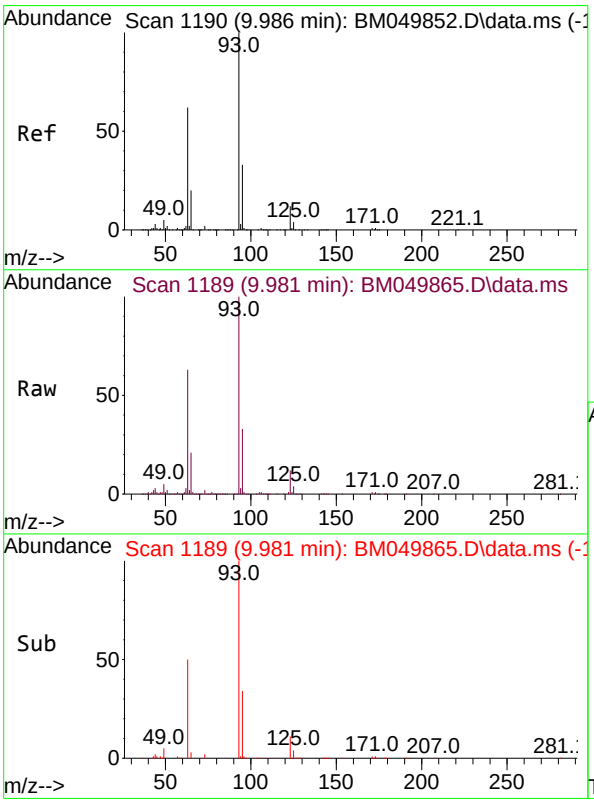
#27
2,4-Dimethylphenol
Concen: 69.382 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:122 Resp: 756789

Ion	Ratio	Lower	Upper
122	100		
107	113.5	90.3	135.5
121	56.7	46.1	69.1

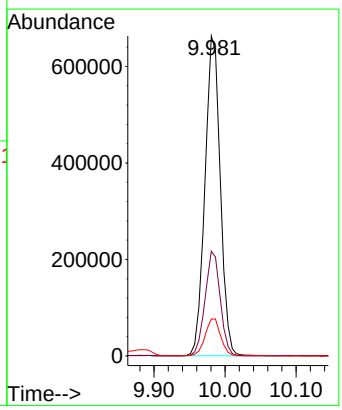


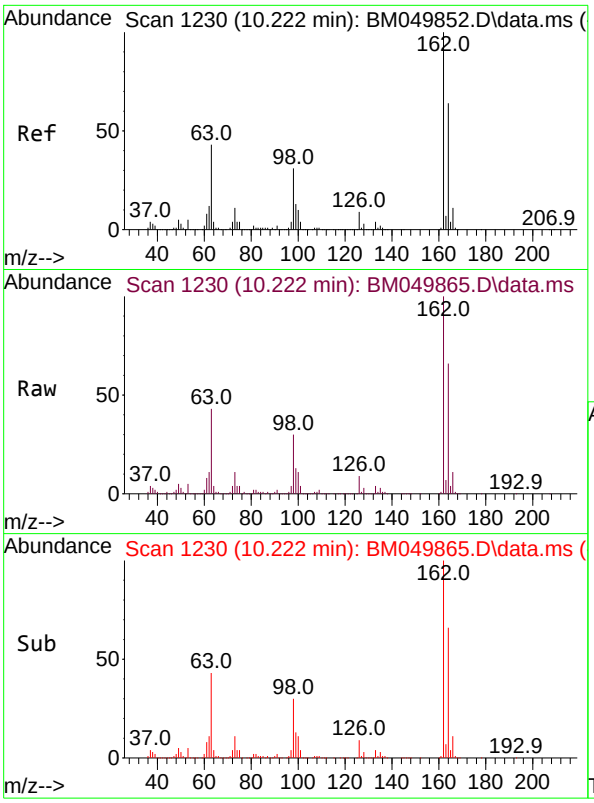


#28
bis(2-Chloroethoxy)methane
Concen: 47.187 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion: 93 Resp: 998019

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.6	9.5	14.3



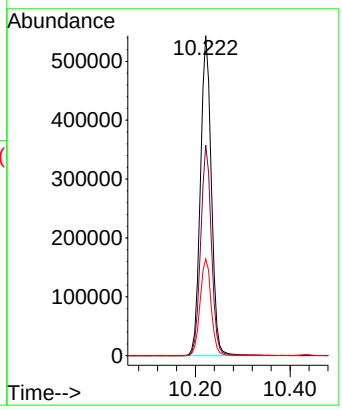


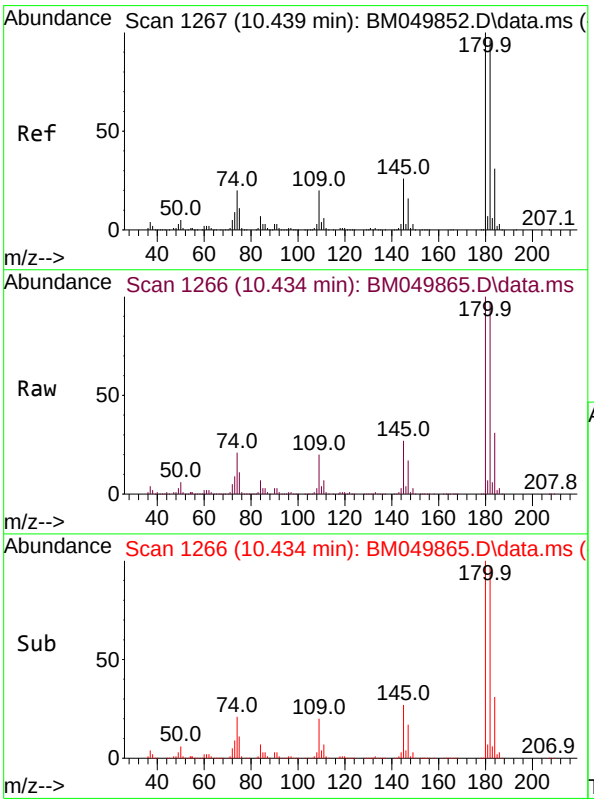
#29
2,4-Dichlorophenol
Concen: 47.870 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:162 Resp: 867930

Ion	Ratio	Lower	Upper
162	100		
164	65.8	44.3	84.3
98	30.3	10.9	50.9

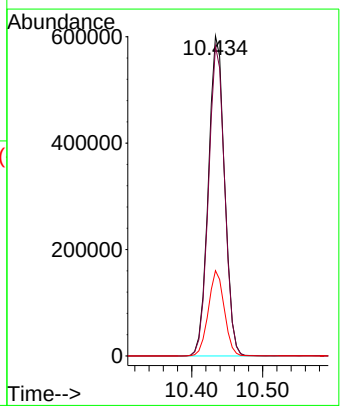


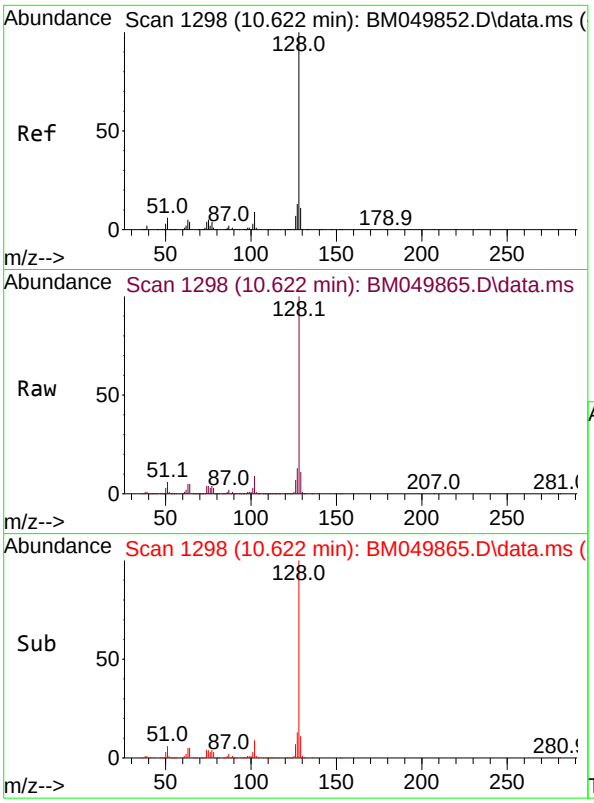


#30
1,2,4-Trichlorobenzene
Concen: 45.456 ng
RT: 10.434 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:180 Resp: 953445

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.7	115.1
145	26.6	20.8	31.2



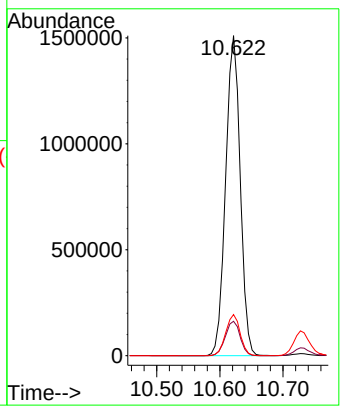


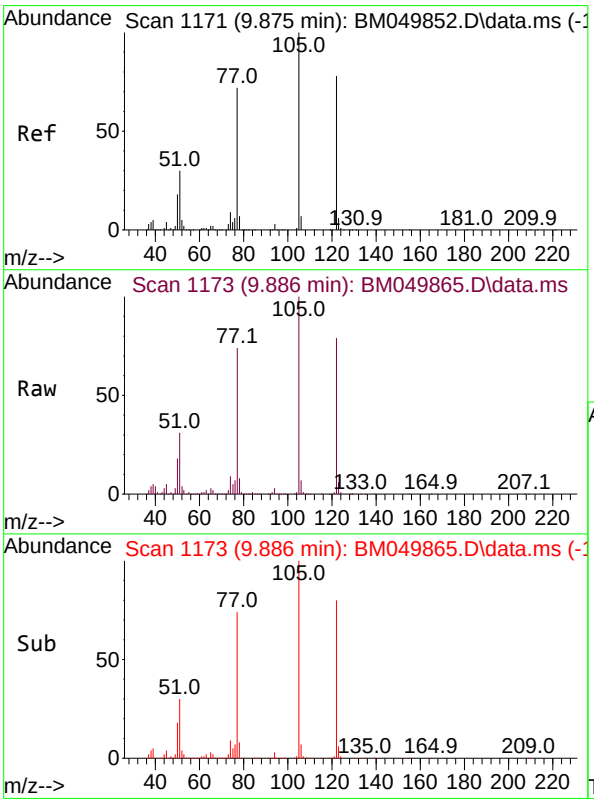
#31
Naphthalene
Concen: 44.811 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:128 Resp: 2418053

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.9	10.6	15.8

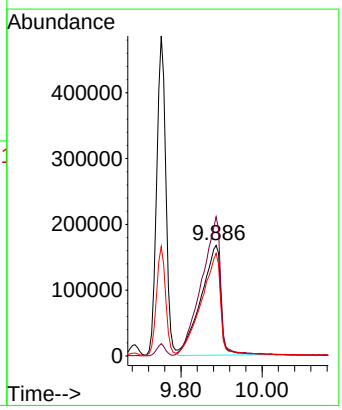


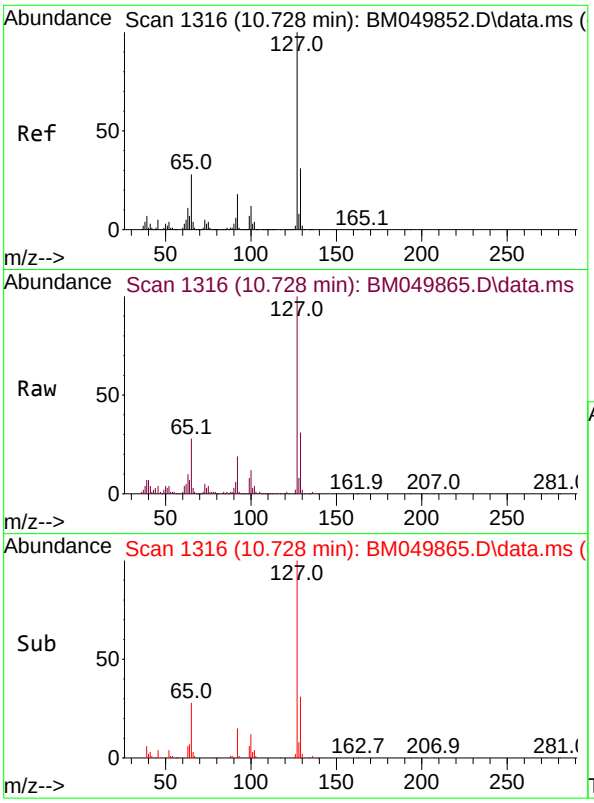


#32
Benzoic acid
Concen: 42.966 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:122 Resp: 566179

Ion	Ratio	Lower	Upper
122	100		
105	125.8	103.8	143.8
77	92.9	70.7	110.7



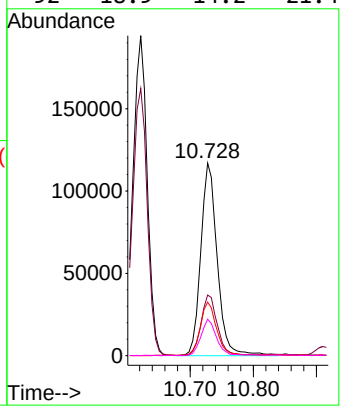


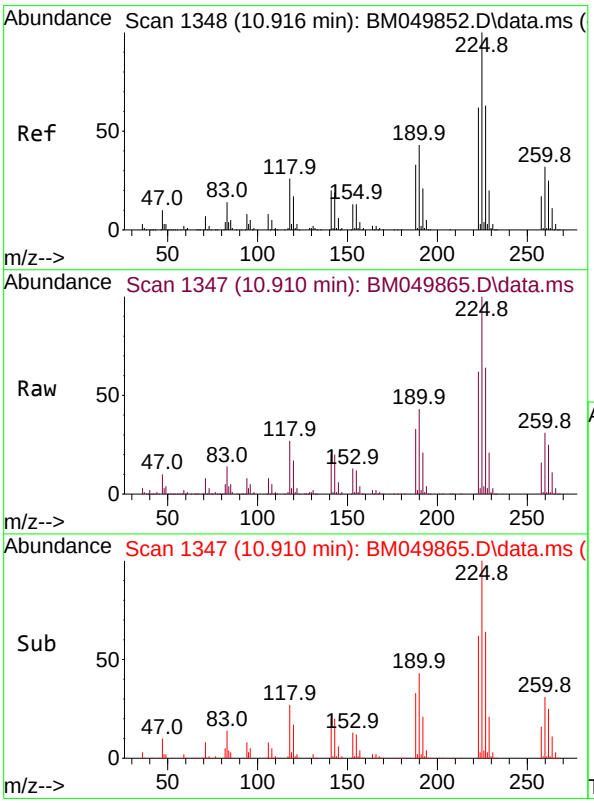
#33
4-Chloroaniline
Concen: 11.132 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:127 Resp: 212114

Ion	Ratio	Lower	Upper
127	100		
129	31.5	24.9	37.3
65	27.8	22.4	33.6
92	18.9	14.2	21.4

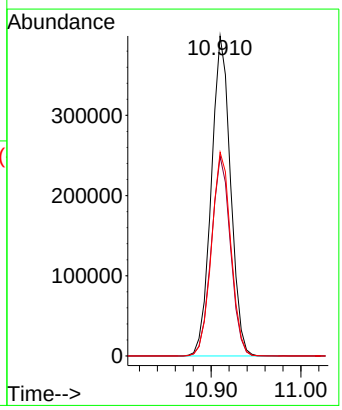


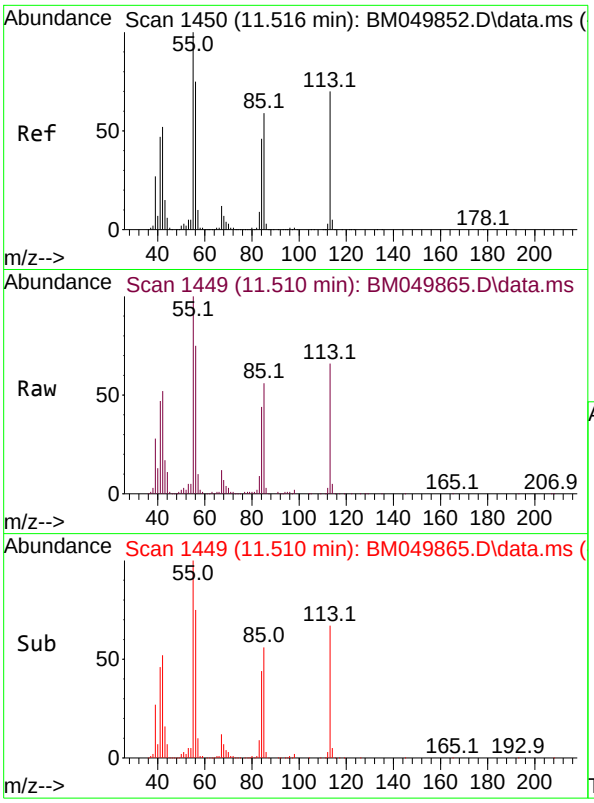


#34
Hexachlorobutadiene
Concen: 45.668 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:225 Resp: 592511

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.4	74.2
227	63.7	50.1	75.1



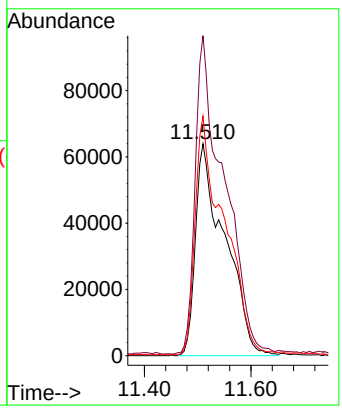


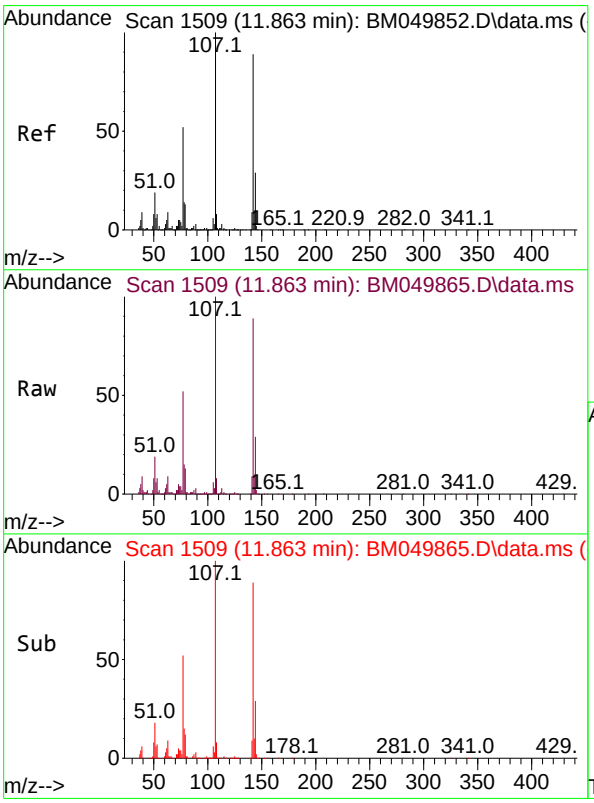
#35
Caprolactam
Concen: 47.070 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:113 Resp: 244776

Ion	Ratio	Lower	Upper
113	100		
55	151.1	124.3	164.3
56	113.1	87.5	127.5

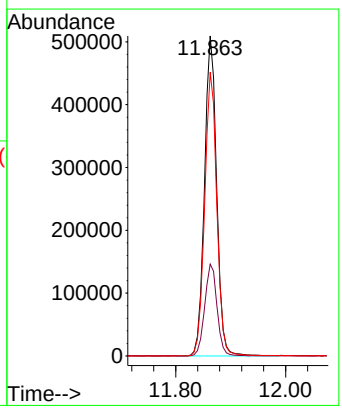


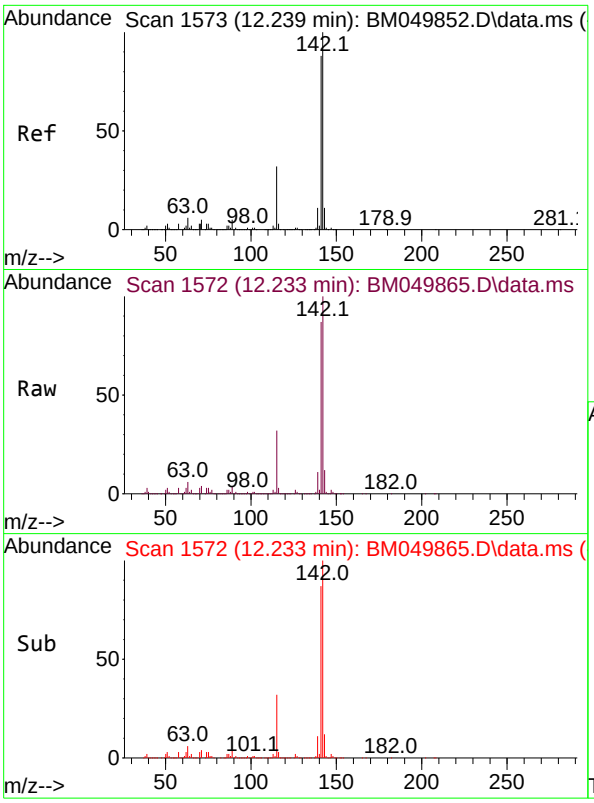


#36
4-Chloro-3-methylphenol
Concen: 49.133 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:107 Resp: 780324

Ion	Ratio	Lower	Upper
107	100		
144	28.7	23.6	35.4
142	88.7	71.4	107.0



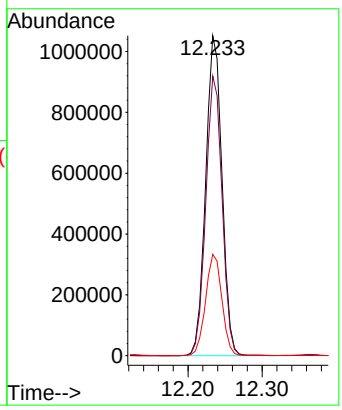


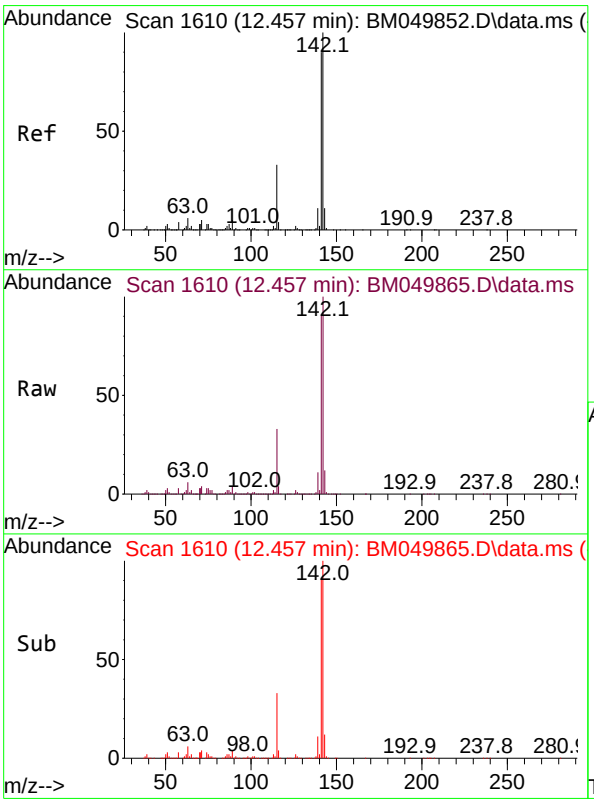
#37
2-Methylnaphthalene
Concen: 42.235 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:142 Resp: 1605733

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.2	105.2
115	31.7	25.4	38.2

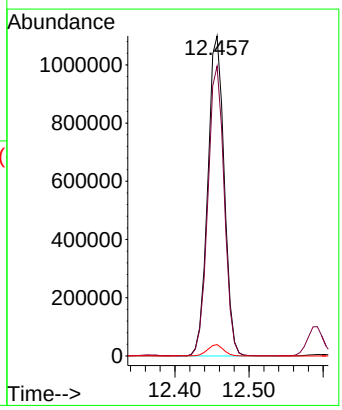


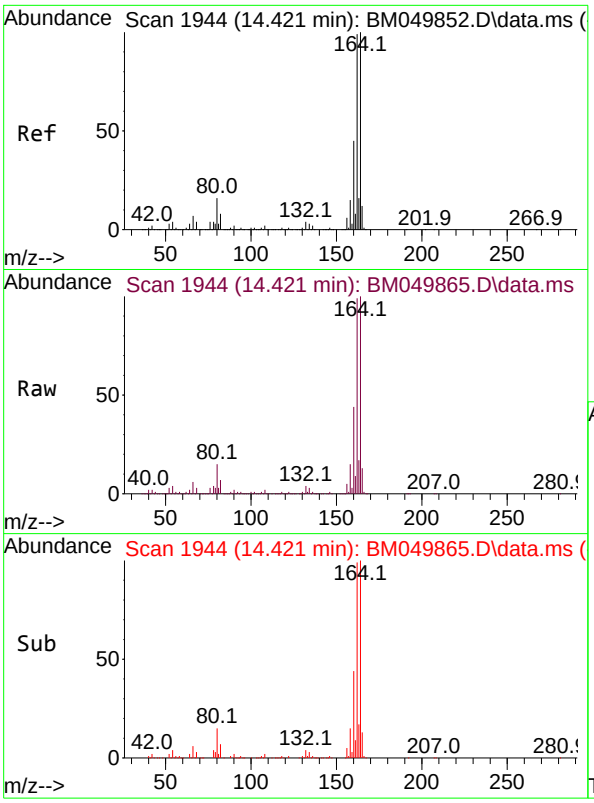


#38
1-Methylnaphthalene
Concen: 45.597 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:142 Resp: 1688879

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.2	108.2
116	3.5	2.9	4.3



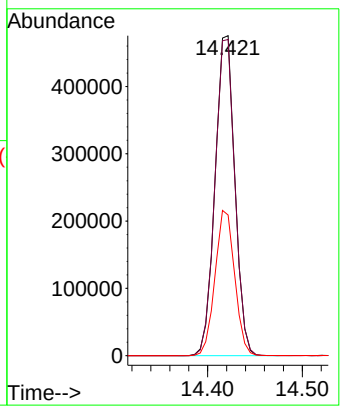


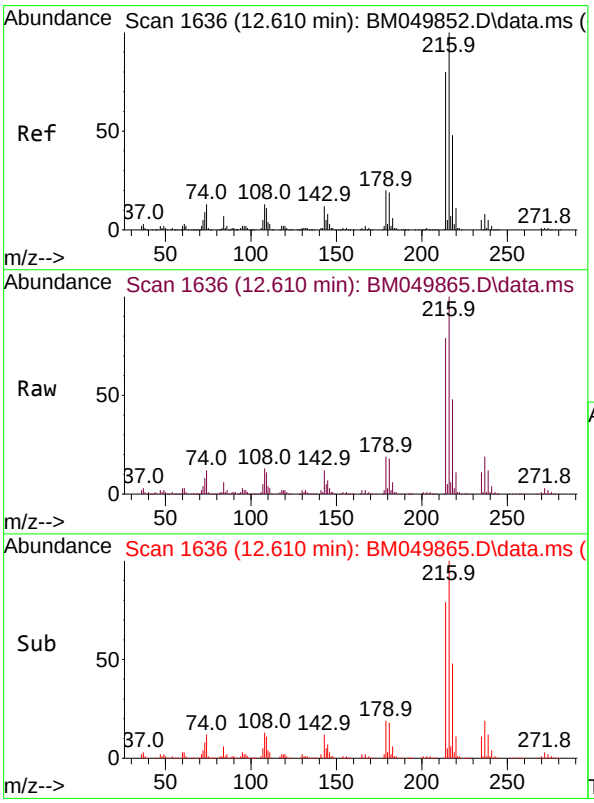
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:164 Resp: 691142

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.4	119.0
160	44.0	36.2	54.2

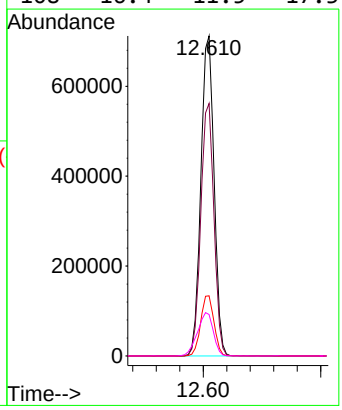


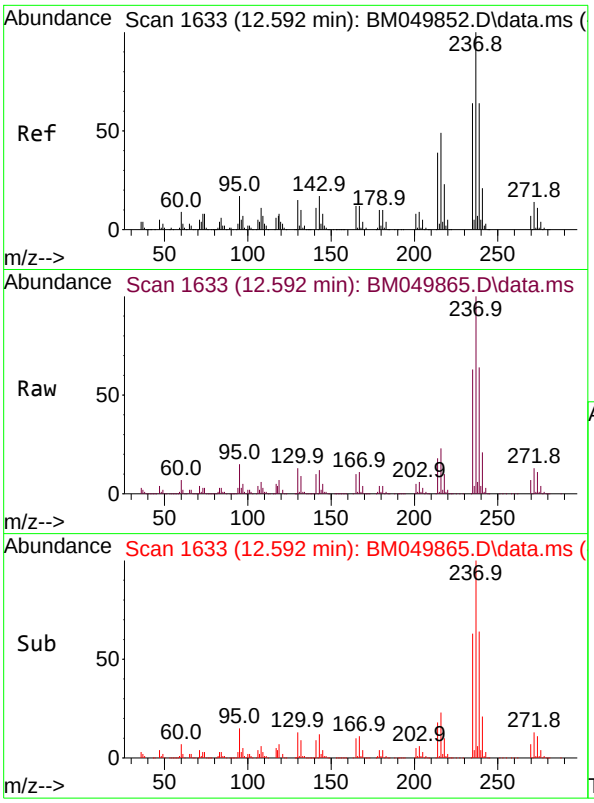


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.728 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:216 Resp: 1105688

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.2	94.8
179	19.1	15.8	23.6
108	16.4	11.5	17.3



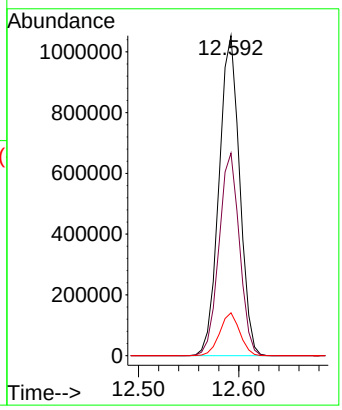


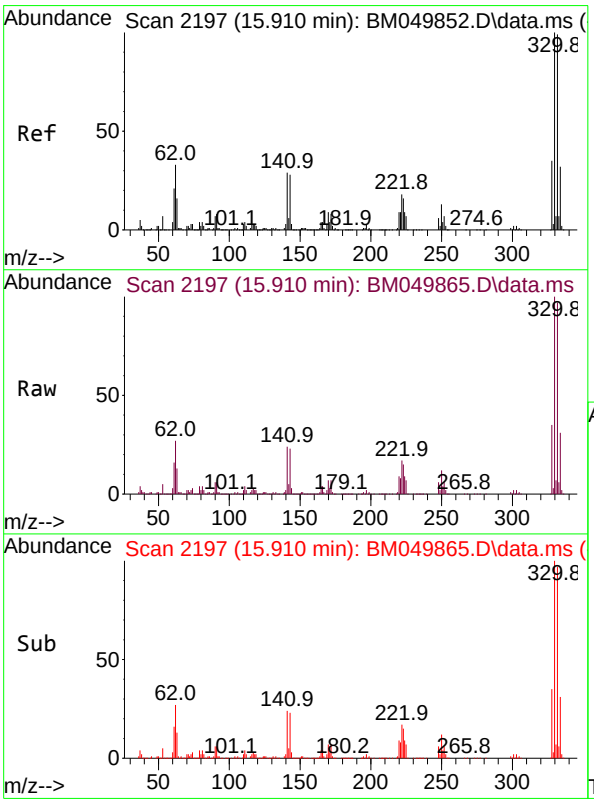
#41
Hexachlorocyclopentadiene
Concen: 176.840 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:237 Resp: 1498293

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.7	83.7
272	13.4	0.0	33.5

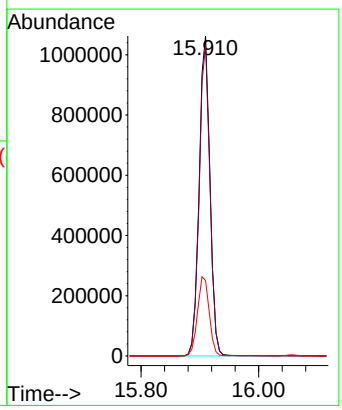


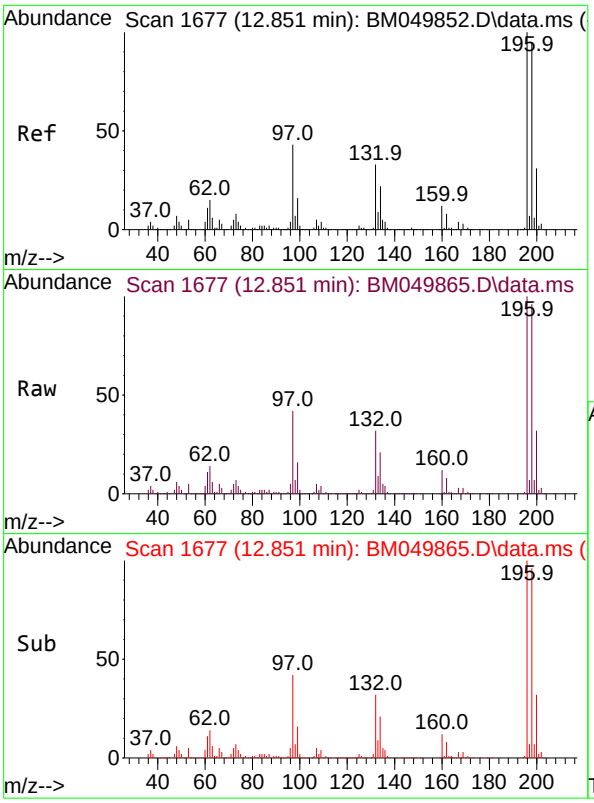


#42
2,4,6-Tribromophenol
Concen: 134.729 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:330 Resp: 1354417

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.0	117.0
141	26.8	23.5	35.3



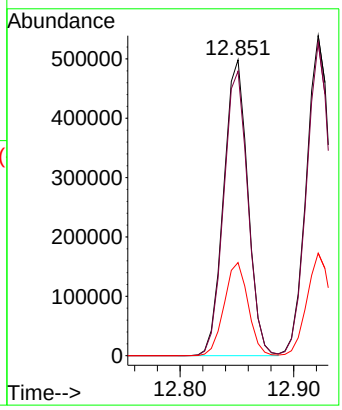


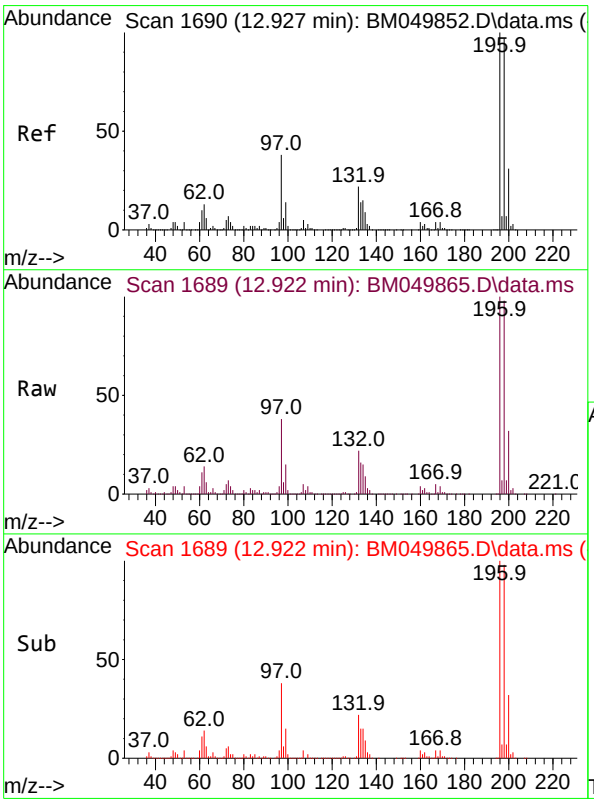
#43
2,4,6-Trichlorophenol
Concen: 47.931 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:196 Resp: 737476

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.1	114.1
200	31.5	24.7	37.1

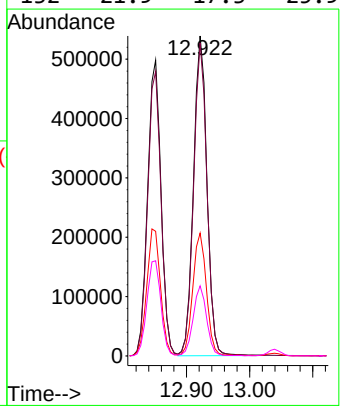


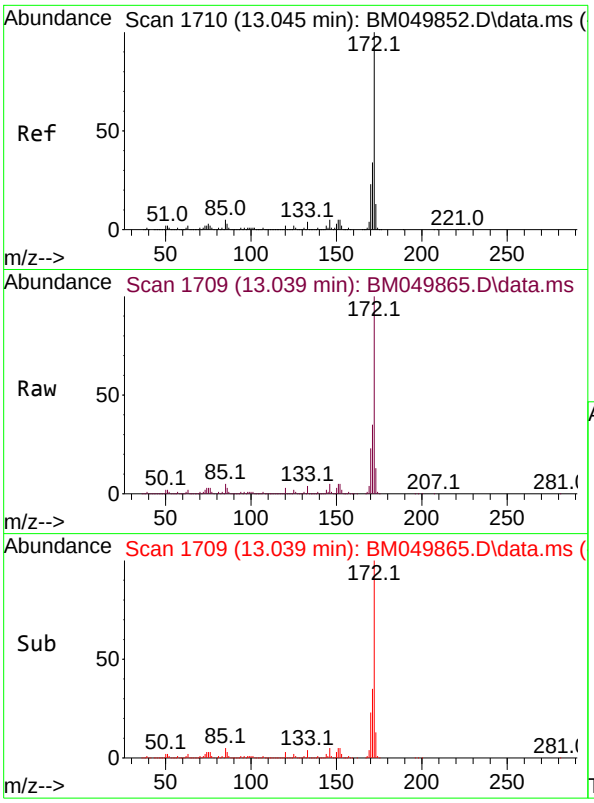


#44
2,4,5-Trichlorophenol
Concen: 47.812 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:196 Resp: 799432

Ion	Ratio	Lower	Upper
196	100		
198	97.8	77.7	116.5
97	38.4	30.3	45.5
132	21.9	17.3	25.9



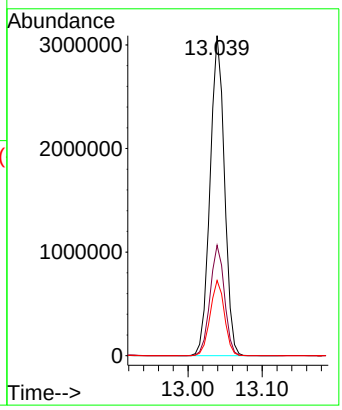


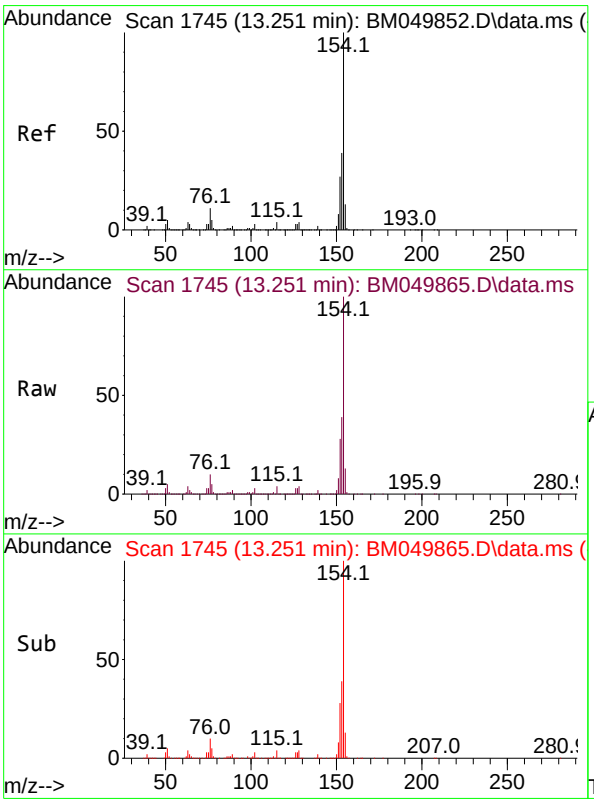
#45
2-Fluorobiphenyl
Concen: 81.663 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:172 Resp: 4162286

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	23.5	18.6	28.0

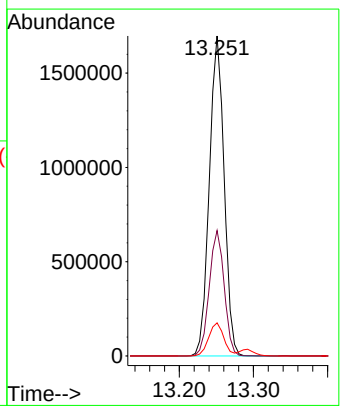


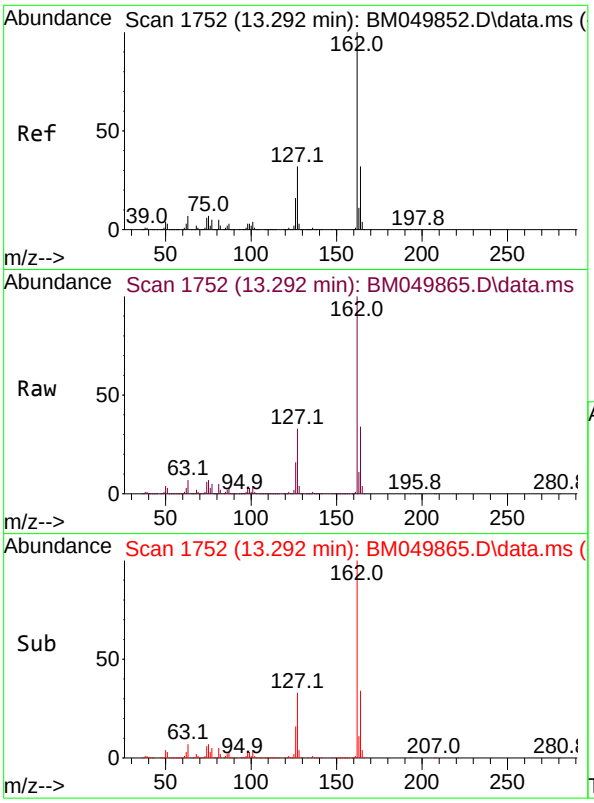


#46
1,1'-Biphenyl
Concen: 45.815 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:154 Resp: 2353870

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.3	59.3
76	10.4	0.0	30.7



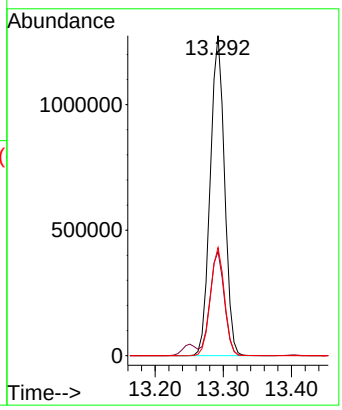


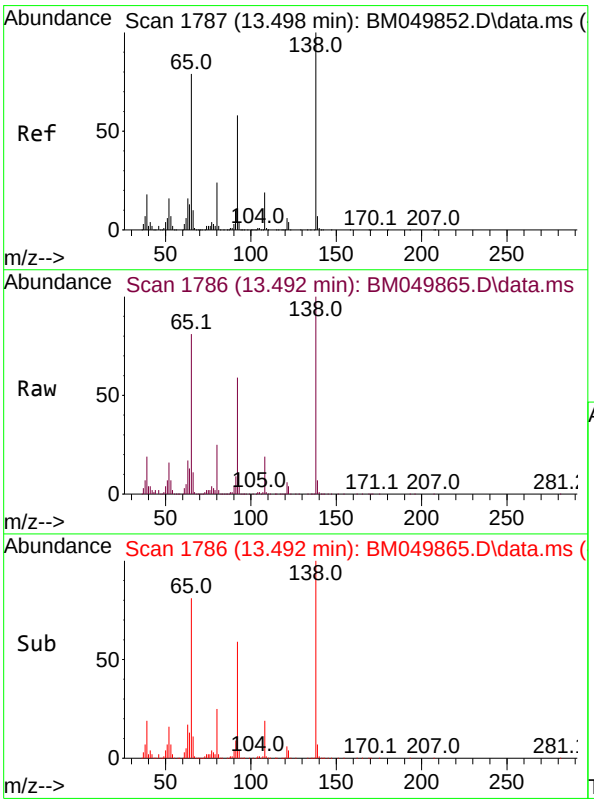
#47
2-Chloronaphthalene
Concen: 46.157 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:162 Resp: 1863914

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	33.8	25.9	38.9

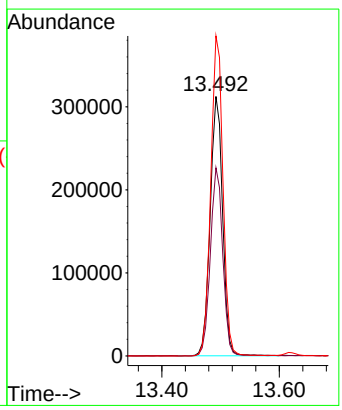


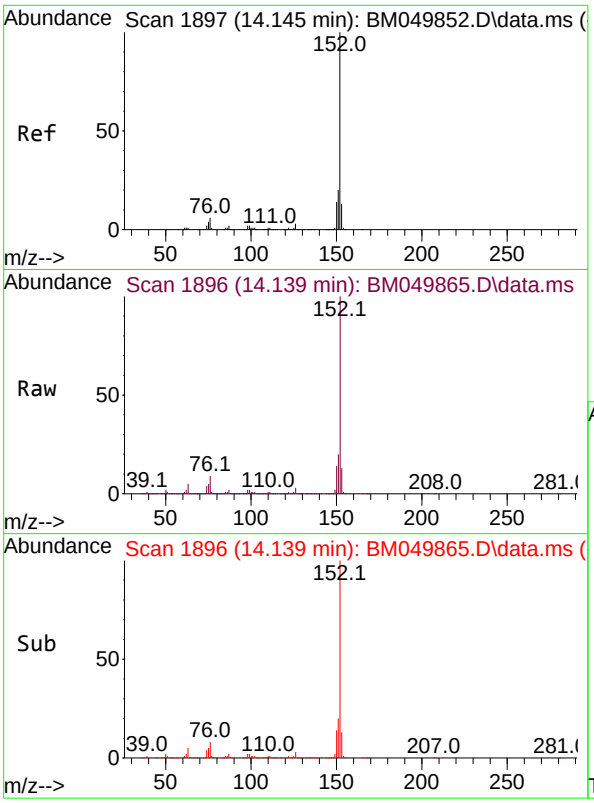


#48
2-Nitroaniline
Concen: 49.043 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion: 65 Resp: 458167

Ion	Ratio	Lower	Upper
65	100		
92	72.5	58.4	87.6
138	123.3	100.8	151.2



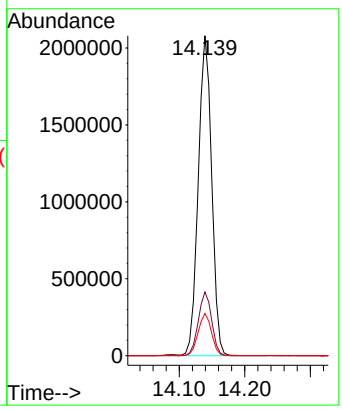


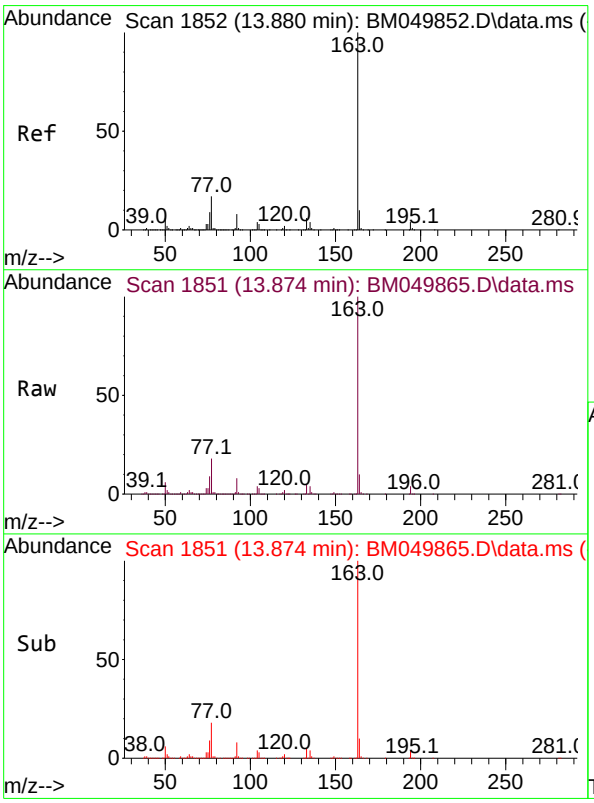
#49
Acenaphthylene
Concen: 50.326 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:152 Resp: 2960303

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.2	10.4	15.6

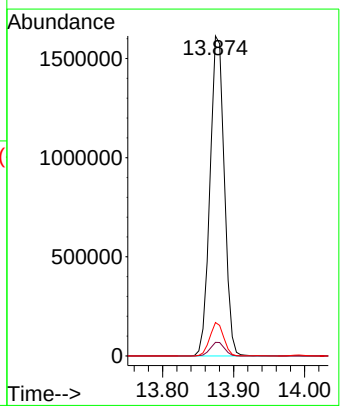


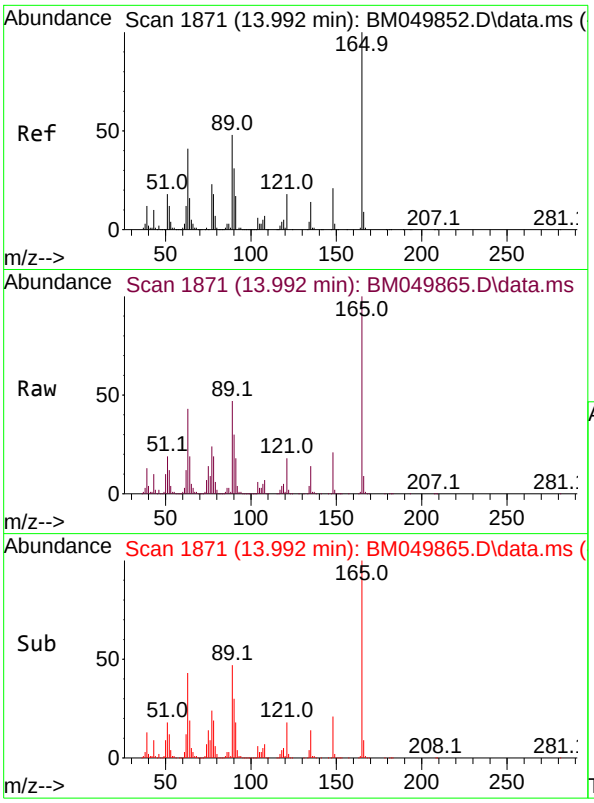


#50
Dimethylphthalate
Concen: 46.399 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:163 Resp: 2262384

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.4	7.9	11.9



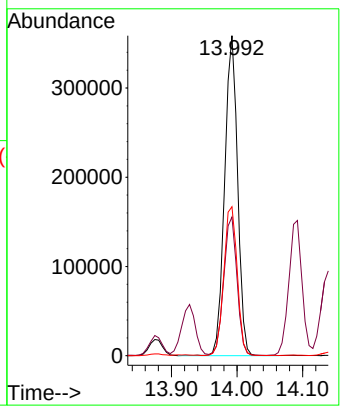


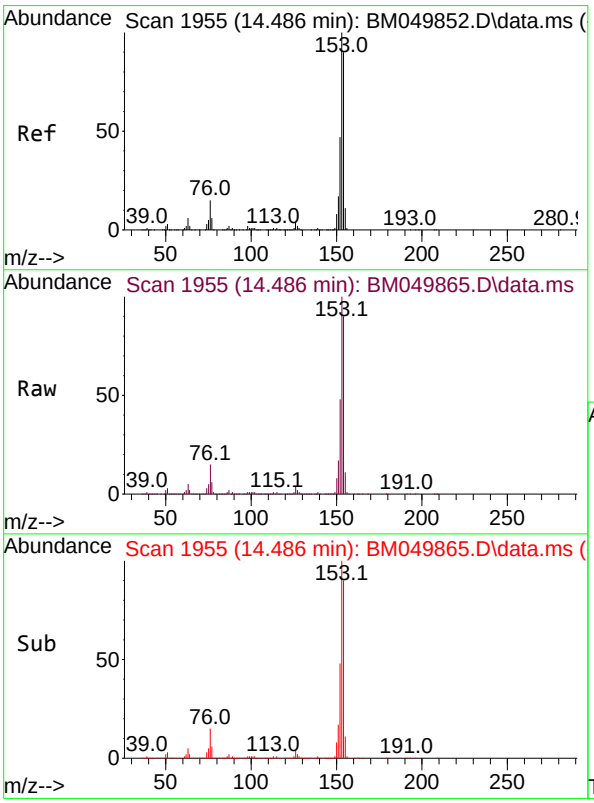
#51
2,6-Dinitrotoluene
Concen: 48.053 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:165 Resp: 490899

Ion	Ratio	Lower	Upper
165	100		
63	43.3	36.1	54.1
89	46.5	38.3	57.5

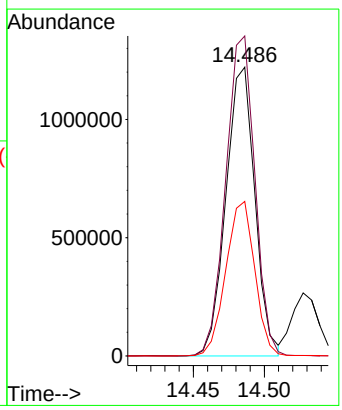


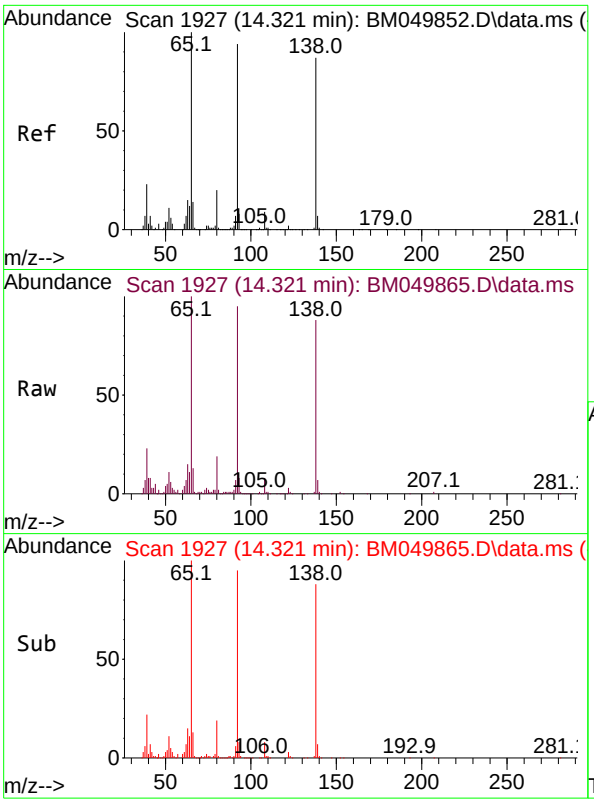


#52
Acenaphthene
Concen: 46.372 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:154 Resp: 1735053

Ion	Ratio	Lower	Upper
154	100		
153	110.8	89.3	133.9
152	53.5	42.2	63.2



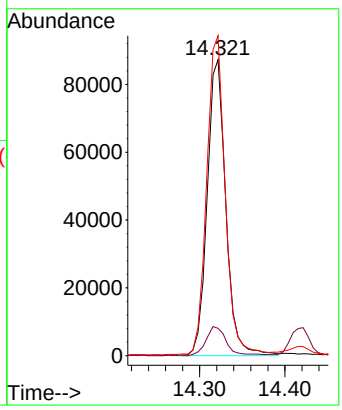


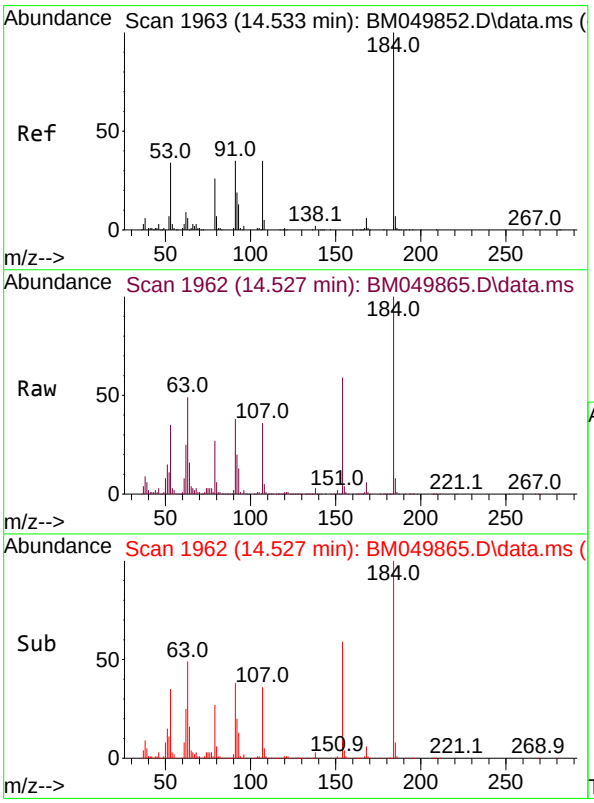
#53
3-Nitroaniline
Concen: 13.440 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:138 Resp: 132704

Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.1	12.1
92	108.1	86.5	129.7

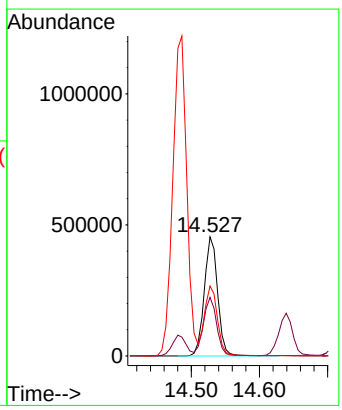


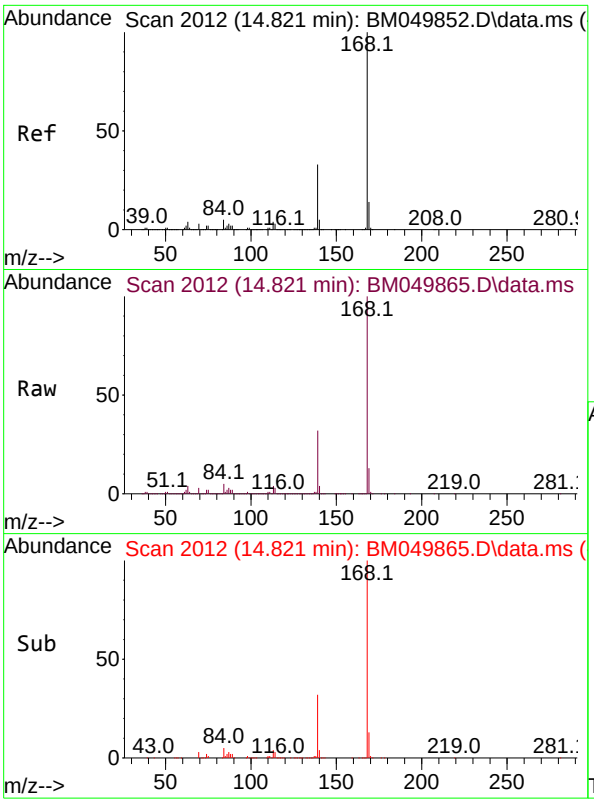


#54
2,4-Dinitrophenol
Concen: 83.632 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:184 Resp: 621378

Ion	Ratio	Lower	Upper
184	100		
63	49.1	38.4	57.6
154	58.7	48.1	72.1



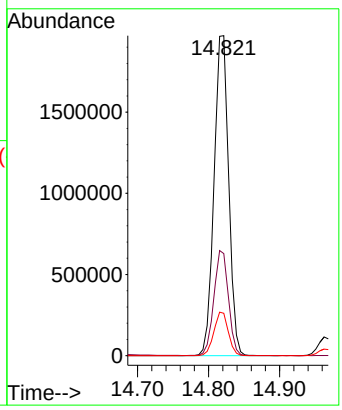


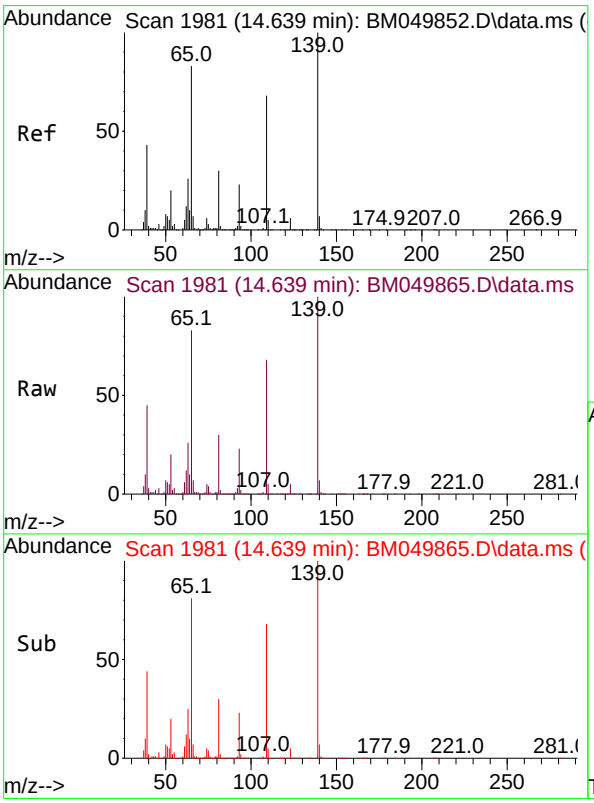
#55
Dibenzofuran
Concen: 44.878 ng
RT: 14.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:168 Resp: 2807021

Ion	Ratio	Lower	Upper
168	100		
139	31.9	26.6	39.8
169	13.3	11.0	16.4

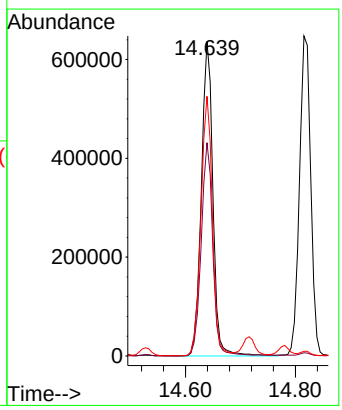


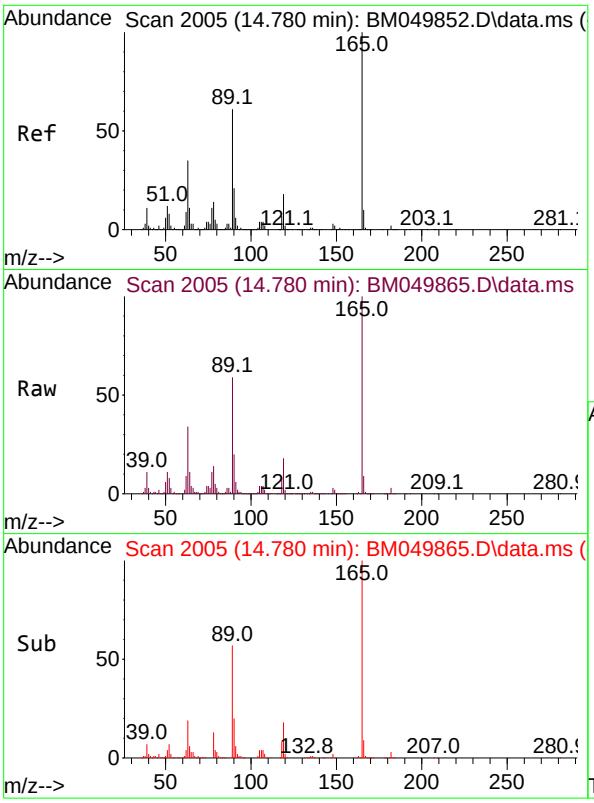


#56
4-Nitrophenol
Concen: 105.790 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:139 Resp: 930802

Ion	Ratio	Lower	Upper
139	100		
109	67.8	47.9	87.9
65	82.6	62.7	102.7



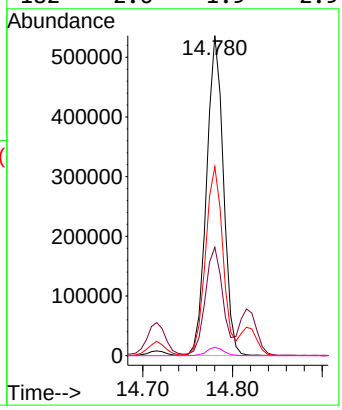


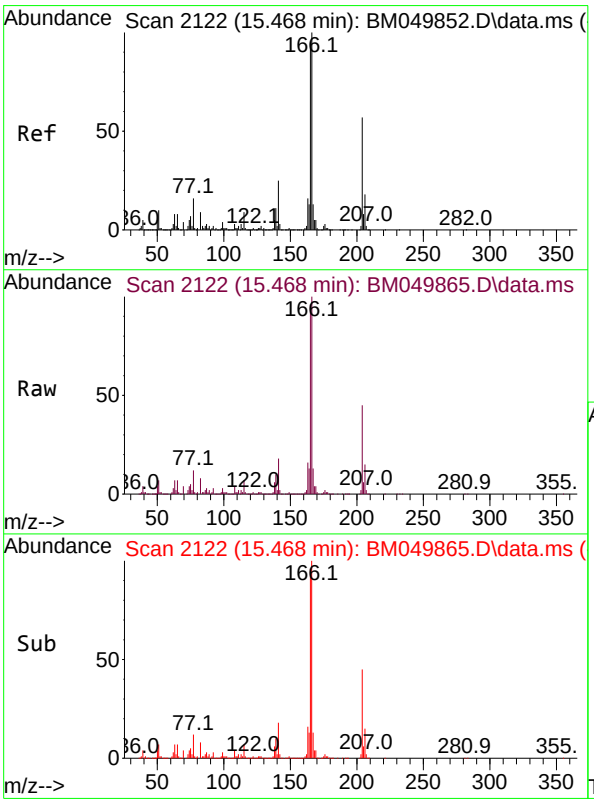
#57
2,4-Dinitrotoluene
Concen: 51.170 ng
RT: 14.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:165 Resp: 697374

Ion	Ratio	Lower	Upper
165	100		
63	33.9	28.6	42.8
89	59.1	49.0	73.6
182	2.6	1.9	2.9

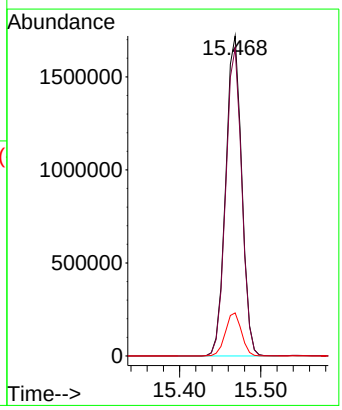


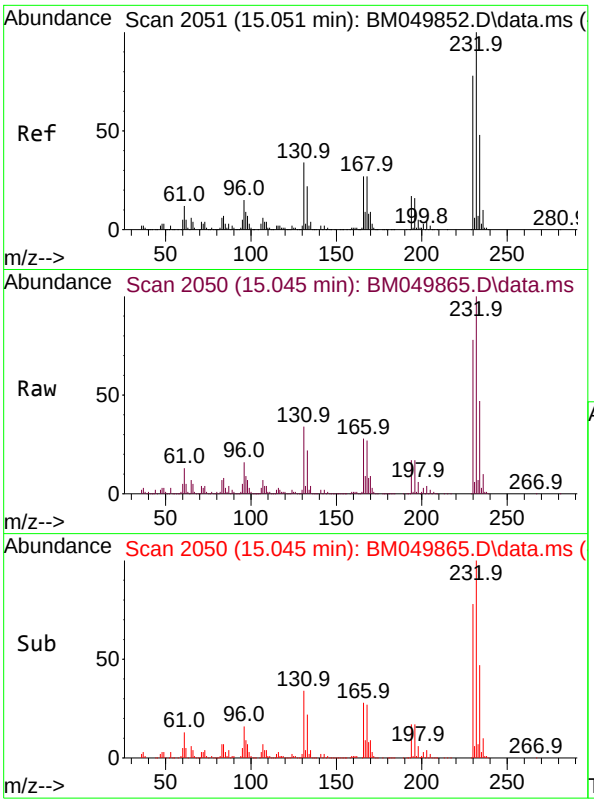


#58
Fluorene
Concen: 47.504 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:166 Resp: 2361809

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.3	114.5
167	13.5	10.7	16.1



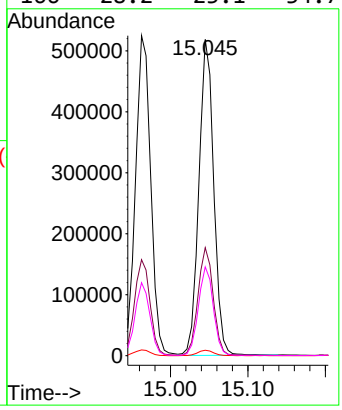


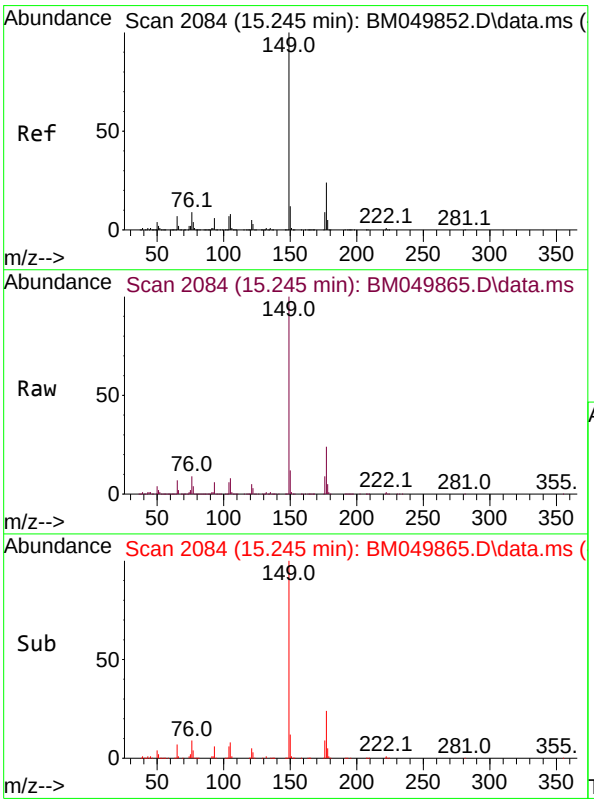
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.041 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:232 Resp: 689387

Ion	Ratio	Lower	Upper
232	100		
131	35.3	28.4	42.6
130	1.9	1.6	2.4
166	28.2	23.1	34.7

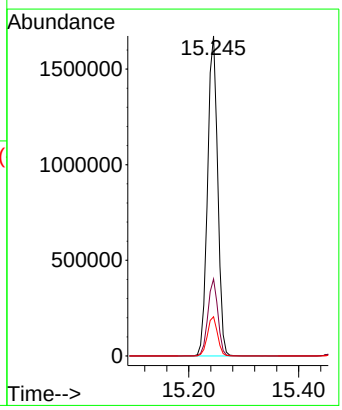


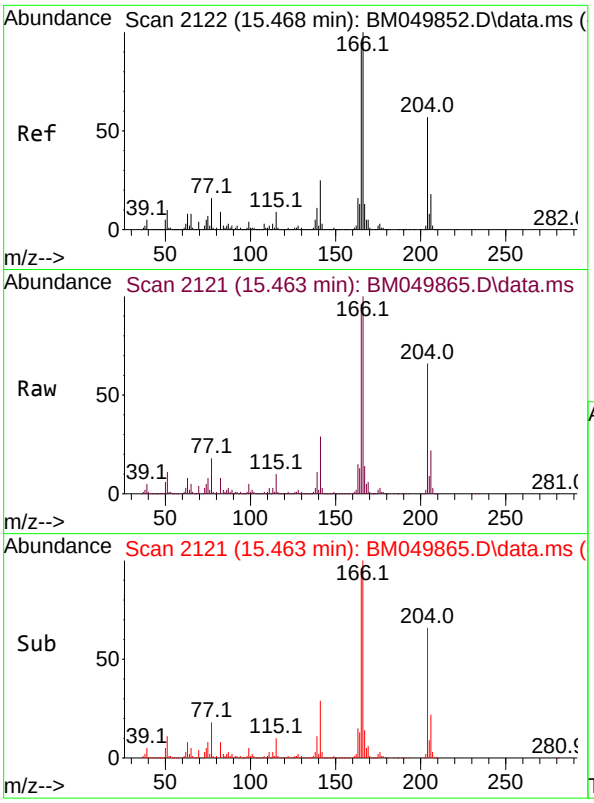


#60
Diethylphthalate
Concen: 45.556 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:149 Resp: 2130155

Ion	Ratio	Lower	Upper
149	100		
177	24.1	19.0	28.4
150	12.2	9.7	14.5



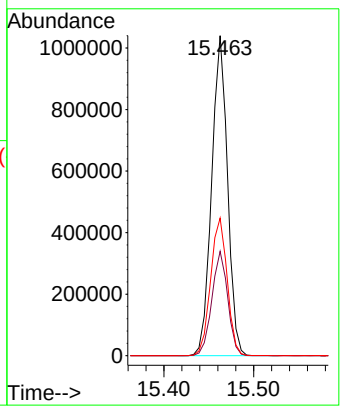


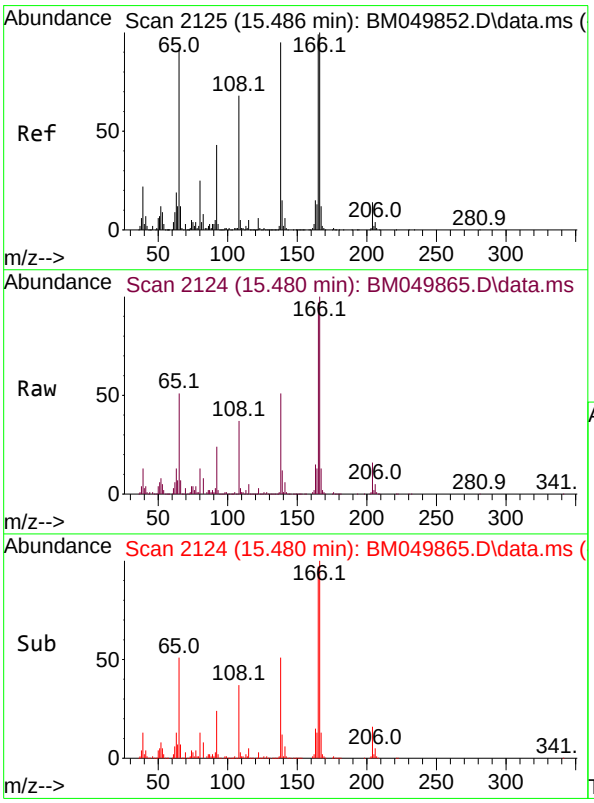
#61
4-Chlorophenyl-phenylether
Concen: 47.847 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:204 Resp: 1275390

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.2
141	43.0	35.0	52.6

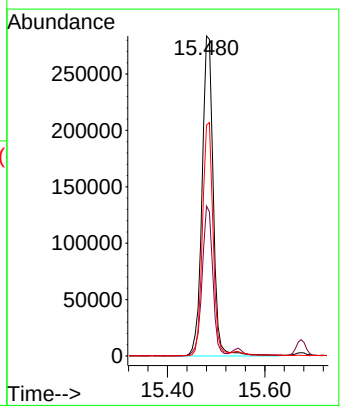


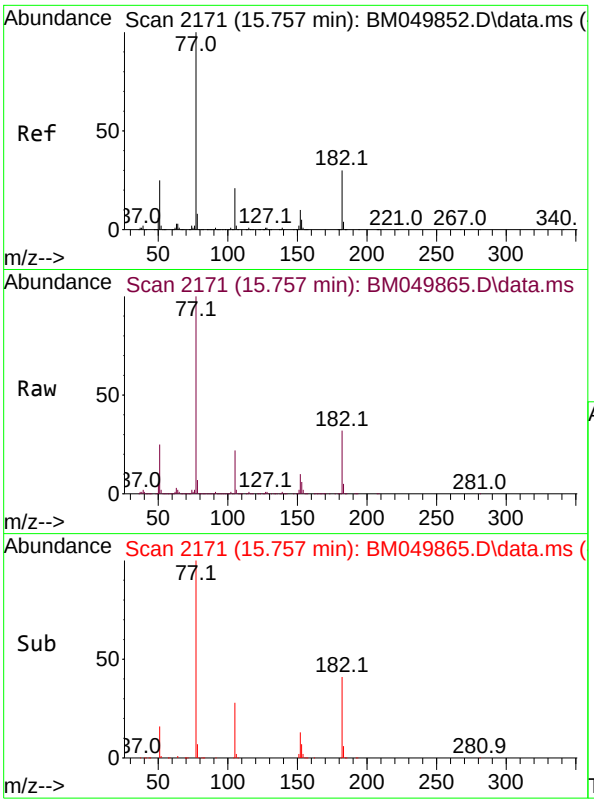


#62
4-Nitroaniline
Concen: 44.266 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:138 Resp: 451987

Ion	Ratio	Lower	Upper
138	100		
92	46.9	24.9	64.9
108	72.1	51.7	91.7



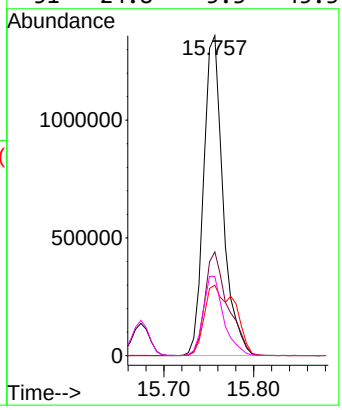


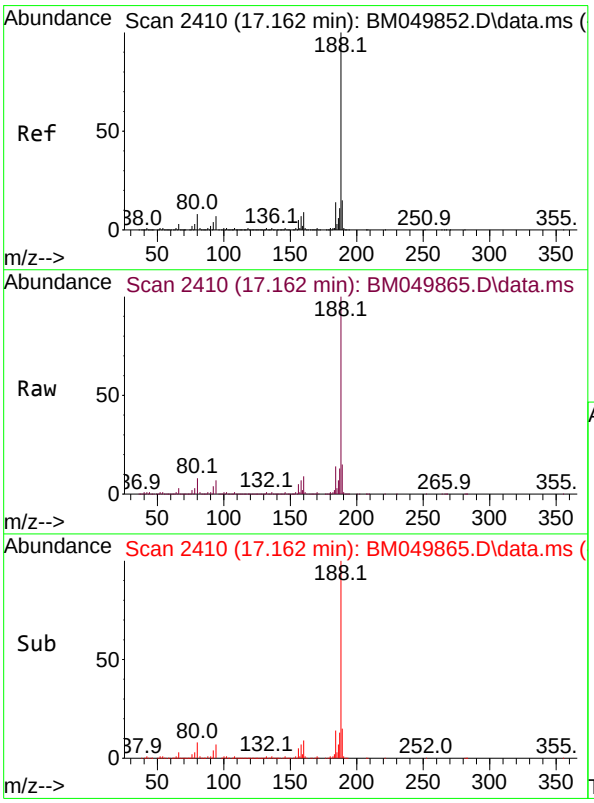
#63
Azobenzene
Concen: 51.031 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion: 77 Resp: 2042909

Ion	Ratio	Lower	Upper
77	100		
182	32.4	10.4	50.4
105	22.0	1.5	41.5
51	24.8	5.3	45.3

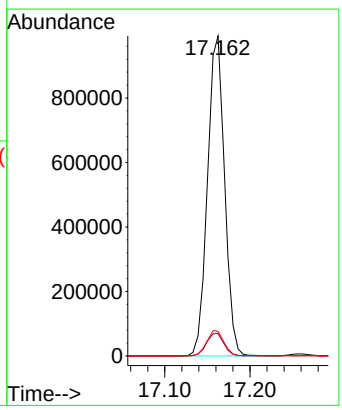


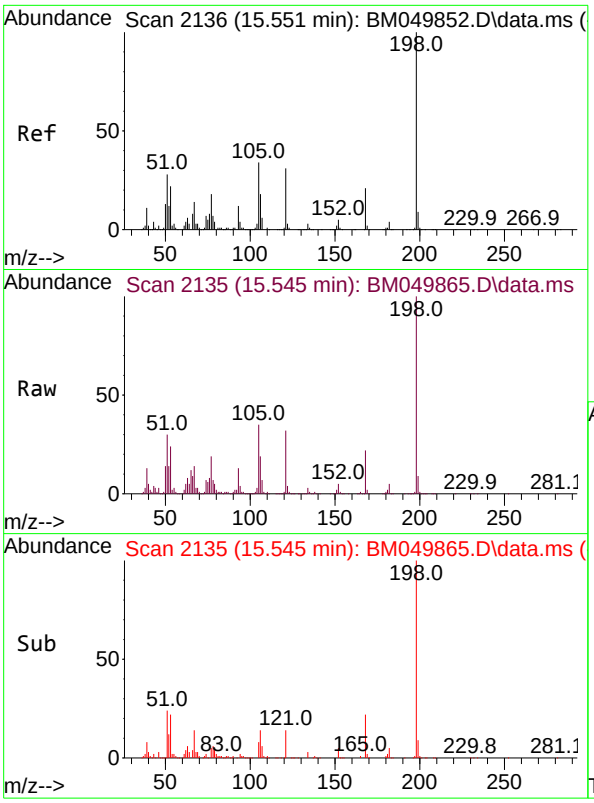


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:188 Resp: 1385053

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.7	6.4	9.6



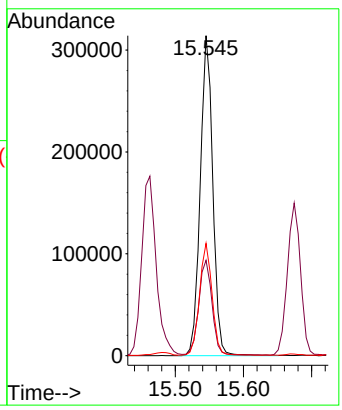


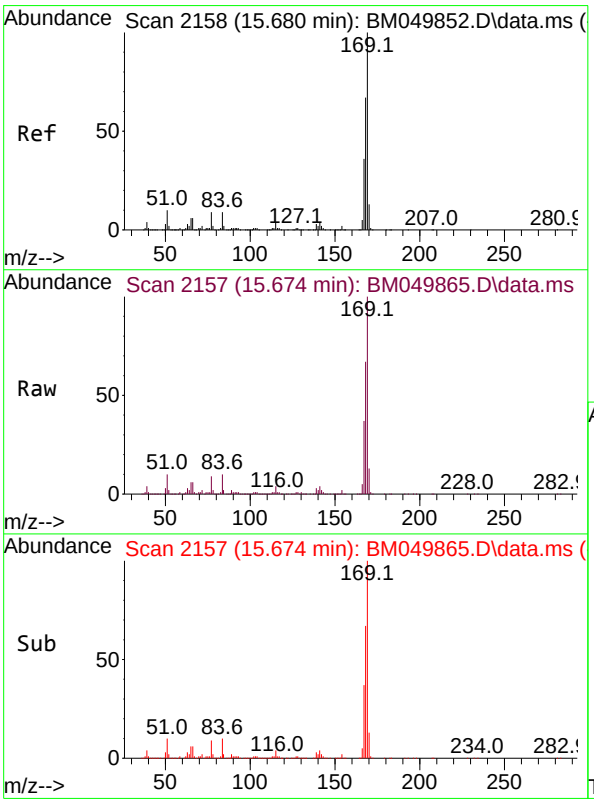
#65
4,6-Dinitro-2-methylphenol
Concen: 46.011 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:198 Resp: 401583

Ion	Ratio	Lower	Upper
198	100		
51	29.8	9.6	49.6
105	35.1	14.7	54.7

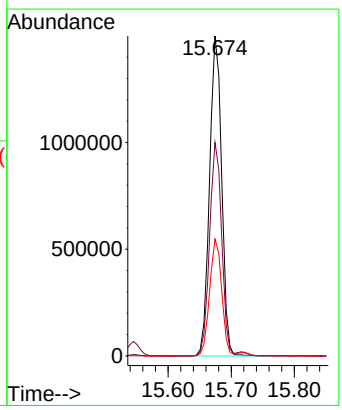


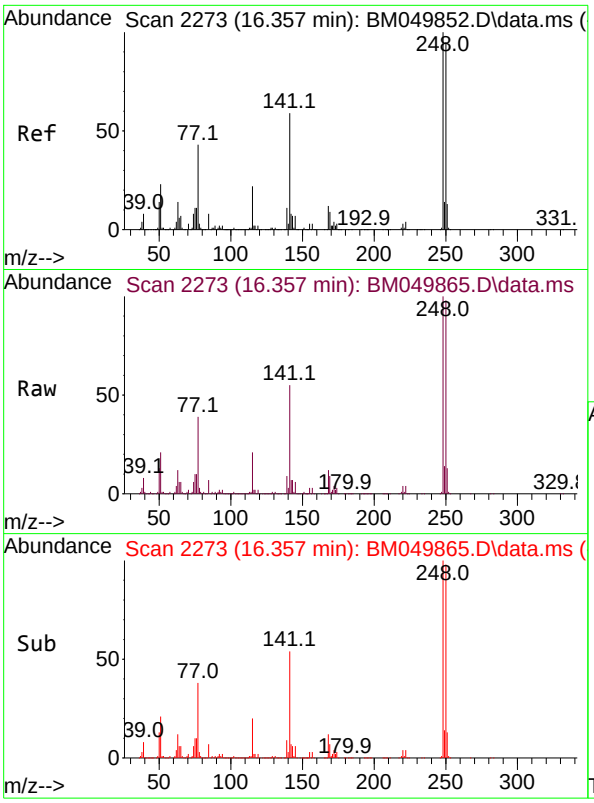


#66
n-Nitrosodiphenylamine
Concen: 48.064 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:169 Resp: 1992233

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.4	80.2
167	36.5	29.0	43.6



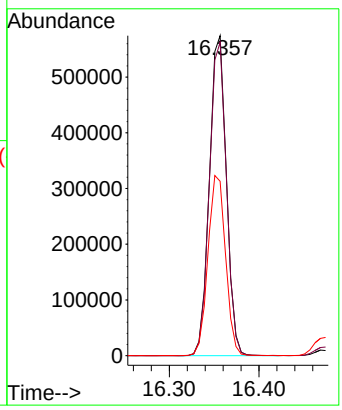


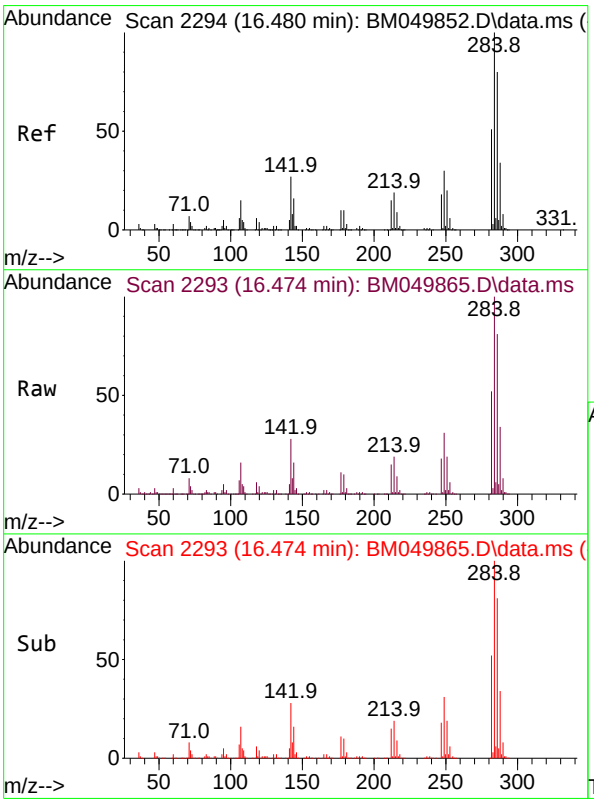
#67
4-Bromophenyl-phenylether
Concen: 46.973 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:248 Resp: 755272

Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.2	114.2
141	54.5	47.3	70.9

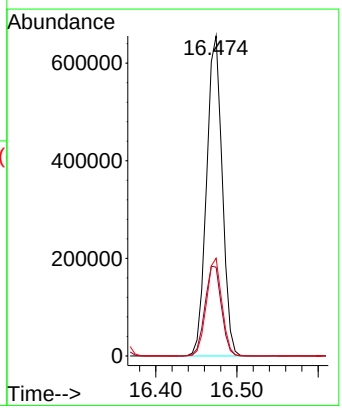


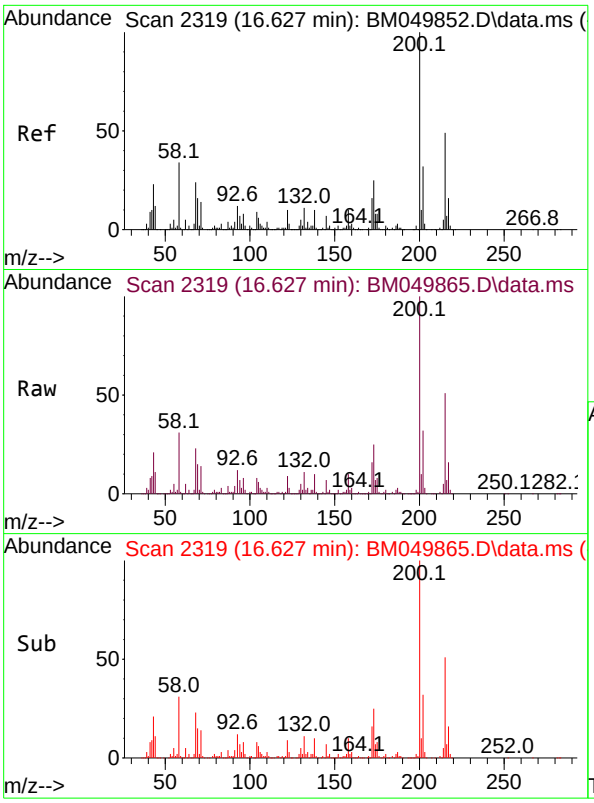


#68
Hexachlorobenzene
Concen: 47.416 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:284 Resp: 874487

Ion	Ratio	Lower	Upper
284	100		
142	27.8	21.2	31.8
249	30.6	24.1	36.1



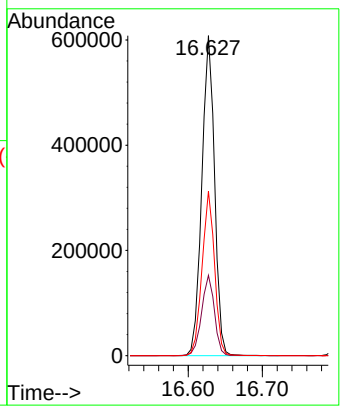


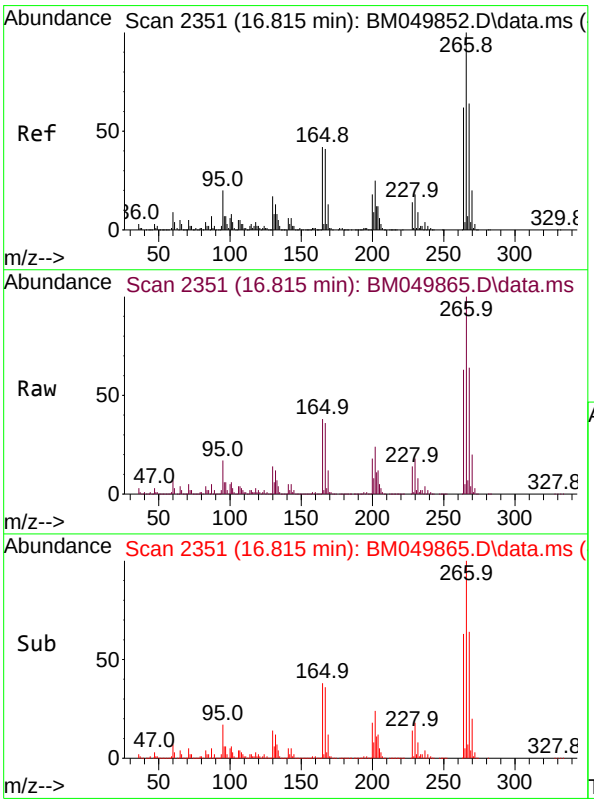
#69
Atrazine
Concen: 67.619 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:200 Resp: 726702

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.4	45.4
215	51.4	29.0	69.0

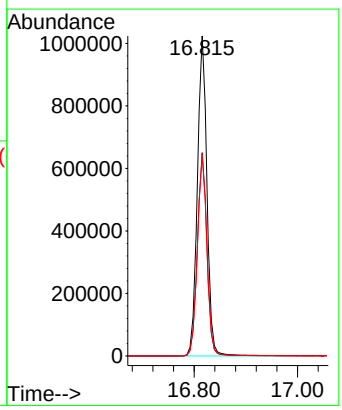


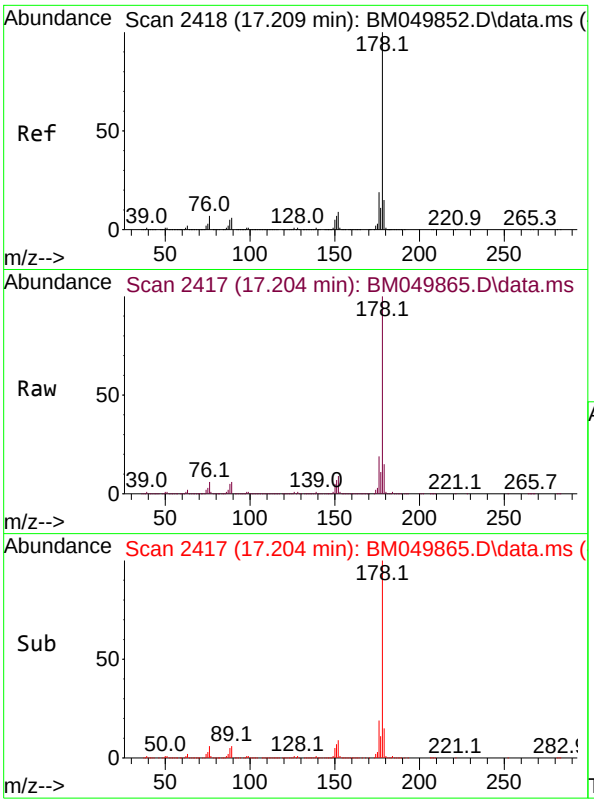


#70
Pentachlorophenol
Concen: 96.951 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:266 Resp: 1316399

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.4	77.2
264	62.9	49.8	74.8



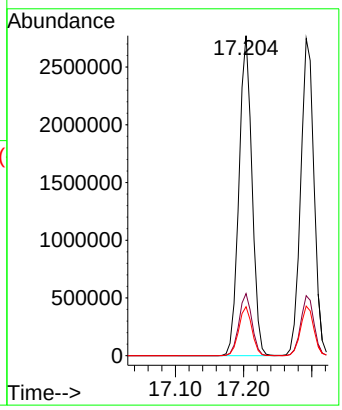


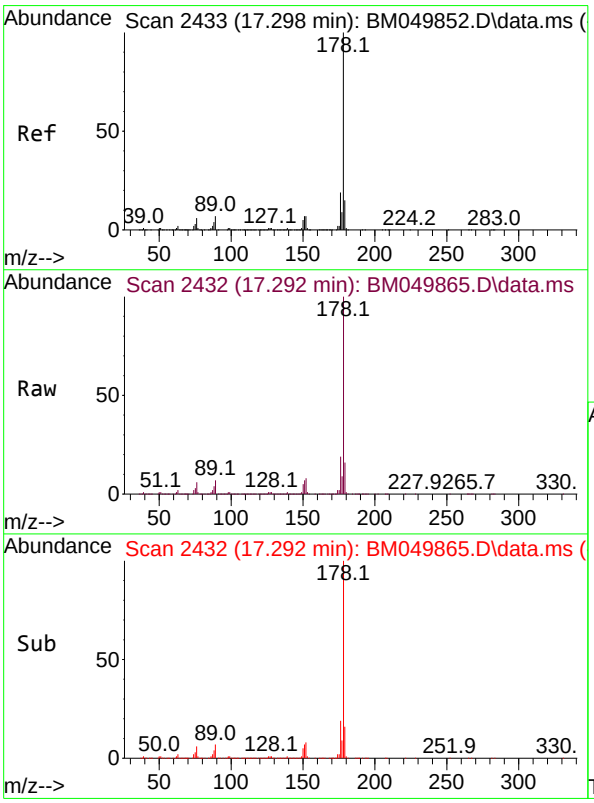
#71
Phenanthrene
Concen: 48.263 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:178 Resp: 3664770

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.3	12.3	18.5

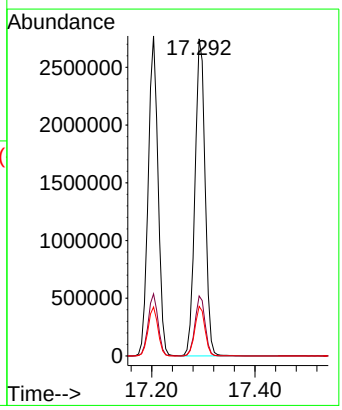


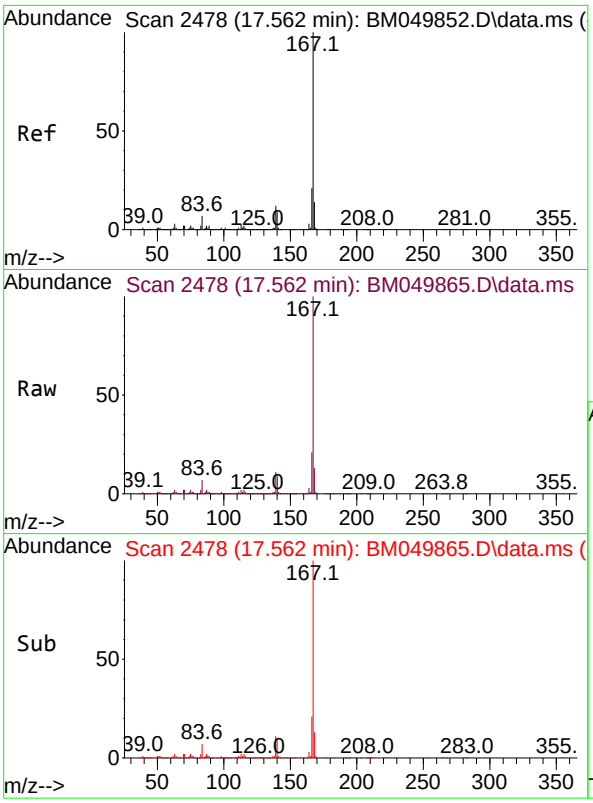


#72
Anthracene
Concen: 49.950 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:178 Resp: 3737841

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.7	12.4	18.6



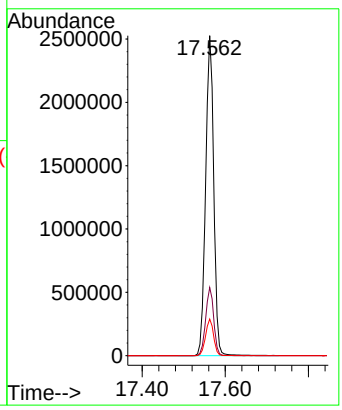


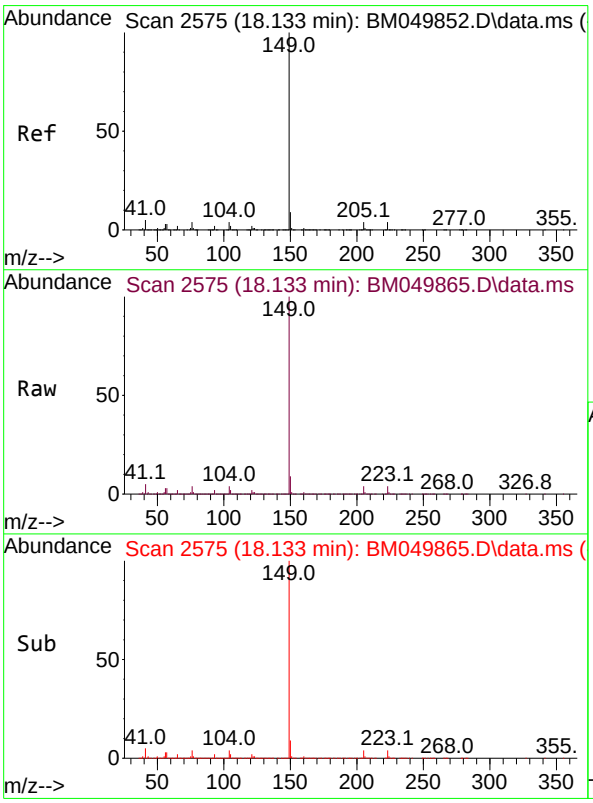
#73
Carbazole
Concen: 48.588 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:167 Resp: 3424599

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.5	9.3	13.9

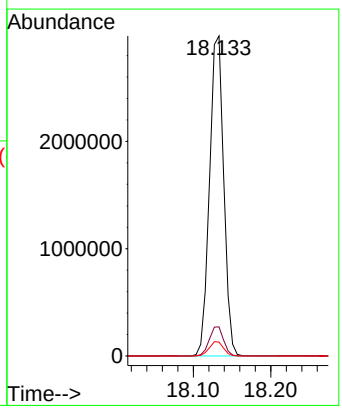


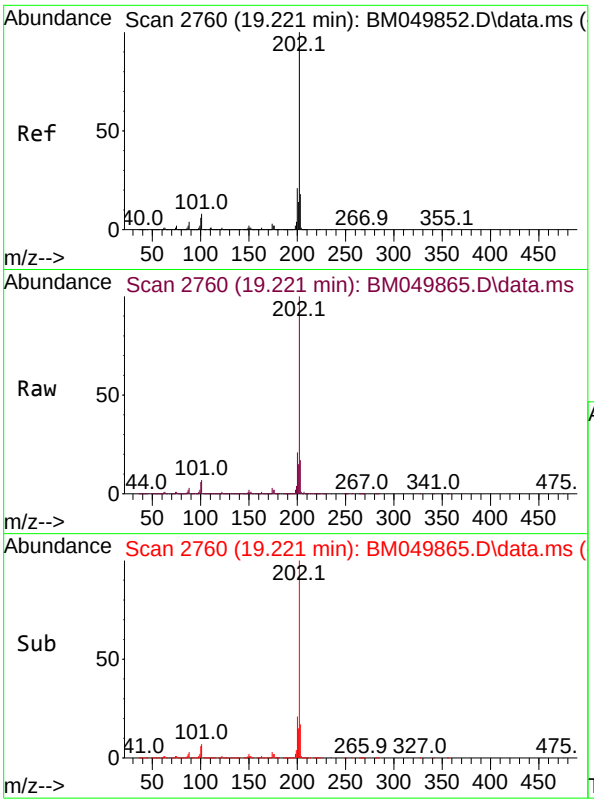


#74
Di-n-butylphthalate
Concen: 46.773 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:149 Resp: 3797075

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.4	3.5	5.3



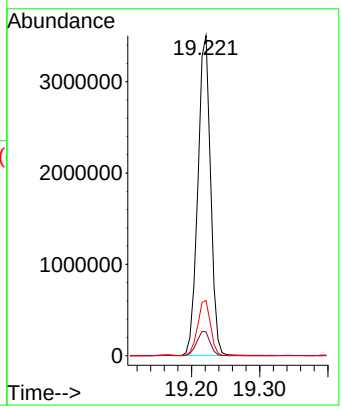


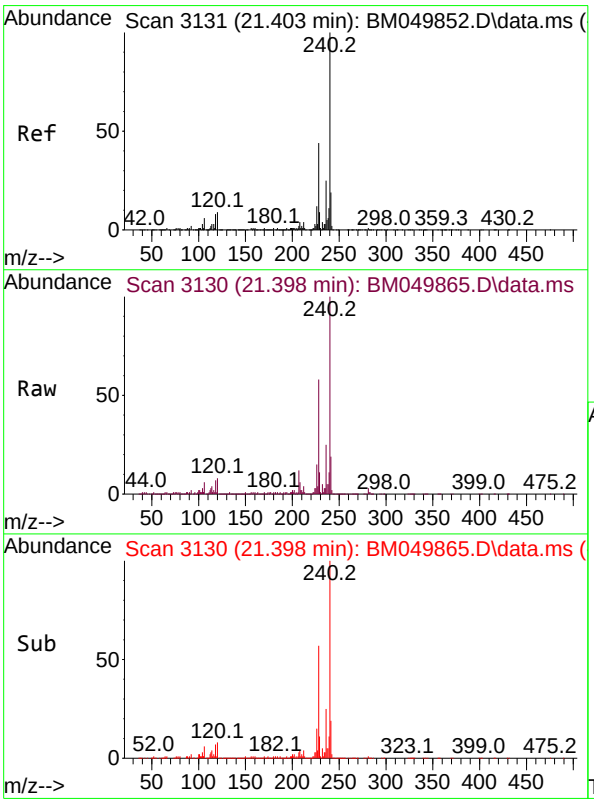
#75
Fluoranthene
Concen: 48.432 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:202 Resp: 4521849

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	17.2	0.0	37.8

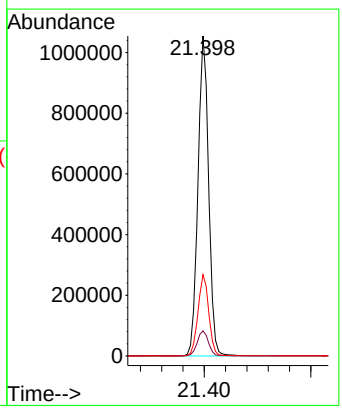


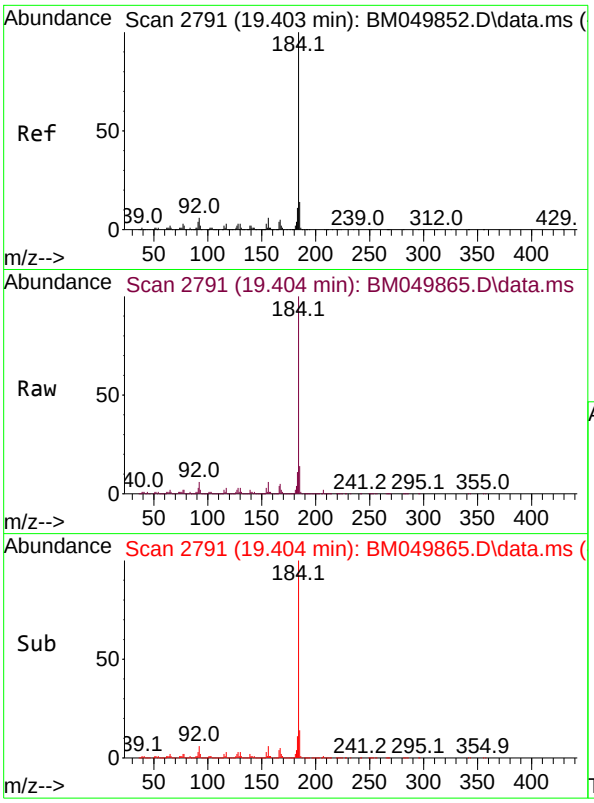


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:240 Resp: 1462184

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.9	10.3
236	25.4	20.4	30.6



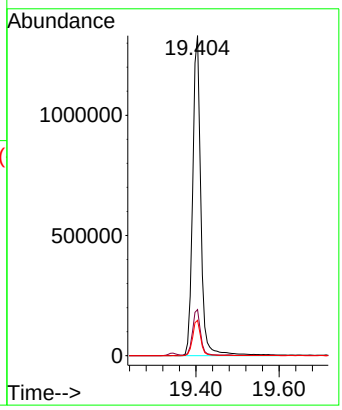


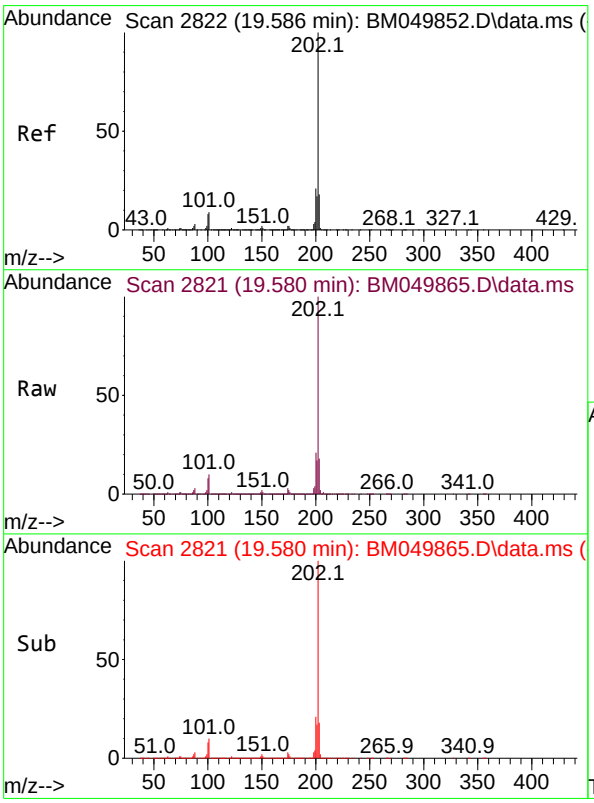
#77
Benzidine
Concen: 93.676 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:184 Resp: 1817127

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.0	8.8	13.2

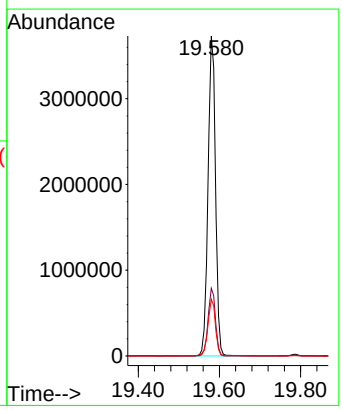


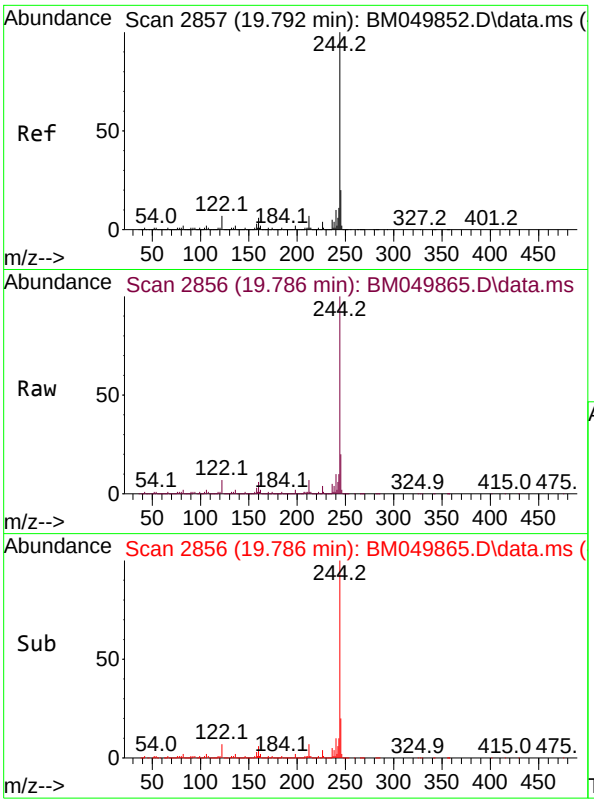


#78
Pyrene
Concen: 46.963 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:202 Resp: 4732548

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.5	24.7
203	17.7	14.0	21.0



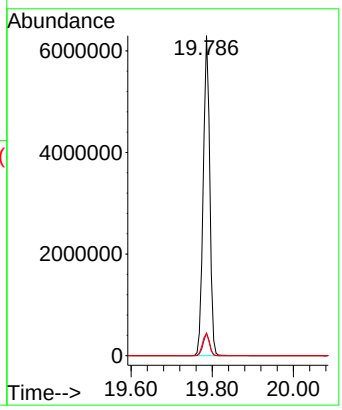


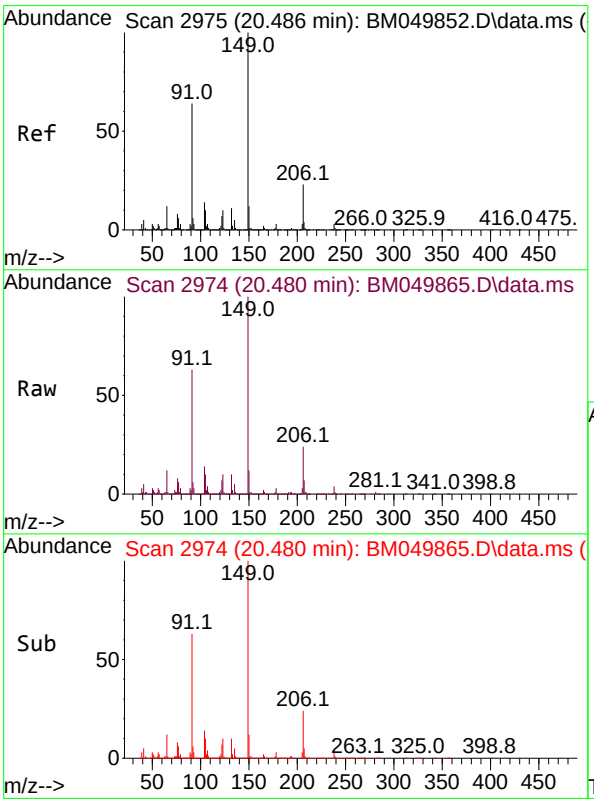
#79
Terphenyl-d14
Concen: 89.436 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:244 Resp: 6978001

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	7.0	5.4	8.0

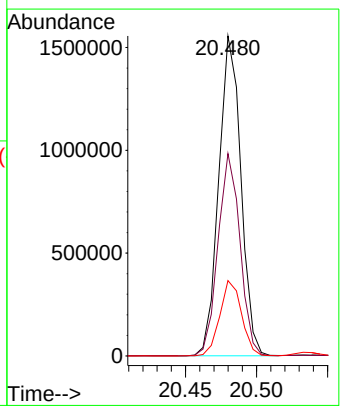


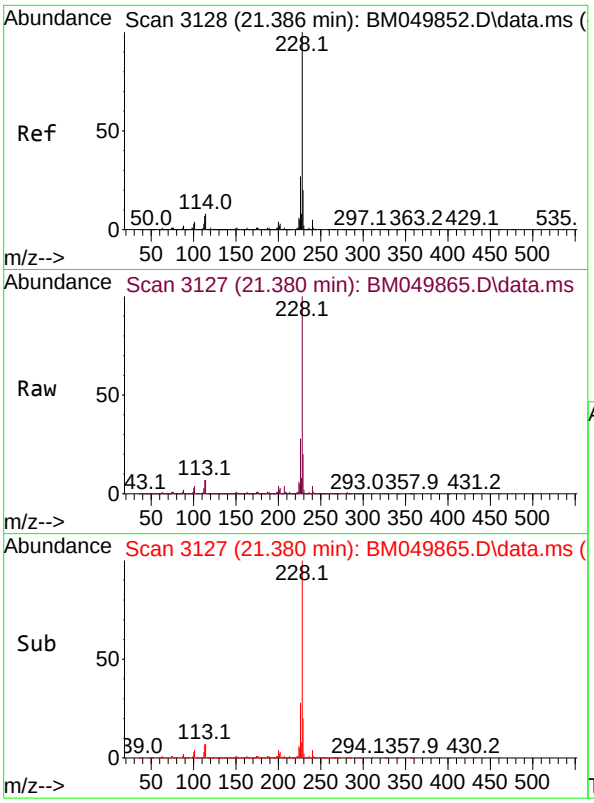


#80
Butylbenzylphthalate
Concen: 44.444 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:149 Resp: 1682886

Ion	Ratio	Lower	Upper
149	100		
91	63.3	50.9	76.3
206	23.5	18.4	27.6



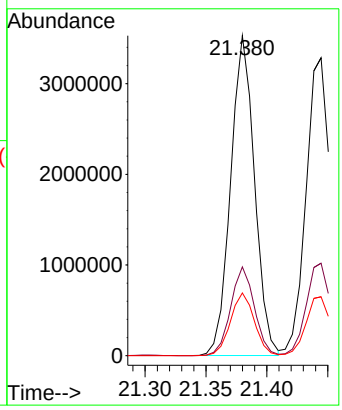


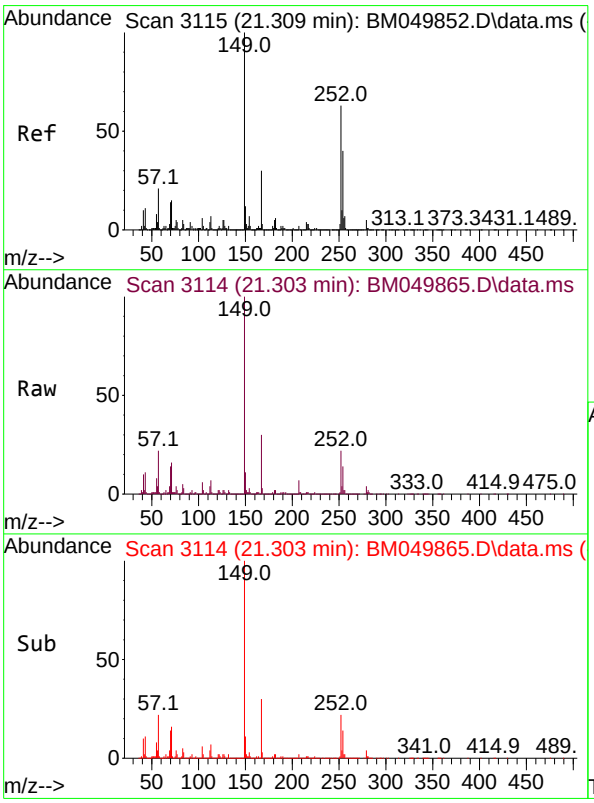
#81
Benzo(a)anthracene
Concen: 49.640 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:228 Resp: 4823789

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	19.6	15.8	23.8

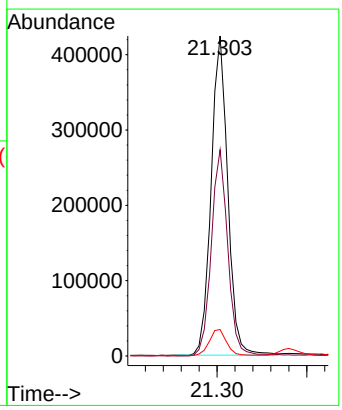


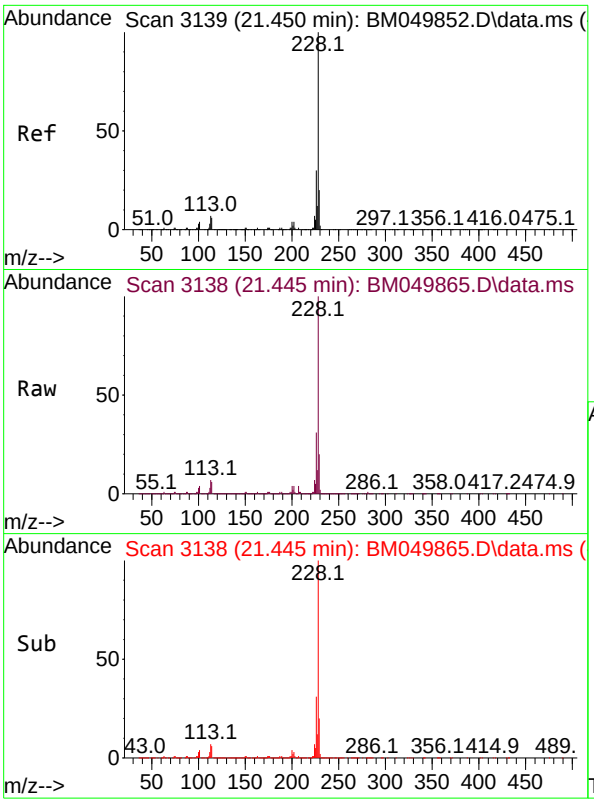


#82
3,3'-Dichlorobenzidine
Concen: 14.857 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:252 Resp: 545235

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	8.3	6.3	9.5



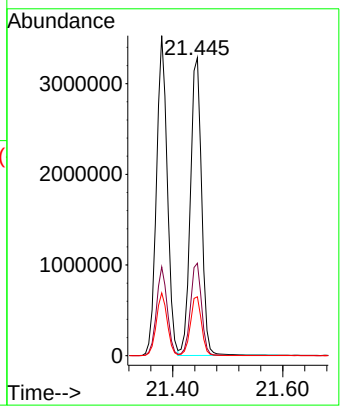


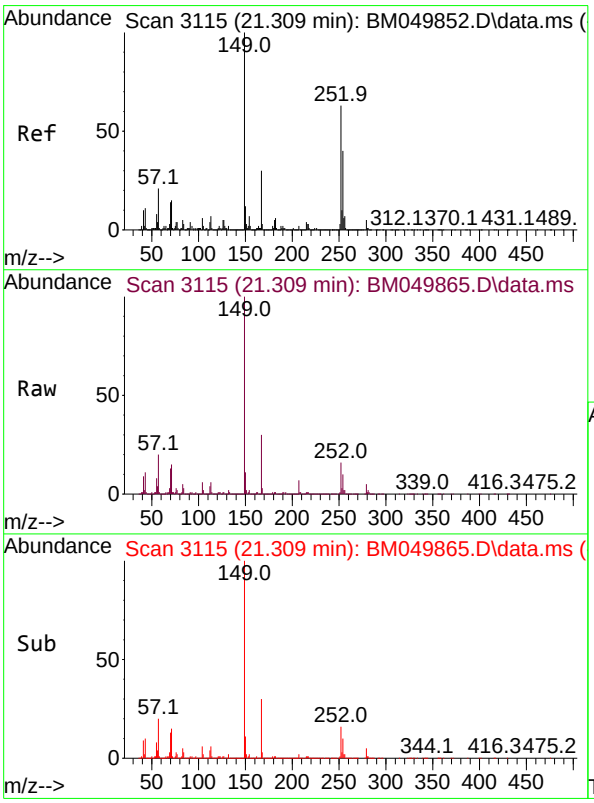
#83
Chrysene
Concen: 50.056 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:228 Resp: 4624441

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.1	36.1
229	19.8	15.8	23.6

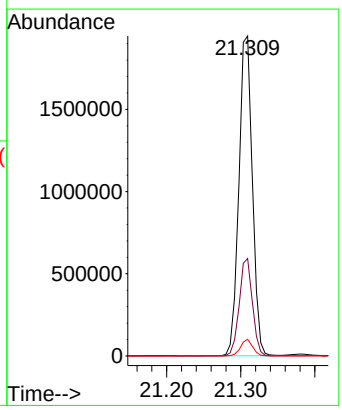


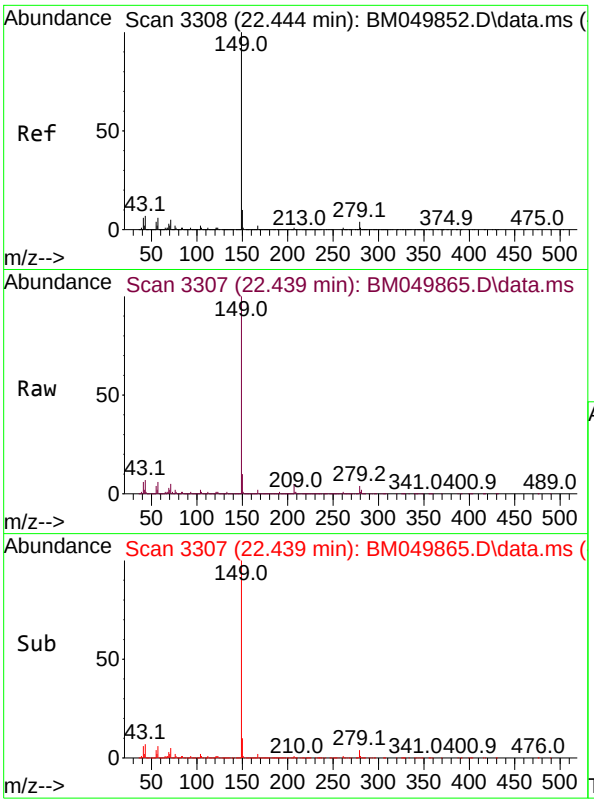


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.643 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:149 Resp: 2462859

Ion	Ratio	Lower	Upper
149	100		
167	30.4	23.8	35.6
279	5.2	3.8	5.8



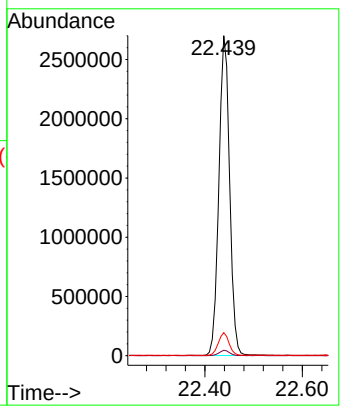


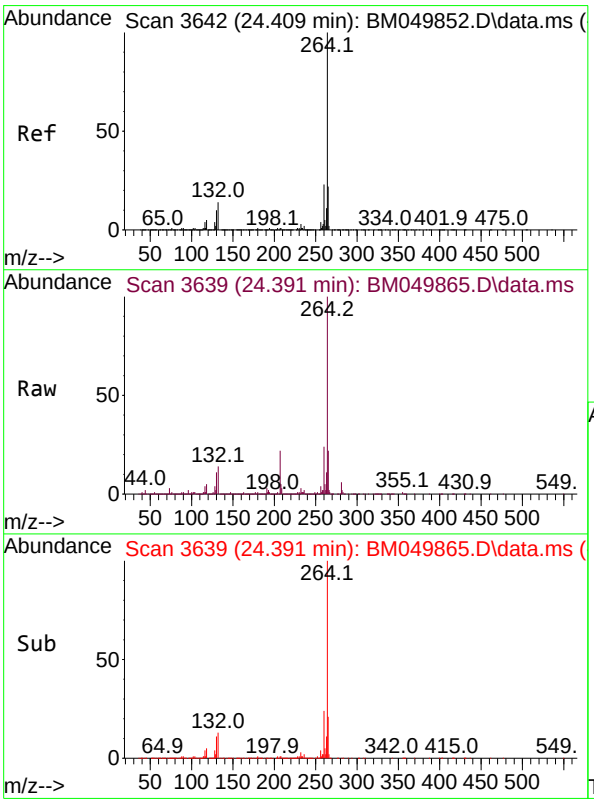
#85
Di-n-octyl phthalate
Concen: 42.944 ng
RT: 22.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:149 Resp: 4144598

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

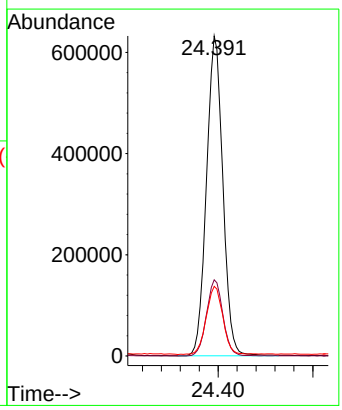


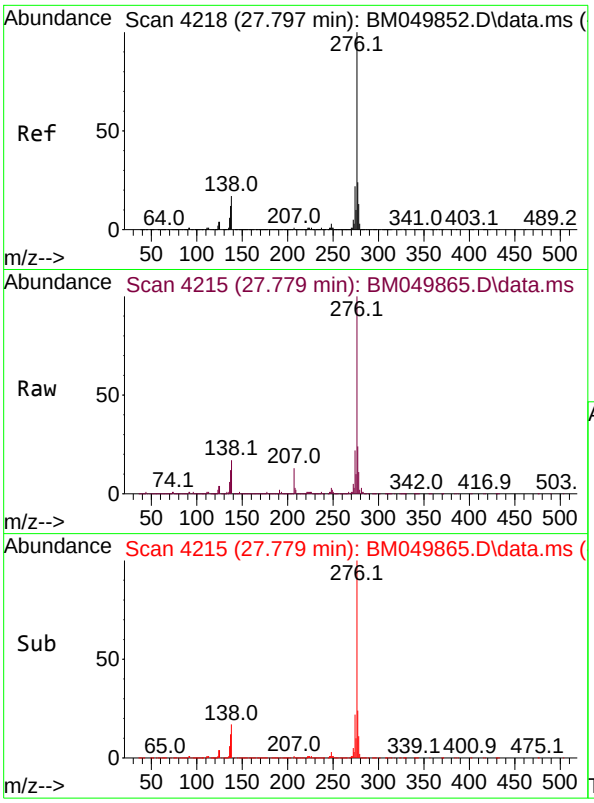


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:264 Resp: 1514539

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.8	17.8	26.8



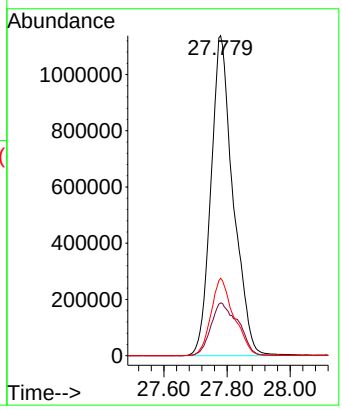


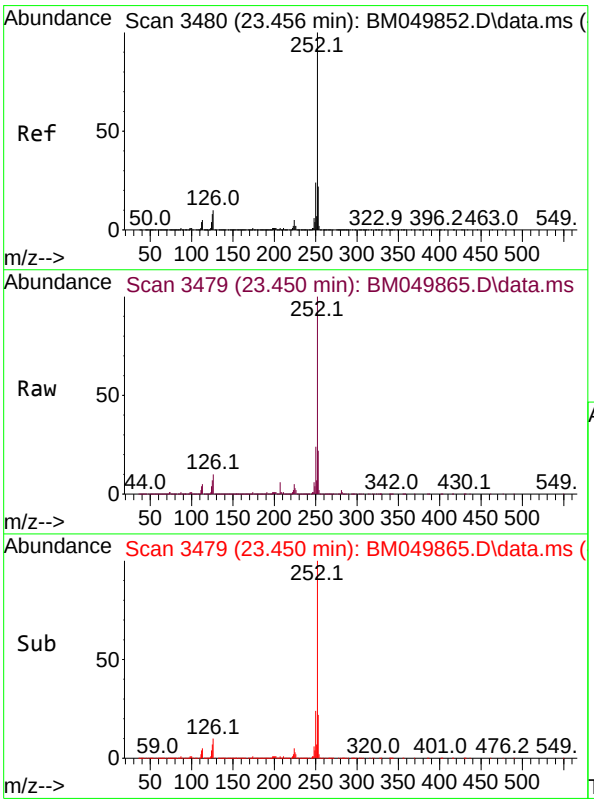
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.205 ng
RT: 27.779 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:276 Resp: 5555016

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.8	25.2
277	25.1	20.1	30.1

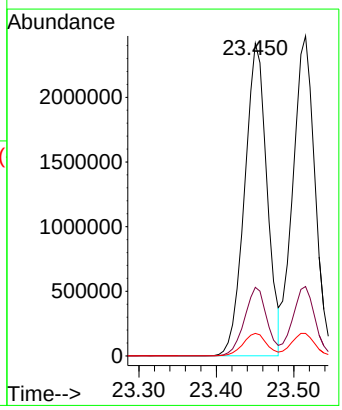


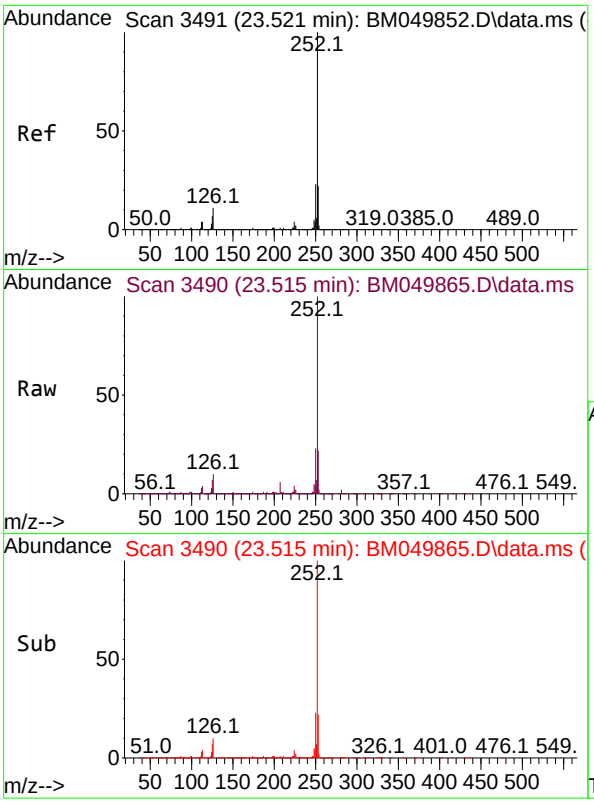


#88
Benzo(b)fluoranthene
Concen: 50.145 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:252 Resp: 4850380

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.2	6.2	9.4



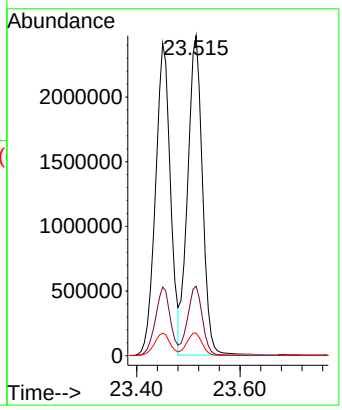


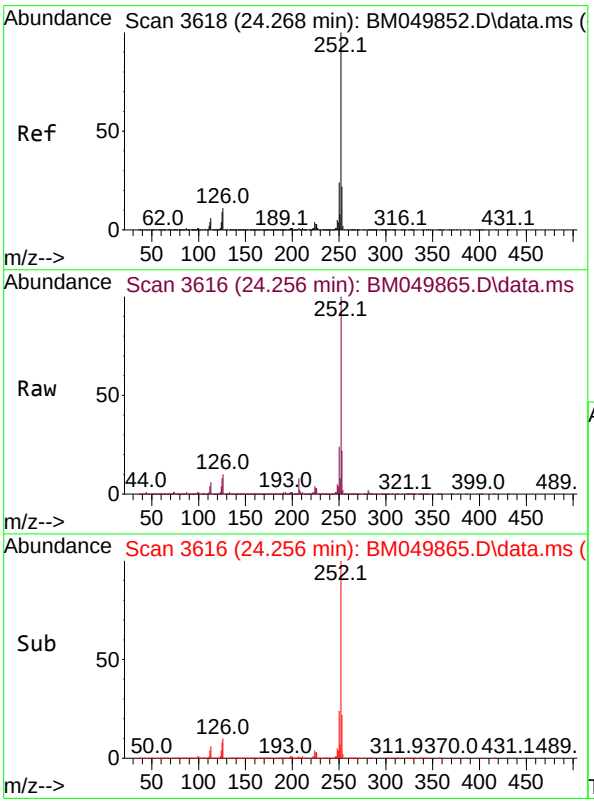
#89
Benzo(k)fluoranthene
Concen: 52.250 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:252 Resp: 4897679

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	7.0	5.8	8.8

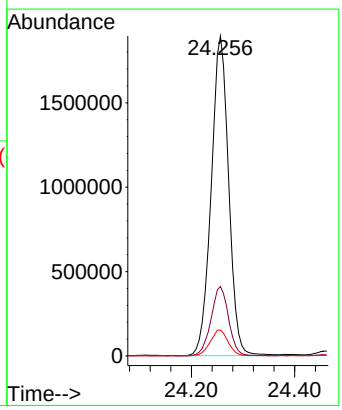


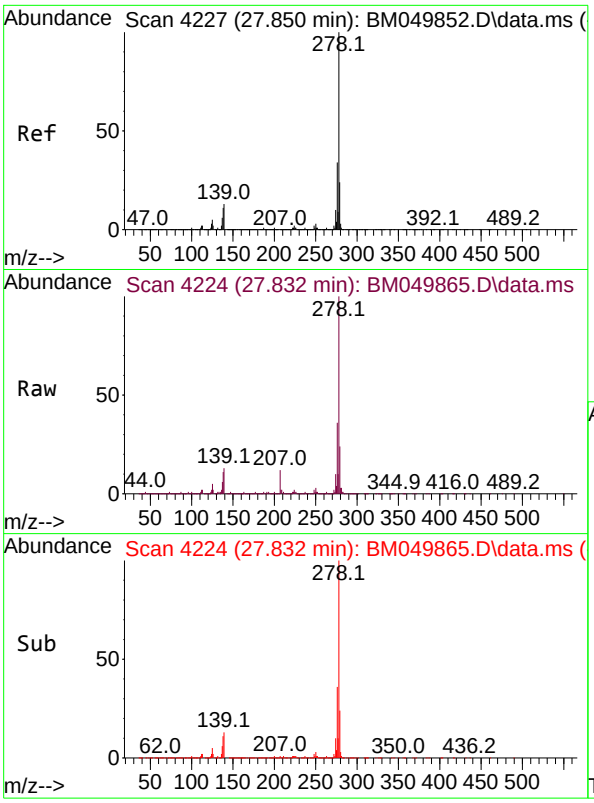


#90
Benzo(a)pyrene
Concen: 52.256 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:252 Resp: 4441609

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	8.1	7.0	10.4



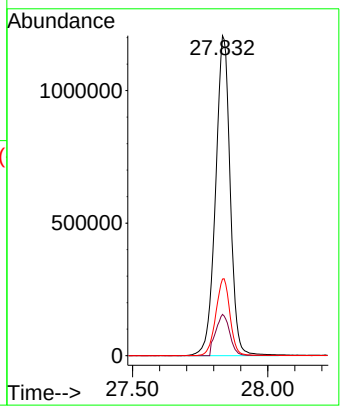


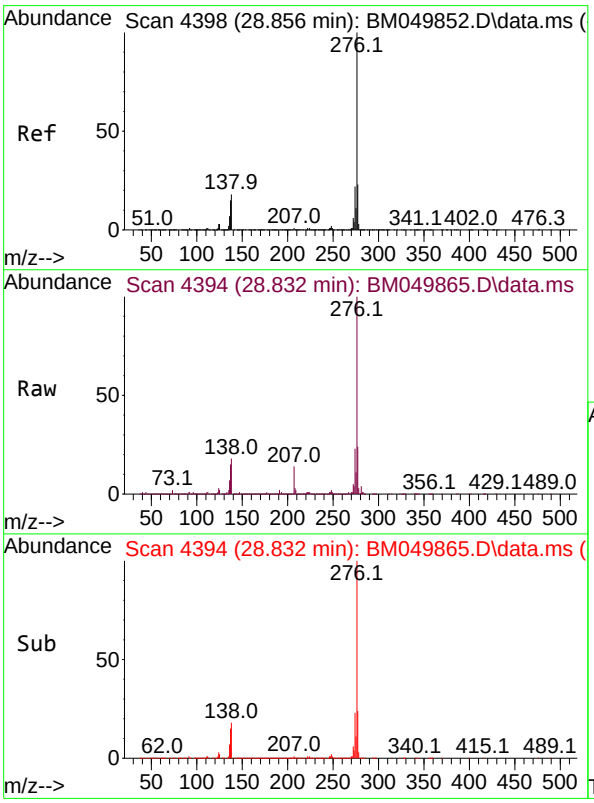
#91
Dibenzo(a,h)anthracene
Concen: 48.712 ng
RT: 27.832 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MS

Tgt Ion:278 Resp: 4529739

Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.6	15.8
279	24.0	19.1	28.7

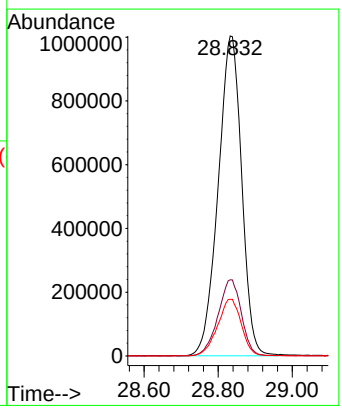




#92
Benzo(g,h,i)perylene
Concen: 46.414 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.023 min
Lab File: BM049865.D
Acq: 09 Apr 2025 13:08

Tgt Ion:276 Resp: 4410499

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	17.7	14.6	21.8



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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MSD	SDG No.:	Q1744
Lab Sample ID:	Q1744-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049866.D	1	04/08/25 08:59	04/09/25 13:47	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		170	370	ug/Kg
108-95-2	Phenol	1900		24.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		27.0	190	ug/Kg
95-57-8	2-Chlorophenol	1900		27.1	190	ug/Kg
95-48-7	2-Methylphenol	2000		33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		41.6	190	ug/Kg
98-86-2	Acetophenone	1800		32.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	2000		45.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		52.6	88.7	ug/Kg
67-72-1	Hexachloroethane	1800		19.5	190	ug/Kg
98-95-3	Nitrobenzene	1800		20.3	190	ug/Kg
78-59-1	Isophorone	1900		36.4	190	ug/Kg
88-75-5	2-Nitrophenol	1800		64.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2700		71.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		31.4	190	ug/Kg
91-20-3	Naphthalene	1700		25.2	190	ug/Kg
106-47-8	4-Chloroaniline	450		39.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	1800		28.1	190	ug/Kg
105-60-2	Caprolactam	1800		57.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		31.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		28.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6800	E	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		32.3	190	ug/Kg
92-52-4	1,1-Biphenyl	1800		24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	1800		25.0	190	ug/Kg
88-74-4	2-Nitroaniline	1900		53.4	190	ug/Kg
131-11-3	Dimethylphthalate	1800		30.1	190	ug/Kg

Raw Data: **BM049866.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MSD	SDG No.:	Q1744
Lab Sample ID:	Q1744-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049866.D	1	04/08/25 08:59	04/09/25 13:47	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		37.3	190	ug/Kg
99-09-2	3-Nitroaniline	510		51.0	190	ug/Kg
83-32-9	Acenaphthene	1800		23.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	250	370	ug/Kg
100-02-7	4-Nitrophenol	4100	E	120	370	ug/Kg
132-64-9	Dibenzofuran	1700		25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		55.6	190	ug/Kg
84-66-2	Diethylphthalate	1800		31.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		29.6	190	ug/Kg
86-73-7	Fluorene	1800		28.1	190	ug/Kg
100-01-6	4-Nitroaniline	1700		71.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		36.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		30.8	190	ug/Kg
118-74-1	Hexachlorobenzene	1800		28.1	190	ug/Kg
1912-24-9	Atrazine	2600		37.7	190	ug/Kg
87-86-5	Pentachlorophenol	3700	E	56.9	370	ug/Kg
85-01-8	Phenanthrene	1800		23.2	190	ug/Kg
120-12-7	Anthracene	1900		36.9	190	ug/Kg
86-74-8	Carbazole	1900		34.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	1800		53.1	190	ug/Kg
206-44-0	Fluoranthene	1900		33.3	190	ug/Kg
129-00-0	Pyrene	1800		39.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	1700		79.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580		40.7	370	ug/Kg
56-55-3	Benzo(a)anthracene	1900		25.5	190	ug/Kg
218-01-9	Chrysene	1900		22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		65.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		96.3	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		21.1	190	ug/Kg

Raw Data: **BM049866.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01MSD	SDG No.:	Q1744
Lab Sample ID:	Q1744-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049866.D	1	04/08/25 08:59	04/09/25 13:47	PB167509

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		24.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	2000		32.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		32.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		30.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		28.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		28.4	190	ug/Kg
123-91-1	1,4-Dioxane	1600		50.1	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		30.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	130		30 (15) - 130 (107)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.2		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.2		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		30 (10) - 130 (116)	94%	SPK: 150
1718-51-0	Terphenyl-d14	93.3		30 (10) - 130 (105)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	285000	7.775			
1146-65-2	Naphthalene-d8	1010000	10.569			
15067-26-2	Acenaphthene-d10	664000	14.421			
1517-22-2	Phenanthrene-d10	1340000	17.162			
1719-03-5	Chrysene-d12	1400000	21.397			
1520-96-3	Perylene-d12	1460000	24.391			

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_M\Data\BM040925\
Data File : BM049866.D
Acq On : 09 Apr 2025 13:47
Operator : RC/JU
Sample : Q1744-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Quant Time: Apr 10 01:42:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	285351	20.000	ng		0.00
21) Naphthalene-d8	10.569	136	1005761	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	663787	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1342339	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1401873	20.000	ng		0.00
86) Perylene-d12	24.391	264	1461448	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2136954	127.167	ng		0.00
7) Phenol-d6	6.951	99	2724008	130.287	ng		0.00
23) Nitrobenzene-d5	8.933	82	1557737	86.246	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1357374	140.587	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	4170498	85.197	ng		0.00
79) Terphenyl-d14	19.786	244	6980310	93.314	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	306237	44.250	ng		99
3) Pyridine	3.657	79	824020	45.318	ng		100
4) n-Nitrosodimethylamine	3.563	42	324177	46.848	ng		97
6) Aniline	7.104	93	420957	23.497	ng		99
8) 2-Chlorophenol	7.345	128	864396	50.194	ng		98
9) Benzaldehyde	6.916	77	477912	44.543	ng		98
10) Phenol	6.975	94	1066445	52.269	ng		99
11) bis(2-Chloroethyl)ether	7.198	93	776399	48.525	ng		100
12) 1,3-Dichlorobenzene	7.663	146	980458	48.155	ng		99
13) 1,4-Dichlorobenzene	7.810	146	992255	48.434	ng		98
14) 1,2-Dichlorobenzene	8.128	146	950955	49.282	ng		99
15) Benzyl Alcohol	8.016	79	693613	52.683	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.298	45	901093	50.529	ng		99
17) 2-Methylphenol	8.222	107	672939	53.521	ng		99
18) Hexachloroethane	8.857	117	341526	47.917	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	582254	50.282	ng		99
20) 3+4-Methylphenols	8.551	107	917509	53.525	ng		99
22) Acetophenone	8.598	105	1167291	47.755	ng	#	99
24) Nitrobenzene	8.975	77	835602	48.046	ng		98
25) Isophorone	9.504	82	1576133	52.092	ng		99
26) 2-Nitrophenol	9.686	139	445919	48.376	ng		99
27) 2,4-Dimethylphenol	9.751	122	761170	72.864	ng		98
28) bis(2-Chloroethoxy)met...	9.980	93	996102	49.175	ng		99
29) 2,4-Dichlorophenol	10.222	162	874134	50.340	ng		99
30) 1,2,4-Trichlorobenzene	10.433	180	956323	47.606	ng		100
31) Naphthalene	10.622	128	2397631	46.394	ng		99
32) Benzoic acid	9.886	122	566036	44.477	ng		98
33) 4-Chloroaniline	10.727	127	220350	12.075	ng		99
34) Hexachlorobutadiene	10.910	225	588579	47.367	ng		98
35) Caprolactam	11.510	113	247722	49.739	ng		99
36) 4-Chloro-3-methylphenol	11.863	107	776696	51.063	ng		99
37) 2-Methylnaphthalene	12.233	142	1595016	43.805	ng		99
38) 1-Methylnaphthalene	12.457	142	1678627	47.320	ng		100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1117353	48.115	ng		98
41) Hexachlorocyclopentadiene	12.592	237	1486422	182.669	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	734045	49.674	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049866.D
Acq On : 09 Apr 2025 13:47
Operator : RC/JU
Sample : Q1744-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Quant Time: Apr 10 01:42:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

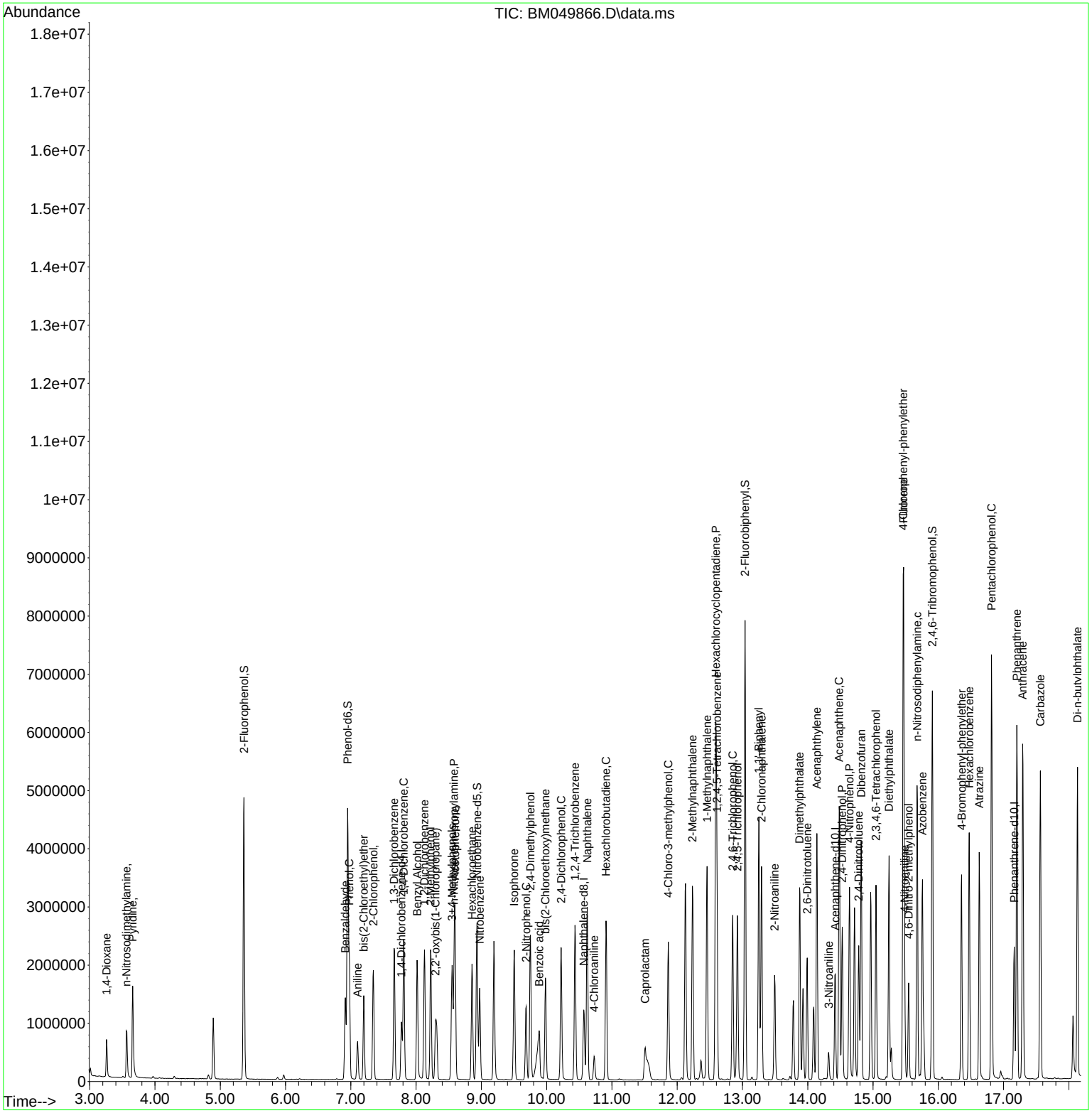
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	804889	50.122	ng	99
46) 1,1'-Biphenyl	13.251	154	2349677	47.618	ng	100
47) 2-Chloronaphthalene	13.292	162	1871890	48.265	ng	99
48) 2-Nitroaniline	13.492	65	456335	50.860	ng	98
49) Acenaphthylene	14.139	152	2972105	52.609	ng	100
50) Dimethylphthalate	13.874	163	2283140	48.754	ng	99
51) 2,6-Dinitrotoluene	13.992	165	492479	50.195	ng	99
52) Acenaphthene	14.480	154	1724643	47.994	ng	99
53) 3-Nitroaniline	14.321	138	130642	13.777	ng	98
54) 2,4-Dinitrophenol	14.527	184	629408	87.809	ng	98
55) Dibenzofuran	14.821	168	2836442	47.217	ng	98
56) 4-Nitrophenol	14.639	139	934371	110.572	ng	99
57) 2,4-Dinitrotoluene	14.780	165	698694	53.380	ng	98
58) Fluorene	15.468	166	2375933	49.757	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	692400	49.194	ng	99
60) Diethylphthalate	15.245	149	2148314	47.838	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1280962	50.036	ng	99
62) 4-Nitroaniline	15.486	138	455783	46.478	ng	99
63) Azobenzene	15.757	77	2029859	52.794	ng	97
65) 4,6-Dinitro-2-methylph...	15.545	198	406755	48.087	ng	99
66) n-Nitrosodiphenylamine	15.674	169	1993763	49.632	ng	99
67) 4-Bromophenyl-phenylether	16.356	248	758871	48.699	ng	96
68) Hexachlorobenzene	16.474	284	874754	48.940	ng	98
69) Atrazine	16.627	200	737371	70.795	ng	99
70) Pentachlorophenol	16.815	266	1321712	100.440	ng	99
71) Phenanthrene	17.203	178	3676782	49.961	ng	100
72) Anthracene	17.292	178	3760847	51.857	ng	100
73) Carbazole	17.562	167	3446827	50.460	ng	100
74) Di-n-butylphthalate	18.133	149	3801949	48.323	ng	100
75) Fluoranthene	19.221	202	4538028	50.152	ng	99
77) Benzidine	19.403	184	1757189	94.484	ng	99
78) Pyrene	19.580	202	4707504	48.725	ng	99
80) Butylbenzylphthalate	20.480	149	1704963	46.964	ng	100
81) Benzo(a)anthracene	21.380	228	4791802	51.432	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	548354	15.585	ng	99
83) Chrysene	21.444	228	4591192	51.834	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2464666	46.598	ng	99
85) Di-n-octyl phthalate	22.438	149	4181805	45.193	ng	100
87) Indeno(1,2,3-cd)pyrene	27.779	276	5591757	51.330	ng	99
88) Benzo(b)fluoranthene	23.450	252	4901336	52.512	ng	99
89) Benzo(k)fluoranthene	23.515	252	4863511	53.770	ng	100
90) Benzo(a)pyrene	24.256	252	4421640	53.910	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	4528137	50.463	ng	100
92) Benzo(g,h,i)perylene	28.838	276	4423237	48.240	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049866.D
Acq On : 09 Apr 2025 13:47
Operator : RC/JU
Sample : Q1744-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

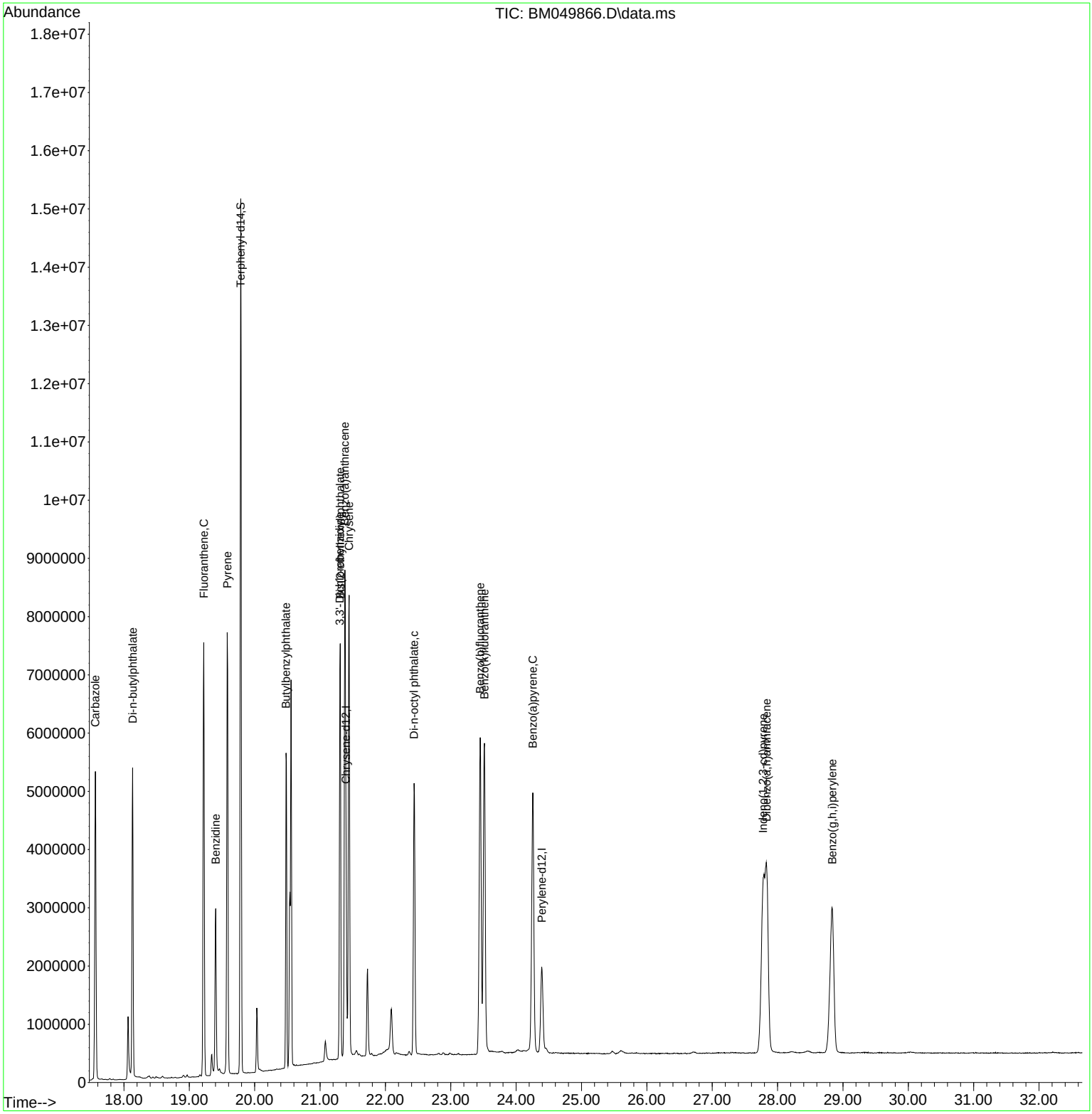
Quant Time: Apr 10 01:42:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

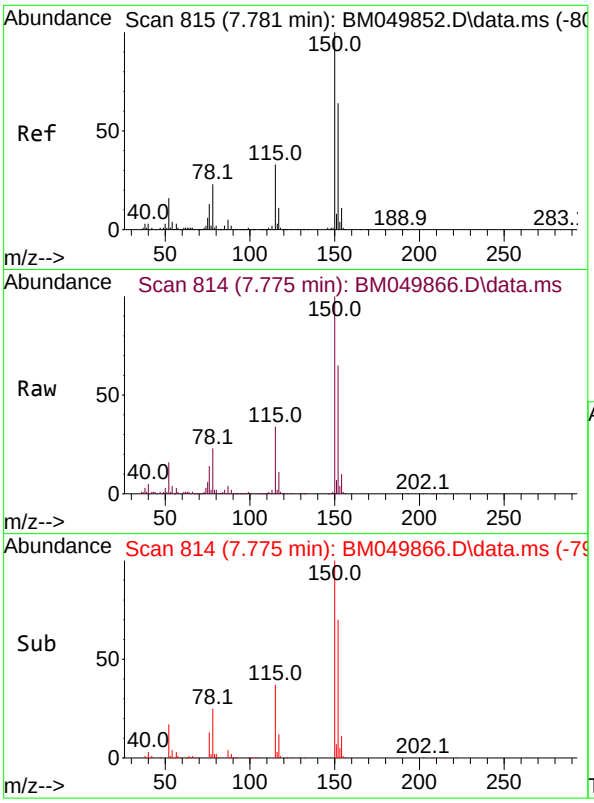


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049866.D
Acq On : 09 Apr 2025 13:47
Operator : RC/JU
Sample : Q1744-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Quant Time: Apr 10 01:42:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



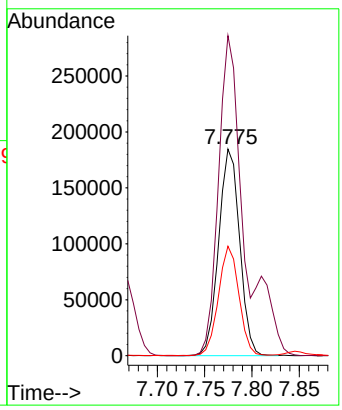


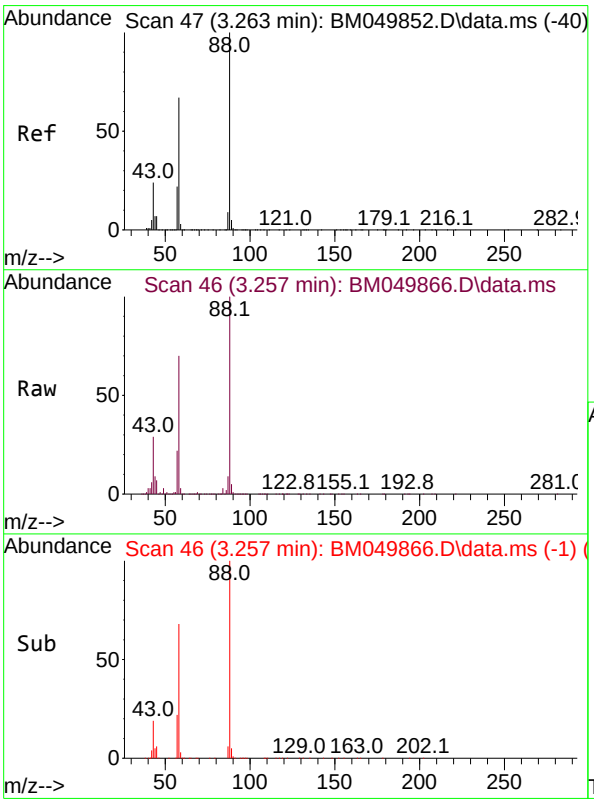
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:152 Resp: 285351

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.3	186.5
115	53.0	41.1	61.7

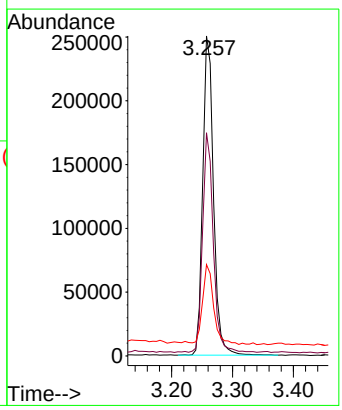


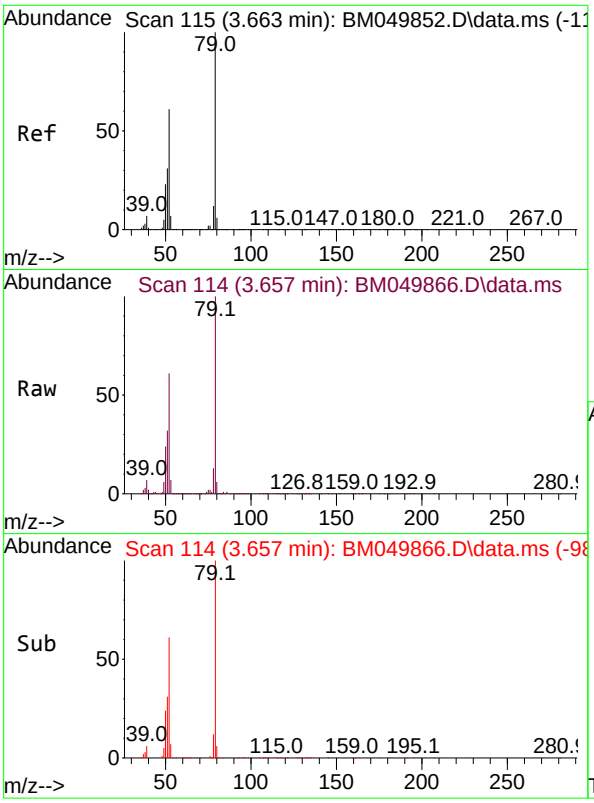


#2
1,4-Dioxane
Concen: 44.250 ng
RT: 3.257 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion: 88 Resp: 306237

Ion	Ratio	Lower	Upper
88	100		
58	68.5	54.1	81.1
43	25.4	20.2	30.4



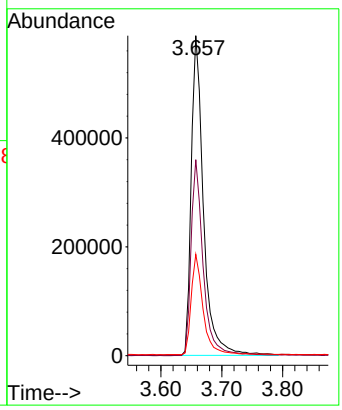


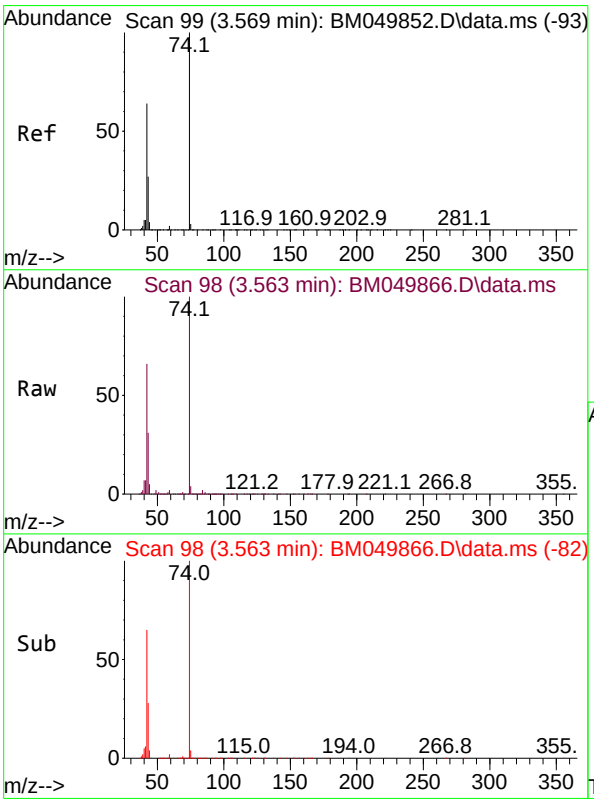
#3
Pyridine
Concen: 45.318 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 79 Resp: 824020

Ion	Ratio	Lower	Upper
79	100		
52	61.2	48.9	73.3
51	31.7	25.0	37.6

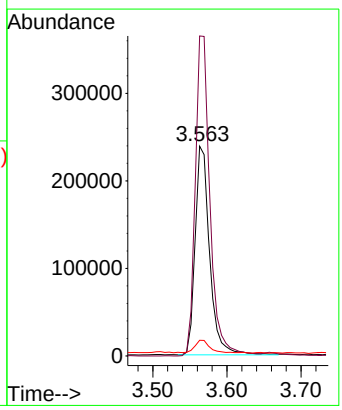


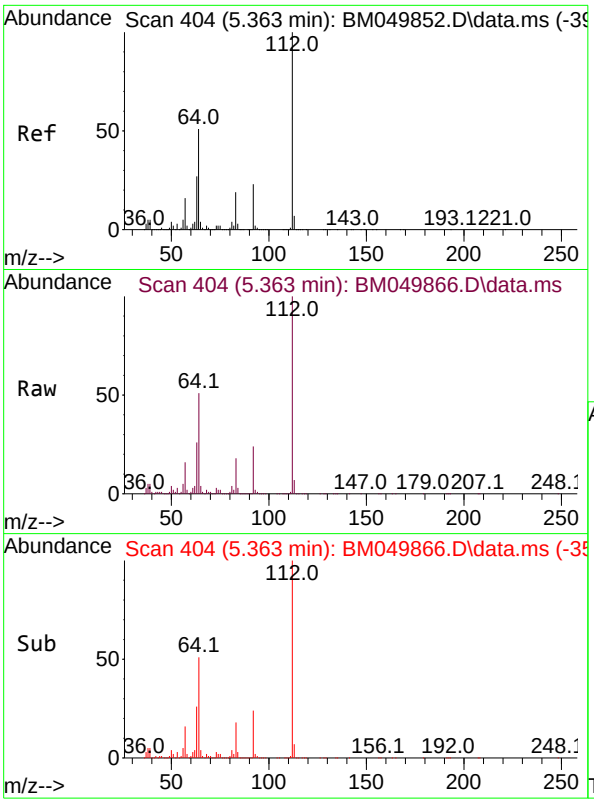


#4
n-Nitrosodimethylamine
Concen: 46.848 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion: 42 Resp: 324177

Ion	Ratio	Lower	Upper
42	100		
74	152.5	125.4	188.2
44	7.5	5.9	8.9



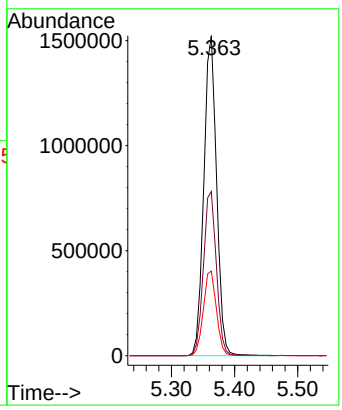


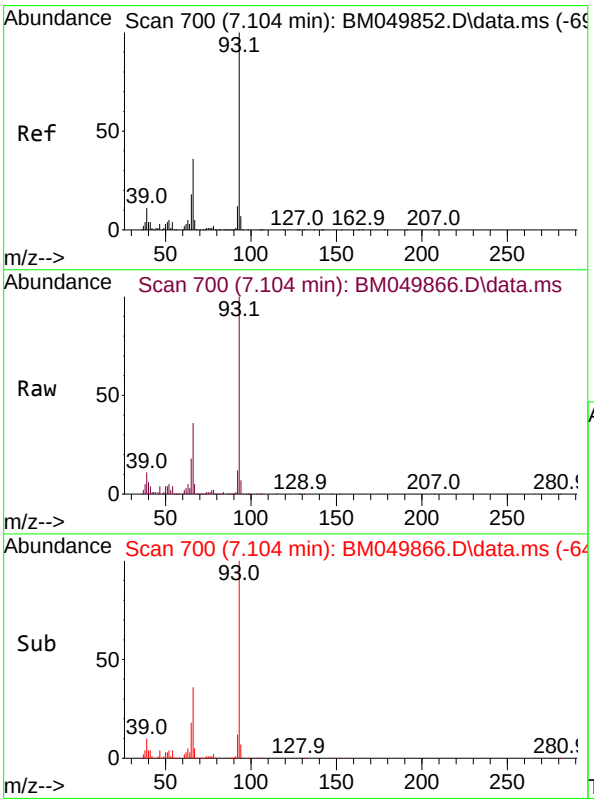
#5
2-Fluorophenol
Concen: 127.167 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:112 Resp: 2136954

Ion	Ratio	Lower	Upper
112	100		
64	51.3	41.0	61.6
63	26.4	21.5	32.3

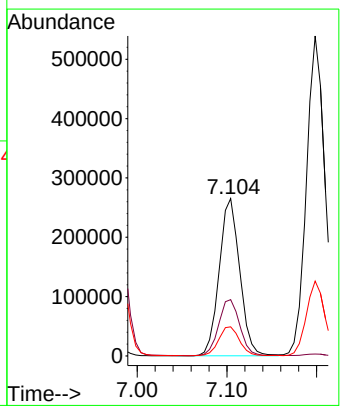


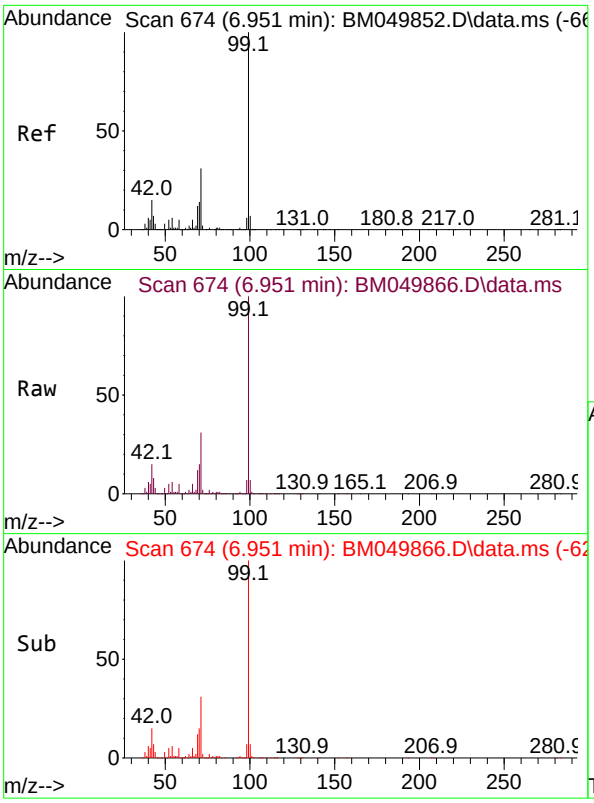


#6
Aniline
Concen: 23.497 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion: 93 Resp: 420957

Ion	Ratio	Lower	Upper
93	100		
66	35.8	29.1	43.7
65	18.5	14.9	22.3



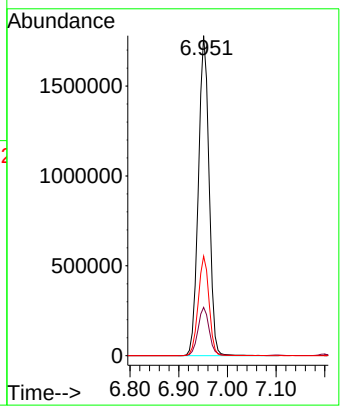


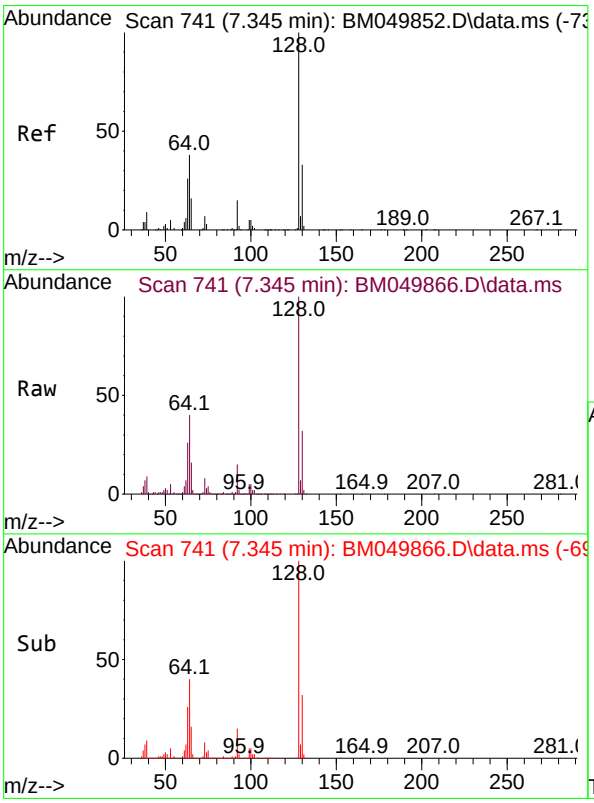
#7
Phenol-d6
Concen: 130.287 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 99 Resp: 2724008

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	31.1	24.9	37.3

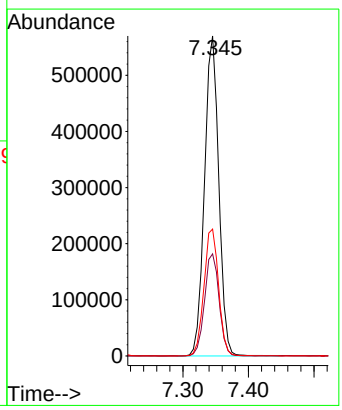


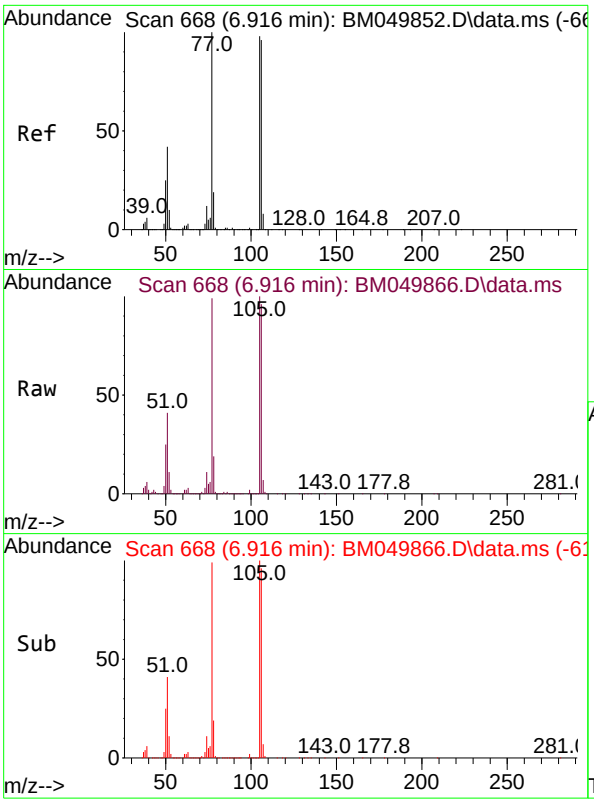


#8
2-Chlorophenol
Concen: 50.194 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:128 Resp: 864396

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	39.7	21.1	61.1



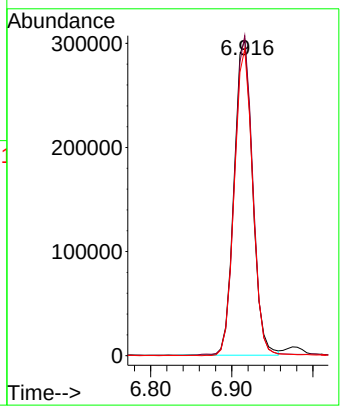


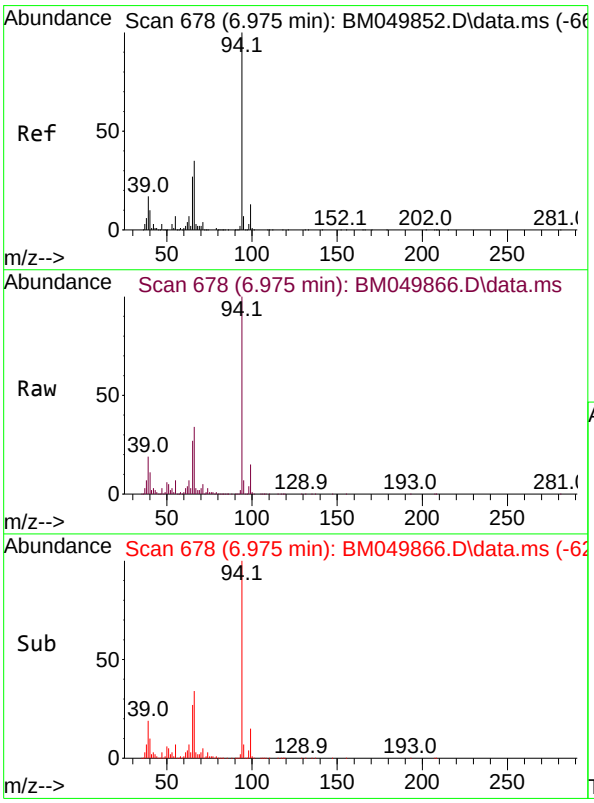
#9
Benzaldehyde
Concen: 44.543 ng
RT: 6.916 min Scan# 6(
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 77 Resp: 477912

Ion	Ratio	Lower	Upper
77	100		
105	101.4	78.3	118.3
106	97.2	76.0	116.0

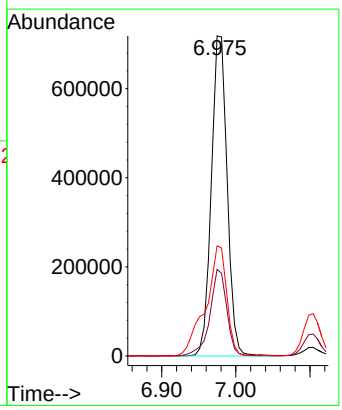


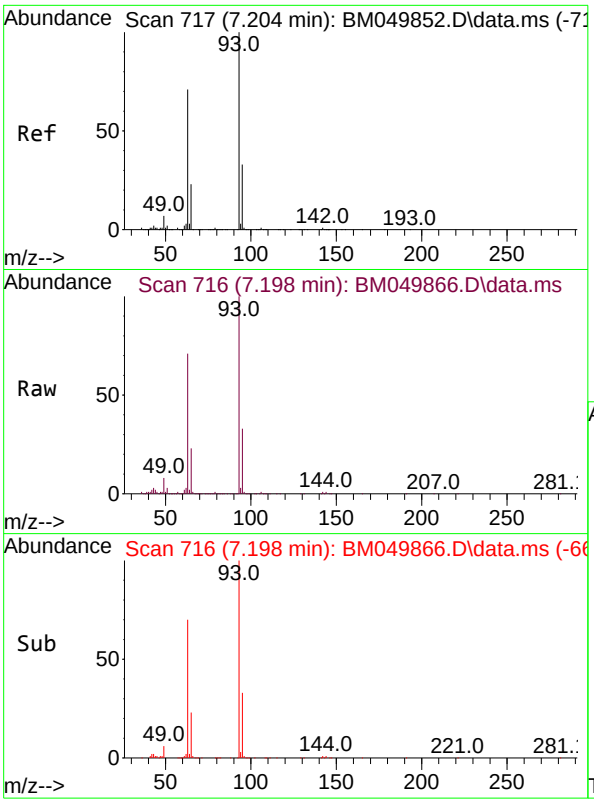


#10
Phenol
Concen: 52.269 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion: 94 Resp: 1066445

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.3	47.3
66	34.4	14.8	54.8



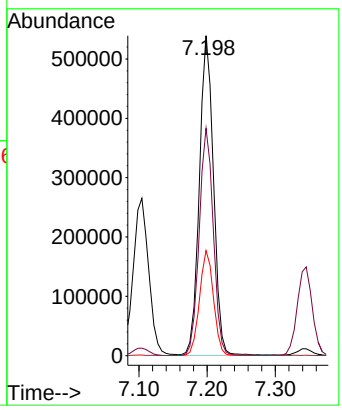


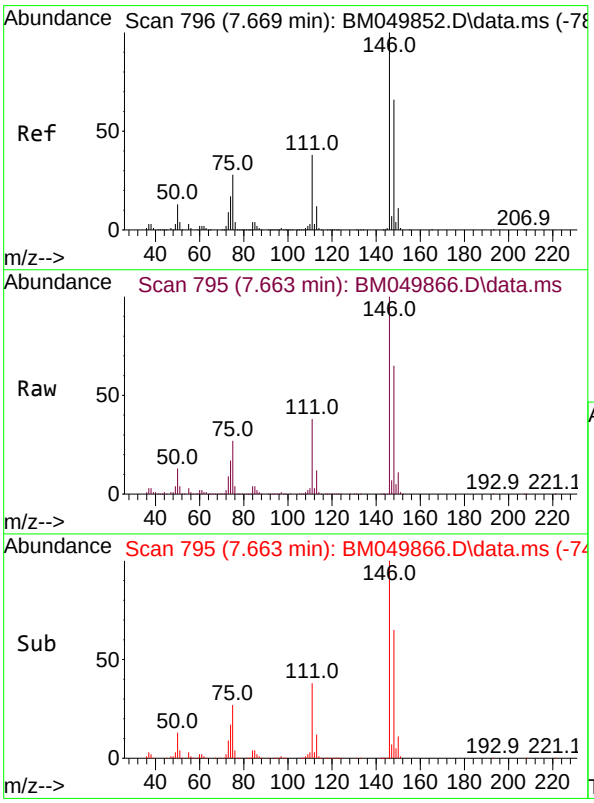
#11
bis(2-Chloroethyl)ether
Concen: 48.525 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 93 Resp: 776399

Ion	Ratio	Lower	Upper
93	100		
63	71.0	50.9	90.9
95	32.9	12.6	52.6

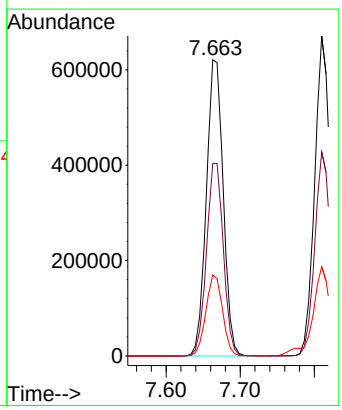


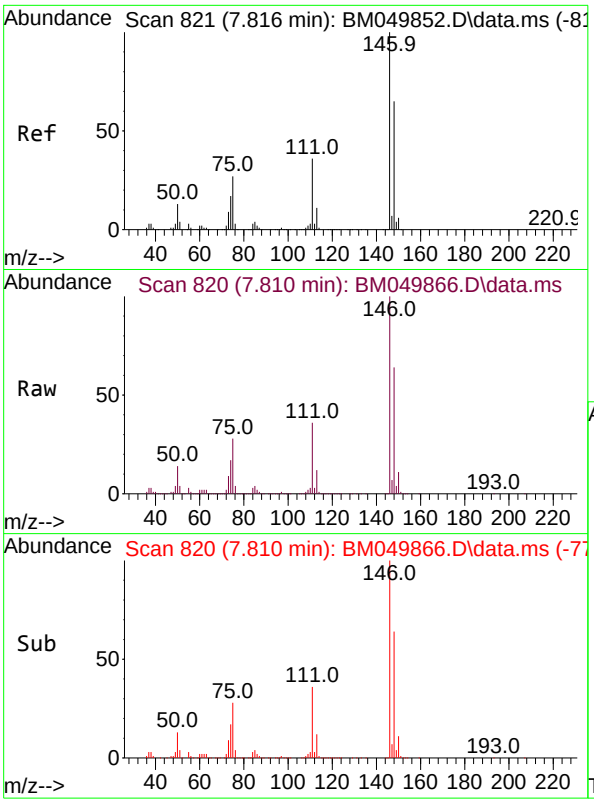


#12
1,3-Dichlorobenzene
Concen: 48.155 ng
RT: 7.663 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:146 Resp: 980458

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.5	78.7
75	27.3	22.5	33.7



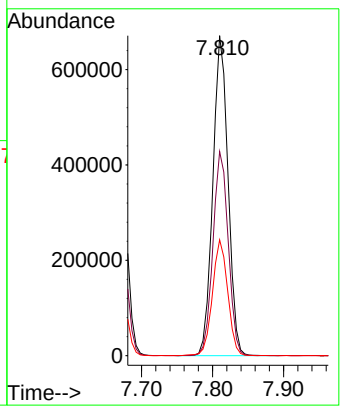


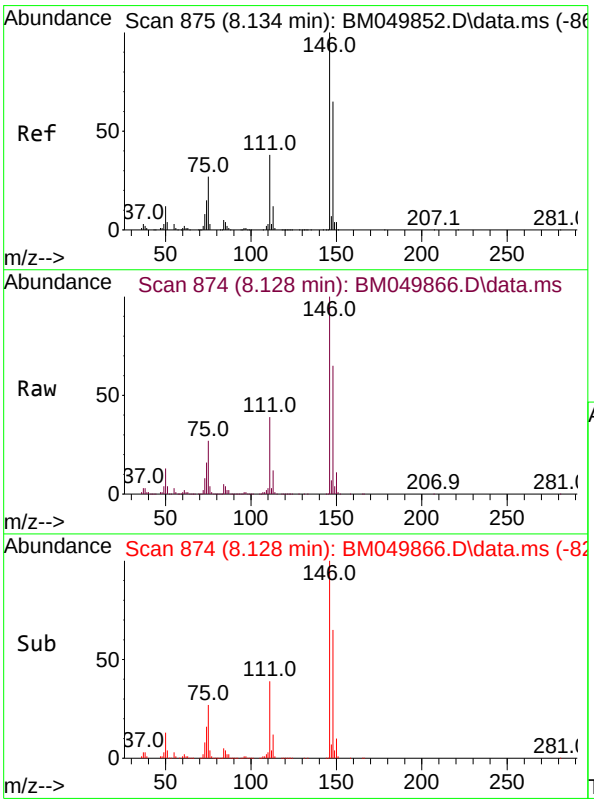
#13
1,4-Dichlorobenzene
Concen: 48.434 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:146 Resp: 992255

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.4	78.6
111	36.2	28.5	42.7

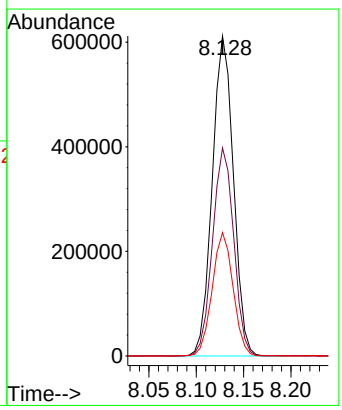


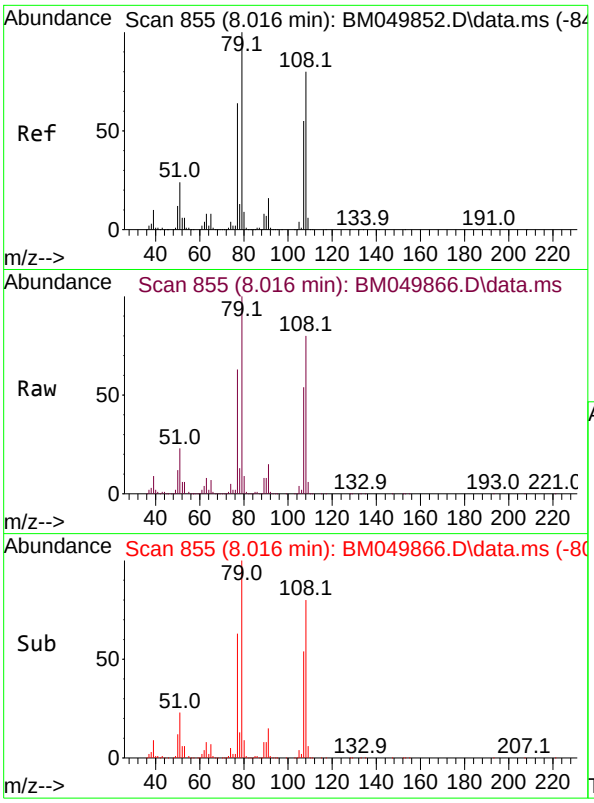


#14
1,2-Dichlorobenzene
Concen: 49.282 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:146 Resp: 950955

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.8	77.8
111	38.6	30.2	45.4



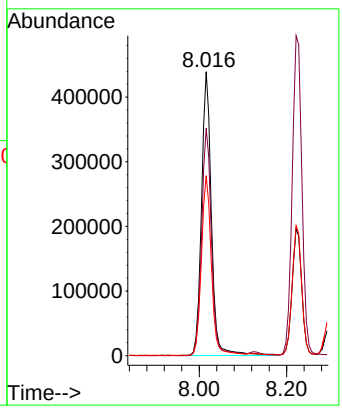


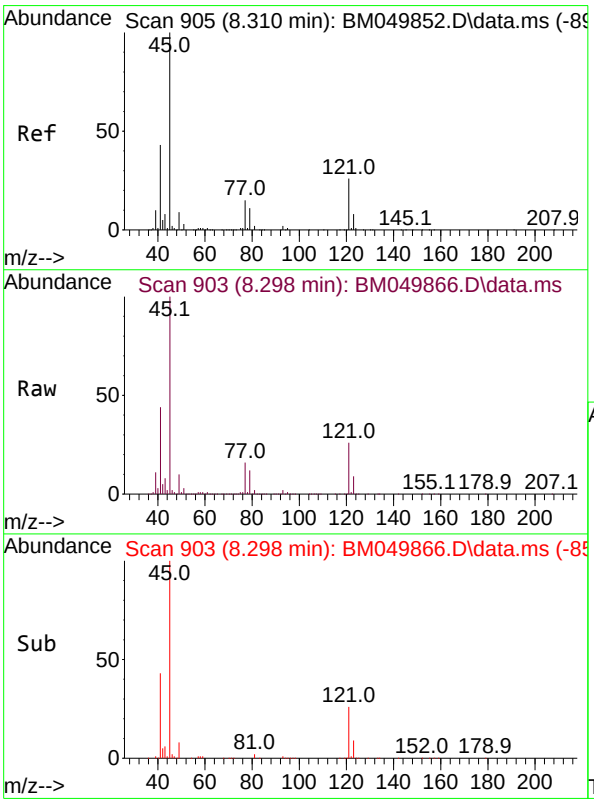
#15
Benzyl Alcohol
Concen: 52.683 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 79 Resp: 693613

Ion	Ratio	Lower	Upper
79	100		
108	80.1	63.6	95.4
77	63.4	51.3	76.9

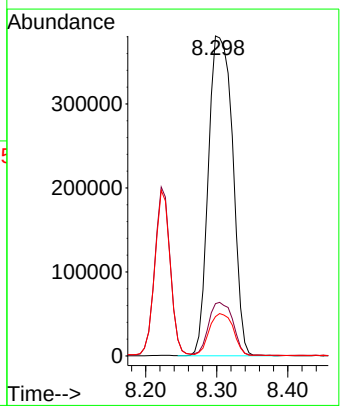


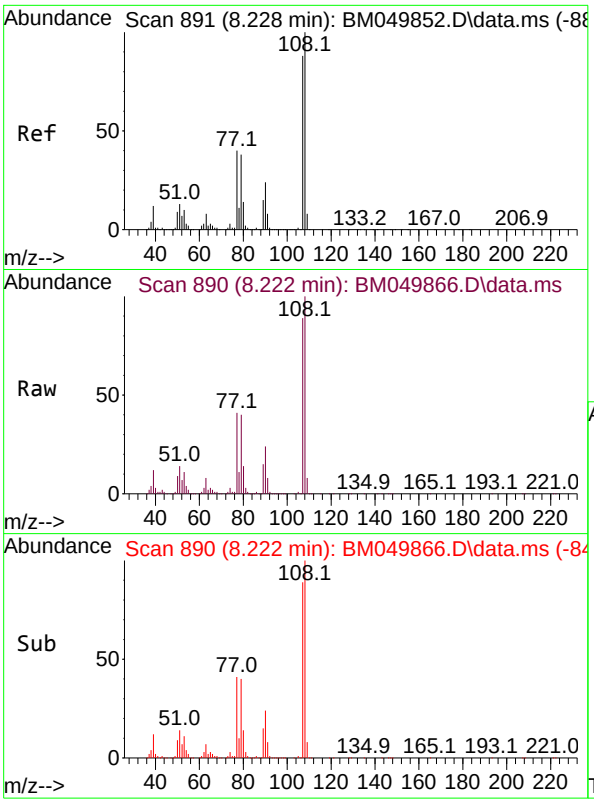


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.529 ng
RT: 8.298 min Scan# 903
Delta R.T. -0.012 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion: 45 Resp: 901093

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.9
79	12.3	0.0	32.9



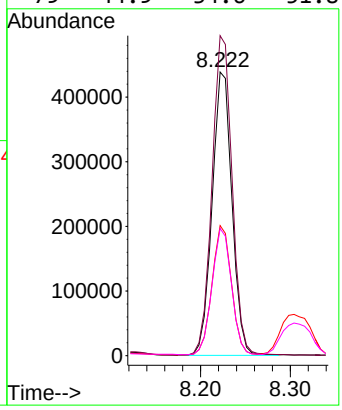


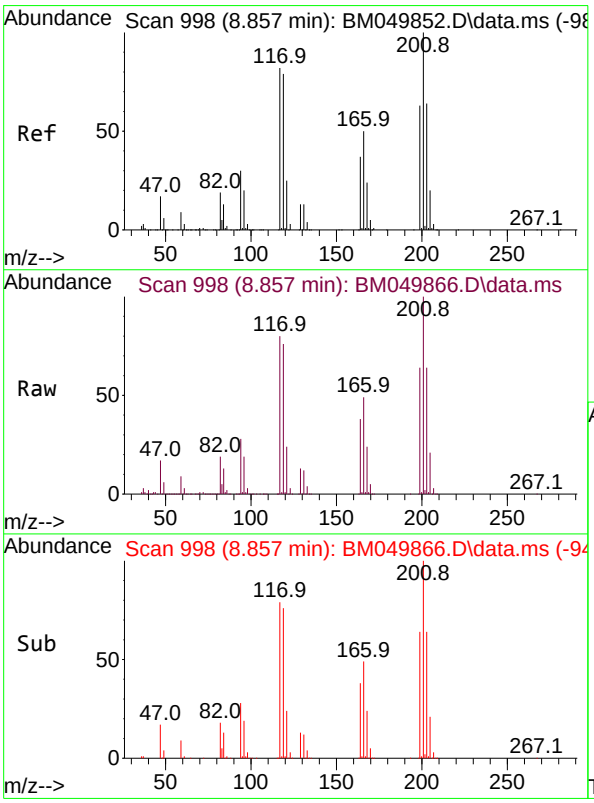
#17
2-Methylphenol
Concen: 53.521 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:107 Resp: 672939

Ion	Ratio	Lower	Upper
107	100		
108	112.8	91.0	136.6
77	45.8	36.5	54.7
79	44.9	34.6	51.8

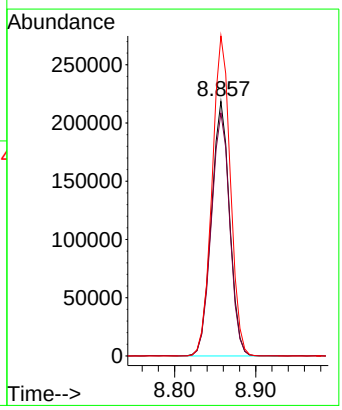


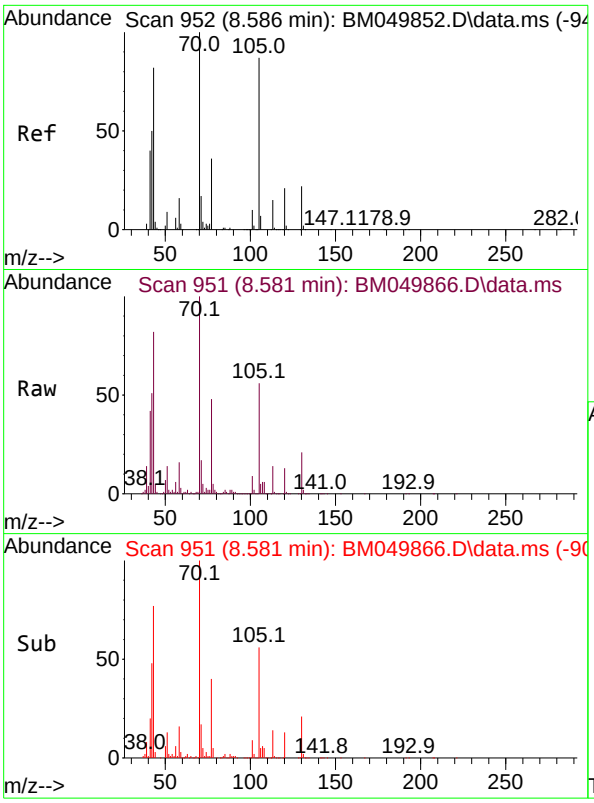


#18
Hexachloroethane
Concen: 47.917 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:117 Resp: 341526

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.5	116.3
201	125.7	97.7	146.5



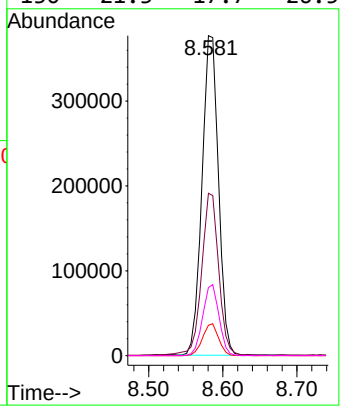


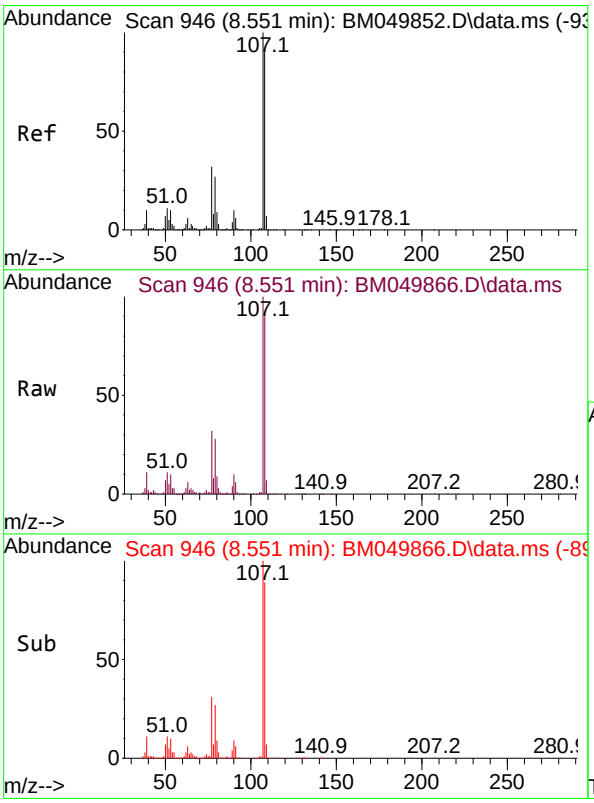
#19
n-Nitroso-di-n-propylamine
Concen: 50.282 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 70 Resp: 582254

Ion	Ratio	Lower	Upper
70	100		
42	50.7	40.2	60.2
101	9.5	7.9	11.9
130	21.3	17.7	26.5

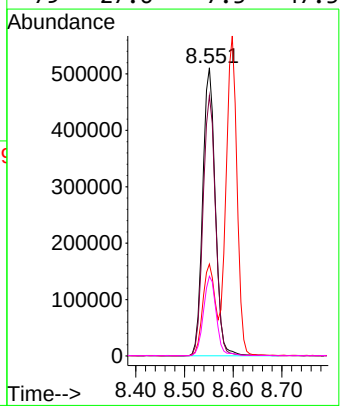


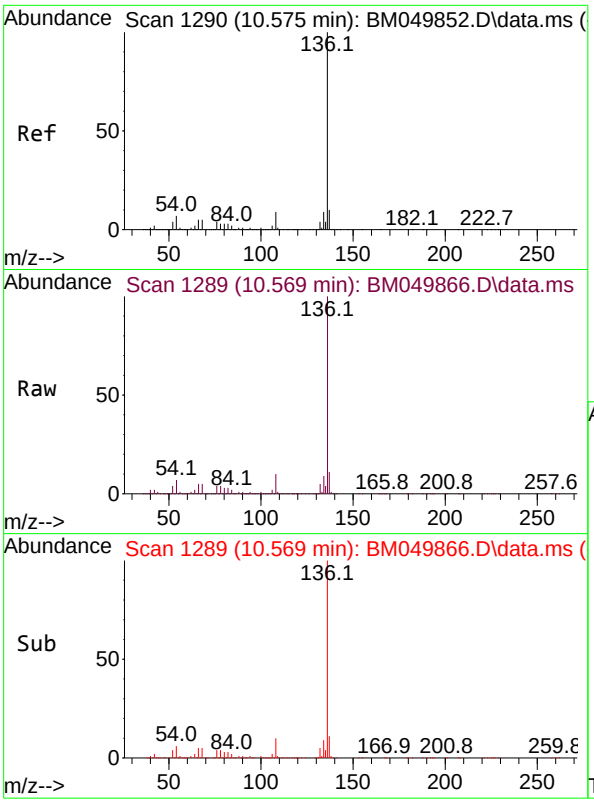


#20
3+4-Methylphenols
Concen: 53.525 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:107 Resp: 917509

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.6	109.6
77	31.9	11.7	51.7
79	27.6	7.3	47.3



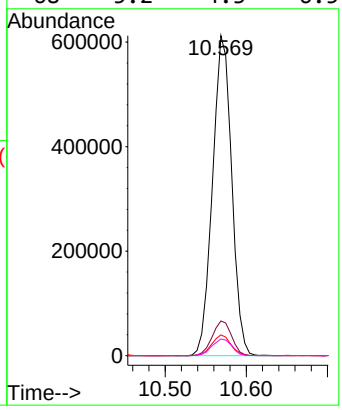


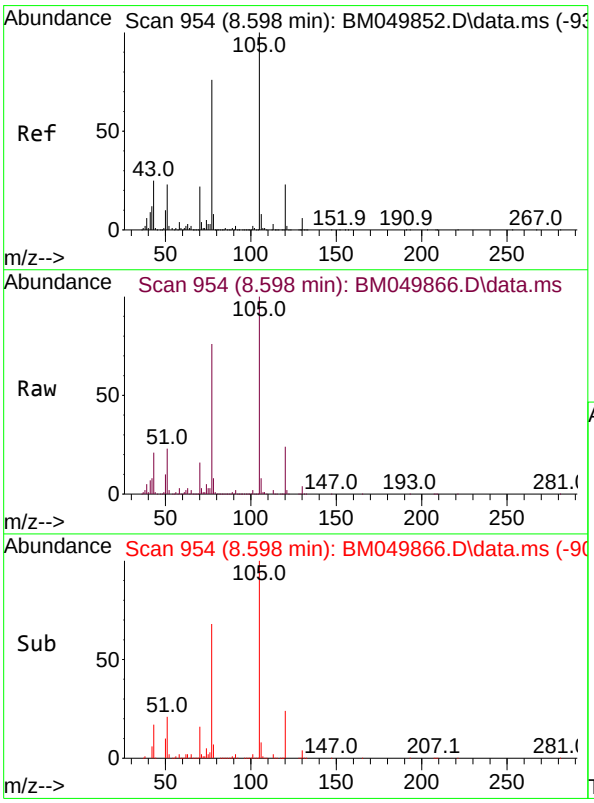
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:136 Resp: 1005761

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.5	5.3	7.9
68	5.2	4.3	6.5

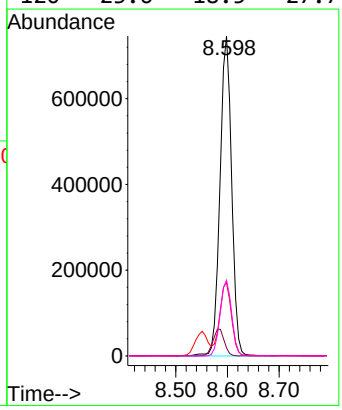


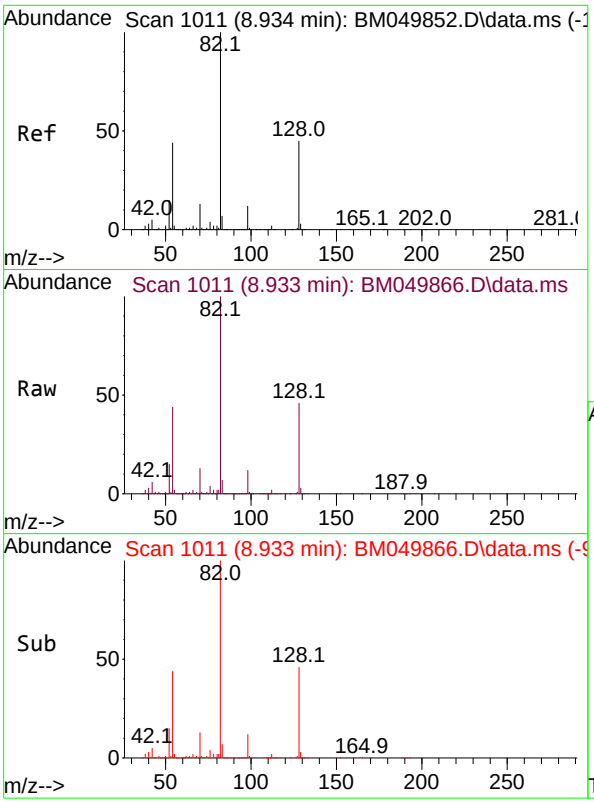


#22
Acetophenone
Concen: 47.755 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:105 Resp: 1167291

Ion	Ratio	Lower	Upper
105	100		
71	2.6	3.0	4.4#
51	22.9	18.6	27.8
120	23.6	18.5	27.7



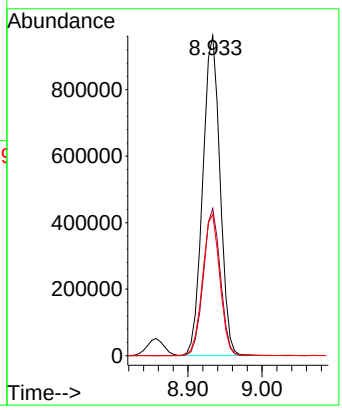


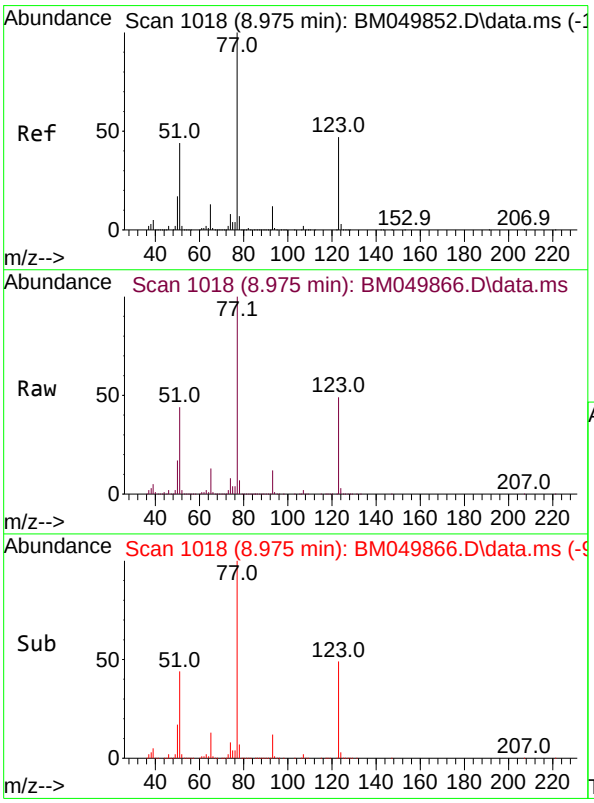
#23
Nitrobenzene-d5
Concen: 86.246 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 82 Resp: 1557737

Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.2	54.2
54	44.1	35.0	52.6

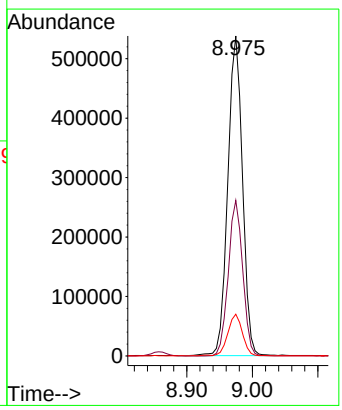


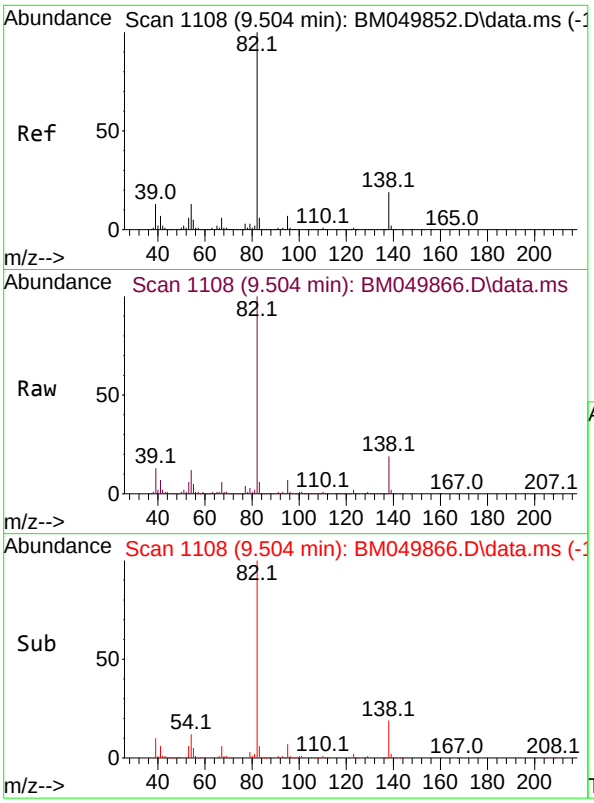


#24
Nitrobenzene
Concen: 48.046 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion: 77 Resp: 835602

Ion	Ratio	Lower	Upper
77	100		
123	48.6	37.4	56.2
65	13.1	10.1	15.1



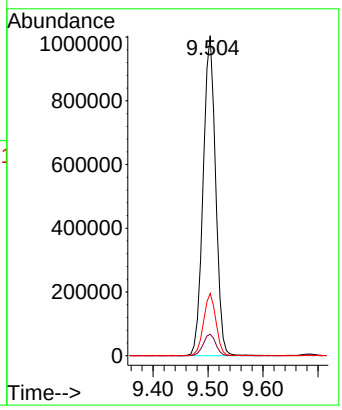


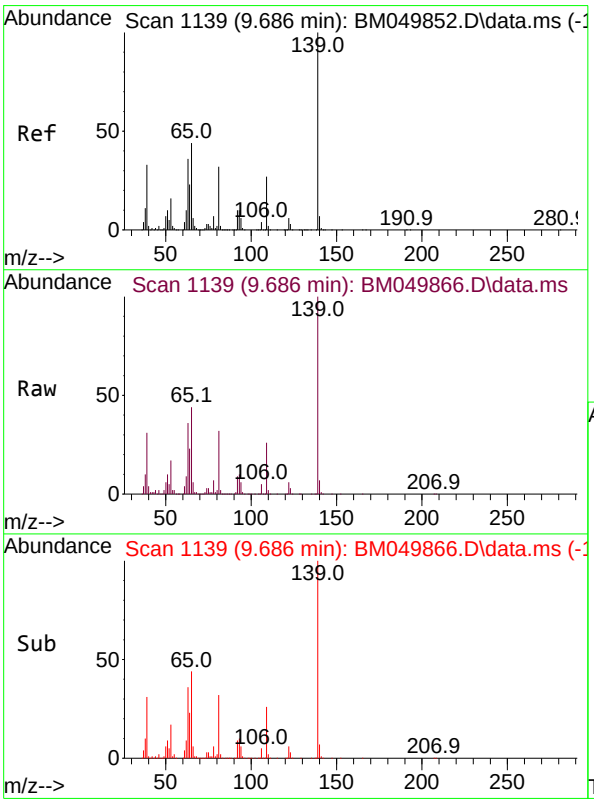
#25
Isophorone
Concen: 52.092 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 82 Resp: 1576133

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.5	15.0	22.6

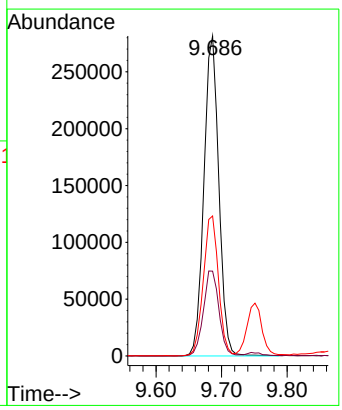


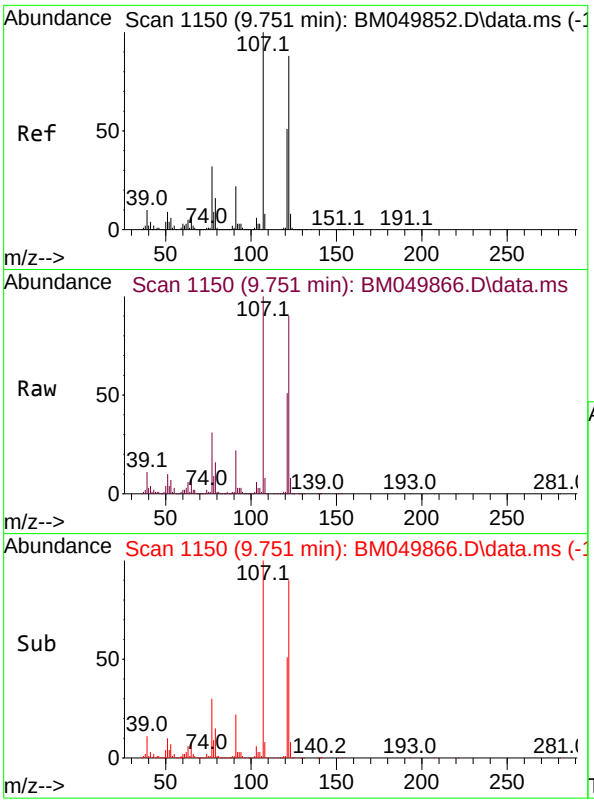


#26
2-Nitrophenol
Concen: 48.376 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:139 Resp: 445919

Ion	Ratio	Lower	Upper
139	100		
109	26.5	21.7	32.5
65	43.7	35.2	52.8



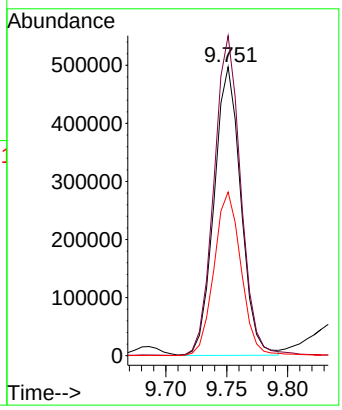


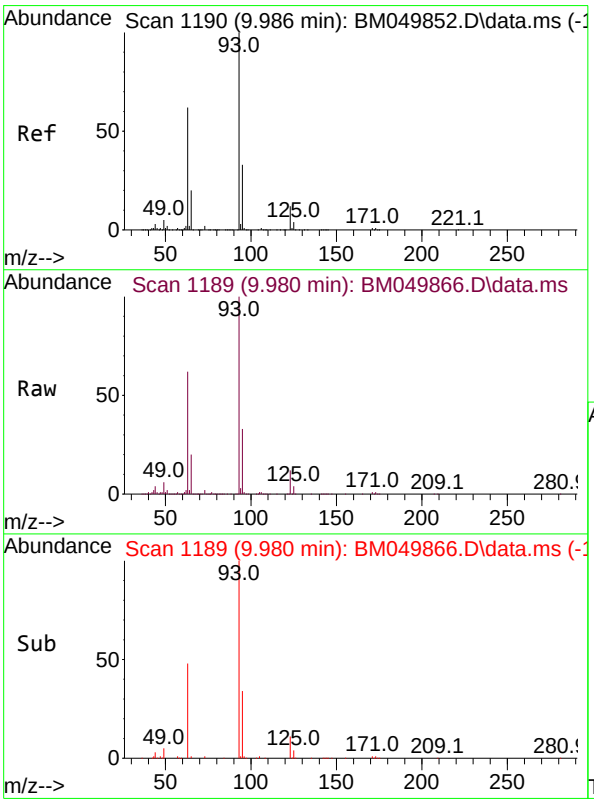
#27
2,4-Dimethylphenol
Concen: 72.864 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:122 Resp: 761170

Ion	Ratio	Lower	Upper
122	100		
107	110.8	90.3	135.5
121	56.7	46.1	69.1

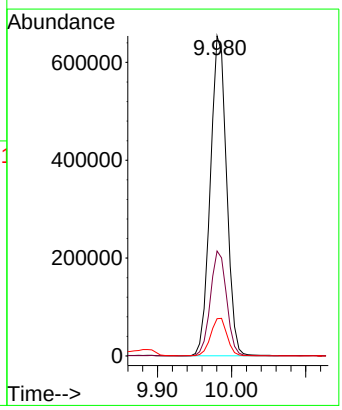


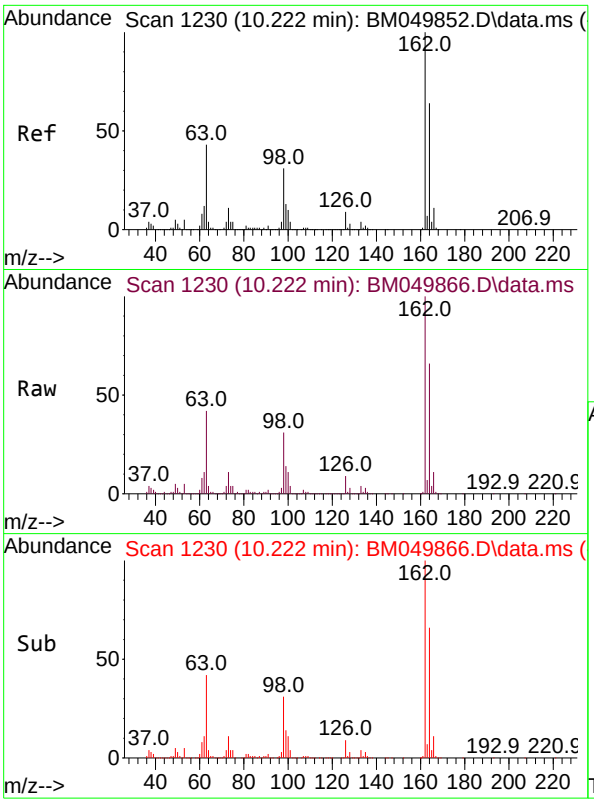


#28
bis(2-Chloroethoxy)methane
Concen: 49.175 ng
RT: 9.980 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion: 93 Resp: 996102

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	11.7	9.5	14.3



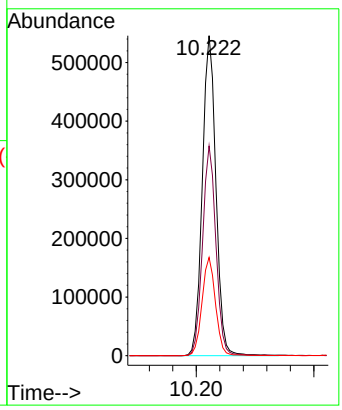


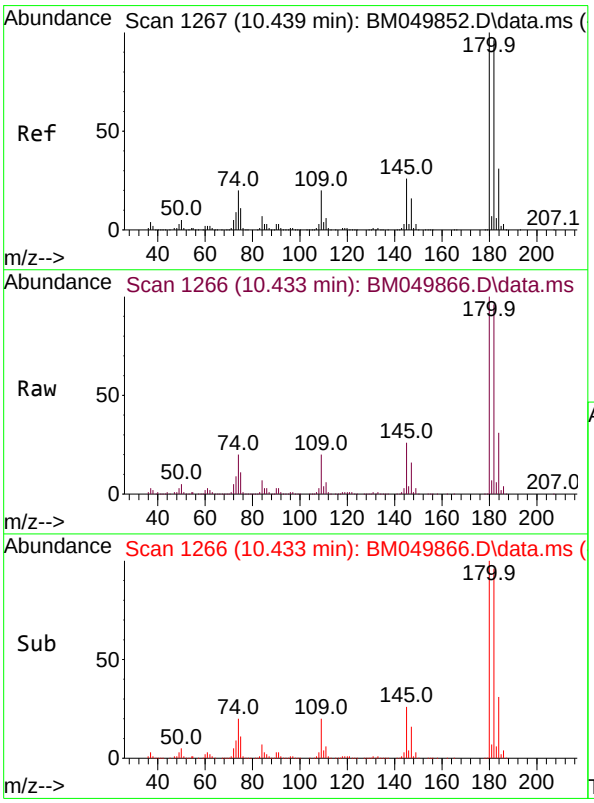
#29
2,4-Dichlorophenol
Concen: 50.340 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:162 Resp: 874134

Ion	Ratio	Lower	Upper
162	100		
164	65.6	44.3	84.3
98	30.7	10.9	50.9

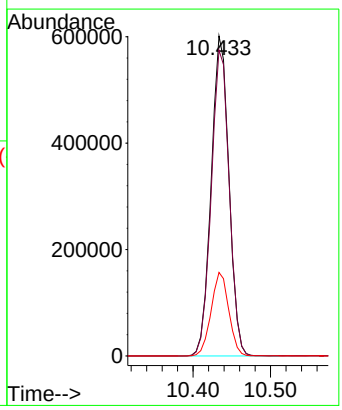


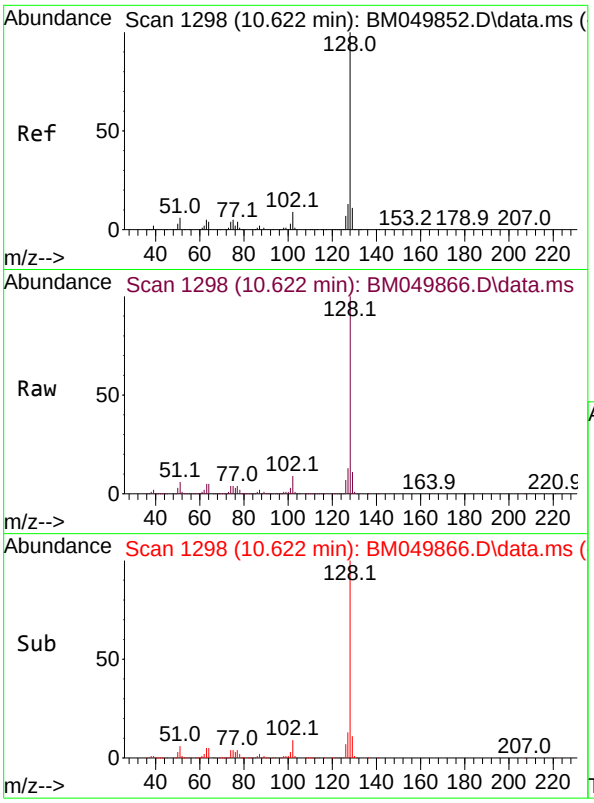


#30
1,2,4-Trichlorobenzene
Concen: 47.606 ng
RT: 10.433 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:180 Resp: 956323

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.7	115.1
145	26.1	20.8	31.2



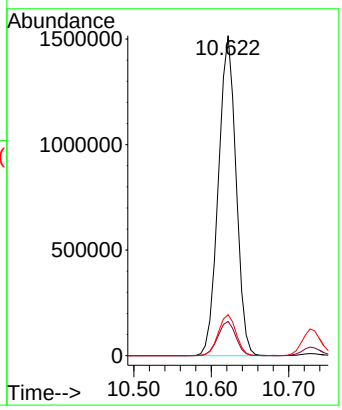


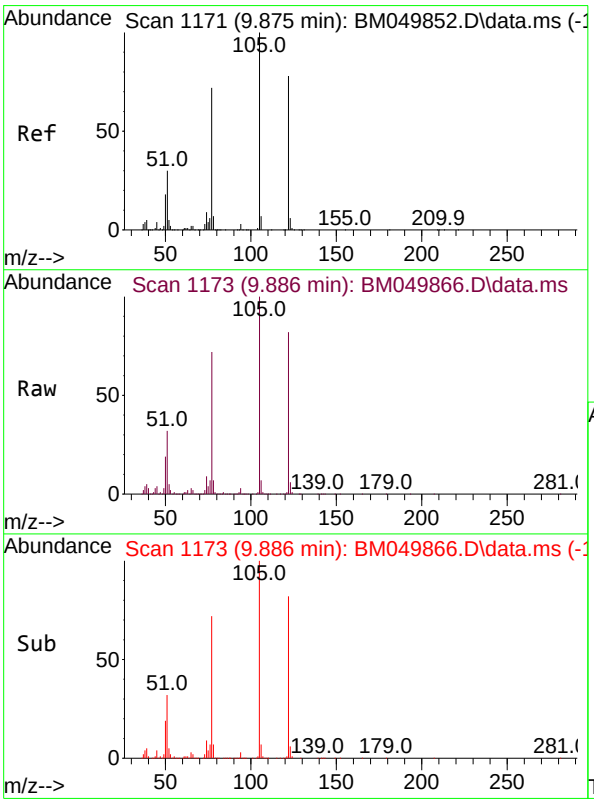
#31
Naphthalene
Concen: 46.394 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:128 Resp: 2397631

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.8	10.6	15.8

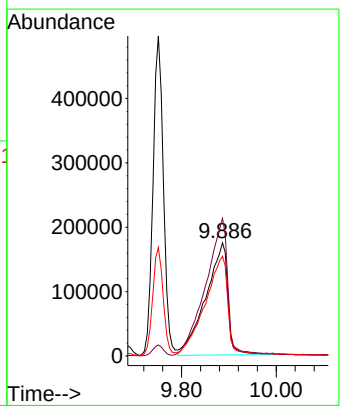


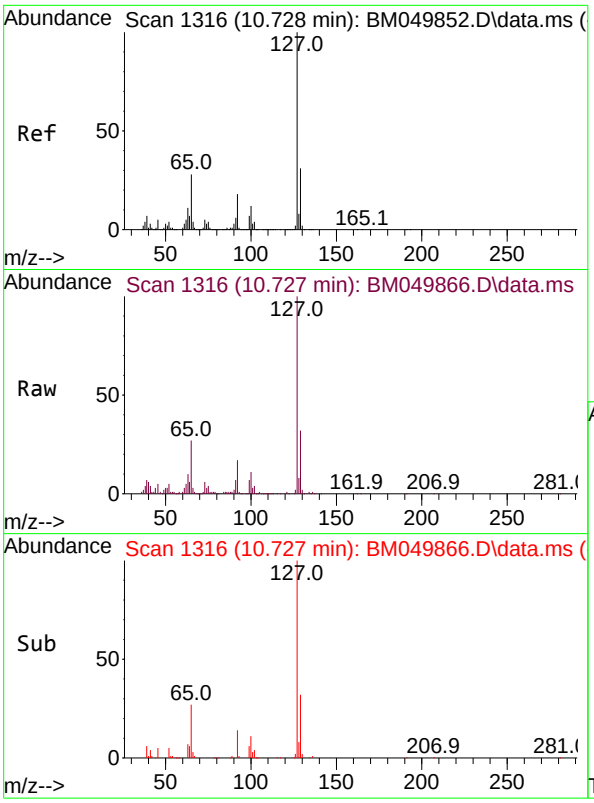


#32
Benzoic acid
Concen: 44.477 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:122 Resp: 566036

Ion	Ratio	Lower	Upper
122	100		
105	121.7	103.8	143.8
77	88.2	70.7	110.7



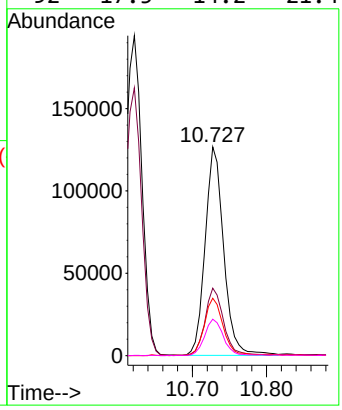


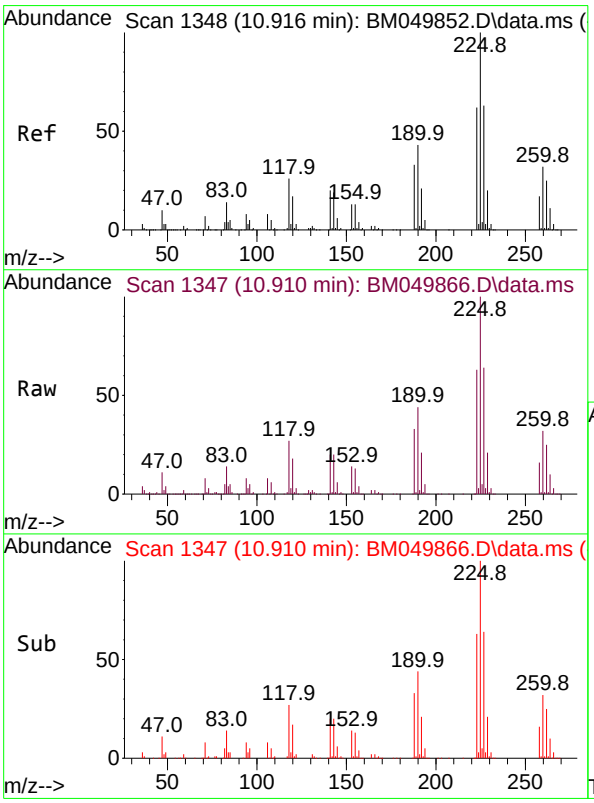
#33
4-Chloroaniline
Concen: 12.075 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:127 Resp: 220350

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.9	37.3
65	27.5	22.4	33.6
92	17.5	14.2	21.4

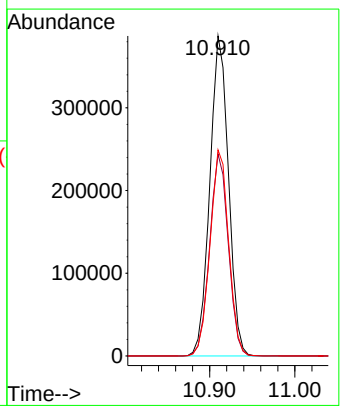


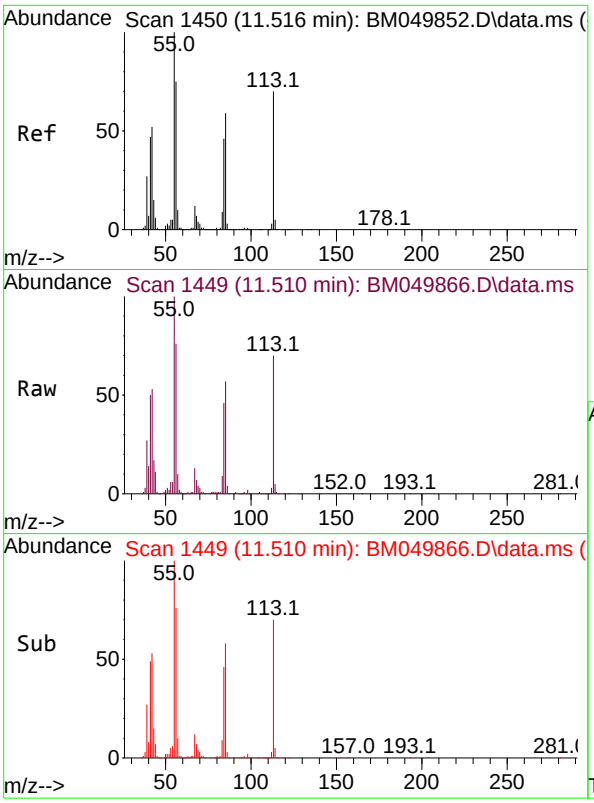


#34
Hexachlorobutadiene
Concen: 47.367 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:225 Resp: 588579

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	64.4	50.1	75.1



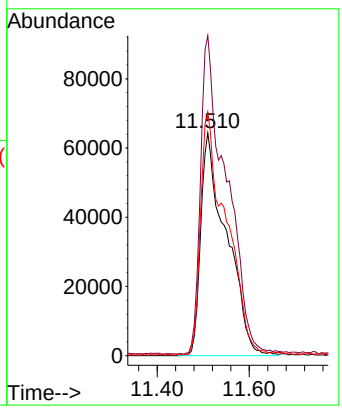


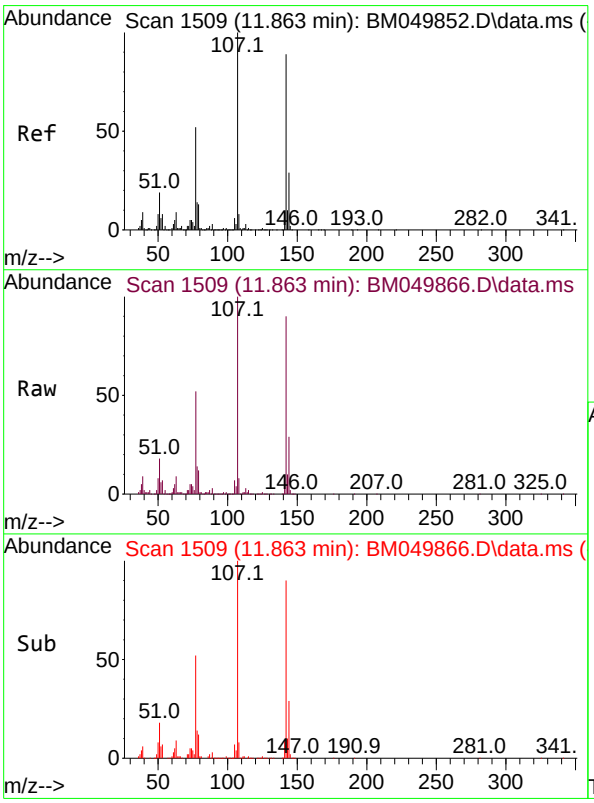
#35
Caprolactam
Concen: 49.739 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:113 Resp: 247722

Ion	Ratio	Lower	Upper
113	100		
55	143.6	124.3	164.3
56	109.4	87.5	127.5

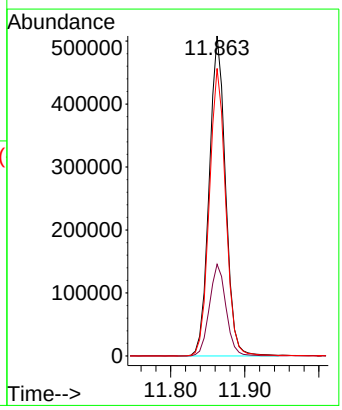


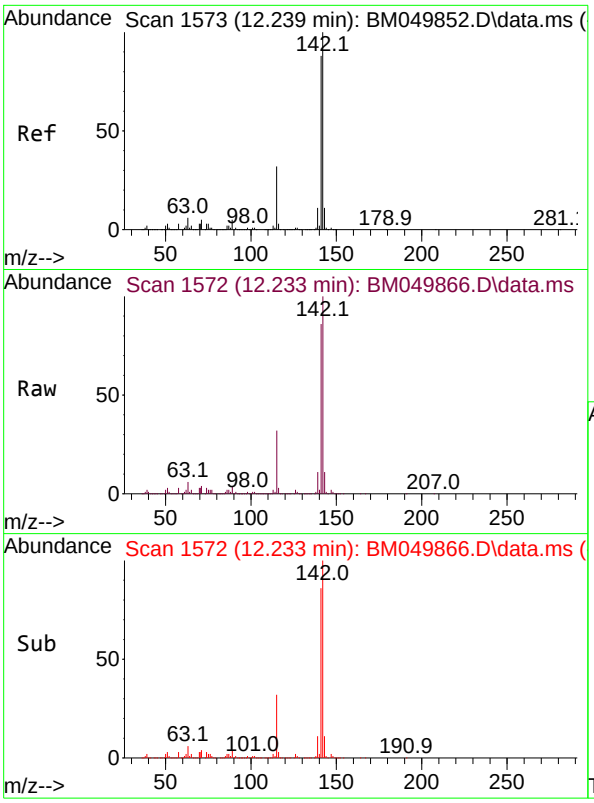


#36
4-Chloro-3-methylphenol
Concen: 51.063 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:107 Resp: 776696

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.6	35.4
142	89.9	71.4	107.0



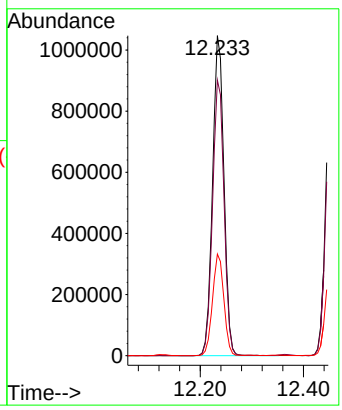


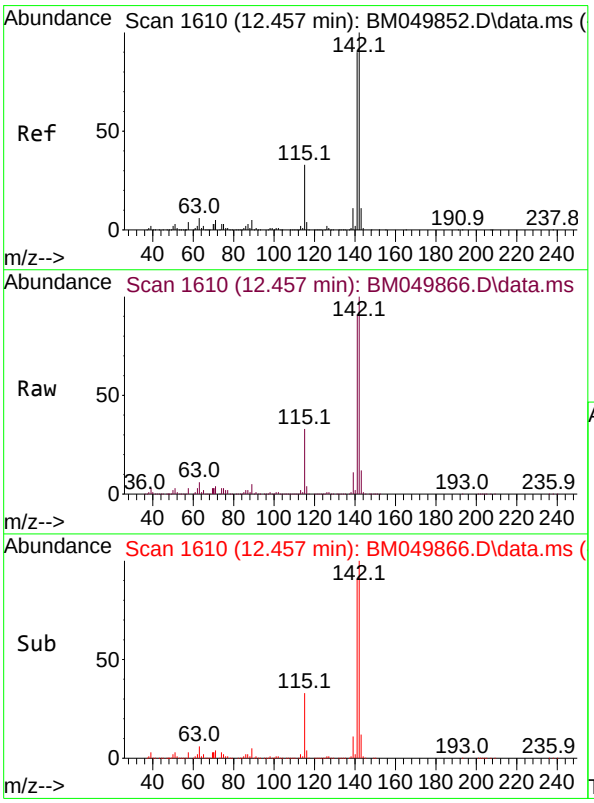
#37
2-Methylnaphthalene
Concen: 43.805 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:142 Resp: 1595016

Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.2	105.2
115	31.8	25.4	38.2

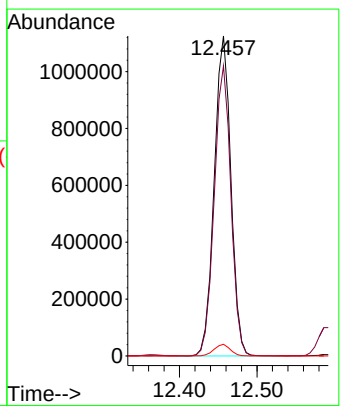


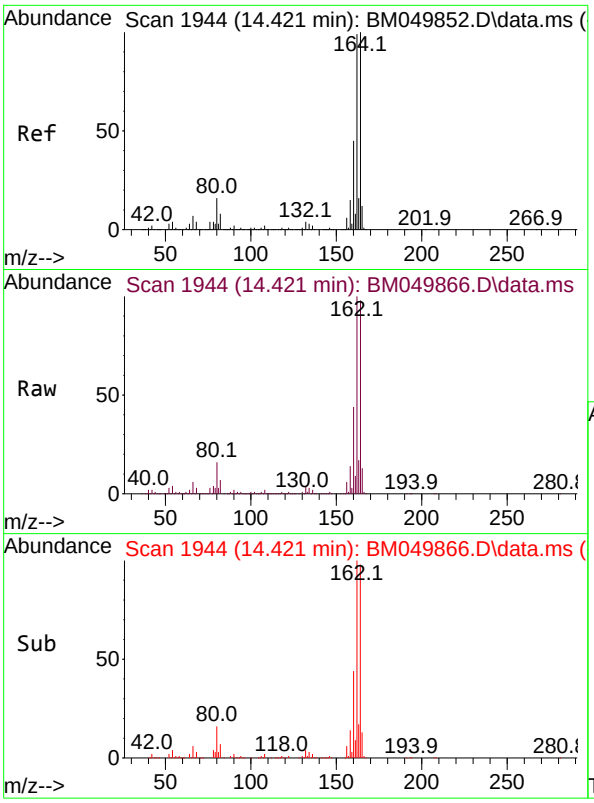


#38
1-Methylnaphthalene
Concen: 47.320 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:142 Resp: 1678627

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.2	108.2
116	3.7	2.9	4.3



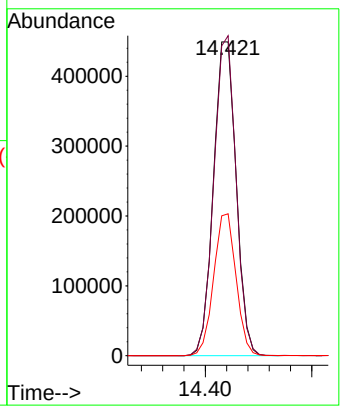


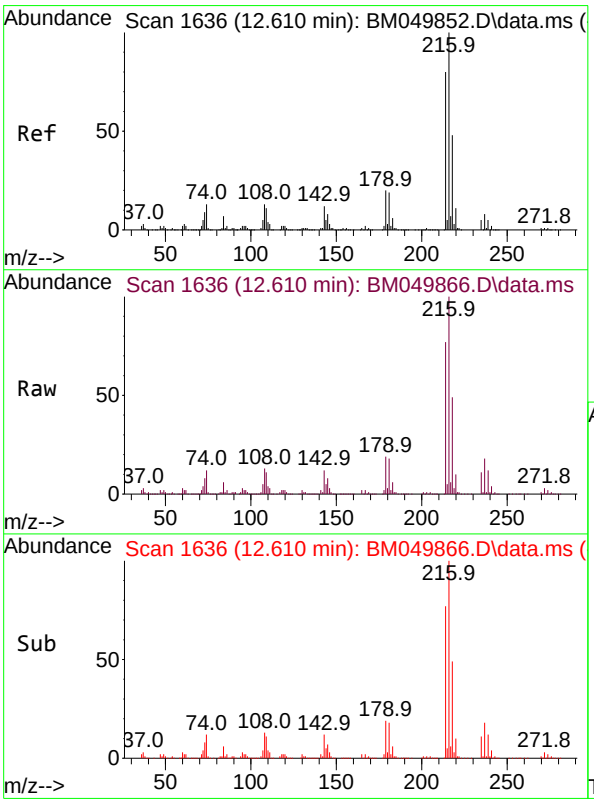
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:164 Resp: 663787

Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.4	119.0
160	45.2	36.2	54.2

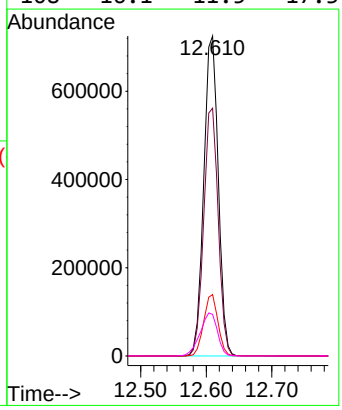


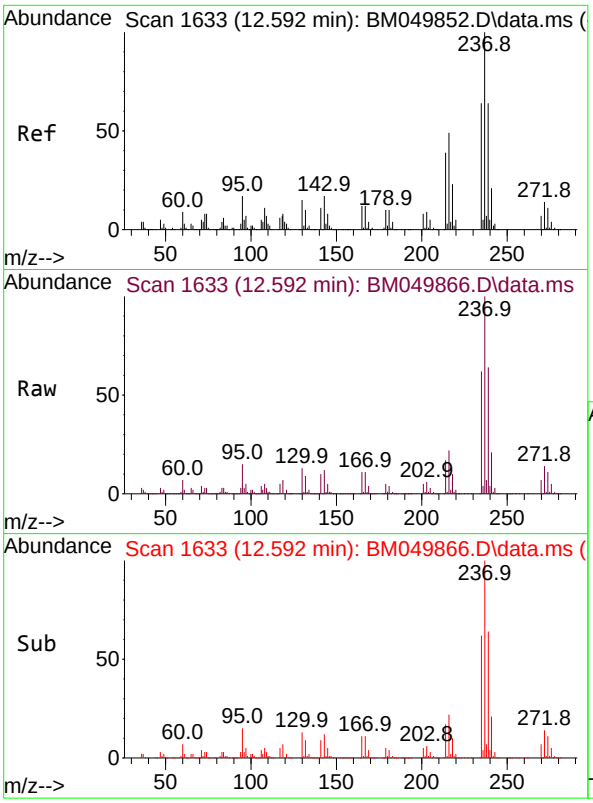


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.115 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:216 Resp: 1117353

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.2	94.8
179	18.9	15.8	23.6
108	16.1	11.5	17.3



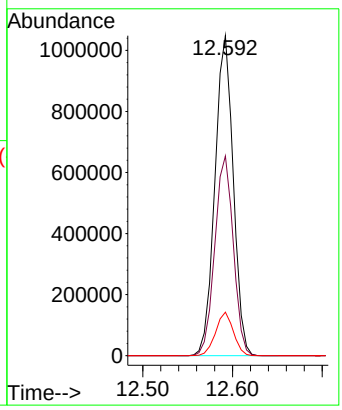


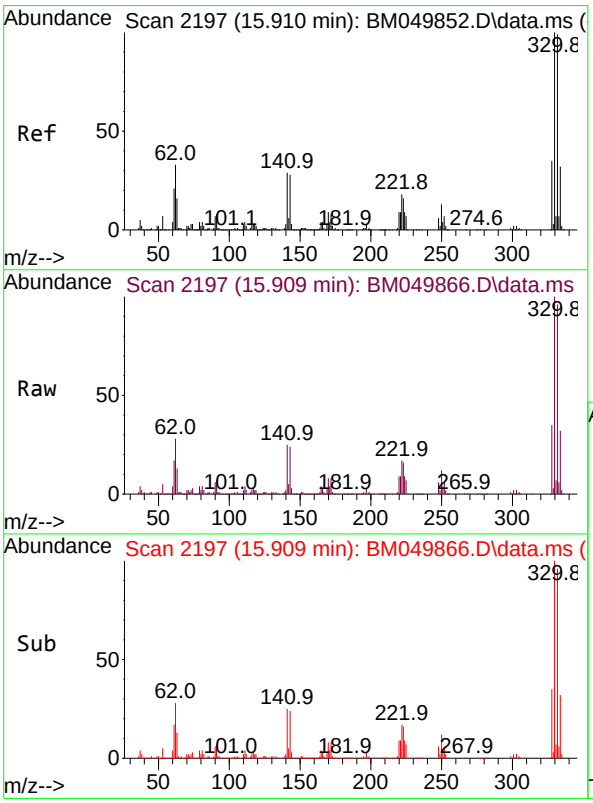
#41
Hexachlorocyclopentadiene
Concen: 182.669 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:237 Resp: 1486422

Ion	Ratio	Lower	Upper
237	100		
235	62.4	43.7	83.7
272	13.6	0.0	33.5

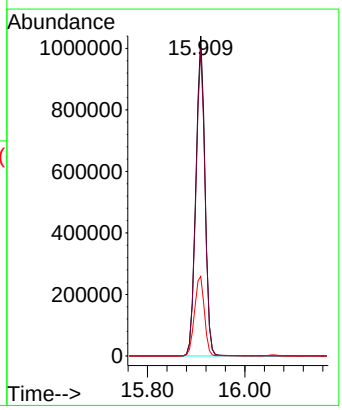


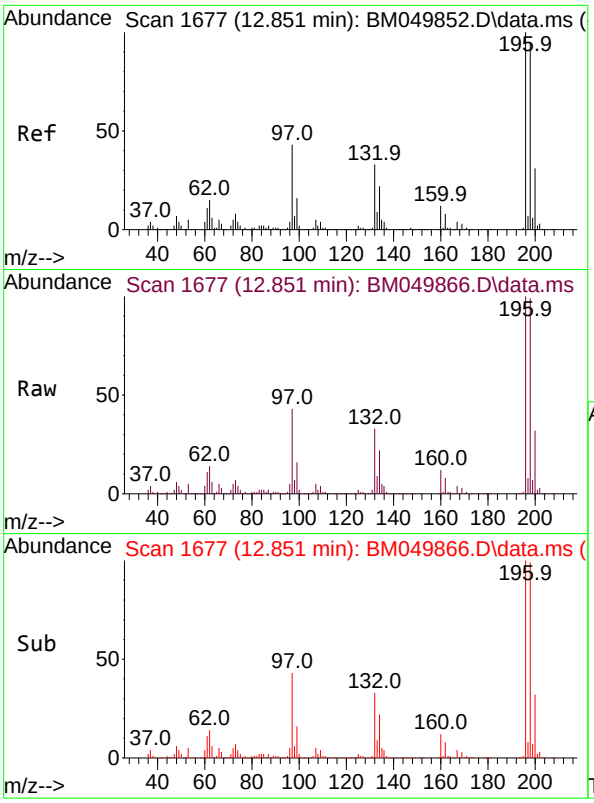


#42
2,4,6-Tribromophenol
Concen: 140.587 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:330 Resp: 1357374

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.0	117.0
141	27.1	23.5	35.3



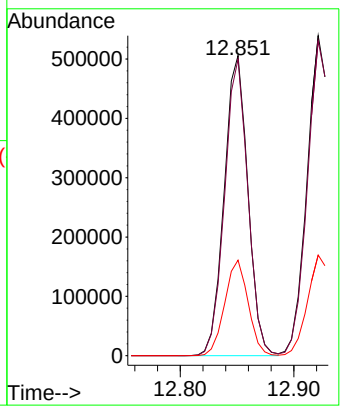


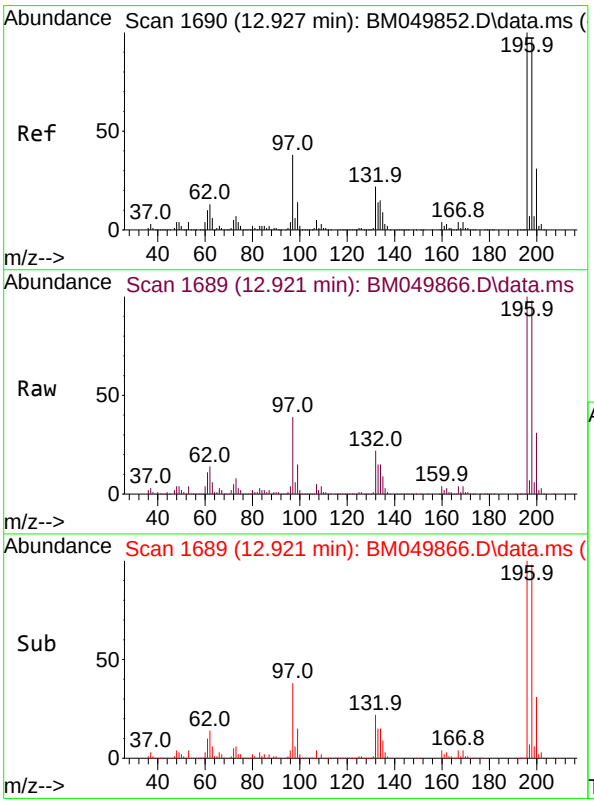
#43
2,4,6-Trichlorophenol
Concen: 49.674 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:196 Resp: 734045

Ion	Ratio	Lower	Upper
196	100		
198	98.8	76.1	114.1
200	31.8	24.7	37.1

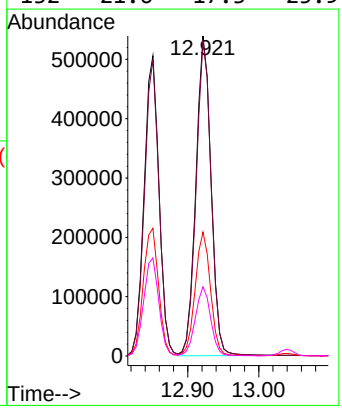


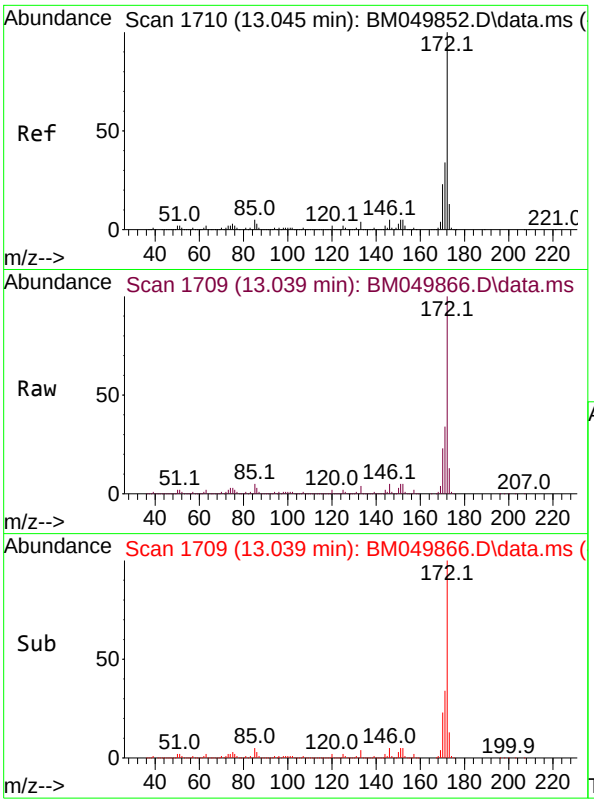


#44
2,4,5-Trichlorophenol
Concen: 50.122 ng
RT: 12.921 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:196 Resp: 804889

Ion	Ratio	Lower	Upper
196	100		
198	98.4	77.7	116.5
97	38.7	30.3	45.5
132	21.6	17.3	25.9



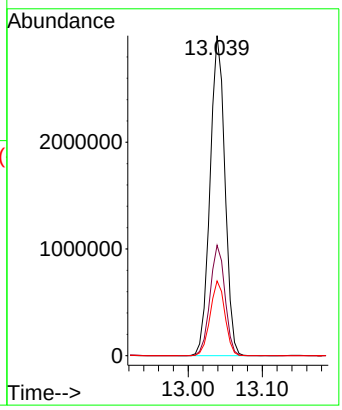


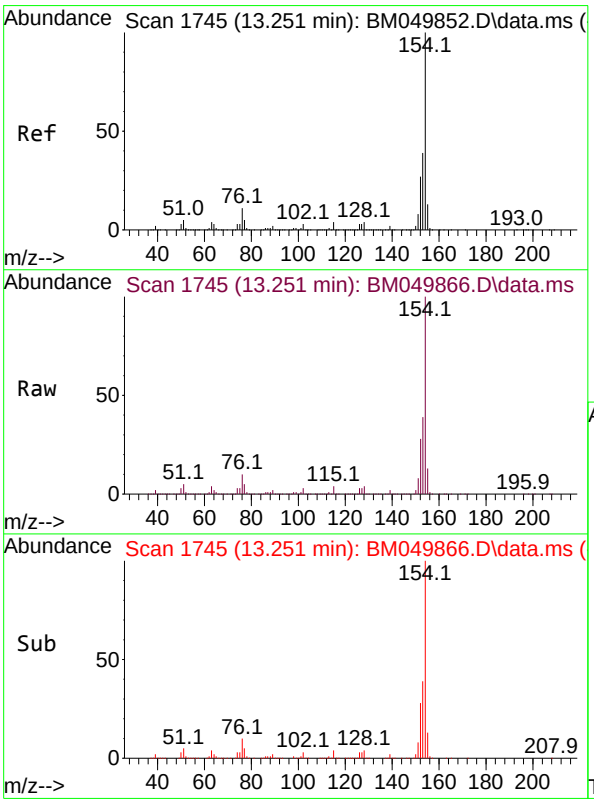
#45
2-Fluorobiphenyl
Concen: 85.197 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:172 Resp: 4170498

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	23.4	18.6	28.0

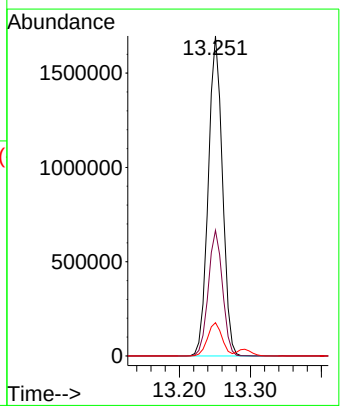


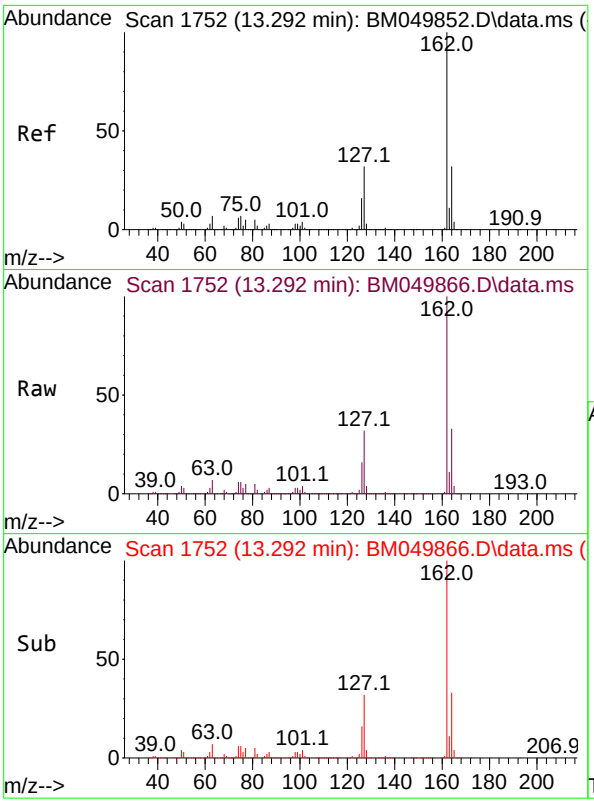


#46
1,1'-Biphenyl
Concen: 47.618 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:154 Resp: 2349677

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.3	59.3
76	10.4	0.0	30.7



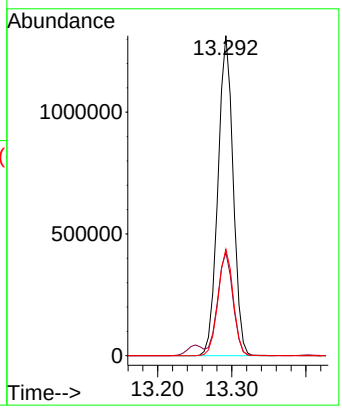


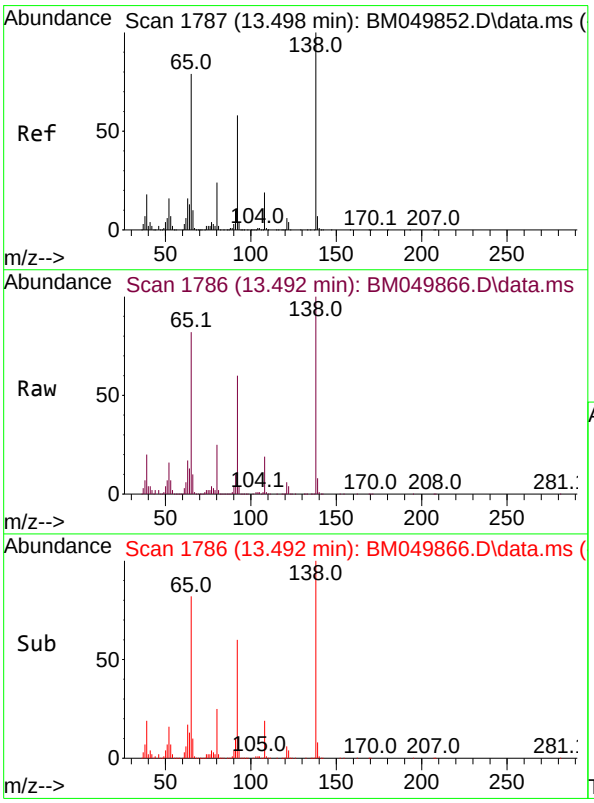
#47
2-Chloronaphthalene
Concen: 48.265 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:162 Resp: 1871890

Ion	Ratio	Lower	Upper
162	100		
127	32.2	26.0	39.0
164	33.3	25.9	38.9

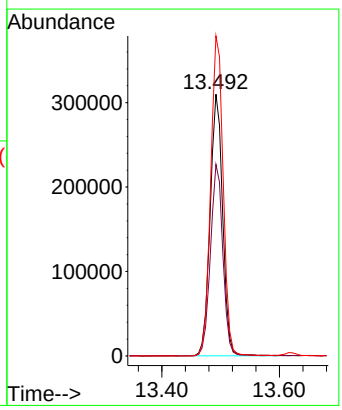


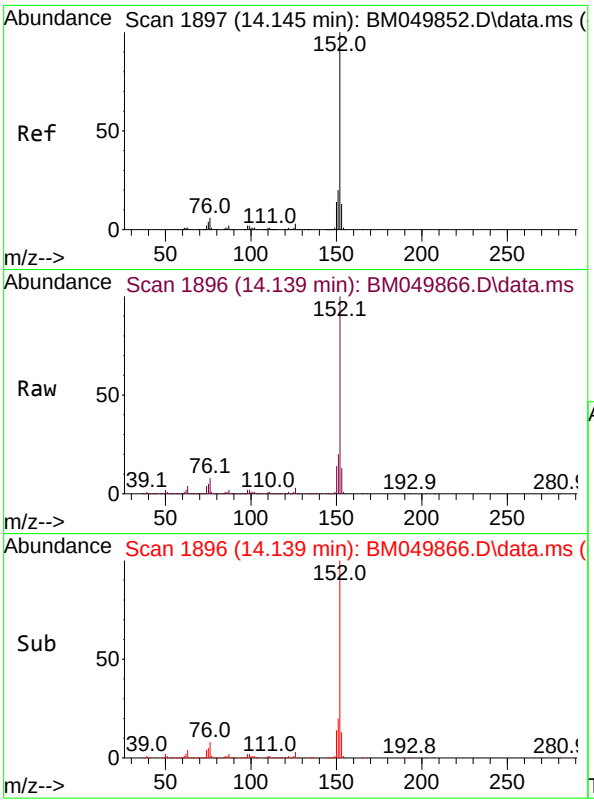


#48
2-Nitroaniline
Concen: 50.860 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion: 65 Resp: 456335

Ion	Ratio	Lower	Upper
65	100		
92	73.1	58.4	87.6
138	122.2	100.8	151.2



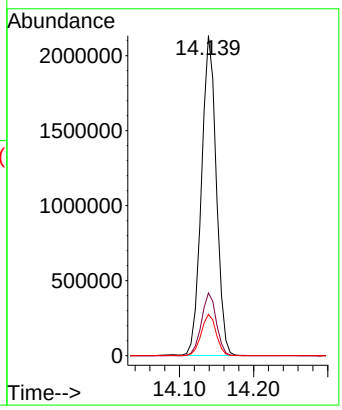


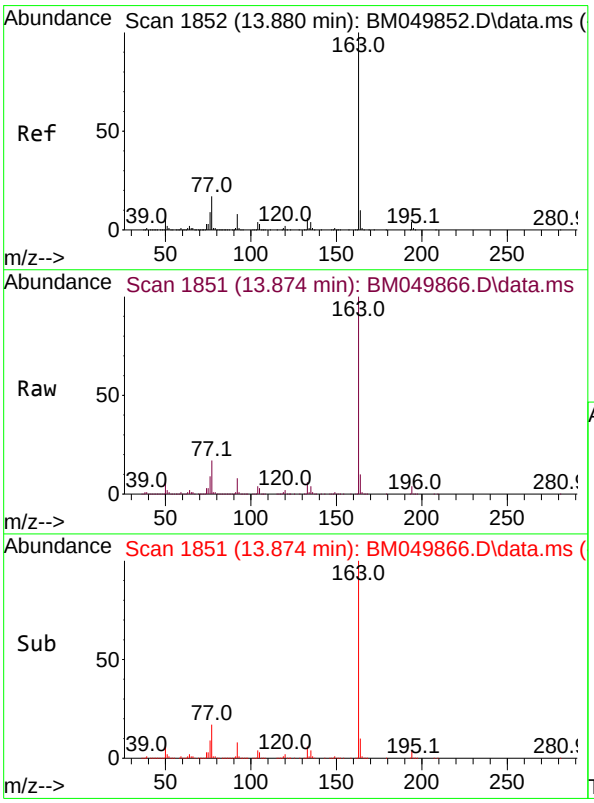
#49
Acenaphthylene
Concen: 52.609 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:152 Resp: 2972105

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	12.9	10.4	15.6

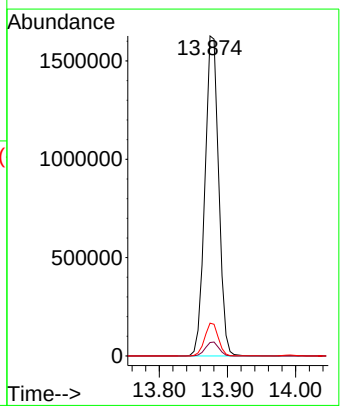


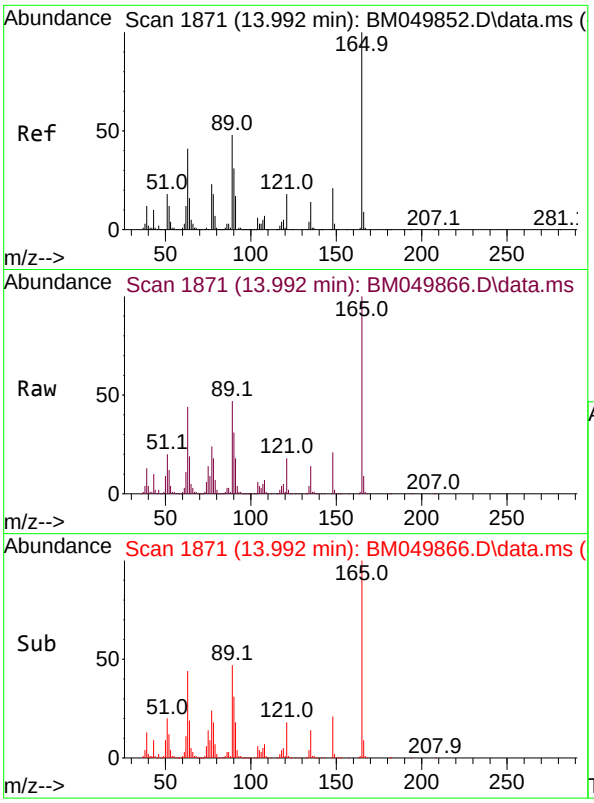


#50
Dimethylphthalate
Concen: 48.754 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:163 Resp: 2283140

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.2	7.9	11.9



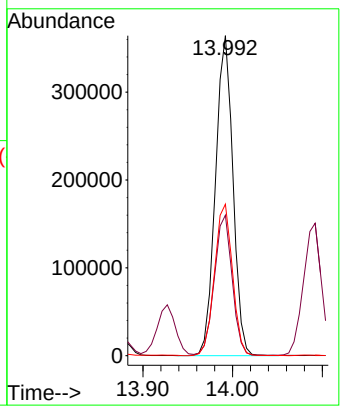


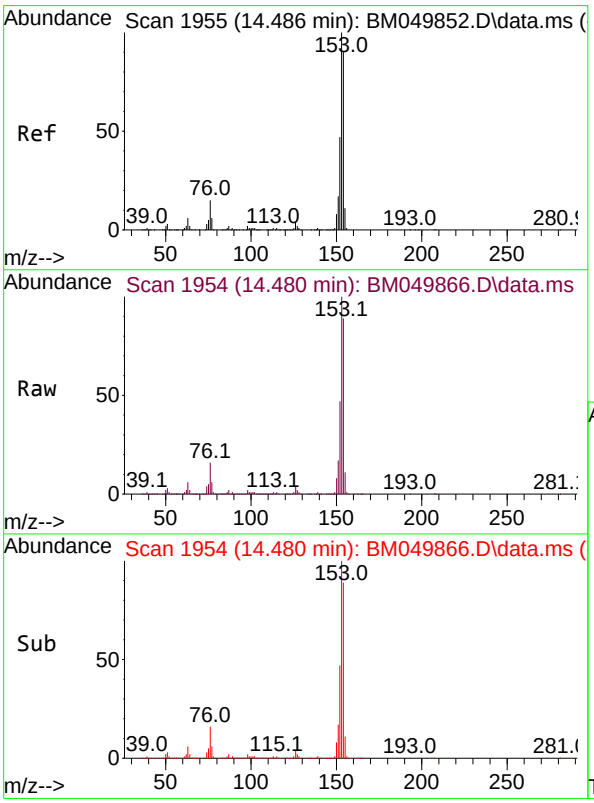
#51
2,6-Dinitrotoluene
Concen: 50.195 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:165 Resp: 492479

Ion	Ratio	Lower	Upper
165	100		
63	43.9	36.1	54.1
89	47.4	38.3	57.5

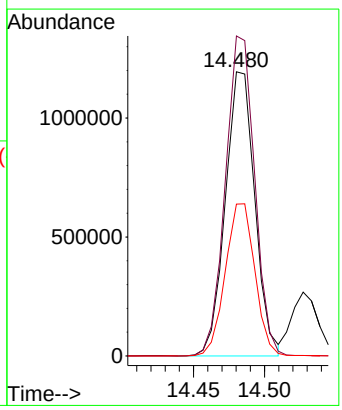


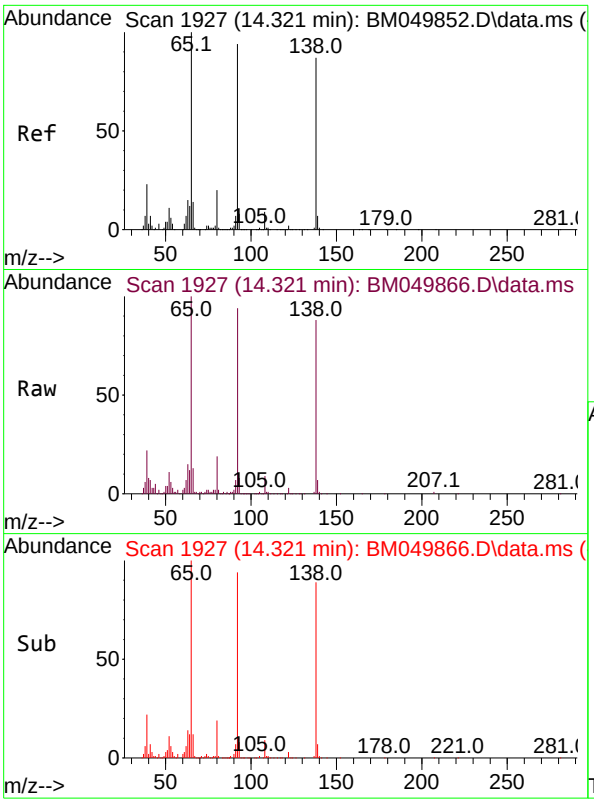


#52
Acenaphthene
Concen: 47.994 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:154 Resp: 1724643

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.3	133.9
152	53.4	42.2	63.2



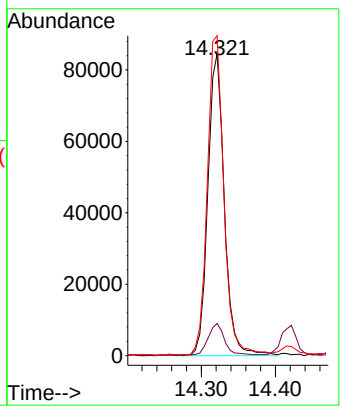


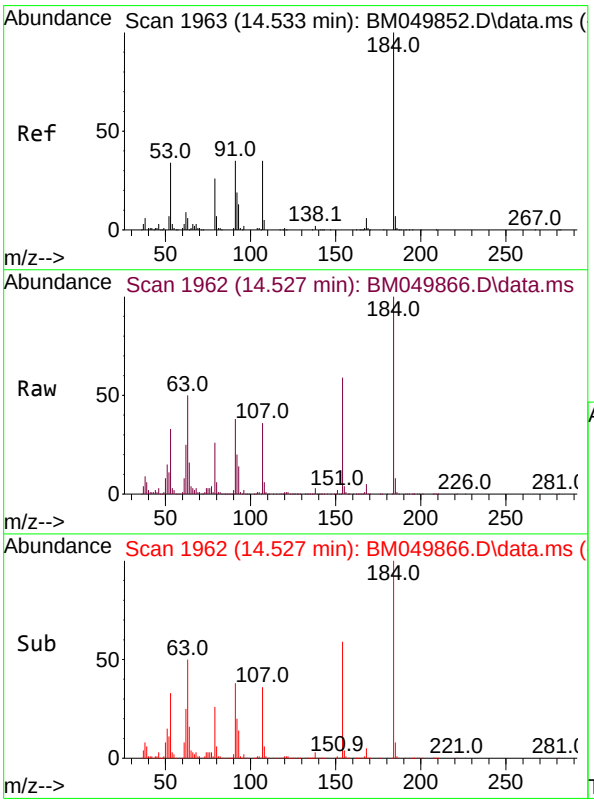
#53
3-Nitroaniline
Concen: 13.777 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:138 Resp: 130642

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	106.0	86.5	129.7

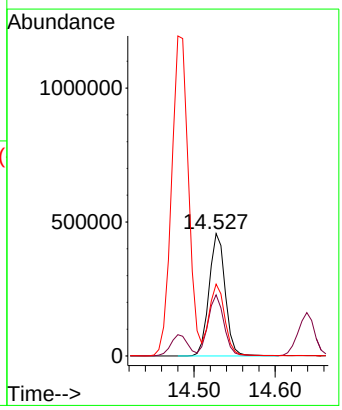


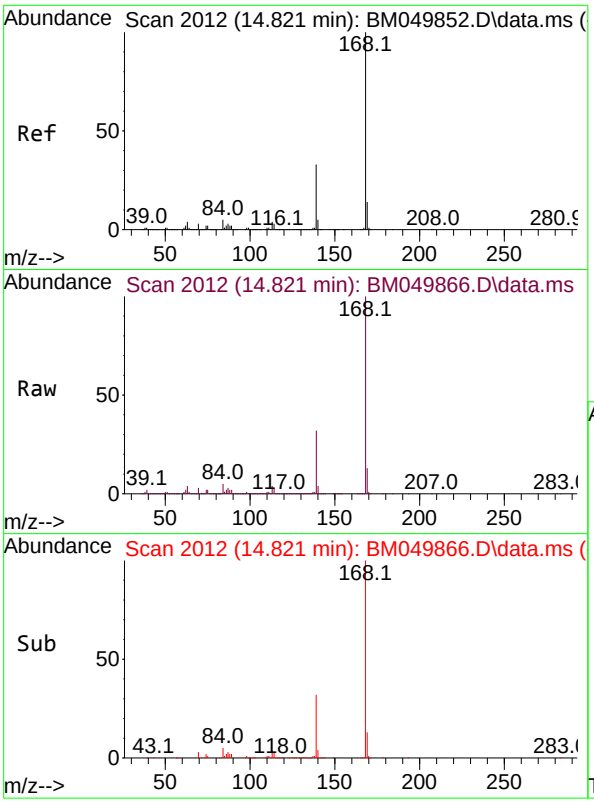


#54
2,4-Dinitrophenol
Concen: 87.809 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:184 Resp: 629408

Ion	Ratio	Lower	Upper
184	100		
63	50.0	38.4	57.6
154	58.7	48.1	72.1



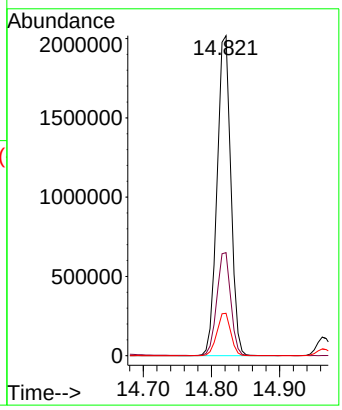


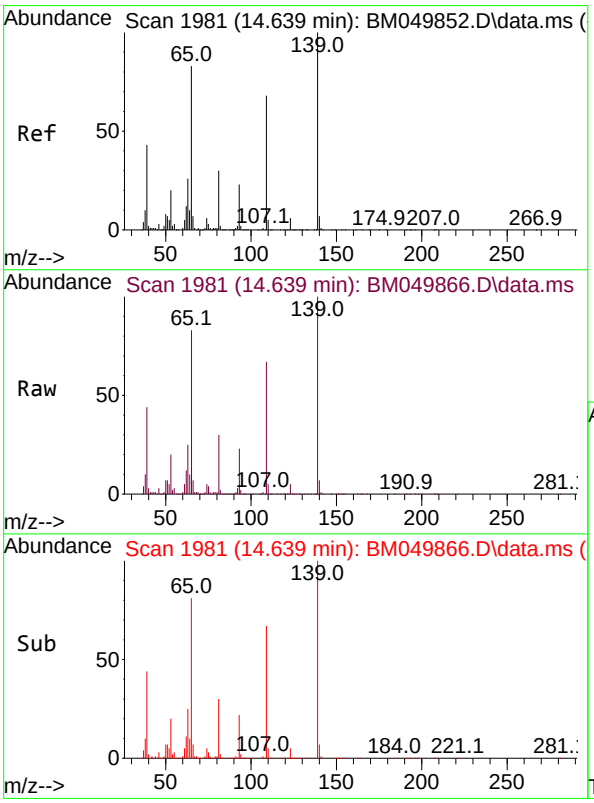
#55
Dibenzofuran
Concen: 47.217 ng
RT: 14.821 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:168 Resp: 2836442

Ion	Ratio	Lower	Upper
168	100		
139	32.2	26.6	39.8
169	13.3	11.0	16.4

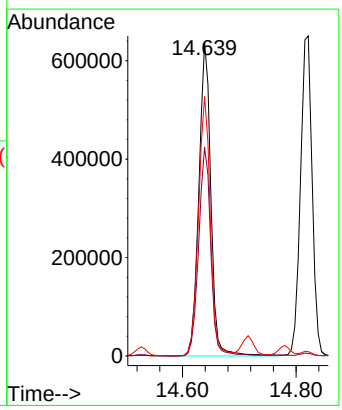


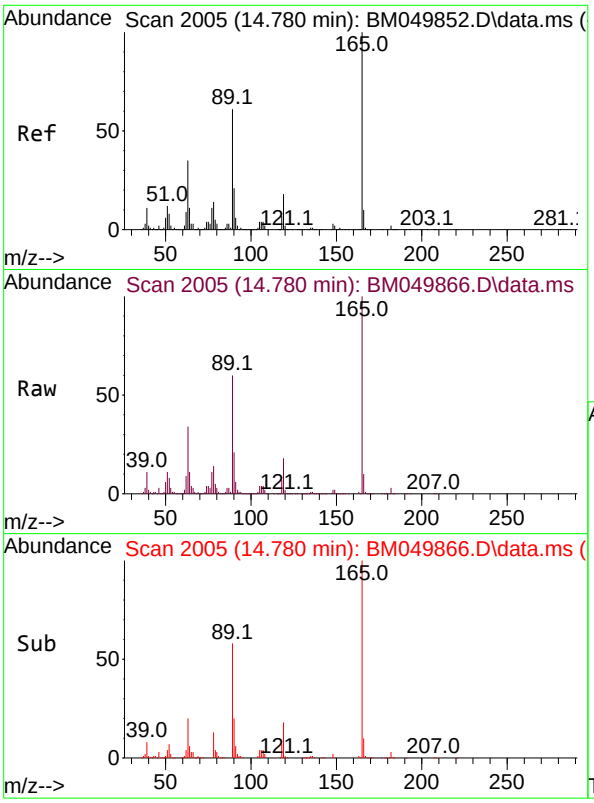


#56
4-Nitrophenol
Concen: 110.572 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:139 Resp: 934371

Ion	Ratio	Lower	Upper
139	100		
109	66.6	47.9	87.9
65	82.8	62.7	102.7



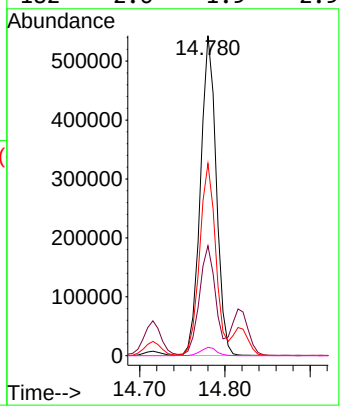


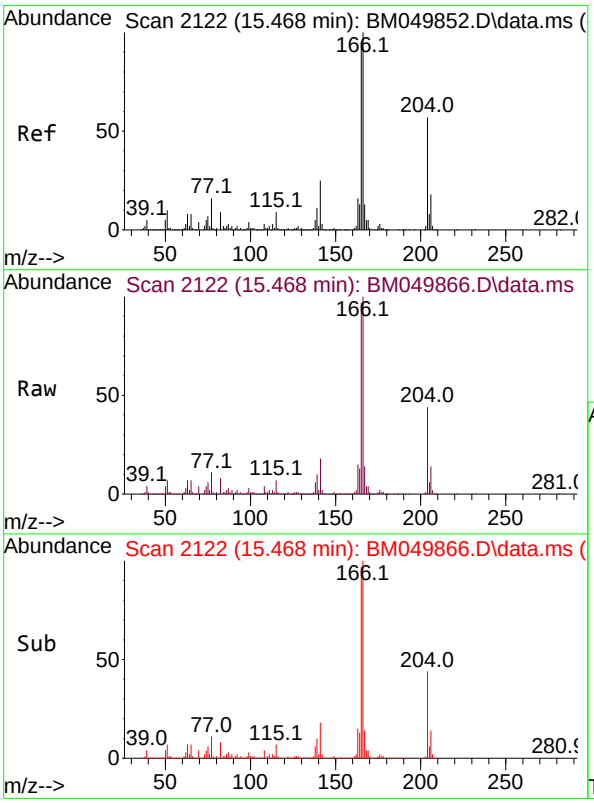
#57
2,4-Dinitrotoluene
Concen: 53.380 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:165 Resp: 698694

Ion	Ratio	Lower	Upper
165	100		
63	34.4	28.6	42.8
89	60.1	49.0	73.6
182	2.6	1.9	2.9

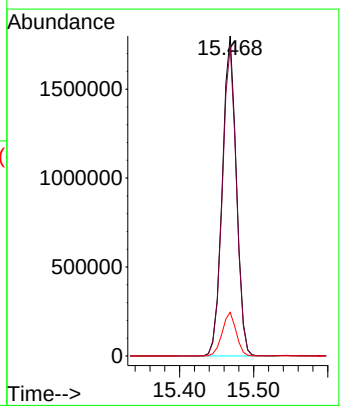


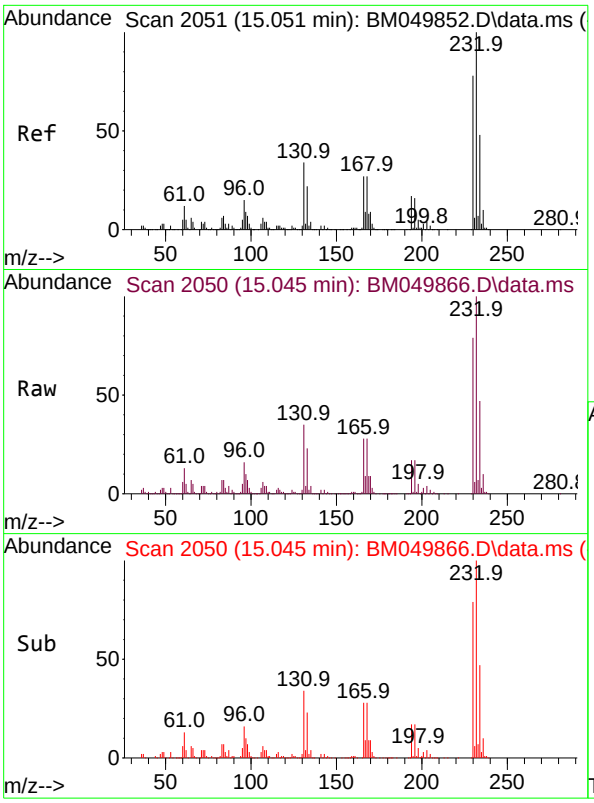


#58
Fluorene
Concen: 49.757 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:166 Resp: 2375933

Ion	Ratio	Lower	Upper
166	100		
165	96.8	76.3	114.5
167	13.7	10.7	16.1



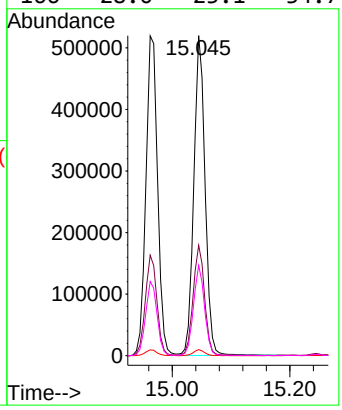


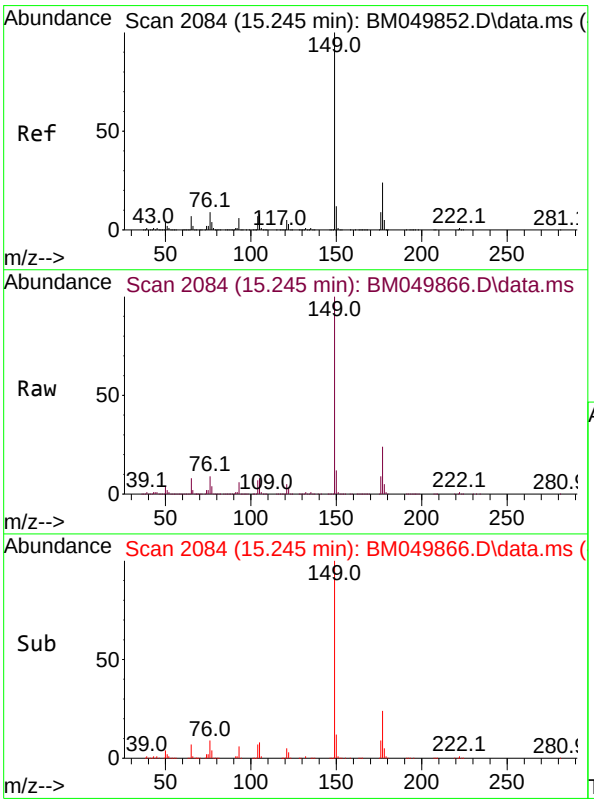
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.194 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:232 Resp: 692400

Ion	Ratio	Lower	Upper
232	100		
131	34.9	28.4	42.6
130	1.9	1.6	2.4
166	28.0	23.1	34.7

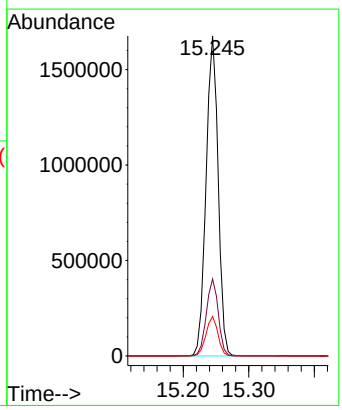


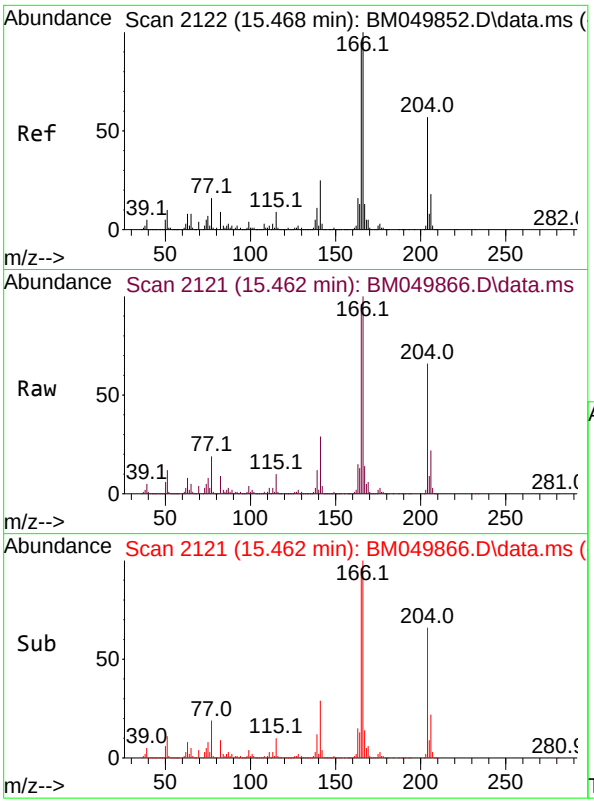


#60
Diethylphthalate
Concen: 47.838 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:149 Resp: 2148314

Ion	Ratio	Lower	Upper
149	100		
177	24.1	19.0	28.4
150	12.3	9.7	14.5



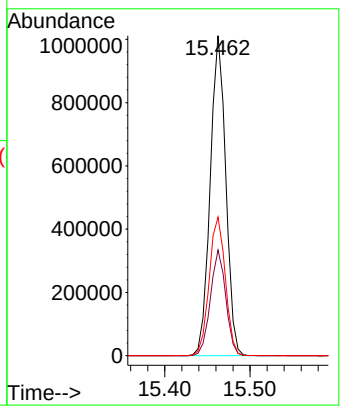


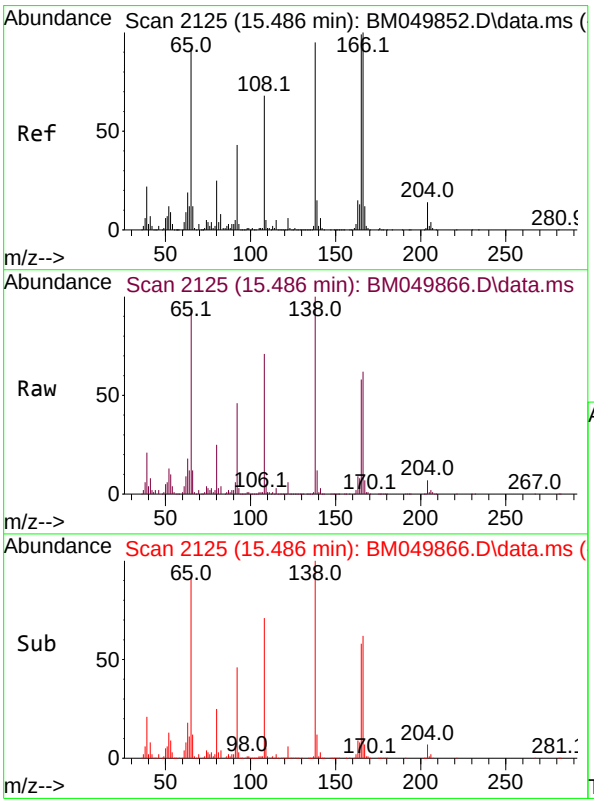
#61
4-Chlorophenyl-phenylether
Concen: 50.036 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:204 Resp: 1280962

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	43.3	35.0	52.6

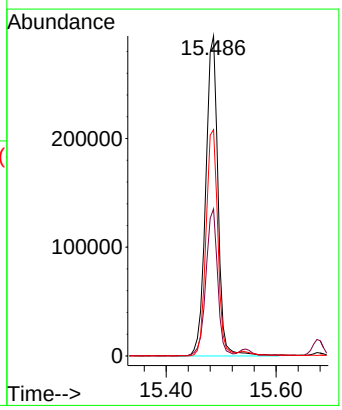


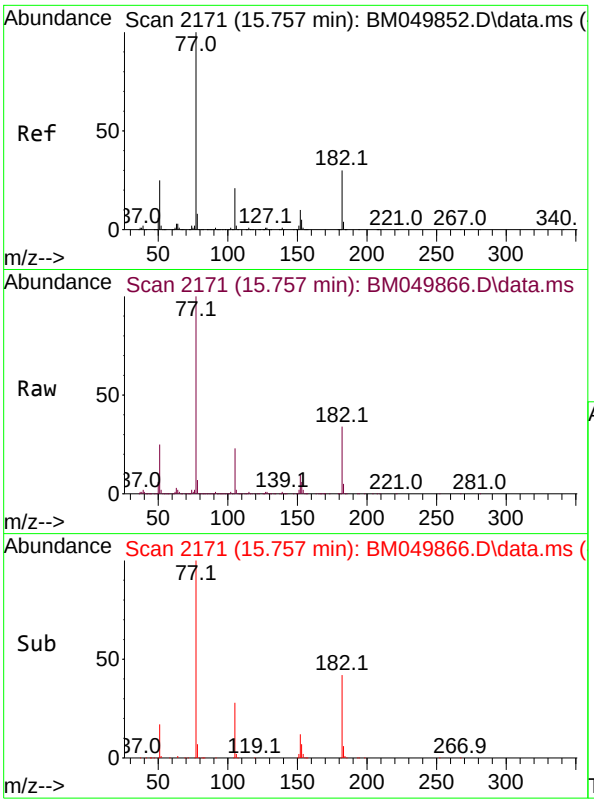


#62
4-Nitroaniline
Concen: 46.478 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:138 Resp: 455783

Ion	Ratio	Lower	Upper
138	100		
92	46.0	24.9	64.9
108	70.7	51.7	91.7



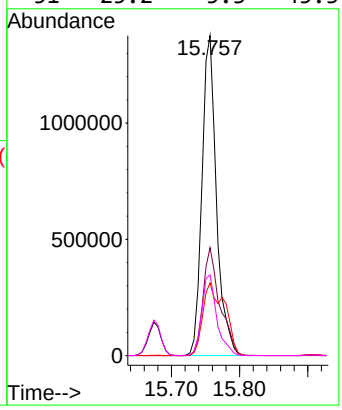


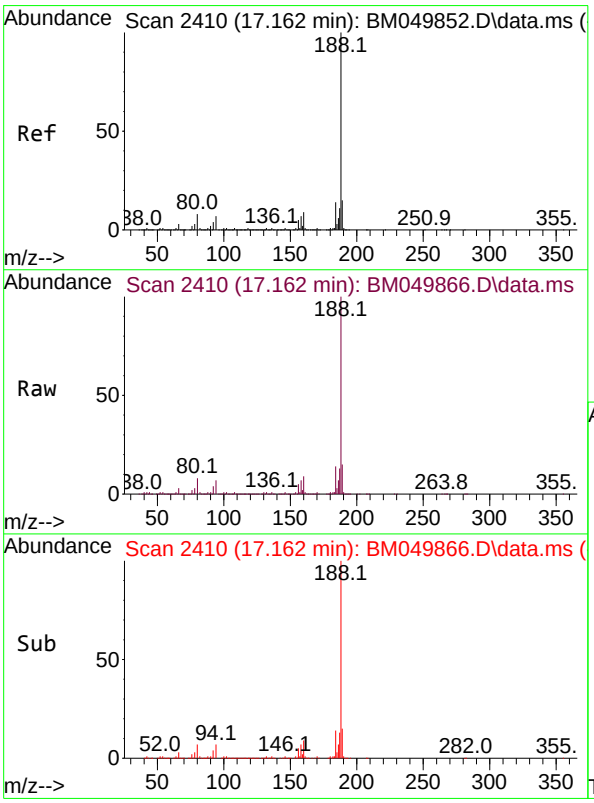
#63
Azobenzene
Concen: 52.794 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion: 77 Resp: 2029859

Ion	Ratio	Lower	Upper
77	100		
182	33.8	10.4	50.4
105	22.7	1.5	41.5
51	25.2	5.3	45.3

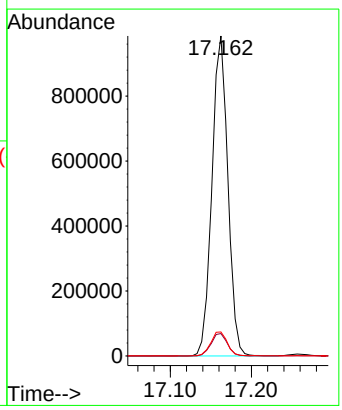


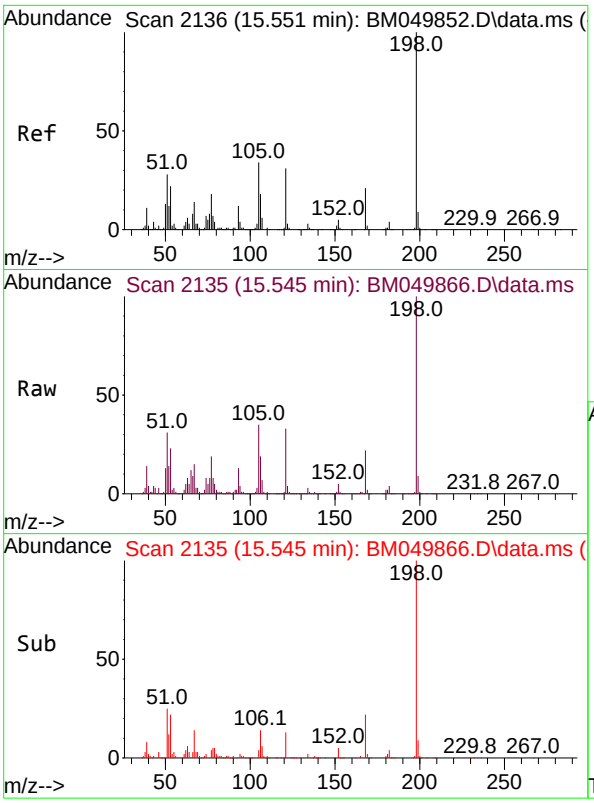


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:188 Resp: 1342339

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.5	6.4	9.6



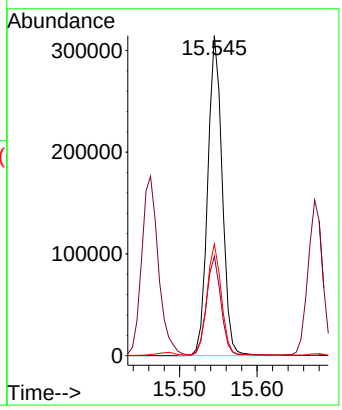


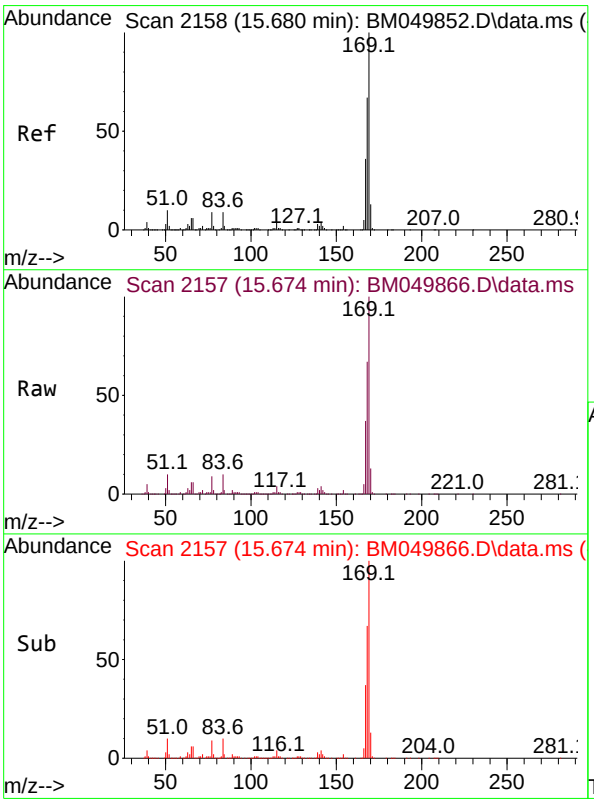
#65
4,6-Dinitro-2-methylphenol
Concen: 48.087 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:198 Resp: 406755

Ion	Ratio	Lower	Upper
198	100		
51	31.1	9.6	49.6
105	34.9	14.7	54.7

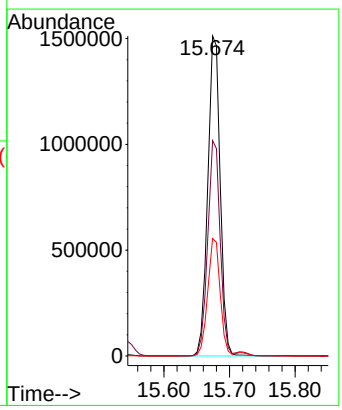


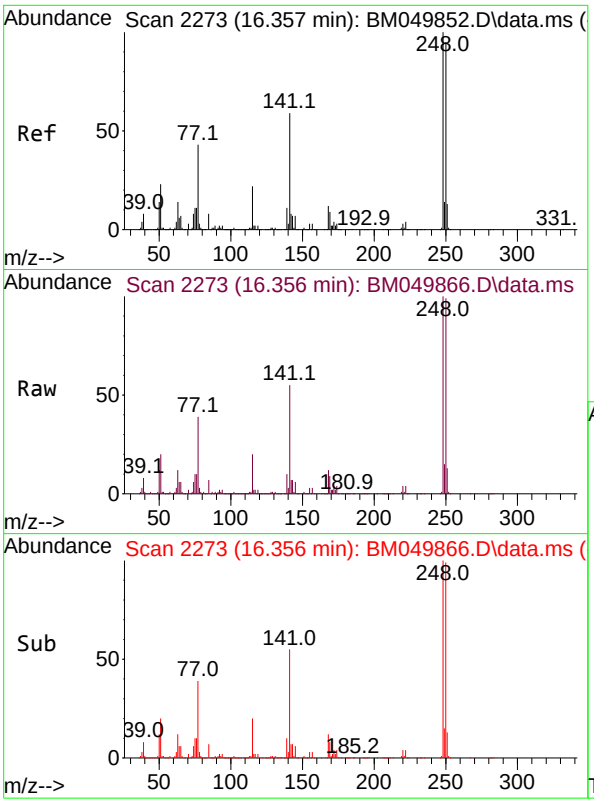


#66
n-Nitrosodiphenylamine
Concen: 49.632 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:169 Resp: 1993763

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.4	80.2
167	36.7	29.0	43.6



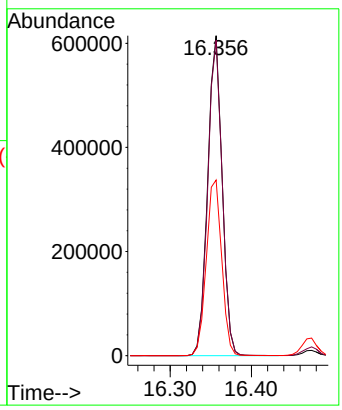


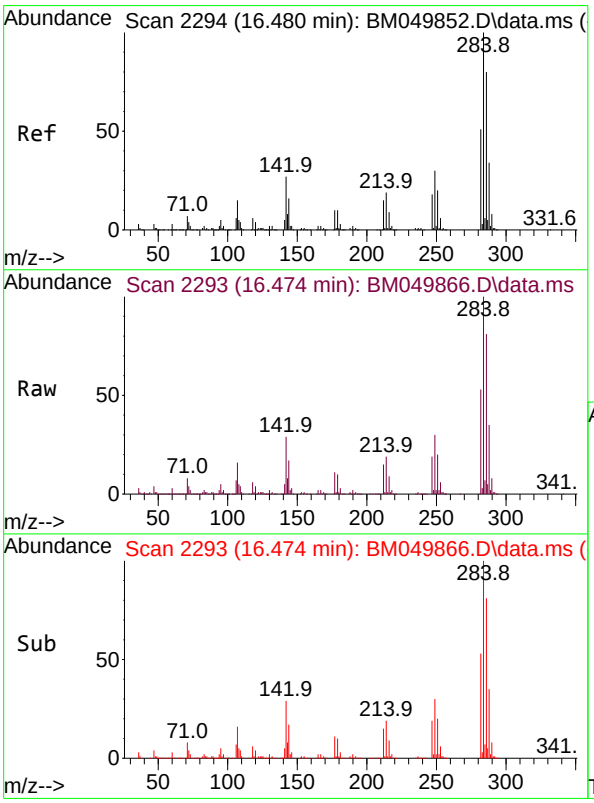
#67
4-Bromophenyl-phenylether
Concen: 48.699 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:248 Resp: 758871

Ion	Ratio	Lower	Upper
248	100		
250	98.6	76.2	114.2
141	54.9	47.3	70.9

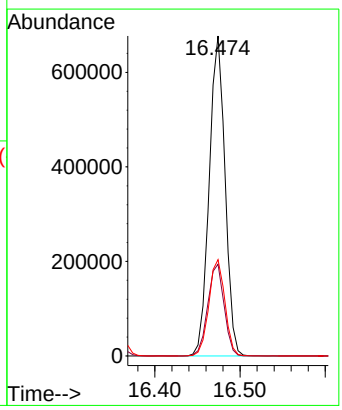


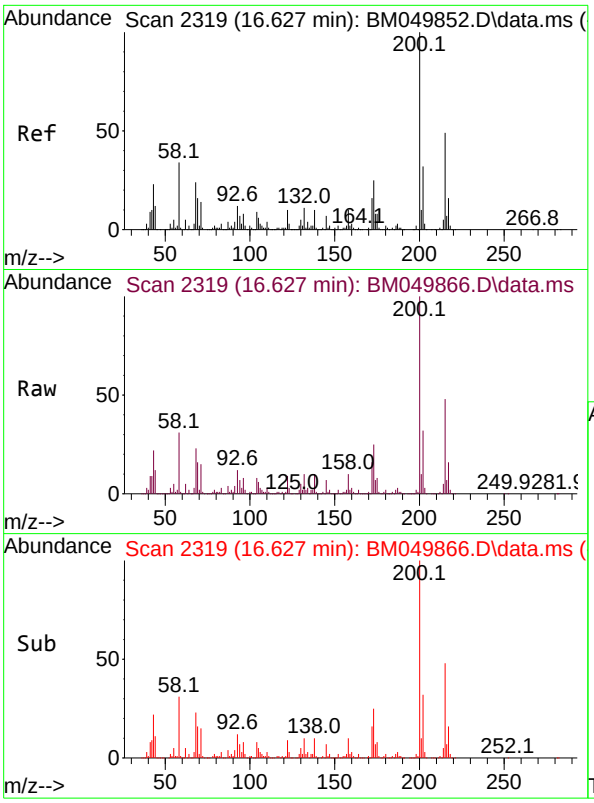


#68
Hexachlorobenzene
Concen: 48.940 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:284 Resp: 874754

Ion	Ratio	Lower	Upper
284	100		
142	28.7	21.2	31.8
249	30.1	24.1	36.1



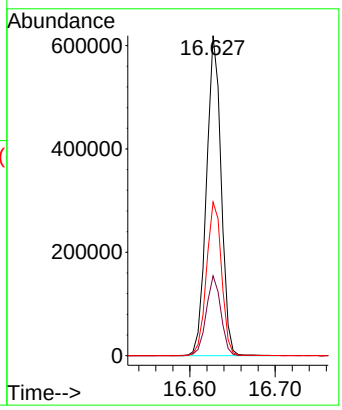


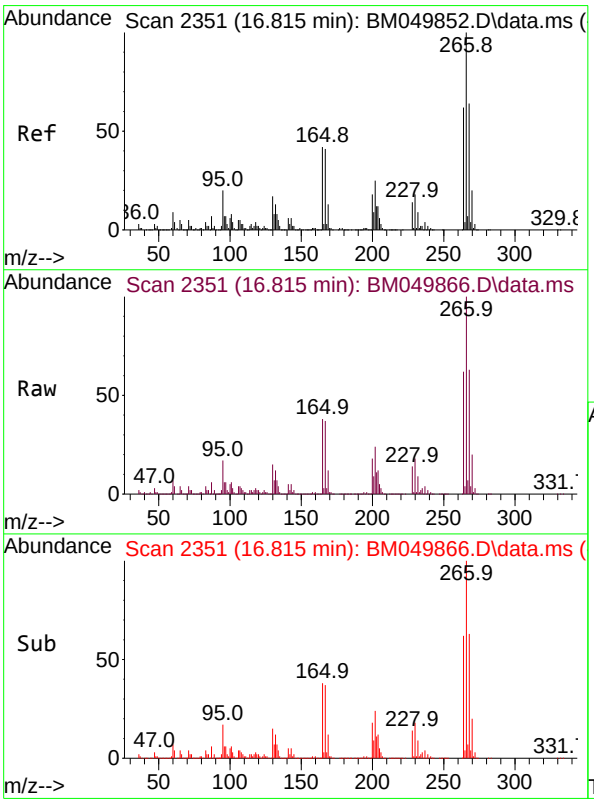
#69
Atrazine
Concen: 70.795 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:200 Resp: 737371

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.4	45.4
215	48.0	29.0	69.0

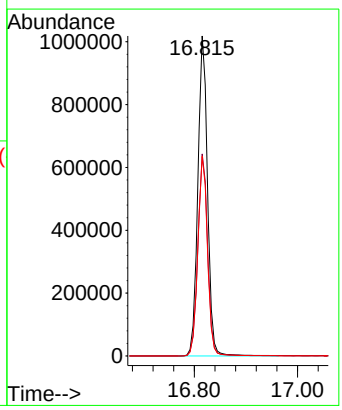


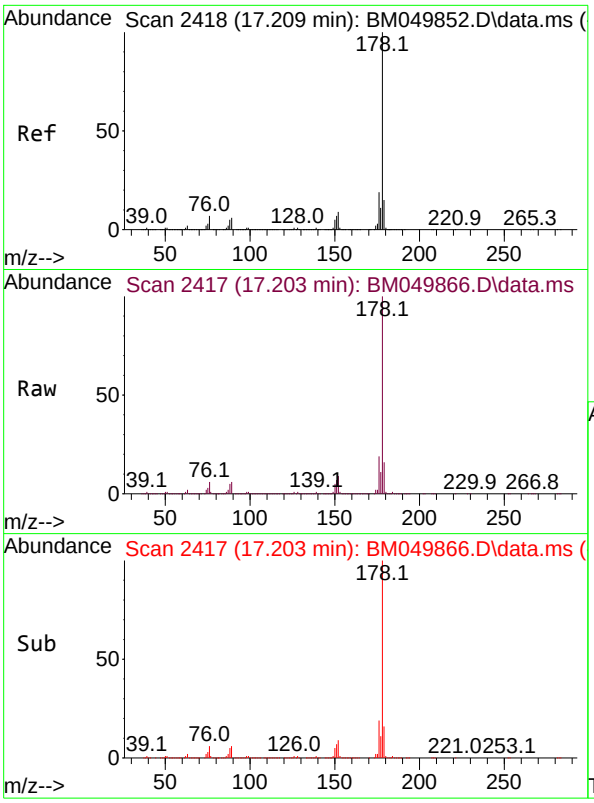


#70
Pentachlorophenol
Concen: 100.440 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:266 Resp: 1321712

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.4	77.2
264	62.4	49.8	74.8



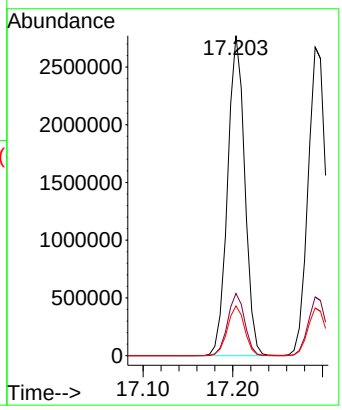


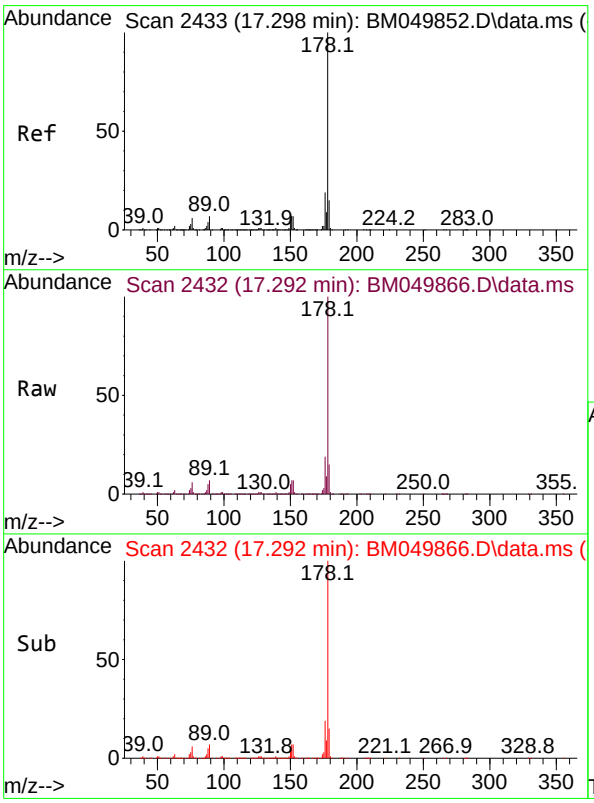
#71
Phenanthrene
Concen: 49.961 ng
RT: 17.203 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:178 Resp: 3676782

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.3	18.5

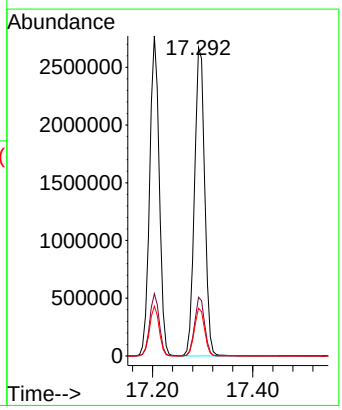


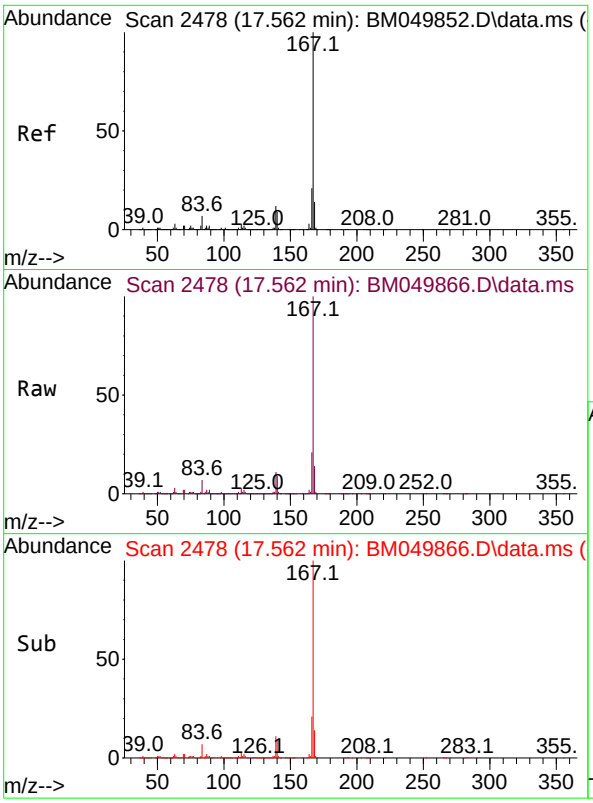


#72
Anthracene
Concen: 51.857 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:178 Resp: 3760847

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.5	12.4	18.6



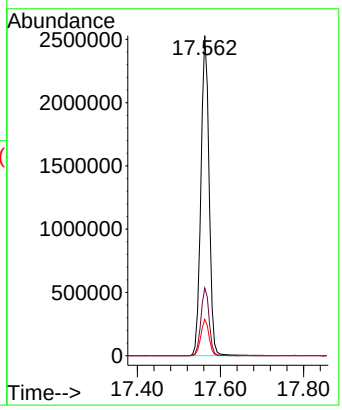


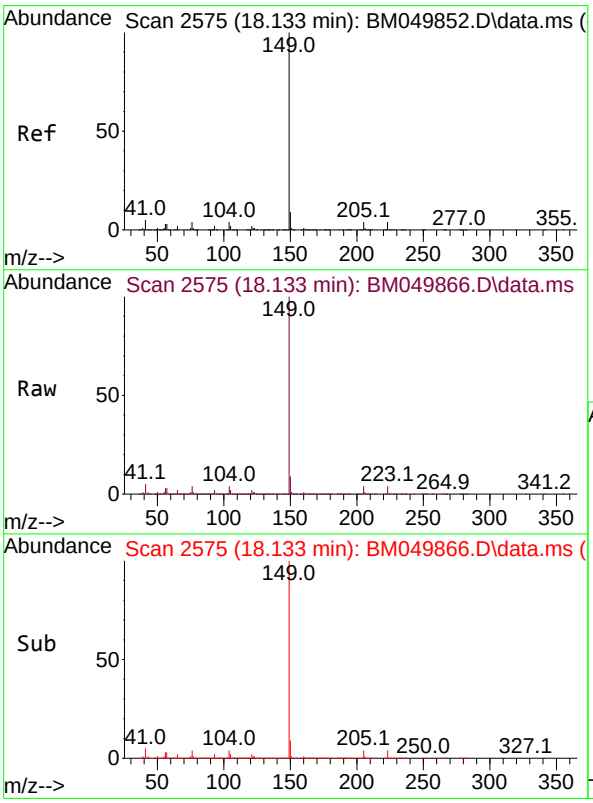
#73
Carbazole
Concen: 50.460 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:167 Resp: 3446827

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.4	9.3	13.9

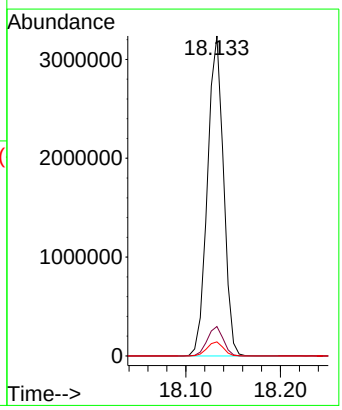


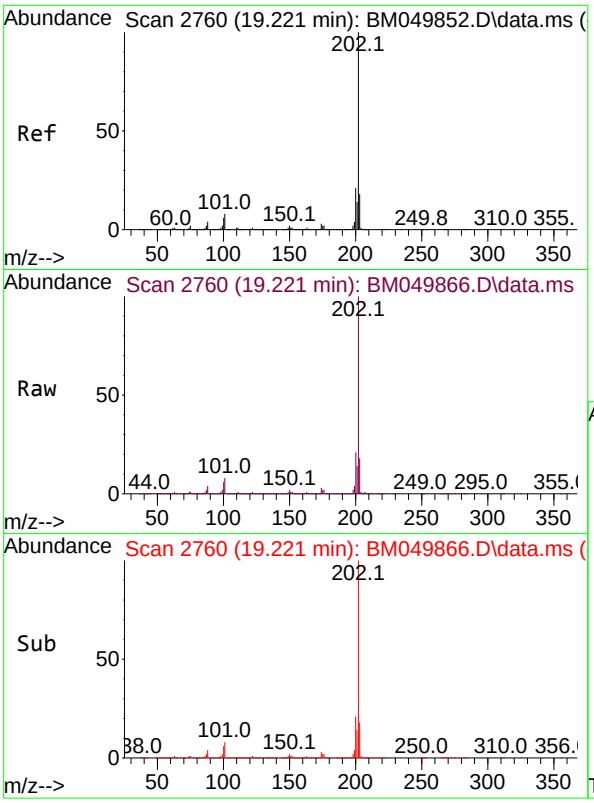


#74
Di-n-butylphthalate
Concen: 48.323 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:149 Resp: 3801949

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.4	3.5	5.3



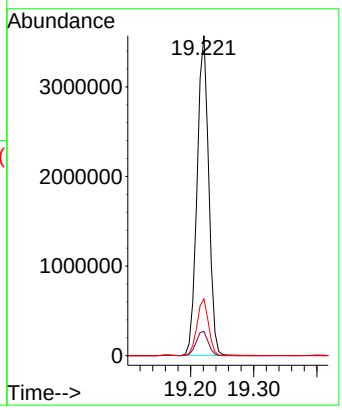


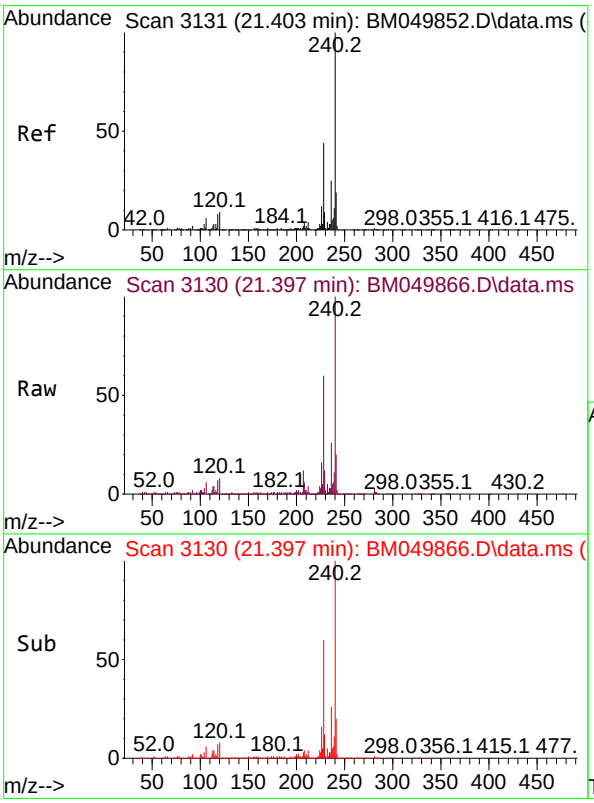
#75
Fluoranthene
Concen: 50.152 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:202 Resp: 4538028

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.4
203	17.8	0.0	37.8

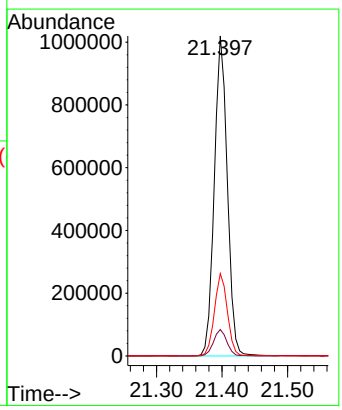


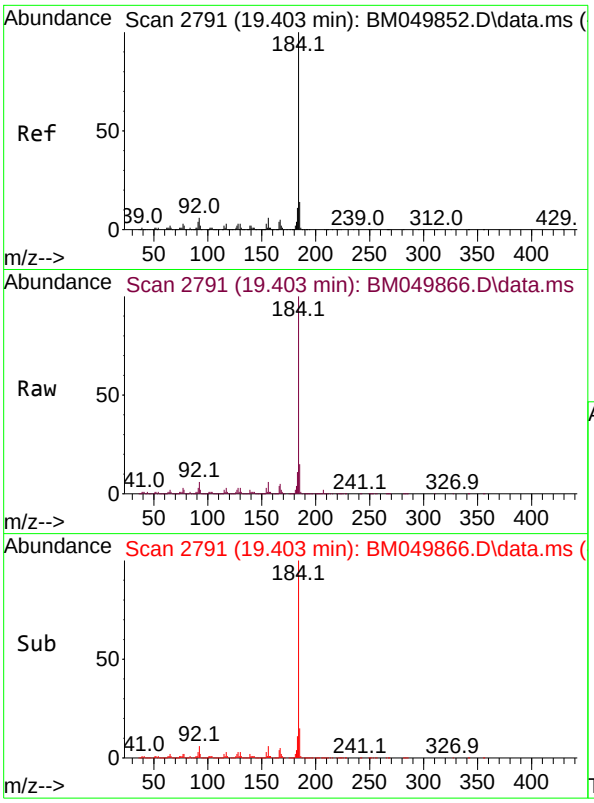


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:240 Resp: 1401873

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.9	10.3
236	25.7	20.4	30.6



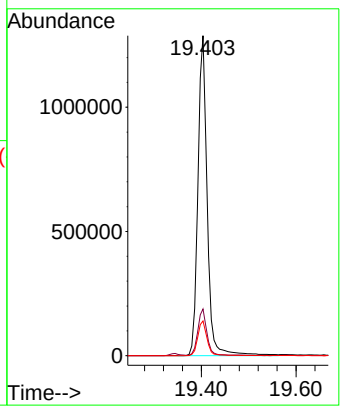


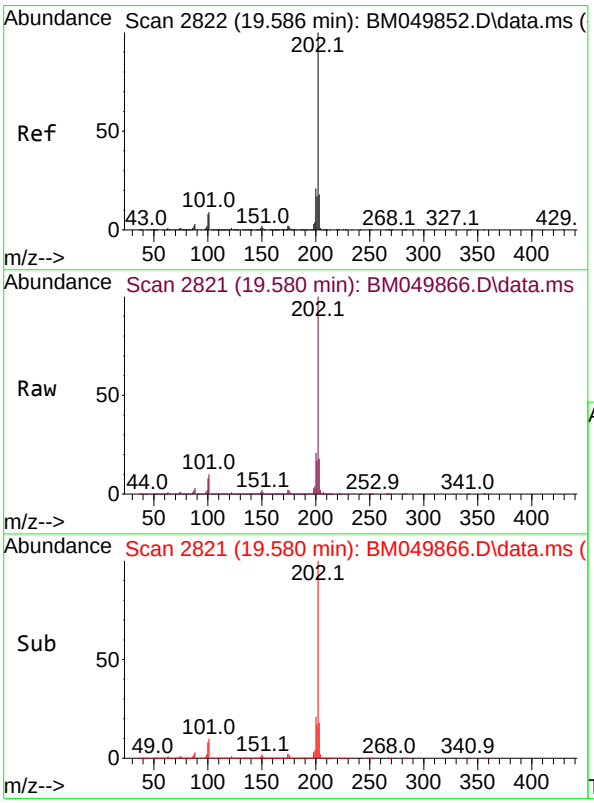
#77
Benzidine
Concen: 94.484 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:184 Resp: 1757189

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	10.9	8.8	13.2

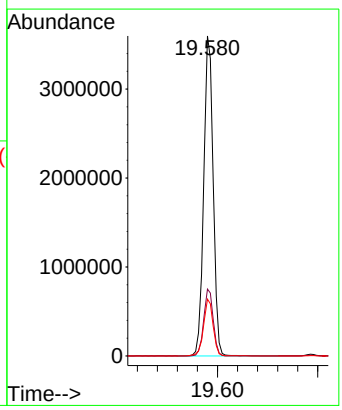


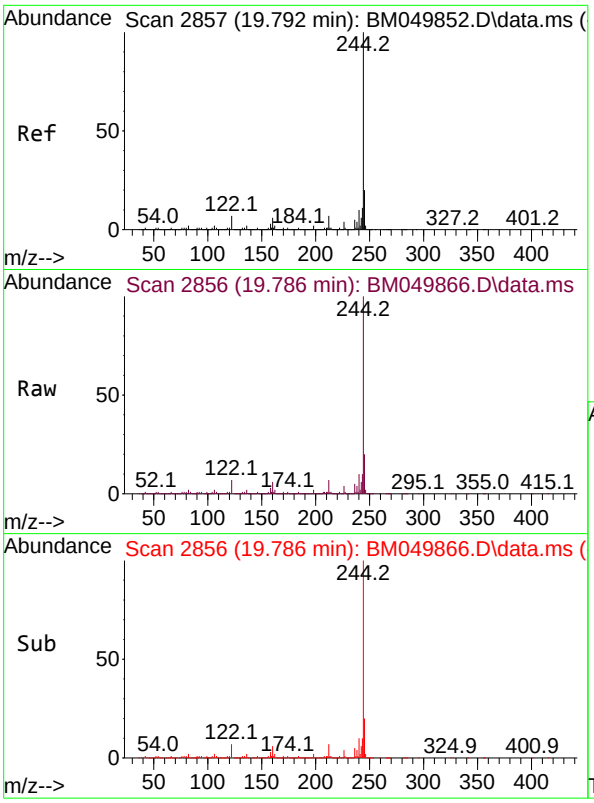


#78
Pyrene
Concen: 48.725 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:202 Resp: 4707504

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.7	14.0	21.0



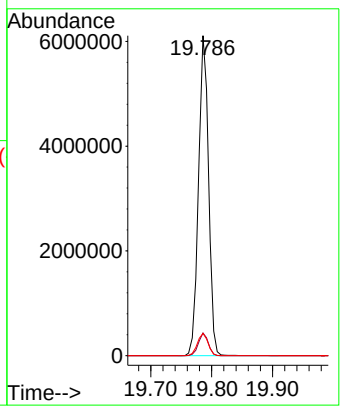


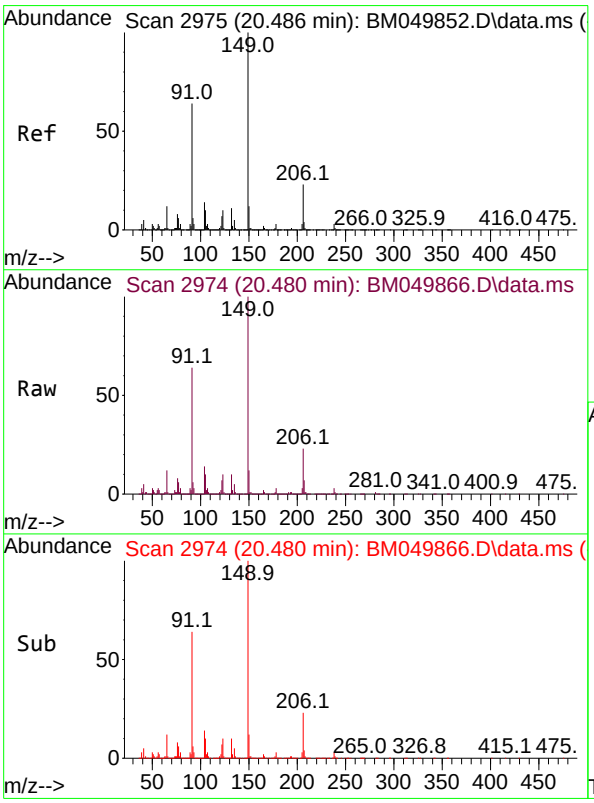
#79
Terphenyl-d14
Concen: 93.314 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:244 Resp: 6980310

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	7.0	5.4	8.0

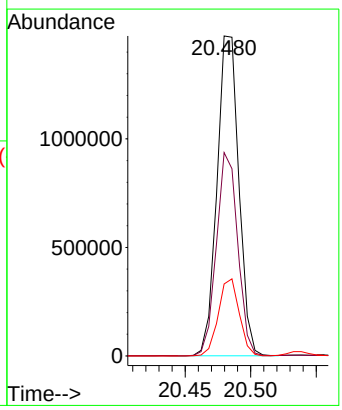


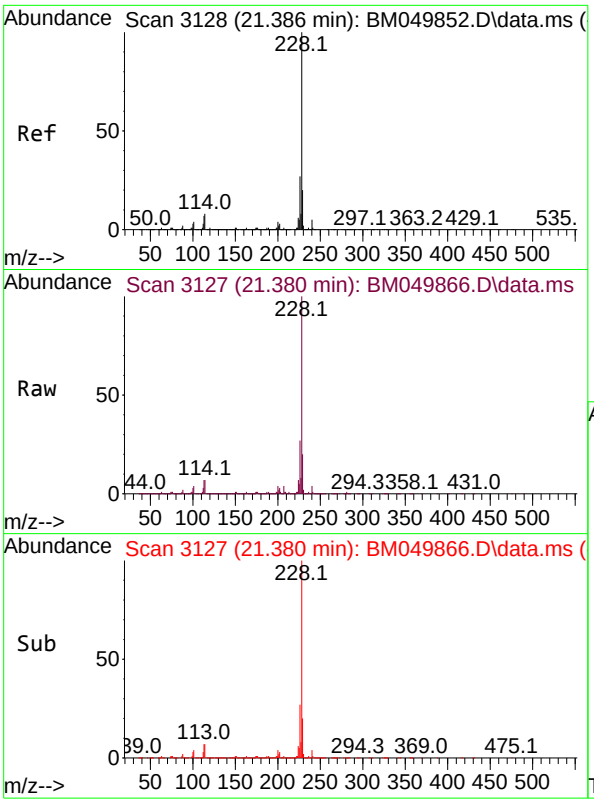


#80
Butylbenzylphthalate
Concen: 46.964 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:149 Resp: 1704963

Ion	Ratio	Lower	Upper
149	100		
91	63.5	50.9	76.3
206	22.5	18.4	27.6



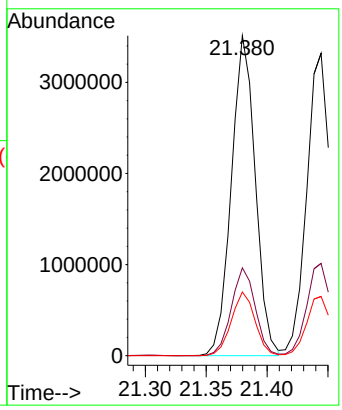


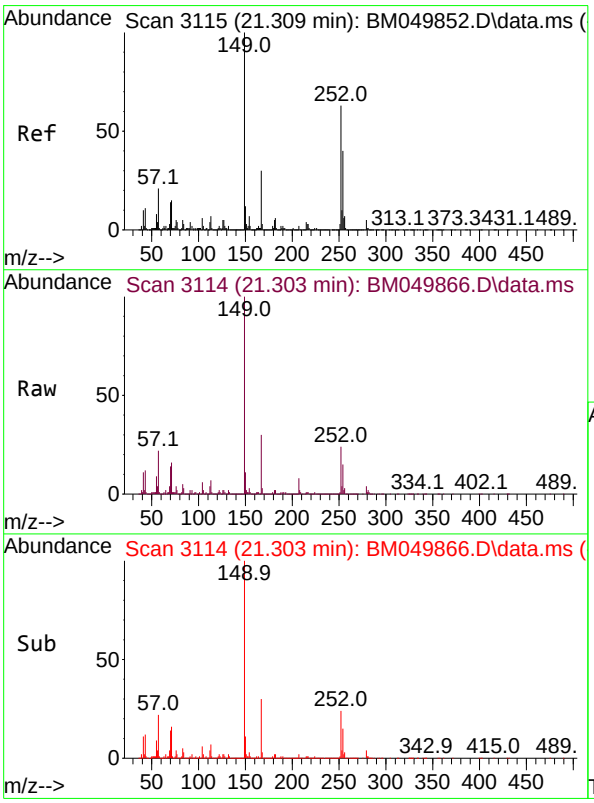
#81
Benzo(a)anthracene
Concen: 51.432 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:228 Resp: 4791802

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.9	15.8	23.8

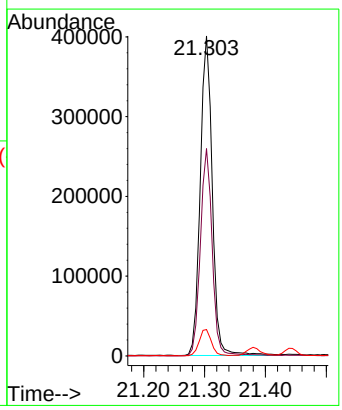


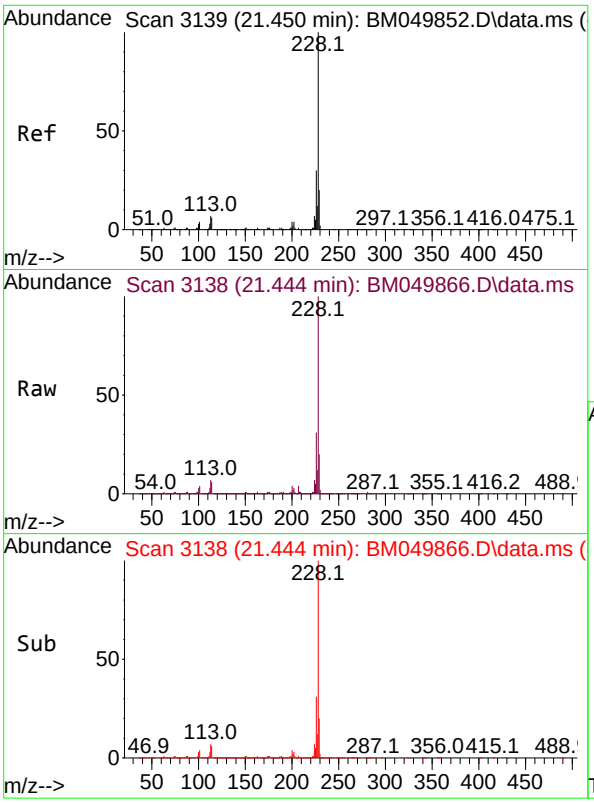


#82
3,3'-Dichlorobenzidine
Concen: 15.585 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:252 Resp: 548354

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.5	77.3
126	8.2	6.3	9.5



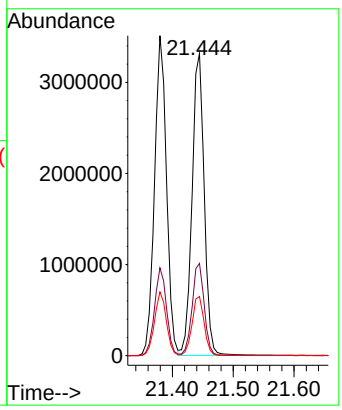


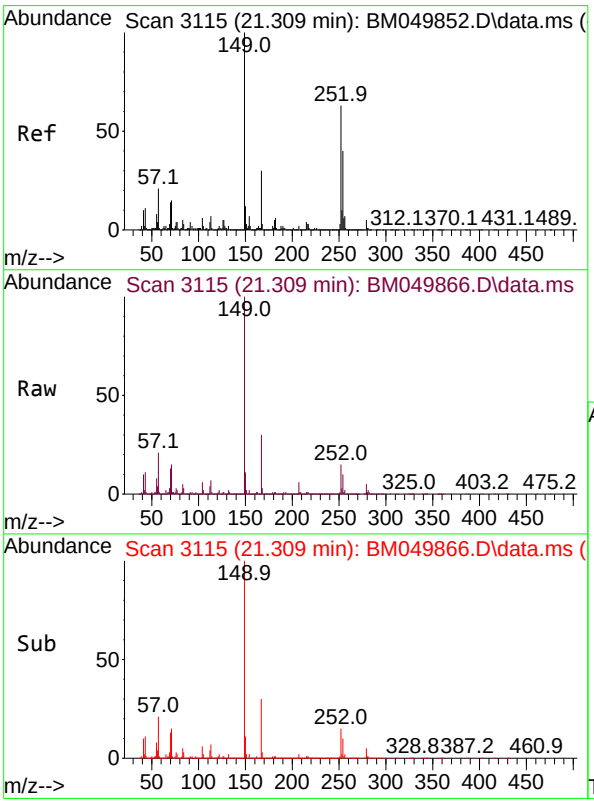
#83
Chrysene
Concen: 51.834 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:228 Resp: 4591192

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	19.6	15.8	23.6

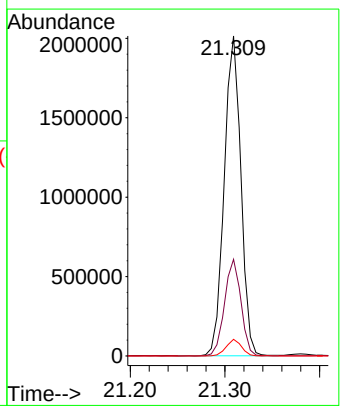


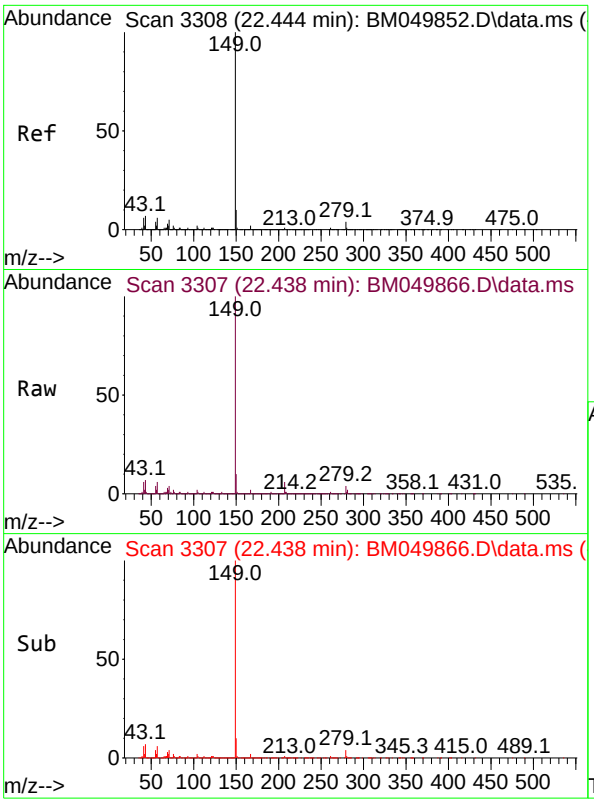


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.598 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:149 Resp: 2464666

Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.8	35.6
279	5.2	3.8	5.8



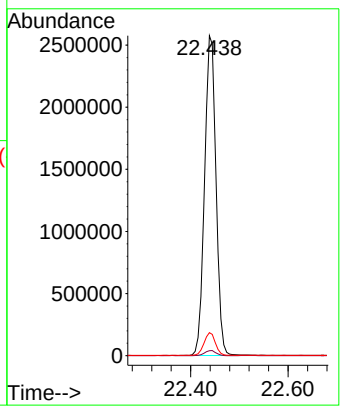


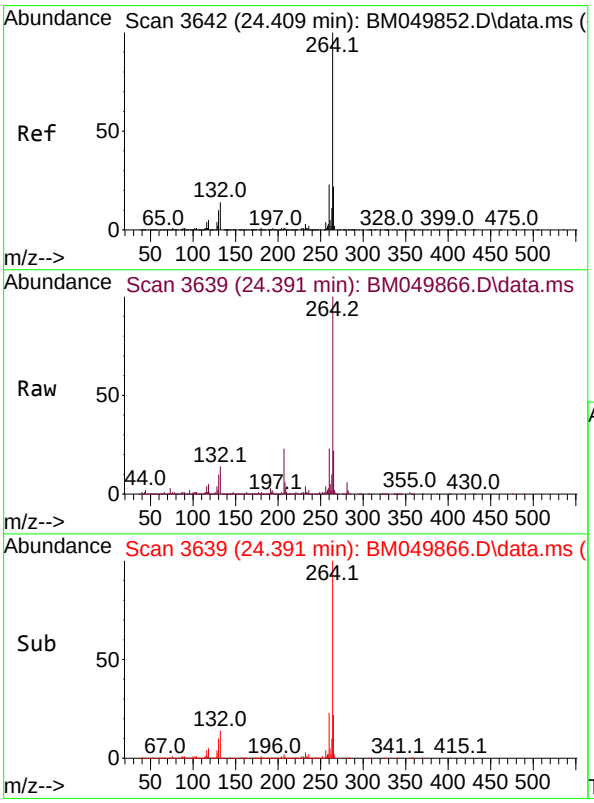
#85
Di-n-octyl phthalate
Concen: 45.193 ng
RT: 22.438 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:149 Resp: 4181805

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

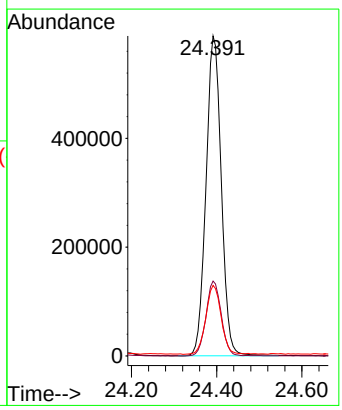


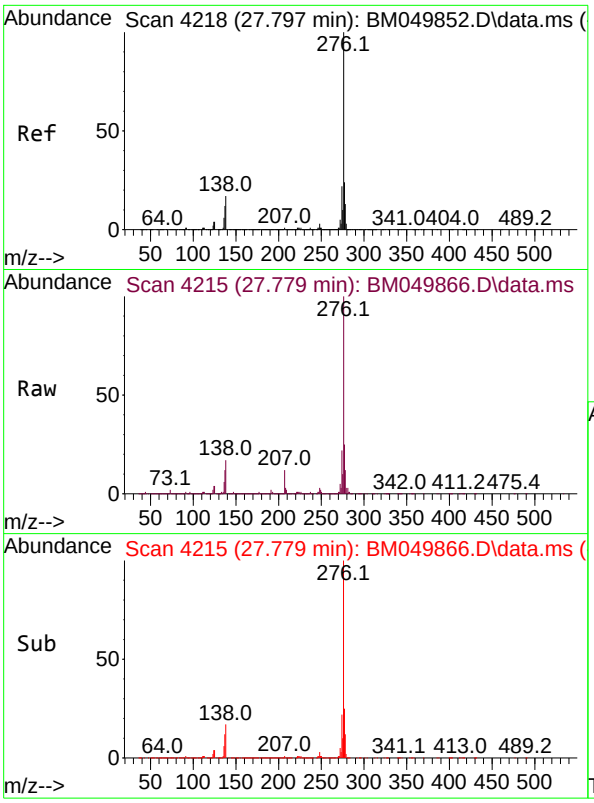


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:264 Resp: 1461448

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	22.0	17.8	26.8



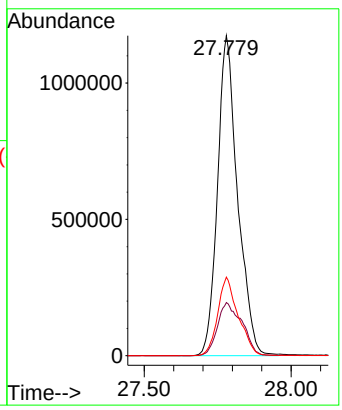


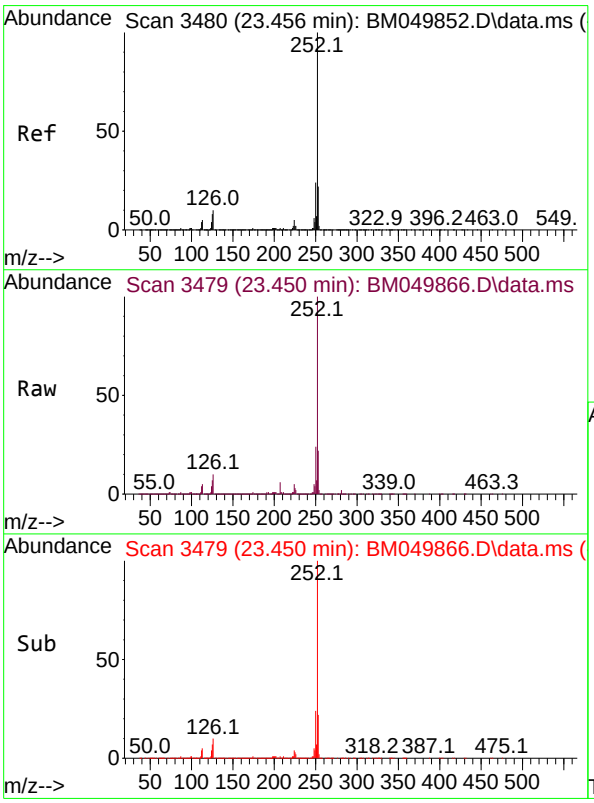
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.330 ng
RT: 27.779 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:276 Resp: 5591757

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.8	25.2
277	25.0	20.1	30.1

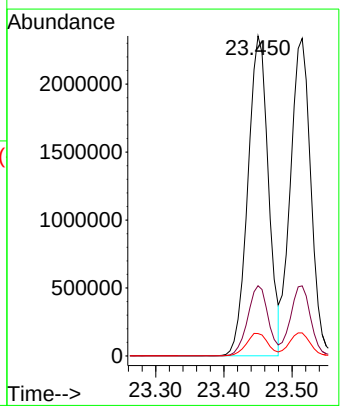


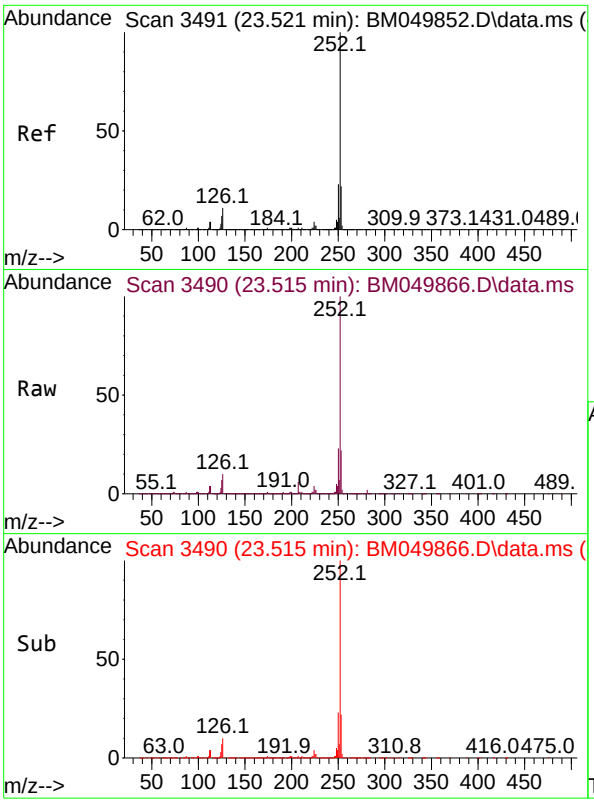


#88
Benzo(b)fluoranthene
Concen: 52.512 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:252 Resp: 4901336

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.0	6.2	9.4



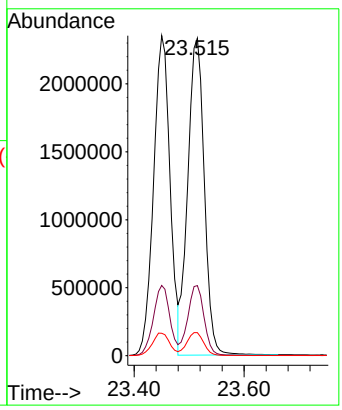


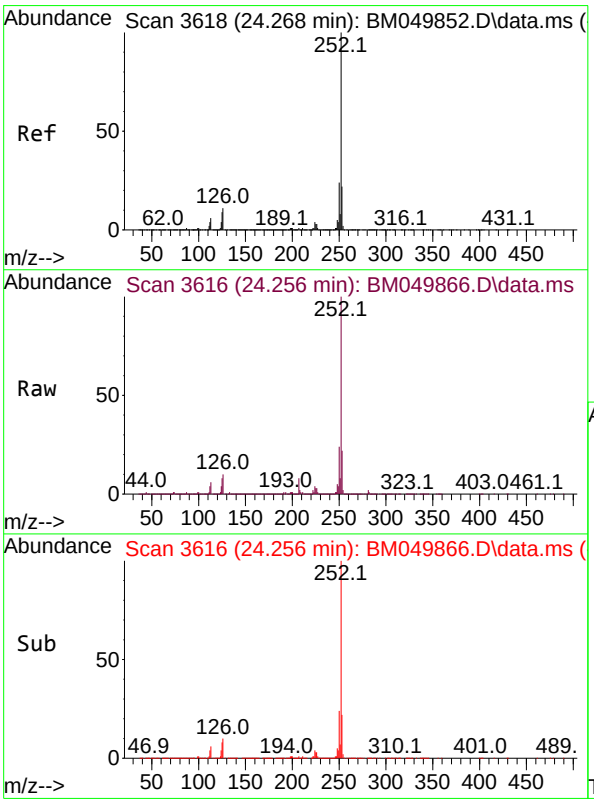
#89
Benzo(k)fluoranthene
Concen: 53.770 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:252 Resp: 4863511

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.3	5.8	8.8

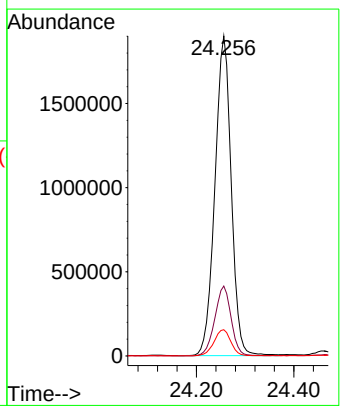


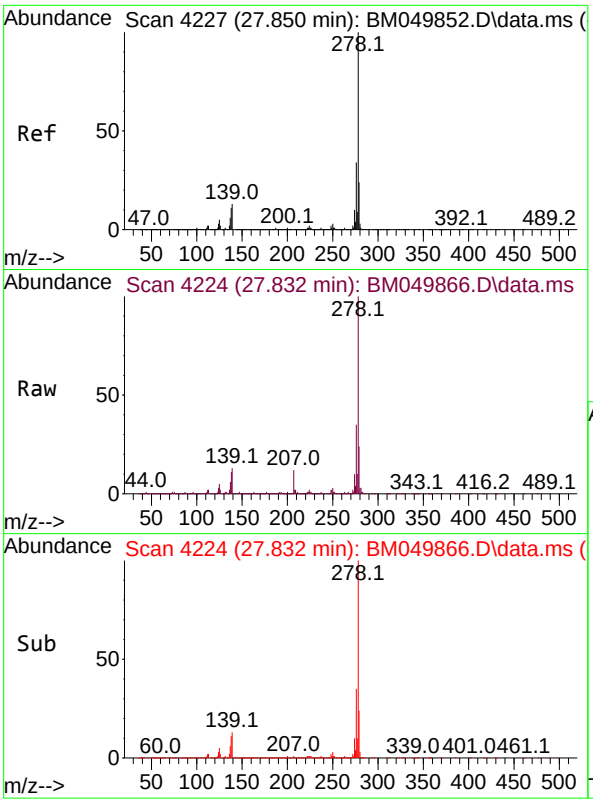


#90
Benzo(a)pyrene
Concen: 53.910 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:252 Resp: 4421640

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.2	7.0	10.4



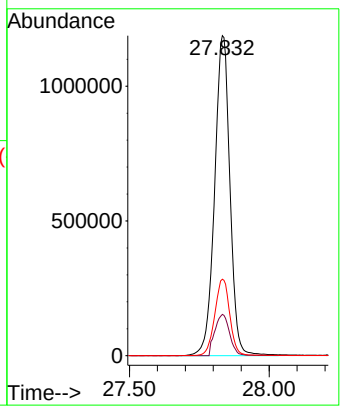


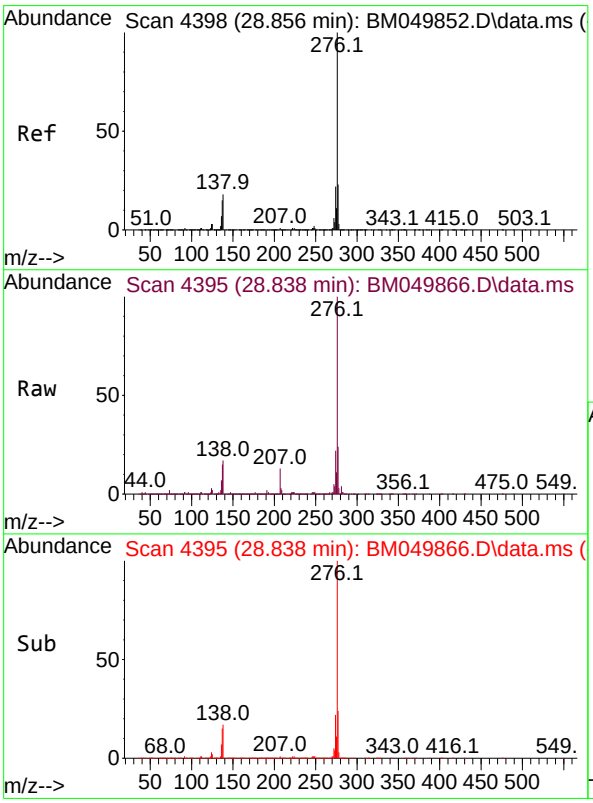
#91
Dibenzo(a,h)anthracene
Concen: 50.463 ng
RT: 27.832 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Instrument :
BNA_M
ClientSampleId :
B-158-SB01MSD

Tgt Ion:278 Resp: 4528137

Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.6	15.8
279	23.9	19.1	28.7

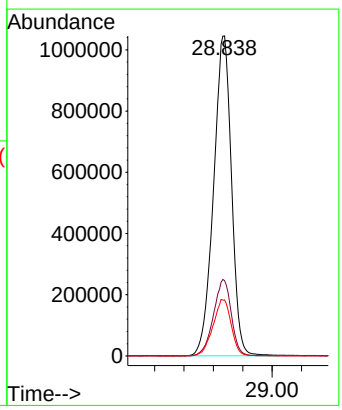




#92
Benzo(g,h,i)perylene
Concen: 48.240 ng
RT: 28.838 min Scan# 4395
Delta R.T. -0.018 min
Lab File: BM049866.D
Acq: 09 Apr 2025 13:47

Tgt Ion:276 Resp: 4423237

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	17.5	14.6	21.8



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Manual Integration Report

Sequence:	BM040825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049849.D	Benzaldehyde	anahy	4/9/2025 10:32:06 AM	Jagrut	4/9/2025 4:46:22 PM	Peak Integrated by Software
SSTDICC010	BM049850.D	Benzoic acid	anahy	4/9/2025 10:32:44 AM	Jagrut	4/9/2025 4:46:25 PM	Peak Integrated by Software
SSTDICC060	BM049854.D	Pyridine	anahy	4/9/2025 10:33:20 AM	Jagrut	4/9/2025 4:46:27 PM	Peak Integrated by Software
SSTDICC080	BM049855.D	Pyridine	anahy	4/9/2025 10:34:03 AM	Jagrut	4/9/2025 4:46:30 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm040925	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	bm041025	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	bm041625	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM049944.D	Benzoic acid	Rahul	4/17/2025 10:25:47 AM	Jagrut	4/17/2025 12:27:50 PM	Peak Integrated by Software
PB167509BS	BM049947.D	Benzoic acid	Rahul	4/17/2025 10:25:55 AM	Jagrut	4/17/2025 12:27:57 PM	Peak Integrated by Software

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM				
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM				
SubDirectory	BM040825	HP Acquire Method	BNA_M		HP Processing Method	bm040825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049847.D	08 Apr 2025 12:55	RC/JU	Ok
2	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35	RC/JU	Ok
3	SSTDICC005	BM049849.D	08 Apr 2025 14:14	RC/JU	Ok,M
4	SSTDICC010	BM049850.D	08 Apr 2025 14:53	RC/JU	Ok,M
5	SSTDICC020	BM049851.D	08 Apr 2025 15:32	RC/JU	Ok
6	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	RC/JU	Ok
7	SSTDICC050	BM049853.D	08 Apr 2025 17:30	RC/JU	Ok
8	SSTDICC060	BM049854.D	08 Apr 2025 19:28	RC/JU	Ok,M
9	SSTDICC080	BM049855.D	08 Apr 2025 20:07	RC/JU	Ok,M
10	SSTDICV040	BM049856.D	08 Apr 2025 20:47	RC/JU	Ok
11	PB167474BL	BM049857.D	08 Apr 2025 21:26	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040925

Review By	anahy	Review On	4/10/2025 10:38:09 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:56 PM		
SubDirectory	BM040925	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049858.D	09 Apr 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BM049859.D	09 Apr 2025 09:09	RC/JU	Ok
3	PB167521BL	BM049860.D	09 Apr 2025 09:48	RC/JU	Ok
4	PB167521BS	BM049861.D	09 Apr 2025 10:27	RC/JU	Ok
5	PB167521BSD	BM049862.D	09 Apr 2025 11:06	RC/JU	Ok
6	Q1740-01	BM049863.D	09 Apr 2025 11:50	RC/JU	Ok
7	Q1744-01	BM049864.D	09 Apr 2025 12:29	RC/JU	Ok
8	Q1744-01MS	BM049865.D	09 Apr 2025 13:08	RC/JU	Ok
9	Q1744-01MSD	BM049866.D	09 Apr 2025 13:47	RC/JU	Ok
10	Q1742-01	BM049867.D	09 Apr 2025 14:26	RC/JU	Ok,M
11	Q1746-03	BM049868.D	09 Apr 2025 15:05	RC/JU	Ok
12	Q1744-03	BM049869.D	09 Apr 2025 15:45	RC/JU	Ok
13	Q1712-01DL	BM049870.D	09 Apr 2025 16:24	RC/JU	Dilution
14	Q1712-01DL2	BM049871.D	09 Apr 2025 17:03	RC/JU	Ok,M
15	Q1743-01	BM049872.D	09 Apr 2025 17:42	RC/JU	Ok,M
16	Q1745-09	BM049873.D	09 Apr 2025 18:21	RC/JU	Ok,M
17	Q1739-01	BM049874.D	09 Apr 2025 19:01	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM041025

Review By	anahy	Review On	4/11/2025 10:19:37 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:07 AM		
SubDirectory	BM041025	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049875.D	10 Apr 2025 08:53	RC/JU	Ok
2	SSTDCCC040	BM049876.D	10 Apr 2025 09:32	RC/JU	Ok
3	PB167509BL	BM049877.D	10 Apr 2025 10:11	RC/JU	Ok
4	Q1753-01	BM049878.D	10 Apr 2025 10:54	RC/JU	Ok
5	Q1753-05	BM049879.D	10 Apr 2025 11:34	RC/JU	Ok
6	Q1753-05MS	BM049880.D	10 Apr 2025 12:13	RC/JU	Ok,M
7	Q1753-05MSD	BM049881.D	10 Apr 2025 12:52	RC/JU	Ok,M
8	Q1752-05	BM049882.D	10 Apr 2025 13:31	RC/JU	Ok
9	Q1752-07	BM049883.D	10 Apr 2025 14:10	RC/JU	Ok
10	Q1752-01	BM049884.D	10 Apr 2025 14:49	RC/JU	Ok
11	Q1752-03	BM049885.D	10 Apr 2025 15:28	RC/JU	Ok
12	Q1754-03	BM049886.D	10 Apr 2025 16:07	RC/JU	Ok,M
13	Q1739-02	BM049887.D	10 Apr 2025 16:46	RC/JU	Ok,M
14	Q1754-01	BM049888.D	10 Apr 2025 17:25	RC/JU	Ok,M
15	Q1749-01	BM049889.D	10 Apr 2025 18:04	RC/JU	Ok
16	Q1748-05	BM049890.D	10 Apr 2025 18:44	RC/JU	Ok
17	Q1748-01	BM049891.D	10 Apr 2025 19:23	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM041625

Review By	Rahul	Review On	4/17/2025 10:26:53 AM		
Supervise By	Jagrut	Supervise On	4/17/2025 12:28:46 PM		
SubDirectory	BM041625	HP Acquire Method	BNA_M	HP Processing Method	bm040825

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	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049943.D	16 Apr 2025 08:49	RC/JU	Ok
2	SSTDCCC040	BM049944.D	16 Apr 2025 09:28	RC/JU	Ok,M
3	PB167561BL	BM049945.D	16 Apr 2025 10:07	RC/JU	Ok
4	PB167561BS	BM049946.D	16 Apr 2025 10:47	RC/JU	Ok,M
5	PB167509BS	BM049947.D	16 Apr 2025 11:26	RC/JU	Ok,M
6	PB167587TB	BM049948.D	16 Apr 2025 12:05	RC/JU	Ok
7	PB167598BL	BM049949.D	16 Apr 2025 12:44	RC/JU	Ok
8	PB167598BS	BM049950.D	16 Apr 2025 13:24	RC/JU	Ok,M
9	Q1791-13	BM049951.D	16 Apr 2025 14:07	RC/JU	ReRun
10	Q1791-14	BM049952.D	16 Apr 2025 14:46	RC/JU	Ok
11	Q1810-02	BM049953.D	16 Apr 2025 15:26	RC/JU	Ok
12	Q1806-01DL	BM049954.D	16 Apr 2025 16:05	RC/JU	Ok,M
13	Q1788-01DL	BM049955.D	16 Apr 2025 16:44	RC/JU	Ok,M
14	Q1808-01MS	BM049956.D	16 Apr 2025 17:24	RC/JU	Ok,M
15	Q1808-01MSD	BM049957.D	16 Apr 2025 18:03	RC/JU	Ok,M
16	Q1808-03	BM049958.D	16 Apr 2025 18:42	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM		
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM		
SubDirectory	BM040825	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049847.D	08 Apr 2025 12:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049849.D	08 Apr 2025 14:14	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049850.D	08 Apr 2025 14:53	Compound #32,54 kept on LR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049851.D	08 Apr 2025 15:32	This calibration is fail for Com#77	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	This calibration is good for 8270E DOD except Com#77 and good for 625.1 method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049853.D	08 Apr 2025 17:30		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM049854.D	08 Apr 2025 19:28	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049855.D	08 Apr 2025 20:07	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBM040825	BM049856.D	08 Apr 2025 20:47		RC/JU	Ok
11	PB167474BL	PB167474BL	BM049857.D	08 Apr 2025 21:26	Use for Q1730 only	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040925

Review By	anahy	Review On	4/10/2025 10:38:09 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:56 PM		
SubDirectory	BM040925	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049858.D	09 Apr 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049859.D	09 Apr 2025 09:09		RC/JU	Ok
3	PB167521BL	PB167521BL	BM049860.D	09 Apr 2025 09:48		RC/JU	Ok
4	PB167521BS	PB167521BS	BM049861.D	09 Apr 2025 10:27		RC/JU	Ok
5	PB167521BSD	PB167521BSD	BM049862.D	09 Apr 2025 11:06		RC/JU	Ok
6	Q1740-01	TP-20	BM049863.D	09 Apr 2025 11:50		RC/JU	Ok
7	Q1744-01	B-158-SB01	BM049864.D	09 Apr 2025 12:29		RC/JU	Ok
8	Q1744-01MS	B-158-SB01MS	BM049865.D	09 Apr 2025 13:08		RC/JU	Ok
9	Q1744-01MSD	B-158-SB01MSD	BM049866.D	09 Apr 2025 13:47		RC/JU	Ok
10	Q1742-01	TR-06-040725	BM049867.D	09 Apr 2025 14:26		RC/JU	Ok,M
11	Q1746-03	B-149-SB02	BM049868.D	09 Apr 2025 15:05		RC/JU	Ok
12	Q1744-03	B-158-SB02	BM049869.D	09 Apr 2025 15:45		RC/JU	Ok
13	Q1712-01DL	Z-05ADL	BM049870.D	09 Apr 2025 16:24	Need 5X further Dilution	RC/JU	Dilution
14	Q1712-01DL2	Z-05ADL2	BM049871.D	09 Apr 2025 17:03		RC/JU	Ok,M
15	Q1743-01	TP-16	BM049872.D	09 Apr 2025 17:42		RC/JU	Ok,M
16	Q1745-09	IB-6.5-WC	BM049873.D	09 Apr 2025 18:21		RC/JU	Ok,M
17	Q1739-01	WC-LIQUID-20250404	BM049874.D	09 Apr 2025 19:01	Surrogate Fail	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM041025

Review By	anahy	Review On	4/11/2025 10:19:37 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:07 AM		
SubDirectory	BM041025	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049875.D	10 Apr 2025 08:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049876.D	10 Apr 2025 09:32		RC/JU	Ok
3	PB167509BL	PB167509BL	BM049877.D	10 Apr 2025 10:11		RC/JU	Ok
4	Q1753-01	WC-1	BM049878.D	10 Apr 2025 10:54		RC/JU	Ok
5	Q1753-05	WC-2	BM049879.D	10 Apr 2025 11:34		RC/JU	Ok
6	Q1753-05MS	WC-2MS	BM049880.D	10 Apr 2025 12:13		RC/JU	Ok,M
7	Q1753-05MSD	WC-2MSD	BM049881.D	10 Apr 2025 12:52		RC/JU	Ok,M
8	Q1752-05	TP-4	BM049882.D	10 Apr 2025 13:31		RC/JU	Ok
9	Q1752-07	TP-3	BM049883.D	10 Apr 2025 14:10		RC/JU	Ok
10	Q1752-01	TP-1	BM049884.D	10 Apr 2025 14:49		RC/JU	Ok
11	Q1752-03	TP-2	BM049885.D	10 Apr 2025 15:28		RC/JU	Ok
12	Q1754-03	TP-1-CONCRETE	BM049886.D	10 Apr 2025 16:07		RC/JU	Ok,M
13	Q1739-02	WC-LIQUID-20250404	BM049887.D	10 Apr 2025 16:46		RC/JU	Ok,M
14	Q1754-01	TP-1	BM049888.D	10 Apr 2025 17:25		RC/JU	Ok,M
15	Q1749-01	TP-14	BM049889.D	10 Apr 2025 18:04		RC/JU	Ok
16	Q1748-05	IB-2A-WC	BM049890.D	10 Apr 2025 18:44		RC/JU	Ok
17	Q1748-01	IB-1.5-WC	BM049891.D	10 Apr 2025 19:23		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM041625

Review By	Rahul	Review On	4/17/2025 10:26:53 AM		
Supervise By	Jagrut	Supervise On	4/17/2025 12:28:46 PM		
SubDirectory	BM041625	HP Acquire Method	BNA_M	HP Processing Method	bm040825

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	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049943.D	16 Apr 2025 08:49		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049944.D	16 Apr 2025 09:28		RC/JU	Ok,M
3	PB167561BL	PB167561BL	BM049945.D	16 Apr 2025 10:07		RC/JU	Ok
4	PB167561BS	PB167561BS	BM049946.D	16 Apr 2025 10:47		RC/JU	Ok,M
5	PB167509BS	PB167509BS	BM049947.D	16 Apr 2025 11:26		RC/JU	Ok,M
6	PB167587TB	PB167587TB	BM049948.D	16 Apr 2025 12:05		RC/JU	Ok
7	PB167598BL	PB167598BL	BM049949.D	16 Apr 2025 12:44		RC/JU	Ok
8	PB167598BS	PB167598BS	BM049950.D	16 Apr 2025 13:24		RC/JU	Ok,M
9	Q1791-13	279312	BM049951.D	16 Apr 2025 14:07	Internal Standards and surrogates Failed	RC/JU	ReRun
10	Q1791-14	VB16164	BM049952.D	16 Apr 2025 14:46		RC/JU	Ok
11	Q1810-02	MOO-25-0118	BM049953.D	16 Apr 2025 15:26		RC/JU	Ok
12	Q1806-01DL	OR-03-041425DL	BM049954.D	16 Apr 2025 16:05		RC/JU	Ok,M
13	Q1788-01DL	WC-1DL	BM049955.D	16 Apr 2025 16:44		RC/JU	Ok,M
14	Q1808-01MS	OILY-SOIL-PILEMS	BM049956.D	16 Apr 2025 17:24		RC/JU	Ok,M
15	Q1808-01MSD	OILY-SOIL-PILEMSD	BM049957.D	16 Apr 2025 18:03		RC/JU	Ok,M
16	Q1808-03	LAW-25-0060	BM049958.D	16 Apr 2025 18:42		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/8/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 04/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:19
Out Date: 04/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135324

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1740-01	TP-20	1	1.14	9.97	11.11	9.88	87.7	
Q1740-02	TP-20-E2	2	1.15	10.14	11.29	10.06	87.9	
Q1740-03	TP-20-VOC	3	1.18	11.96	13.14	11.9	89.6	
Q1742-01	TR-06-040725	17	1.14	10.11	11.25	10.00	87.6	
Q1742-02	TR-06-040725-E2	18	1.18	10.20	11.38	10.24	88.8	
Q1743-01	TP-16	4	1.14	10.15	11.29	10.74	94.6	
Q1743-02	TP-16-EPH	5	1.16	9.91	11.07	9.27	81.8	
Q1743-03	TP-16-VOC	6	1.14	10.34	11.48	10.84	93.8	
Q1744-01	B-158-SB01	7	1.12	9.66	10.78	9.81	90.0	
Q1744-03	B-158-SB02	8	1.18	10.73	11.91	7.19	56.0	
Q1745-01	IB-6A-WC	9	1.17	10.10	11.27	9.76	85.0	
Q1745-02	IB-6A-EPH	10	1.18	9.96	11.14	9.56	84.1	
Q1745-03	IB-6A-VOC	11	1.18	10.06	11.24	9.98	87.5	
Q1745-09	IB-6.5-WC	12	1.15	10.49	11.64	8.65	71.5	
Q1745-10	IB-6.5-EPH	13	1.18	10.26	11.44	8.46	71.0	
Q1745-11	IB-6.5-VOC	14	1.15	9.98	11.13	7.93	67.9	
Q1746-01	B-149-SB01	15	1.14	10.17	11.31	10.22	89.3	
Q1746-03	B-149-SB02	16	1.14	10.23	11.37	9.81	84.8	
Q1747-01	ARS20-0008	19	1.15	10.33	11.48	11.08	96.1	
Q1747-02	ARS20-0008-E2	20	1.19	10.08	11.27	10.8	95.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB135324

WorkList Name : %1-040725 **WorkList ID :** 188763 **Department :** Wet-Chemistry **Date :** 04-07-2025 08:21:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1740-01	TP-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	04/04/2025	Chemtech -SO
Q1740-02	TP-20-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	04/04/2025	Chemtech -SO
Q1740-03	TP-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	04/04/2025	Chemtech -SO
Q1742-01	TR-06-040725	Solid	Percent Solids	Cool 4 deg C	PSEG05		04/04/2025	Chemtech -SO
Q1742-02	TR-06-040725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05		04/04/2025	Chemtech -SO
Q1743-01	TP-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	L33	04/07/2025	Chemtech -SO
Q1743-02	TP-16-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L33	04/07/2025	Chemtech -SO
Q1743-03	TP-16-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L33	04/07/2025	Chemtech -SO
Q1744-01	B-158-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	04/05/2025	Chemtech -SO
Q1744-03	B-158-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	04/05/2025	Chemtech -SO
Q1745-01	IB-6A-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-02	IB-6A-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-03	IB-6A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-09	IB-6.5-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-10	IB-6.5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1745-11	IB-6.5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1746-01	B-149-SB01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/07/2025	Chemtech -SO
Q1746-03	B-149-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	04/05/2025	Chemtech -SO
Q1747-01	ARS20-0008	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	04/06/2025	Chemtech -SO
Q1747-02	ARS20-0008-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	04/07/2025	Chemtech -SO
					PSEG03	I41	04/07/2025	Chemtech -SO

Date/Time 04/07/25 1525
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 04/07/25 17:15
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167509

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 04/08/2025

Extraction Start Time : 08:59

Extraction End Date : 04/08/2025

Extraction End Time : 12:00

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	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
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2597
Sand	N/A	EP2865
Methylene Chloride	N/A	E3904
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:

1.5ML Vial Lot # 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/08/25	RJ (Ext. Lab)	RC/SVOC
12:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167509

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 04/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167509BL	SBLK509	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U3-1
PB167509BS	SLCS509	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q1740-01	TP-20	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q1742-01	TR-06-040725	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1743-01	TP-16	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		5
Q1744-01	B-158-SB01	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		6
Q1744-01MS	B-158-SB01MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U6-1
Q1744-01MSD	B-158-SB01MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		2
Q1744-03	B-158-SB02	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		3
Q1745-01	IB-6A-WC	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		4
Q1745-09	IB-6.5-WC	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		5
Q1746-01	B-149-SB01	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		6
Q1746-03	B-149-SB02	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	F		U2-1
Q1747-01	ARS20-0008	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		2

* **Extracts relinquished on the same date as received.**

4/8/25

167509 8:29

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1742 **WorkList ID :** 188790 **Department :** Extraction **Date :** 04-08-2025 08:11:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1740-01	TP-20	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L21	04/04/2025	8270E
Q1742-01	TR-06-040725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05		04/04/2025	8270E
Q1743-01	TP-16	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L33	04/07/2025	8270E
Q1744-01	B-158-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/05/2025	8270E
Q1744-03	B-158-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/05/2025	8270E
Q1745-01	IB-6A-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/07/2025	8270E
Q1745-09	IB-6.5-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/07/2025	8270E
Q1746-01	B-149-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/05/2025	8270E
Q1746-03	B-149-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/06/2025	8270E
Q1747-01	ARS20-0008	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I41	04/07/2025	8270E

Date/Time 04/08/25 8:55
Raw Sample Received by: RJ (Eat 2043)
Raw Sample Relinquished by: CP

Date/Time 04/08/25 9:15
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (Eat 2043)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1744

Test : SVOC-TCL BNA -20

Prepbatch ID : PB167509,

Sequence ID/Qc Batch ID: BM040925,bm041025,BM041625,

Standard ID :
EP2591,EP2597,EP2865,SP6685,SP6686,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,

Chemical ID :
10ul/1000ul sample,E3551,E3828,E3874,E3876,E3878,E3902,E3904,S10104,S10397,S10584,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12142,S12189,S12190,S12191,S12192,S12193,S12194,S12195,S12208,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12327,S12469,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12517,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12577,S12649,S12658,S12659,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2591	02/26/2025	08/14/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/26/2025

FROM 8000.00000ml of E3876 + 8000.00000ml of E3878 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2597	03/28/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	Evelyn Huang 03/28/2025

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
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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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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)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

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

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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 #
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 #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	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

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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	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11786

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	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

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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	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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

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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	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

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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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

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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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	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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

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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	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

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	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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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

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.

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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-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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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
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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.

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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.

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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 on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

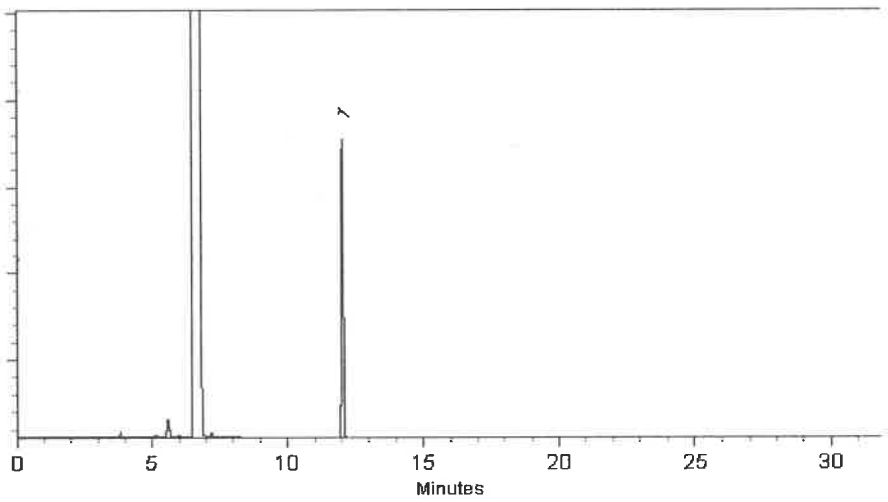
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
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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

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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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 RB on 7/24/23 E3551

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

PO: PO2-1178.2 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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3878

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

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
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.

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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. : 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.

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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.)

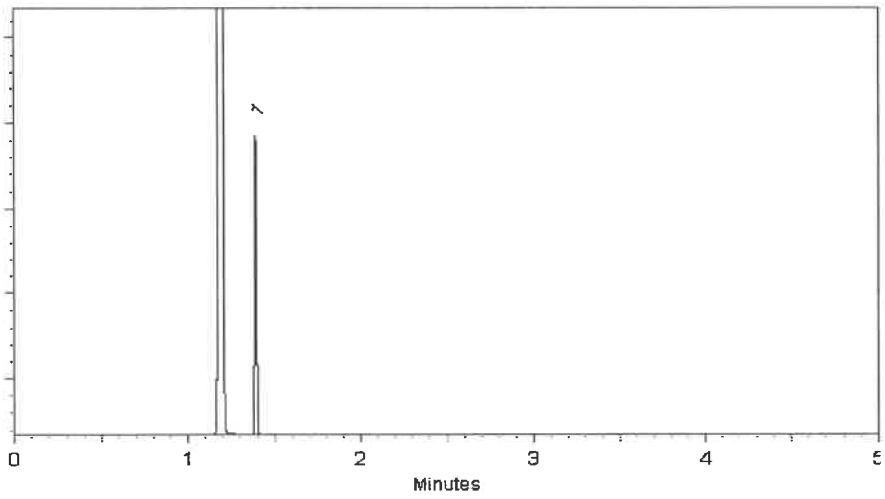
Inj. Temp:
250°C

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:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

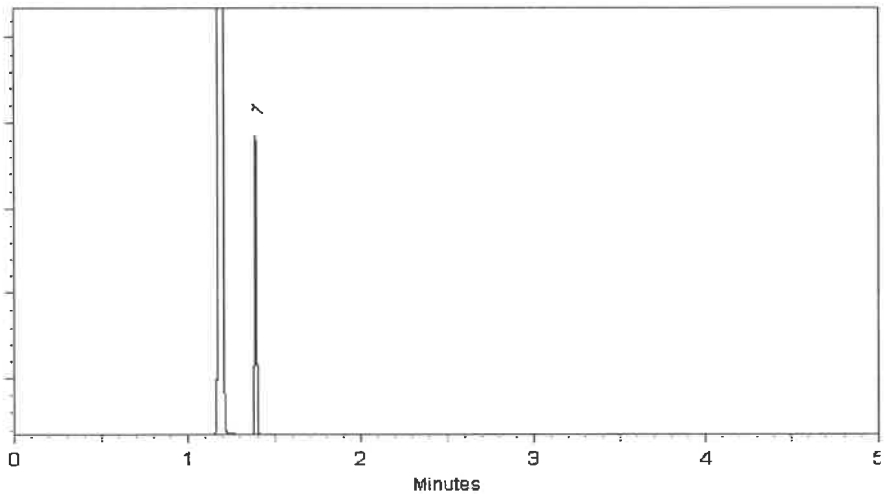
Inj. Temp:
250°C

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:

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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.)

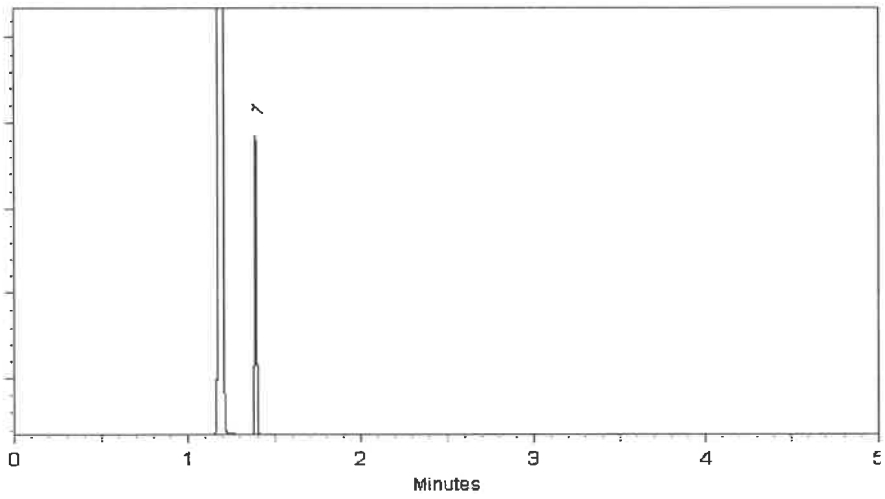
Inj. Temp:
250°C

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.
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Manufacturing Notes:

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Handling Notes:

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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)
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Solvent: Methylene chloride
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Purity 99%

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hydrogen-constant flow 1.8 mL/min.

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80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
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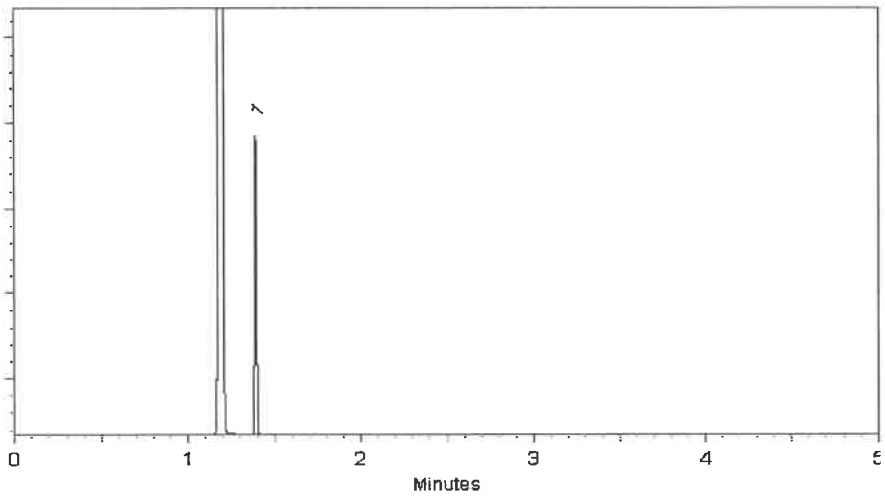
Det. Temp:
340°C

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

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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:

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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.)

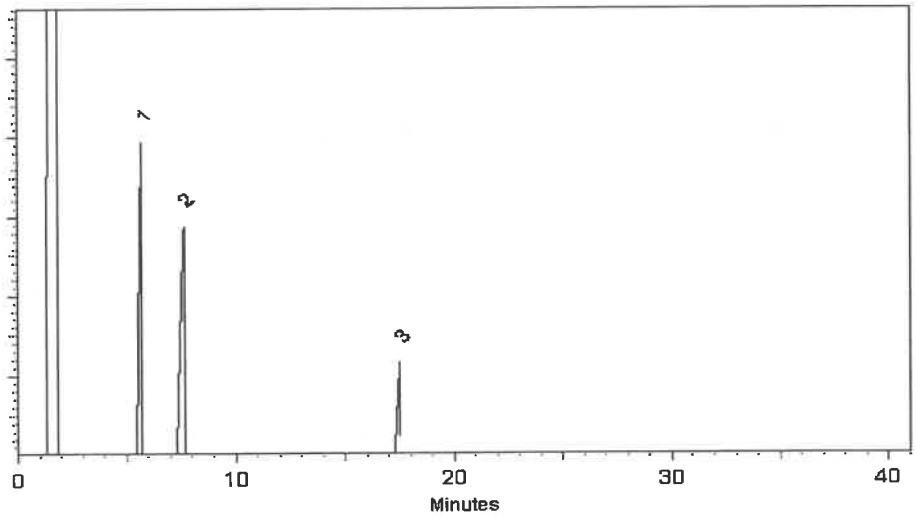
Inj. Temp:
250°C

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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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.)

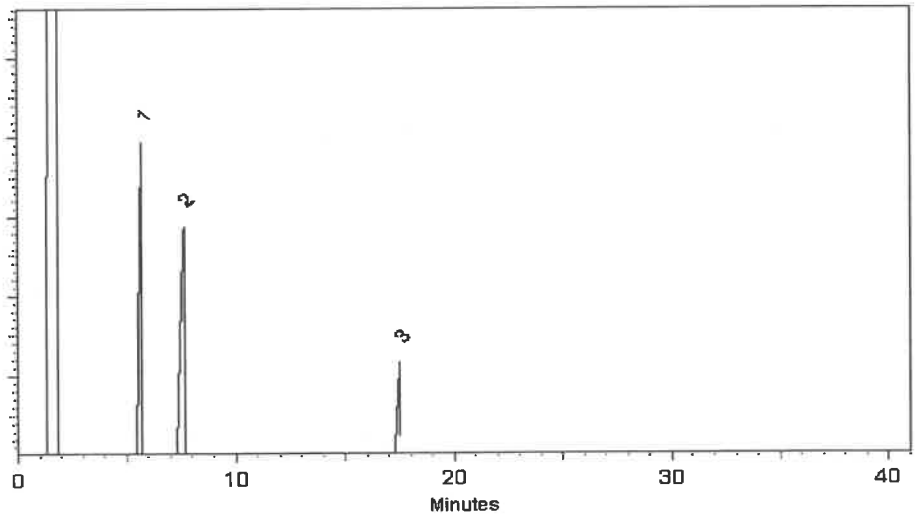
Inj. Temp:
250°C

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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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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.)

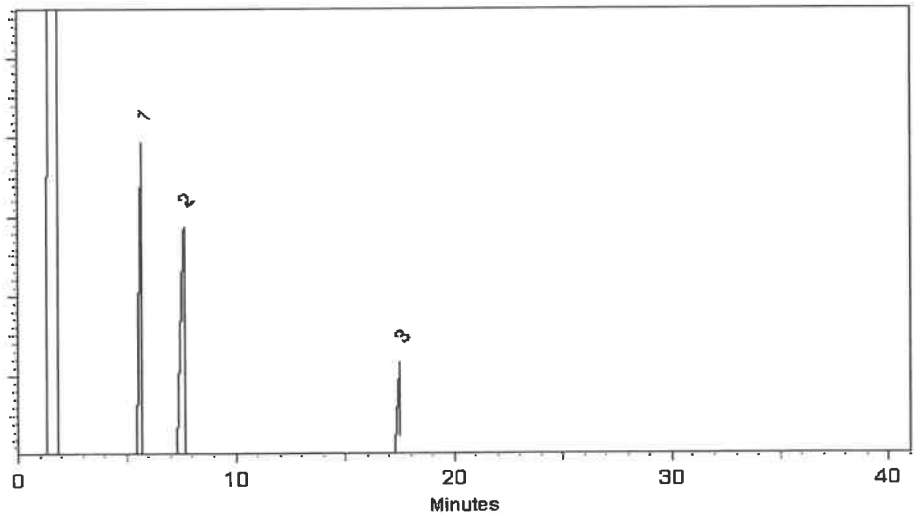
Inj. Temp:
250°C

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

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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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.)

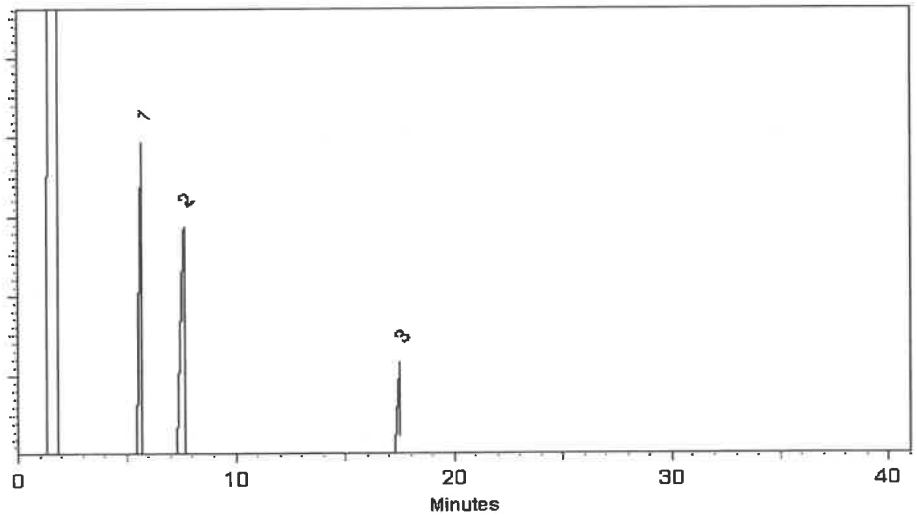
Inj. Temp:
250°C

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

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

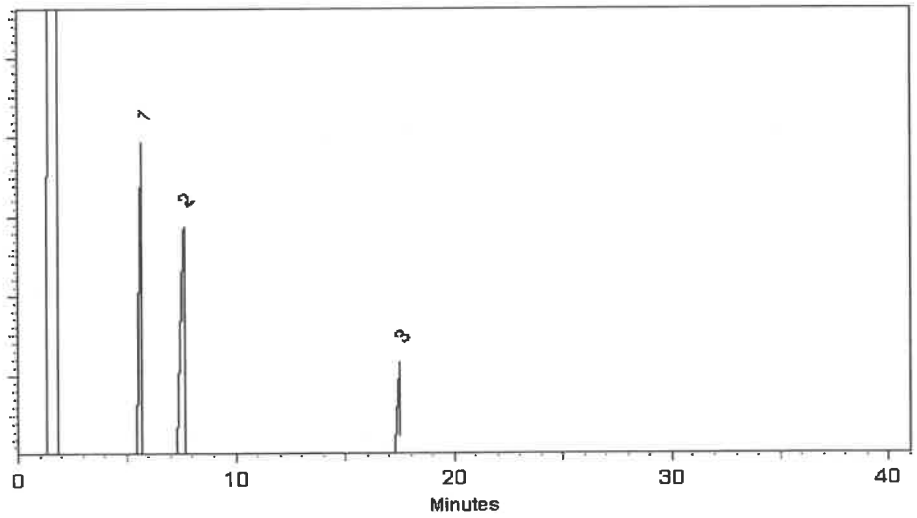
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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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.)

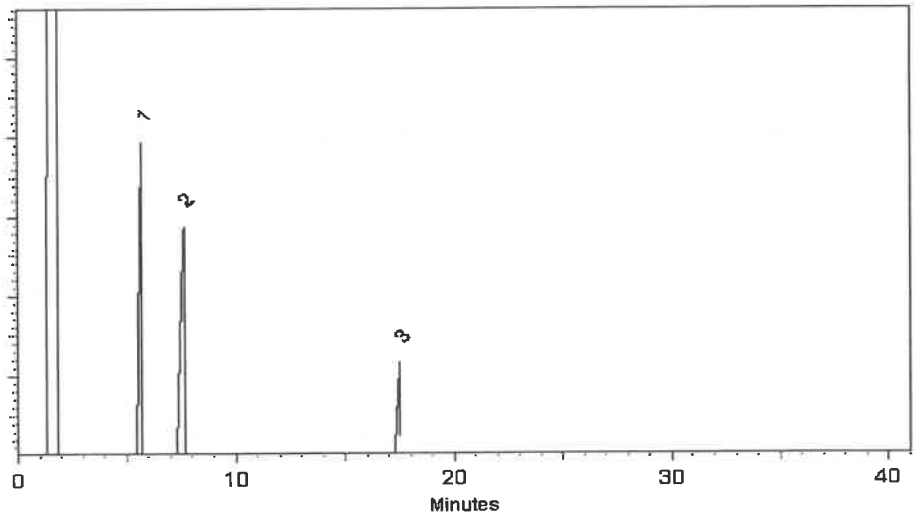
Inj. Temp:
250°C

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
@ 10°C/min. (hold 10 min.)

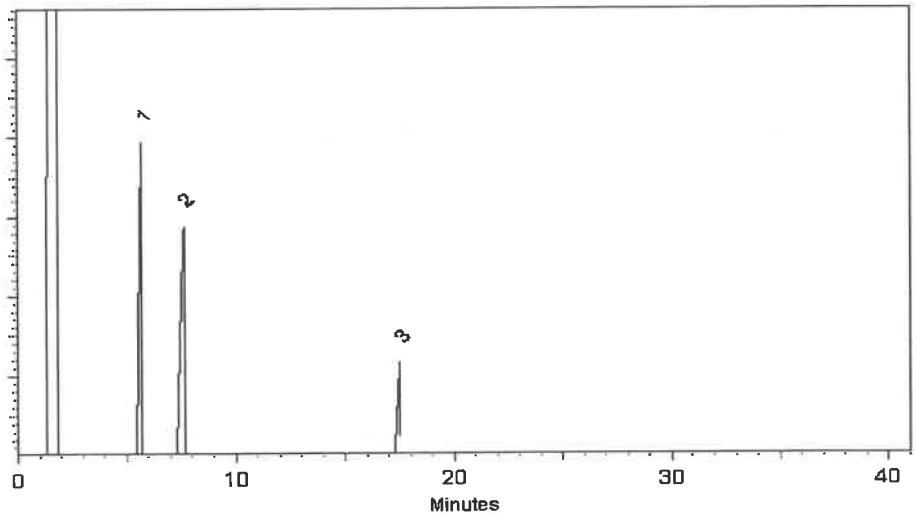
Inj. Temp:
250°C

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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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.)

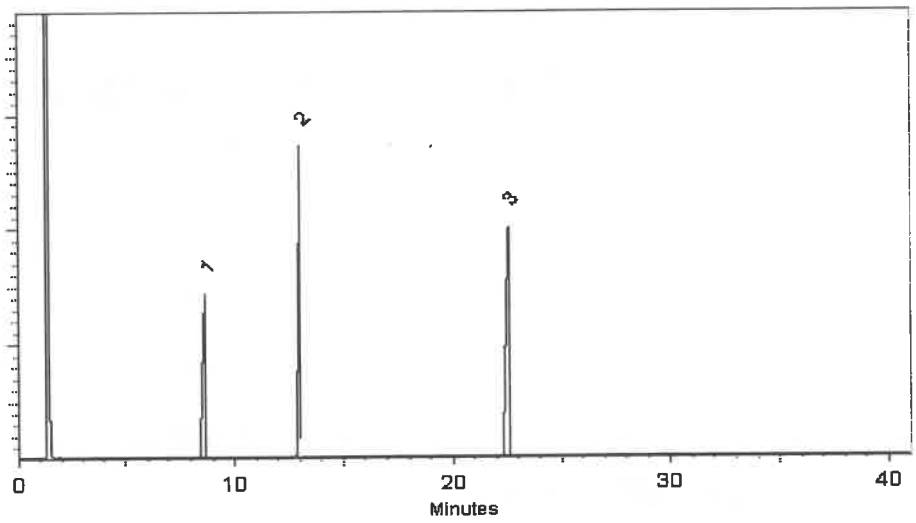
Inj. Temp:
250°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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:
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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.)

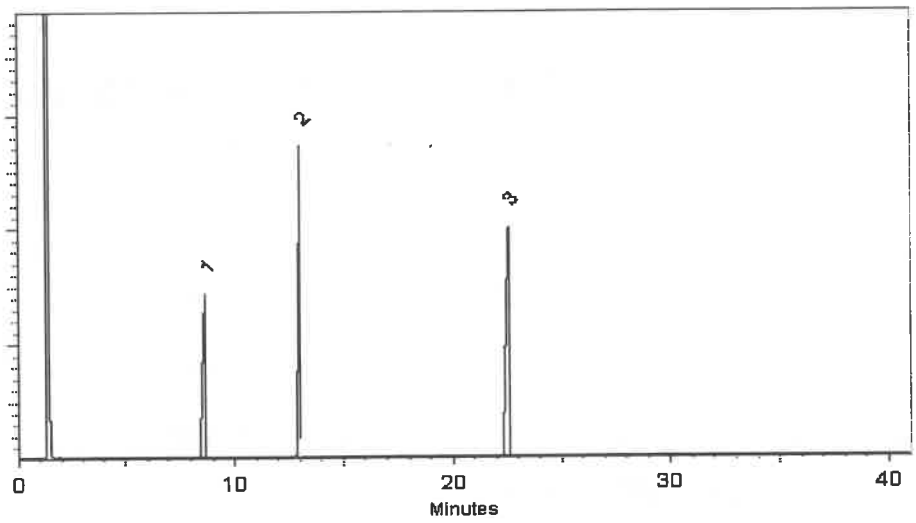
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

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Solvent: Methylene chloride
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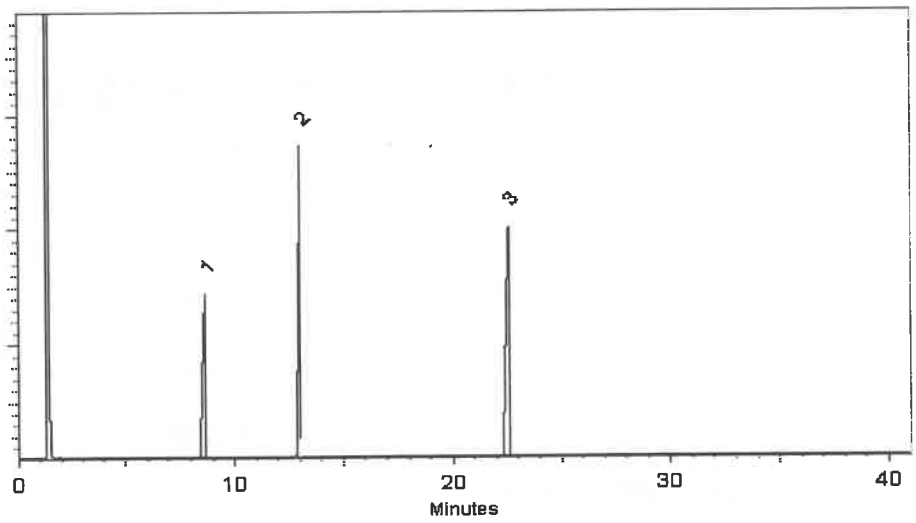

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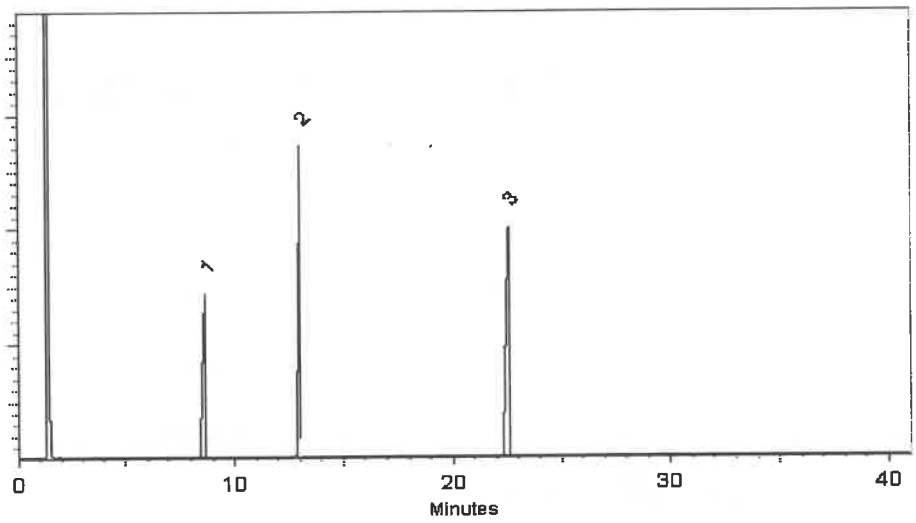

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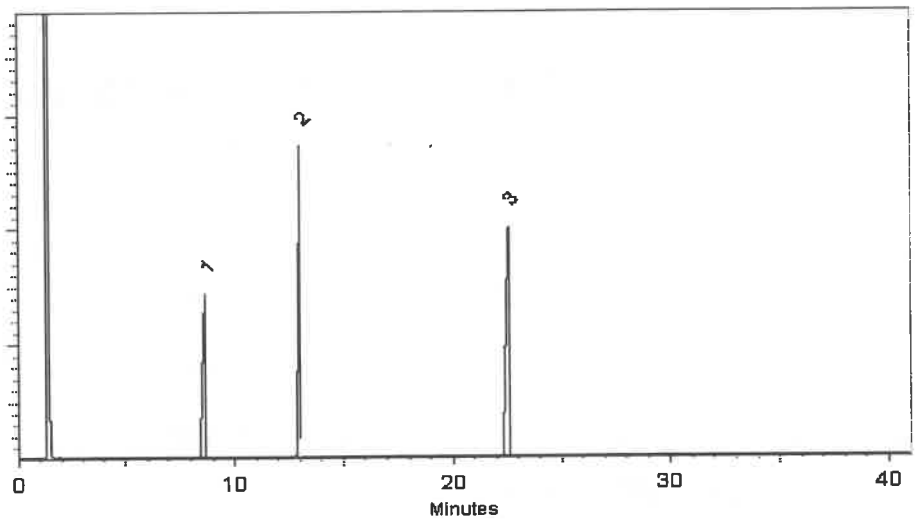

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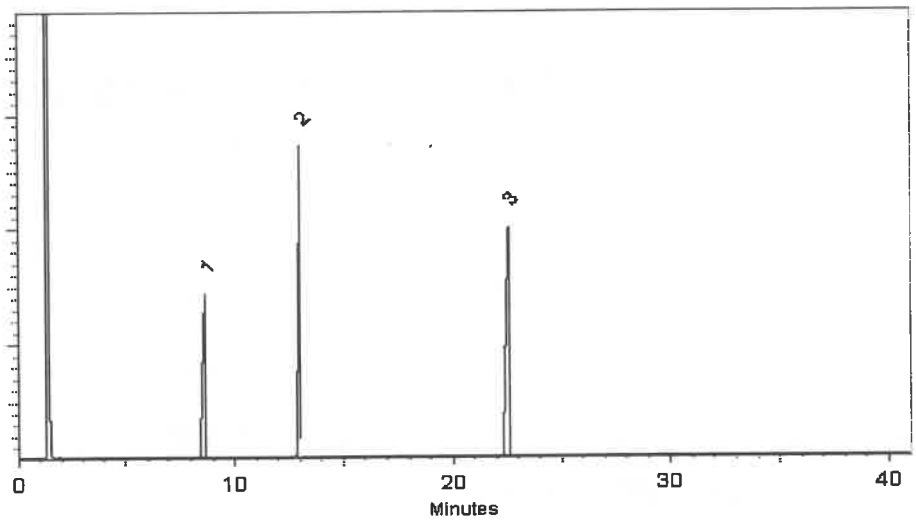

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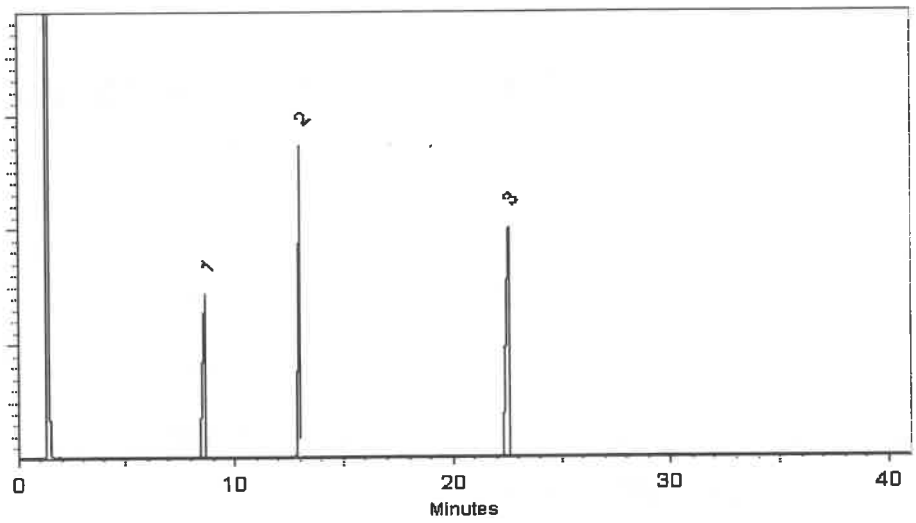

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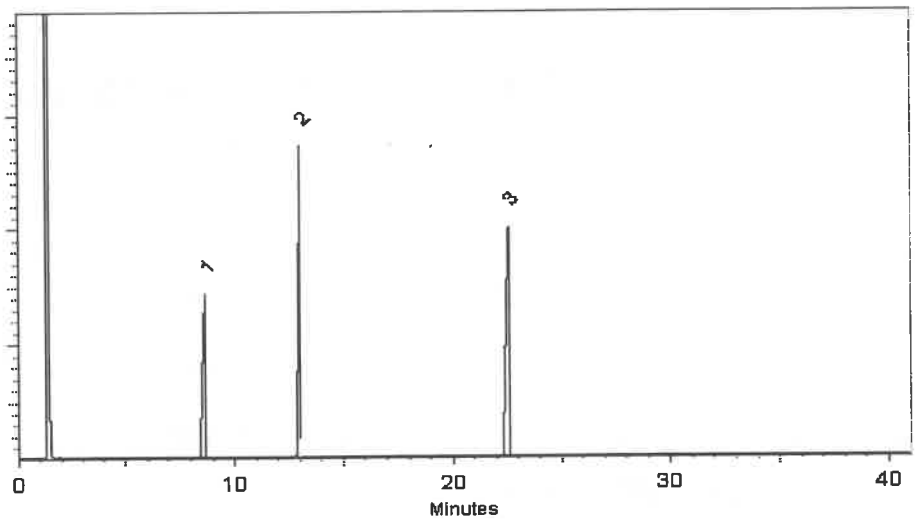

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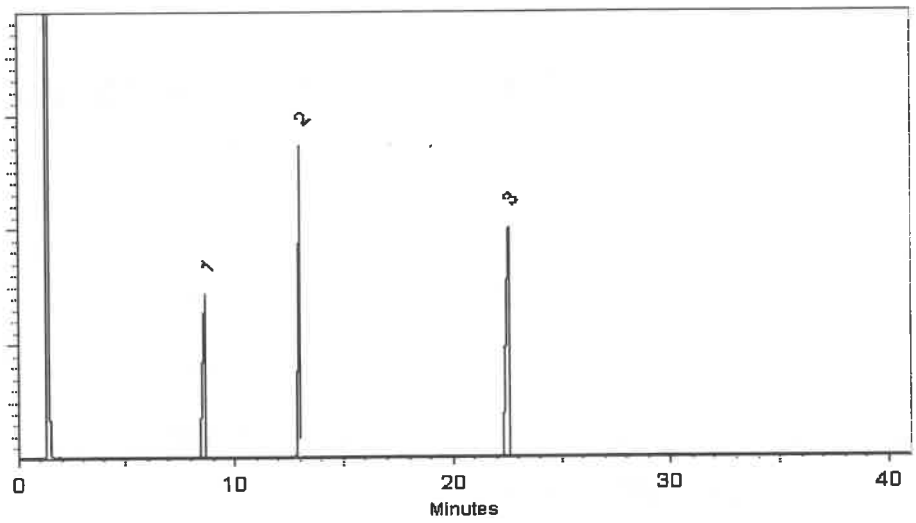

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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CPI INTERNATIONAL

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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

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Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

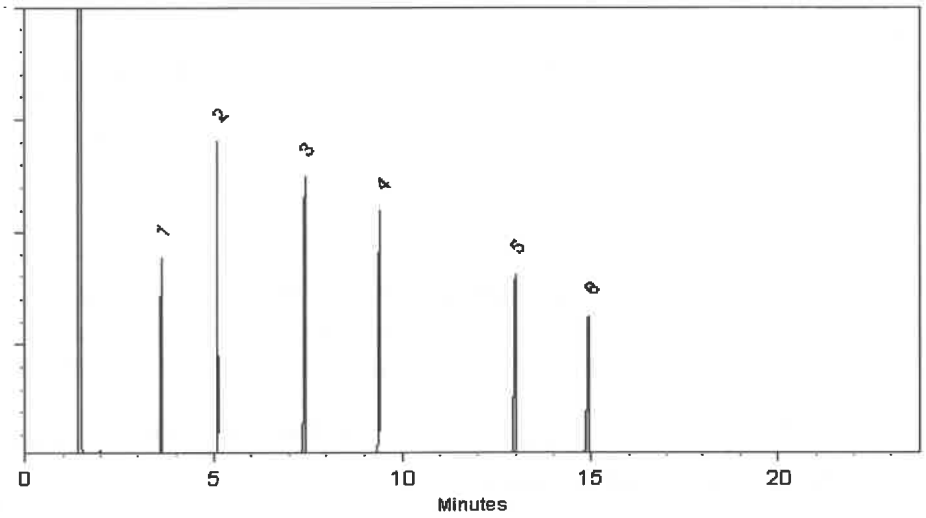
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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. : 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.
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- 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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  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. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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.
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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

- 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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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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

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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

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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

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

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Jess Hoy - Operations Tech I

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Purity 99%

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Purity 99%

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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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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. : 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. : 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.)

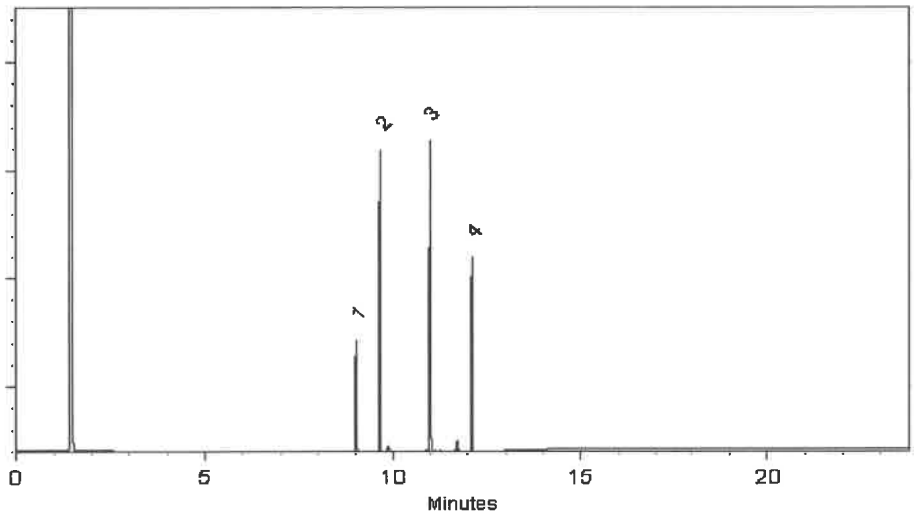
Inj. Temp:
250°C

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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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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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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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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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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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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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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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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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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. : 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
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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)
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.

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. Q1744
COC Number 2046612

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Ave
CITY Audubon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak replacement of SR
PROJECT NO.: 9500000818 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QA&C@BEMS1S.com
PHONE: 610-301-8432 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Shefied St
CITY Mantanside STATE: NJ ZIP: 07093
ATTENTION: Samavia Beasley PHONE: 908-788-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT BEMEDD

ANALYSIS

1: Full TCLP Analysis
2: RCRA parameter
3: PCBs
4: TAL Metals
5: TCL-VOC+10
6: Cr(III) Cr(VI)
7: TCL-SVOCs-BNA+20
8: EPH
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
1.	B-188-SB01	S		X	4/5/25	13:20	9	X	X	X	X	X	X	X	X		
2.	B-158-SB02	S		X	4/5/25	17:10	9	X	X	X	X	X	X	X	X		
3.	~~TB~~				~~NA~~	~~NA~~						~~X~~					
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4-5-25 1040	1.
2. Natalie Zucca	4-7-25 1040	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: IR. Gun #1 "Adjust factor +1"

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1744 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 4/7/2025 11:34:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 4/7/2025 10:40:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1744-01	B-158-SB01	Solid	04/05/2025	13:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1744-03	B-158-SB02	Solid	04/05/2025	17:10	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : CR
Date / Time : 4-7-25 1255

Received By : RL
Date / Time : 4.7.25 12:55

Storage Area : VOA Refridgerator Room