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Cover Page

Order ID : Q1675

Project ID : Stockton

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1675-01	P1
Q1675-02	P2
Q1675-03	P3
Q1675-05	P5
Q1675-06	P6
Q1675-07	T1
Q1675-08	T2
Q1675-09	T3
Q1675-10	T4
Q1675-11	T5
Q1675-12	T6
Q1675-13	D1
Q1675-14	D2
Q1675-15	D3
Q1675-16	D4
Q1675-17	D5
Q1675-18	K1P
Q1675-19	K1
Q1675-20	K2
Q1675-21	K3

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: 4/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 #: **Q1675**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **04/09/2025**

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LAB CHRONICLE

OrderID:	Q1675	**OrderDate:**	3/28/2025 11:22:41 AM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1675-18	**K1P**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-19	**K1**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-20	**K2**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	
Q1675-21	**K3**	**SOIL**			**03/28/25**			**03/28/25**
			SVOCMS Group1	8270E		04/04/25	04/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : K1P									
Q1675-18	K1P	SOIL	Methyl stearate	*	370.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	n-Hexadecanoic acid	*	11,800.000	JB	0	0	ug/Kg
Q1675-18	K1P	SOIL	Octadecanoic acid	*	12,900.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Oleic Acid	*	410.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Pentadecanoic acid, 14-methyl-, n	*	140.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	1-Tetracosene	*	250.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	160.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Benzophenone	*	530.000	J	0	0	ug/Kg
Q1675-18	K1P	SOIL	Bis(2-ethylhexyl)phthalate	*	490.000	J	69.6	200	ug/Kg
			Total Tics :		**27,050.00**				
			Total Concentration:		**27,050.00**				
Client ID : K1									
Q1675-19	K1	SOIL	10-Heneicosene (c,t)	*	95.900	J	0	0	ug/Kg
Q1675-19	K1	SOIL	1-Heneicosyl formate	*	190.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Benzophenone	*	480.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Decahydro-1,1,4a,5,6-pentamethy	*	120.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Hexadecane, 2,6,10,14-tetramethy	*	120.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Methanone, (1-hydroxycyclohexy	*	76.300	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Methyl stearate	*	160.000	J	0	0	ug/Kg
Q1675-19	K1	SOIL	n-Hexadecanoic acid	*	4,200.000	JB	0	0	ug/Kg
Q1675-19	K1	SOIL	Nonadecane	*	87.100	J	0	0	ug/Kg
Q1675-19	K1	SOIL	Octadecanoic acid	*	5,500.000	J	0	0	ug/Kg
			Total Tics :		**11,029.30**				
			Total Concentration:		**11,029.30**				
Client ID : K2									
Q1675-20	K2	SOIL	n-Nonadecanol-1	*	160.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Octadecanoic acid	*	13,000.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Oleic Acid	*	300.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Palmitic Acid, TMS derivative	*	210.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	340.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Benzophenone	*	450.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Hexadecanoic acid, methyl ester	*	220.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	Methyl stearate	*	550.000	J	0	0	ug/Kg
Q1675-20	K2	SOIL	n-Hexadecanoic acid	*	11,000.000	JB	0	0	ug/Kg
Q1675-20	K2	SOIL	Bis(2-ethylhexyl)phthalate	*	95.600	J	61.8	180	ug/Kg
			Total Tics :		**26,325.60**				

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Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**26,325.60**				
Client ID : K3									
Q1675-21	K3	SOIL	.gamma.-Sitosterol	*	4,000.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	2-Methyltetracosane	*	350.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	9,12-Octadecadienoic acid (Z,Z)-	*	4,400.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Dodecanoic acid	*	1,300.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Dotriacontane, 1-iodo-	*	6,800.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Heneicosane	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Heptadecane, 9-octyl-	*	3,800.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexacosane	*	190.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexadecanamide	*	2,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Hexadecanoic acid, methyl ester	*	2,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Methyl stearate	*	4,300.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	n-Hexadecanoic acid	*	57,100.000	JB	0	0	ug/Kg
Q1675-21	K3	SOIL	Octadecane	*	6,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Octadecanoic acid	*	35,700.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Oxirane, tetradecyl-	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Palmitic Acid, TMS derivative	*	3,200.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Pentadecanoic acid	*	2,700.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetracosanal	*	840.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetracosane	*	540.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Tetradecanoic acid	*	770.000	J	0	0	ug/Kg
Q1675-21	K3	SOIL	Diethylphthalate	*	370.000	J	29.5	180	ug/Kg
Q1675-21	K3	SOIL	Bis(2-ethylhexyl)phthalate	*	110.000	J	61.6	180	ug/Kg
			Total Tics :		**138,610.00**				
			Total Concentration:		**138,610.00**				

QC
SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167457BL	PB167457BL	Nitrobenzene-d5	100	86.4	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.4	86		30 (20)	130 (109)
		Terphenyl-d14	100	102	102		30 (10)	130 (105)
PB167457BS	PB167457BS	Nitrobenzene-d5	100	89.7	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	91.6	92		30 (20)	130 (109)
		Terphenyl-d14	100	102	102		30 (10)	130 (105)
Q1675-18	K1P	Nitrobenzene-d5	100	57.5	58		30 (18)	130 (107)
		2-Fluorobiphenyl	100	54.6	55		30 (20)	130 (109)
		Terphenyl-d14	100	57.2	57		30 (10)	130 (105)
Q1675-19	K1	Nitrobenzene-d5	100	58.0	58		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.2	58		30 (20)	130 (109)
		Terphenyl-d14	100	62.1	62		30 (10)	130 (105)
Q1675-20	K2	Nitrobenzene-d5	100	52.3	52		30 (18)	130 (107)
		2-Fluorobiphenyl	100	51.8	52		30 (20)	130 (109)
		Terphenyl-d14	100	56.1	56		30 (10)	130 (105)
Q1675-21	K3	Nitrobenzene-d5	100	96.6	97		30 (18)	130 (107)
		2-Fluorobiphenyl	100	96.5	97		30 (20)	130 (109)
		Terphenyl-d14	100	88.9	89		30 (10)	130 (105)
Q1721-02MS	AU-05-040325MS	Nitrobenzene-d5	100	64.4	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.3	61		30 (20)	130 (109)
		Terphenyl-d14	100	57.9	58		30 (10)	130 (105)
Q1721-02MSD	AU-05-040325MSD	Nitrobenzene-d5	100	69.5	69		30 (18)	130 (107)
		2-Fluorobiphenyl	100	67.3	67		30 (20)	130 (109)
		Terphenyl-d14	100	61.8	62		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1721-02MS		**Client Sample ID: AU-05-040325MS**						**DataFile: BM049840.D**			
Naphthalene	1100	0	1200	ug/Kg	109				70 (72)	130 (110)	
2-Methylnaphthalene	1100	0	1100	ug/Kg	100				70 (59)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1721-02MSD		**Client Sample ID:** AU-05-040325MSD						**DataFile:** BM049841.D			
Naphthalene	1100	0	1300	ug/Kg	118		8		70 (72)	130 (110)	30 (20)
2-Methylnaphthalene	1100	0	1200	ug/Kg	109		9		70 (59)	130 (123)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: 8270E **DataFile:** BM049835.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167457BS	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167457BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049834.D Lab Sample ID: PB167457BL

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

Matrix: (soil/water) SOIL Date Analyzed: 04/07/2025

Level: (low/med) LOW Time Analyzed: 11:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167457BS	PB167457BS	BM049835.D	04/07/2025
K3	Q1675-21	BM049836.D	04/07/2025
K2	Q1675-20	BM049837.D	04/07/2025
K1P	Q1675-18	BM049838.D	04/07/2025
K1	Q1675-19	BM049839.D	04/07/2025
AU-05-040325MS	Q1721-02MS	BM049840.D	04/07/2025
AU-05-040325MSD	Q1721-02MSD	BM049841.D	04/07/2025

COMMENTS:

Raw Data: **BM049705.D**

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049705.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	40.9
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	6.9
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	10.2
442	Greater than 50% of mass 198	63.7
443	15.0 - 24.0% of mass 442	12.4 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM049706.D	03/13/2025	09:02
SSTDICC005	SSTDICC005	BM049707.D	03/13/2025	09:42
SSTDICC010	SSTDICC010	BM049708.D	03/13/2025	10:21
SSTDICC020	SSTDICC020	BM049709.D	03/13/2025	11:00
SSTDICCC040	SSTDICCC040	BM049710.D	03/13/2025	11:39
SSTDICC050	SSTDICC050	BM049711.D	03/13/2025	12:19
SSTDICC060	SSTDICC060	BM049712.D	03/13/2025	12:58
SSTDICC080	SSTDICC080	BM049713.D	03/13/2025	13:37

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: BM049832.D DFTPP Injection Date: 04/07/2025

Instrument ID: BNA_M DFTPP Injection Time: 10:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	37
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	6.9
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	10.9
442	Greater than 50% of mass 198	69.3
443	15.0 - 24.0% of mass 442	13.5 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM049833.D	04/07/2025	10:43
PB167457BL	PB167457BL	BM049834.D	04/07/2025	11:23
PB167457BS	PB167457BS	BM049835.D	04/07/2025	12:02
K3	Q1675-21	BM049836.D	04/07/2025	12:45
K2	Q1675-20	BM049837.D	04/07/2025	13:24
K1P	Q1675-18	BM049838.D	04/07/2025	14:04
K1	Q1675-19	BM049839.D	04/07/2025	14:43
AU-05-040325MS	Q1721-02MS	BM049840.D	04/07/2025	15:22
AU-05-040325MSD	Q1721-02MSD	BM049841.D	04/07/2025	16:02

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/07/2025

Lab File ID: BM049833.D Time Analyzed: 10:43

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	332328	7.787	1151320	10.58	736916	14.43
	UPPER LIMIT	664656	8.287	2302640	11.081	1473830	14.927
	LOWER LIMIT	166164	7.287	575660	10.081	368458	13.927
	EPA SAMPLE NO.						
01	PB167457BL	317785	7.79	1088350	10.58	684928	14.43
02	PB167457BS	302641	7.79	1057940	10.58	655262	14.43
03	K2	388663	7.79	1349630	10.58	890473	14.43
04	K3	363599	7.79	1272900	10.58	788938	14.43
05	K1P	359832	7.78	1263450	10.58	811796	14.43
06	K1	377673	7.78	1316950	10.58	831557	14.43
07	AU-05-040325MS	392804	7.79	1404250	10.58	888245	14.43
08	AU-05-040325MSD	368877	7.79	1283320	10.58	802650	14.43

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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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/07/2025

Lab File ID: BM049833.D Time Analyzed: 10:43

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	1449930	17.168	1423470	21.409	1559770	24.415
	UPPER LIMIT	2899860	17.668	2846940	21.909	3119540	24.915
	LOWER LIMIT	724965	16.668	711735	20.909	779885	23.915
	EPA SAMPLE NO.						
01	PB167457BL	1337160	17.17	1275920	21.40	1458540	24.41
02	PB167457BS	1274580	17.17	1227510	21.41	1340440	24.41
03	K2	1740090	17.17	1657120	21.40	1901760	24.41
04	K3	1589870	17.17	1823030	21.41	1861600	24.42
05	K1P	1511490	17.17	1443650	21.40	1643720	24.41
06	K1	1563940	17.17	1483520	21.40	1673410	24.41
07	AU-05-040325MS	1716280	17.17	1693340	21.41	1886440	24.41
08	AU-05-040325MSD	1533780	17.17	1544490	21.41	1732650	24.42

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

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

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

Alliance
TECHNICAL GROUP

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1P			SDG No.:	Q1675
Lab Sample ID:	Q1675-18			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	84.8
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049838.D	1	04/04/25 10:32	04/07/25 14:04	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	26.7	U	26.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.1	U	30.1	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		30 (18) - 130 (107)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.6		30 (20) - 130 (109)	55%	SPK: 100
1718-51-0	Terphenyl-d14	57.2		30 (10) - 130 (105)	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	360000	7.781			
1146-65-2	Naphthalene-d8	1260000	10.58			
15067-26-2	Acenaphthene-d10	812000	14.427			
1517-22-2	Phenanthrene-d10	1510000	17.168			
1719-03-5	Chrysene-d12	1440000	21.403			
1520-96-3	Perylene-d12	1640000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	530	J		15.8	ug/Kg
005129-60-2	Pentadecanoic acid, 14-methyl-, me	140	J		17.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	11800	JB		18.1	ug/Kg
000112-61-8	Methyl stearate	370	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	160	J		19.2	ug/Kg
000112-80-1	Oleic Acid	410	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	12900	J		19.4	ug/Kg
010192-32-2	1-Tetracosene	250	J		21.1	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	490	J		21.3	ug/Kg

Raw Data: **BM049838.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1P			SDG No.:	Q1675
Lab Sample ID:	Q1675-18			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	84.8
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049838.D	1	04/04/25 10:32	04/07/25 14:04	PB167457

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\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

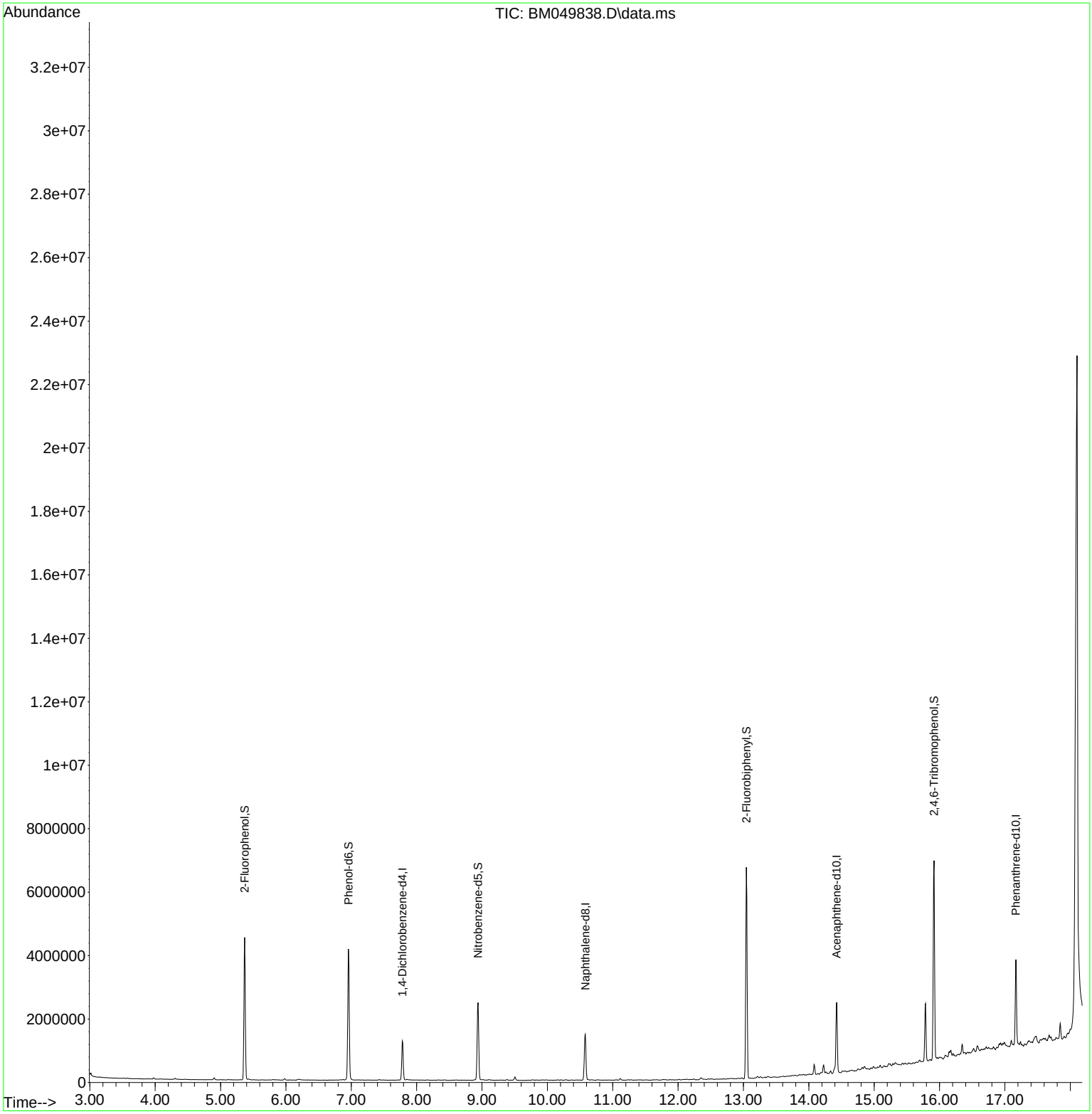
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	359832	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1263445	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	811796	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1511487	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1443653	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1643723	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1985128	93.087	ng	-0.02
7) Phenol-d6	6.957	99	2415578	90.260	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1416069	57.544	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1303619	137.522	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3537935	54.581	ng	-0.02
79) Terphenyl-d14	19.798	244	4902521	57.225	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.315	149	610951	12.524	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

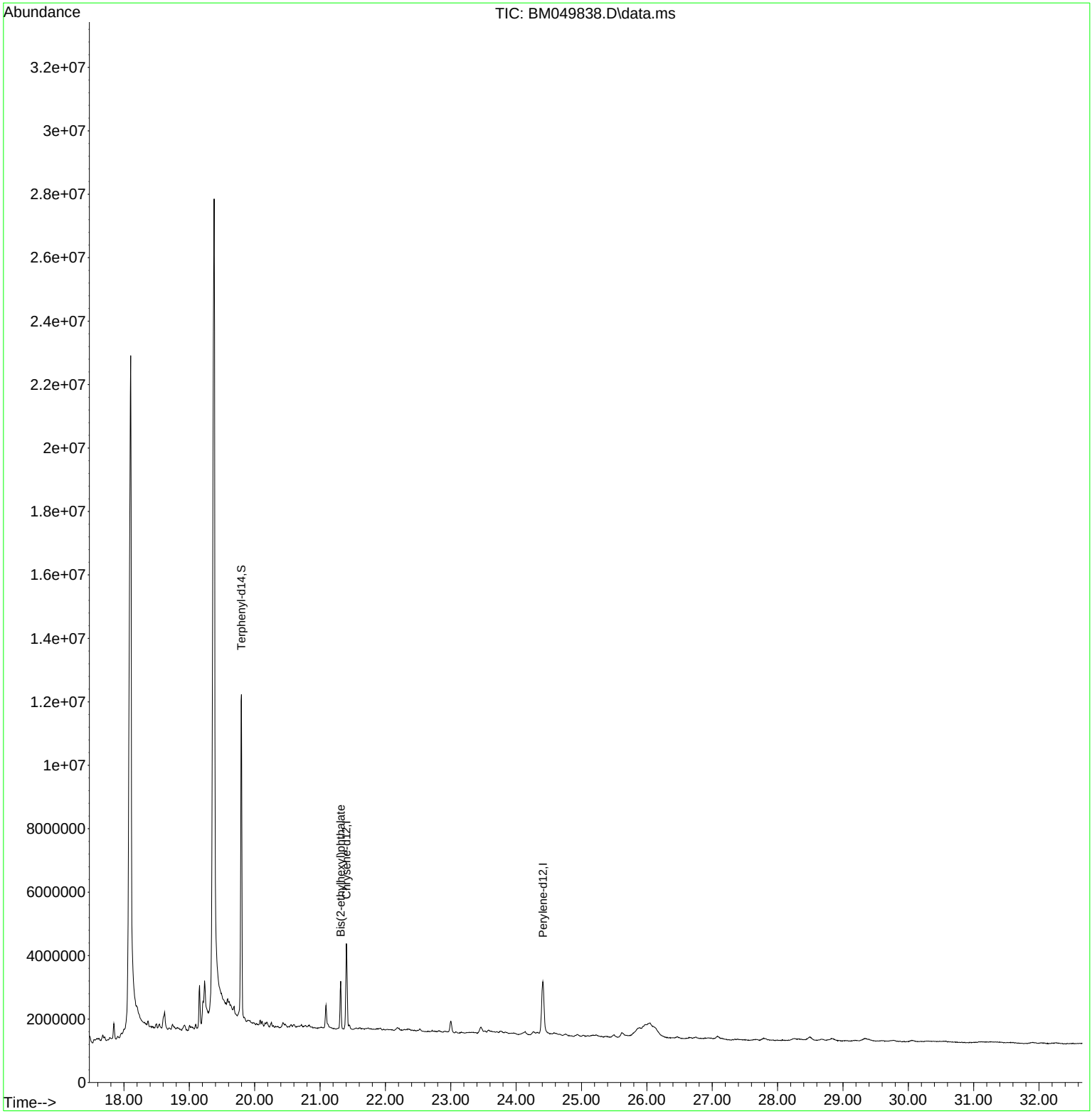


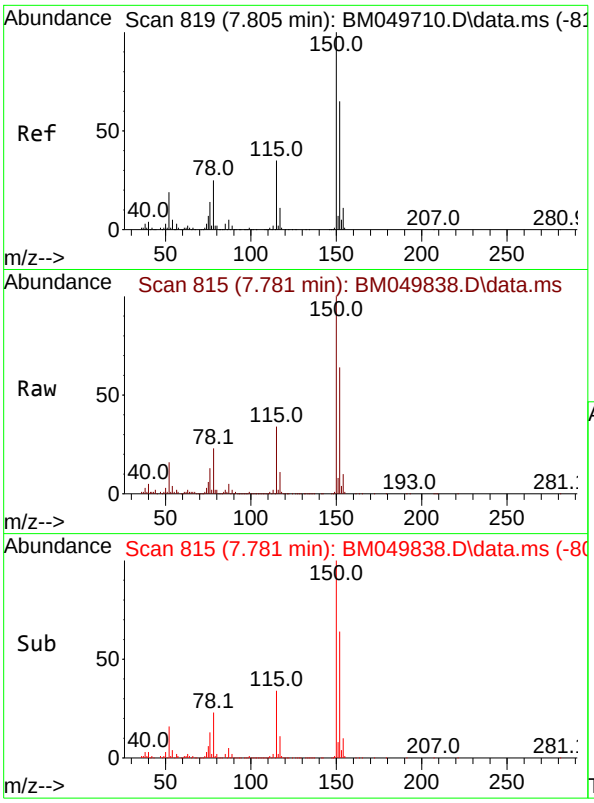
Sample Results: **BM049838.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049838.D
Acq On : 07 Apr 2025 14:04
Operator : RC/JU
Sample : Q1675-18
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1P

Quant Time: Apr 07 14:55:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



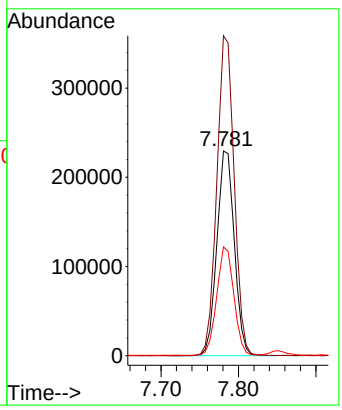


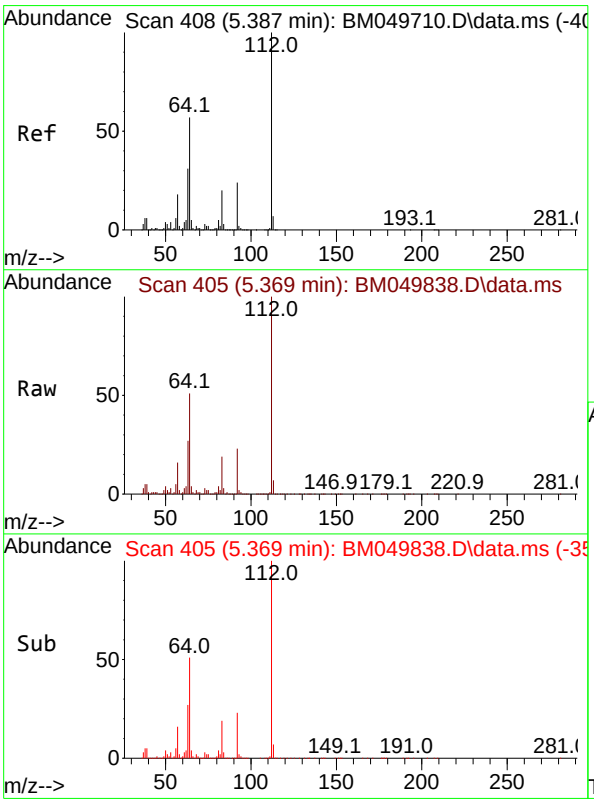
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:152 Resp: 359832

Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.8	185.8
115	53.1	43.0	64.6

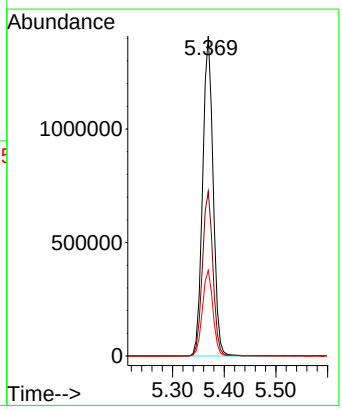


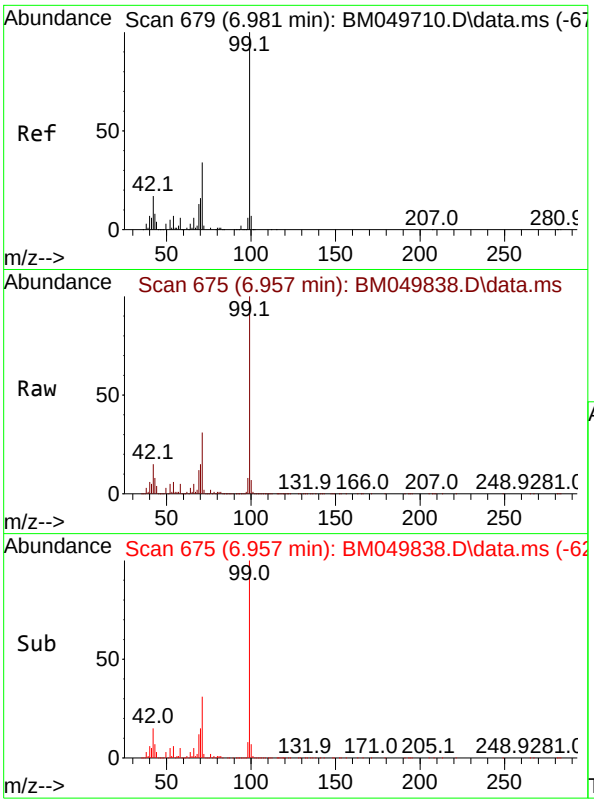


#5
2-Fluorophenol
Concen: 93.087 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:112 Resp: 1985128

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.7	24.4	36.6



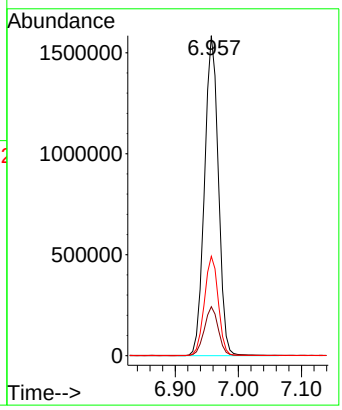


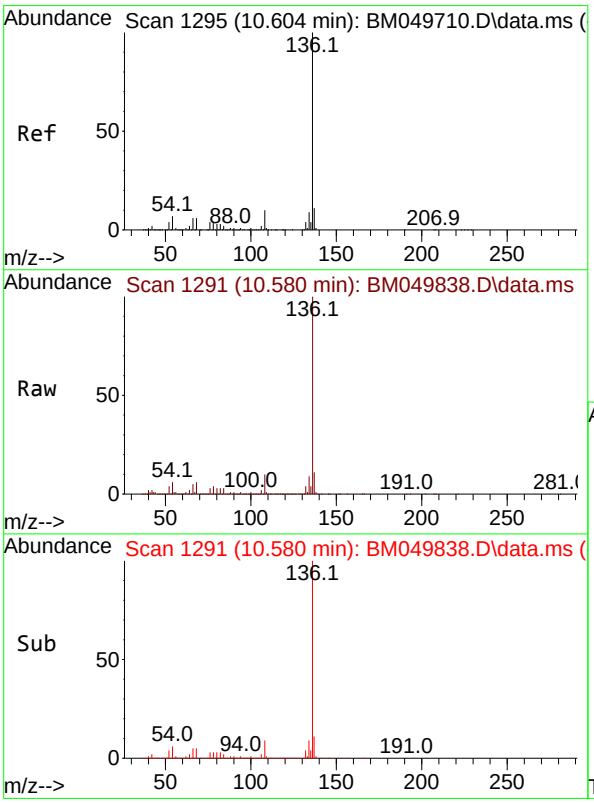
#7
Phenol-d6
Concen: 90.260 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion: 99 Resp: 2415578

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.6	20.4
71	31.1	27.0	40.6

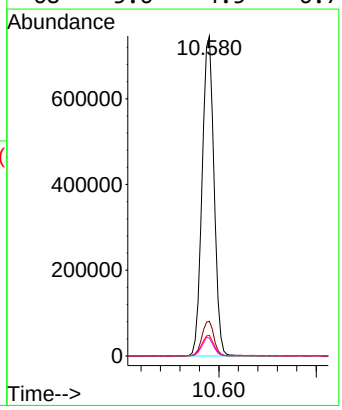


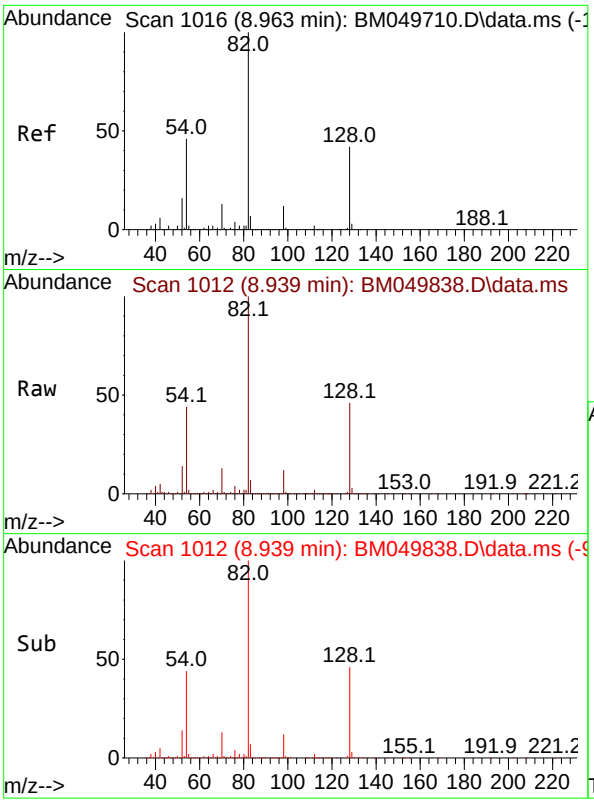


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:136 Resp: 1263445

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.4	5.8	8.8
68	5.6	4.5	6.7



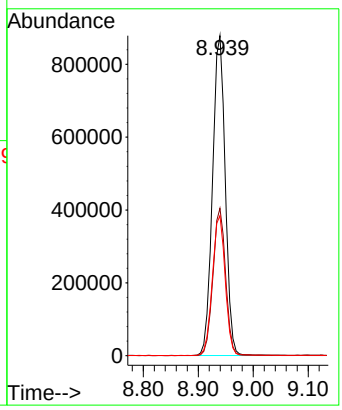


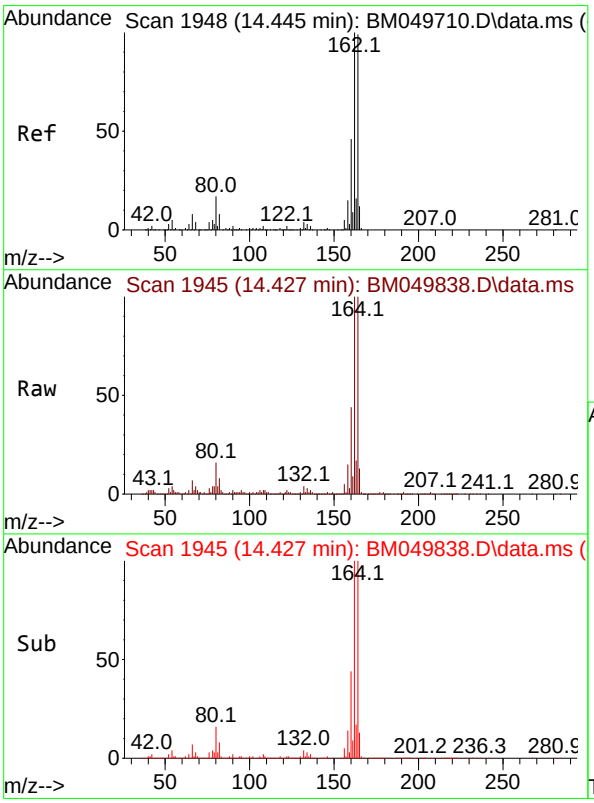
#23
Nitrobenzene-d5
Concen: 57.544 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion: 82 Resp: 1416069

Ion	Ratio	Lower	Upper
82	100		
128	46.0	33.4	50.0
54	43.7	36.4	54.6

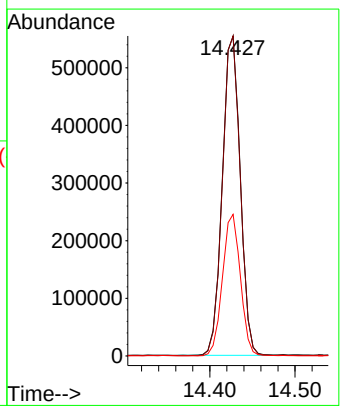


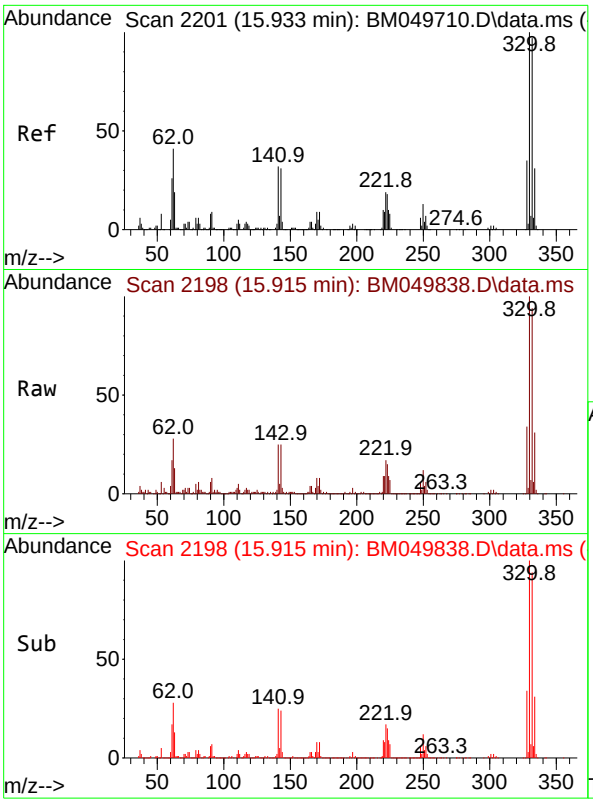


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:164 Resp: 811796

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.5	120.7
160	44.3	36.9	55.3



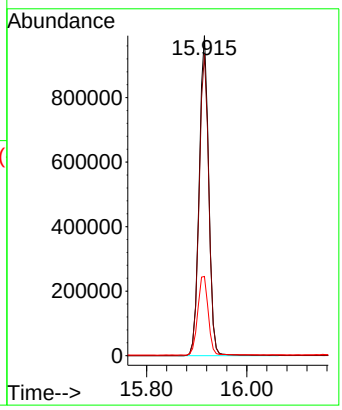


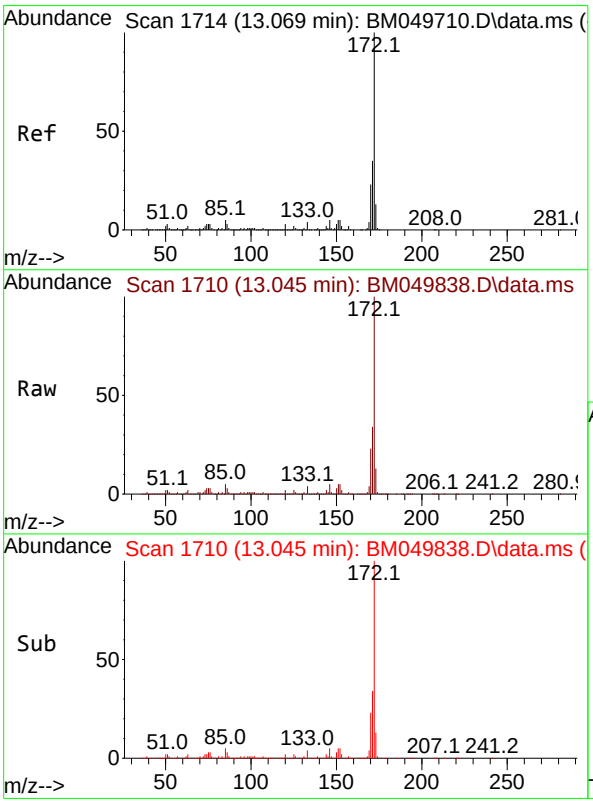
#42
2,4,6-Tribromophenol
Concen: 137.522 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:330 Resp: 1303619

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.4
141	27.0	27.8	41.6#

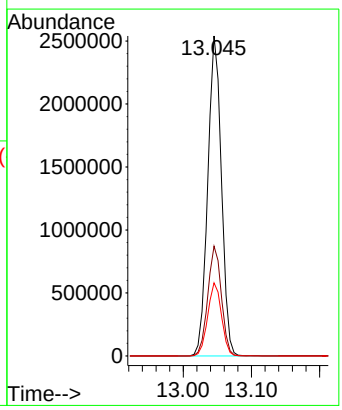


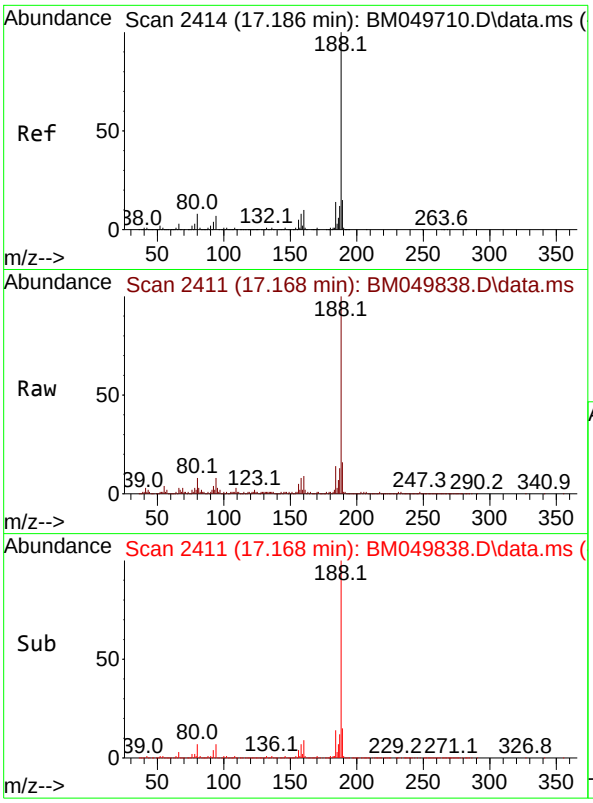


#45
2-Fluorobiphenyl
Concen: 54.581 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:172 Resp: 3537935

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	22.8	18.6	28.0



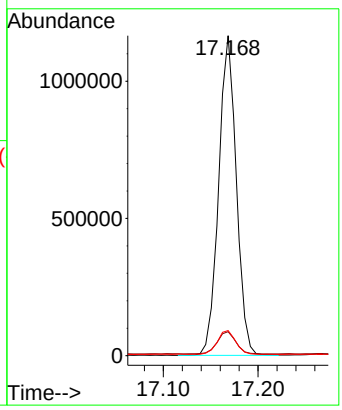


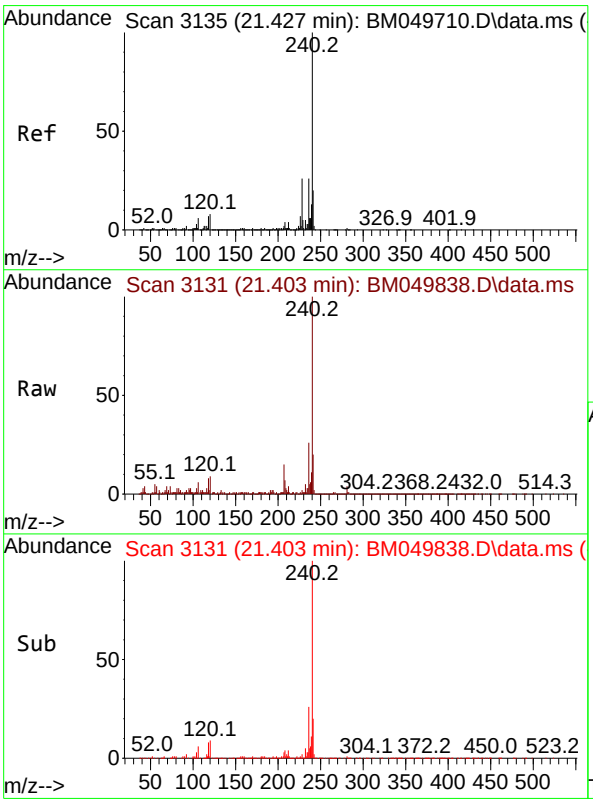
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:188 Resp: 1511487

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.8	6.3	9.5

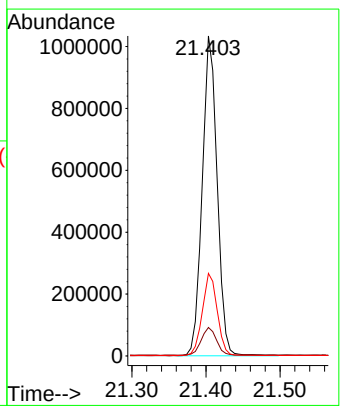


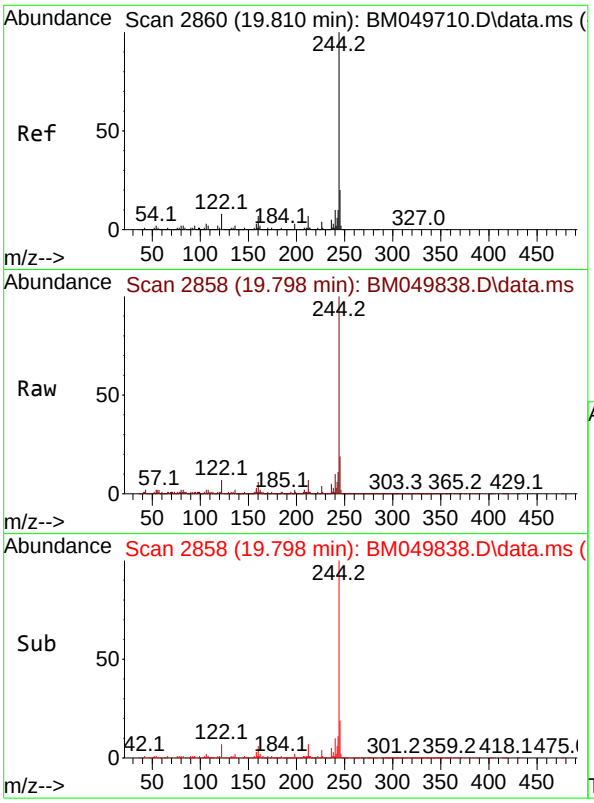


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:240 Resp: 1443653

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	25.8	20.7	31.1



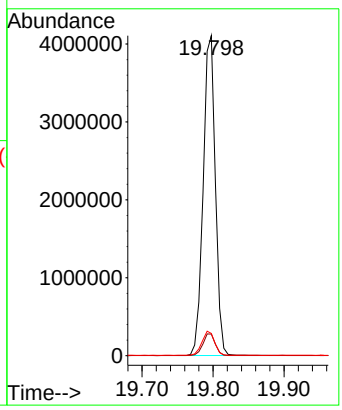


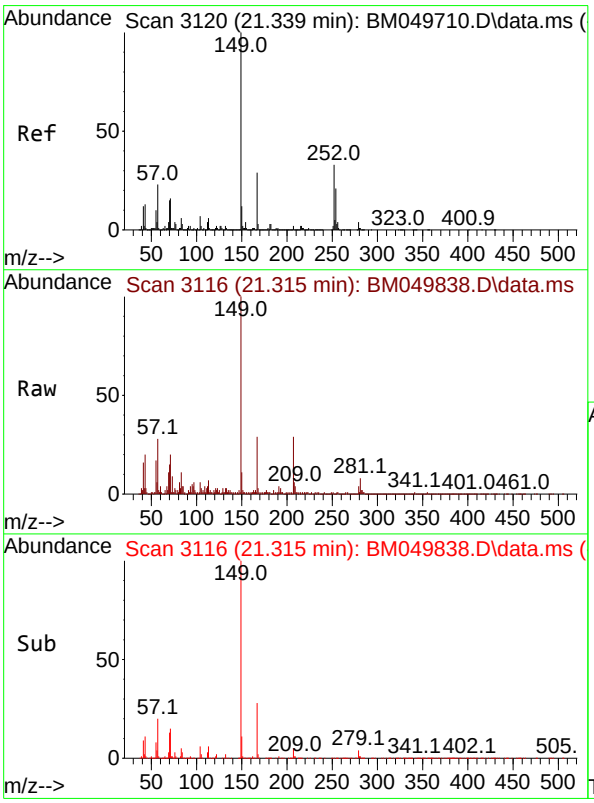
#79
Terphenyl-d14
Concen: 57.225 ng
RT: 19.798 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:244 Resp: 4902521

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	6.9	6.0	9.0

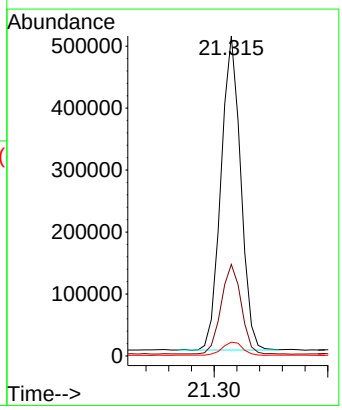


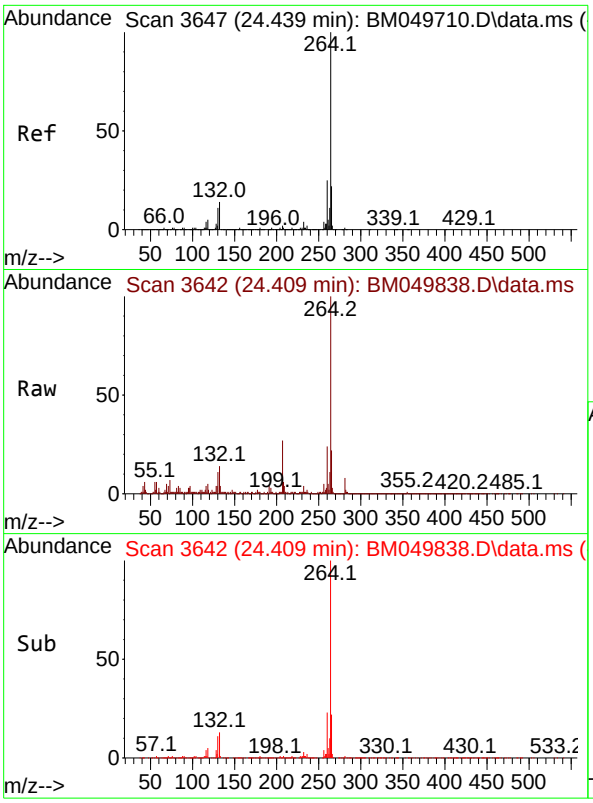


#84
Bis(2-ethylhexyl)phthalate
Concen: 12.524 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Tgt Ion:149 Resp: 610951

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	4.3	3.5	5.3



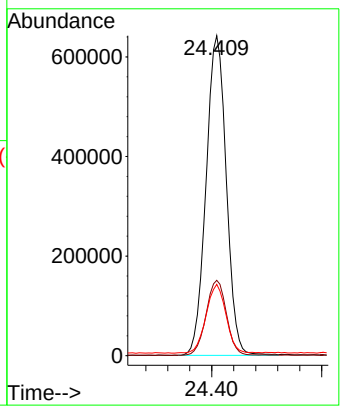


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049838.D
Acq: 07 Apr 2025 14:04

Instrument :
BNA_M
ClientSampleId :
K1P

Tgt Ion:264 Resp: 1643723

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	22.3	18.2	27.2



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

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1			SDG No.:	Q1675
Lab Sample ID:	Q1675-19			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.5
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049839.D	1	04/04/25 10:32	04/07/25 14:43	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.7	U	23.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.8	U	26.8	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	58.0		30 (18) - 130 (107)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.2		30 (20) - 130 (109)	58%	SPK: 100
1718-51-0	Terphenyl-d14	62.1		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	378000	7.781			
1146-65-2	Naphthalene-d8	1320000	10.581			
15067-26-2	Acenaphthene-d10	832000	14.427			
1517-22-2	Phenanthrene-d10	1560000	17.168			
1719-03-5	Chrysene-d12	1480000	21.403			
1520-96-3	Perylene-d12	1670000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	120	J		13.2	ug/Kg
000119-61-9	Benzophenone	480	J		15.8	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	120	J		16.2	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	76.3	J		16.3	ug/Kg
000629-92-5	Nonadecane	87.1	J		17.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	4200	JB		18.1	ug/Kg
000112-61-8	Methyl stearate	160	J		19.2	ug/Kg
095008-11-0	10-Heneicosene (c,t)	95.9	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	5500	J		19.4	ug/Kg
077899-03-7	1-Heneicosyl formate	190	J		21.1	ug/Kg

Raw Data: **BM049839.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K1			SDG No.:	Q1675
Lab Sample ID:	Q1675-19			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.5
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049839.D	1	04/04/25 10:32	04/07/25 14:43	PB167457

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\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

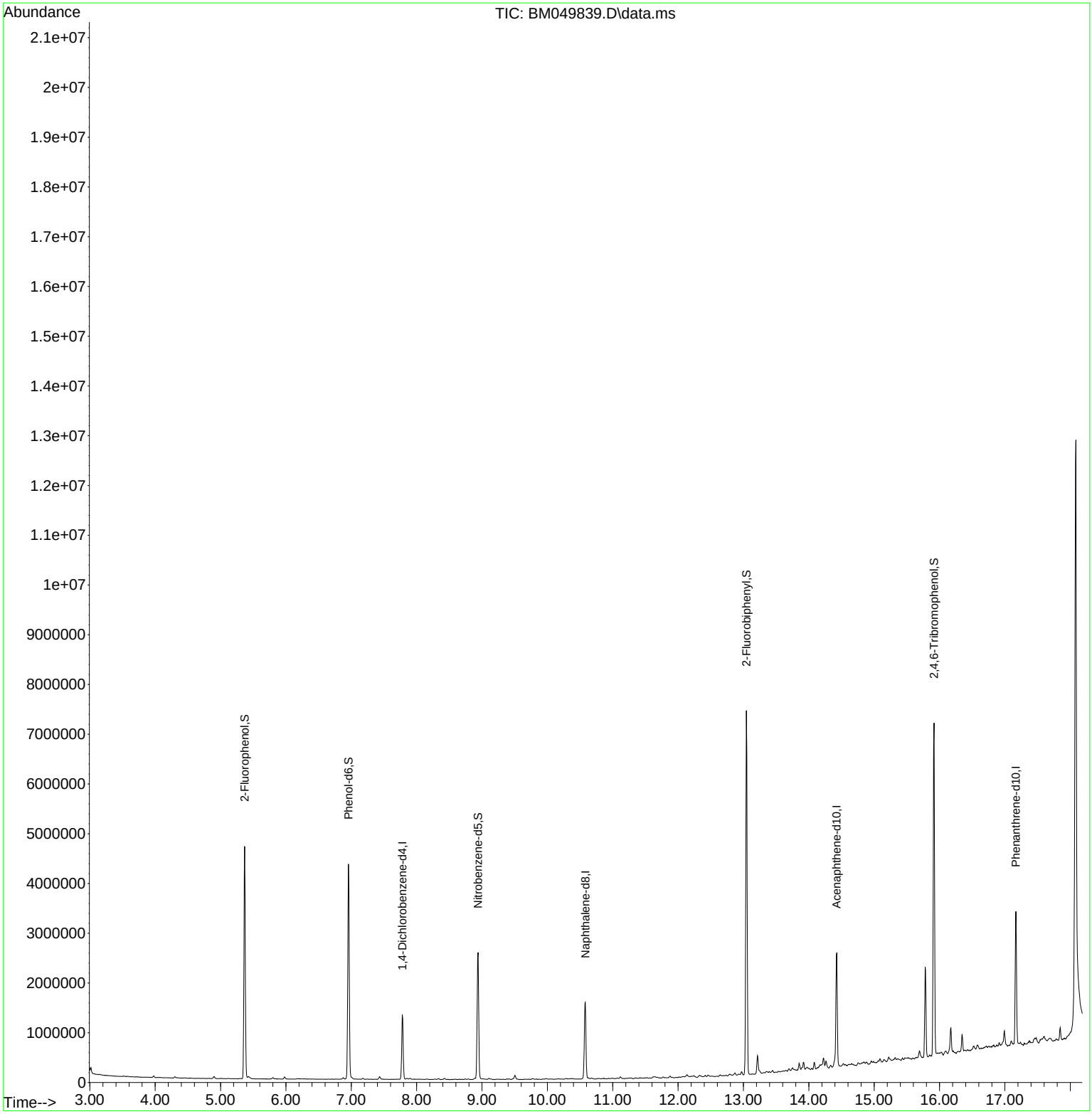
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	377673	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1316947	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	831557	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1563937	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1483521	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1673412	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2098672	93.762	ng	-0.02
7) Phenol-d6	6.957	99	2507550	89.270	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1488547	58.032	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	1363728	140.444	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3865895	58.223	ng	-0.02
79) Terphenyl-d14	19.792	244	5465209	62.079	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

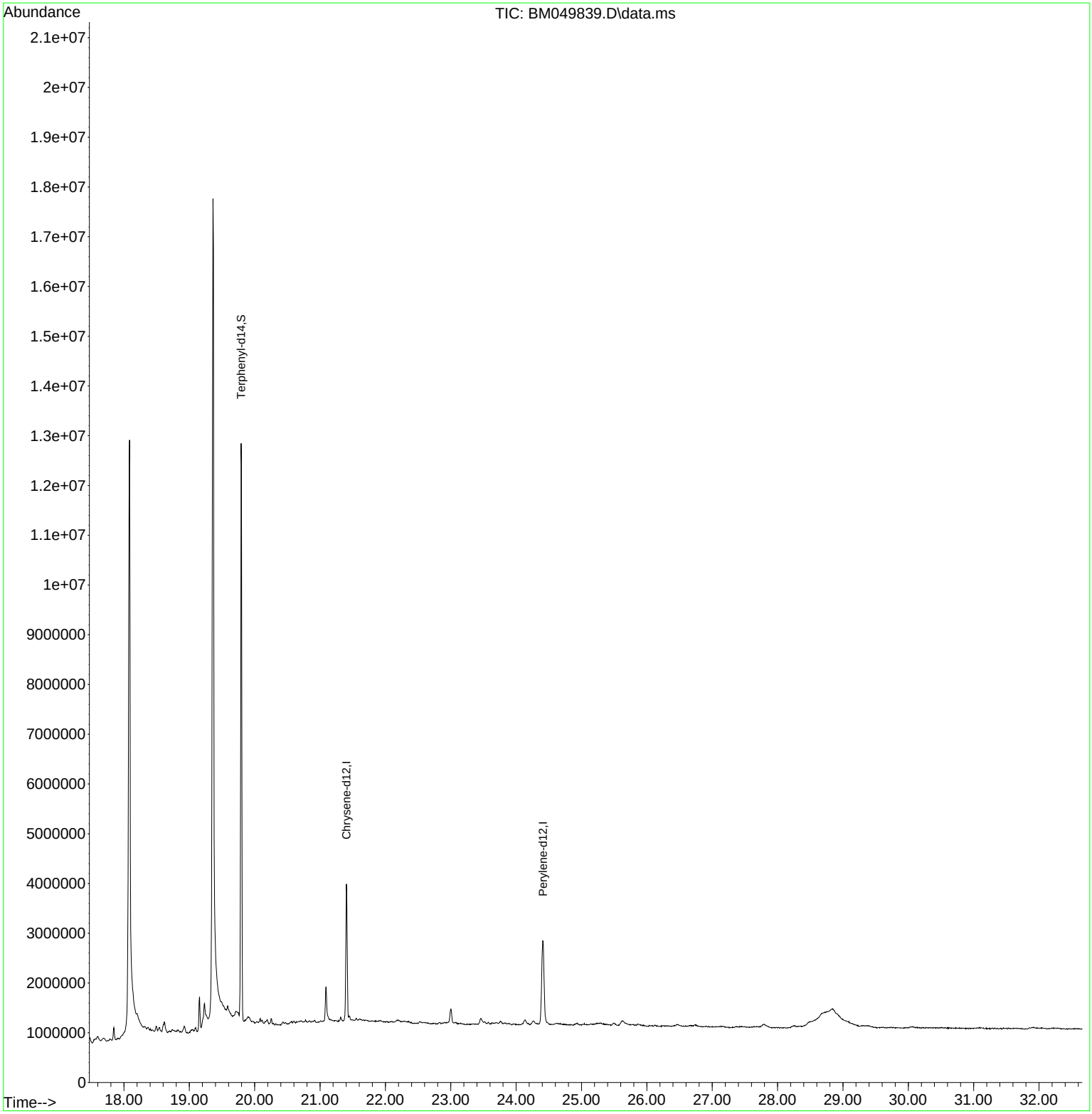
Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

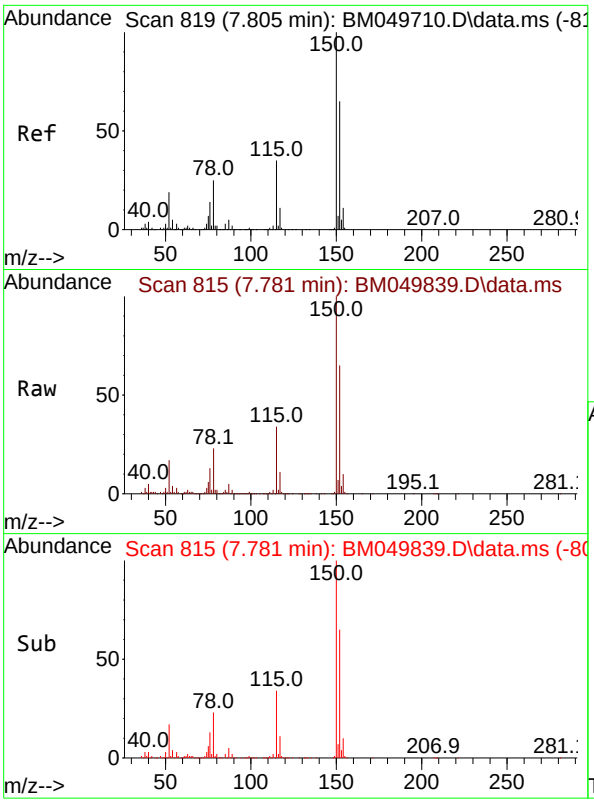


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049839.D
Acq On : 07 Apr 2025 14:43
Operator : RC/JU
Sample : Q1675-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K1

Quant Time: Apr 07 15:40:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



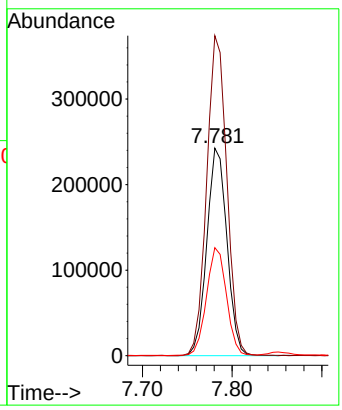


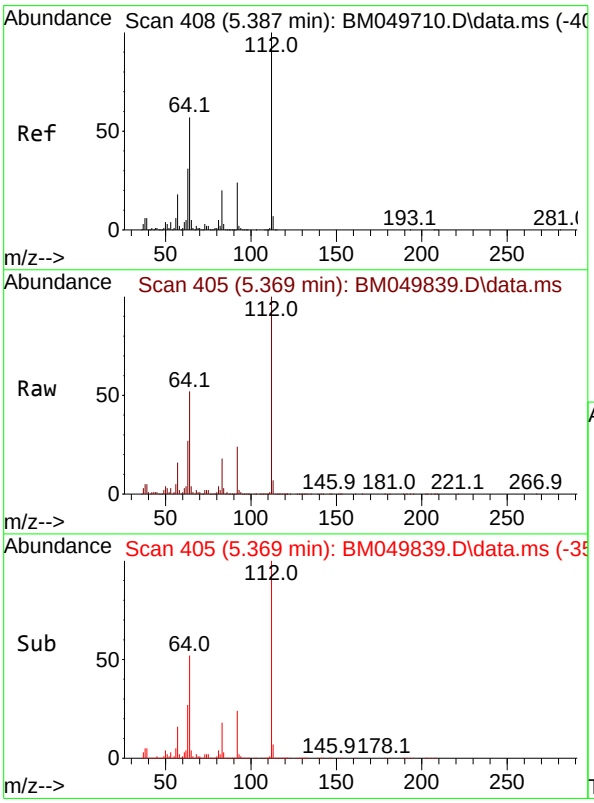
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:152 Resp: 377673

Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.8	185.8
115	52.0	43.0	64.6

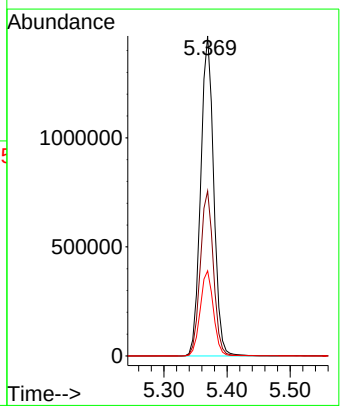


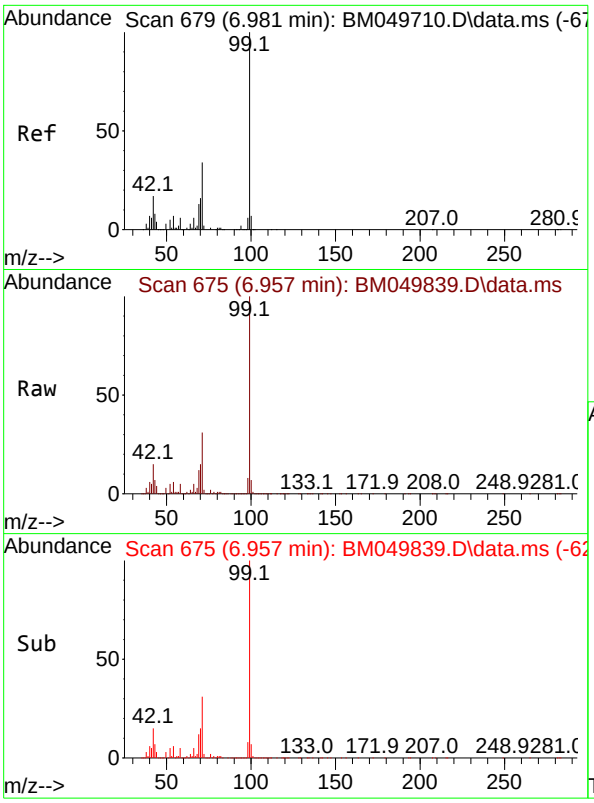


#5
2-Fluorophenol
Concen: 93.762 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:112 Resp: 2098672

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.6	24.4	36.6



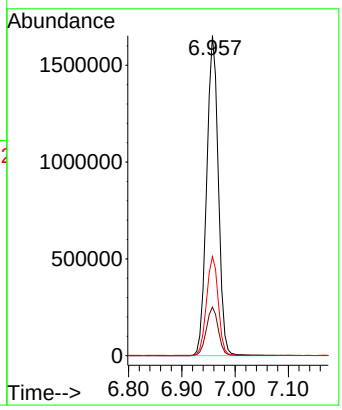


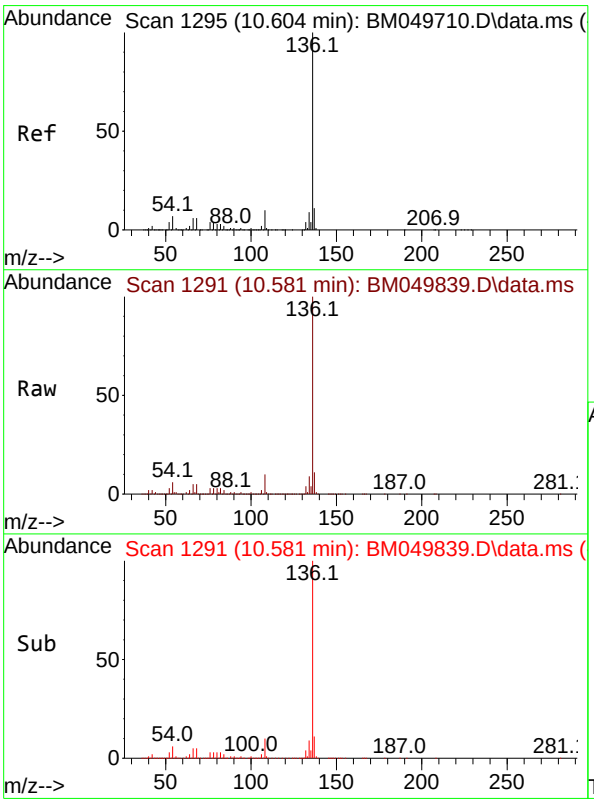
#7
Phenol-d6
Concen: 89.270 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion: 99 Resp: 2507550

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.6	20.4
71	31.0	27.0	40.6

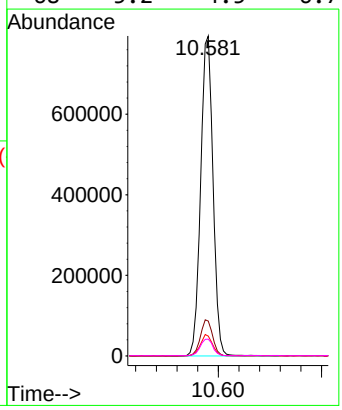


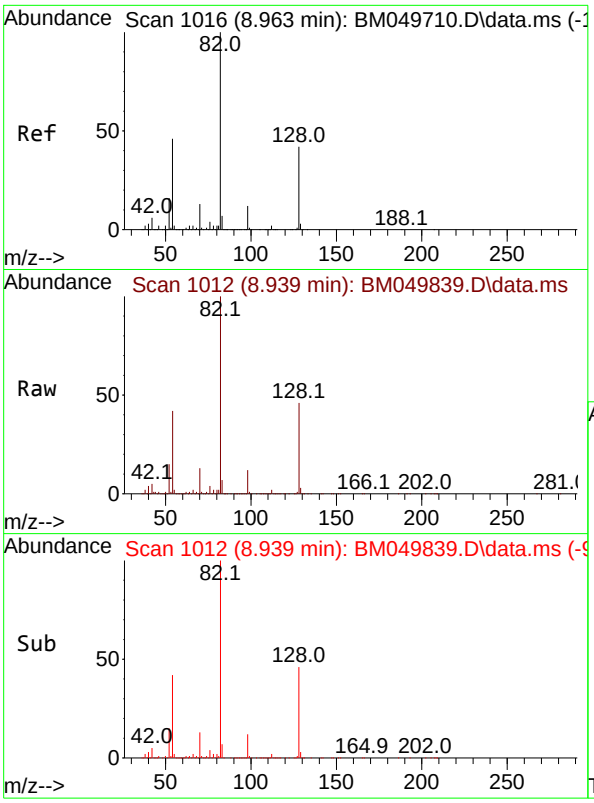


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:136 Resp: 1316947

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.2	5.8	8.8
68	5.2	4.5	6.7



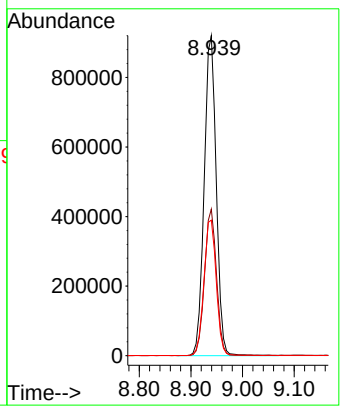


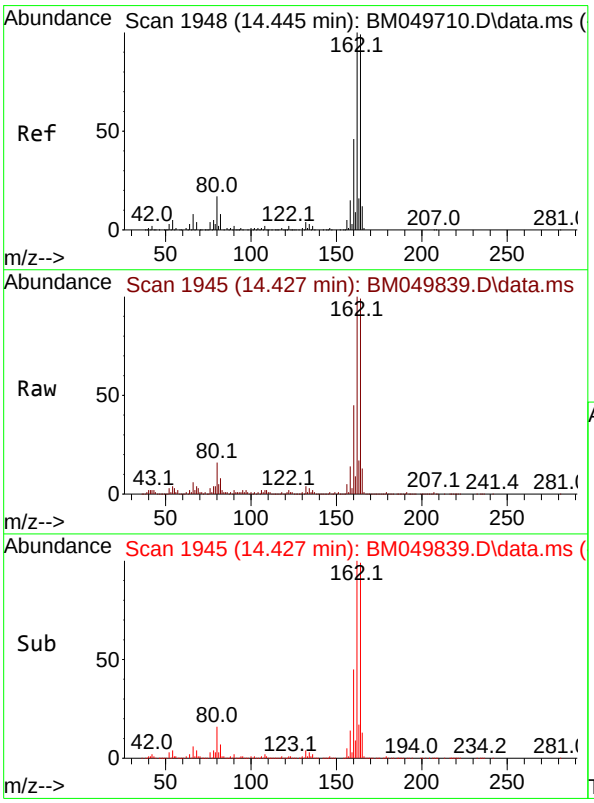
#23
Nitrobenzene-d5
Concen: 58.032 ng
RT: 8.939 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion: 82 Resp: 1488547

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.4	50.0
54	42.3	36.4	54.6

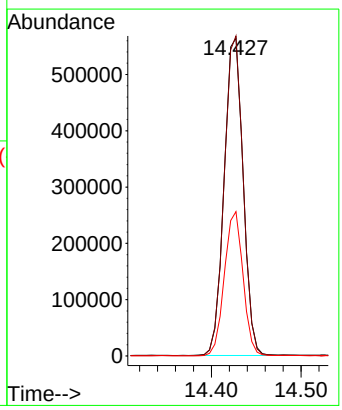


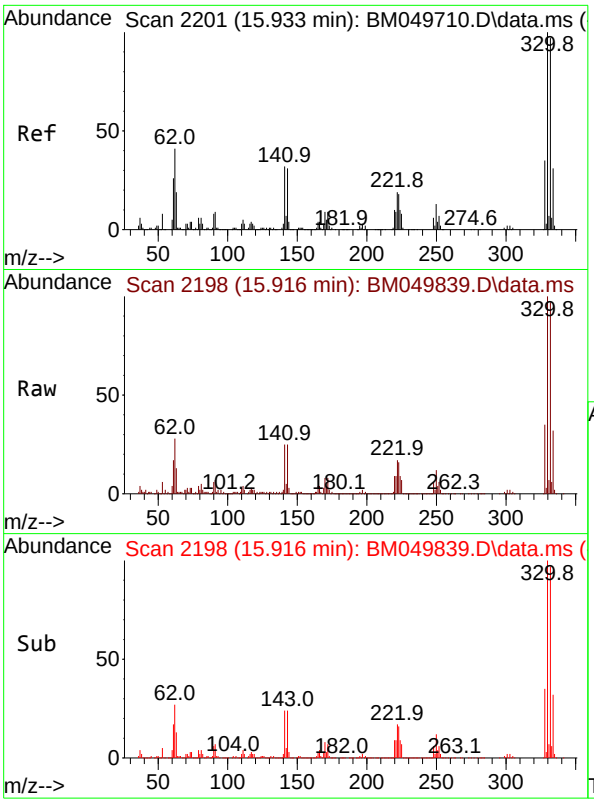


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:164 Resp: 831557

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.5	120.7
160	45.4	36.9	55.3



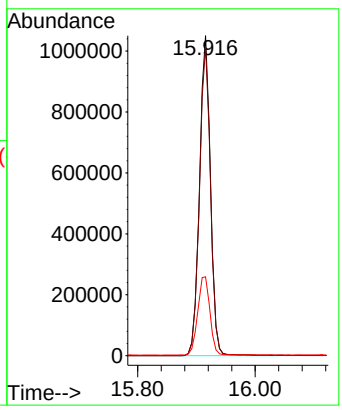


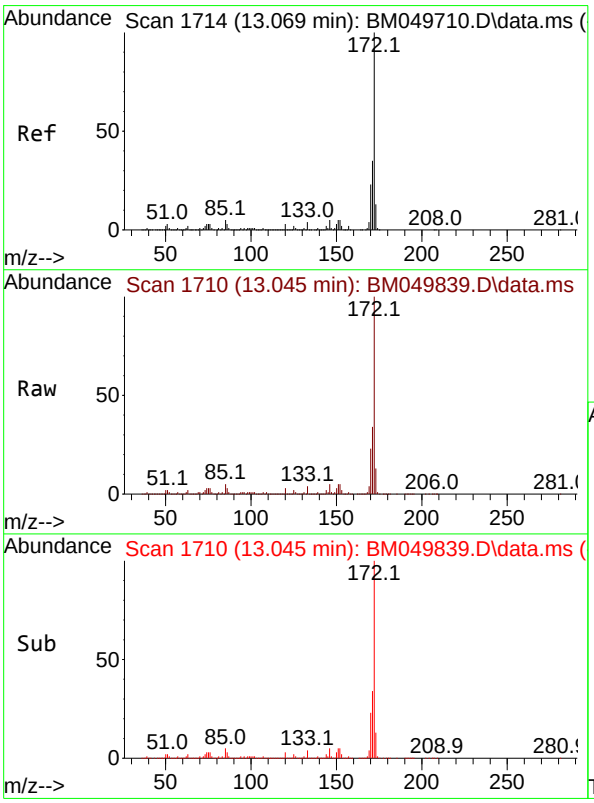
#42
2,4,6-Tribromophenol
Concen: 140.444 ng
RT: 15.916 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:330 Resp: 1363728

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.4
141	27.1	27.8	41.6#

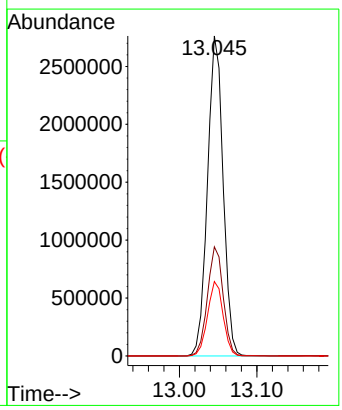


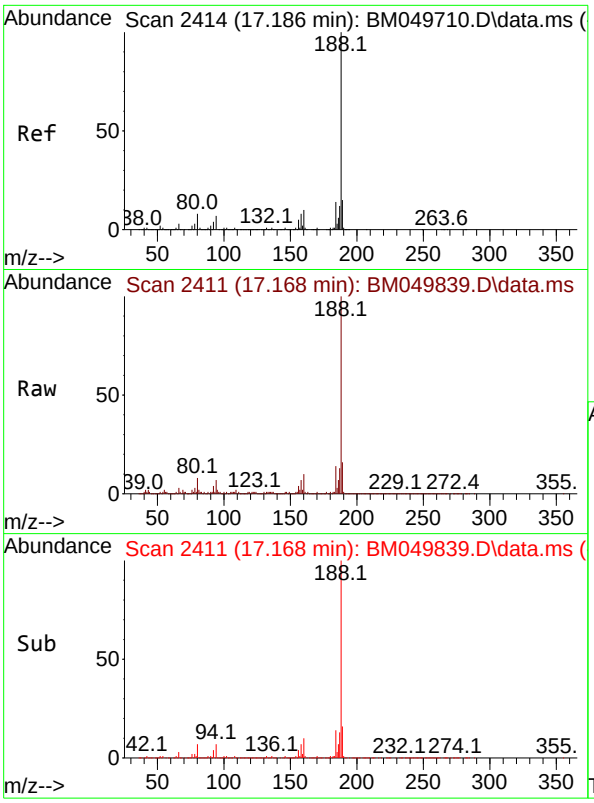


#45
2-Fluorobiphenyl
Concen: 58.223 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:172 Resp: 3865895

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.9	41.9
170	23.2	18.6	28.0



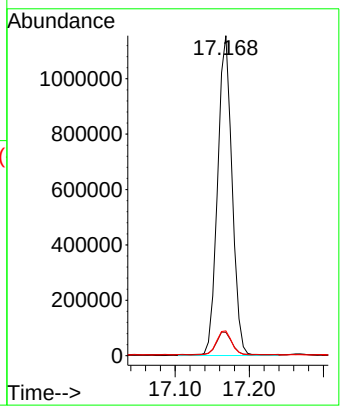


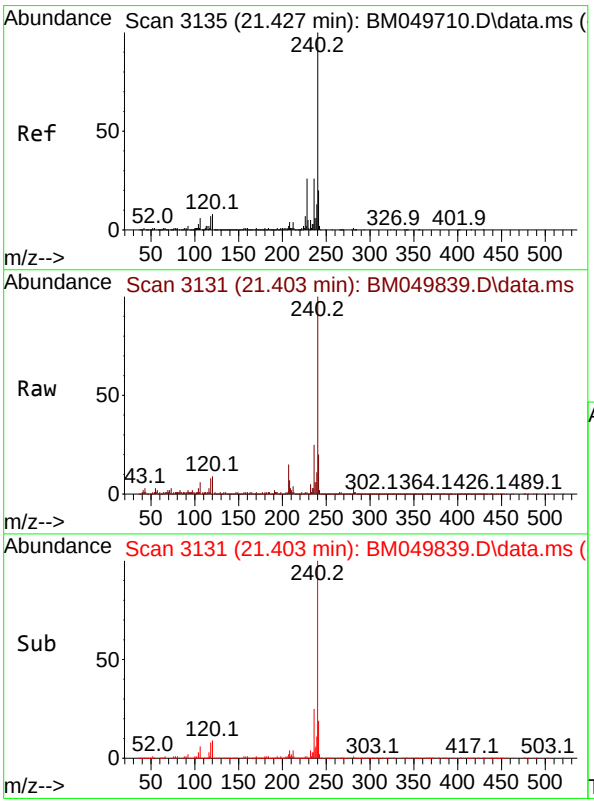
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:188 Resp: 1563937

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.8	6.3	9.5

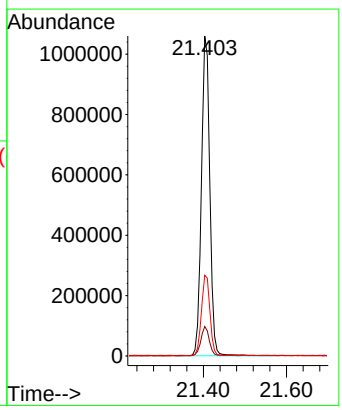


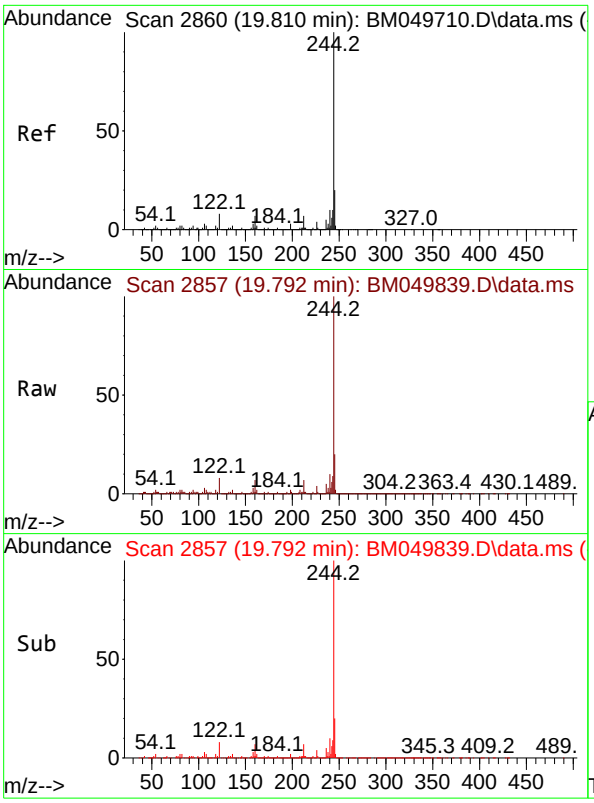


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:240 Resp: 1483521

Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.5	9.7
236	25.2	20.7	31.1



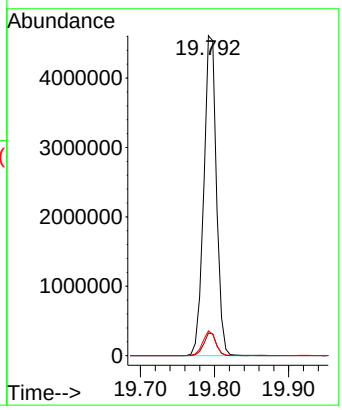


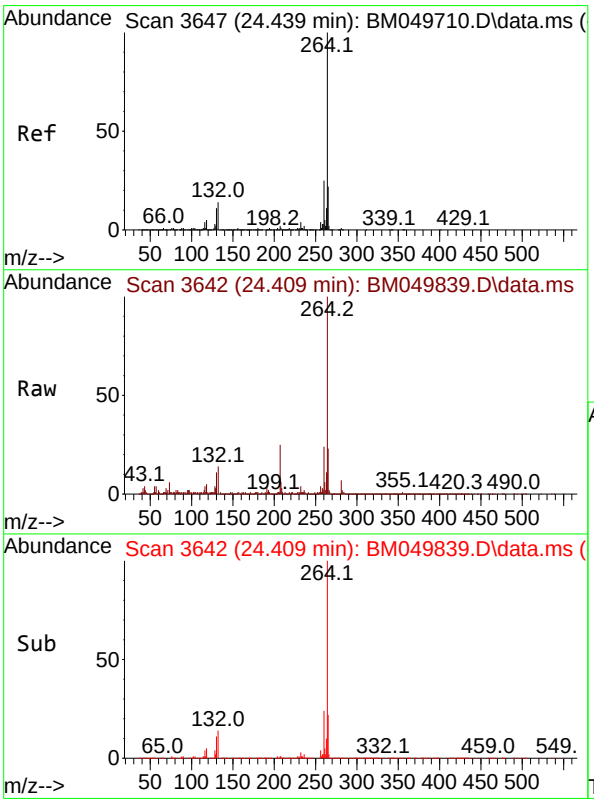
#79
Terphenyl-d14
Concen: 62.079 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Instrument :
BNA_M
ClientSampleId :
K1

Tgt Ion:244 Resp: 5465209

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	7.8	6.0	9.0

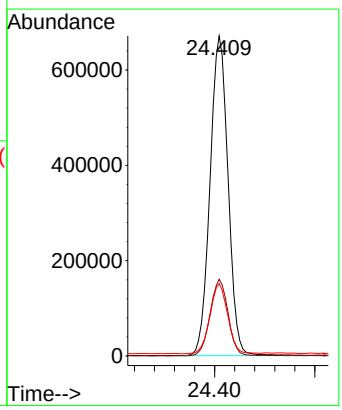




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049839.D
Acq: 07 Apr 2025 14:43

Tgt Ion:264 Resp: 1673412

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	22.6	18.2	27.2



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

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K2			SDG No.:	Q1675
Lab Sample ID:	Q1675-20			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.7
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049837.D	1	04/04/25 10:32	04/07/25 13:24	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.7	U	23.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.7	U	26.7	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	52.3		30 (18) - 130 (107)	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.8		30 (20) - 130 (109)	52%	SPK: 100
1718-51-0	Terphenyl-d14	56.1		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	389000	7.786			
1146-65-2	Naphthalene-d8	1350000	10.58			
15067-26-2	Acenaphthene-d10	890000	14.427			
1517-22-2	Phenanthrene-d10	1740000	17.168			
1719-03-5	Chrysene-d12	1660000	21.403			
1520-96-3	Perylene-d12	1900000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	450	J		15.8	ug/Kg
000112-39-0	Hexadecanoic acid, methyl ester	220	J		17.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	11000	JB		18.1	ug/Kg
055520-89-3	Palmitic Acid, TMS derivative	210	J		18.6	ug/Kg
000112-61-8	Methyl stearate	550	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	340	J		19.2	ug/Kg
000112-80-1	Oleic Acid	300	J		19.2	ug/Kg
000057-11-4	Octadecanoic acid	13000	J		19.4	ug/Kg
001454-84-8	n-Nonadecanol-1	160	J		21.1	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.6	J		21.3	ug/Kg

Raw Data: **BM049837.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K2			SDG No.:	Q1675
Lab Sample ID:	Q1675-20			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.7
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049837.D	1	04/04/25 10:32	04/07/25 13:24	PB167457

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\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

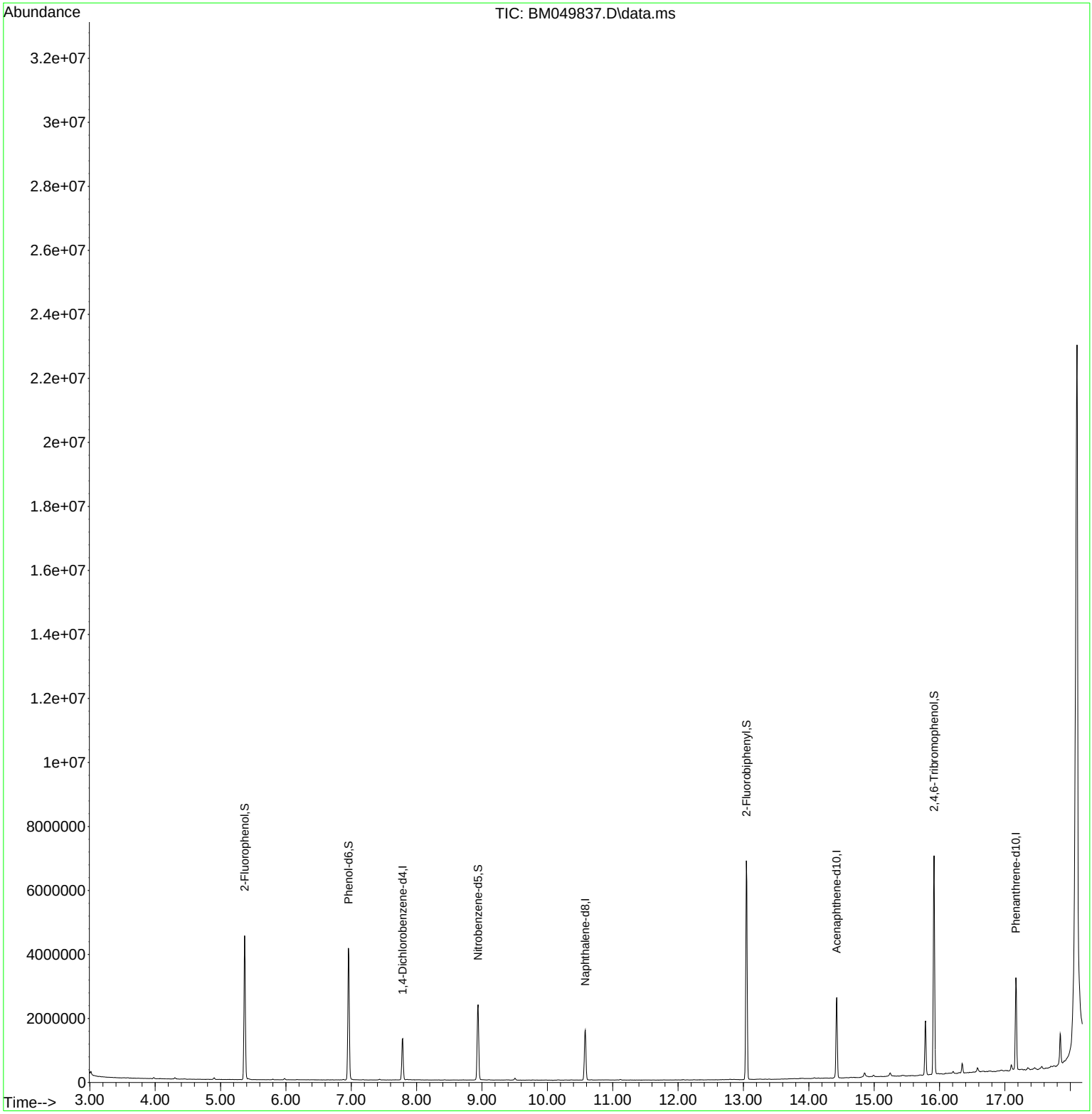
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	388663	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1349629	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	890473	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1740086	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1657124	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1901763	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2017653	87.594	ng	-0.02
7) Phenol-d6	6.957	99	2393051	82.785	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1375296	52.318	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1406785	135.293	ng	-0.02
45) 2-Fluorobiphenyl	13.045	172	3685119	51.828	ng	-0.02
79) Terphenyl-d14	19.797	244	5518910	56.122	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.315	149	153685	2.745	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

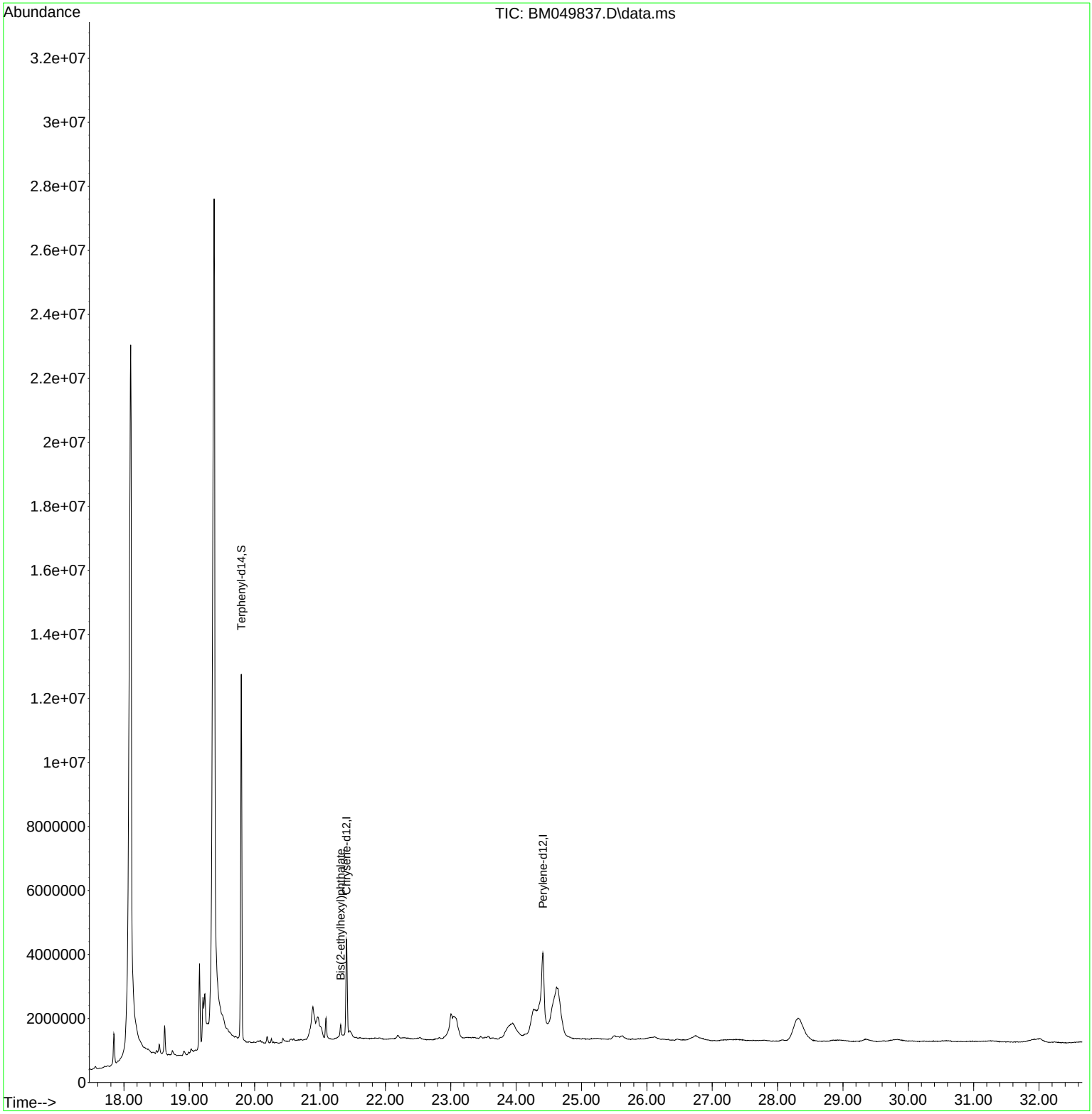
Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

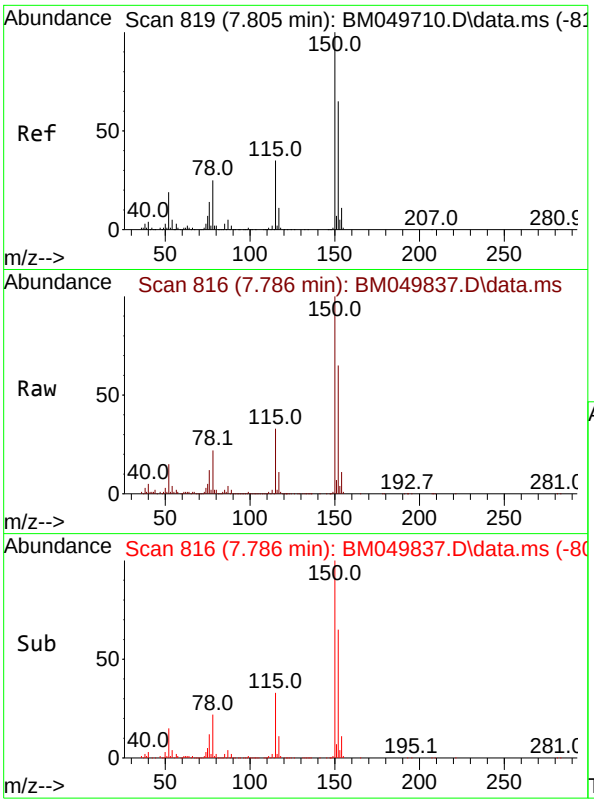


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049837.D
Acq On : 07 Apr 2025 13:24
Operator : RC/JU
Sample : Q1675-20
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K2

Quant Time: Apr 07 14:11:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



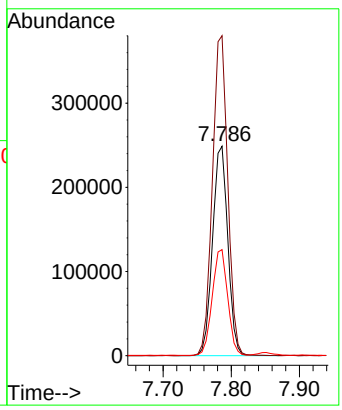


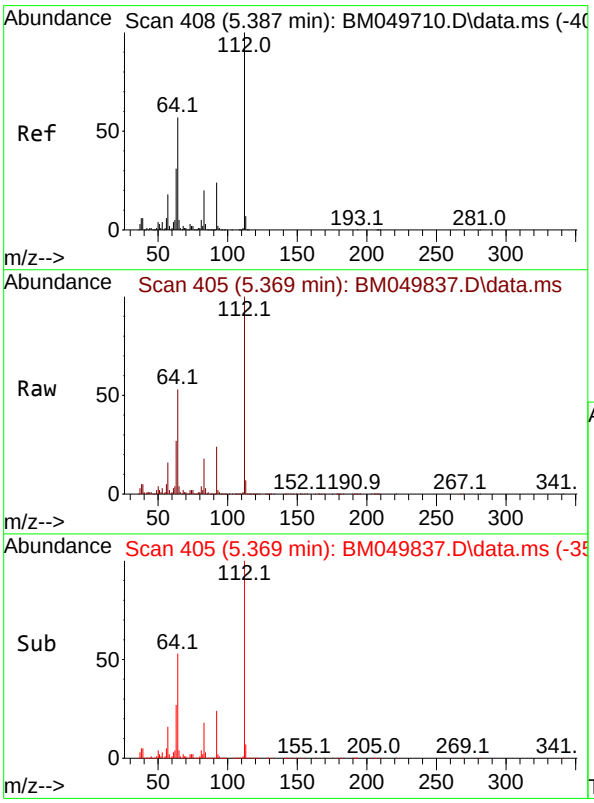
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.019 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:152 Resp: 388663

Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.8
115	50.6	43.0	64.6

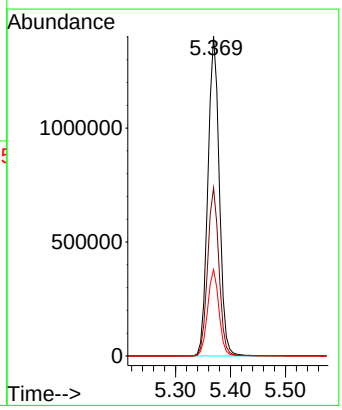


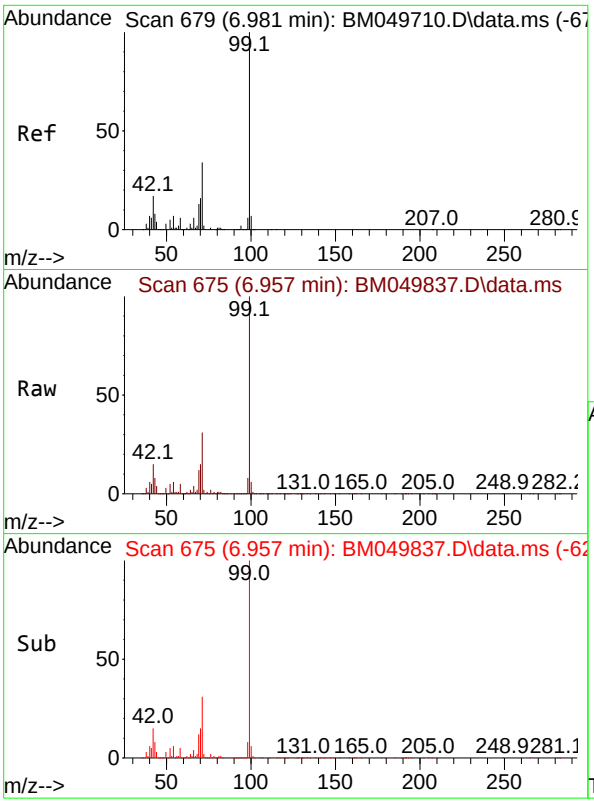


#5
2-Fluorophenol
Concen: 87.594 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:112 Resp: 2017653

Ion	Ratio	Lower	Upper
112	100		
64	52.6	45.3	67.9
63	27.0	24.4	36.6



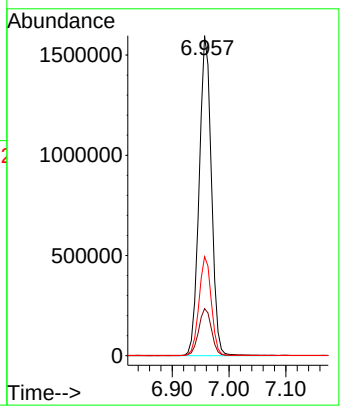


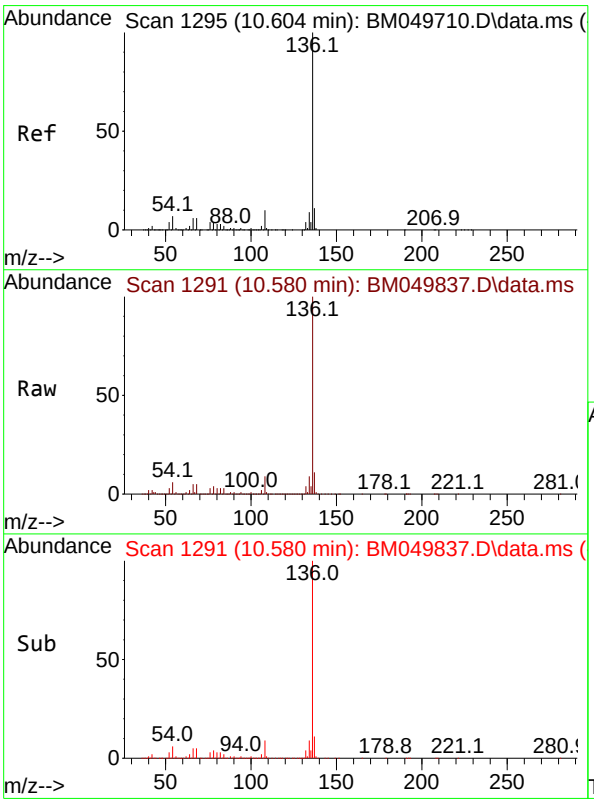
#7
Phenol-d6
Concen: 82.785 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion: 99 Resp: 2393051

Ion	Ratio	Lower	Upper
99	100		
42	14.7	13.6	20.4
71	31.0	27.0	40.6

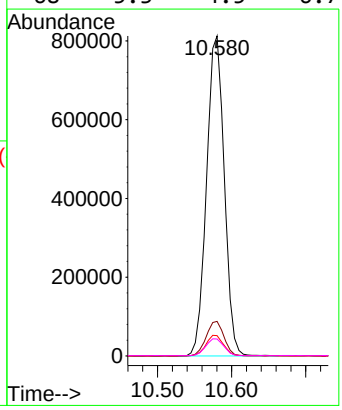


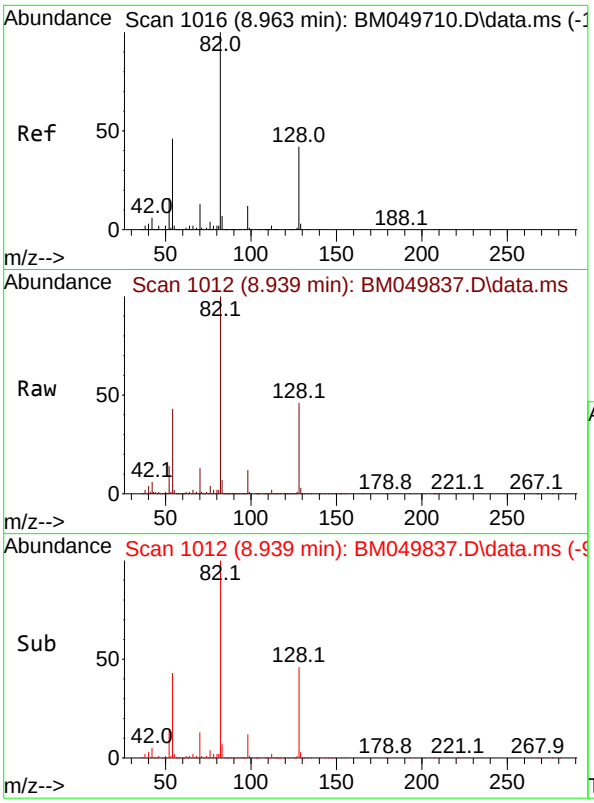


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:136 Resp: 1349629

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.4	5.8	8.8
68	5.3	4.5	6.7



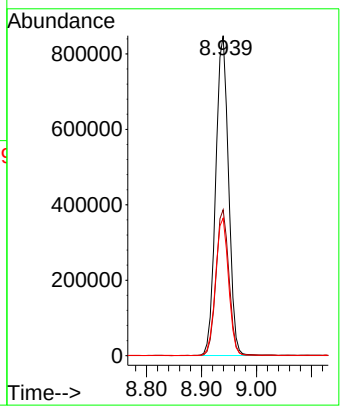


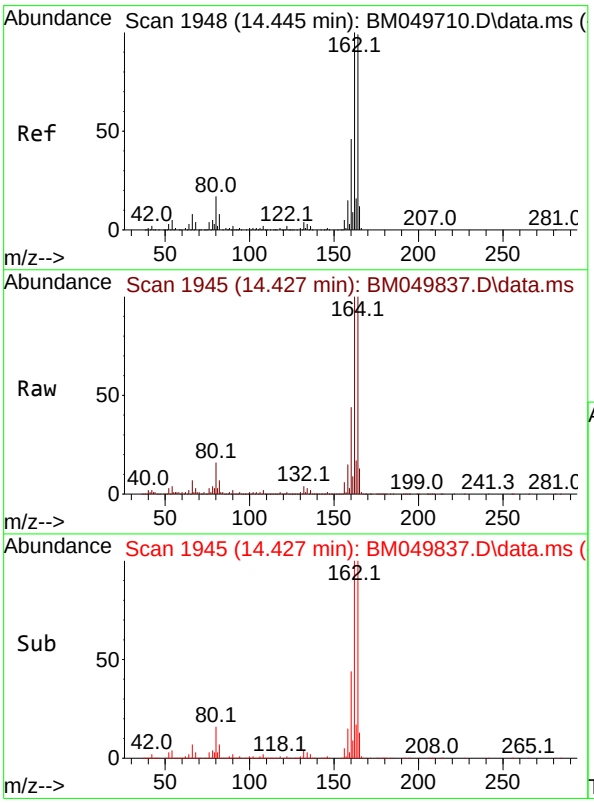
#23
Nitrobenzene-d5
Concen: 52.318 ng
RT: 8.939 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion: 82 Resp: 1375296

Ion	Ratio	Lower	Upper
82	100		
128	45.6	33.4	50.0
54	43.0	36.4	54.6

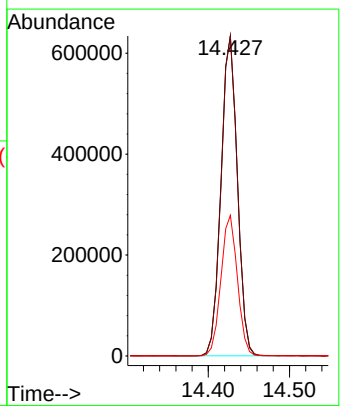


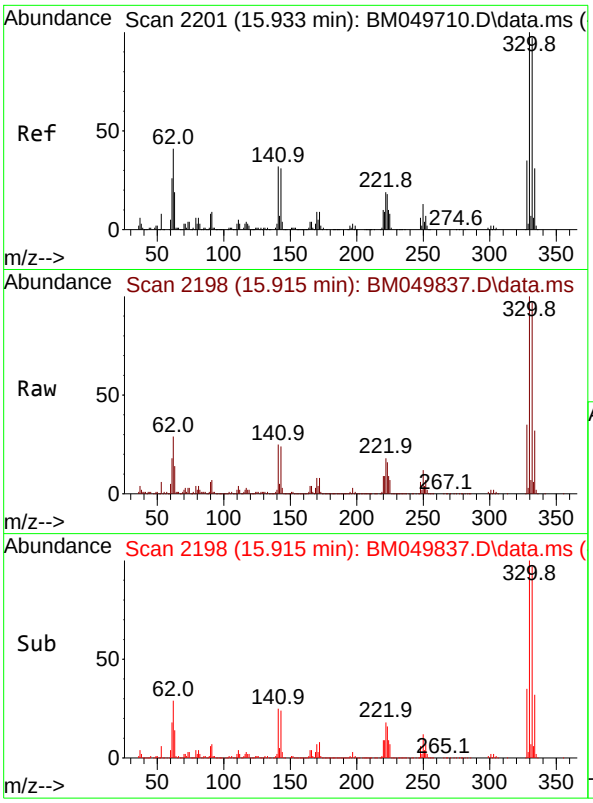


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:164 Resp: 890473

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.5	120.7
160	44.0	36.9	55.3



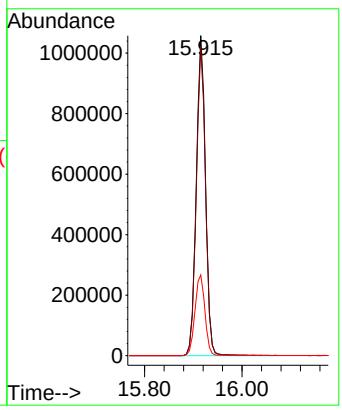


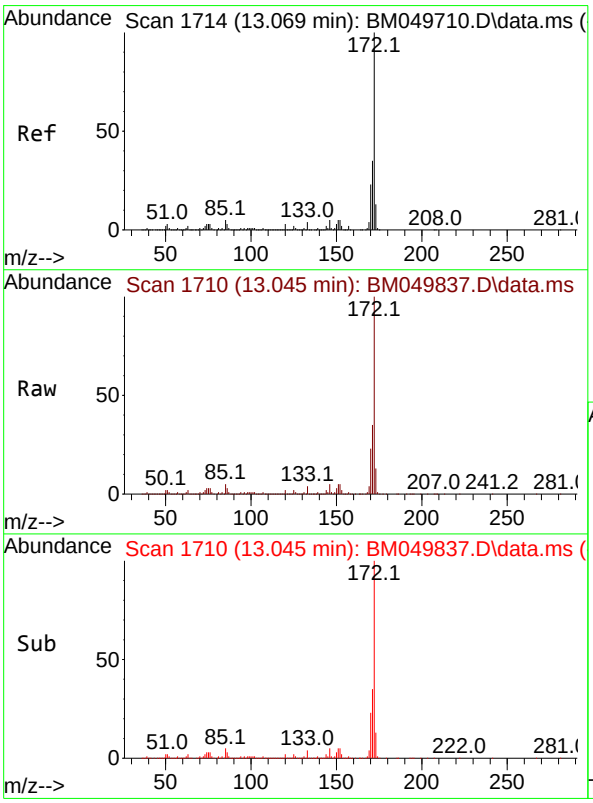
#42
2,4,6-Tribromophenol
Concen: 135.293 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:330 Resp: 1406785

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.4
141	27.0	27.8	41.6#

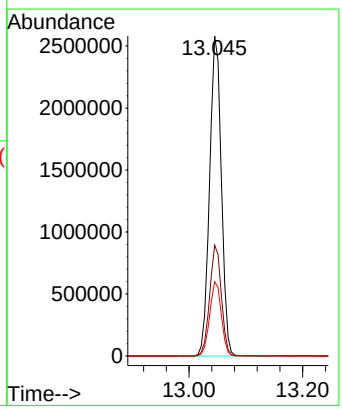


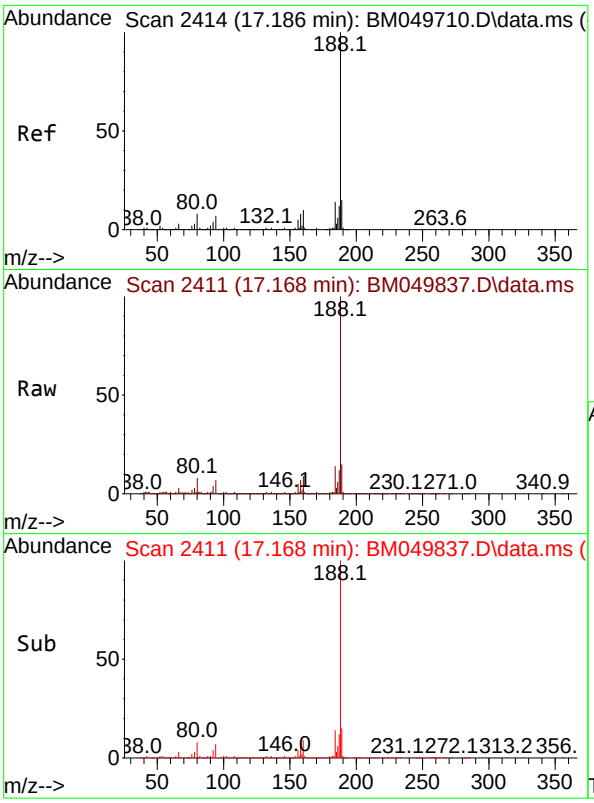


#45
2-Fluorobiphenyl
Concen: 51.828 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:172 Resp: 3685119

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.2	18.6	28.0



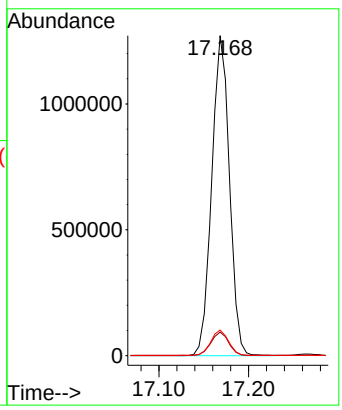


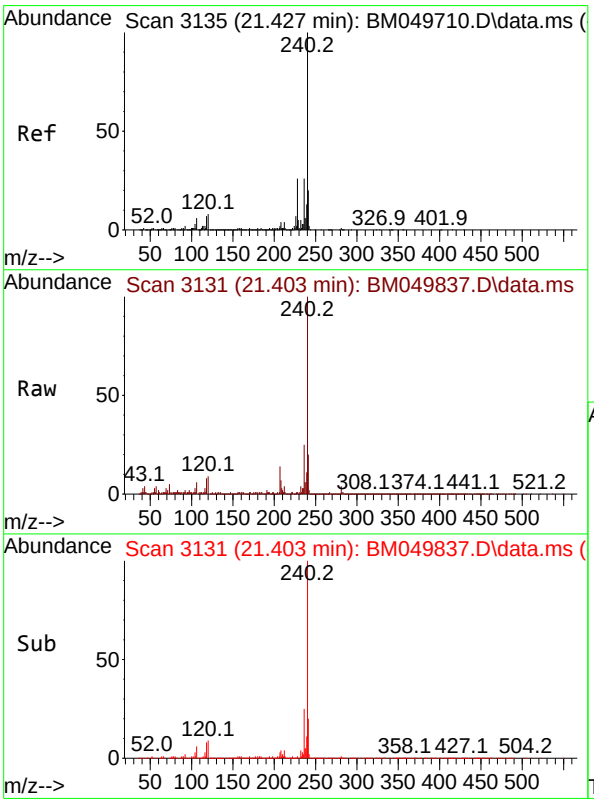
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:188 Resp: 1740086

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	8.0	6.3	9.5

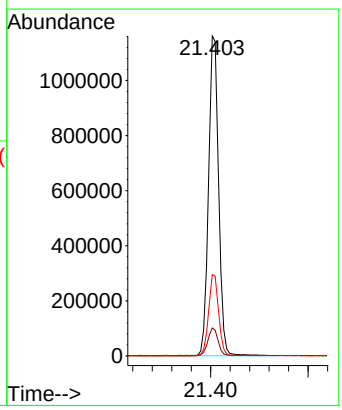


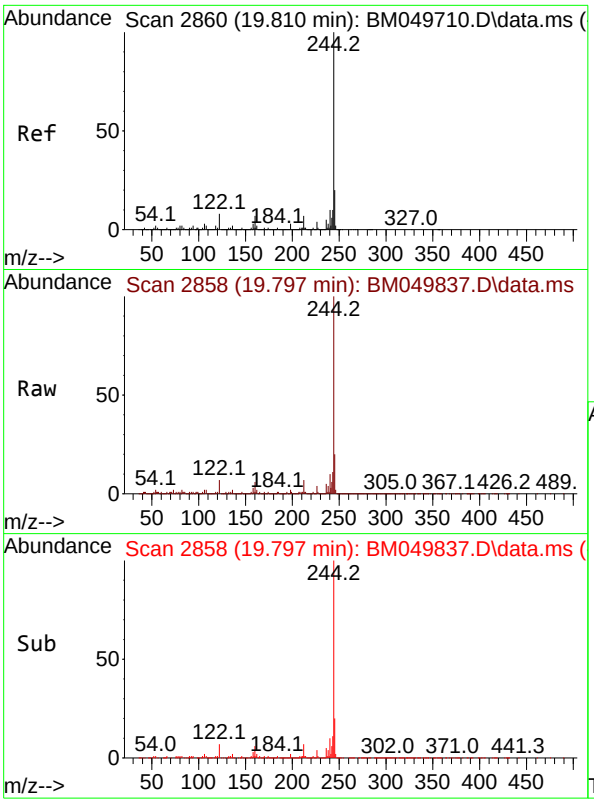


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:240 Resp: 1657124

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.4	20.7	31.1



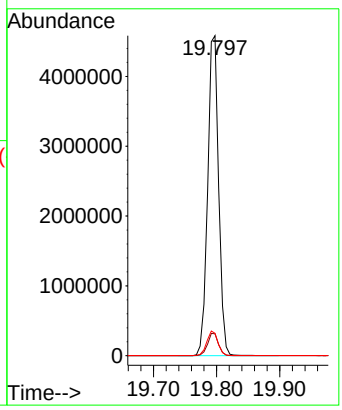


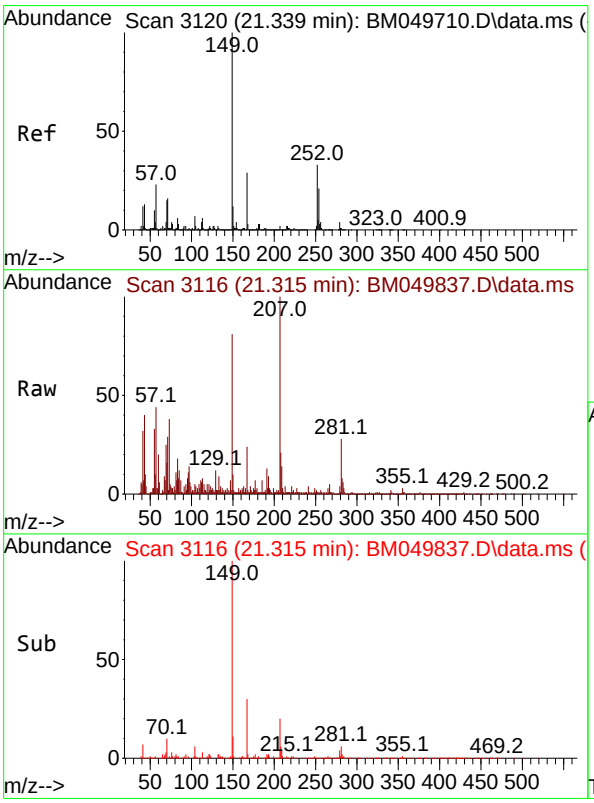
#79
Terphenyl-d14
Concen: 56.122 ng
RT: 19.797 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:244 Resp: 5518910

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	7.0	6.0	9.0

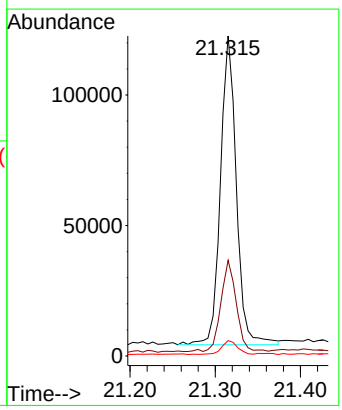


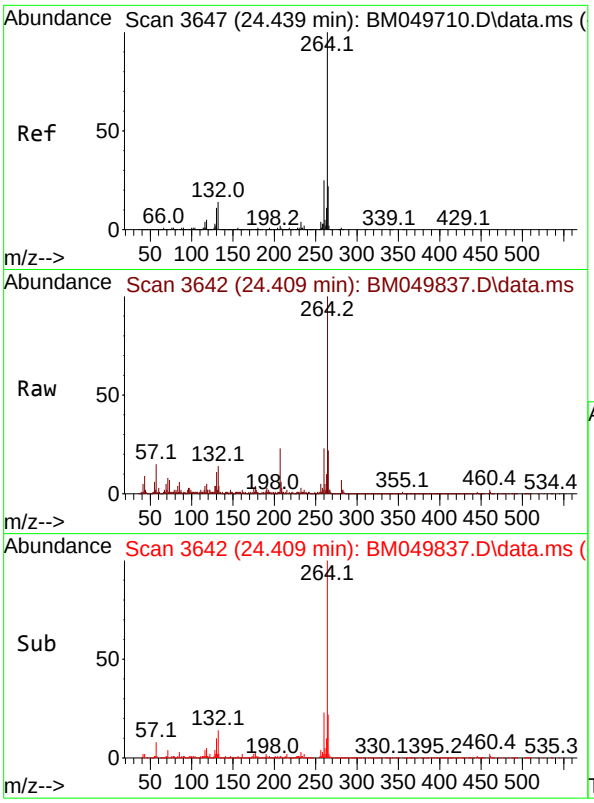


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.745 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Tgt Ion:149 Resp: 153685

Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.9	34.3
279	4.8	3.5	5.3



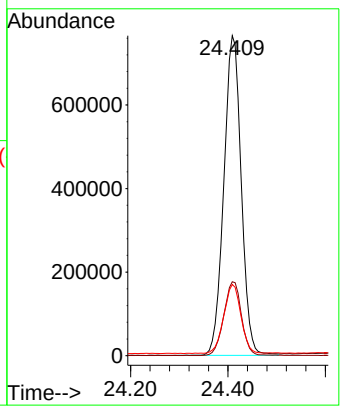


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049837.D
Acq: 07 Apr 2025 13:24

Instrument :
BNA_M
ClientSampleId :
K2

Tgt Ion:264 Resp: 1901763

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	22.3	18.2	27.2



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

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K3			SDG No.:	Q1675
Lab Sample ID:	Q1675-21			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.9
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049836.D	1	04/04/25 10:32	04/07/25 12:45	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	23.6	U	23.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.7	U	26.7	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	96.6		30 (18) - 130 (107)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (20) - 130 (109)	97%	SPK: 100
1718-51-0	Terphenyl-d14	88.9		30 (10) - 130 (105)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	364000	7.787			
1146-65-2	Naphthalene-d8	1270000	10.581			
15067-26-2	Acenaphthene-d10	789000	14.427			
1517-22-2	Phenanthrene-d10	1590000	17.168			
1719-03-5	Chrysene-d12	1820000	21.409			
1520-96-3	Perylene-d12	1860000	24.415			
TENTATIVE IDENTIFIED COMPOUNDS						
000143-07-7	Dodecanoic acid	1300	J		14.9	ug/Kg
84-66-2	Diethylphthalate	370	J		15.2	ug/Kg
000057-11-4	Octadecanoic acid	35700	J		15.5	ug/Kg
007320-37-8	Oxirane, tetradecyl-	770	J		17.1	ug/Kg
000112-39-0	Hexadecanoic acid, methyl ester	2200	J		17.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	57100	JB		18.2	ug/Kg
057866-08-7	Tetracosanal	840	J		18.5	ug/Kg
055520-89-3	Palmitic Acid, TMS derivative	3200	J		18.6	ug/Kg
000629-54-9	Hexadecanamide	2200	J		18.7	ug/Kg
000544-63-8	Tetradecanoic acid	770	J		18.8	ug/Kg
000112-61-8	Methyl stearate	4300	J		19.2	ug/Kg
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	4400	J		19.2	ug/Kg
001002-84-2	Pentadecanoic acid	2700	J		19.4	ug/Kg
000630-01-3	Hexacosane	190	J		20.4	ug/Kg
001560-78-7	2-Methyltetracosane	350	J		21.1	ug/Kg

Raw Data: **BM049836.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	03/28/25
Project:	Stockton			Date Received:	03/28/25
Client Sample ID:	K3			SDG No.:	Q1675
Lab Sample ID:	Q1675-21			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	95.9
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049836.D	1	04/04/25 10:32	04/07/25 12:45	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
117-81-7	Bis(2-ethylhexyl)phthalate	110	J		21.3	ug/Kg
000646-31-1	Tetracosane	540	J		21.8	ug/Kg
000629-94-7	Heneicosane	770	J		22.6	ug/Kg
1000406-32-4	Dotriacontane, 1-iodo-	6800	J		23.6	ug/Kg
000593-45-3	Octadecane	6200	J		24.6	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	3800	J		25.9	ug/Kg
000083-47-6	.gamma.-Sitosterol	4000	J		28.5	ug/Kg

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

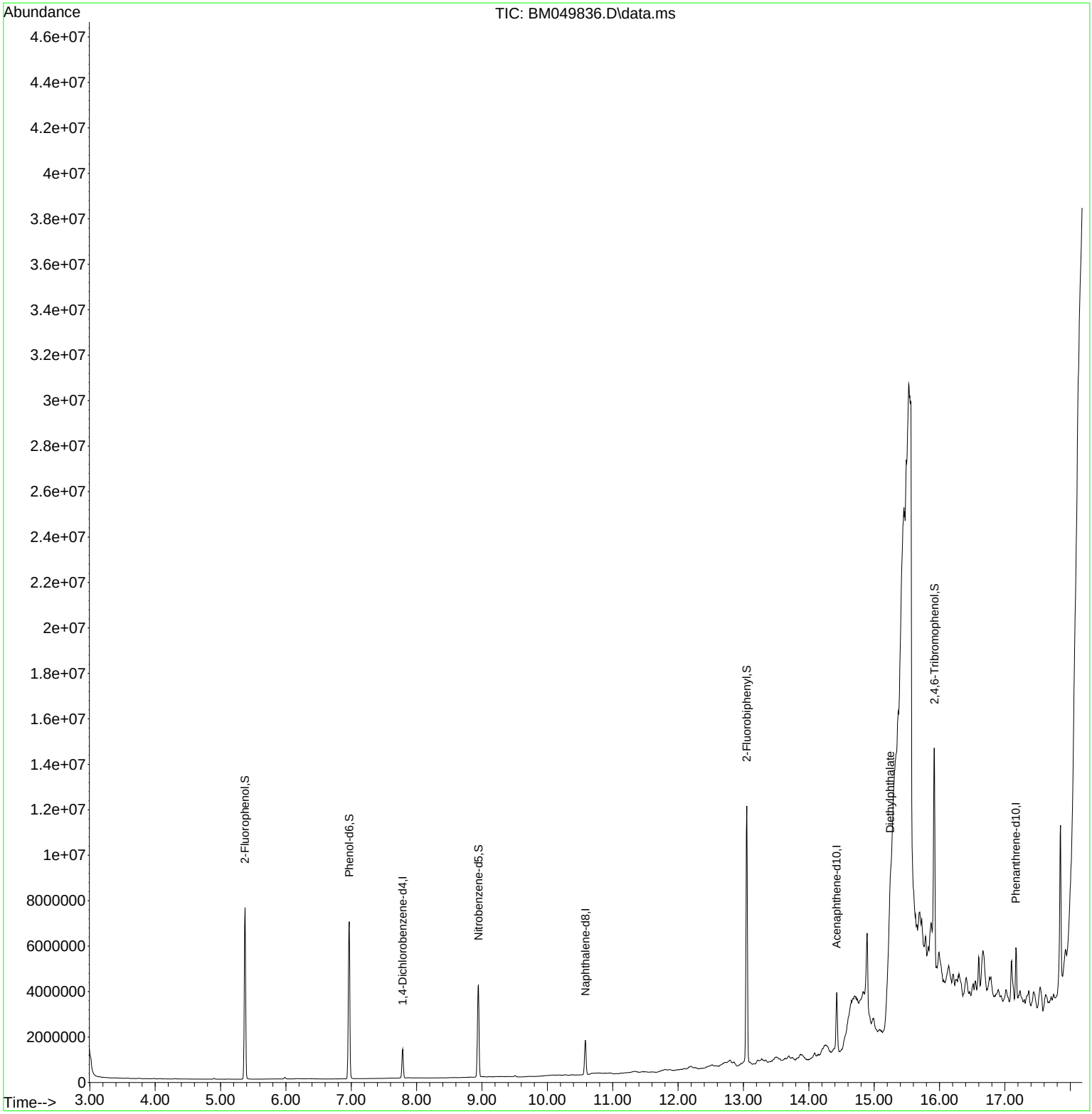
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	363599	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1272904	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	788938	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1589873	20.000	ng	-0.02
76) Chrysene-d12	21.409	240	1823026	20.000	ng	-0.02
86) Perylene-d12	24.415	264	1861603	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	3364924	156.153	ng	-0.01
7) Phenol-d6	6.969	99	4105952	151.832	ng	-0.01
23) Nitrobenzene-d5	8.945	82	2393867	96.555	ng	-0.02
42) 2,4,6-Tribromophenol	15.922	330	2402066	260.742	ng	-0.01
45) 2-Fluorobiphenyl	13.051	172	6079965	96.515	ng	-0.02
79) Terphenyl-d14	19.804	244	9616381	88.889	ng	0.00
Target Compounds						Qvalue
60) Diethylphthalate	15.245	149	540955	10.574	ng	95
84) Bis(2-ethylhexyl)phtha...	21.321	149	202063	3.280	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

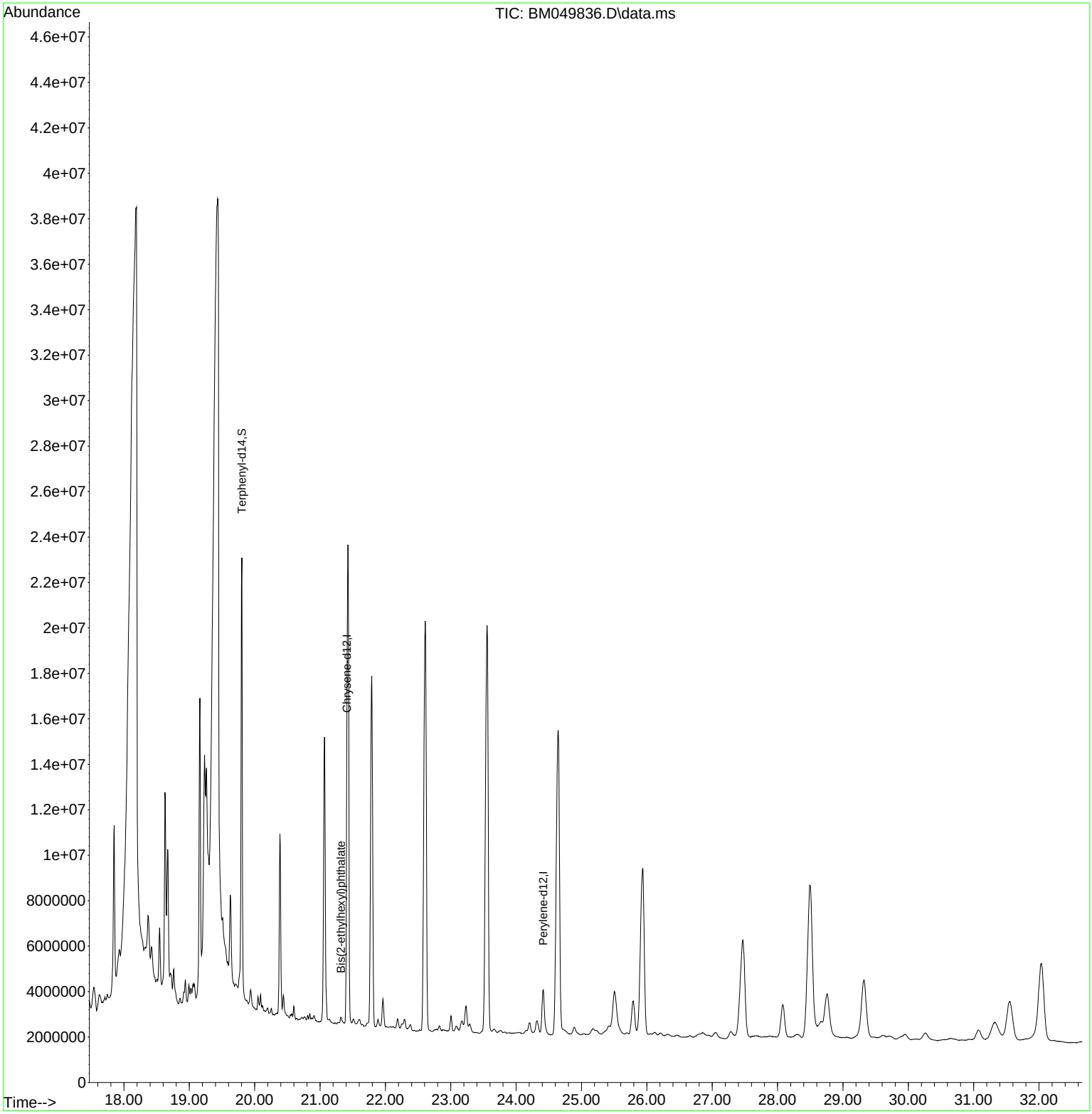


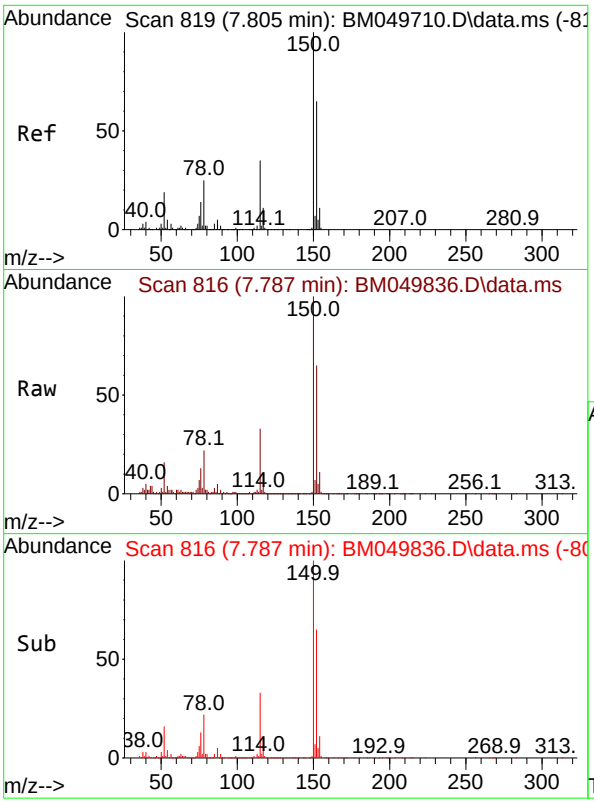
Sample Results: **BM049836.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049836.D
Acq On : 07 Apr 2025 12:45
Operator : RC/JU
Sample : Q1675-21
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
K3

Quant Time: Apr 07 13:29:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



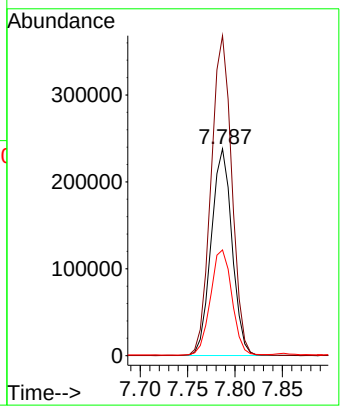


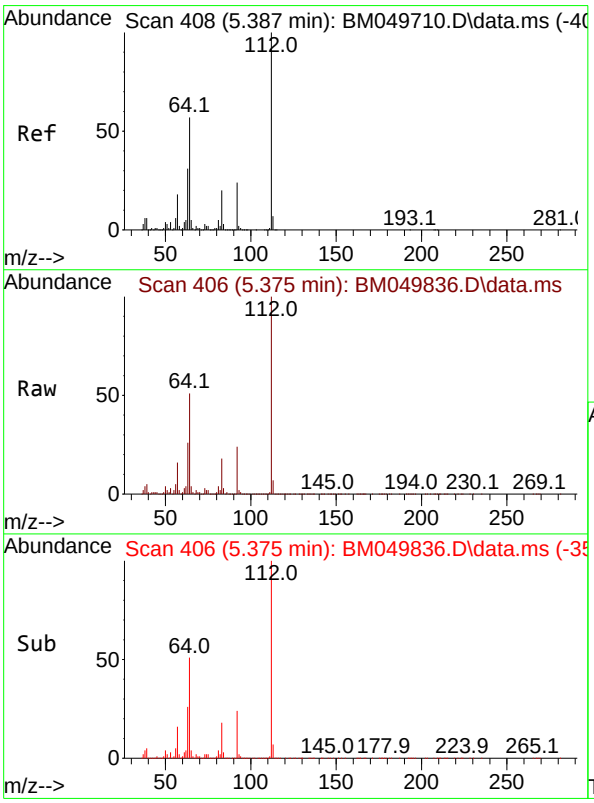
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:152 Resp: 363599

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	51.1	43.0	64.6

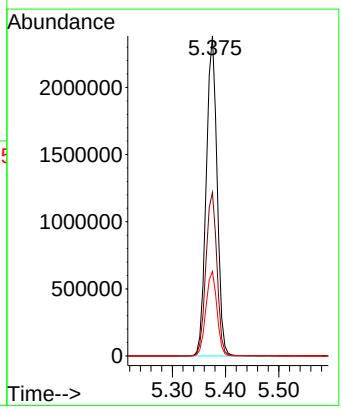


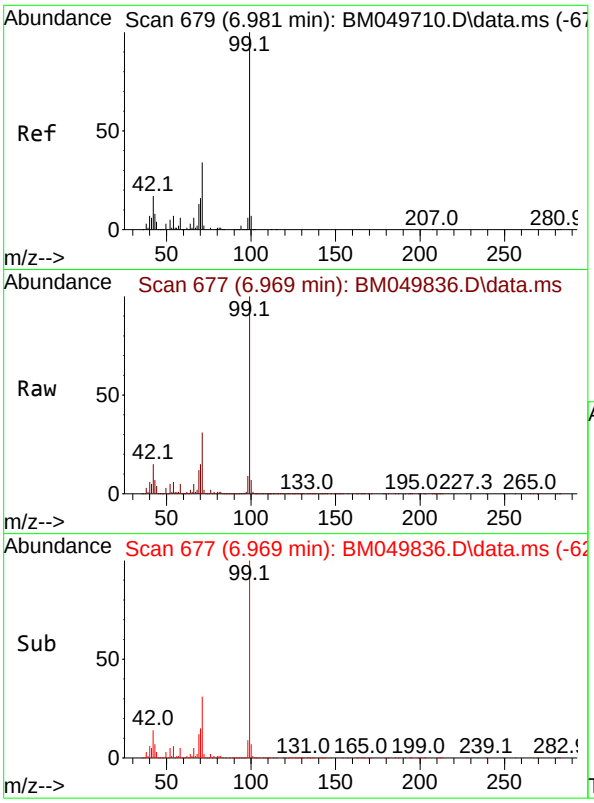


#5
2-Fluorophenol
Concen: 156.153 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.012 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:112 Resp: 3364924

Ion	Ratio	Lower	Upper
112	100		
64	51.1	45.3	67.9
63	26.5	24.4	36.6



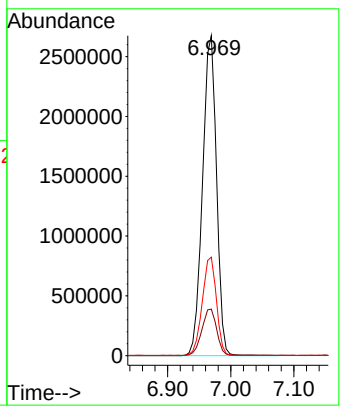


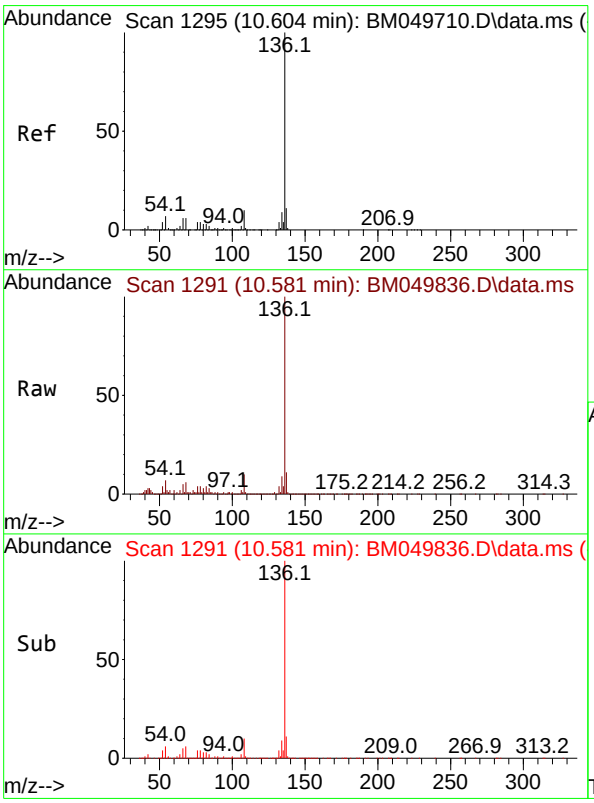
#7
Phenol-d6
Concen: 151.832 ng
RT: 6.969 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion: 99 Resp: 4105952

Ion	Ratio	Lower	Upper
99	100		
42	14.5	13.6	20.4
71	30.8	27.0	40.6

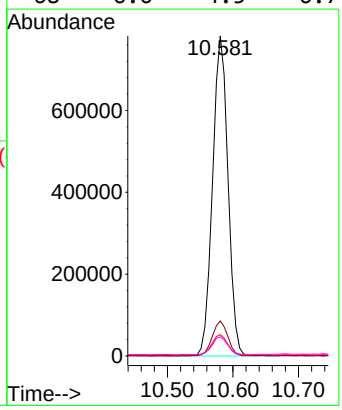


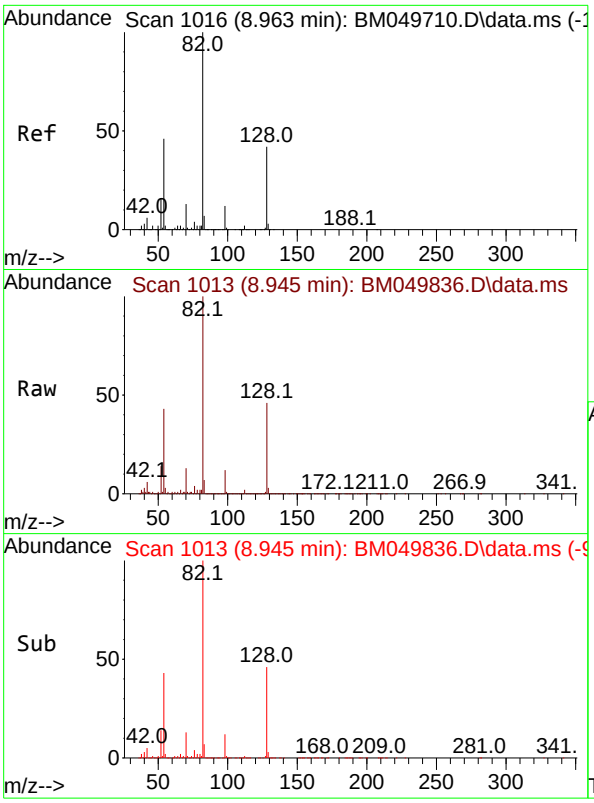


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:136 Resp: 1272904

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.7	5.8	8.8
68	6.0	4.5	6.7



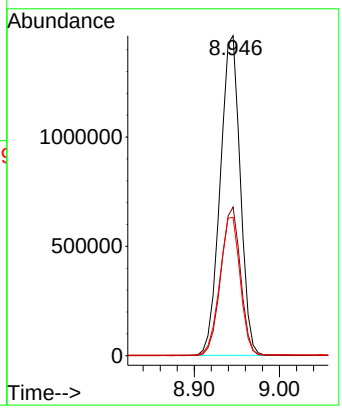


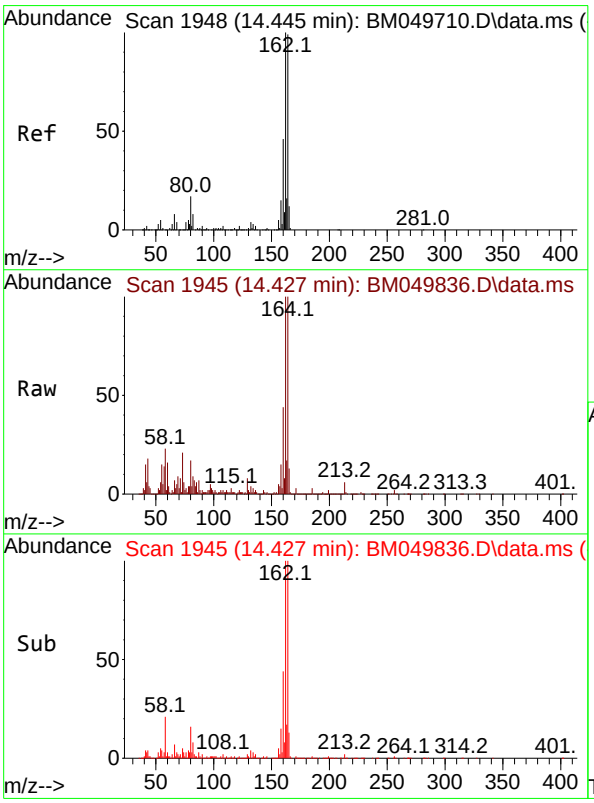
#23
Nitrobenzene-d5
Concen: 96.555 ng
RT: 8.945 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion: 82 Resp: 2393867

Ion	Ratio	Lower	Upper
82	100		
128	46.4	33.4	50.0
54	43.2	36.4	54.6

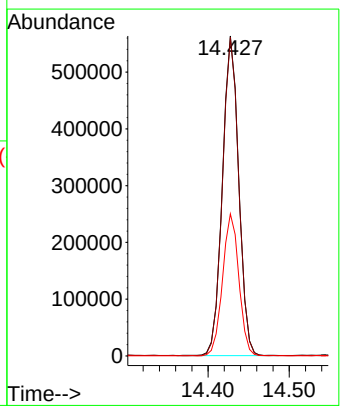


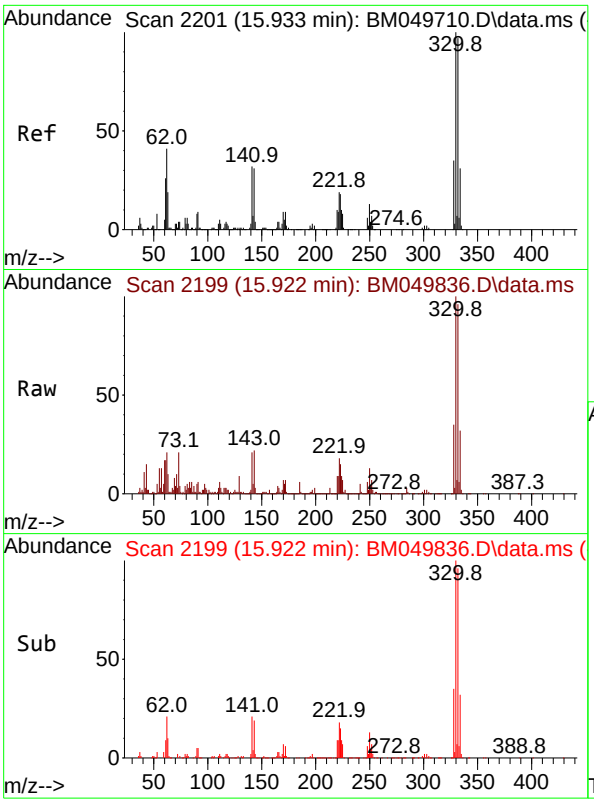


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:164 Resp: 788938

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.5	120.7
160	44.4	36.9	55.3



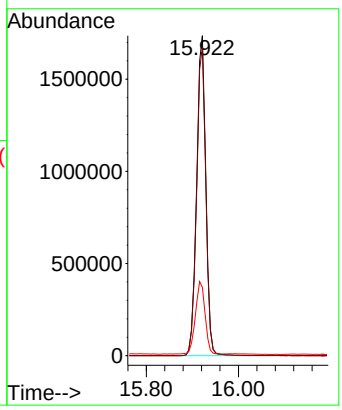


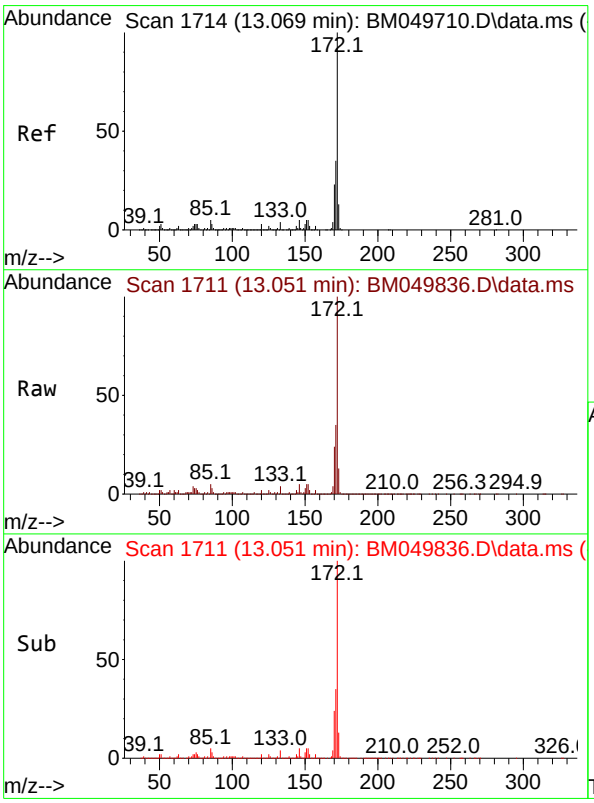
#42
2,4,6-Tribromophenol
Concen: 260.742 ng
RT: 15.922 min Scan# 2
Delta R.T. -0.011 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:330 Resp: 2402066

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.4
141	23.5	27.8	41.6#

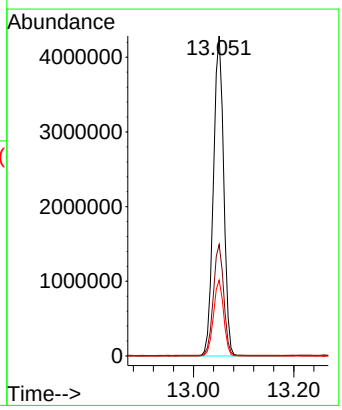


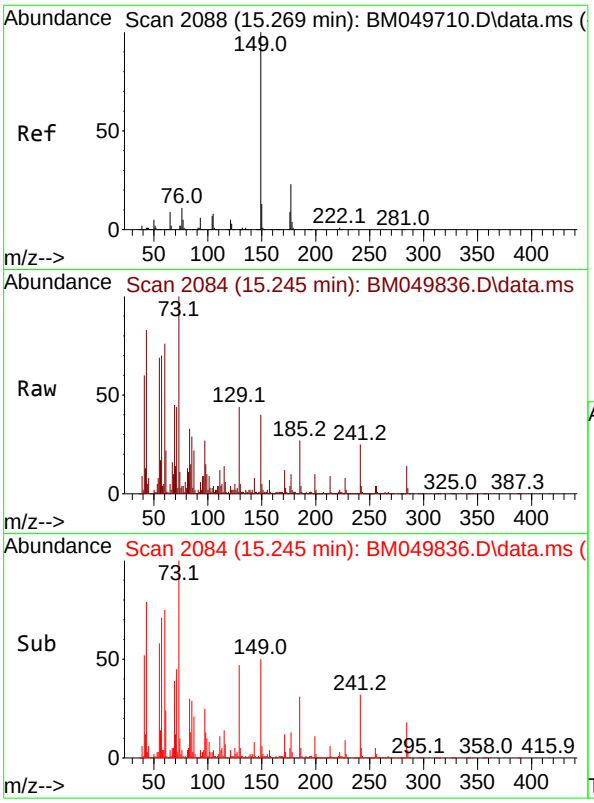


#45
2-Fluorobiphenyl
Concen: 96.515 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:172 Resp: 6079965

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.7	18.6	28.0



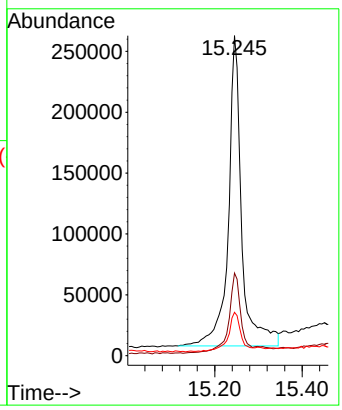


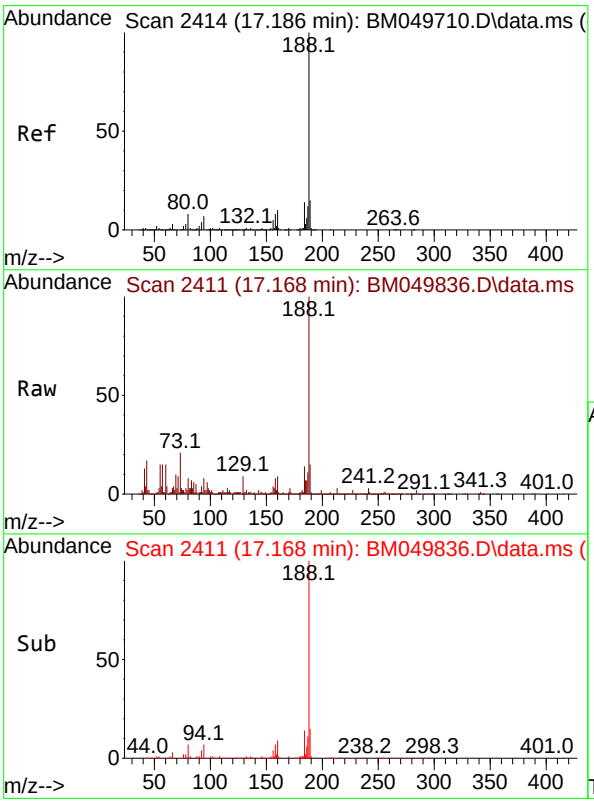
#60
Diethylphthalate
Concen: 10.574 ng
RT: 15.245 min Scan# 2
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:149 Resp: 540955

Ion	Ratio	Lower	Upper
149	100		
177	25.8	18.2	27.2
150	13.6	10.0	15.0

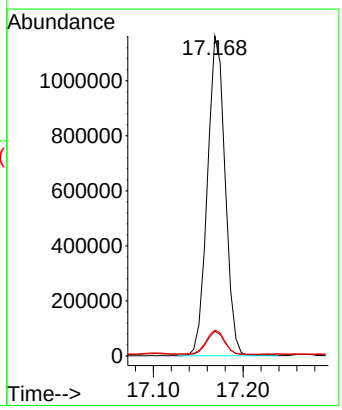


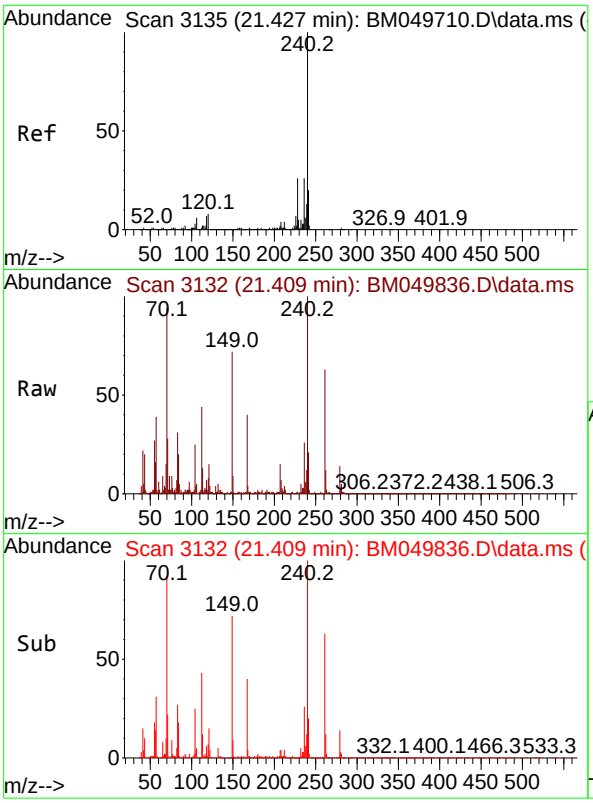


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:188 Resp: 1589873

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.8	8.6
80	8.1	6.3	9.5



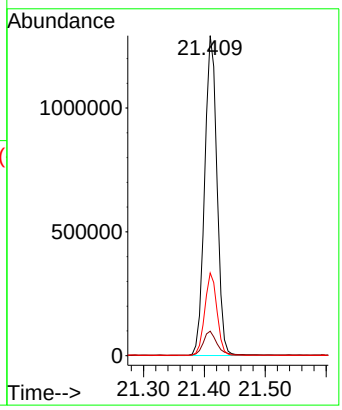


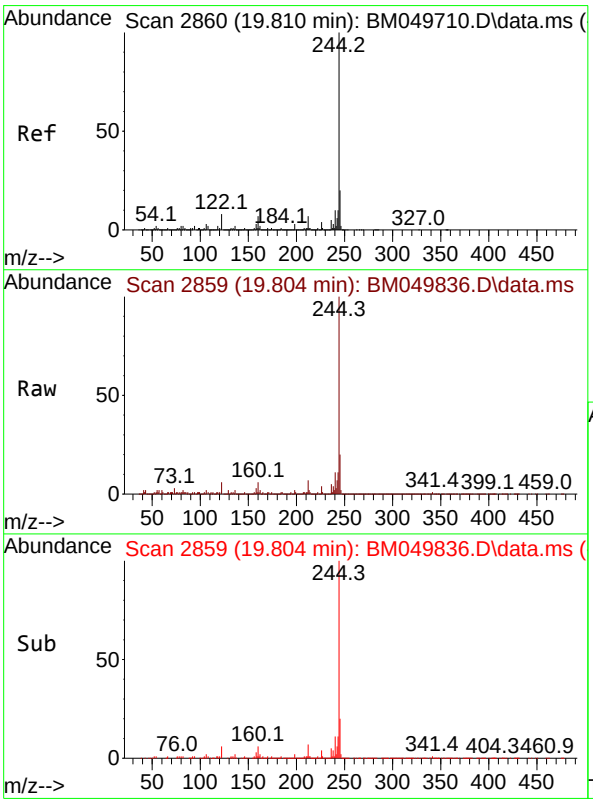
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:240 Resp: 1823026

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.8	20.7	31.1

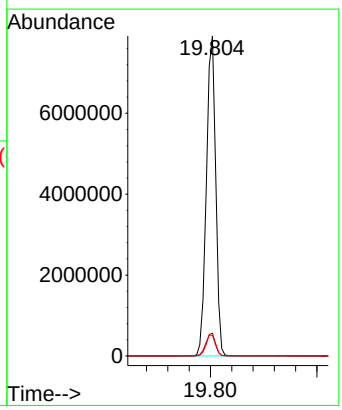


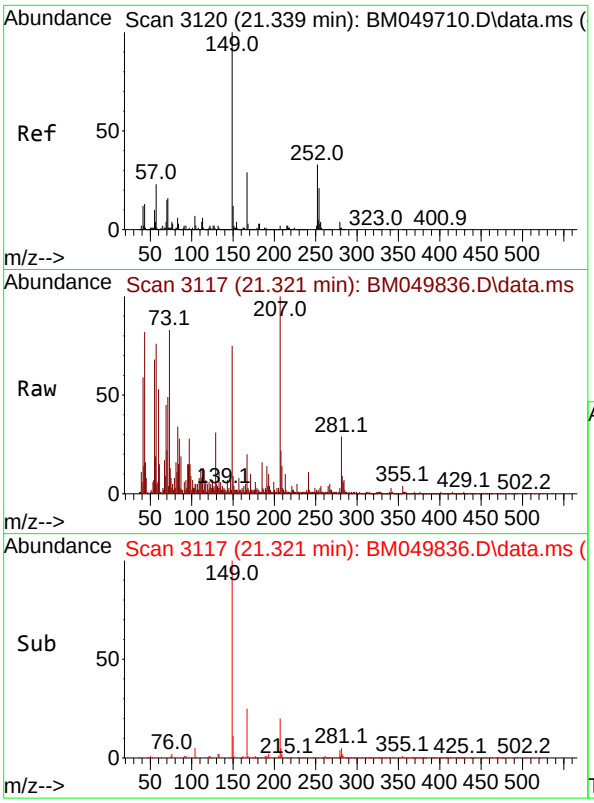


#79
Terphenyl-d14
Concen: 88.889 ng
RT: 19.804 min Scan# 2859
Delta R.T. -0.006 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:244 Resp: 9616381

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.5	6.0	9.0



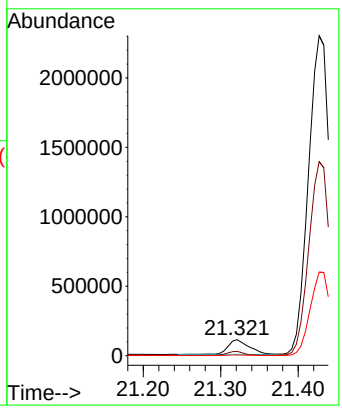


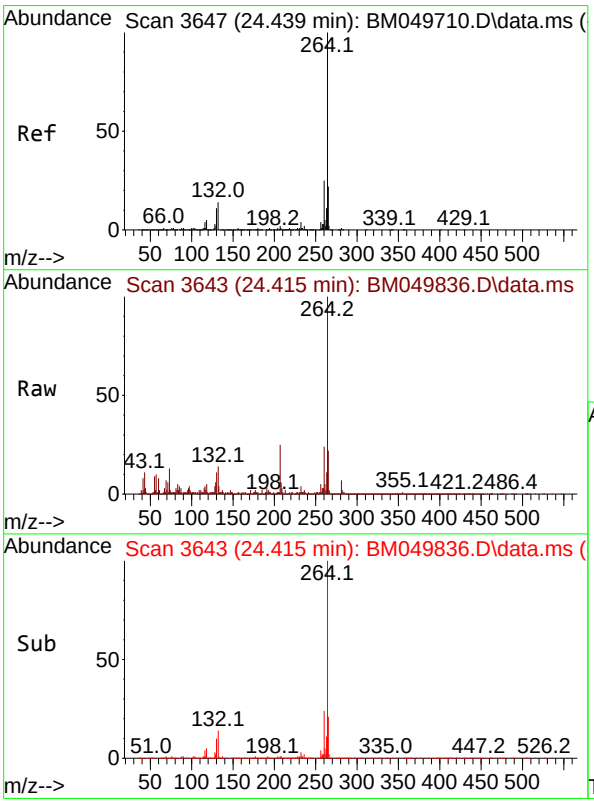
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.280 ng
RT: 21.321 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Instrument :
BNA_M
ClientSampleId :
K3

Tgt Ion:149 Resp: 202063

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.9	34.3
279	4.5	3.5	5.3

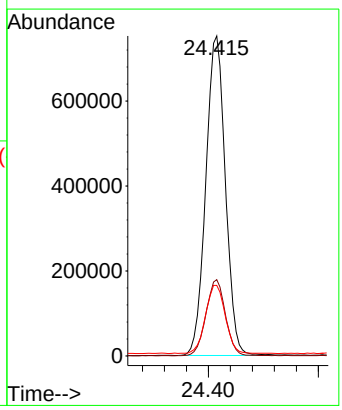




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.415 min Scan# 3643
Delta R.T. -0.024 min
Lab File: BM049836.D
Acq: 07 Apr 2025 12:45

Tgt Ion:264 Resp: 1861603

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	22.0	18.2	27.2



CALIBRATION SUMMARY

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: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: BNA_M Calibration Date(s): 03/13/2025 03/13/2025

Calibration Time(s): 09:02 13:37

LAB FILE ID: RRF2.5 = BM049706.D RRF005 = BM049707.D RRF010 = BM049708.D
RRF020 = BM049709.D RRF040 = BM049710.D RRF050 = BM049711.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.027	1.092	1.201	1.176	1.239	1.185	8.1
Phenol-d6		1.325	1.383	1.498	1.470	1.553	1.488	6.9
Nitrobenzene-d5		0.343	0.361	0.392	0.385	0.403	0.390	7.6
Naphthalene		0.947	0.952	1.029	0.998	1.059	1.028	6.5
2-Methylnaphthalene		0.663	0.656	0.713	0.704	0.735	0.719	7.1
2-Fluorobiphenyl		1.388	1.419	1.563	1.587	1.696	1.597	9.6
2,4,6-Tribromophenol		0.173	0.193	0.226	0.250	0.270	0.234	19.2
Terphenyl-d14		0.978	1.021	1.204	1.207	1.352	1.187	12.6

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-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 14:55:34 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049706.D 5 =BM049707.D 10 =BM049708.D 20 =BM049709.D 40 =BM049710.D 50 =BM049711.D 60 =BM049712.D 80 =BM0497
13.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.503	0.485	0.525	0.497	0.512	0.528	0.541	0.513	3.81
3)		Pyridine		1.250	1.282	1.329	1.299	1.307	1.352	1.353	1.310	2.88
4)		n-Nitrosodimet...		0.546	0.572	0.600	0.565	0.584	0.600	0.592	0.580	3.48
5)	S	2-Fluorophenol		1.027	1.092	1.201	1.176	1.239	1.275	1.288	1.185	8.14
6)		Aniline		1.219	1.276	1.306	1.221	1.246	1.246	1.209	1.246	2.78
7)	S	Phenol-d6		1.325	1.383	1.498	1.470	1.553	1.580	1.603	1.487	6.93
8)		2-Chlorophenol		1.091	1.111	1.193	1.148	1.209	1.226	1.237	1.174	4.89
9)		Benzaldehyde			0.864	0.830	0.683	0.685	0.615		0.735	14.48
10)	C	Phenol		1.356	1.372	1.463	1.400	1.478	1.509	1.518	1.442	4.56
11)		bis(2-Chloroet...		1.132	1.141	1.189	1.122	1.178	1.201	1.212	1.168	3.06
12)		1,3-Dichlorobe...		1.376	1.380	1.438	1.367	1.462	1.471	1.491	1.426	3.60
13)	C	1,4-Dichlorobe...		1.384	1.386	1.470	1.390	1.460	1.483	1.501	1.439	3.52
14)		1,2-Dichlorobe...		1.307	1.325	1.405	1.330	1.397	1.398	1.412	1.368	3.27
15)		Benzyl Alcohol		0.818	0.862	0.932	0.929	0.977	0.996	1.019	0.933	7.78
16)		2,2'-oxybis(1-...		1.386	1.374	1.425	1.323	1.367	1.364	1.368	1.373	2.21
17)		2-Methylphenol		0.769	0.805	0.876	0.847	0.890	0.899	0.909	0.856	6.09
18)		Hexachloroethane		0.481	0.488	0.512	0.499	0.522	0.521	0.535	0.508	3.87
19)	P	n-Nitroso-di-n...	0.766	0.820	0.815	0.892	0.867	0.901	0.914	0.925	0.863	6.54
20)		3+4-Methylphenols		1.022	1.077	1.168	1.139	1.183	1.211	1.234	1.148	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.483	0.516	0.506	0.527	0.548	0.549	0.516	5.43
23)	S	Nitrobenzene-d5		0.343	0.361	0.392	0.385	0.403	0.420	0.422	0.390	7.57
24)		Nitrobenzene		0.340	0.341	0.375	0.360	0.375	0.389	0.392	0.367	5.79
25)		Isophorone		0.531	0.533	0.599	0.590	0.619	0.647	0.668	0.598	8.78
26)	C	2-Nitrophenol		0.115	0.129	0.153	0.158	0.171	0.181	0.188	0.156	17.03
27)		2,4-Dimethylph...		0.169	0.179	0.199	0.197	0.209	0.218	0.223	0.199	9.96
28)		bis(2-Chloroet...		0.399	0.389	0.430	0.407	0.431	0.440	0.453	0.421	5.57
29)	C	2,4-Dichloroph...		0.272	0.289	0.328	0.323	0.342	0.353	0.364	0.324	10.32
30)		1,2,4-Trichlor...		0.376	0.376	0.416	0.391	0.414	0.428	0.439	0.406	6.13
31)		Naphthalene		0.947	0.952	1.029	0.998	1.059	1.097	1.117	1.028	6.50
32)		Benzoic acid			0.122	0.144	0.164	0.179	0.199	0.208	0.169	19.39
33)		4-Chloroaniline		0.315	0.329	0.359	0.350	0.357	0.371	0.377	0.351	6.34
34)	C	Hexachlorobuta...		0.224	0.229	0.254	0.243	0.261	0.267	0.276	0.250	7.76
35)		Caprolactam		0.058	0.061	0.073	0.078	0.079	0.087	0.090	0.075	16.14
36)	C	4-Chloro-3-met...		0.233	0.240	0.273	0.281	0.289	0.310	0.323	0.278	12.01
37)		2-Methylnaphth...		0.663	0.656	0.713	0.704	0.735	0.768	0.794	0.719	7.10
38)		1-Methylnaphth...		0.639	0.640	0.684	0.675	0.711	0.741	0.765	0.694	6.96

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M

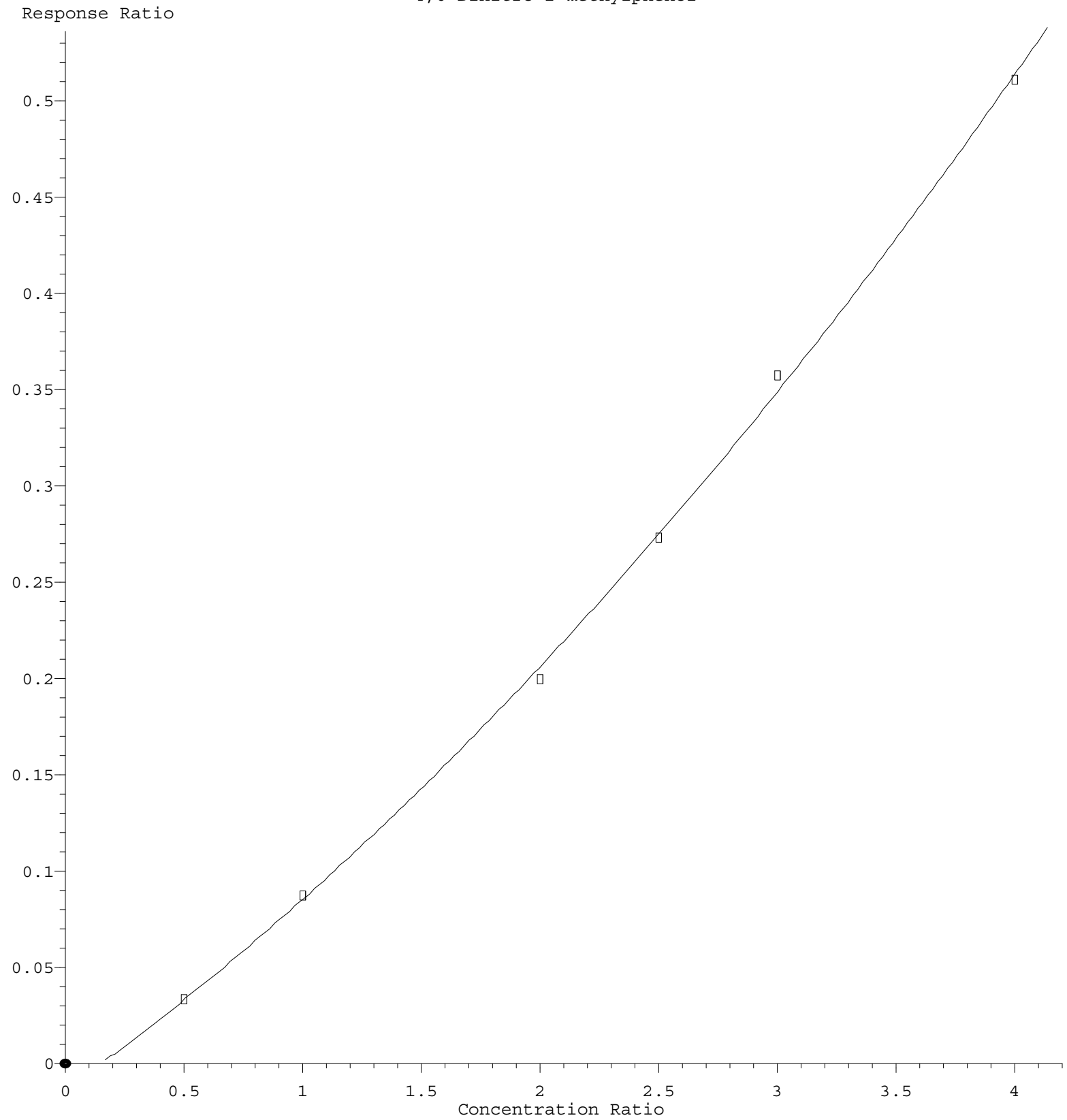
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.633	0.653	0.724	0.720	0.781	0.799	0.833	0.735	10.17
41)	P	Hexachlorocycl...	0.223	0.232	0.266	0.275	0.300	0.300	0.309	0.272	12.53
42)	S	2,4,6-Tribromo...	0.173	0.193	0.226	0.250	0.270	0.289		0.234	19.21
43)	C	2,4,6-Trichlor...	0.315	0.344	0.404	0.418	0.448	0.465	0.485	0.411	15.24
44)		2,4,5-Trichlor...	0.358	0.385	0.443	0.458	0.478	0.504	0.517	0.449	13.13
45)	S	2-Fluorobiphenyl	1.388	1.419	1.563	1.587	1.696	1.744	1.781	1.597	9.62
46)		1,1'-Biphenyl	1.398	1.399	1.539	1.523	1.606	1.642	1.683	1.541	7.28
47)		2-Chloronaphth...	1.085	1.115	1.194	1.177	1.244	1.283	1.301	1.200	6.80
48)		2-Nitroaniline	0.193	0.225	0.262	0.280	0.294	0.312	0.320	0.269	17.26
49)		Acenaphthylene	1.455	1.502	1.656	1.671	1.755	1.823	1.877	1.677	9.36
50)		Dimethylphthalate	1.253	1.262	1.377	1.370	1.402	1.464	1.512	1.377	6.97
51)		2,6-Dinitrotol...	0.225	0.246	0.274	0.281	0.288	0.304	0.314	0.276	11.34
52)	C	Acenaphthene	0.979	0.985	1.072	1.101	1.145	1.194	1.223	1.100	8.69
53)		3-Nitroaniline	0.198	0.222	0.259	0.273	0.277	0.300	0.310	0.263	15.43
54)	P	2,4-Dinitrophenol		0.083	0.111	0.132	0.145	0.159	0.174	0.134	24.72
55)		Dibenzofuran	1.664	1.705	1.814	1.791	1.882	1.956	2.018	1.833	7.00
56)	P	4-Nitrophenol		0.172	0.210	0.233	0.232	0.257	0.267	0.229	15.05
57)		2,4-Dinitrotol...	0.260	0.294	0.345	0.371	0.379	0.411	0.425	0.355	17.00
58)		Fluorene	1.255	1.297	1.454	1.498	1.564	1.646	1.732	1.492	11.67
59)		2,3,4,6-Tetrac...	0.292	0.325	0.366	0.385	0.394	0.419	0.450	0.376	14.39
60)		Diethylphthalate	1.135	1.170	1.285	1.299	1.338	1.388	1.463	1.297	8.90
61)		4-Chlorophenyl...	0.666	0.702	0.783	0.818	0.870	0.902	0.963	0.815	13.12
62)		4-Nitroaniline	0.182	0.219	0.267	0.299	0.297	0.323	0.329	0.274	20.05
63)		Azobenzene	1.072	1.109	1.232	1.245	1.286	1.337	1.390	1.239	9.30
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.067	0.087	0.100	0.109	0.119	0.128	0.102	21.84
66)	c	n-Nitrosodiphe...	0.530	0.530	0.603	0.600	0.644	0.656	0.679	0.606	9.72
67)		4-Bromophenyl-...	0.192	0.201	0.227	0.226	0.249	0.251	0.270	0.231	12.13
68)		Hexachlorobenzene	0.229	0.232	0.253	0.251	0.274	0.281	0.297	0.260	9.77
69)		Atrazine	0.146	0.151	0.144	0.128	0.098			0.134	16.15
70)	C	Pentachlorophenol		0.118	0.145	0.161	0.171	0.185	0.200	0.163	17.87
71)		Phenanthrene	0.968	1.001	1.085	1.093	1.158	1.216	1.253	1.111	9.52
72)		Anthracene	0.892	0.933	1.055	1.066	1.144	1.193	1.246	1.076	12.13
73)		Carbazole	0.785	0.855	0.952	0.991	1.016	1.091	1.128	0.974	12.57
74)		Di-n-butylphth...	0.808	0.885	1.042	1.082	1.164	1.201	1.289	1.068	16.12
75)	C	Fluoranthene	0.974	1.060	1.203	1.300	1.353	1.482	1.579	1.279	17.01
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.185	0.287	0.210	0.273	0.219	0.267	0.240	17.00
78)		Pyrene	1.240	1.253	1.390	1.328	1.468	1.540	1.562	1.397	9.37
79)	S	Terphenyl-d14	0.978	1.021	1.204	1.207	1.352	1.374	1.171	1.187	12.60
80)		Butylbenzylpht...	0.323	0.352	0.428	0.432	0.482	0.491	0.527	0.434	17.19
81)		Benzo(a)anthra...	1.150	1.186	1.318	1.307	1.414	1.462	1.515	1.336	10.23
82)		3,3'-Dichlorob...		0.317	0.396	0.411	0.474	0.479	0.532	0.435	17.44
83)		Chrysene	1.072	1.134	1.259	1.242	1.333	1.390	1.436	1.266	10.41
84)		Bis(2-ethylhex...	0.491	0.541	0.678	0.678	0.771	0.748	0.824	0.676	17.97
85)	c	Di-n-octyl pht...		0.774	0.954	1.009	1.146	1.130	1.290	1.050	17.04

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M

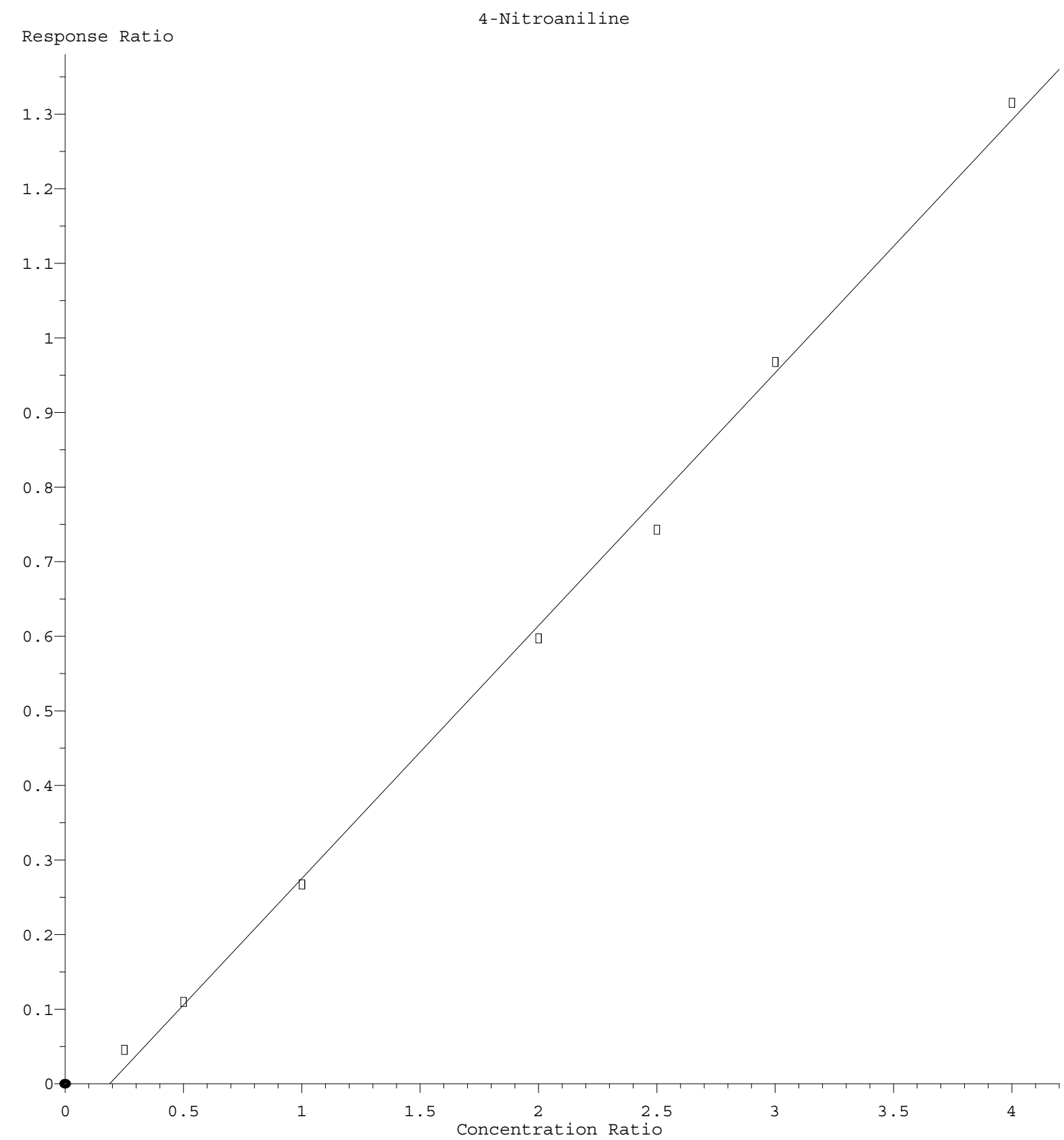
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.135	1.213	1.382	1.431	1.567	1.630	1.720	1.440	14.96
88)		Benzo(b)fluora...	1.088	1.138	1.297	1.330	1.433	1.508	1.636	1.347	14.54
89)		Benzo(k)fluora...	1.086	1.148	1.294	1.291	1.408	1.479	1.573	1.325	13.16
90)	C	Benzo(a)pyrene	0.899	0.948	1.085	1.120	1.210	1.280	1.378	1.131	15.28
91)		Dibenzo(a,h)an...	0.940	1.023	1.151	1.188	1.299	1.354	1.440	1.199	14.94
92)		Benzo(g,h,i)pe...	0.990	1.043	1.173	1.203	1.296	1.345	1.407	1.208	12.76

(#) = Out of Range

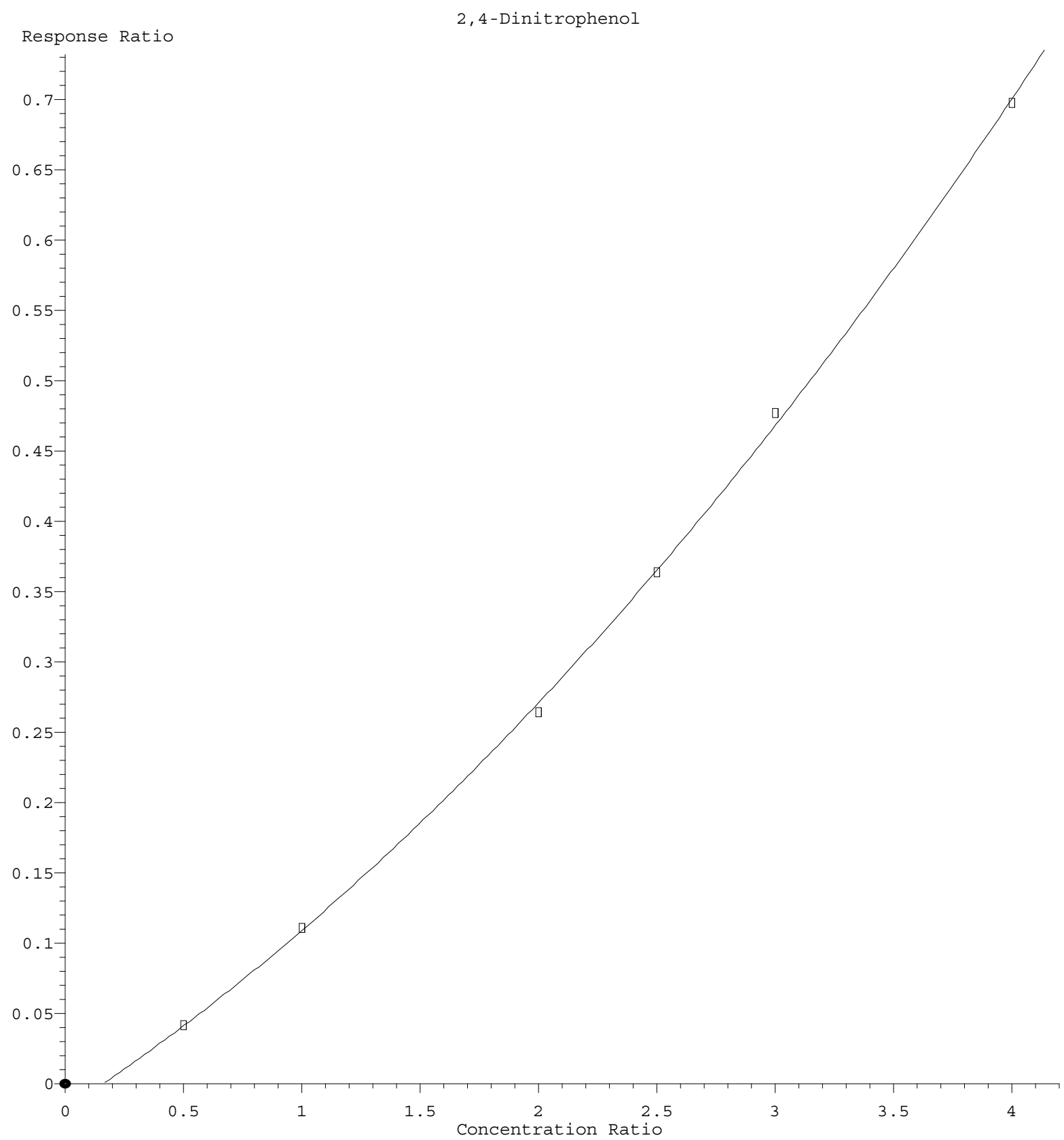
4,6-Dinitro-2-methylphenol



R = 1.100e-002 A*A + 8.778e-002 A - 1.348e-002
Coef of Det (r^2) = 0.999178 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM031325.M
Calibration Table Last Updated: Thu Mar 13 14:55:34 2025



Response = 3.389e-001 * Amt - 6.367e-002
Coef of Det (r^2) = 0.997445 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM031325.M
Calibration Table Last Updated: Thu Mar 13 14:55:34 2025



R = 1.757e-002 A*A + 1.093e-001 A - 1.786e-002
Coef of Det (r^2) = 0.999531 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM031325.M
Calibration Table Last Updated: Thu Mar 13 14:55:34 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049706.D
Acq On : 13 Mar 2025 09:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 13 14:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	343337	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	1223591	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	853260	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	1680850	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1392908	20.000	ng	0.00
86) Perylene-d12	24.438	264	1220001	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...	8.610	70	32886	2.221	ng	# 90

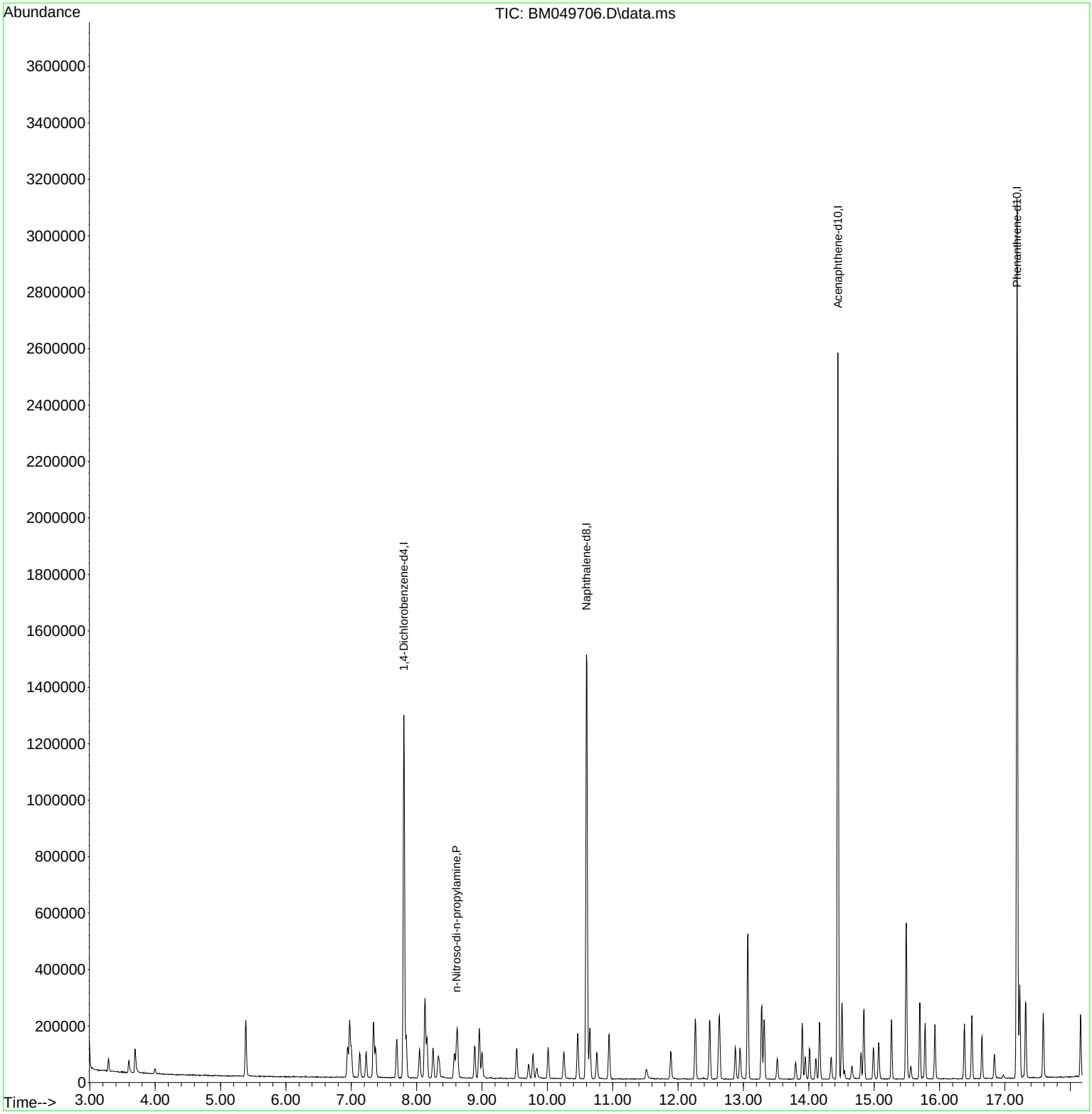
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049706.D
Acq On : 13 Mar 2025 09:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 13 14:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

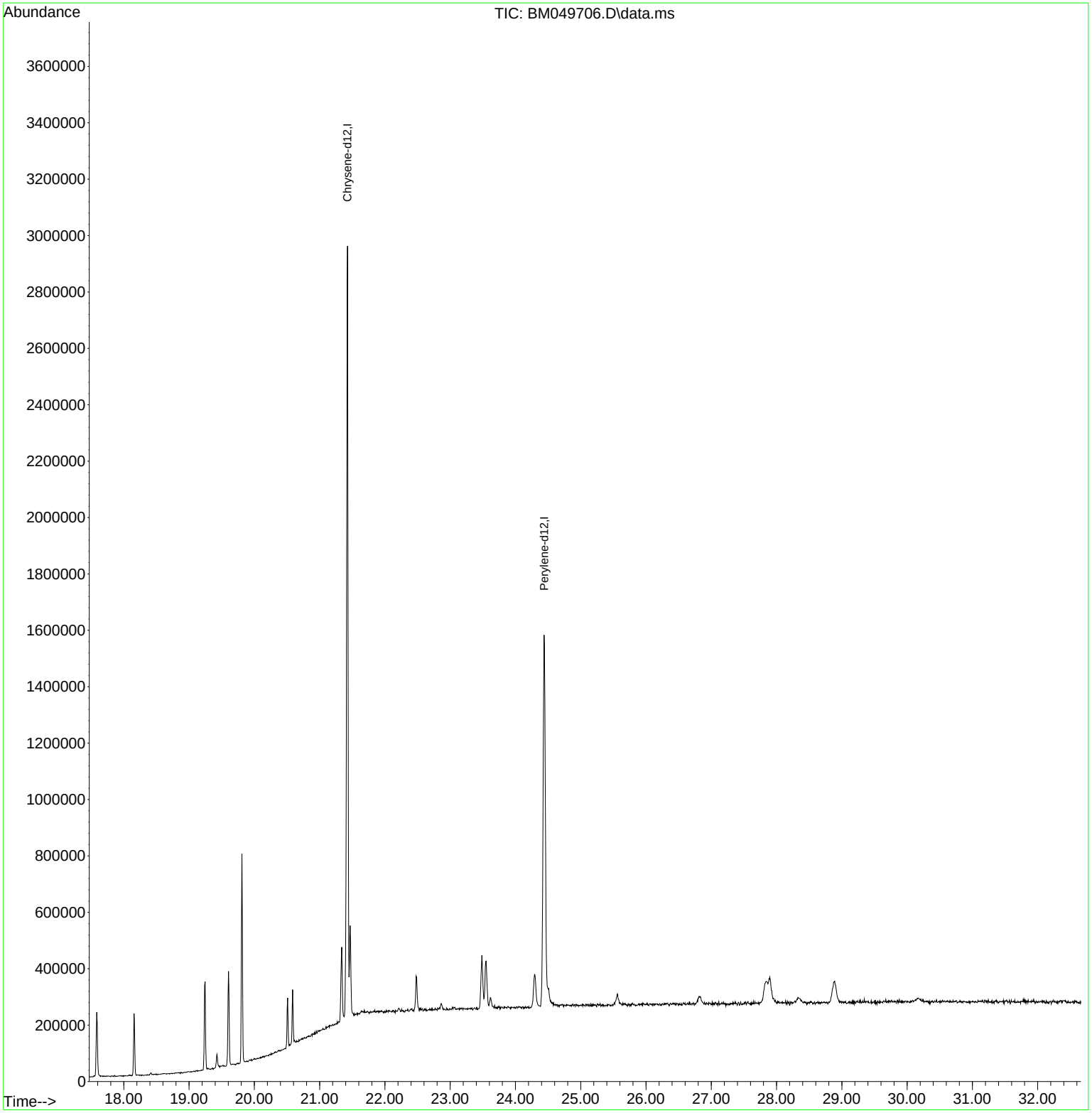


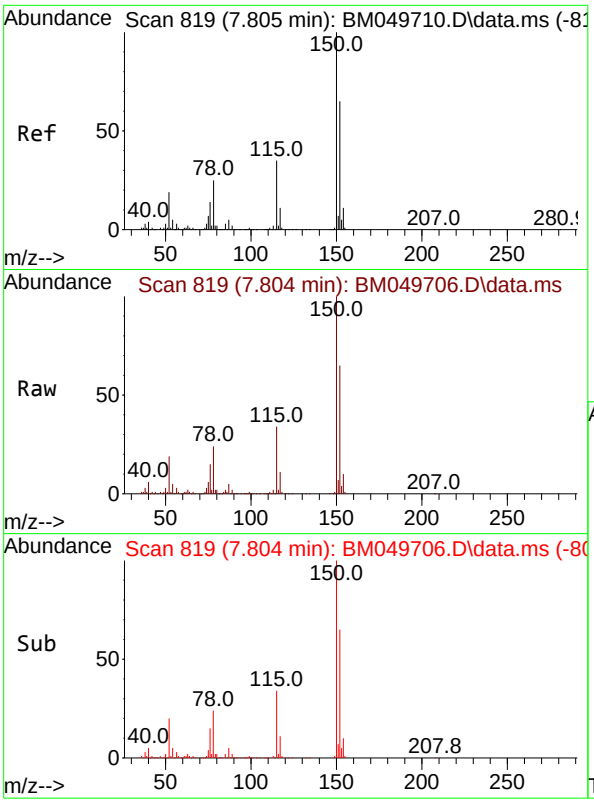
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049706.D
Acq On : 13 Mar 2025 09:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 13 14:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration



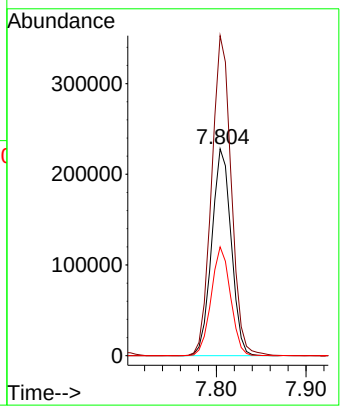


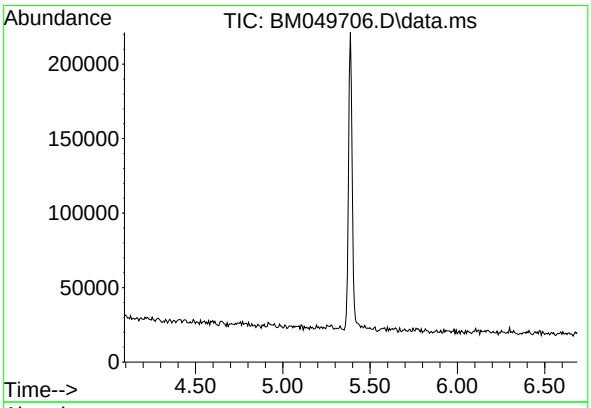
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 343337

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	52.6	43.0	64.6



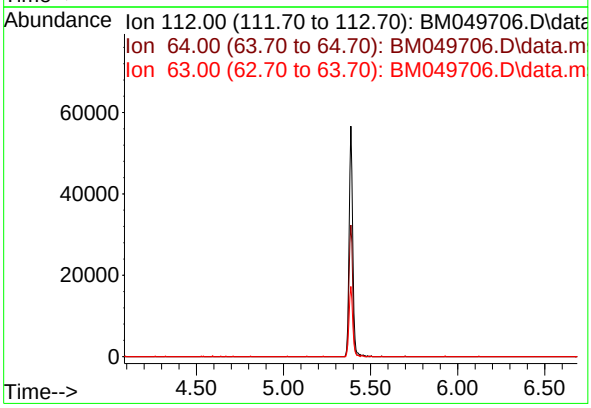


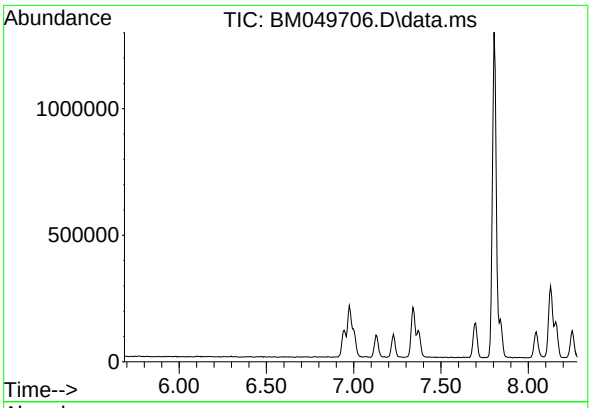
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.39 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	56.6
63	30.5





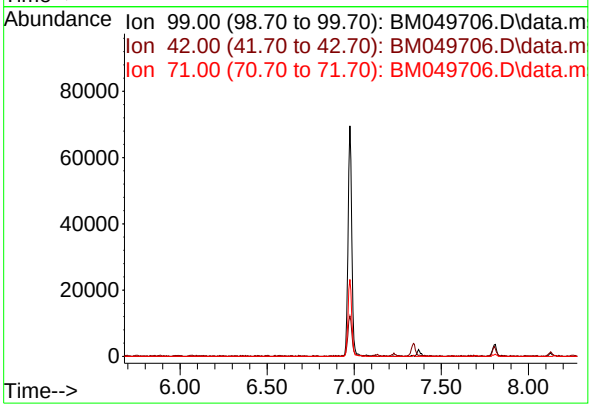
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.98 min

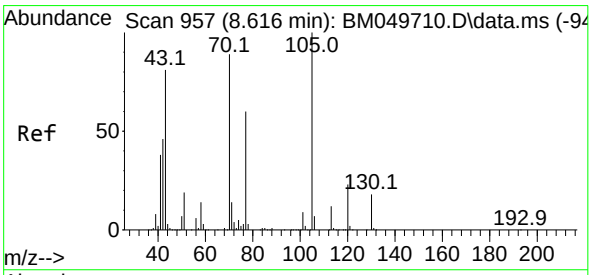
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

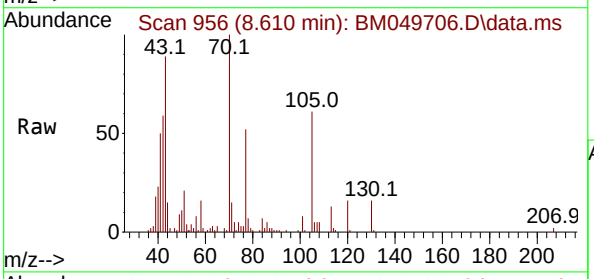
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

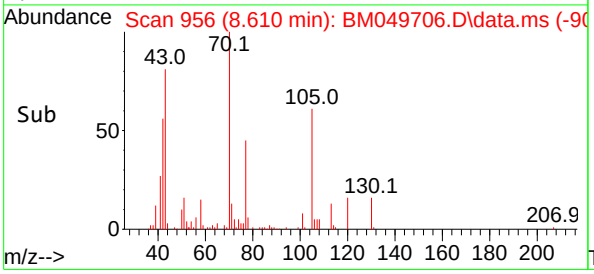
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.0
71	33.8





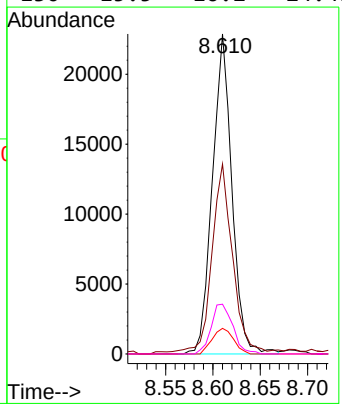


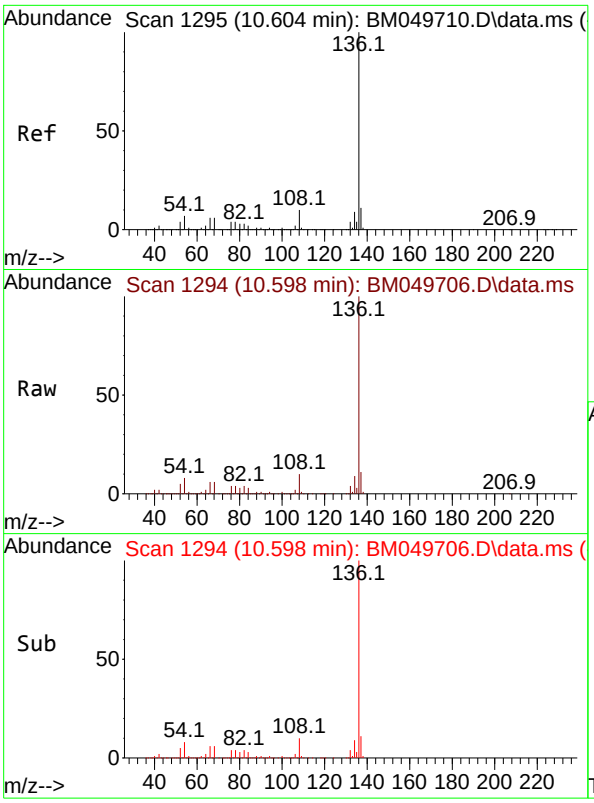


#19
n-Nitroso-di-n-propylamine
Concen: 2.221 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 70 Resp: 32886

Ion	Ratio	Lower	Upper
70	100		
42	59.4	41.8	62.6
101	8.0	7.7	11.5
130	15.5	16.2	24.4#



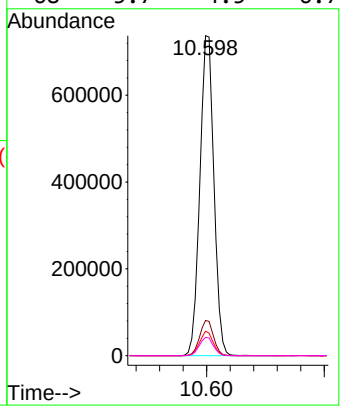


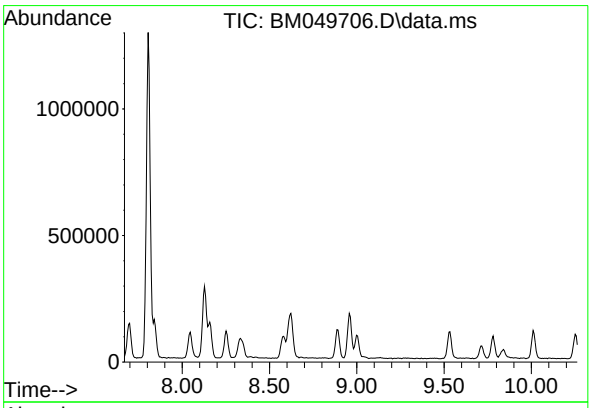
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1223591

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.6	5.8	8.8
68	5.7	4.5	6.7



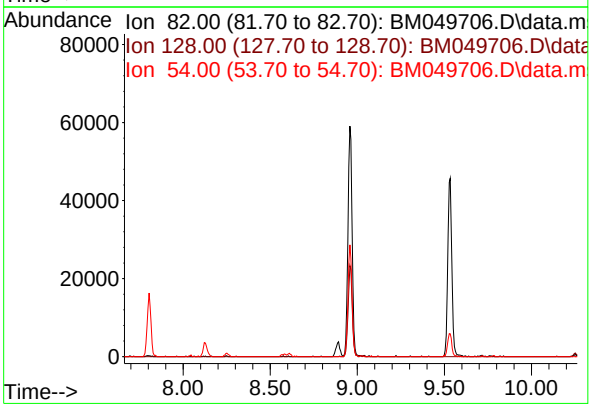


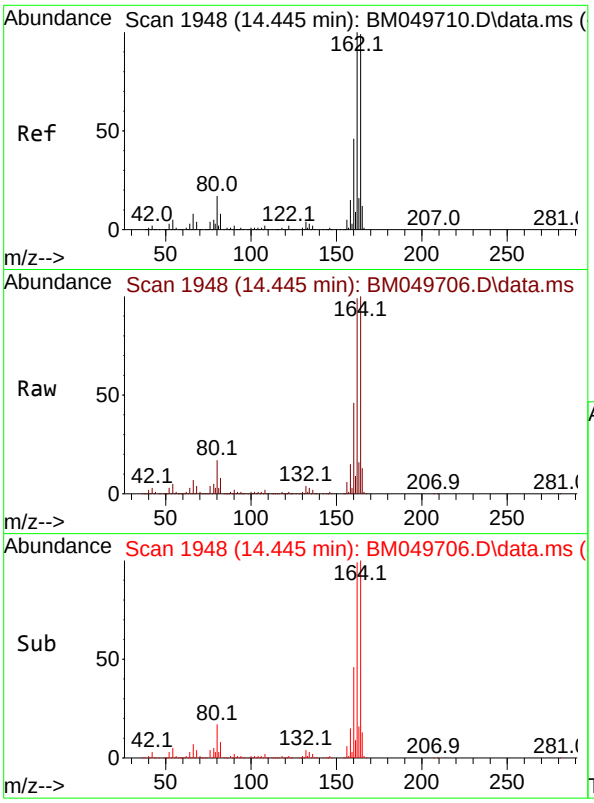
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.96 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.7
54	45.5



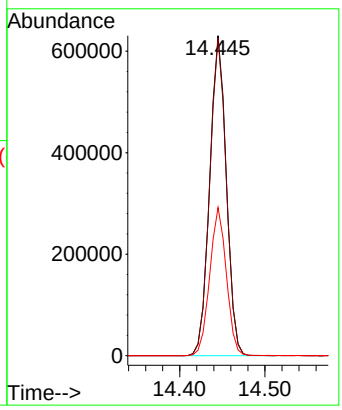


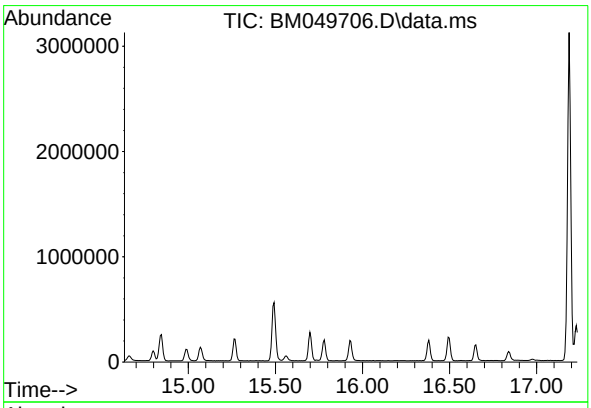
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 853260

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.5	120.7
160	46.3	36.9	55.3



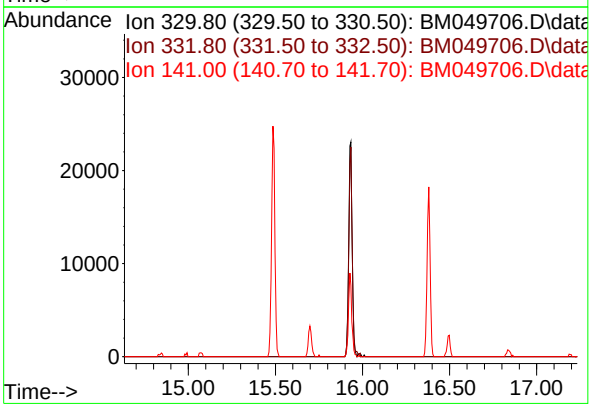


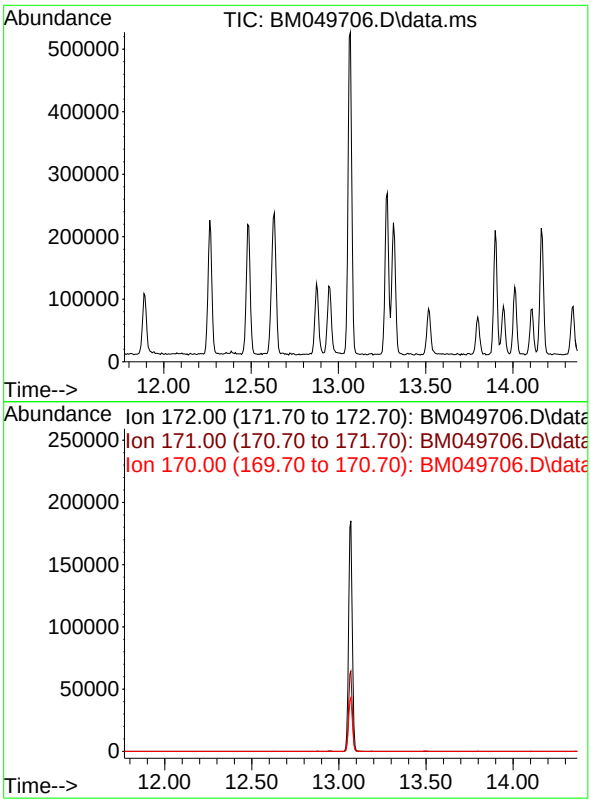
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.93 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.2
141	34.7





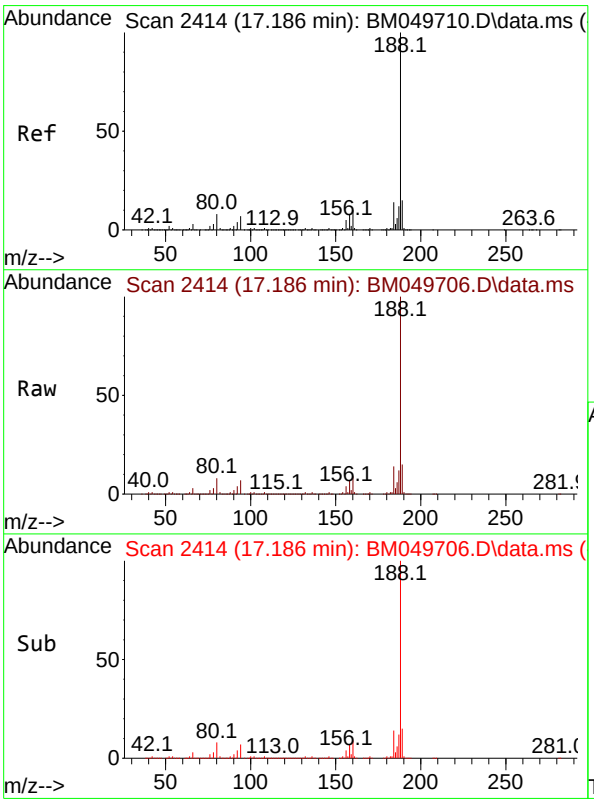
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.07 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

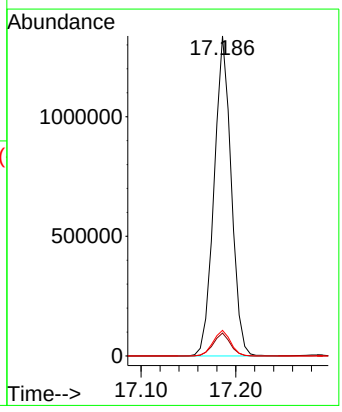
Sig	Exp Ratio
172	100
171	34.9
170	23.3

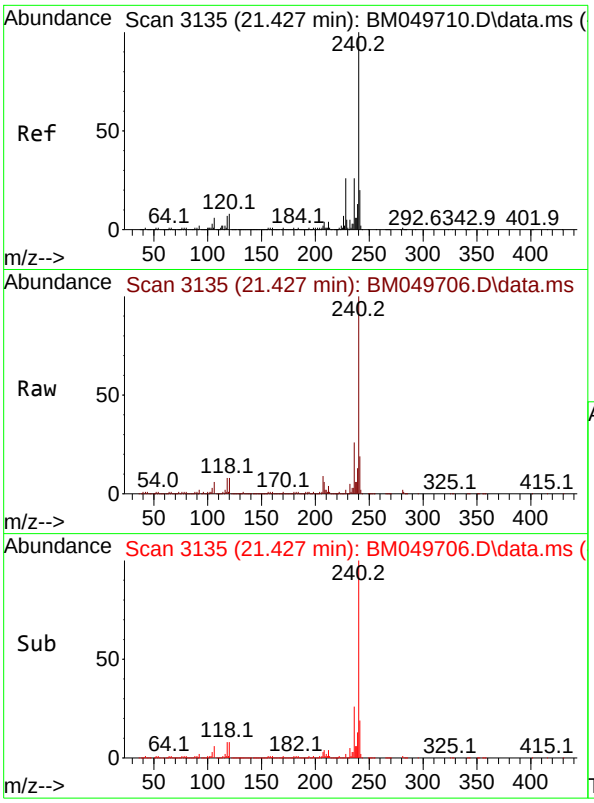


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion:188 Resp: 1680850

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.3	9.5



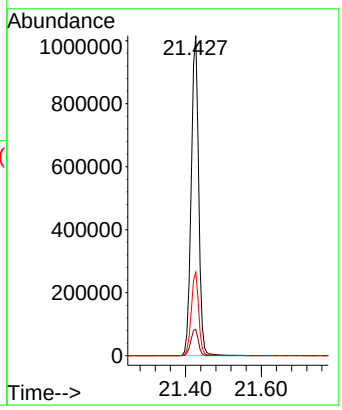


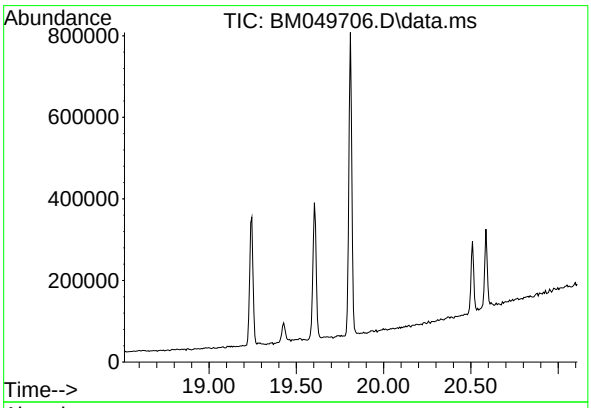
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1392908

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	26.1	20.7	31.1



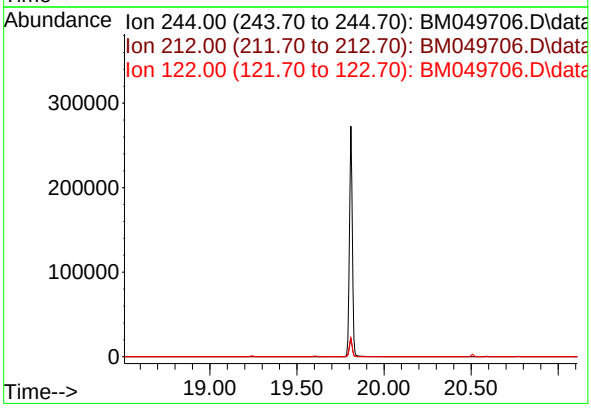


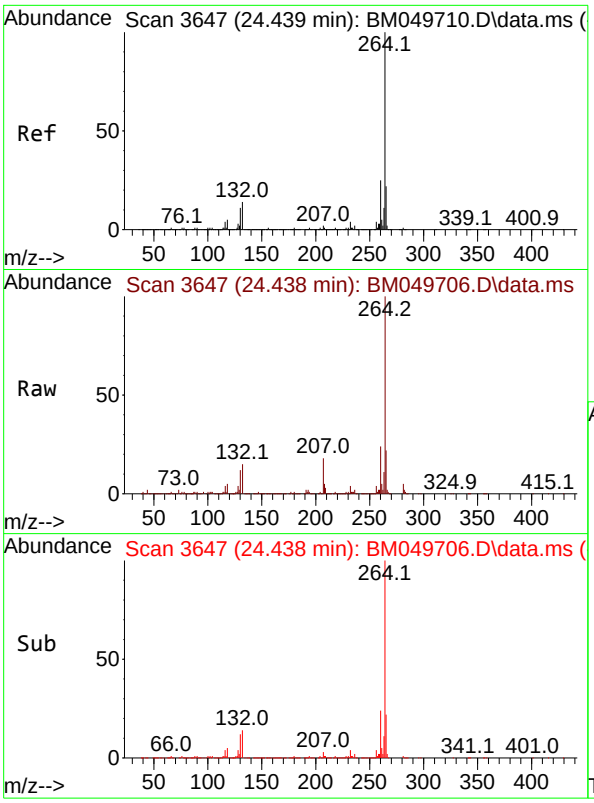
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.81 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	7.5



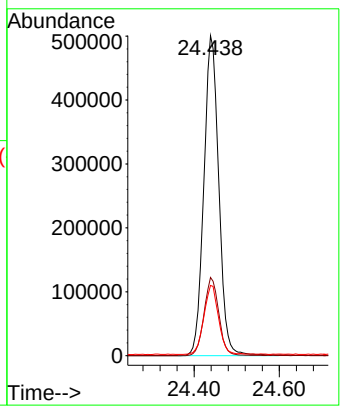


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.438 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1220001

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.0	18.2	27.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049707.D
Acq On : 13 Mar 2025 09:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	315304	20.000	ng		0.00
21) Naphthalene-d8	10.598	136	1116930	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	728283	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1354361	20.000	ng		0.00
76) Chrysene-d12	21.421	240	1106026	20.000	ng		0.00
86) Perylene-d12	24.439	264	1012212	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	161841	8.661	ng		0.00
7) Phenol-d6	6.975	99	208927	8.909	ng		0.00
23) Nitrobenzene-d5	8.957	82	191476	8.802	ng		0.00
42) 2,4,6-Tribromophenol	15.933	330	63003	7.408	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	505509	8.693	ng		0.00
79) Terphenyl-d14	19.809	244	541048	8.243	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	39656	4.902	ng		98
3) Pyridine	3.687	79	98528	4.763	ng		91
4) n-Nitrosodimethylamine	3.593	42	43004	4.705	ng	#	97
6) Aniline	7.128	93	96090	4.891	ng		99
8) 2-Chlorophenol	7.375	128	86029	4.649	ng		98
10) Phenol	7.004	94	106862	4.700	ng		97
11) bis(2-Chloroethyl)ether	7.228	93	89246	4.847	ng		99
12) 1,3-Dichlorobenzene	7.693	146	108468	4.823	ng		97
13) 1,4-Dichlorobenzene	7.840	146	109071	4.808	ng		97
14) 1,2-Dichlorobenzene	8.157	146	103023	4.778	ng		96
15) Benzyl Alcohol	8.045	79	64489	4.382	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	109281	5.050	ng		99
17) 2-Methylphenol	8.251	107	60631	4.491	ng		96
18) Hexachloroethane	8.892	117	37900	4.731	ng		93
19) n-Nitroso-di-n-propyla...	8.610	70	64645	4.754	ng		98
20) 3+4-Methylphenols	8.581	107	80556	4.453	ng		97
22) Acetophenone	8.622	105	133969	4.652	ng	#	96
24) Nitrobenzene	9.004	77	94934	4.628	ng		97
25) Isophorone	9.534	82	148174	4.436	ng		99
26) 2-Nitrophenol	9.716	139	32167	3.684	ng		99
27) 2,4-Dimethylphenol	9.781	122	47084	4.237	ng		98
28) bis(2-Chloroethoxy)met...	10.010	93	111446	4.737	ng		99
29) 2,4-Dichlorophenol	10.251	162	75855	4.189	ng		94
30) 1,2,4-Trichlorobenzene	10.469	180	105127	4.640	ng		97
31) Naphthalene	10.651	128	264426	4.604	ng		100
33) 4-Chloroaniline	10.757	127	87915	4.485	ng		99
34) Hexachlorobutadiene	10.945	225	62601	4.476	ng		99
35) Caprolactam	11.516	113	16257	3.867	ng		96
36) 4-Chloro-3-methylphenol	11.892	107	64969	4.181	ng		98
37) 2-Methylnaphthalene	12.263	142	185233	4.612	ng		98
38) 1-Methylnaphthalene	12.486	142	178536	4.608	ng		99
40) 1,2,4,5-Tetrachloroben...	12.633	216	115183	4.306	ng		100
41) Hexachlorocyclopentadiene	12.622	237	40661	4.103	ng		99
43) 2,4,6-Trichlorophenol	12.875	196	57349	3.828	ng		97
44) 2,4,5-Trichlorophenol	12.951	196	65204	3.988	ng		99
46) 1,1'-Biphenyl	13.275	154	254537	4.535	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049707.D
Acq On : 13 Mar 2025 09:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.316	162	197502	4.521	ng		98
48) 2-Nitroaniline	13.516	65	35130	3.582	ng		91
49) Acenaphthylene	14.163	152	264860	4.337	ng		100
50) Dimethylphthalate	13.898	163	228046	4.548	ng		99
51) 2,6-Dinitrotoluene	14.010	165	40941	4.075	ng		97
52) Acenaphthene	14.510	154	178205m	4.454	ng		
53) 3-Nitroaniline	14.345	138	36003	3.766	ng	#	96
55) Dibenzofuran	14.845	168	302949	4.539	ng		99
57) 2,4-Dinitrotoluene	14.798	165	47346	3.662	ng	#	93
58) Fluorene	15.492	166	228548	4.206	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.069	232	53081	3.879	ng		98
60) Diethylphthalate	15.263	149	206708	4.377	ng		99
61) 4-Chlorophenyl-phenyle...	15.486	204	121289	4.087	ng		95
62) 4-Nitroaniline	15.498	138	33080	6.438	ng		94
63) Azobenzene	15.780	77	195248	4.328	ng		99
66) n-Nitrosodiphenylamine	15.698	169	179325	4.370	ng		98
67) 4-Bromophenyl-phenylether	16.380	248	65014	4.158	ng		98
68) Hexachlorobenzene	16.498	284	77673	4.417	ng		97
69) Atrazine	16.651	200	49560	5.480	ng		96
71) Phenanthrene	17.227	178	327755	4.358	ng		99
72) Anthracene	17.315	178	302012	4.147	ng		98
73) Carbazole	17.586	167	265668	4.028	ng		99
74) Di-n-butylphthalate	18.157	149	273661	3.785	ng		99
75) Fluoranthene	19.245	202	329851	3.810	ng		99
78) Pyrene	19.604	202	342964	4.438	ng		99
80) Butylbenzylphthalate	20.509	149	89358	3.726	ng		99
81) Benzo(a)anthracene	21.403	228	317845	4.302	ng		99
83) Chrysene	21.468	228	296298	4.231	ng		99
84) Bis(2-ethylhexyl)phtha...	21.339	149	135712	3.631	ng		97
87) Indeno(1,2,3-cd)pyrene	27.832	276	287160	3.942	ng	#	88
88) Benzo(b)fluoranthene	23.486	252	275289	4.038	ng	#	99
89) Benzo(k)fluoranthene	23.544	252	274827	4.097	ng		97
90) Benzo(a)pyrene	24.297	252	227436	3.972	ng		98
91) Dibenzo(a,h)anthracene	27.897	278	237863	3.919	ng		98
92) Benzo(g,h,i)perylene	28.891	276	250396	4.095	ng		98

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049707.D
Acq On : 13 Mar 2025 09:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 13 14:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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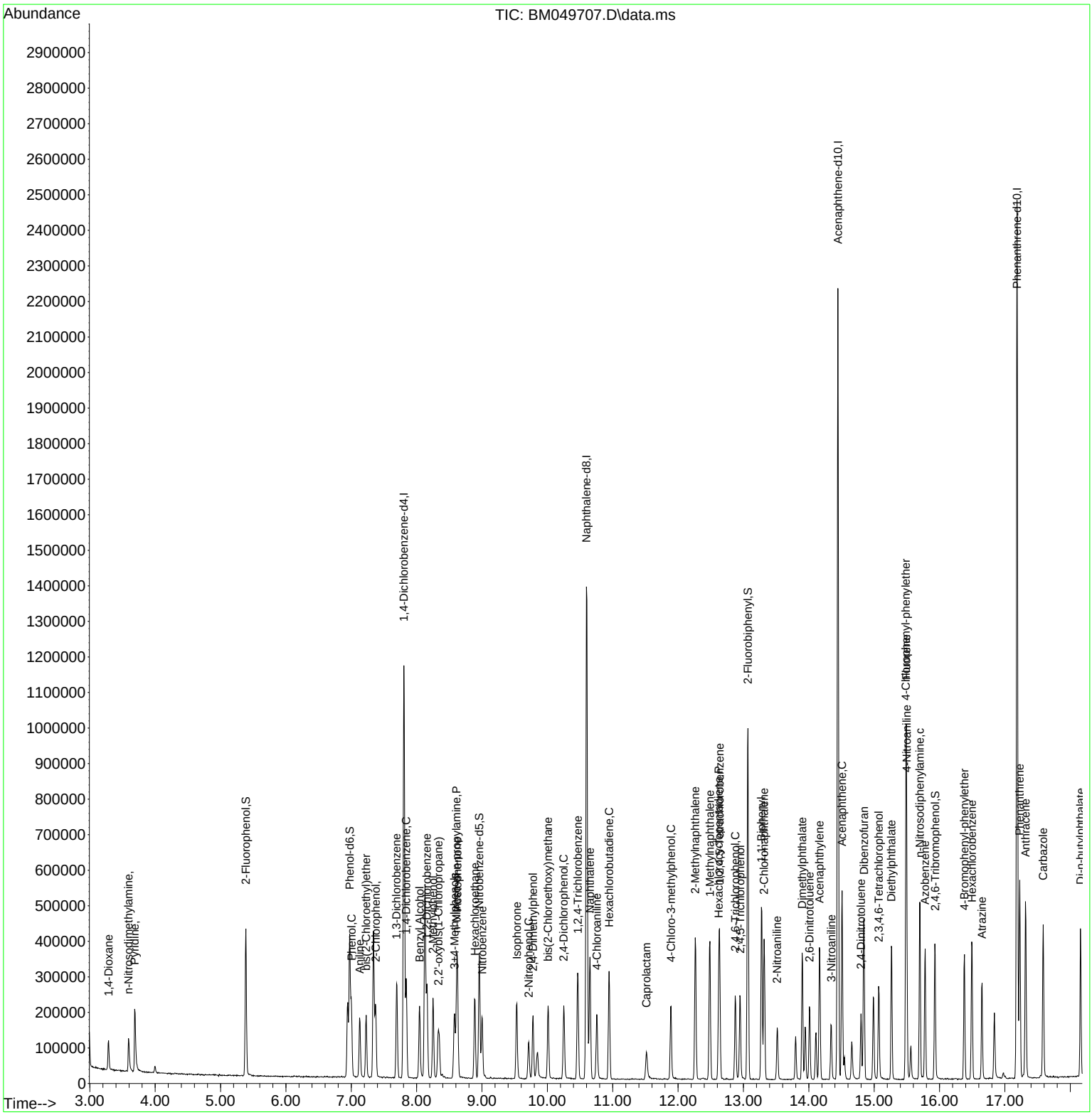

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049707.D
Acq On : 13 Mar 2025 09:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 13 14:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
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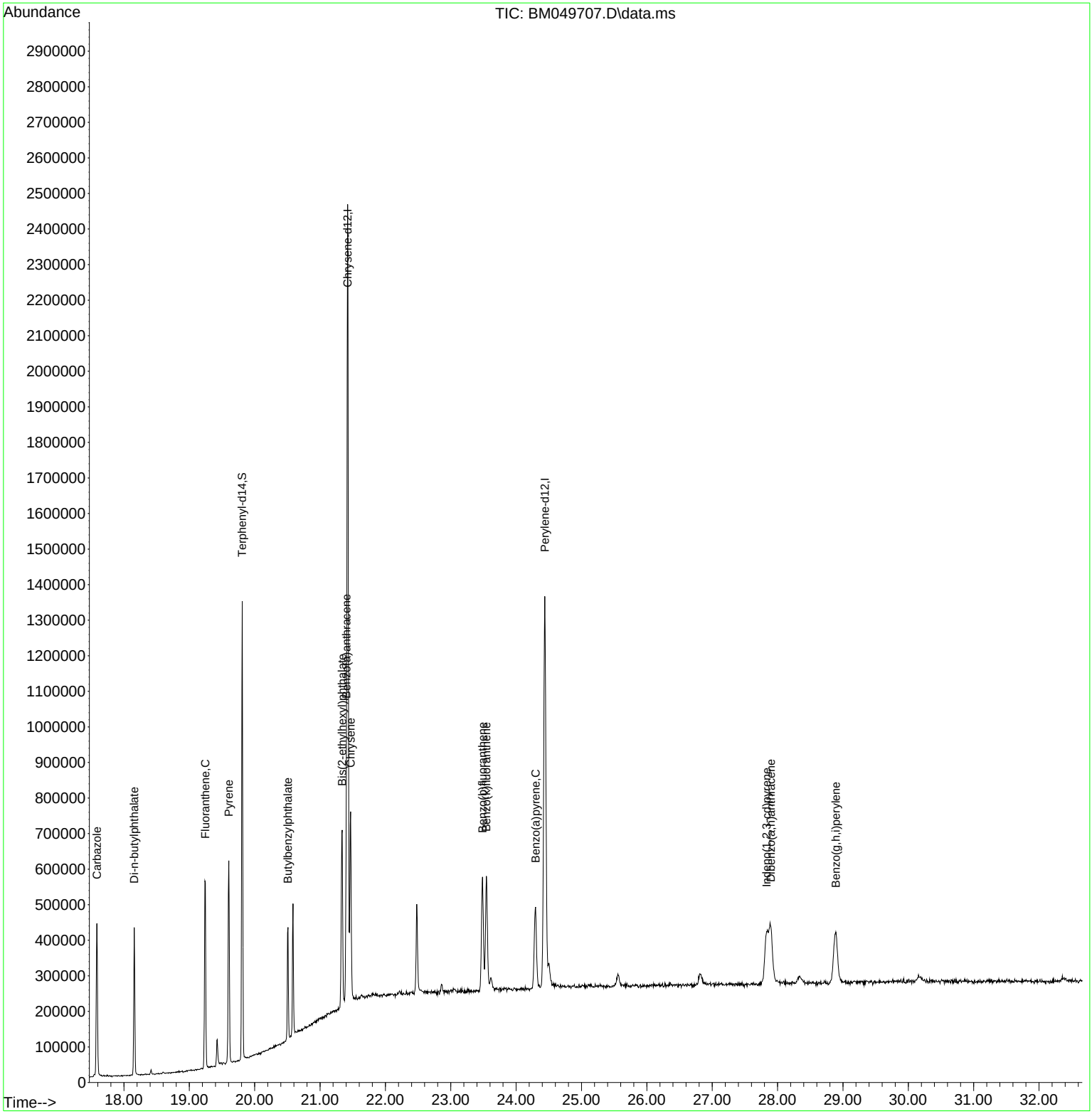
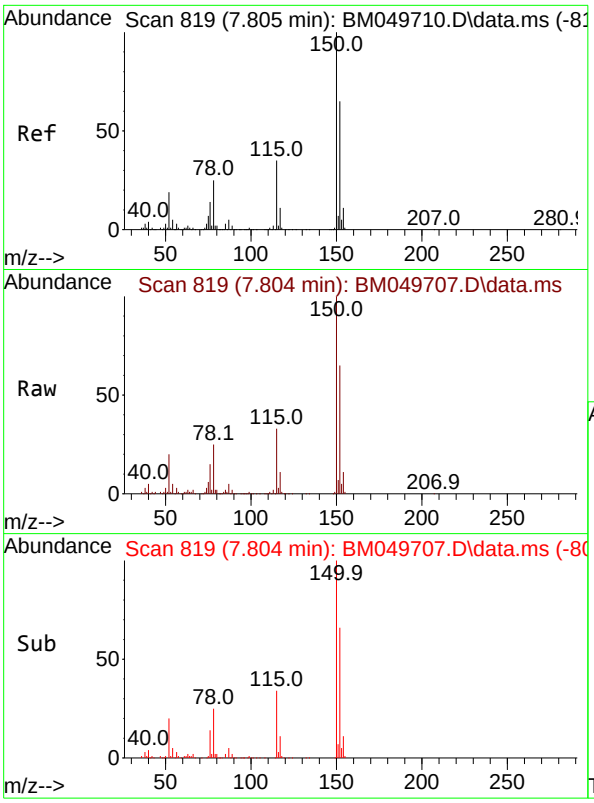
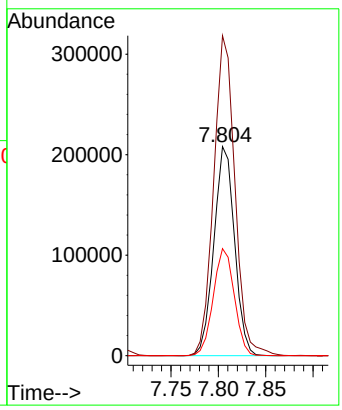




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:152 Resp: 31530

Ion	Ratio	Lower	Upper
152	100		
150	153.0	123.8	185.8
115	51.2	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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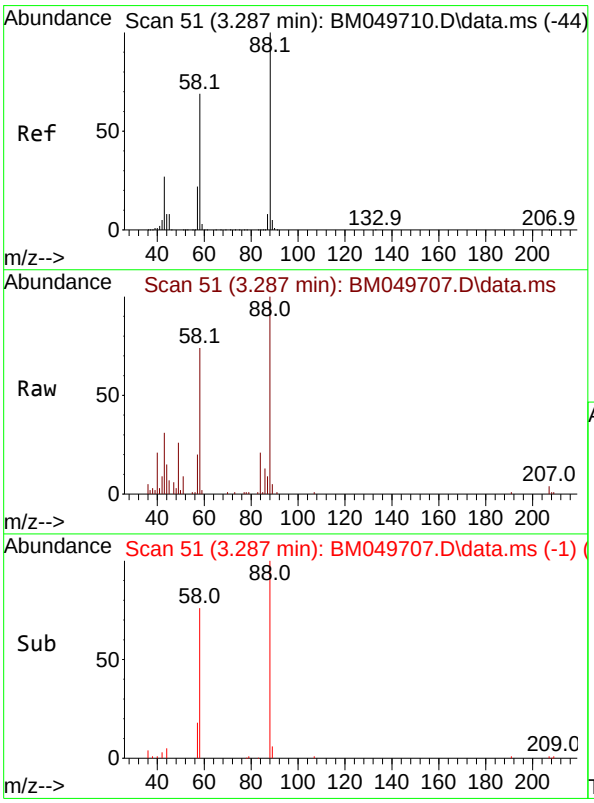
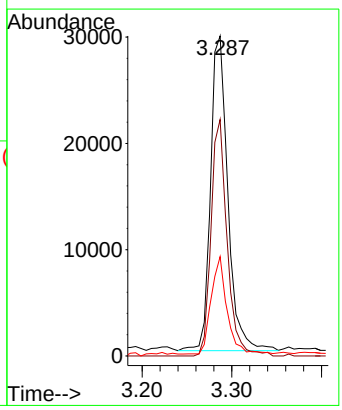
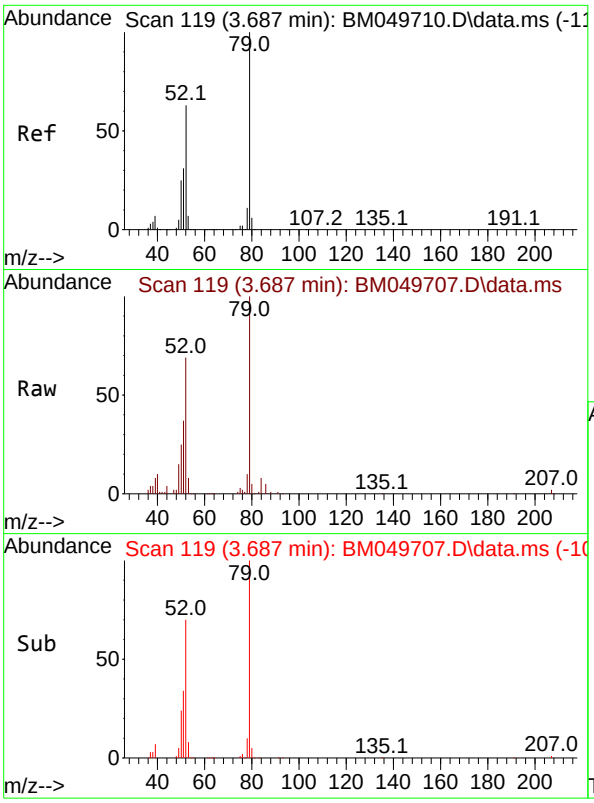


#2
1,4-Dioxane
Concen: 4.902 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 88 Resp: 39656

Ion	Ratio	Lower	Upper
88	100		
58	69.7	56.7	85.1
43	31.0	22.6	34.0





#3
Pyridine
Concen: 4.763 ng
RT: 3.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 79 Resp: 9852

Ion	Ratio	Lower	Upper
79	100		
52	69.3	50.1	75.1
51	37.2	25.2	37.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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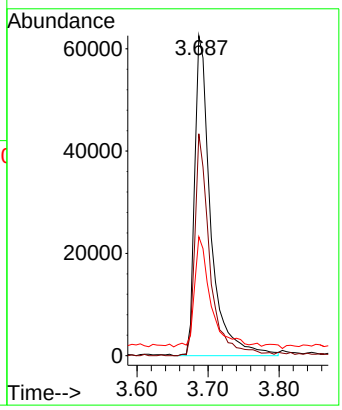
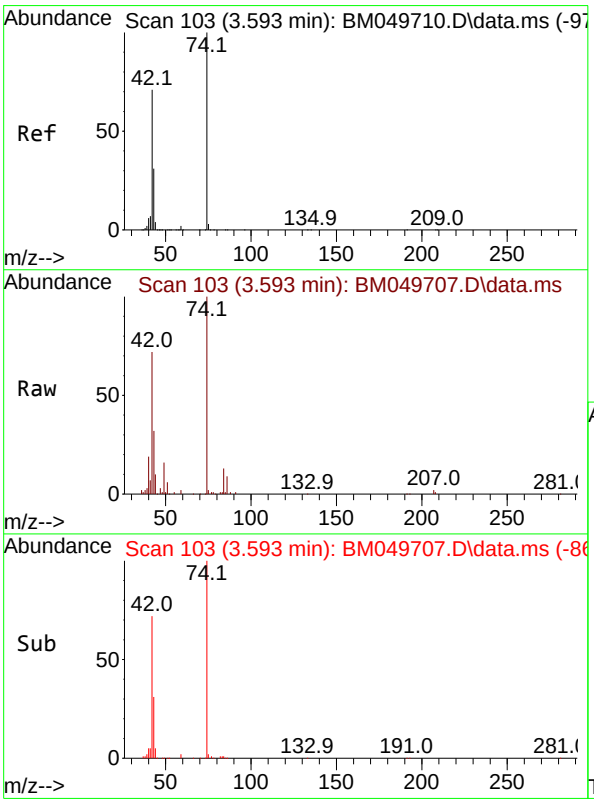
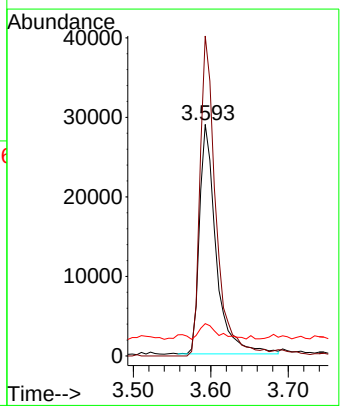


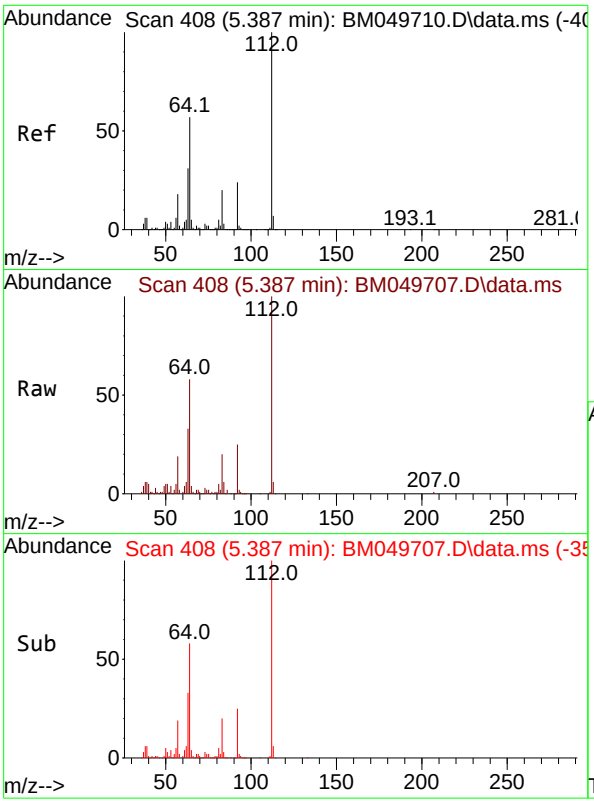


#4
n-Nitrosodimethylamine
Concen: 4.705 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 42 Resp: 43004

Ion	Ratio	Lower	Upper
42	100		
74	138.2	112.6	168.8
44	14.0	5.0	7.6#

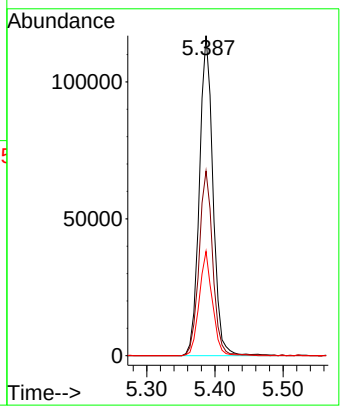




#5
2-Fluorophenol
Concen: 8.661 ng
RT: 5.387 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:112 Resp: 16184

Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.3	67.9
63	32.6	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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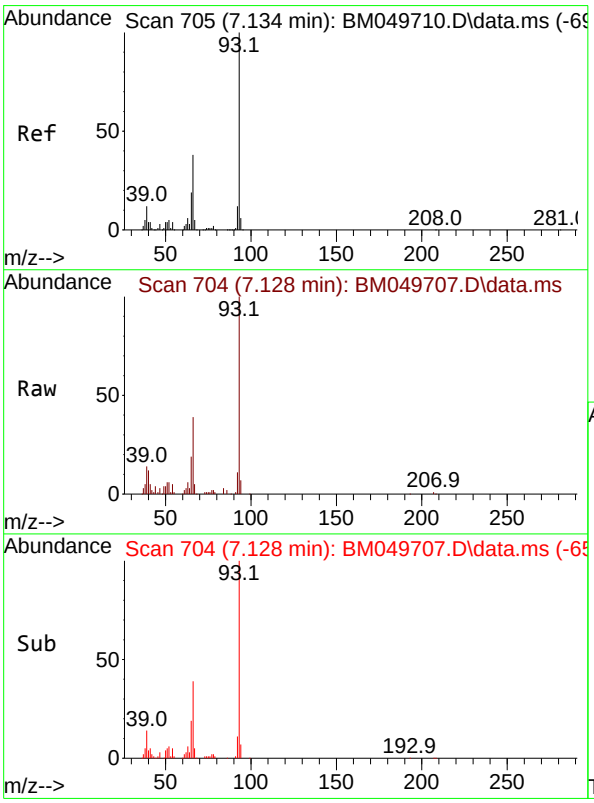
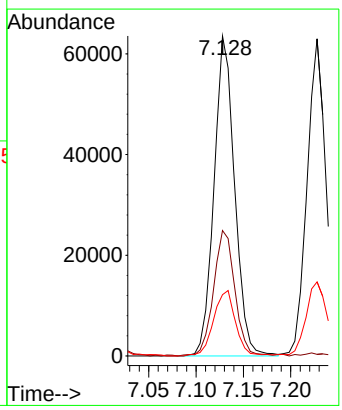
Supervised By :Jagrut Upadhyay 03/14/2025

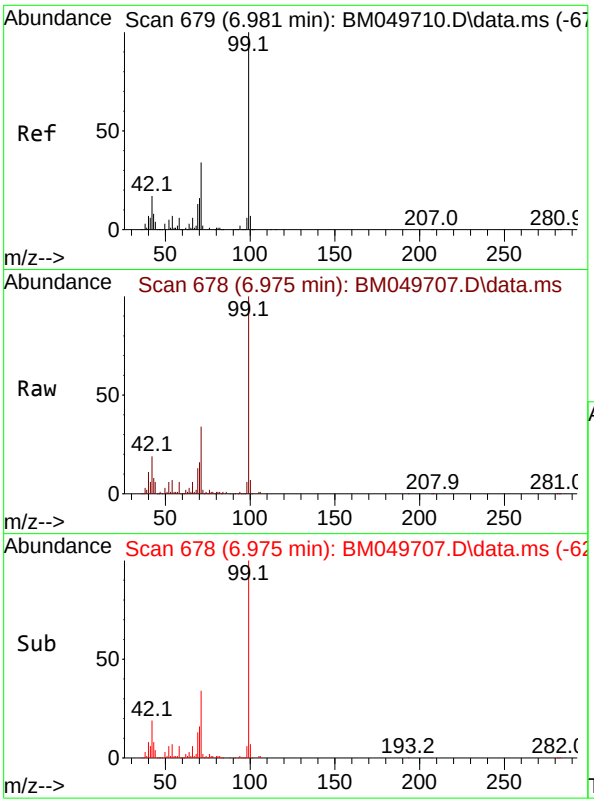


#6
Aniline
Concen: 4.891 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 93 Resp: 96090

Ion	Ratio	Lower	Upper
93	100		
66	39.2	30.6	46.0
65	19.2	15.4	23.2

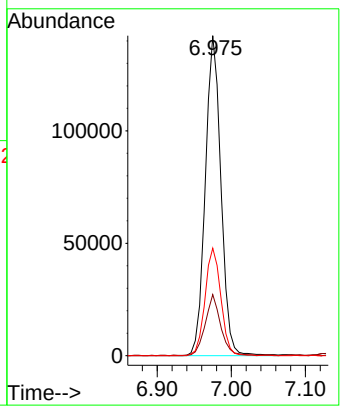




#7
Phenol-d6
Concen: 8.909 ng
RT: 6.975 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 99 Resp: 20892

Ion	Ratio	Lower	Upper
99	100		
42	19.1	13.6	20.4
71	33.6	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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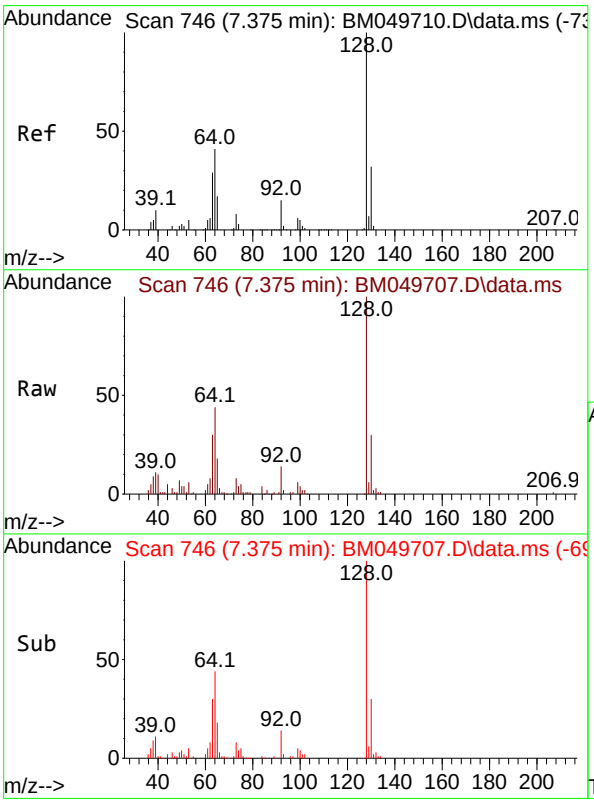
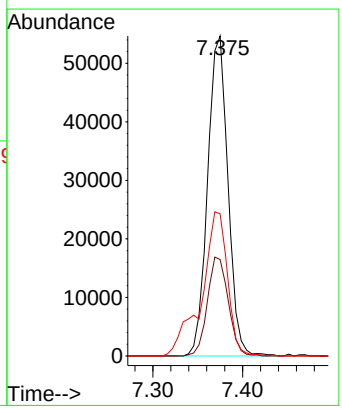
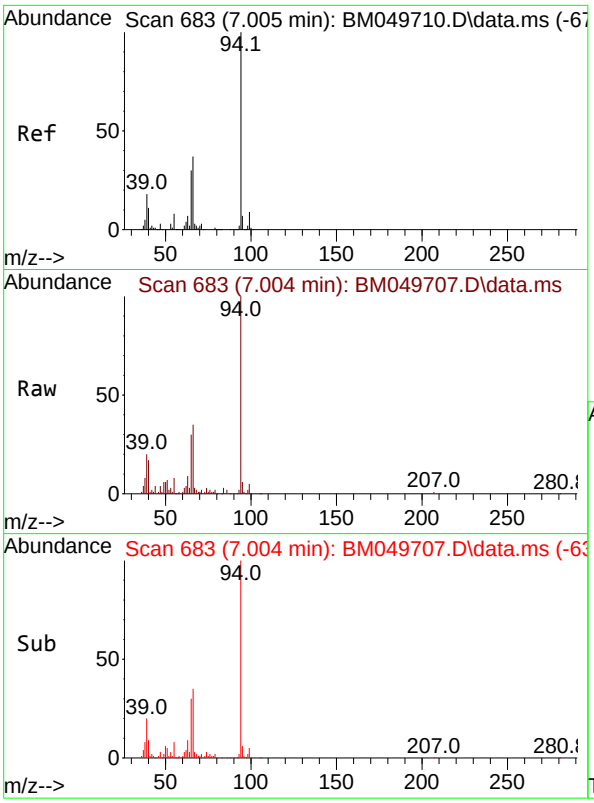


#8
2-Chlorophenol
Concen: 4.649 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:128 Resp: 86029

Ion	Ratio	Lower	Upper
128	100		
130	30.2	12.5	52.5
64	44.4	24.9	64.9

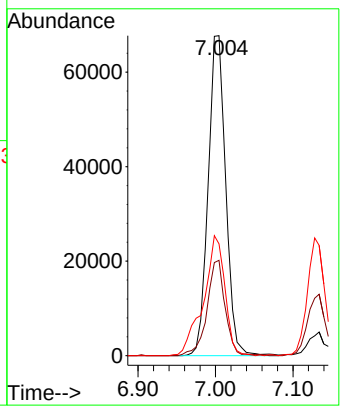




#10
Phenol
Concen: 4.700 ng
RT: 7.004 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 94 Resp: 10686

Ion	Ratio	Lower	Upper
94	100		
65	29.8	10.4	50.4
66	34.9	17.1	57.1



Instrument :
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ClientSampleId :
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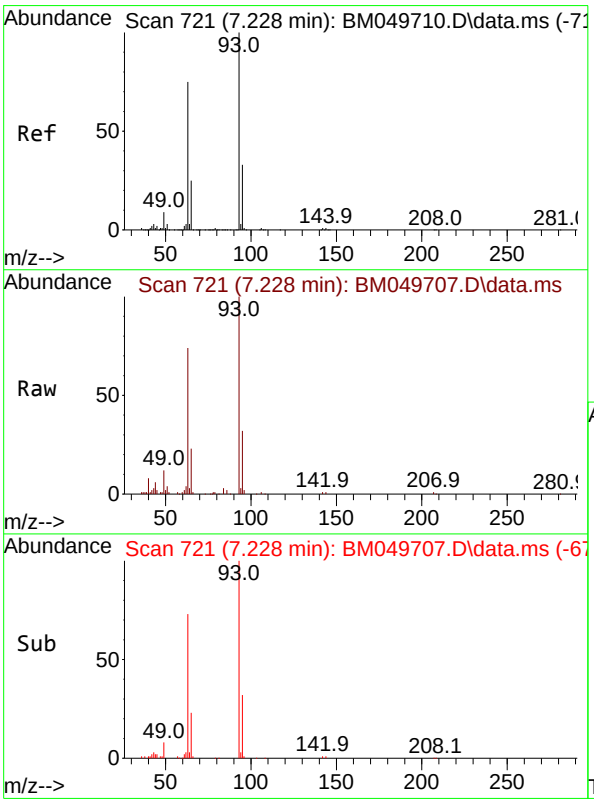
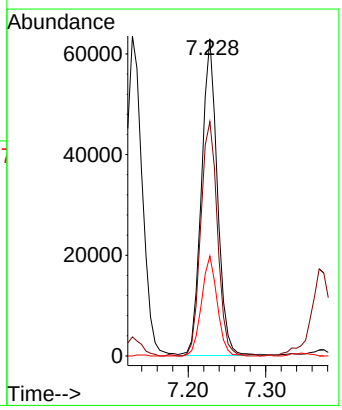
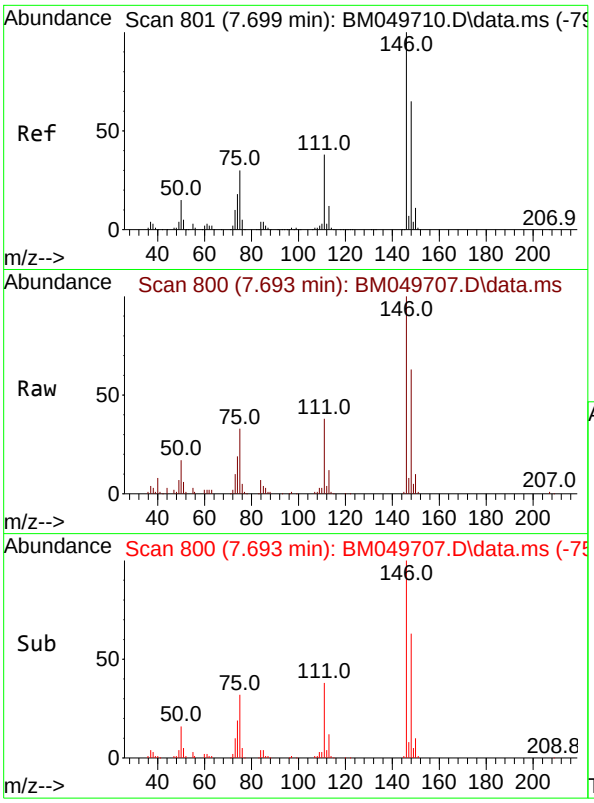


#11
bis(2-Chloroethyl)ether
Concen: 4.847 ng
RT: 7.228 min Scan# 721
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 93 Resp: 89246

Ion	Ratio	Lower	Upper
93	100		
63	73.9	54.8	94.8
95	31.6	12.8	52.8

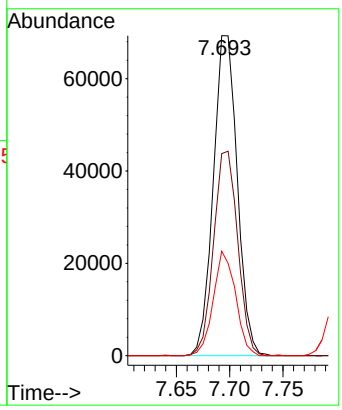




#12
1,3-Dichlorobenzene
Concen: 4.823 ng
RT: 7.693 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:146 Resp: 10846

Ion	Ratio	Lower	Upper
146	100		
148	63.1	52.3	78.5
75	32.7	24.2	36.2



Instrument :
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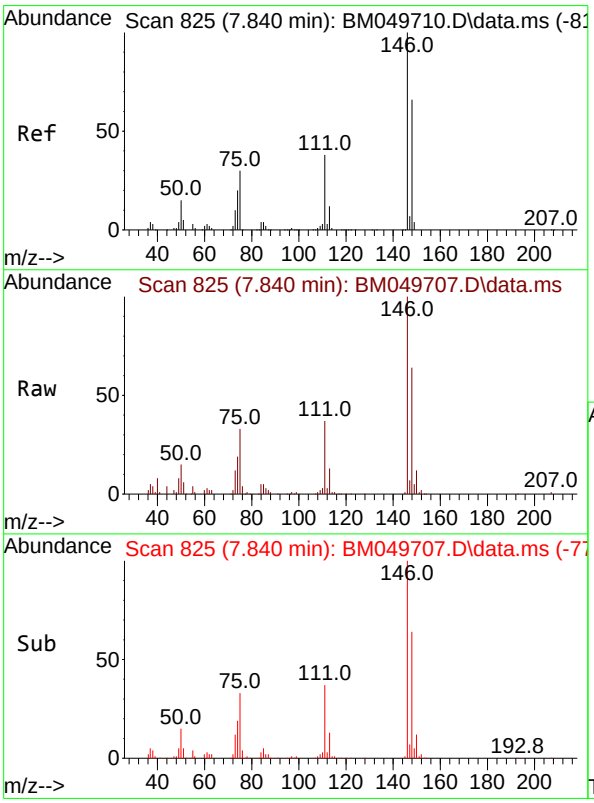
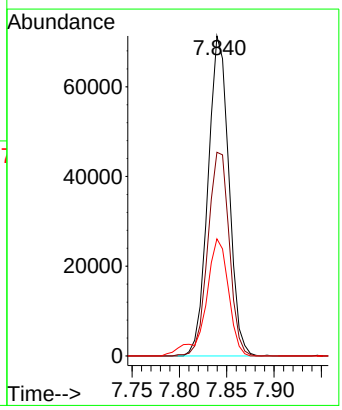
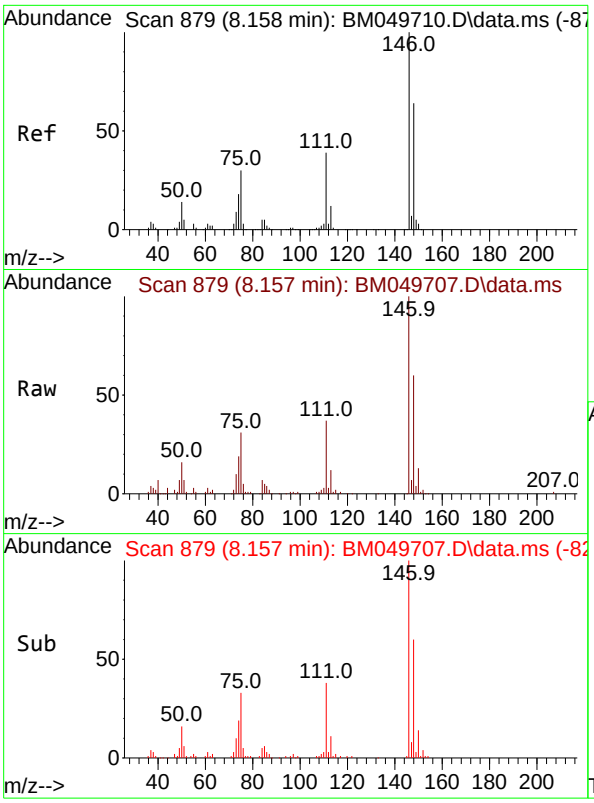


#13
1,4-Dichlorobenzene
Concen: 4.808 ng
RT: 7.840 min Scan# 825
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:146 Resp: 109071

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.6	79.0
111	36.6	30.8	46.2

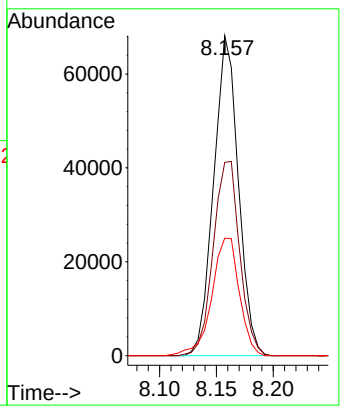




#14
1,2-Dichlorobenzene
Concen: 4.778 ng
RT: 8.157 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:146 Resp: 10302

Ion	Ratio	Lower	Upper
146	100		
148	60.4	50.9	76.3
111	36.7	31.0	46.6



Instrument :
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ClientSampleId :
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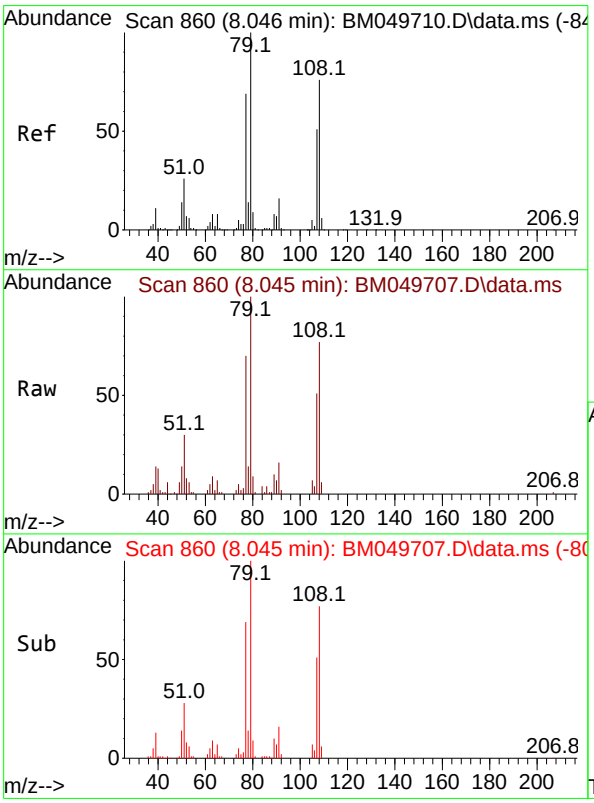
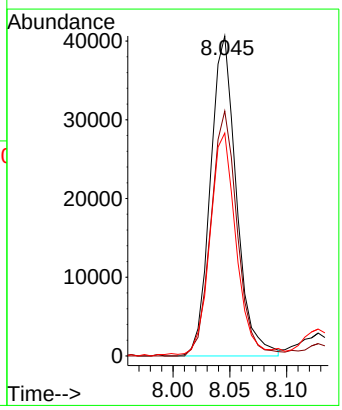
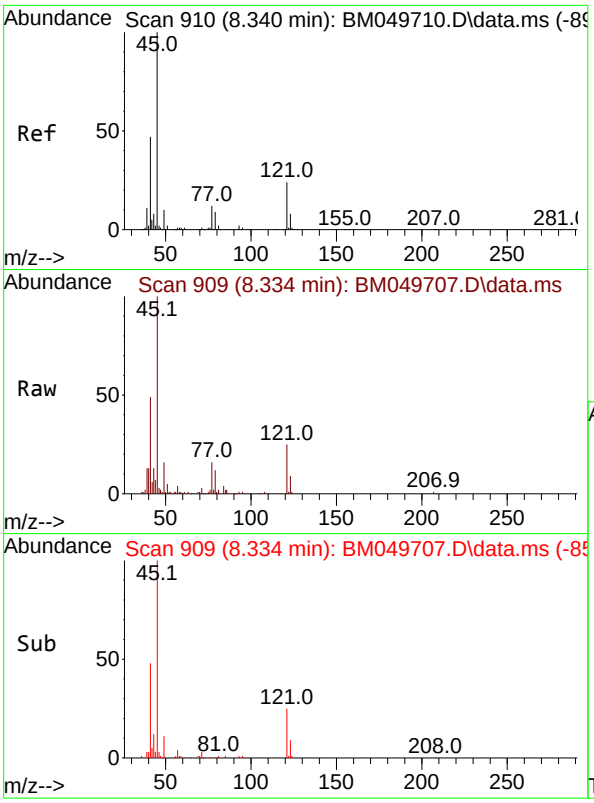


#15
Benzyl Alcohol
Concen: 4.382 ng
RT: 8.045 min Scan# 860
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 79 Resp: 64489

Ion	Ratio	Lower	Upper
79	100		
108	76.5	60.7	91.1
77	69.7	55.4	83.2

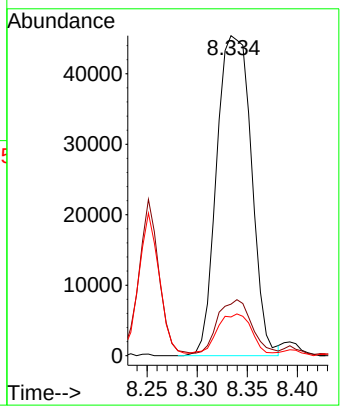




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.050 ng
RT: 8.334 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 45 Resp: 10928

Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	36.1
79	12.1	0.0	32.8



Instrument :
BNA_M
ClientSampleId :
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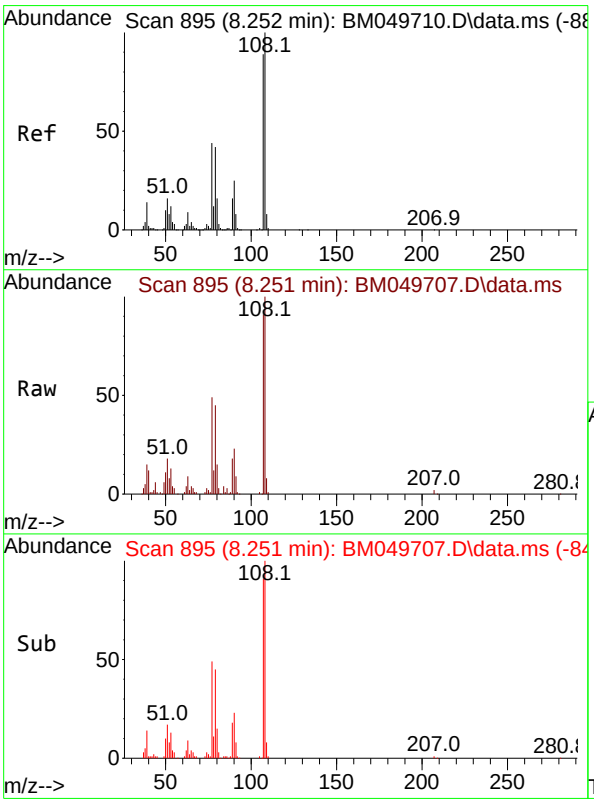
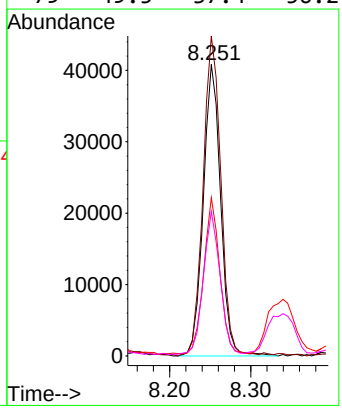
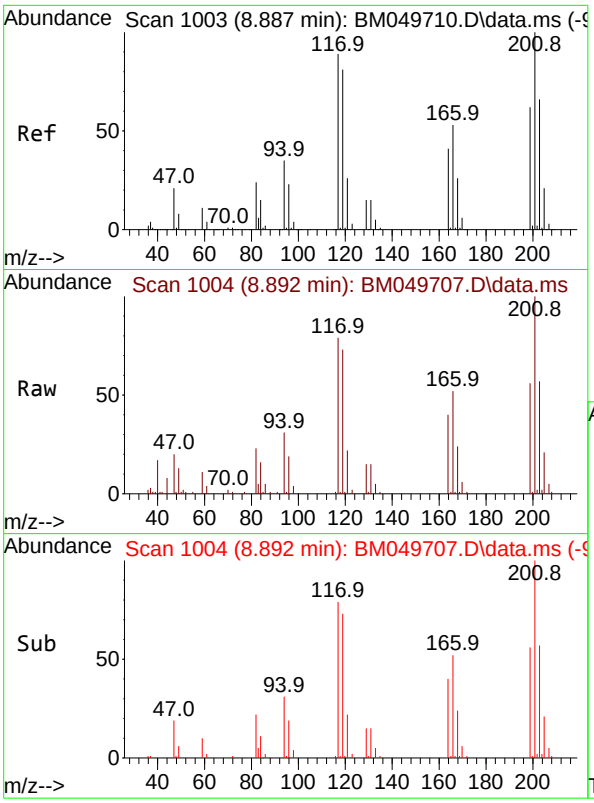


#17
2-Methylphenol
Concen: 4.491 ng
RT: 8.251 min Scan# 895
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:107 Resp: 60631

Ion	Ratio	Lower	Upper
107	100		
108	109.8	89.6	134.4
77	54.3	39.8	59.6
79	49.5	37.4	56.2

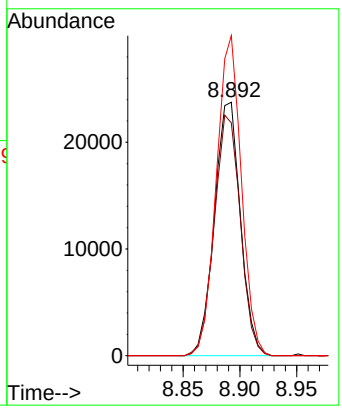




#18
Hexachloroethane
Concen: 4.731 ng
RT: 8.892 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:117 Resp: 3790(

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.1	109.7
201	126.3	90.0	135.0



Instrument :
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ClientSampleId :
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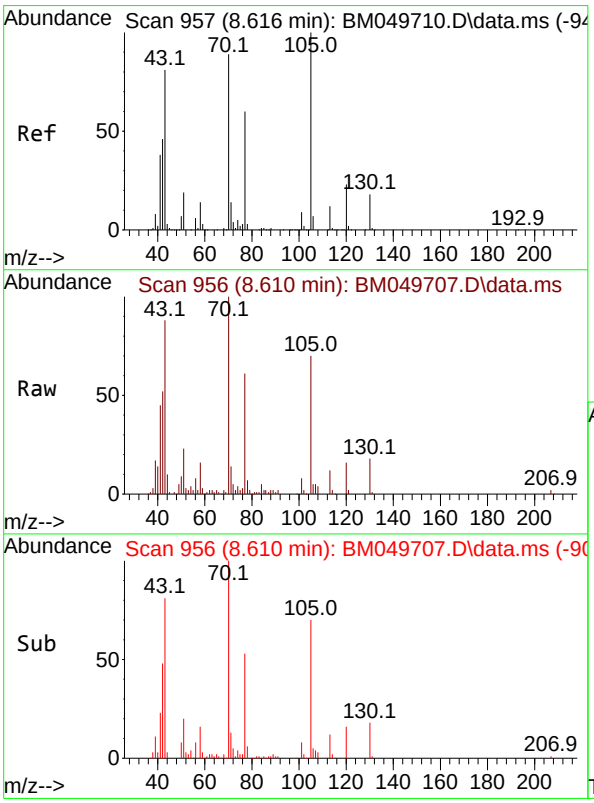
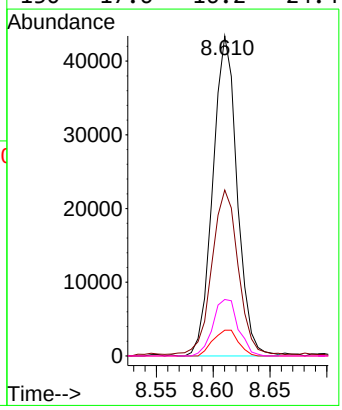
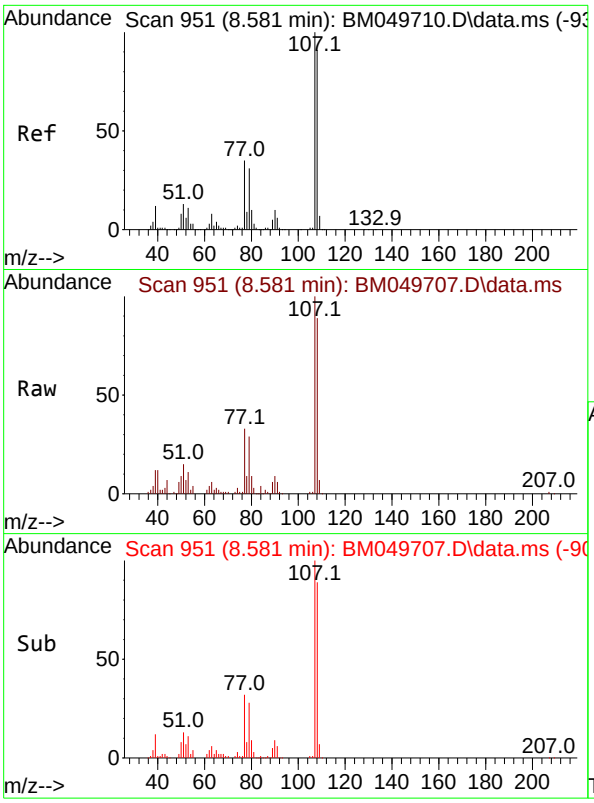


#19
n-Nitroso-di-n-propylamine
Concen: 4.754 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 70 Resp: 64645

Ion	Ratio	Lower	Upper
70	100		
42	51.9	41.8	62.6
101	8.1	7.7	11.5
130	17.6	16.2	24.4

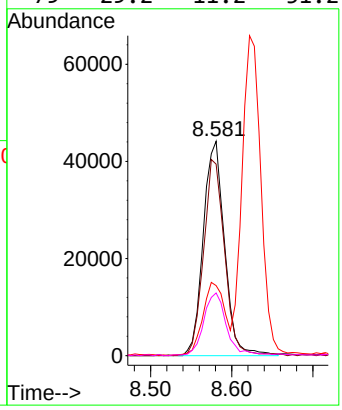




#20
3+4-Methylphenols
Concen: 4.453 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:107 Resp: 8055

Ion	Ratio	Lower	Upper
107	100		
108	89.3	71.0	111.0
77	32.7	15.1	55.1
79	29.2	11.2	51.2



Instrument :
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ClientSampleId :
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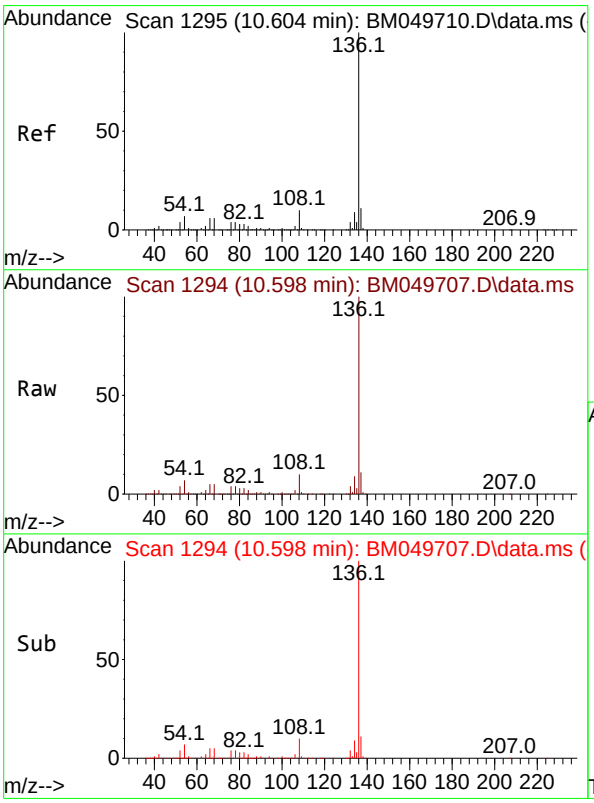
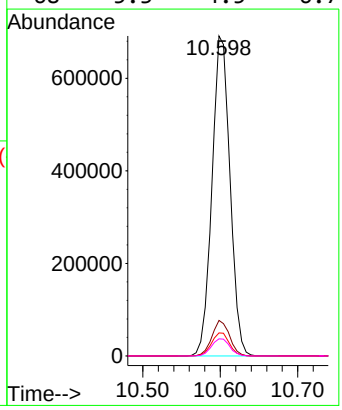
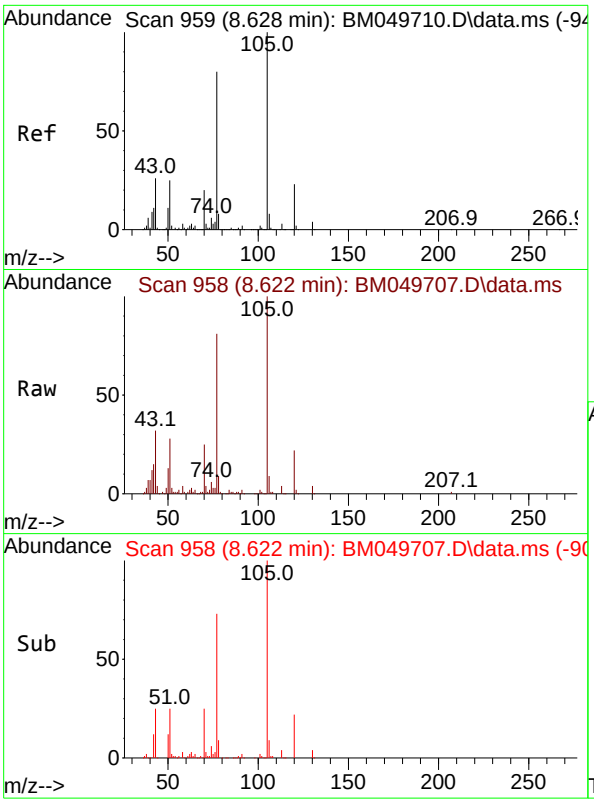


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:136 Resp: 1116930

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	7.2	5.8	8.8
68	5.3	4.5	6.7

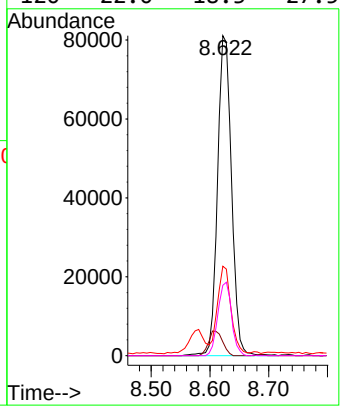




#22
Acetophenone
Concen: 4.652 ng
RT: 8.622 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:105 Resp: 13396

Ion	Ratio	Lower	Upper
105	100		
71	4.3	2.5	3.7
51	28.0	19.9	29.9
120	22.0	18.3	27.5



Instrument :
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ClientSampleId :
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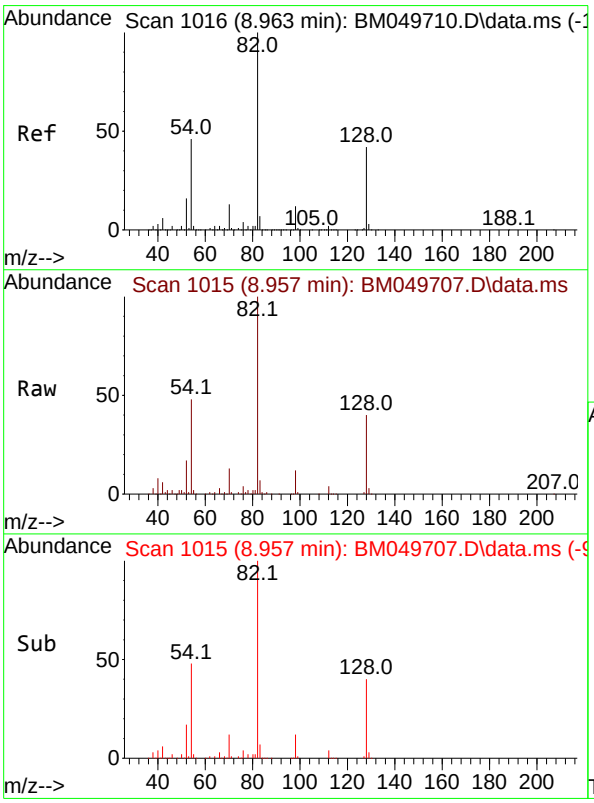
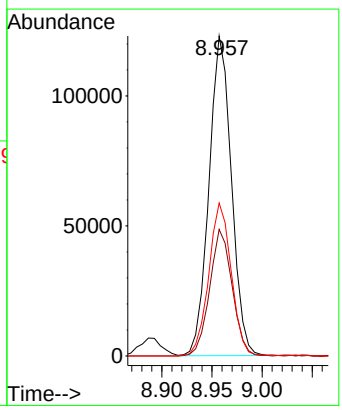
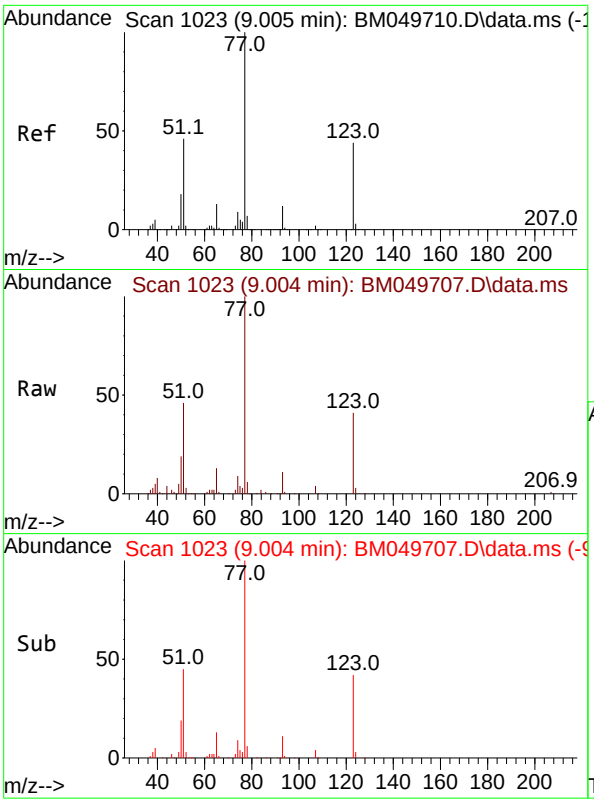


#23
Nitrobenzene-d5
Concen: 8.802 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 82 Resp: 191476

Ion	Ratio	Lower	Upper
82	100		
128	39.5	33.4	50.0
54	47.8	36.4	54.6





#24
Nitrobenzene
Concen: 4.628 ng
RT: 9.004 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 77 Resp: 9493

Ion	Ratio	Lower	Upper
77	100		
123	41.3	34.9	52.3
65	12.9	10.6	15.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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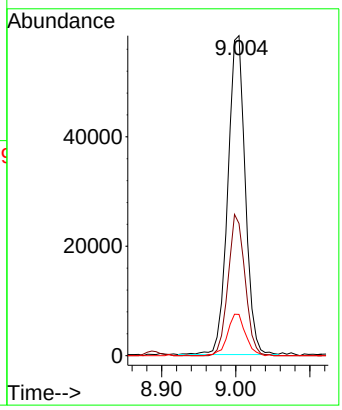
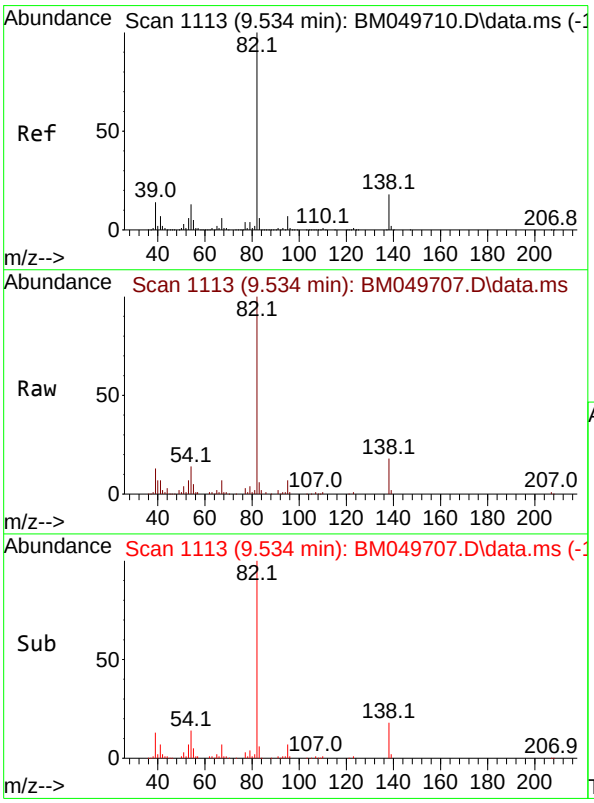
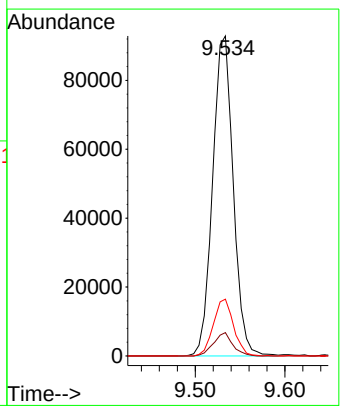


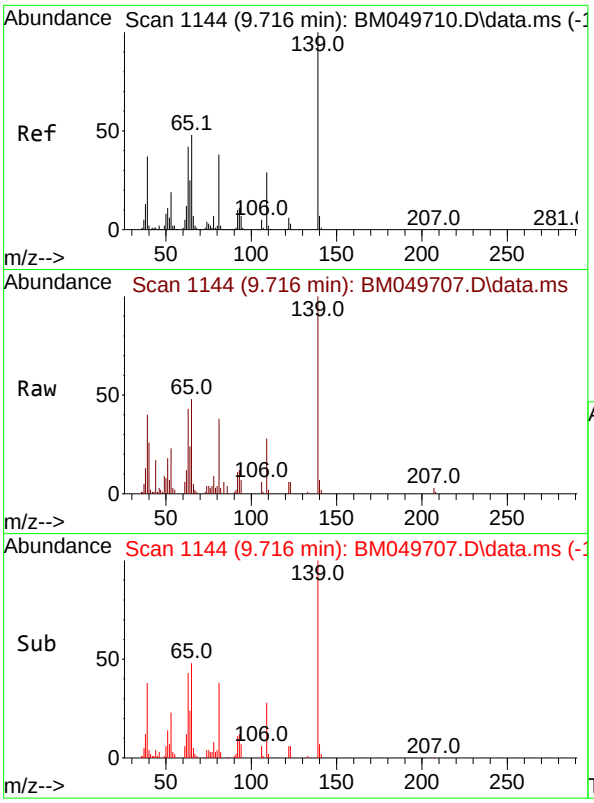


#25
Isophorone
Concen: 4.436 ng
RT: 9.534 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 82 Resp: 148174

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.3	7.9
138	17.8	14.4	21.6





#26
2-Nitrophenol
Concen: 3.684 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:139 Resp: 3216

Ion	Ratio	Lower	Upper
139	100		
109	28.1	23.3	34.9
65	48.1	38.6	58.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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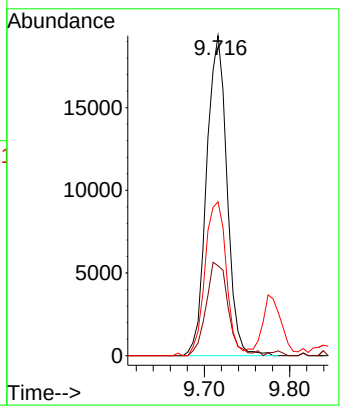
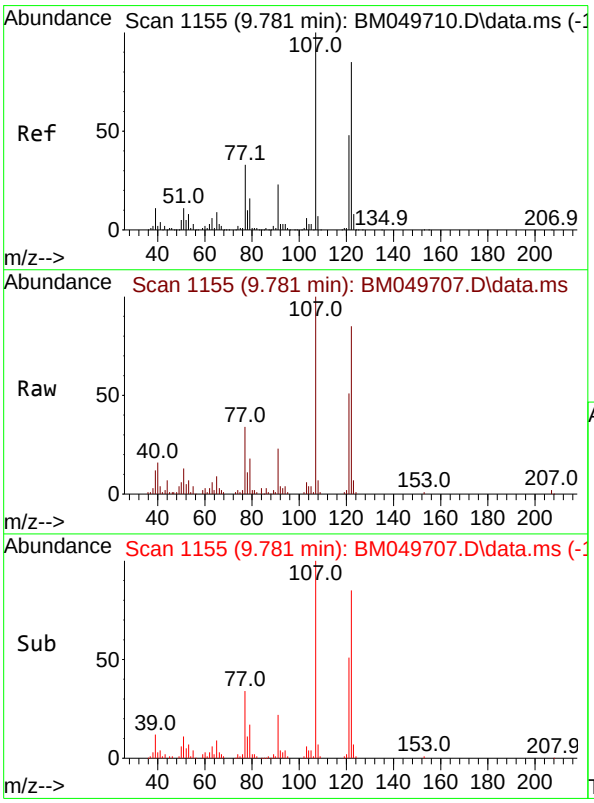
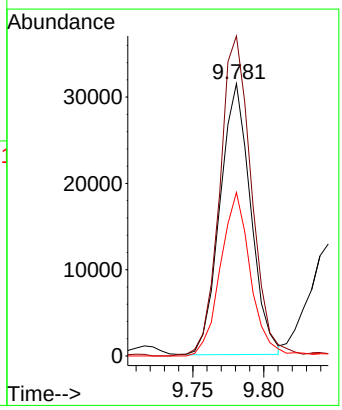


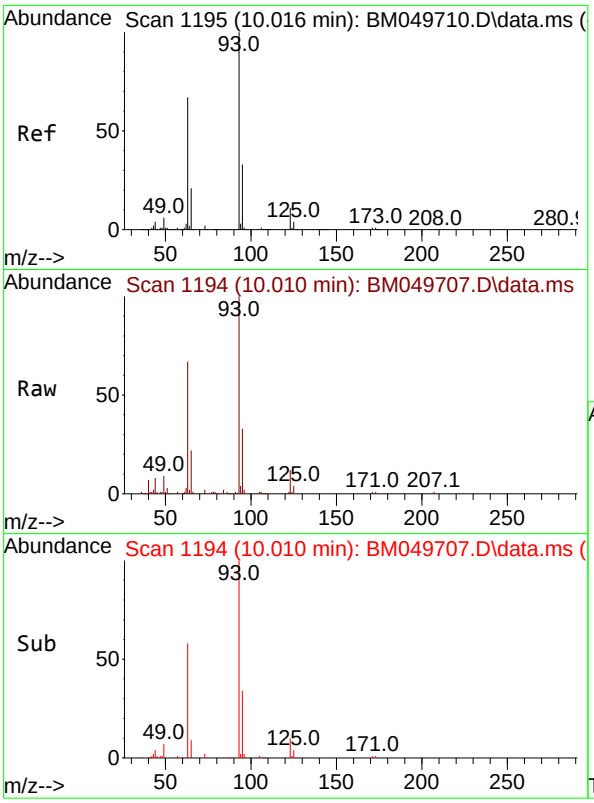


#27
2,4-Dimethylphenol
Concen: 4.237 ng
RT: 9.781 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:122 Resp: 47084

Ion	Ratio	Lower	Upper
122	100		
107	117.5	94.3	141.5
121	60.0	45.4	68.2

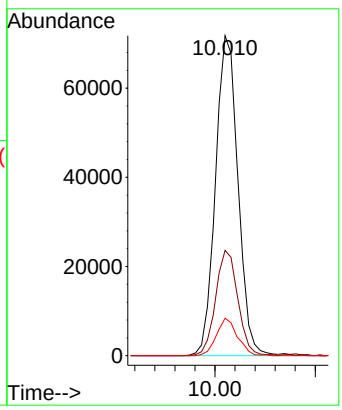




#28
bis(2-Chloroethoxy)methane
Concen: 4.737 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 93 Resp: 11144

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.6	40.0
123	11.7	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
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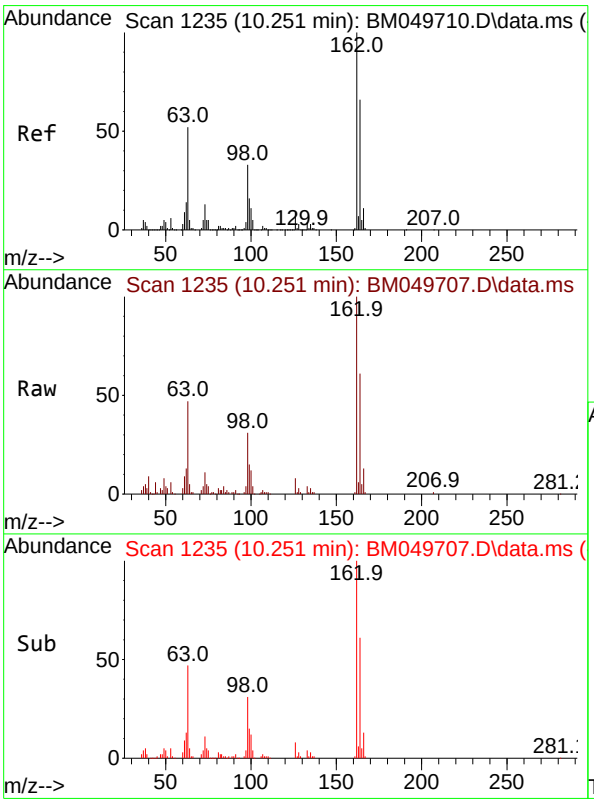
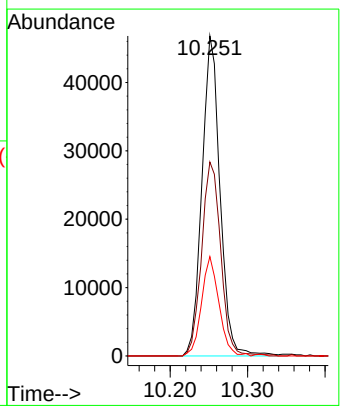
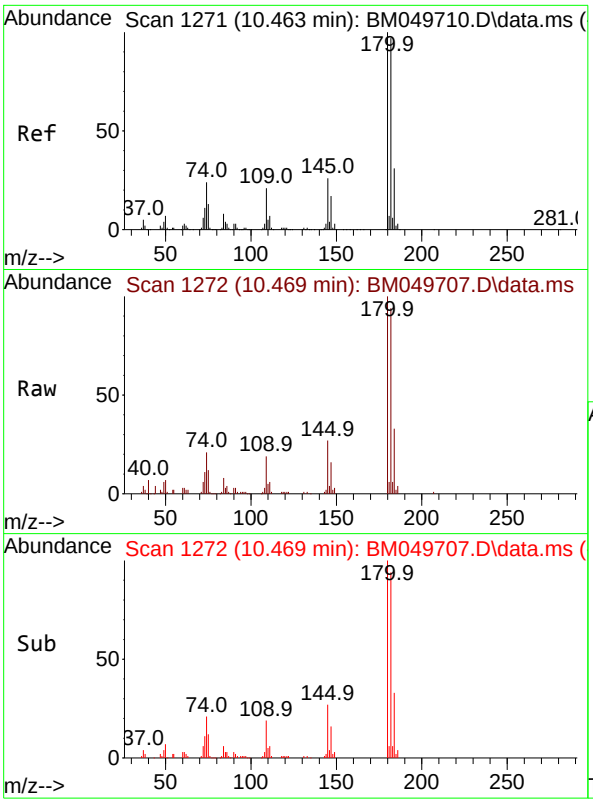


#29
2,4-Dichlorophenol
Concen: 4.189 ng
RT: 10.251 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:162 Resp: 75855

Ion	Ratio	Lower	Upper
162	100		
164	60.6	46.3	86.3
98	31.1	12.8	52.8

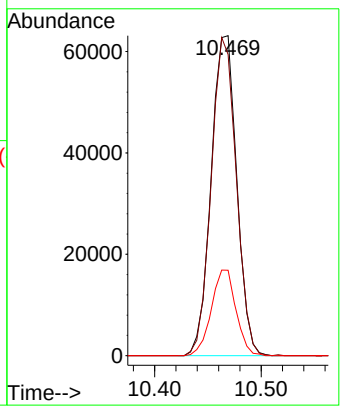




#30
1,2,4-Trichlorobenzene
Concen: 4.640 ng
RT: 10.469 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:180 Resp: 10512

Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.7	116.5
145	26.7	21.0	31.4



Instrument :
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ClientSampleId :
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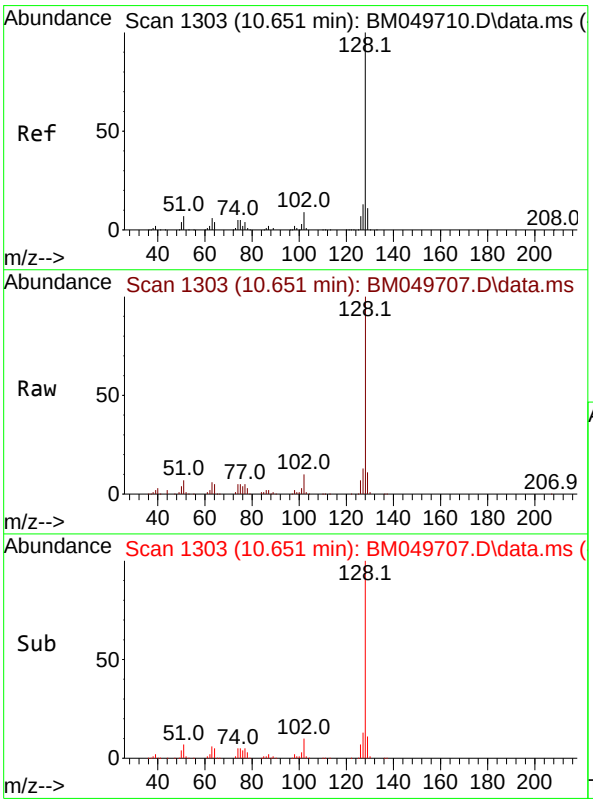
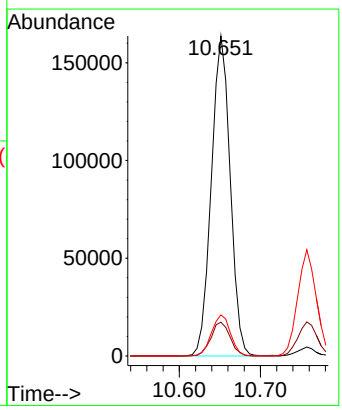
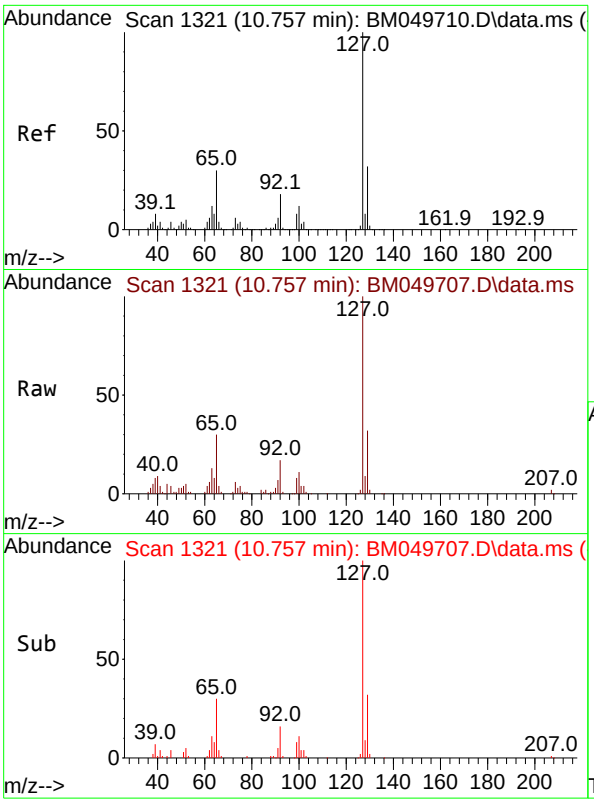


#31
Naphthalene
Concen: 4.604 ng
RT: 10.651 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:128 Resp: 264426

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	12.9	10.4	15.6

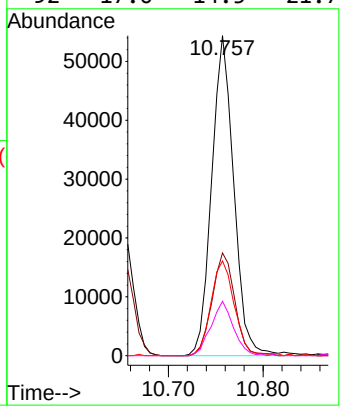




#33
4-Chloroaniline
Concen: 4.485 ng
RT: 10.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:127 Resp: 8791

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	29.6	24.1	36.1
92	17.0	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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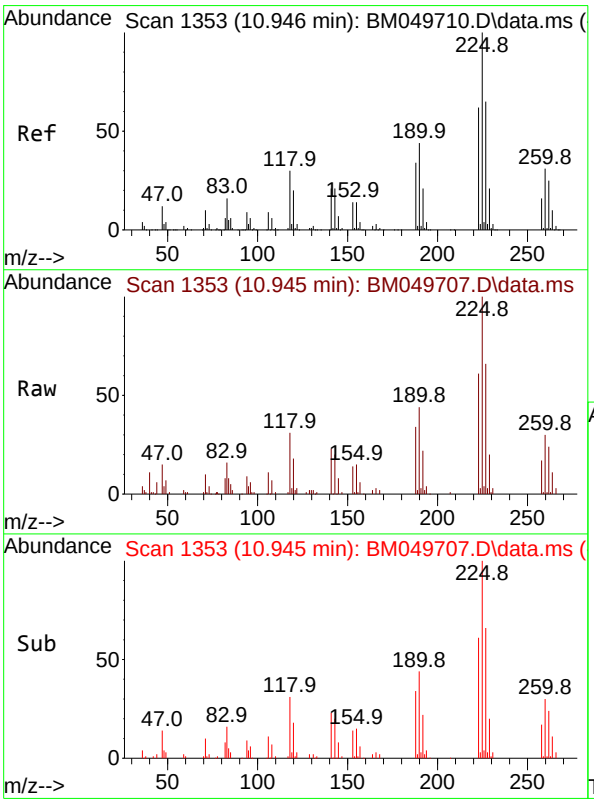
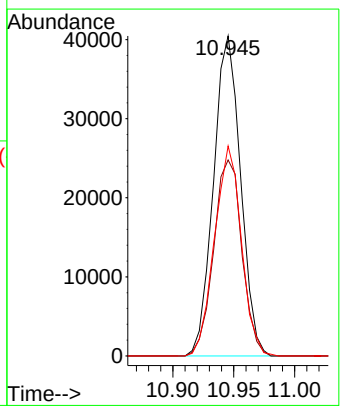
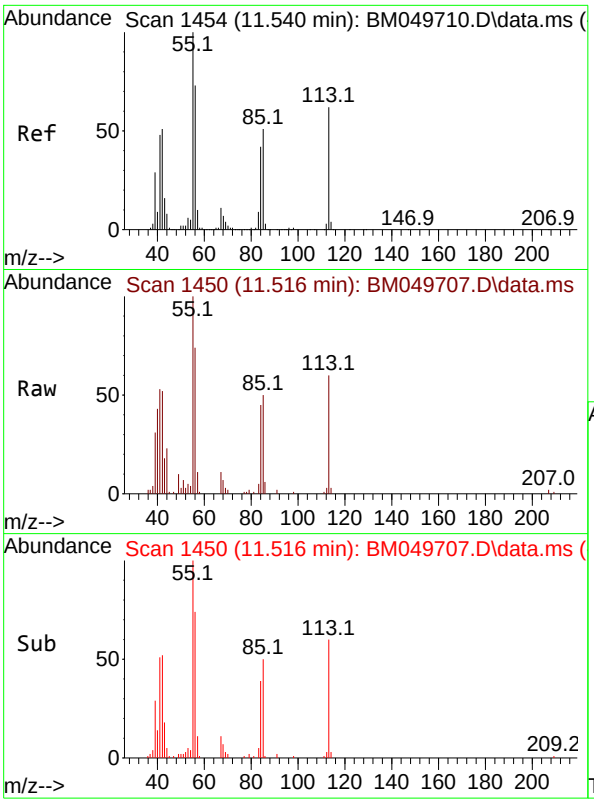


#34
Hexachlorobutadiene
Concen: 4.476 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:225 Resp: 62601

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.8	74.8
227	65.6	52.1	78.1





#35
Caprolactam
Concen: 3.867 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.024 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:113 Resp: 1625

Ion	Ratio	Lower	Upper
113	100		
55	166.4	141.8	181.8
56	123.0	98.0	138.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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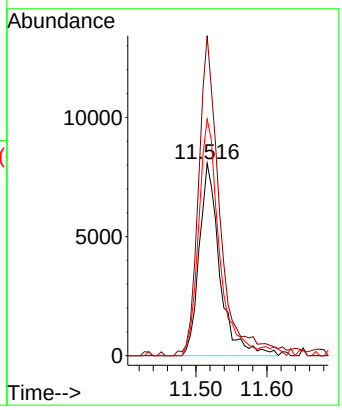
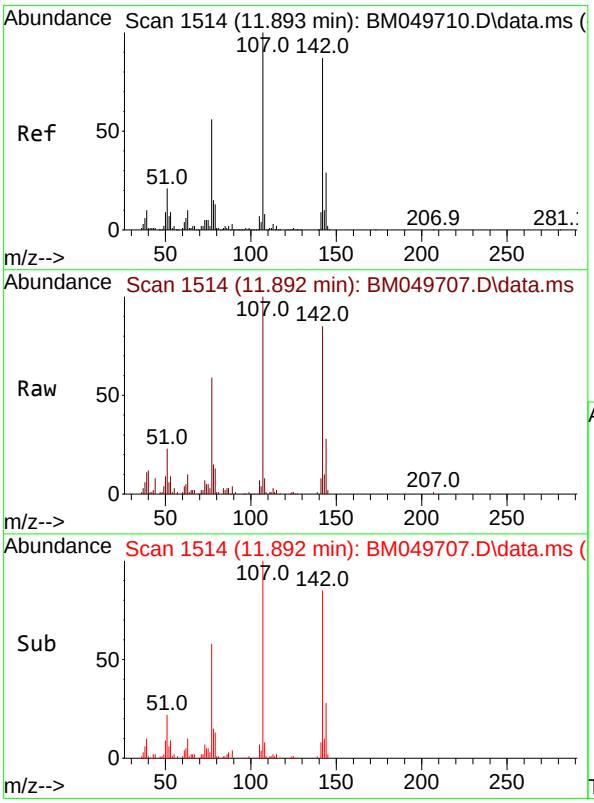
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

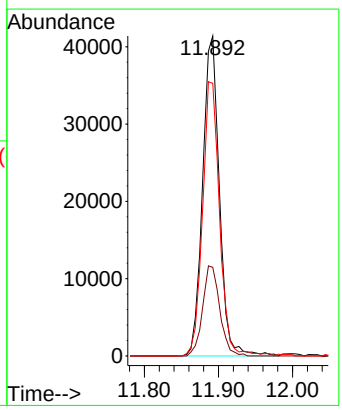


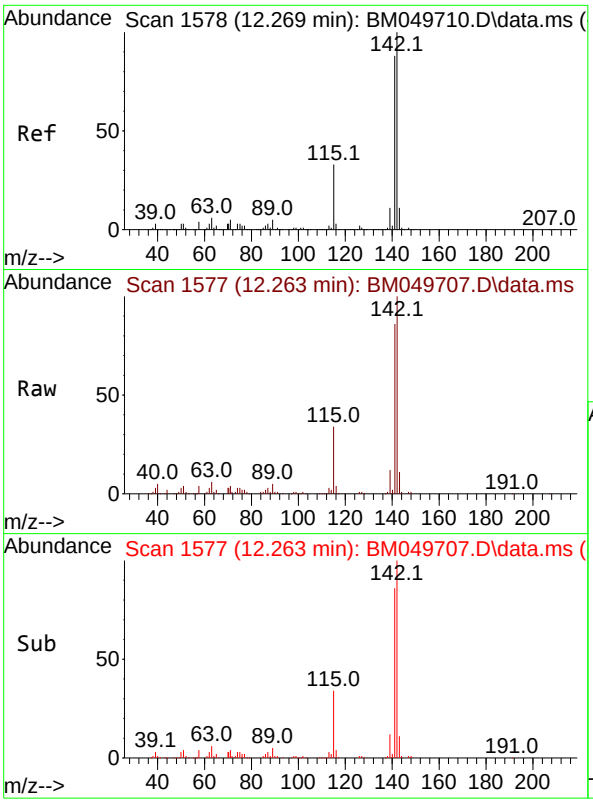


#36
4-Chloro-3-methylphenol
Concen: 4.181 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:107 Resp: 64969

Ion	Ratio	Lower	Upper
107	100		
144	27.7	23.0	34.6
142	85.2	69.8	104.8

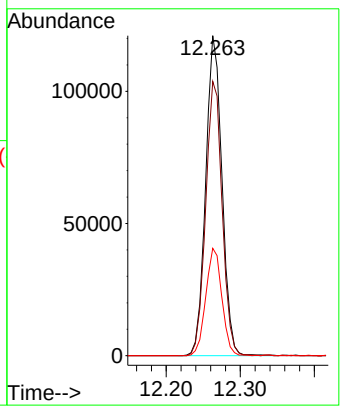




#37
2-Methylnaphthalene
Concen: 4.612 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:142 Resp: 18523

Ion	Ratio	Lower	Upper
142	100		
141	85.7	70.5	105.7
115	33.5	26.5	39.7



Instrument :
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ClientSampleId :
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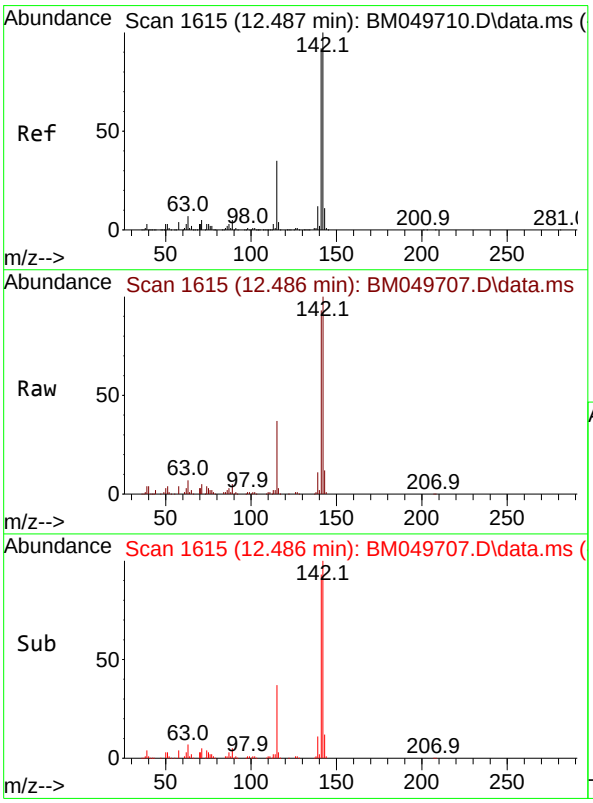
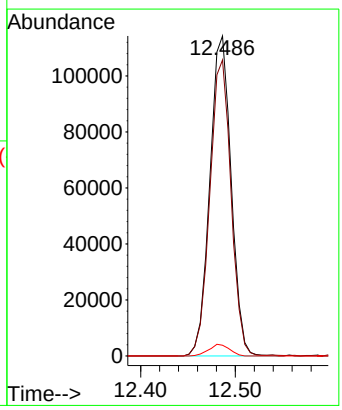
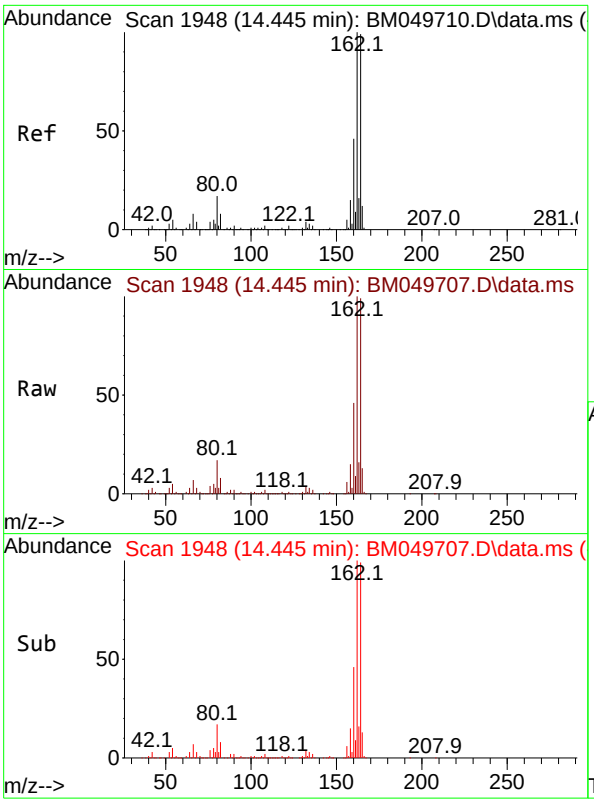


#38
1-Methylnaphthalene
Concen: 4.608 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:142 Resp: 178536

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.4	110.2
116	3.3	2.8	4.2

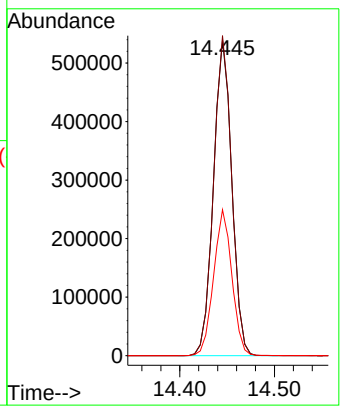




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:164 Resp: 72828

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.5	120.7
160	46.2	36.9	55.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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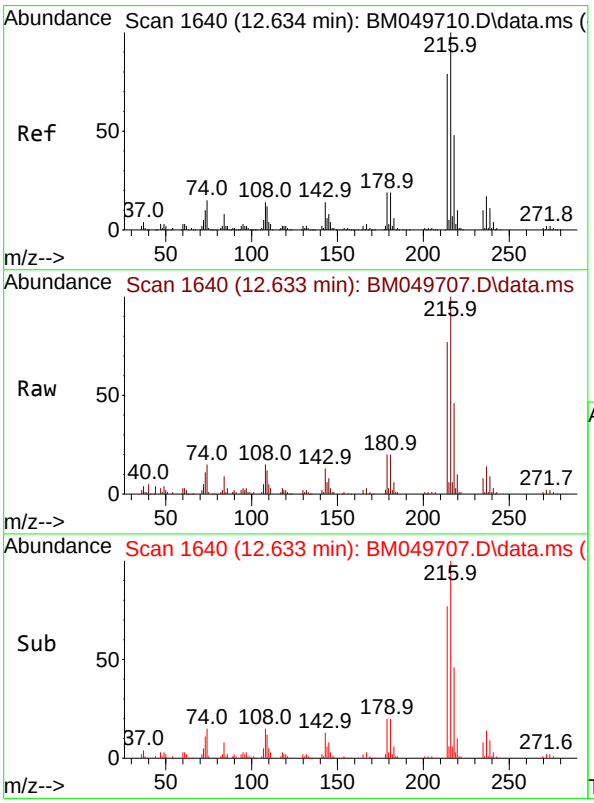
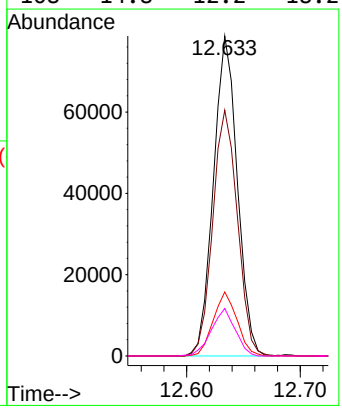
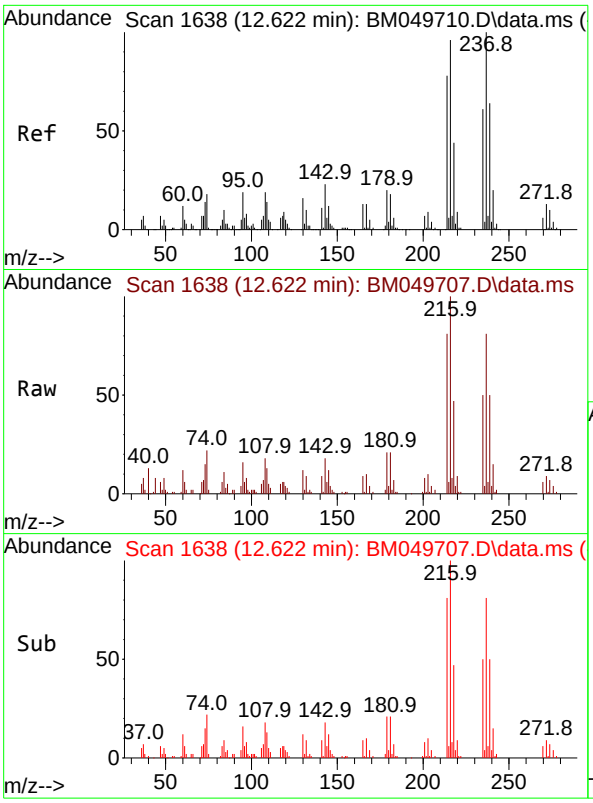


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.306 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:216 Resp: 115183

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.5	95.3
179	19.9	15.7	23.5
108	14.8	12.2	18.2

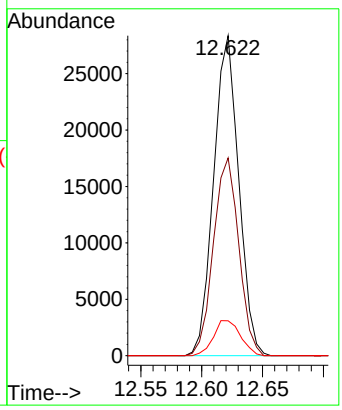




#41
Hexachlorocyclopentadiene
Concen: 4.103 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:237 Resp: 4066

Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.1	81.1
272	10.9	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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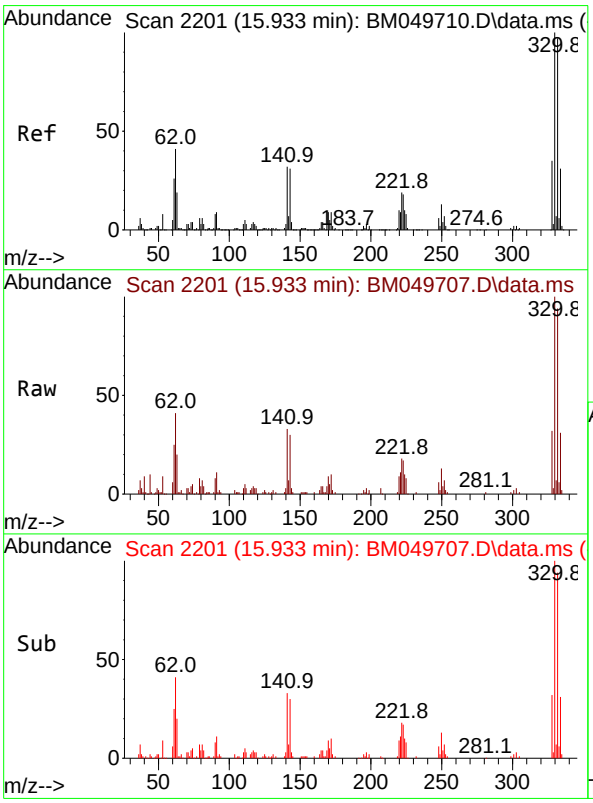
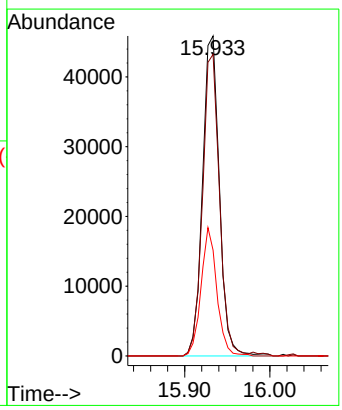
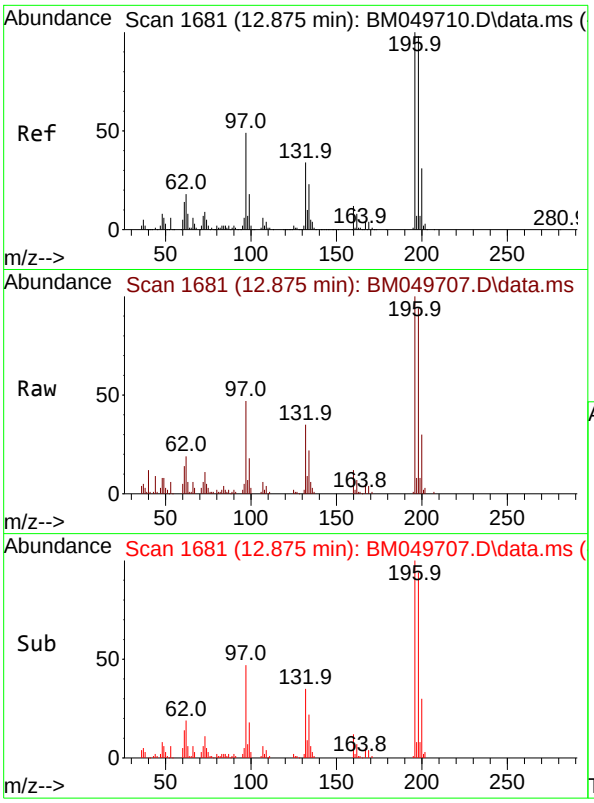


#42
2,4,6-Tribromophenol
Concen: 7.408 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:330 Resp: 63003

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.4
141	37.6	27.8	41.6

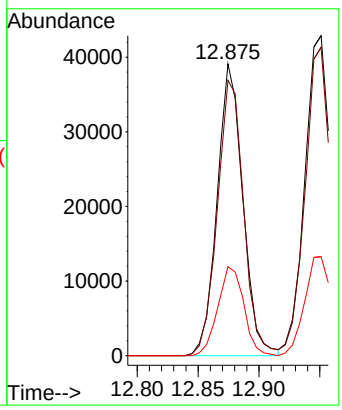




#43
2,4,6-Trichlorophenol
Concen: 3.828 ng
RT: 12.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:196 Resp: 5734

Ion	Ratio	Lower	Upper
196	100		
198	94.4	78.3	117.5
200	30.5	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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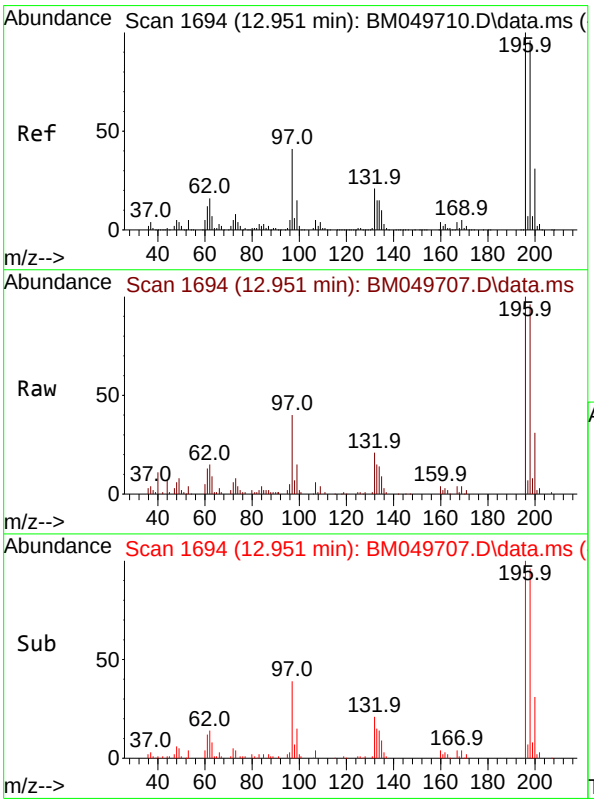
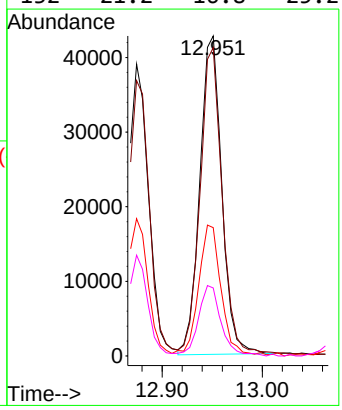
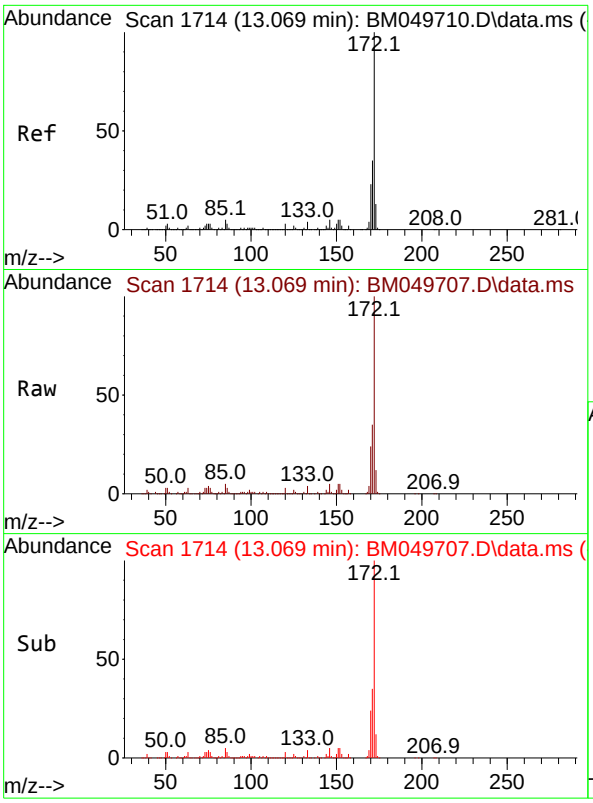


#44
2,4,5-Trichlorophenol
Concen: 3.988 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:196 Resp: 65204

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.7	115.1
97	40.1	32.9	49.3
132	21.2	16.8	25.2

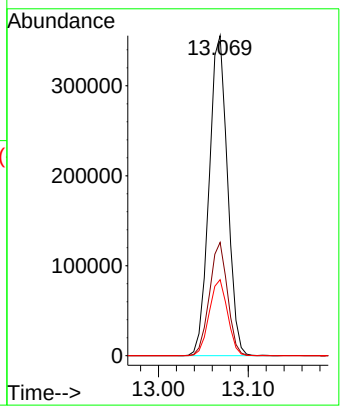




#45
2-Fluorobiphenyl
Concen: 8.693 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:172 Resp: 505509

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.9	41.9
170	23.7	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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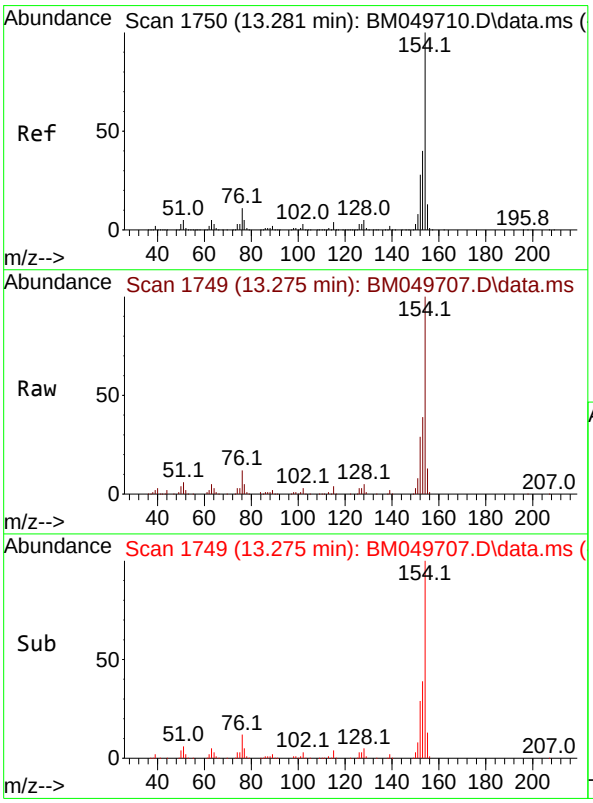
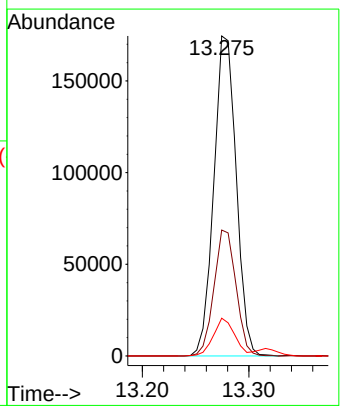
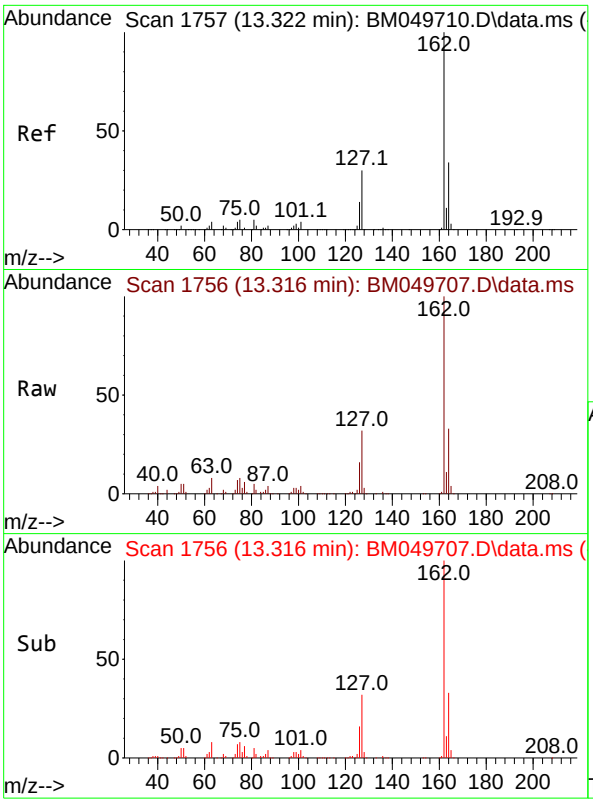


#46
1,1'-Biphenyl
Concen: 4.535 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:154 Resp: 254537

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.7	59.7
76	11.8	0.0	31.2

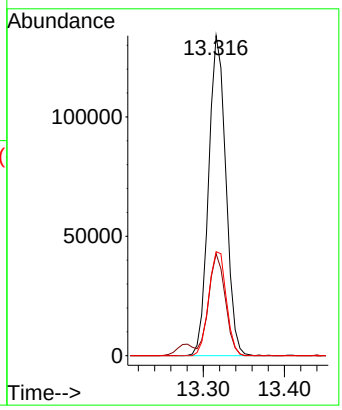




#47
2-Chloronaphthalene
Concen: 4.521 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:162 Resp: 19750

Ion	Ratio	Lower	Upper
162	100		
127	31.9	25.8	38.6
164	32.5	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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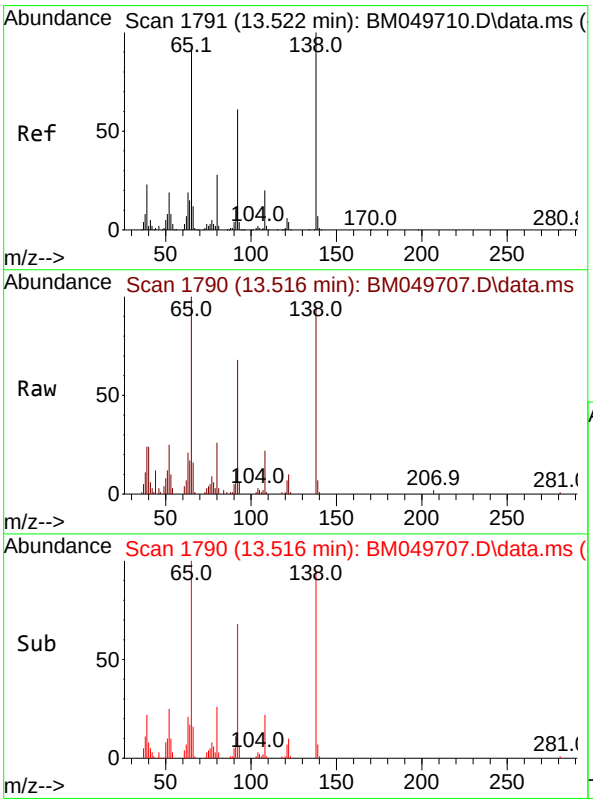
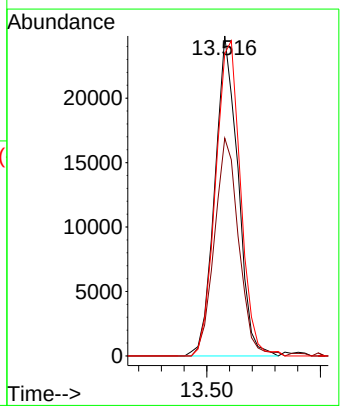
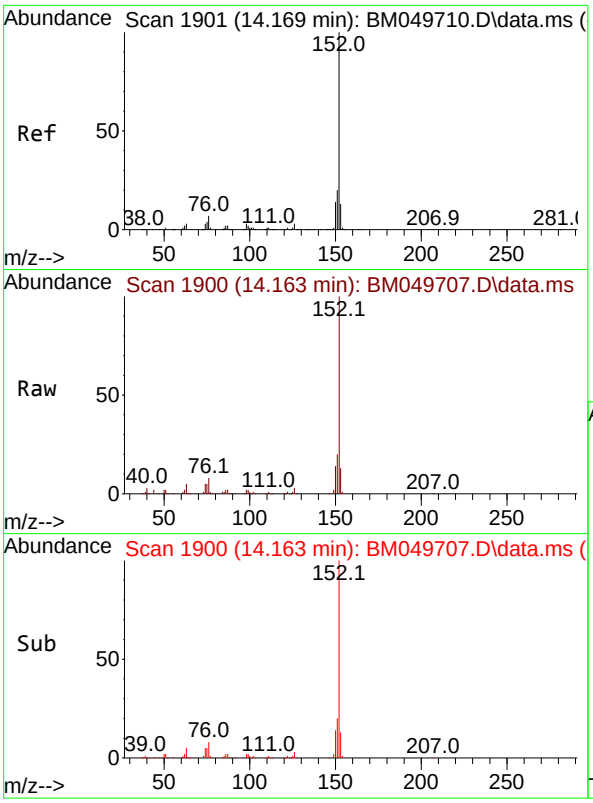


#48
2-Nitroaniline
Concen: 3.582 ng
RT: 13.516 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 65 Resp: 35130

Ion	Ratio	Lower	Upper
65	100		
92	68.1	53.4	80.2
138	94.5	87.6	131.4

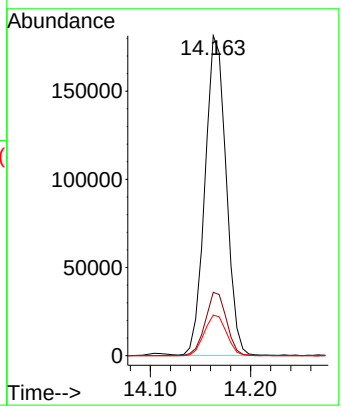




#49
Acenaphthylene
Concen: 4.337 ng
RT: 14.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:152 Resp: 26486

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.7	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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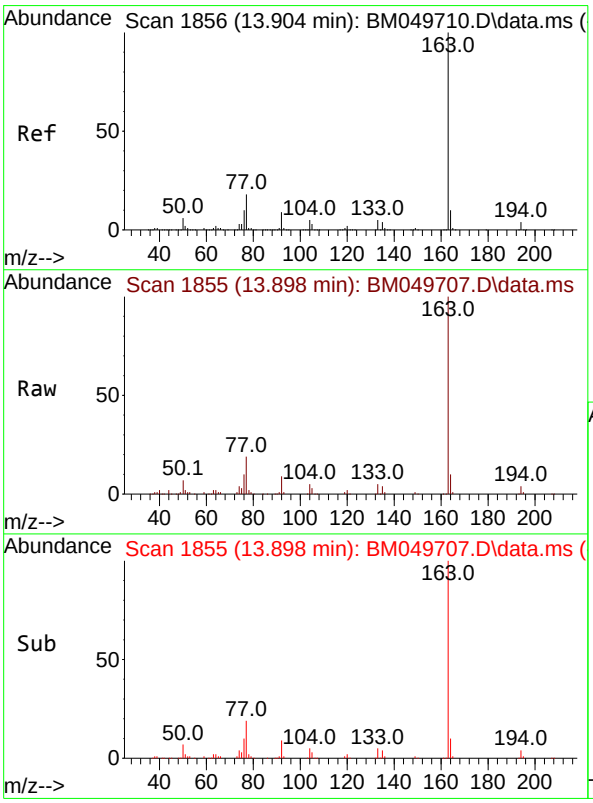
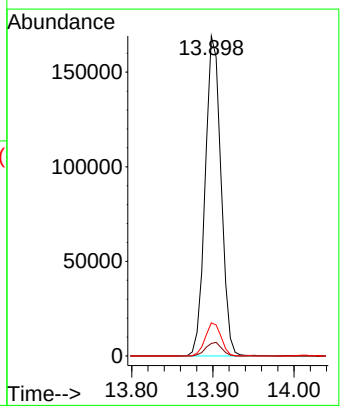
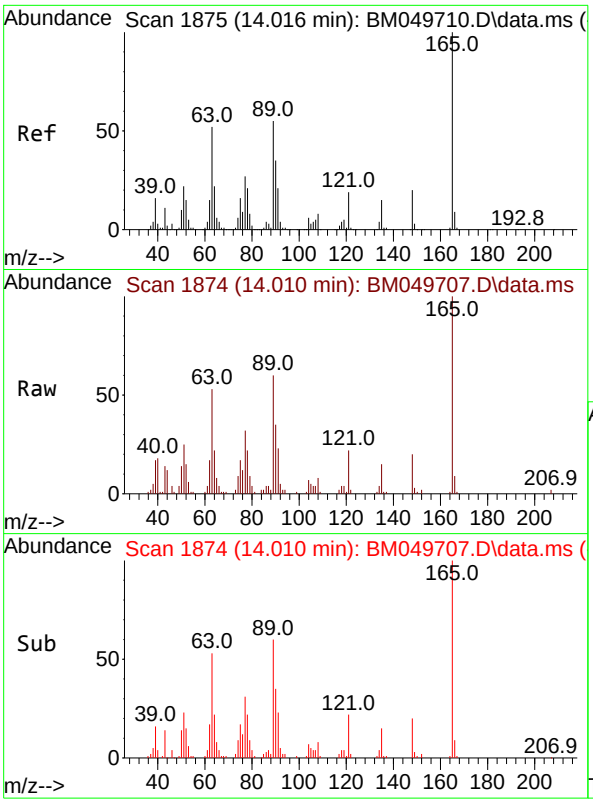


#50
Dimethylphthalate
Concen: 4.548 ng
RT: 13.898 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:163 Resp: 228046

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.4	8.2	12.2

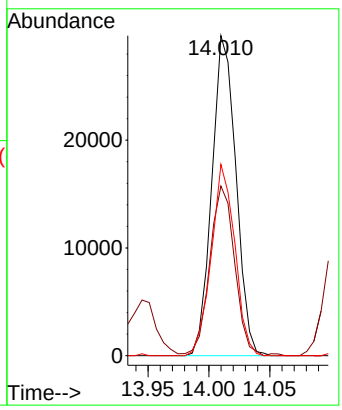




#51
2,6-Dinitrotoluene
Concen: 4.075 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:165 Resp: 4094

Ion	Ratio	Lower	Upper
165	100		
63	53.0	42.3	63.5
89	59.7	43.9	65.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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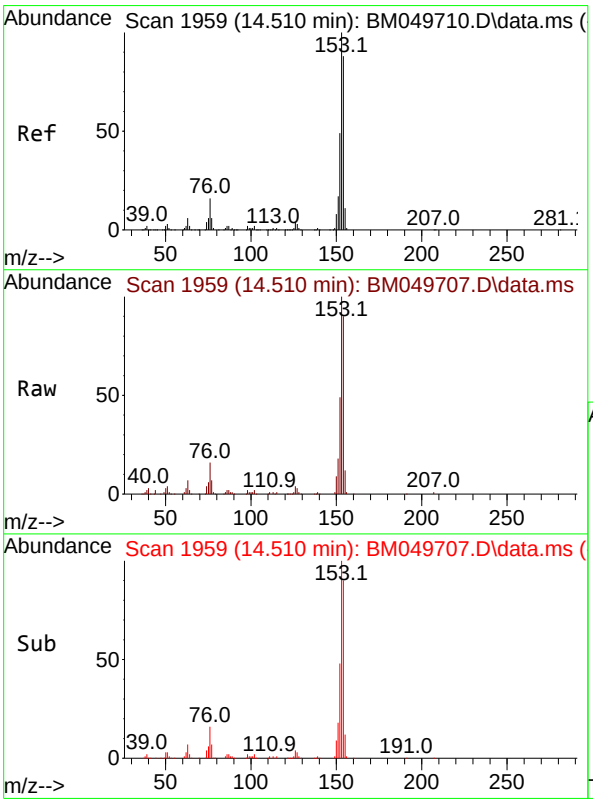
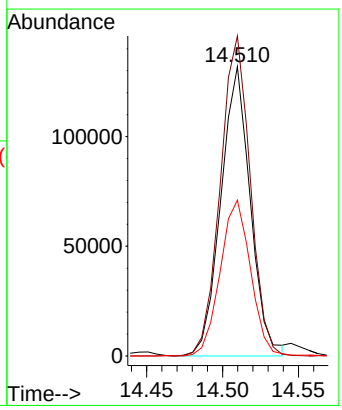
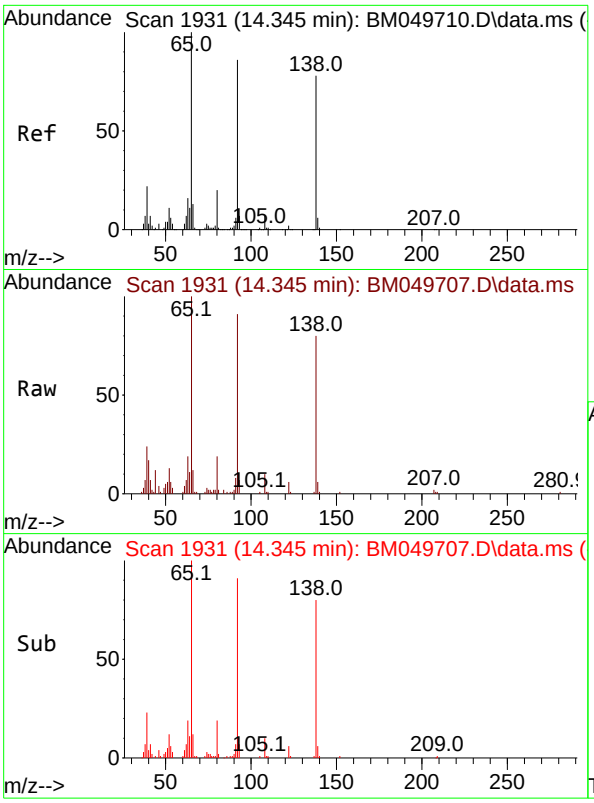


#52
Acenaphthene
Concen: 4.454 ng m
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:154 Resp: 178205

Ion	Ratio	Lower	Upper
154	100		
153	110.6	90.4	135.6
152	53.9	44.2	66.2





#53
3-Nitroaniline
Concen: 3.766 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:138 Resp: 3600

Ion	Ratio	Lower	Upper
138	100		
108	12.8	7.5	11.3#
92	113.8	88.0	132.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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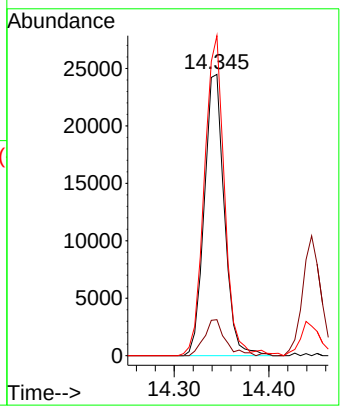
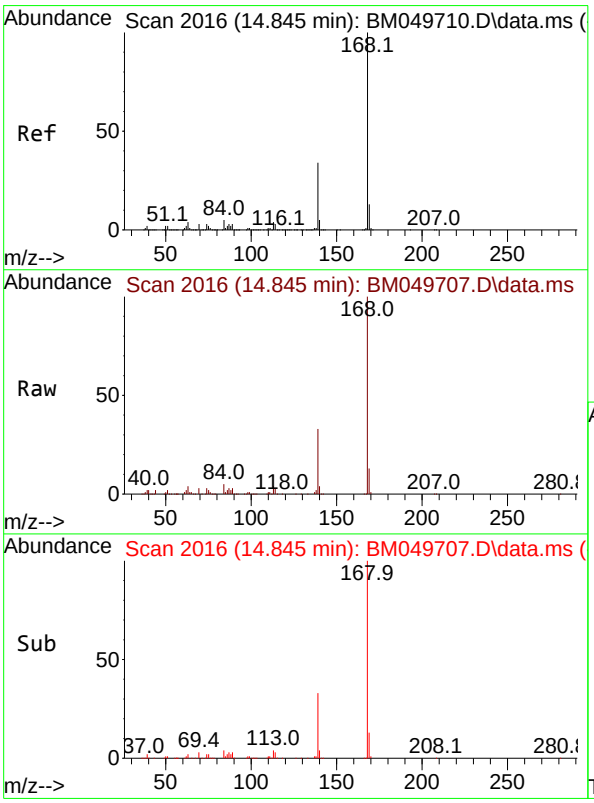
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

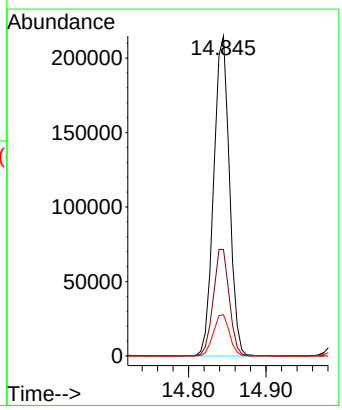


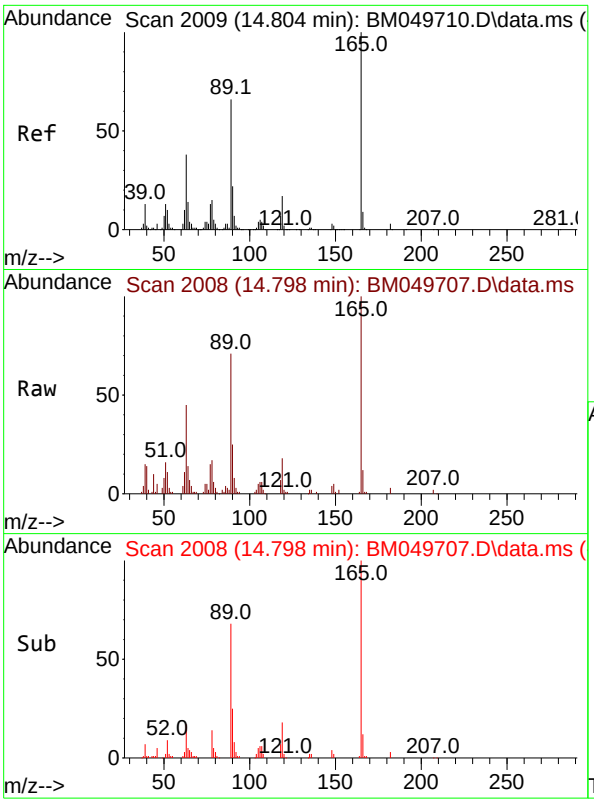


#55
Dibenzofuran
Concen: 4.539 ng
RT: 14.845 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:168 Resp: 302949

Ion	Ratio	Lower	Upper
168	100		
139	33.3	27.4	41.0
169	12.9	10.7	16.1

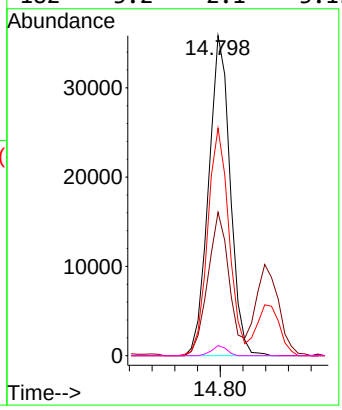




#57
2,4-Dinitrotoluene
Concen: 3.662 ng
RT: 14.798 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:165 Resp: 4734(

Ion	Ratio	Lower	Upper
165	100		
63	44.8	30.8	46.2
89	71.1	53.1	79.7
182	3.2	2.1	3.1#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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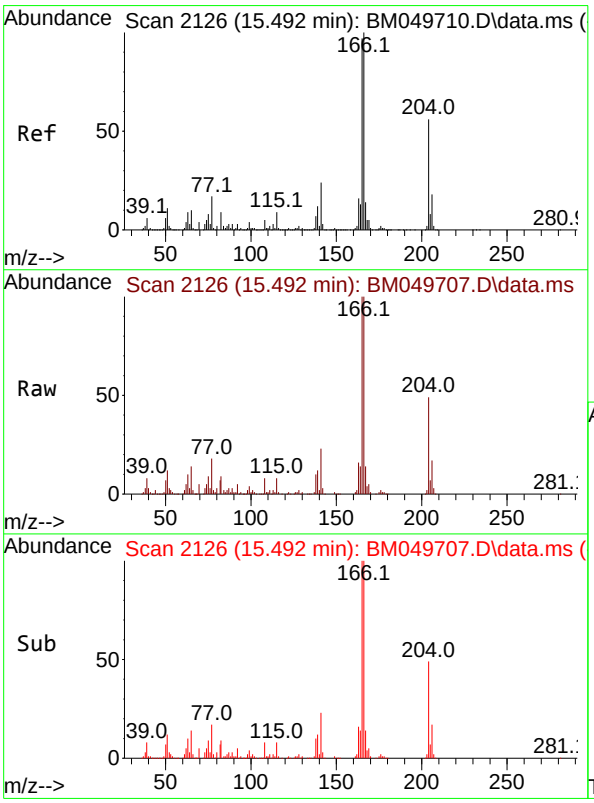
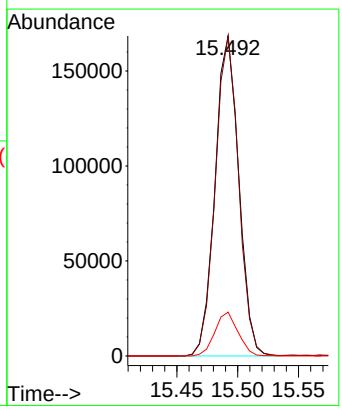
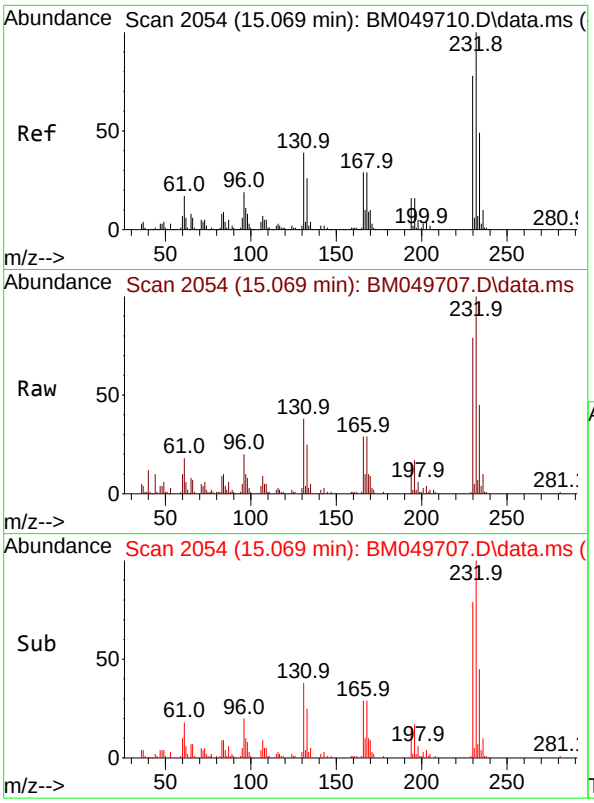


#58
Fluorene
Concen: 4.206 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:166 Resp: 228548

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.5	116.3
167	13.7	10.9	16.3

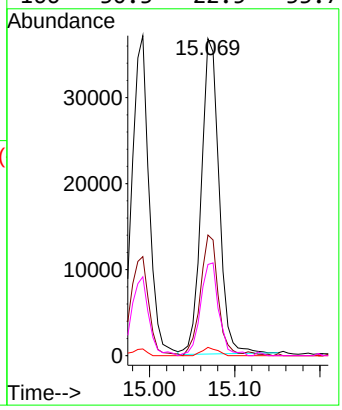




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.879 ng
RT: 15.069 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:232 Resp: 5308

Ion	Ratio	Lower	Upper
232	100		
131	38.3	30.0	45.0
130	2.3	1.6	2.4
166	30.3	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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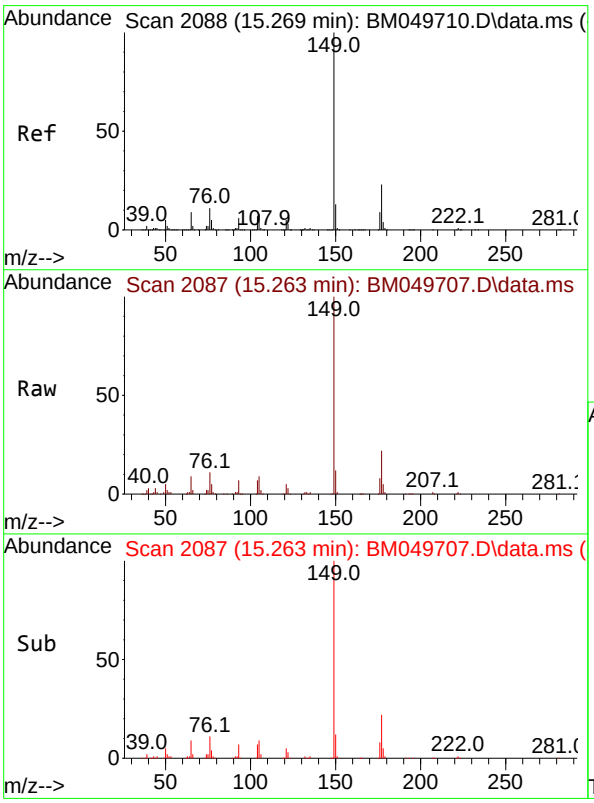
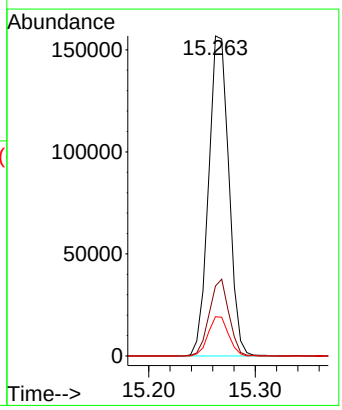
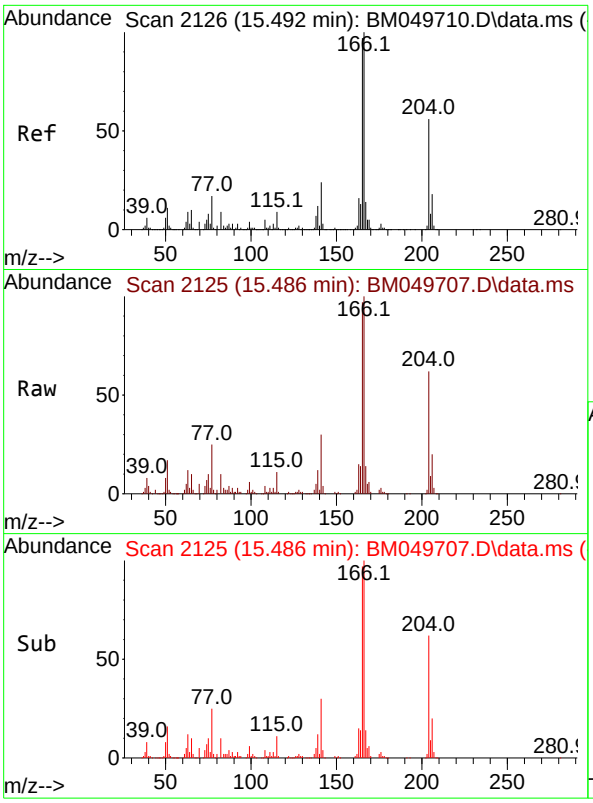


#60
Diethylphthalate
Concen: 4.377 ng
RT: 15.263 min Scan# 2087
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:149 Resp: 206708

Ion	Ratio	Lower	Upper
149	100		
177	21.8	18.2	27.2
150	12.3	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 4.087 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:204 Resp: 12128

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.2	37.8
141	48.4	34.5	51.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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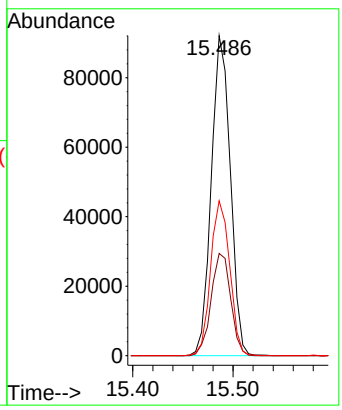
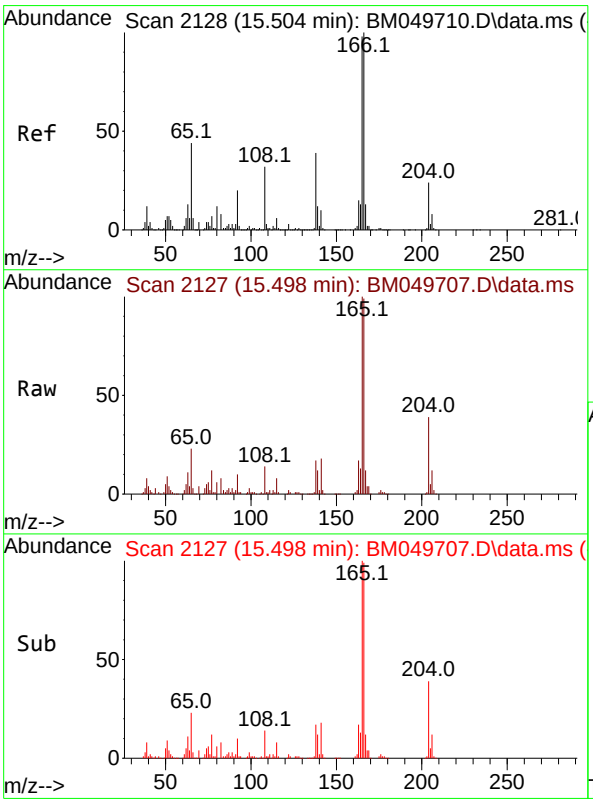
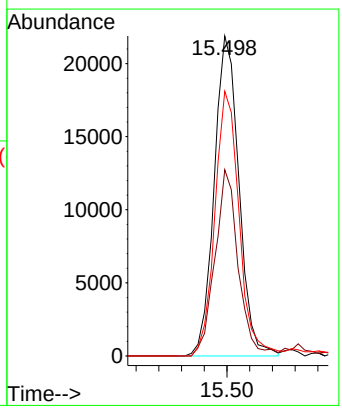


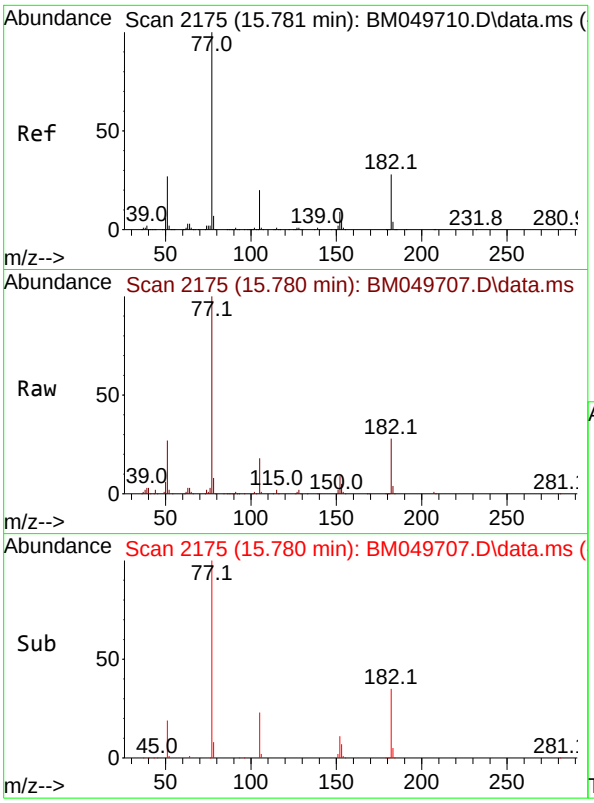


#62
4-Nitroaniline
Concen: 6.438 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:138 Resp: 33080

Ion	Ratio	Lower	Upper
138	100		
92	58.2	29.8	69.8
108	82.7	61.3	101.3

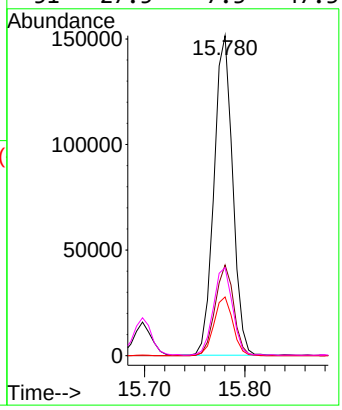




#63
Azobenzene
Concen: 4.328 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 77 Resp: 19524

Ion	Ratio	Lower	Upper
77	100		
182	28.3	8.0	48.0
105	18.3	0.0	40.0
51	27.5	7.3	47.3



Instrument :
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ClientSampleId :
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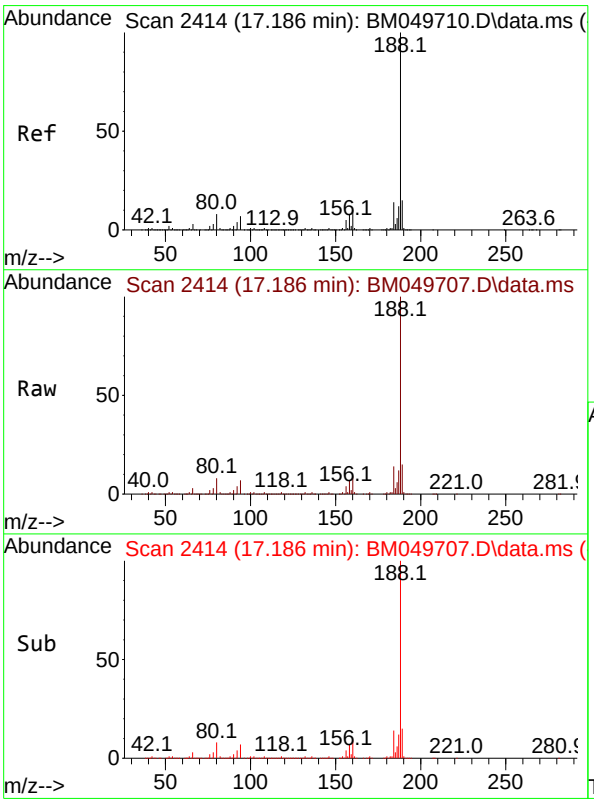
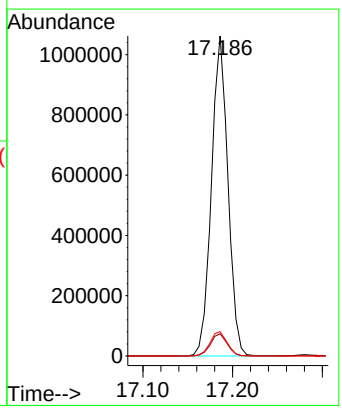
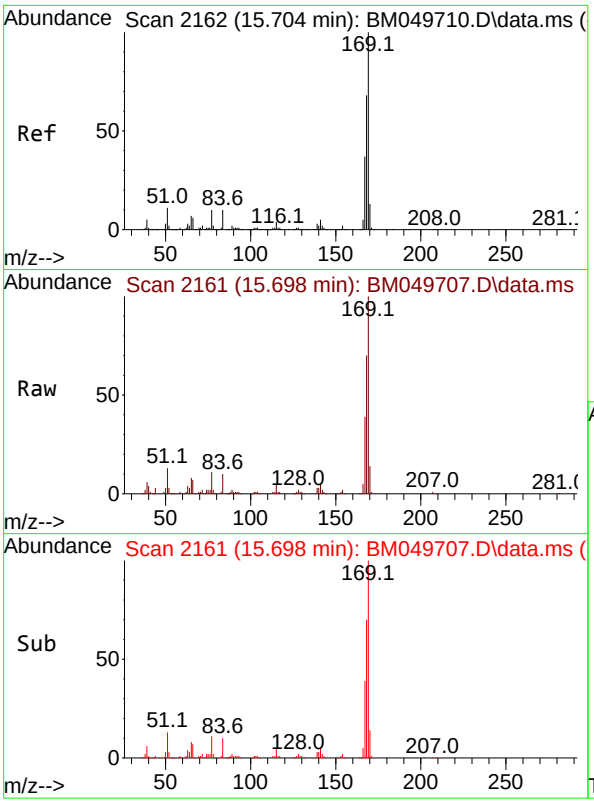


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:188 Resp: 1354361

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	7.6	6.3	9.5

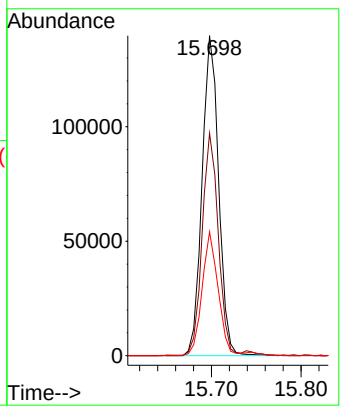




#66
n-Nitrosodiphenylamine
Concen: 4.370 ng
RT: 15.698 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:169 Resp: 17932

Ion	Ratio	Lower	Upper
169	100		
168	69.5	54.8	82.2
167	38.7	29.9	44.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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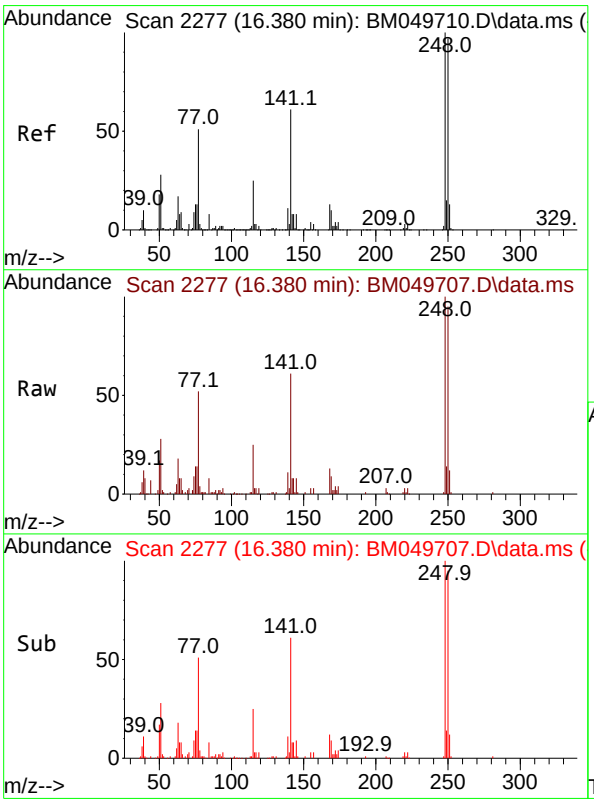
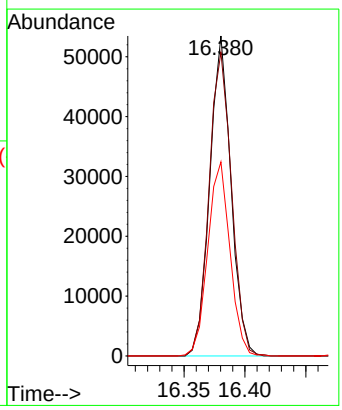
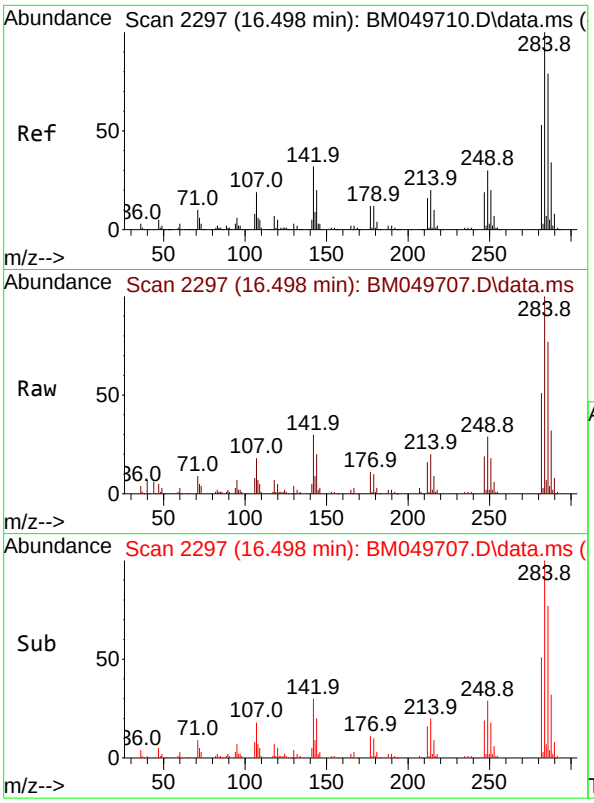


#67
4-Bromophenyl-phenylether
Concen: 4.158 ng
RT: 16.380 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:248 Resp: 65014

Ion	Ratio	Lower	Upper
248	100		
250	95.0	77.9	116.9
141	60.7	48.6	73.0

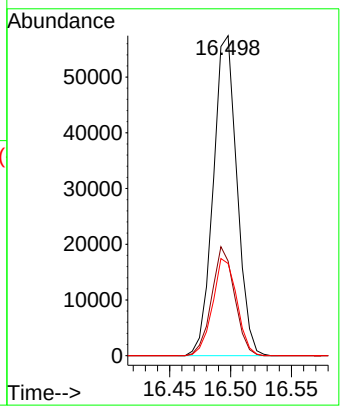




#68
Hexachlorobenzene
Concen: 4.417 ng
RT: 16.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:284 Resp: 7767

Ion	Ratio	Lower	Upper
284	100		
142	29.6	25.5	38.3
249	28.8	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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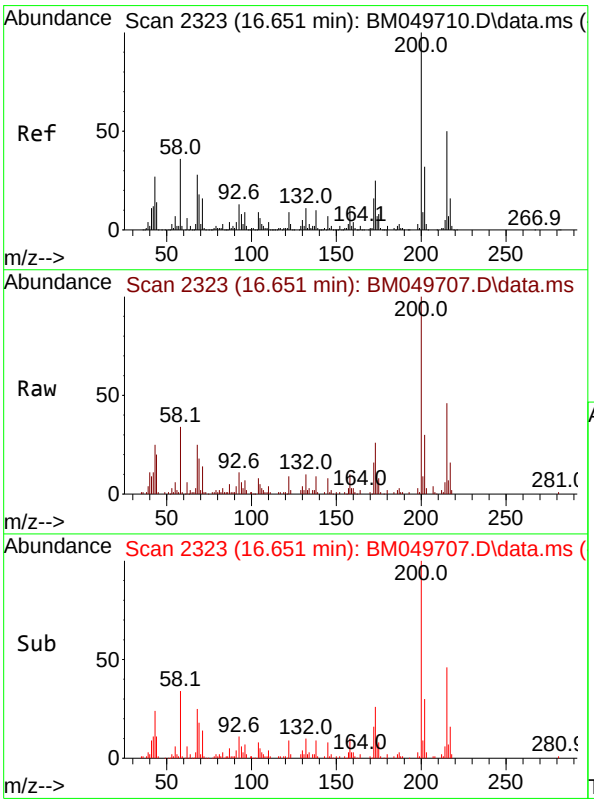
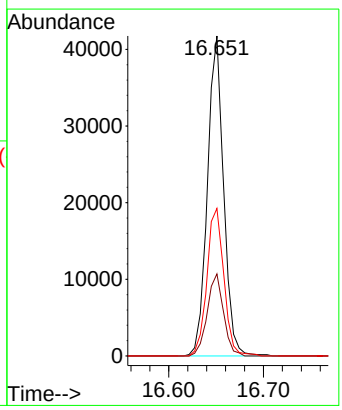
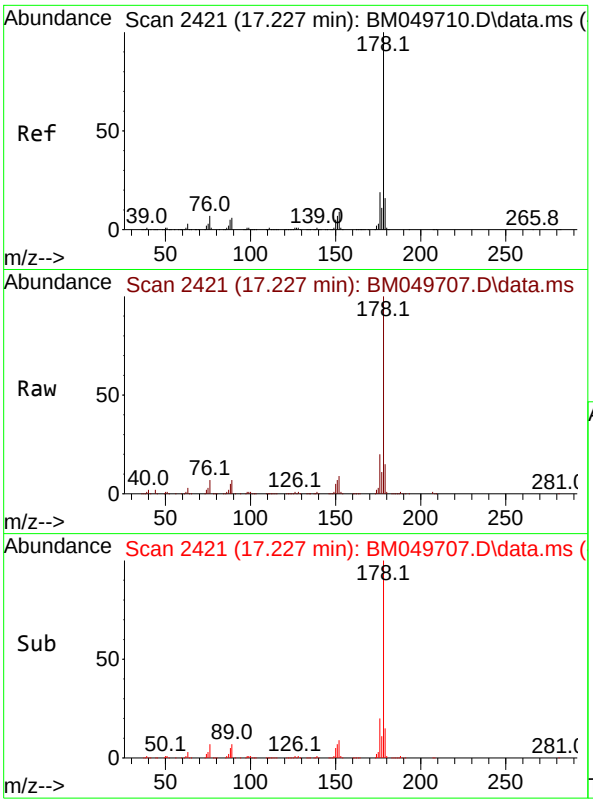


#69
Atrazine
Concen: 5.480 ng
RT: 16.651 min Scan# 2323
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:200 Resp: 49560

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.4	45.4
215	46.1	29.8	69.8





#71
Phenanthrene
Concen: 4.358 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:178 Resp: 32775

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	15.1	12.5	18.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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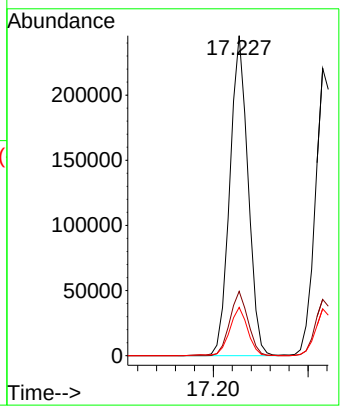
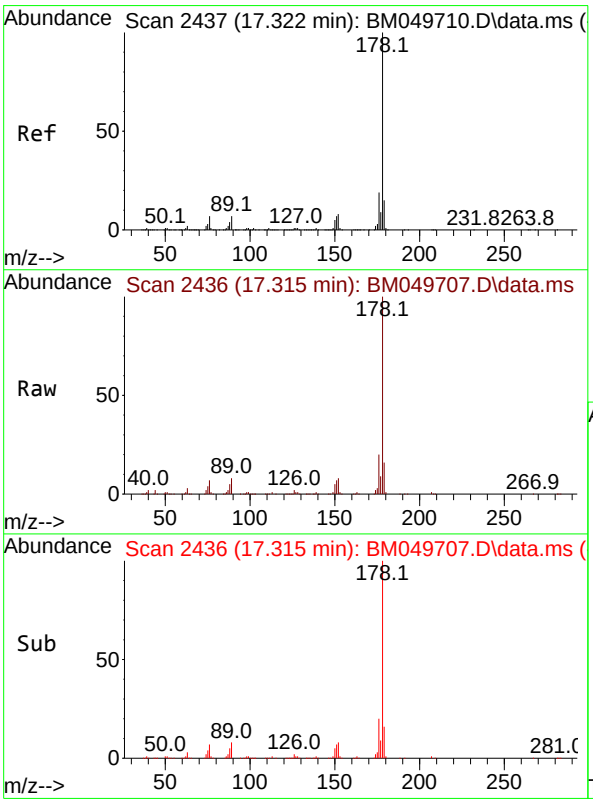
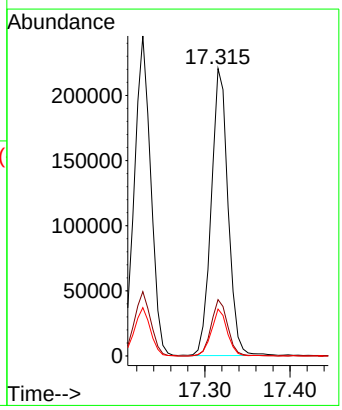


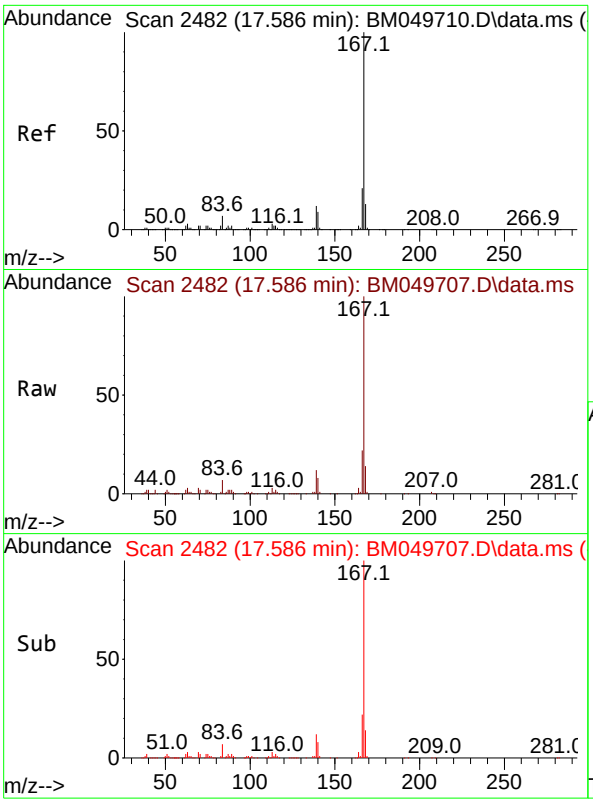


#72
Anthracene
Concen: 4.147 ng
RT: 17.315 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:178 Resp: 302012

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	16.3	12.4	18.6

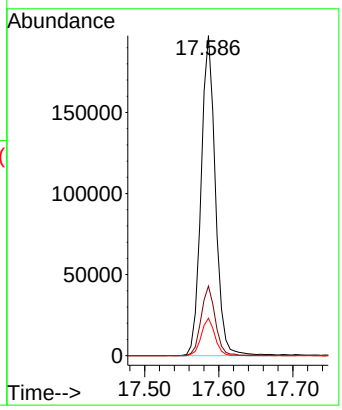




#73
Carbazole
Concen: 4.028 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:167 Resp: 26566

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	11.7	9.4	14.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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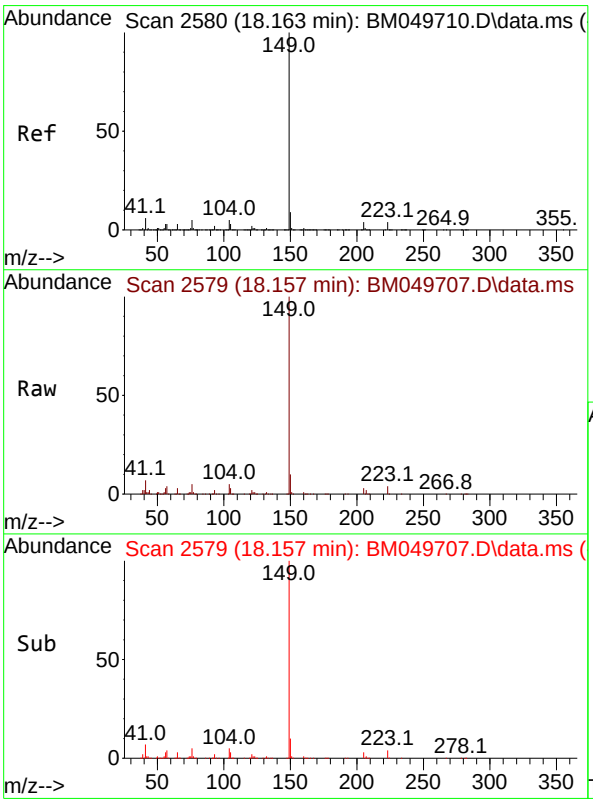
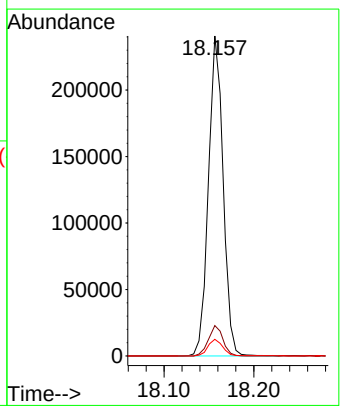
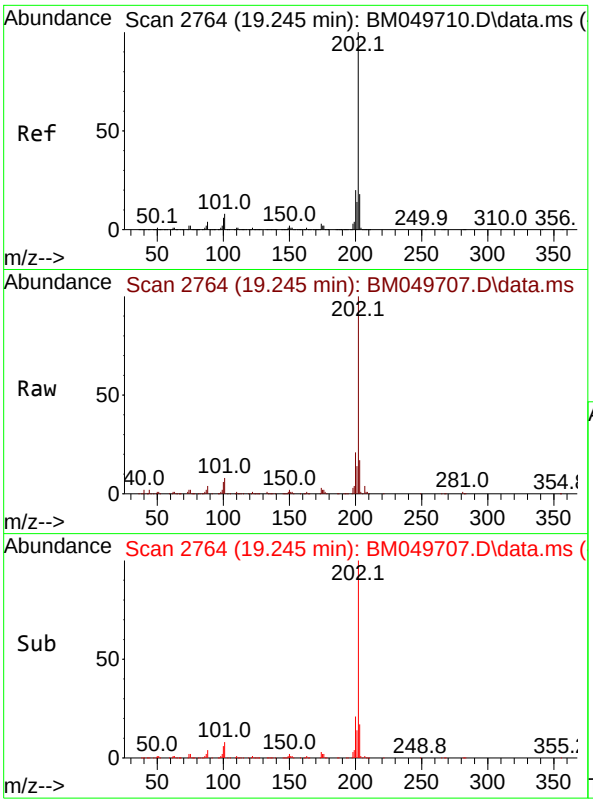


#74
Di-n-butylphthalate
Concen: 3.785 ng
RT: 18.157 min Scan# 2579
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:149 Resp: 273661

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	5.2	3.9	5.9

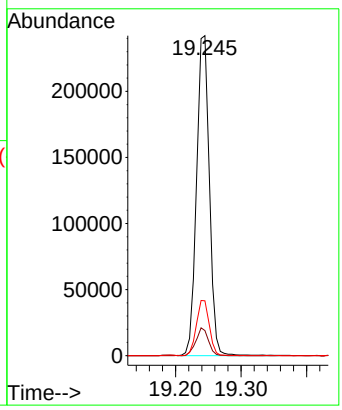




#75
Fluoranthene
Concen: 3.810 ng
RT: 19.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:202 Resp: 32985

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.8
203	17.1	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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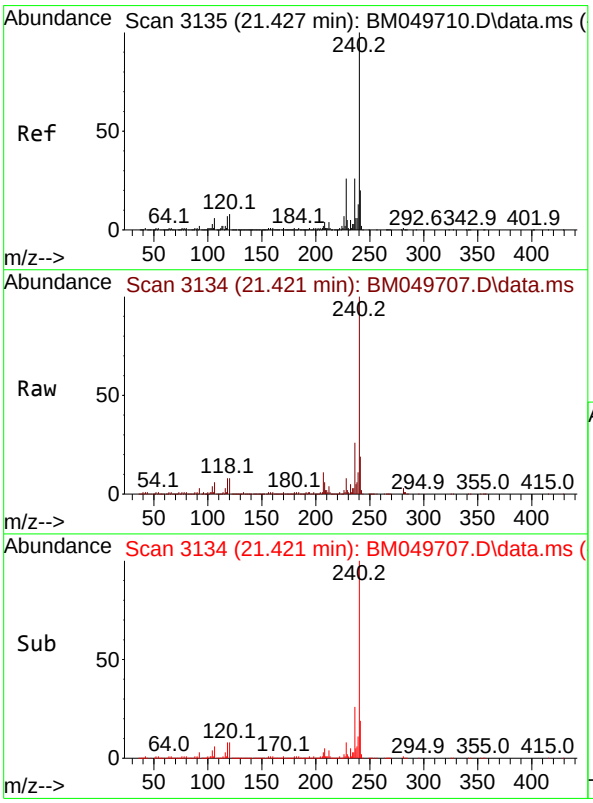
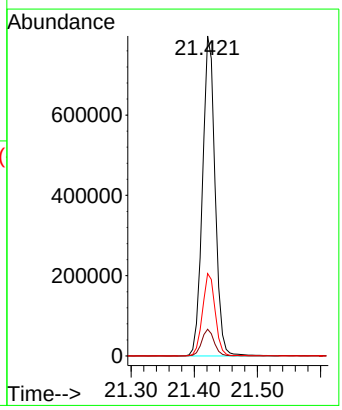
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

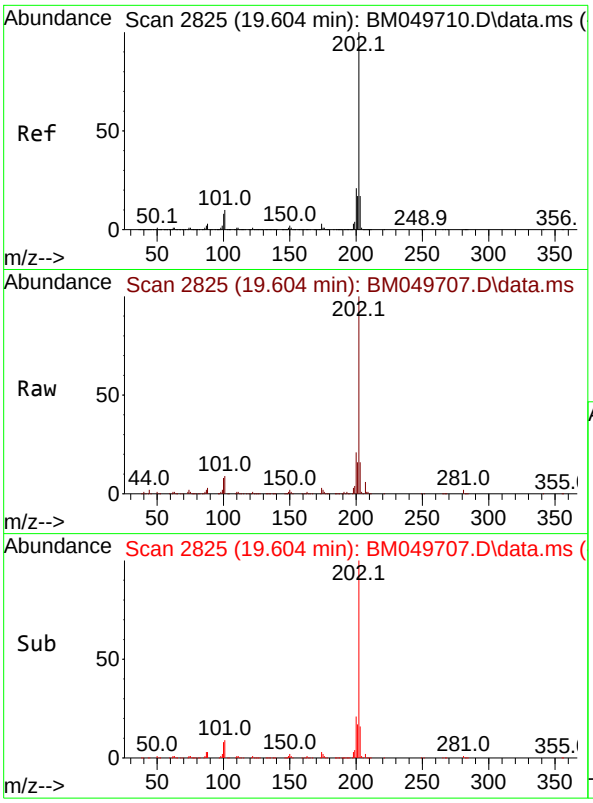


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:240 Resp: 1106026

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.8	20.7	31.1

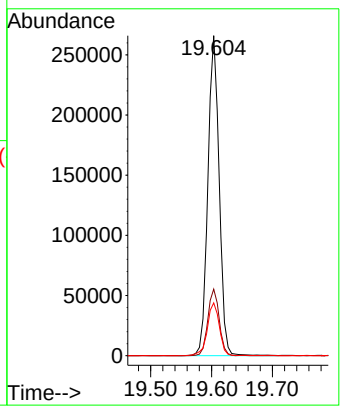




#78
Pyrene
Concen: 4.438 ng
RT: 19.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:202 Resp: 34296

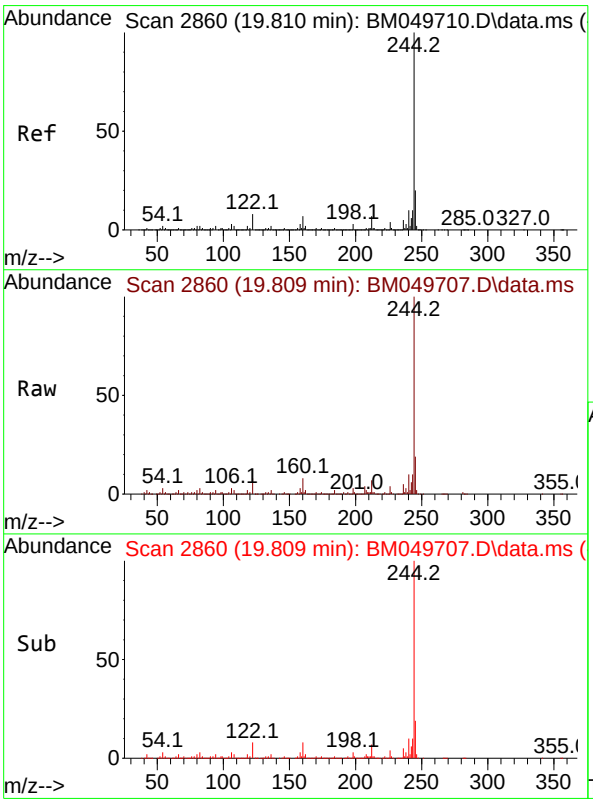
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	16.5	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

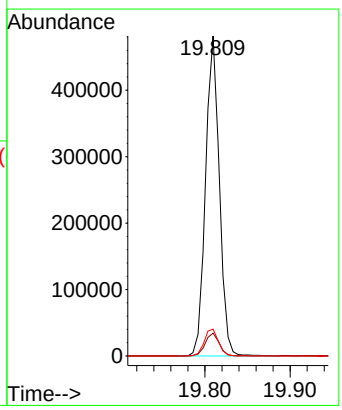
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

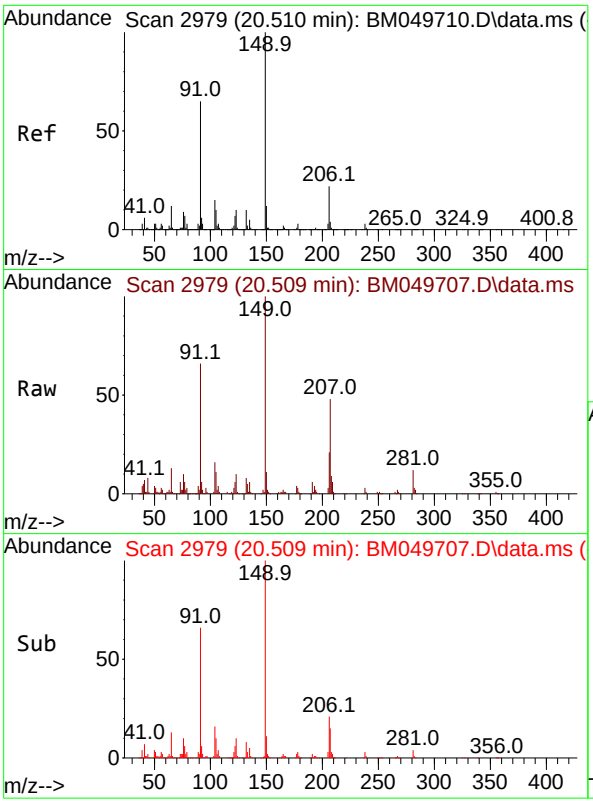


#79
Terphenyl-d14
Concen: 8.243 ng
RT: 19.809 min Scan# 2860
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:244 Resp: 541048

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	8.4	6.0	9.0

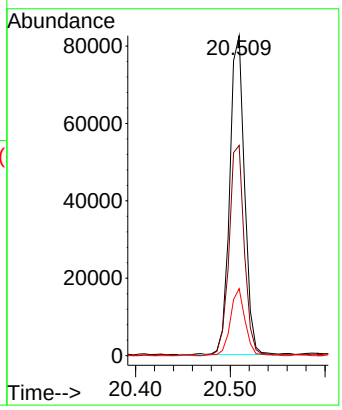




#80
Butylbenzylphthalate
Concen: 3.726 ng
RT: 20.509 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:149 Resp: 8935

Ion	Ratio	Lower	Upper
149	100		
91	65.7	52.2	78.4
206	20.9	17.6	26.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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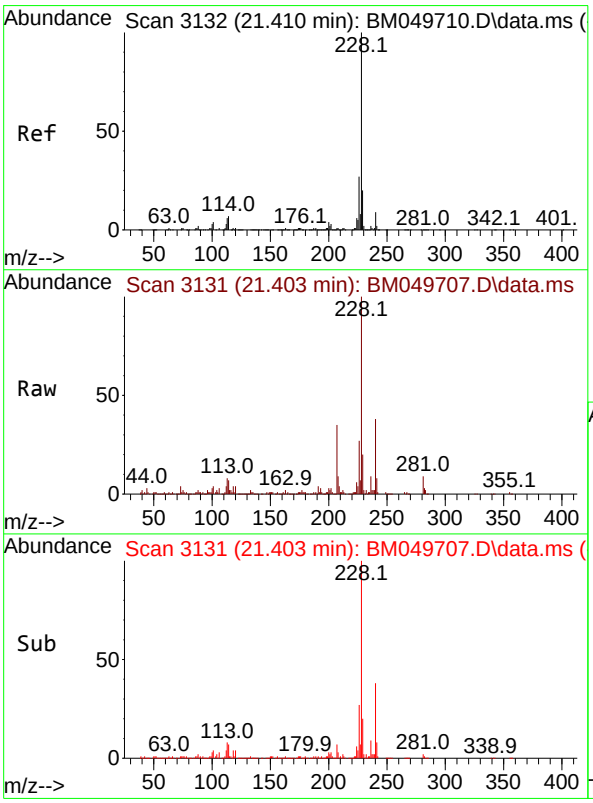
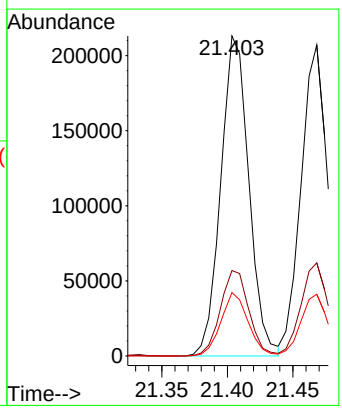
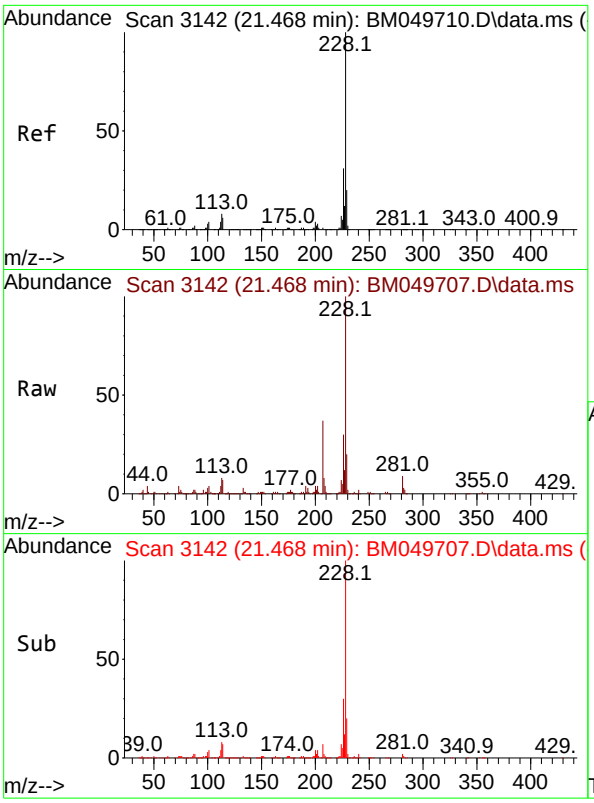


#81
Benzo(a)anthracene
Concen: 4.302 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:228 Resp: 317845

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.0	33.0
229	19.8	15.8	23.8





#83
Chrysene
Concen: 4.231 ng
RT: 21.468 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:228 Resp: 29629

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	19.8	15.8	23.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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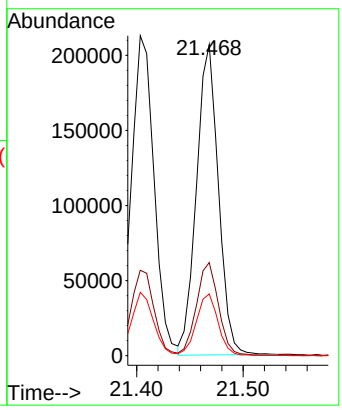
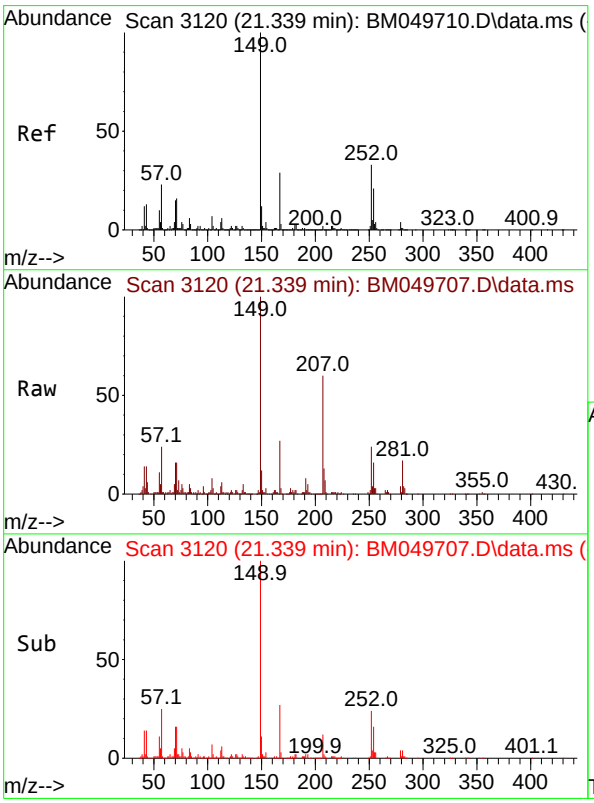
Supervised By :Jagrut Upadhyay 03/14/2025

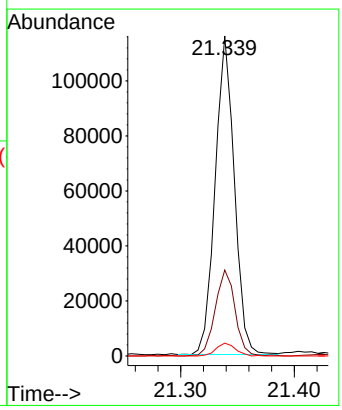


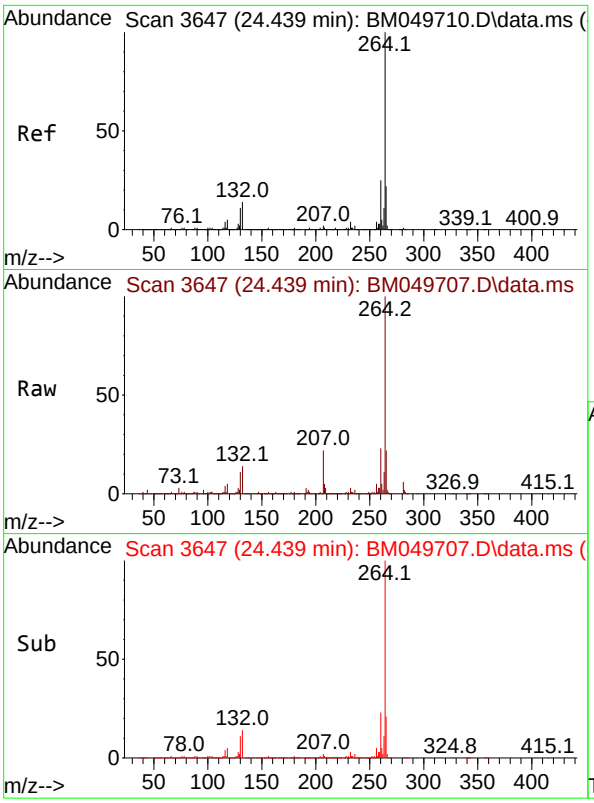


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.631 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:149 Resp: 135712

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.9	34.3
279	4.0	3.5	5.3

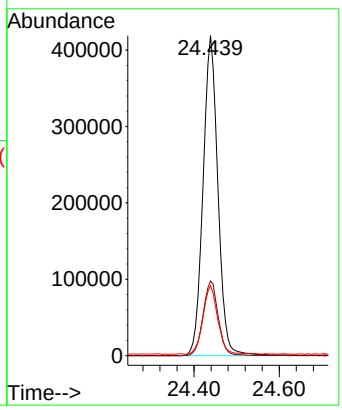




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.439 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:264 Resp: 101221

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	21.9	18.2	27.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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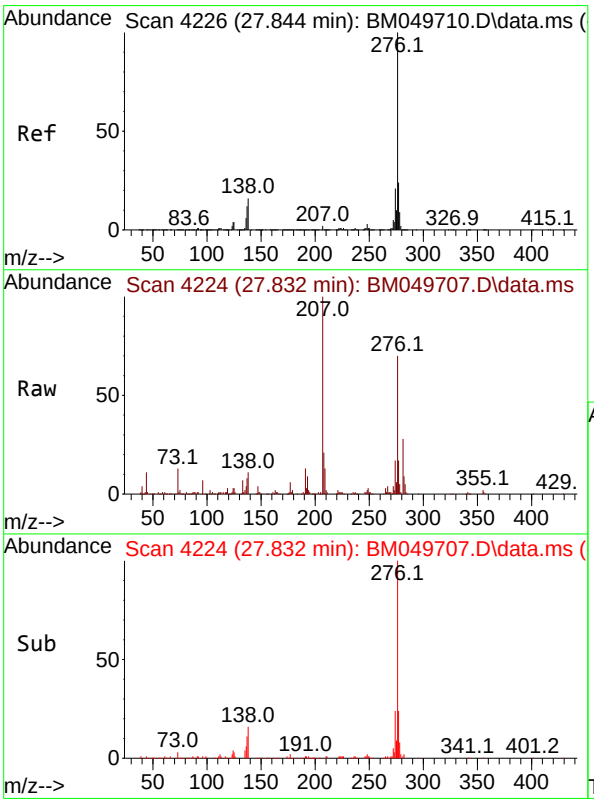
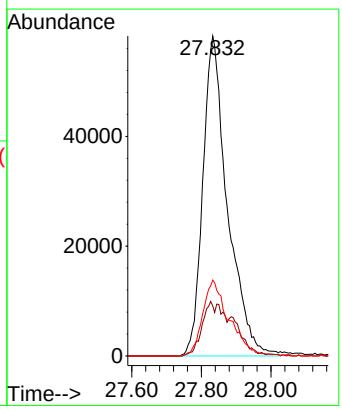
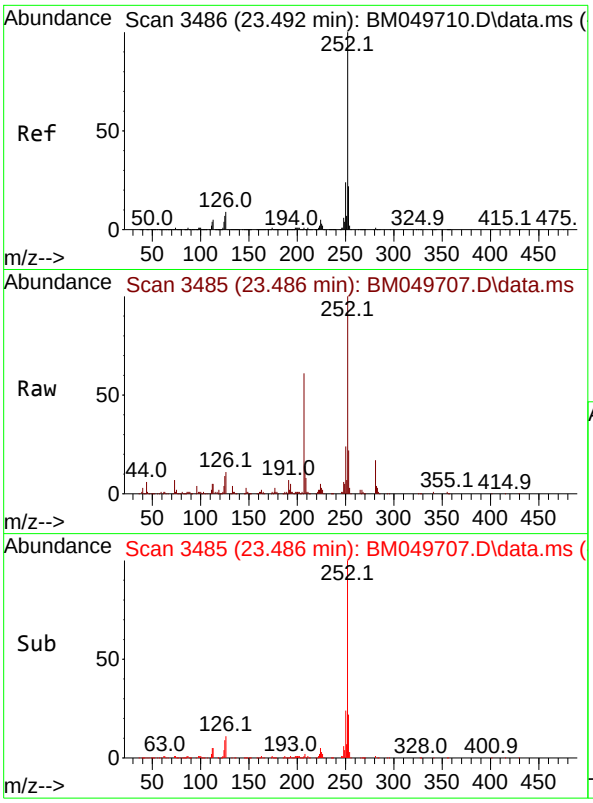


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.942 ng
RT: 27.832 min Scan# 4224
Delta R.T. -0.012 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:276 Resp: 287160

Ion	Ratio	Lower	Upper
276	100		
138	8.7	16.3	24.5#
277	25.3	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 4.038 ng
RT: 23.486 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:252 Resp: 27528

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.9	5.9	8.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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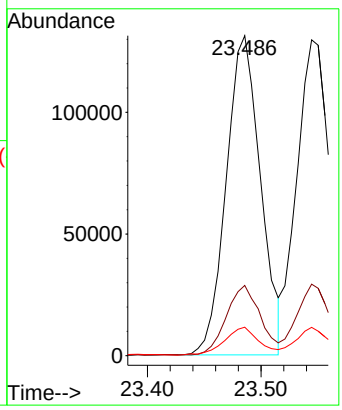
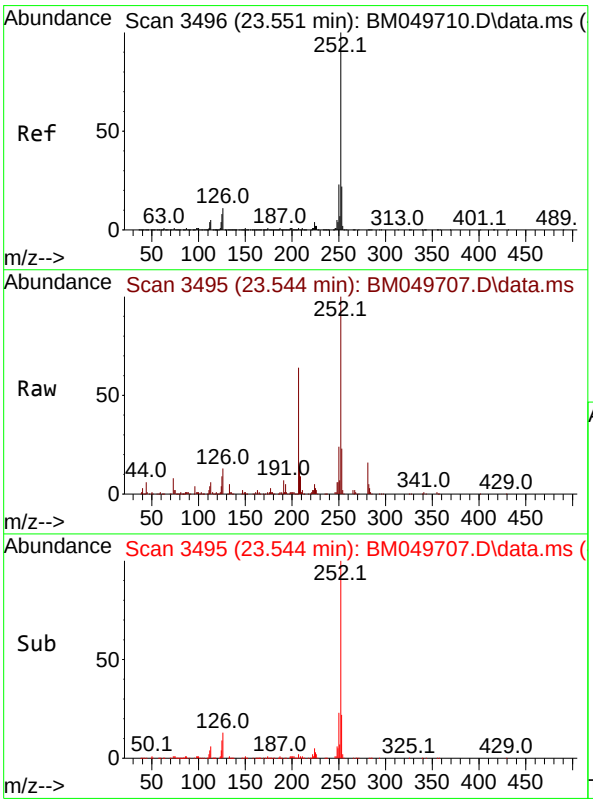
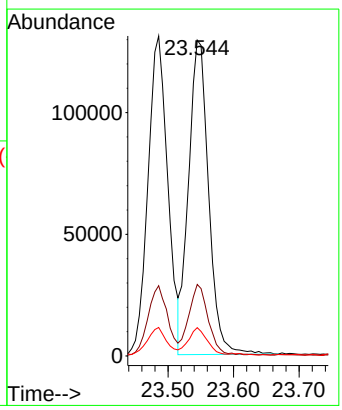


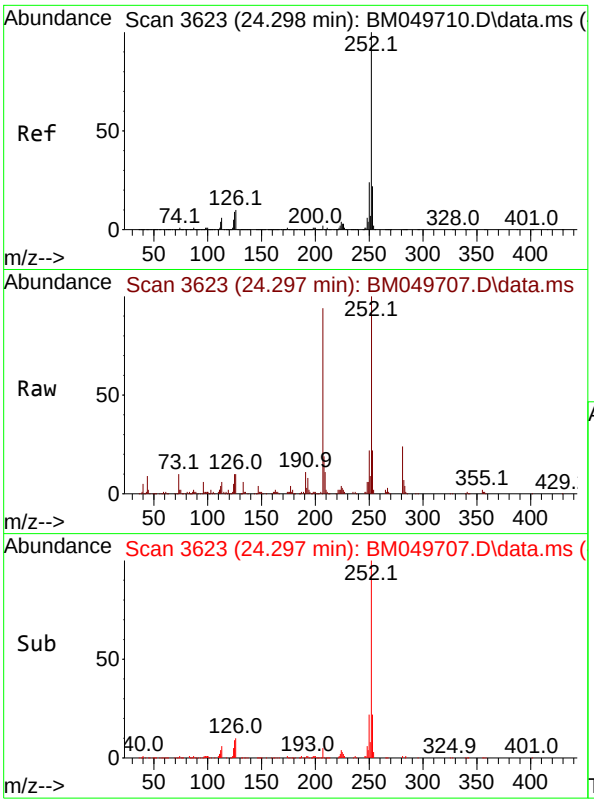


#89
Benzo(k)fluoranthene
Concen: 4.097 ng
RT: 23.544 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:252 Resp: 274827

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.0	6.2	9.2

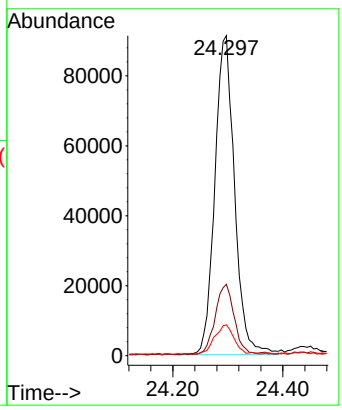




#90
Benzo(a)pyrene
Concen: 3.972 ng
RT: 24.297 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:252 Resp: 22743

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.6	7.0	10.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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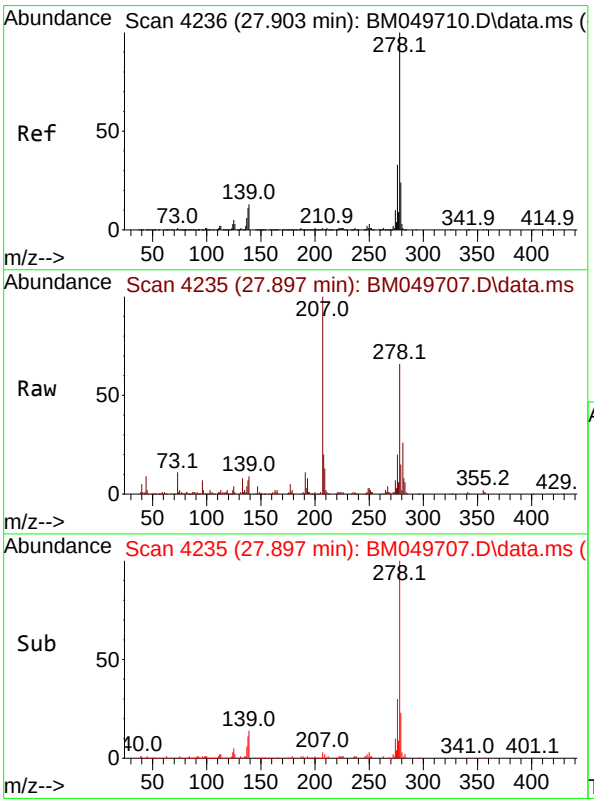
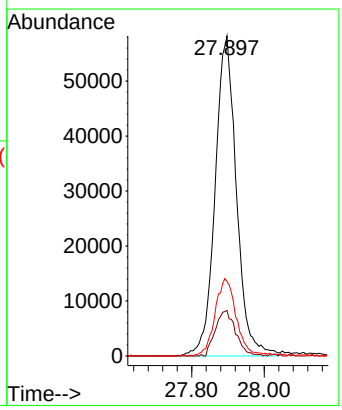
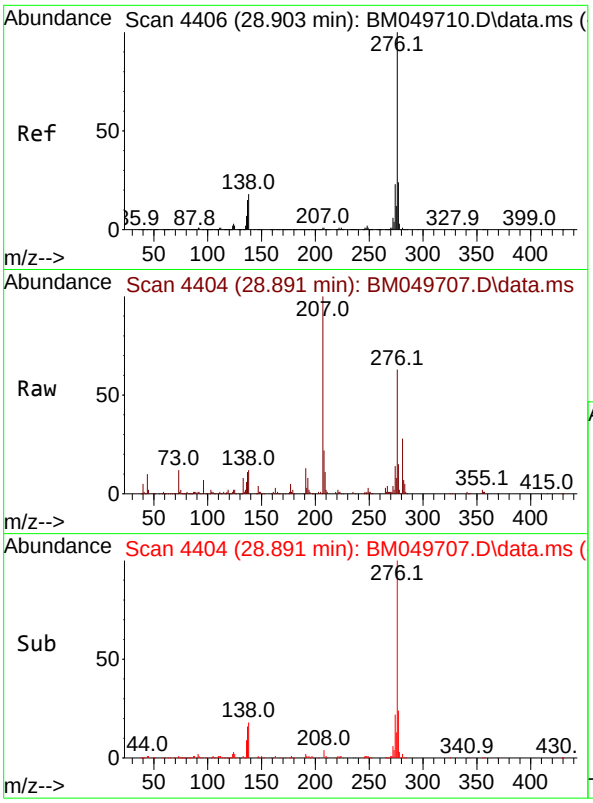


#91
Dibenzo(a,h)anthracene
Concen: 3.919 ng
RT: 27.897 min Scan# 4235
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:278 Resp: 237863

Ion	Ratio	Lower	Upper
278	100		
139	14.2	10.1	15.1
279	23.3	19.1	28.7

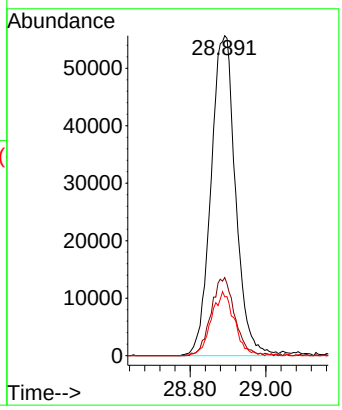




#92
Benzo(g,h,i)perylene
Concen: 4.095 ng
RT: 28.891 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:276 Resp: 25039

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	18.4	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049708.D
Acq On : 13 Mar 2025 10:21
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 14:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	293192	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1019320	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	633855	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1188953	20.000	ng		0.00
76) Chrysene-d12	21.421	240	1054297	20.000	ng		0.00
86) Perylene-d12	24.438	264	996325	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	320027	18.418	ng		0.00
7) Phenol-d6	6.975	99	405535	18.597	ng		0.00
23) Nitrobenzene-d5	8.957	82	367976	18.534	ng		0.00
42) 2,4,6-Tribromophenol	15.927	330	122197	16.510	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	899550	17.773	ng		0.00
79) Terphenyl-d14	19.809	244	1076743	17.210	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.281	88	71151	9.459	ng		99
3) Pyridine	3.687	79	187922	9.770	ng		97
4) n-Nitrosodimethylamine	3.593	42	83810	9.860	ng	#	97
6) Aniline	7.128	93	186993	10.236	ng		97
8) 2-Chlorophenol	7.375	128	162914	9.468	ng		97
9) Benzaldehyde	6.945	77	126701	11.753	ng		98
10) Phenol	7.004	94	201202	9.516	ng		97
11) bis(2-Chloroethyl)ether	7.228	93	167287	9.770	ng		98
12) 1,3-Dichlorobenzene	7.698	146	202373	9.678	ng		99
13) 1,4-Dichlorobenzene	7.839	146	203124	9.628	ng		98
14) 1,2-Dichlorobenzene	8.157	146	194285	9.690	ng		100
15) Benzyl Alcohol	8.045	79	126394	9.236	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.339	45	201491	10.012	ng		99
17) 2-Methylphenol	8.251	107	118057	9.405	ng		99
18) Hexachloroethane	8.892	117	71494	9.597	ng		95
19) n-Nitroso-di-n-propyla...	8.610	70	119458	9.447	ng		98
20) 3+4-Methylphenols	8.575	107	157890	9.385	ng		97
22) Acetophenone	8.622	105	246249	9.369	ng	#	98
24) Nitrobenzene	8.998	77	173589	9.273	ng		99
25) Isophorone	9.528	82	271649	8.912	ng		100
26) 2-Nitrophenol	9.716	139	65814	8.260	ng		97
27) 2,4-Dimethylphenol	9.781	122	91250	8.997	ng		96
28) bis(2-Chloroethoxy)met...	10.010	93	198036	9.224	ng		98
29) 2,4-Dichlorophenol	10.251	162	147338	8.915	ng		96
30) 1,2,4-Trichlorobenzene	10.463	180	191764	9.274	ng		99
31) Naphthalene	10.651	128	485373	9.260	ng		99
32) Benzoic acid	9.863	122	62166m	7.205	ng		
33) 4-Chloroaniline	10.757	127	167497	9.364	ng		99
34) Hexachlorobutadiene	10.945	225	116499	9.127	ng		97
35) Caprolactam	11.522	113	30986	8.076	ng		97
36) 4-Chloro-3-methylphenol	11.886	107	122307	8.624	ng		97
37) 2-Methylnaphthalene	12.263	142	334335	9.122	ng		99
38) 1-Methylnaphthalene	12.486	142	326369	9.230	ng		100
40) 1,2,4,5-Tetrachloroben...	12.633	216	206804	8.882	ng		100
41) Hexachlorocyclopentadiene	12.622	237	73417	8.512	ng		95
43) 2,4,6-Trichlorophenol	12.874	196	109119	8.368	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049708.D
Acq On : 13 Mar 2025 10:21
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	122162	8.585	ng		97
46) 1,1'-Biphenyl	13.280	154	443501	9.078	ng		100
47) 2-Chloronaphthalene	13.321	162	353401	9.294	ng		97
48) 2-Nitroaniline	13.516	65	71291	8.352	ng		92
49) Acenaphthylene	14.163	152	475985	8.955	ng		99
50) Dimethylphthalate	13.898	163	399925	9.164	ng		100
51) 2,6-Dinitrotoluene	14.016	165	78037	8.924	ng		95
52) Acenaphthene	14.510	154	312188m	8.966	ng		
53) 3-Nitroaniline	14.339	138	70204	8.437	ng	#	91
54) 2,4-Dinitrophenol	14.545	184	26403	10.075	ng		95
55) Dibenzofuran	14.845	168	540494	9.304	ng		98
56) 4-Nitrophenol	14.657	139	54482	7.522	ng		94
57) 2,4-Dinitrotoluene	14.798	165	93083	8.273	ng		93
58) Fluorene	15.492	166	411120	8.692	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.068	232	103158	8.660	ng		99
60) Diethylphthalate	15.268	149	370777	9.021	ng		98
61) 4-Chlorophenyl-phenyle...	15.486	204	222371	8.610	ng		95
62) 4-Nitroaniline	15.498	138	69493	10.227	ng		96
63) Azobenzene	15.780	77	351412	8.951	ng		98
65) 4,6-Dinitro-2-methylph...	15.563	198	39732	10.052	ng		85
66) n-Nitrosodiphenylamine	15.698	169	315359	8.754	ng		100
67) 4-Bromophenyl-phenylether	16.380	248	119644	8.716	ng		97
68) Hexachlorobenzene	16.498	284	137892	8.933	ng		99
69) Atrazine	16.651	200	89697	11.298	ng		98
70) Pentachlorophenol	16.839	266	70011	7.217	ng		97
71) Phenanthrene	17.227	178	594833	9.010	ng		99
72) Anthracene	17.315	178	554514	8.673	ng		100
73) Carbazole	17.586	167	508267	8.778	ng		99
74) Di-n-butylphthalate	18.156	149	526299	8.293	ng		99
75) Fluoranthene	19.239	202	629945	8.288	ng		98
77) Benzidine	19.427	184	97550	7.702	ng		100
78) Pyrene	19.603	202	660354	8.965	ng		100
80) Butylbenzylphthalate	20.509	149	185369	8.109	ng		99
81) Benzo(a)anthracene	21.403	228	625441	8.882	ng		99
82) 3,3'-Dichlorobenzidine	21.327	252	167274	7.296	ng		97
83) Chrysene	21.468	228	597771	8.955	ng		99
84) Bis(2-ethylhexyl)phtha...	21.339	149	285266	8.007	ng		98
85) Di-n-octyl phthalate	22.480	149	407812	7.365	ng		99
87) Indeno(1,2,3-cd)pyrene	27.826	276	604218	8.426	ng		99
88) Benzo(b)fluoranthene	23.486	252	567116	8.451	ng		98
89) Benzo(k)fluoranthene	23.550	252	571705	8.658	ng		100
90) Benzo(a)pyrene	24.291	252	472134	8.376	ng		99
91) Dibenzo(a,h)anthracene	27.891	278	509483	8.527	ng		100
92) Benzo(g,h,i)perylene	28.891	276	519343	8.630	ng		99

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

ICAL Form

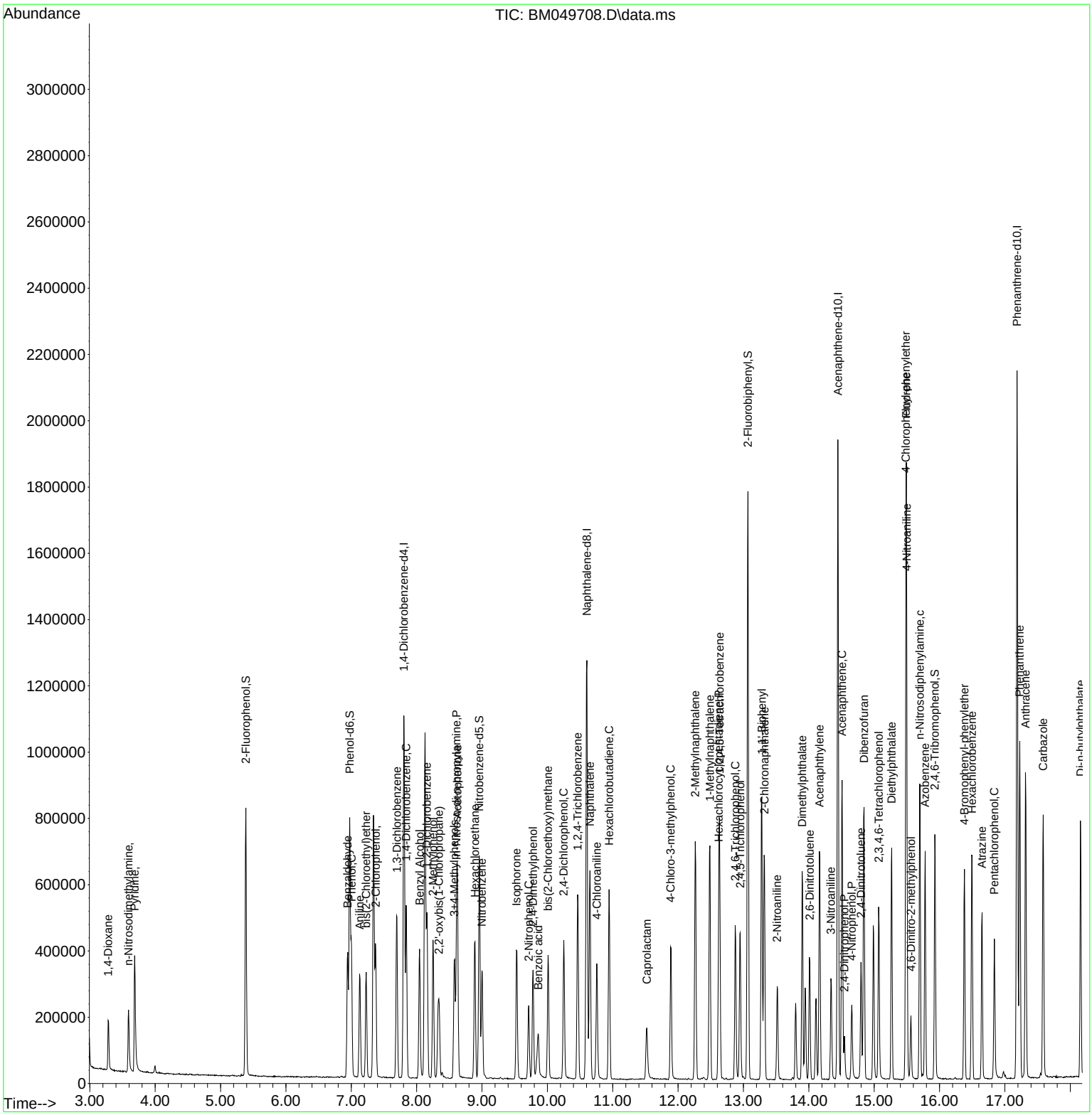
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049708.D
Acq On : 13 Mar 2025 10:21
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 14:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



ICAL Form

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Data File : BM049708.D
Acq On : 13 Mar 2025 10:21
Operator : RC/JU
Sample : SSTDICC010
Misc :
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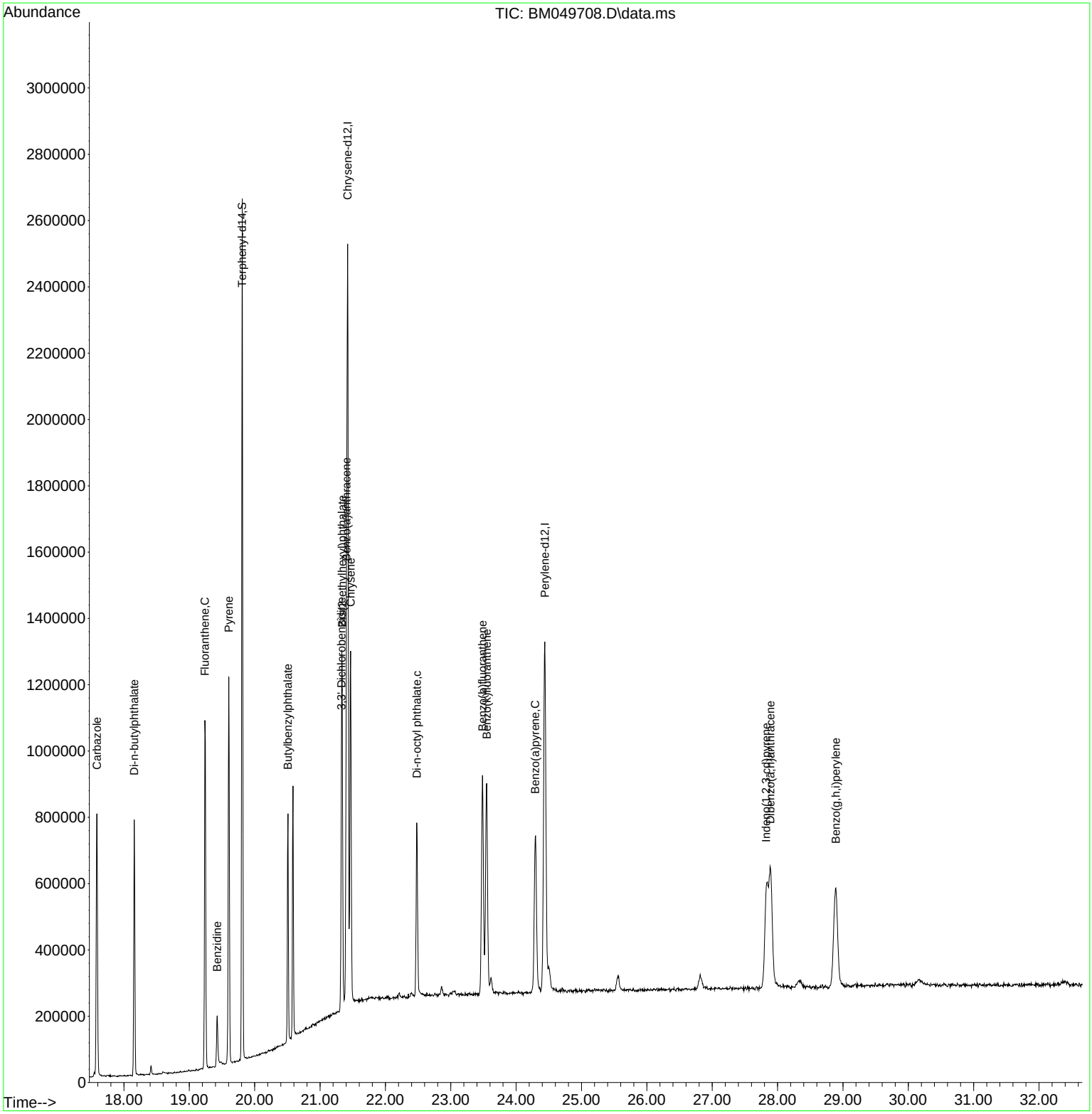
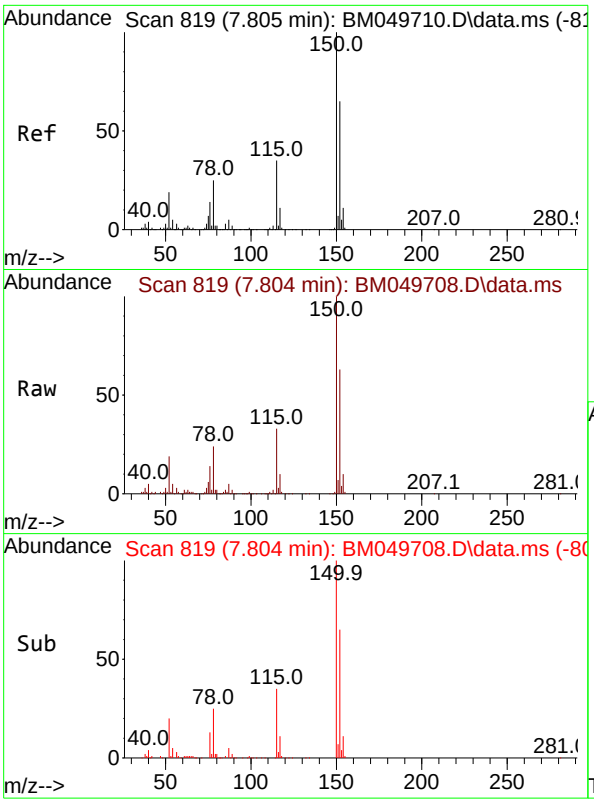
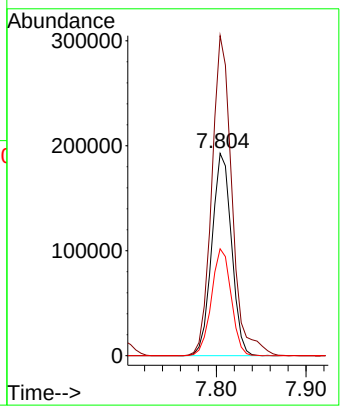




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:152 Resp: 29319

Ion	Ratio	Lower	Upper
152	100		
150	158.2	123.8	185.8
115	52.9	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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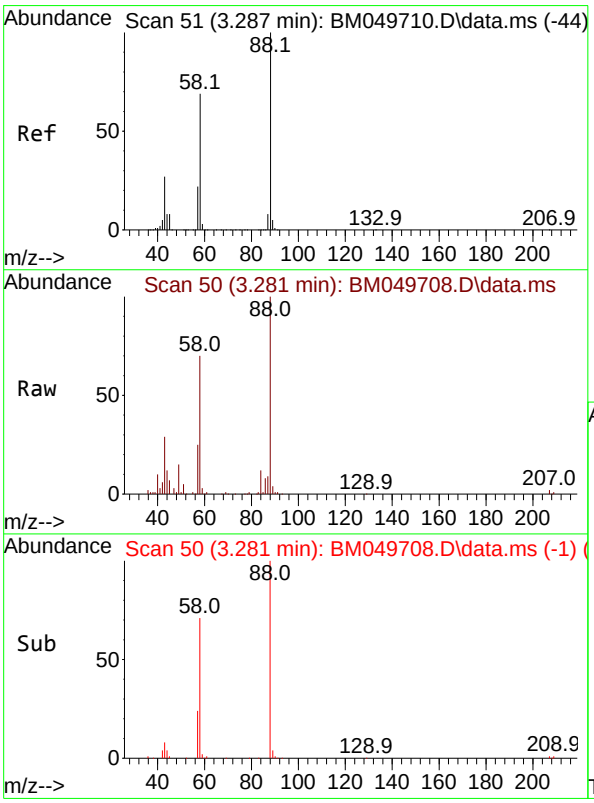
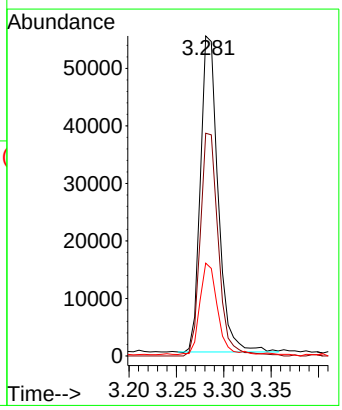
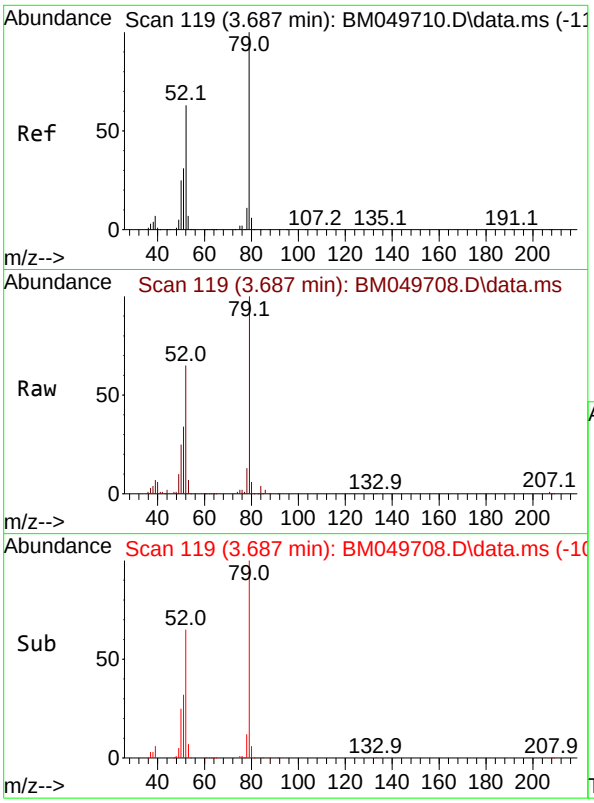


#2
1,4-Dioxane
Concen: 9.459 ng
RT: 3.281 min Scan# 50
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 88 Resp: 71151

Ion	Ratio	Lower	Upper
88	100		
58	72.0	56.7	85.1
43	28.6	22.6	34.0

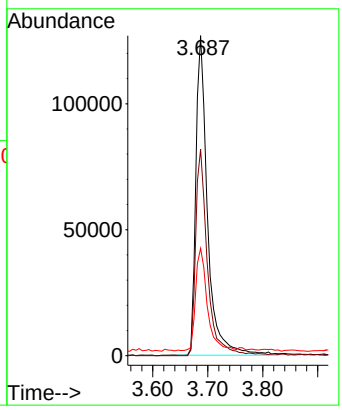




#3
Pyridine
Concen: 9.770 ng
RT: 3.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 79 Resp: 18792

Ion	Ratio	Lower	Upper
79	100		
52	64.5	50.1	75.1
51	33.5	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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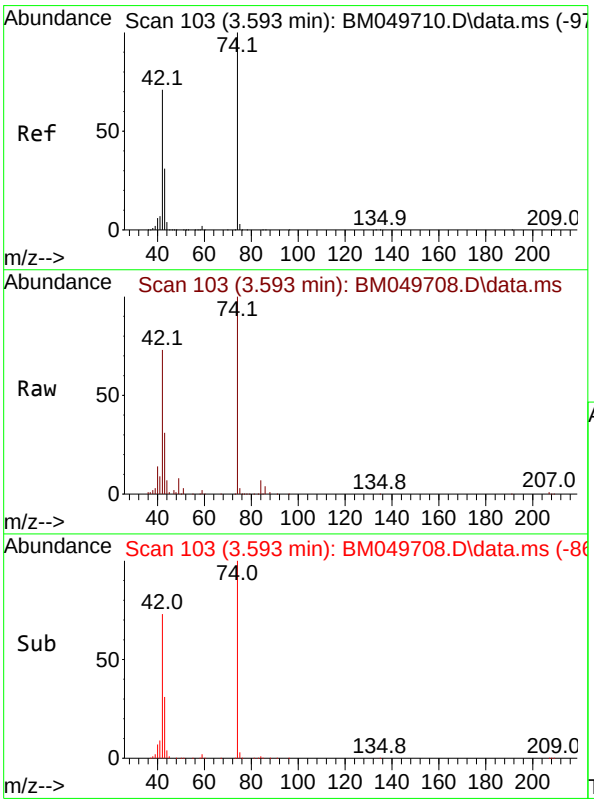
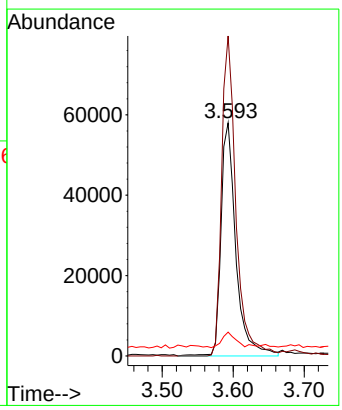
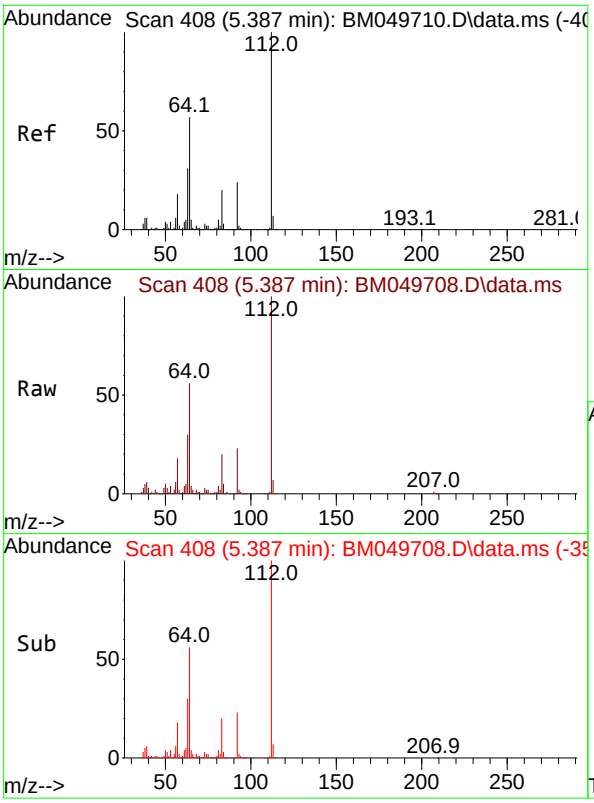


#4
n-Nitrosodimethylamine
Concen: 9.860 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 42 Resp: 83810

Ion	Ratio	Lower	Upper
42	100		
74	137.3	112.6	168.8
44	10.2	5.0	7.6#

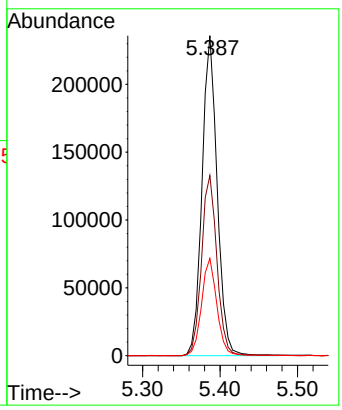




#5
2-Fluorophenol
Concen: 18.418 ng
RT: 5.387 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:112 Resp: 32002

Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.3	67.9
63	30.4	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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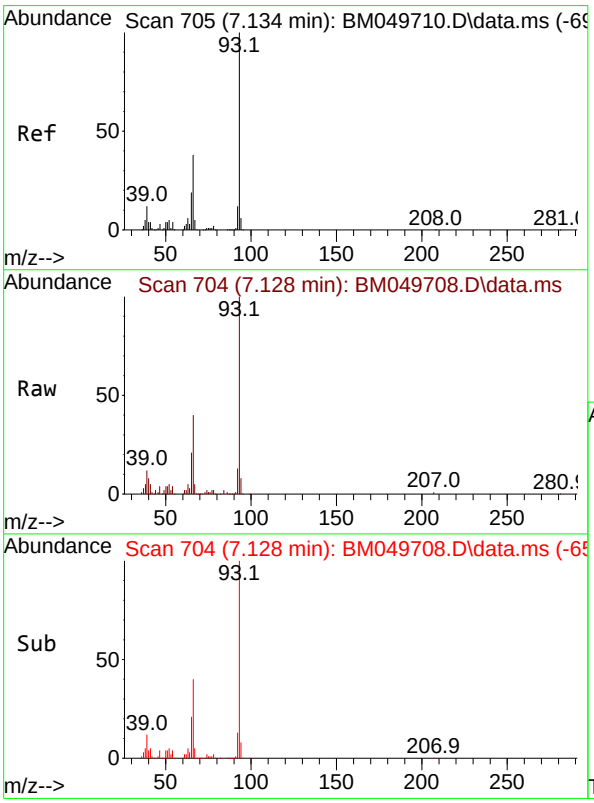
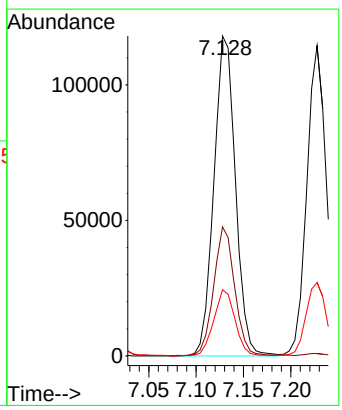
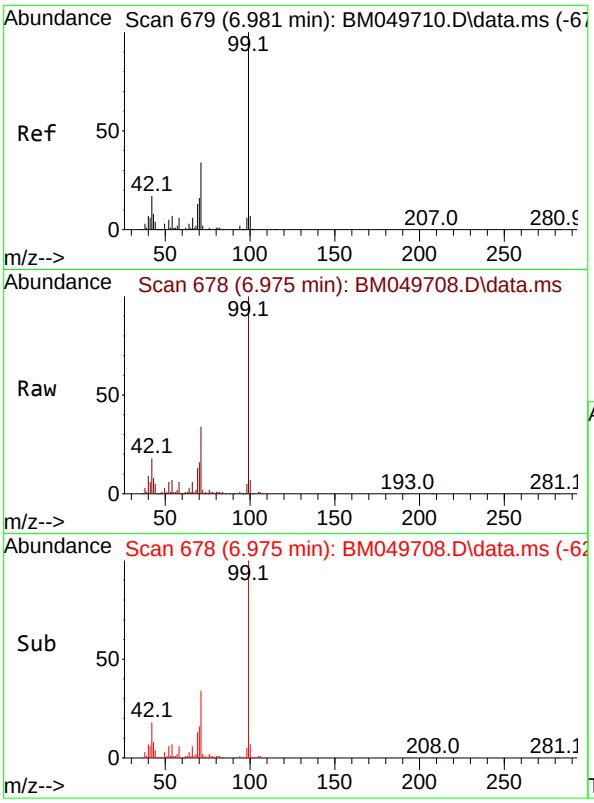


#6
Aniline
Concen: 10.236 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 93 Resp: 186993

Ion	Ratio	Lower	Upper
93	100		
66	40.3	30.6	46.0
65	20.7	15.4	23.2

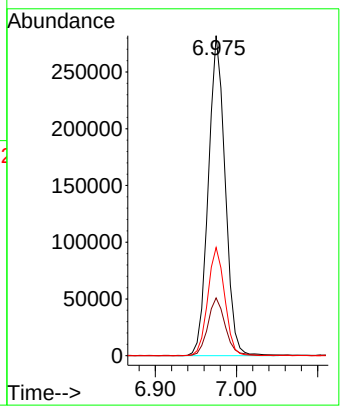




#7
Phenol-d6
Concen: 18.597 ng
RT: 6.975 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 99 Resp: 40553

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.6	20.4
71	33.8	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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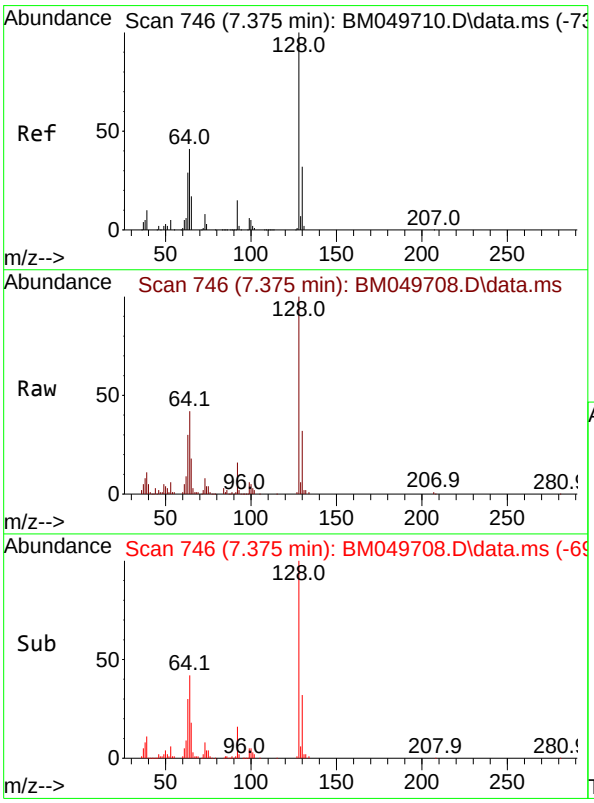
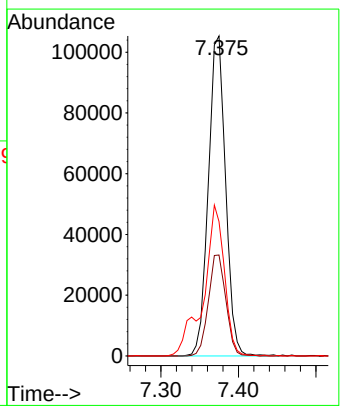
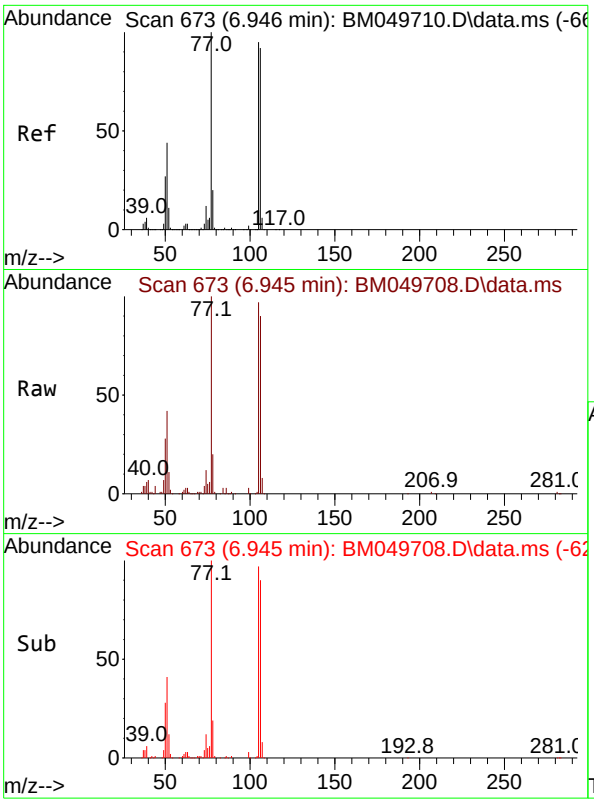


#8
2-Chlorophenol
Concen: 9.468 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:128 Resp: 162914

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.5	52.5
64	42.0	24.9	64.9

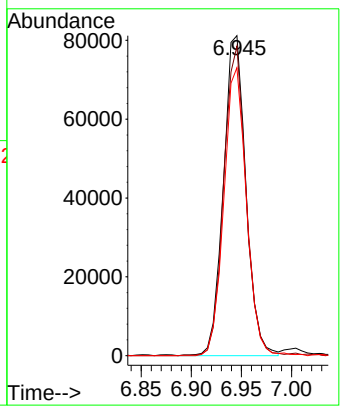




#9
Benzaldehyde
Concen: 11.753 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.001 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 77 Resp: 12670

Ion	Ratio	Lower	Upper
77	100		
105	96.7	75.0	115.0
106	90.0	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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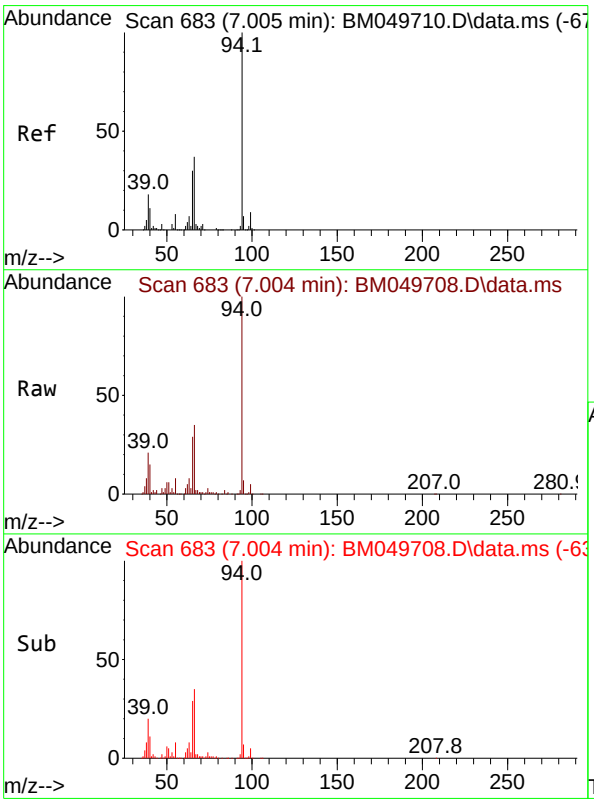
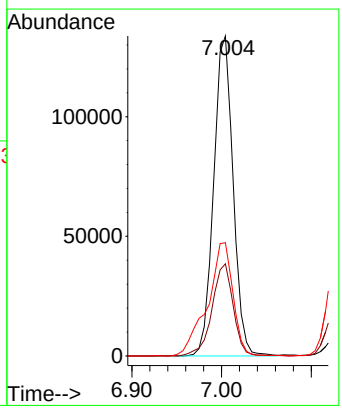
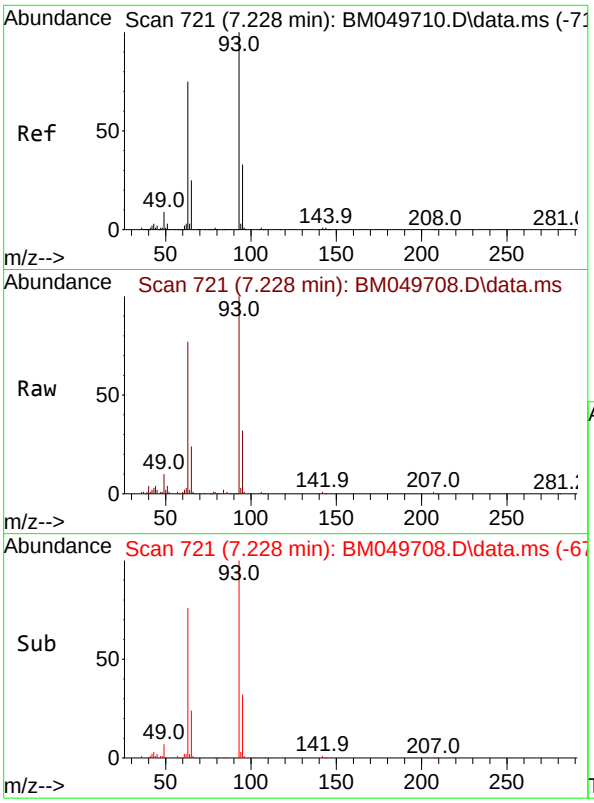


#10
Phenol
Concen: 9.516 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 94 Resp: 201202

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.4	50.4
66	35.4	17.1	57.1

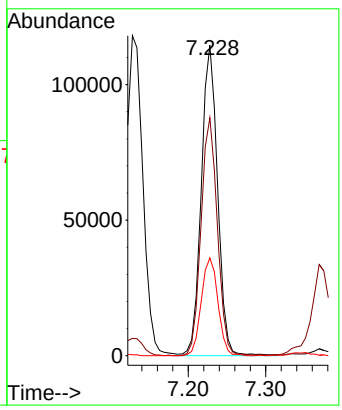




#11
bis(2-Chloroethyl)ether
Concen: 9.770 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 93 Resp: 16728

Ion	Ratio	Lower	Upper
93	100		
63	76.7	54.8	94.8
95	31.5	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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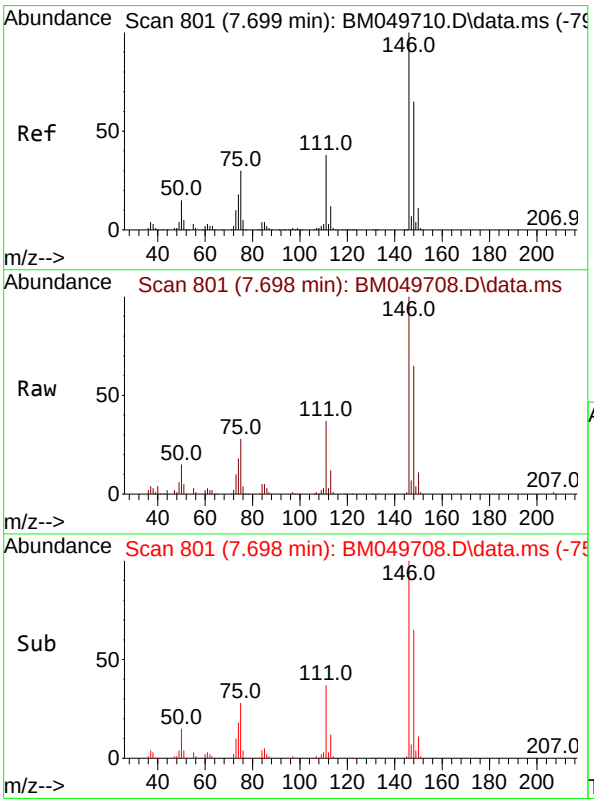
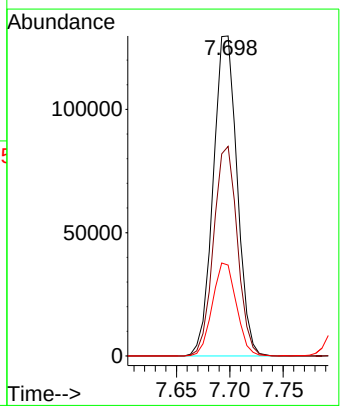
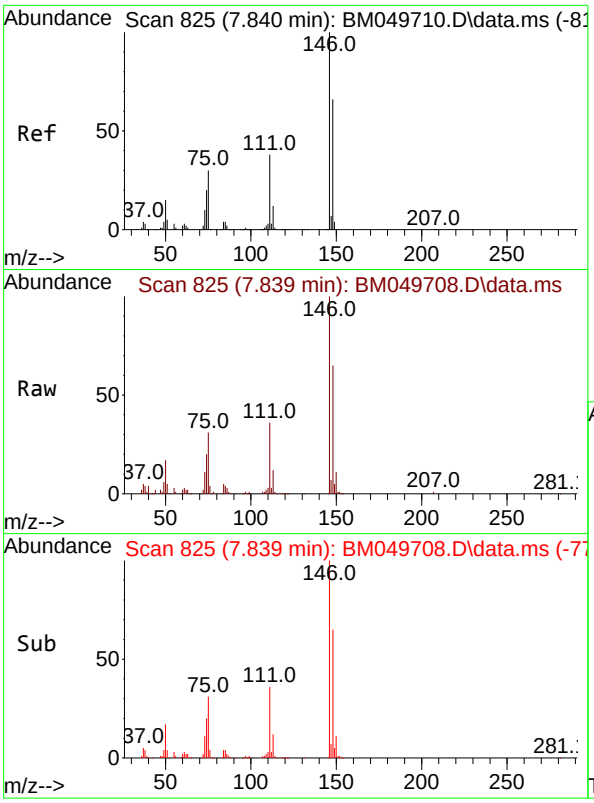


#12
1,3-Dichlorobenzene
Concen: 9.678 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:146 Resp: 202373

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.3	78.5
75	28.4	24.2	36.2





#13
1,4-Dichlorobenzene
Concen: 9.628 ng
RT: 7.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:146 Resp: 20312

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.6	79.0
111	36.4	30.8	46.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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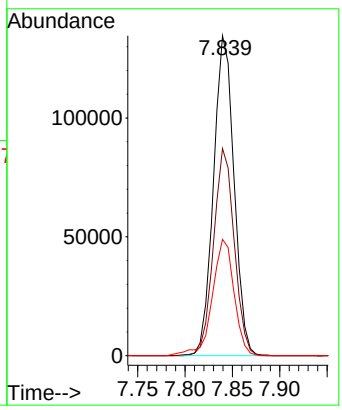
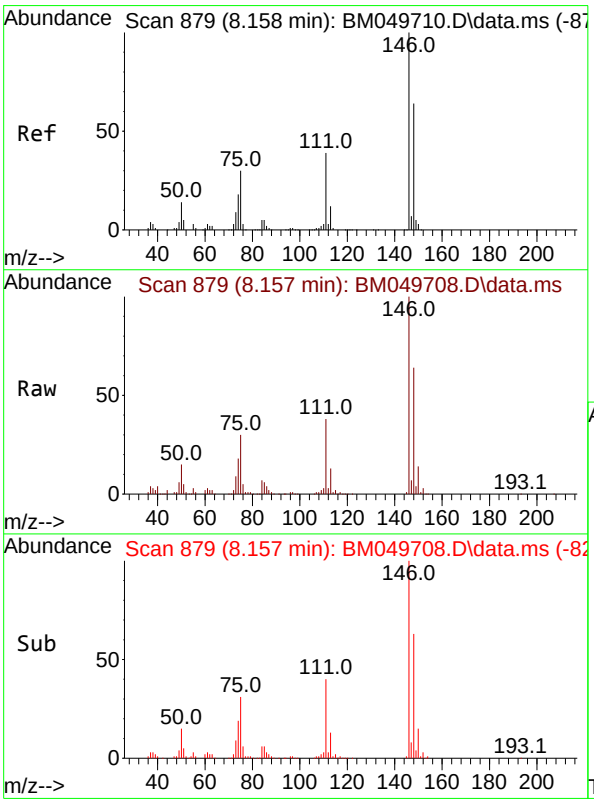
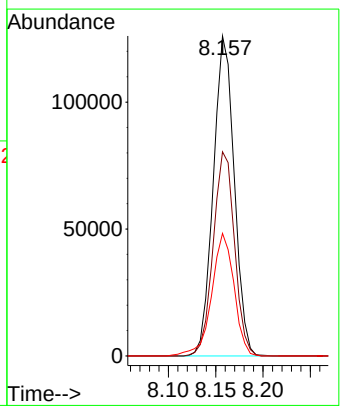


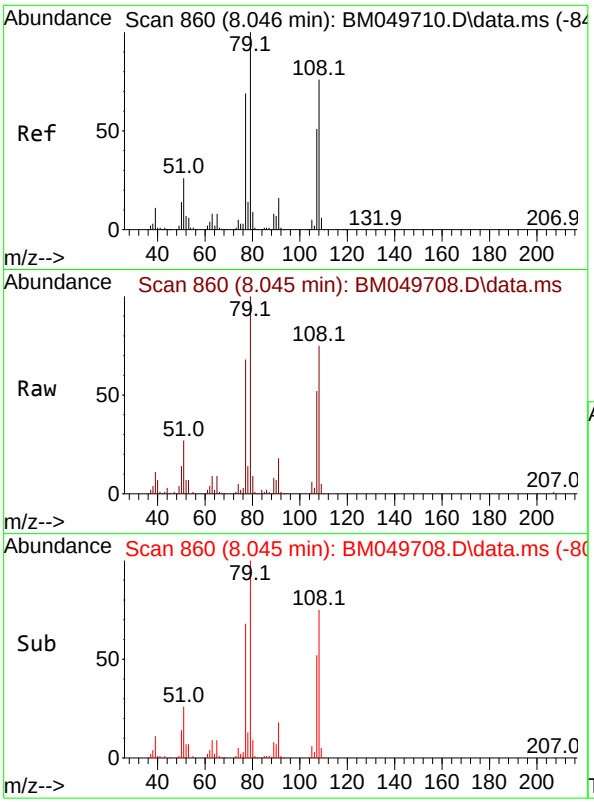


#14
1,2-Dichlorobenzene
Concen: 9.690 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:146 Resp: 194285

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.9	76.3
111	38.3	31.0	46.6





#15
Benzyl Alcohol
Concen: 9.236 ng
RT: 8.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 79 Resp: 12639

Ion	Ratio	Lower	Upper
79	100		
108	75.1	60.7	91.1
77	68.0	55.4	83.2

Instrument :
BNA_M
ClientSampleId :
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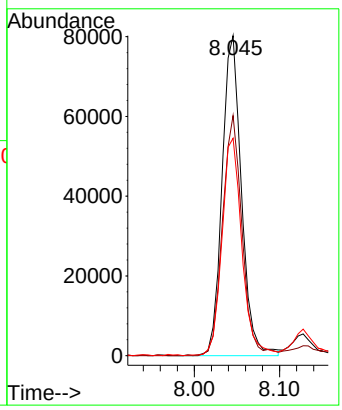
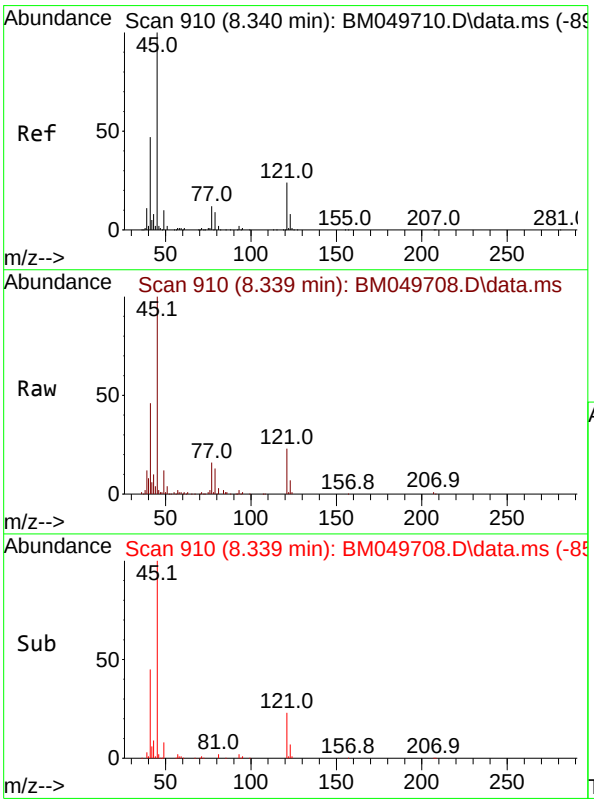
Supervised By :Jagrut Upadhyay 03/14/2025

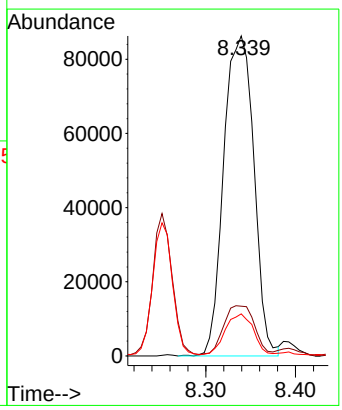


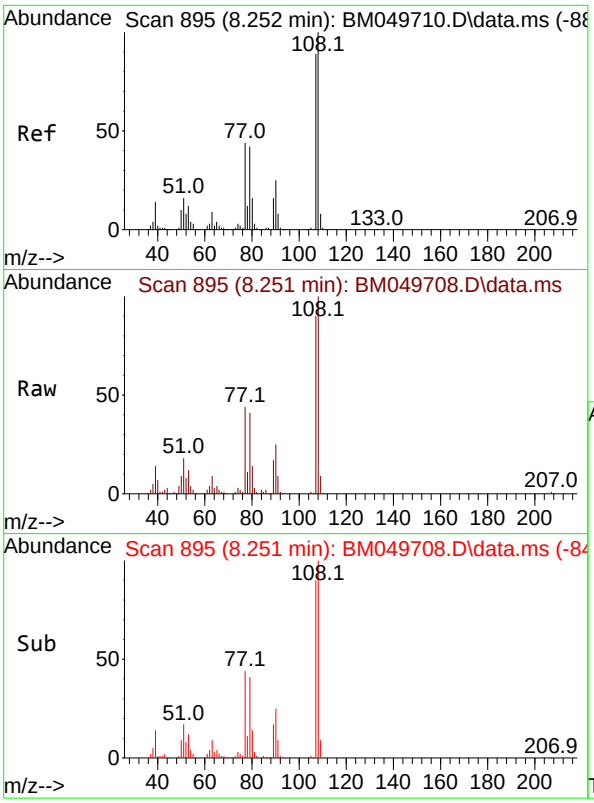


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.012 ng
RT: 8.339 min Scan# 910
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 45 Resp: 201491

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	36.1
79	13.1	0.0	32.8

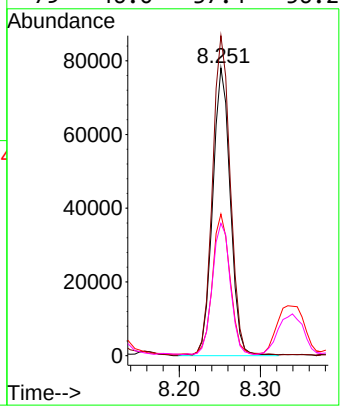




#17
2-Methylphenol
Concen: 9.405 ng
RT: 8.251 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:107 Resp: 11805

Ion	Ratio	Lower	Upper
107	100		
108	111.2	89.6	134.4
77	49.2	39.8	59.6
79	46.0	37.4	56.2



Instrument :
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ClientSampleId :
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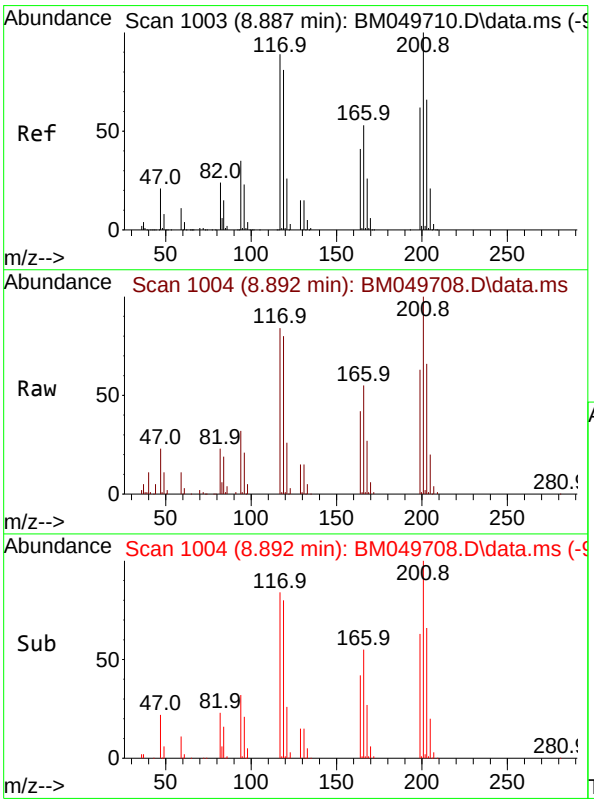
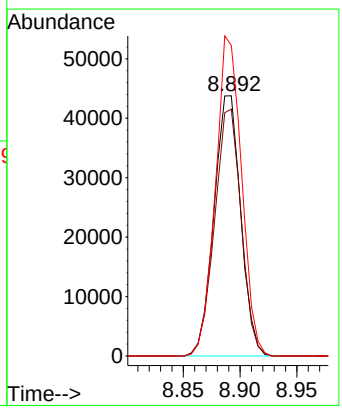
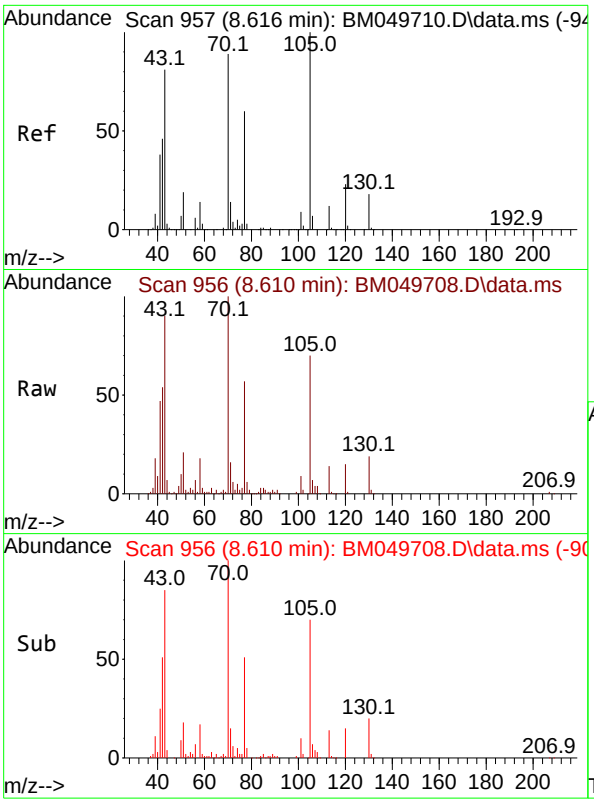


#18
Hexachloroethane
Concen: 9.597 ng
RT: 8.892 min Scan# 1004
Delta R.T. 0.005 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:117 Resp: 71494

Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.1	109.7
201	119.3	90.0	135.0

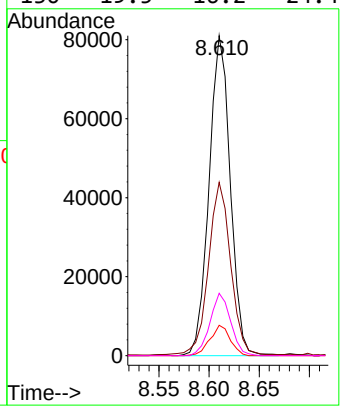




#19
n-Nitroso-di-n-propylamine
Concen: 9.447 ng
RT: 8.610 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 70 Resp: 11945

Ion	Ratio	Lower	Upper
70	100		
42	54.1	41.8	62.6
101	9.5	7.7	11.5
130	19.5	16.2	24.4



Instrument :
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ClientSampleId :
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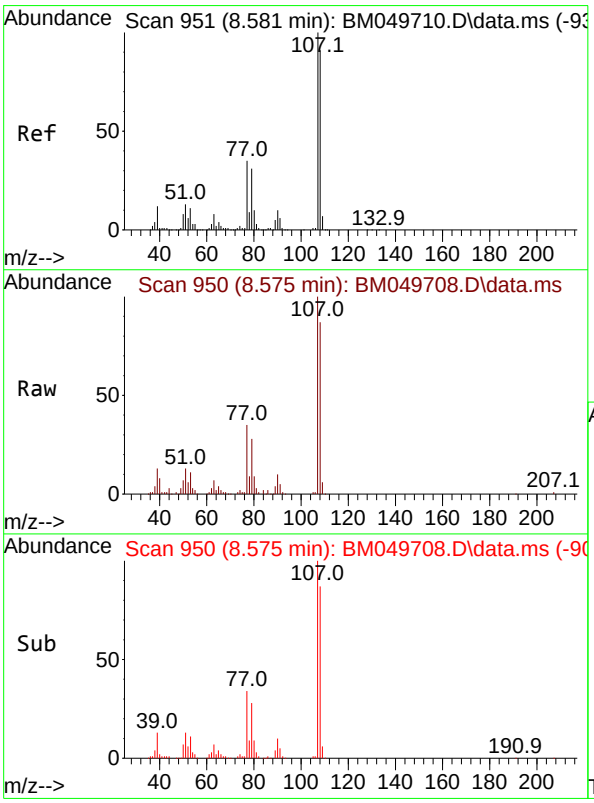
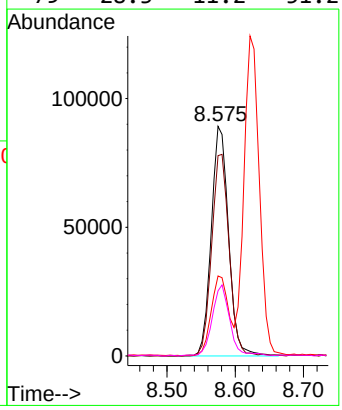
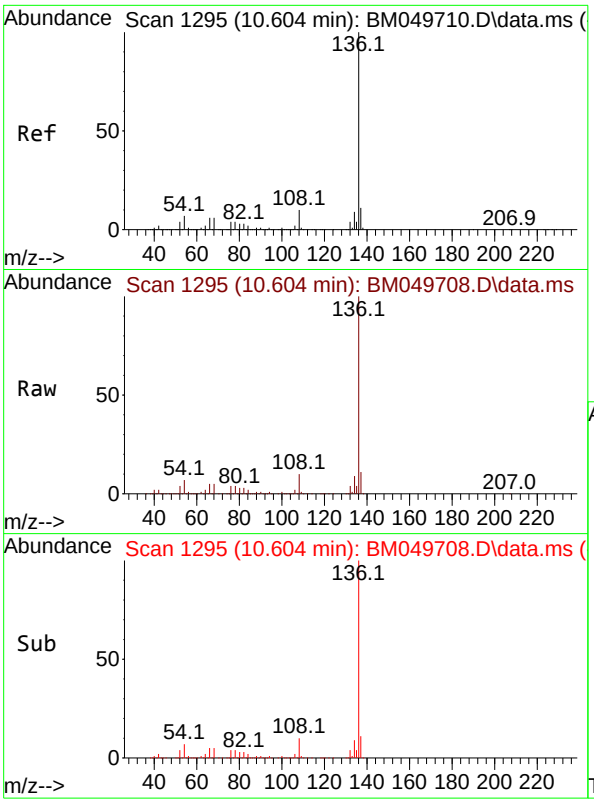


#20
3+4-Methylphenols
Concen: 9.385 ng
RT: 8.575 min Scan# 950
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:107 Resp: 157890

Ion	Ratio	Lower	Upper
107	100		
108	87.2	71.0	111.0
77	34.8	15.1	55.1
79	28.3	11.2	51.2

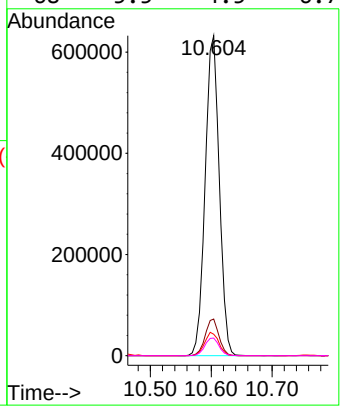




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:136 Resp: 101932

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	6.7	5.8	8.8
68	5.5	4.5	6.7



Instrument :
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ClientSampleId :
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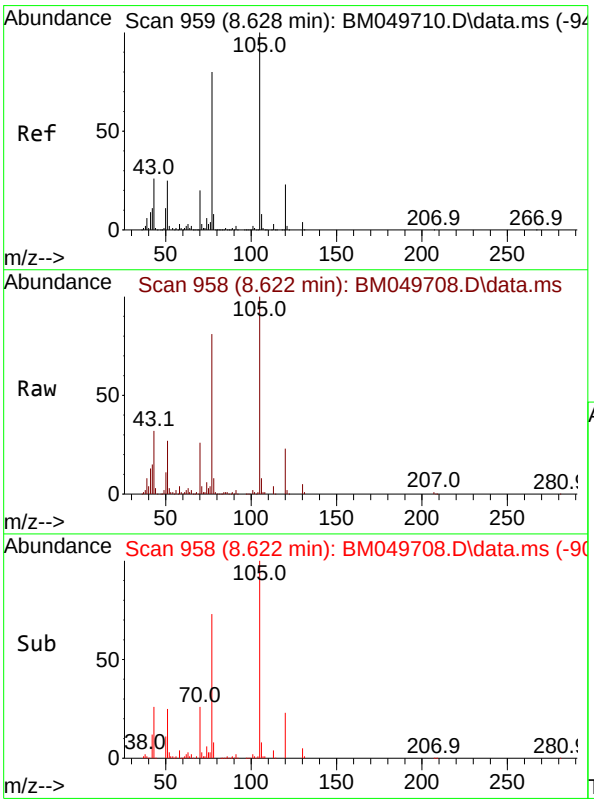
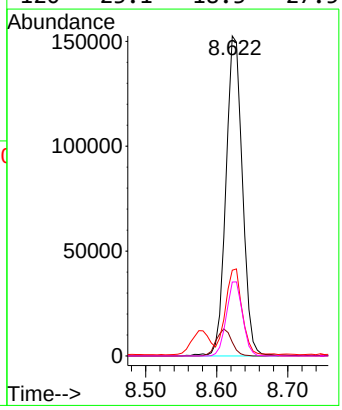
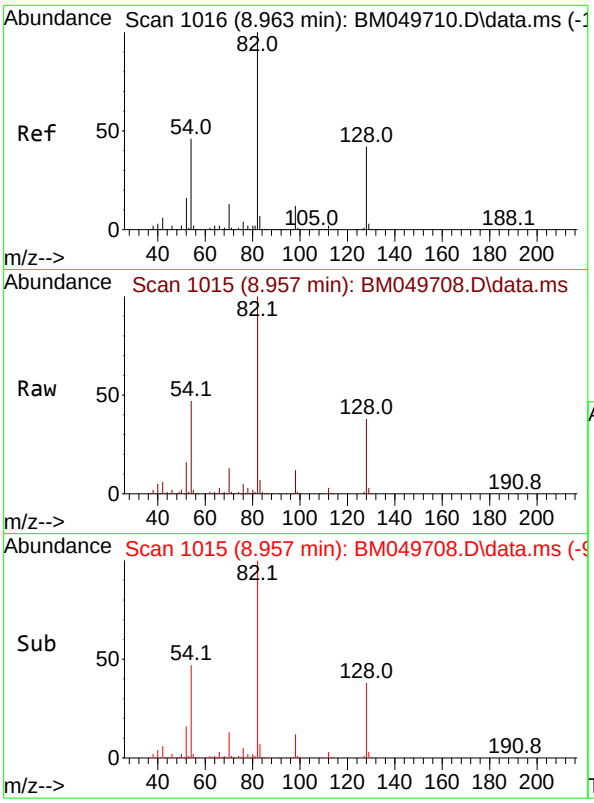


#22
Acetophenone
Concen: 9.369 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:105 Resp: 246249

Ion	Ratio	Lower	Upper
105	100		
71	4.3	2.5	3.7#
51	26.8	19.9	29.9
120	23.1	18.3	27.5

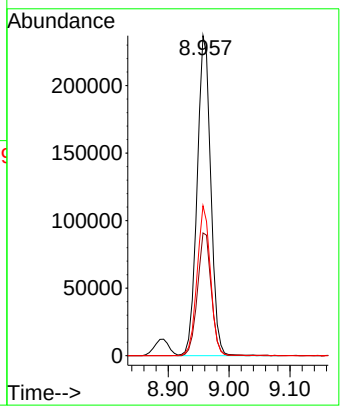




#23
Nitrobenzene-d5
Concen: 18.534 ng
RT: 8.957 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 82 Resp: 36797(

Ion	Ratio	Lower	Upper
82	100		
128	38.4	33.4	50.0
54	46.8	36.4	54.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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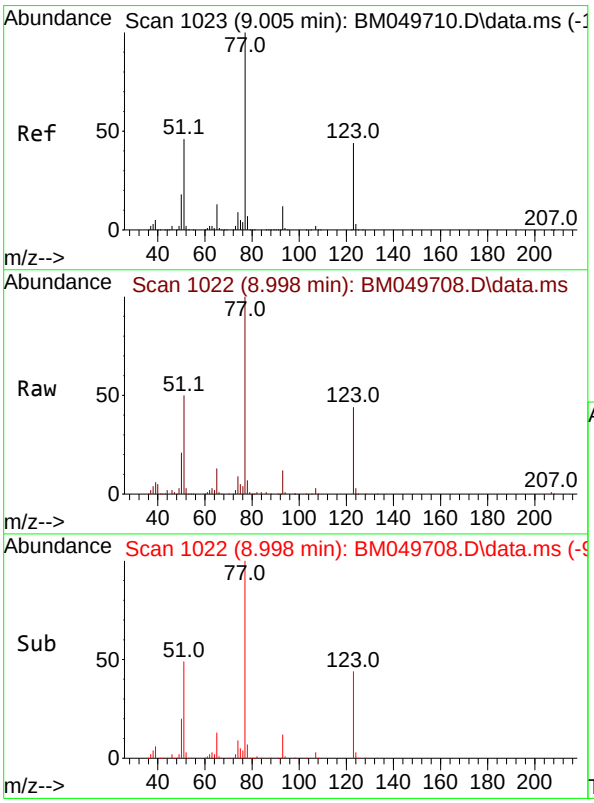
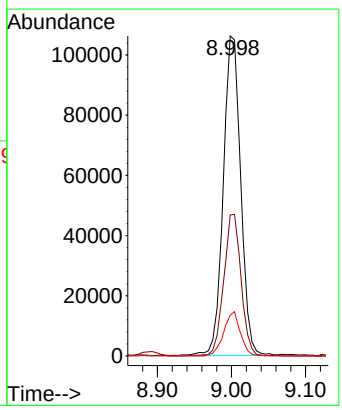
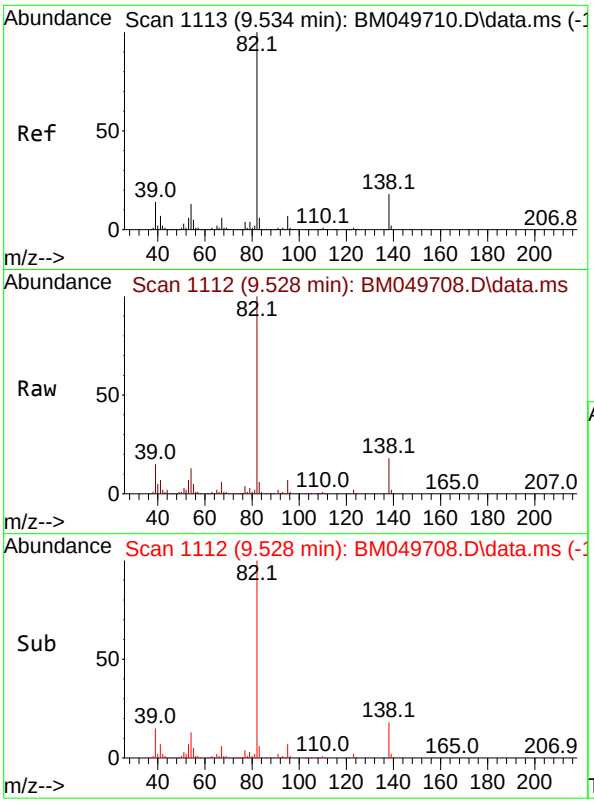


#24
Nitrobenzene
Concen: 9.273 ng
RT: 8.998 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 77 Resp: 173589

Ion	Ratio	Lower	Upper
77	100		
123	44.1	34.9	52.3
65	12.8	10.6	15.8

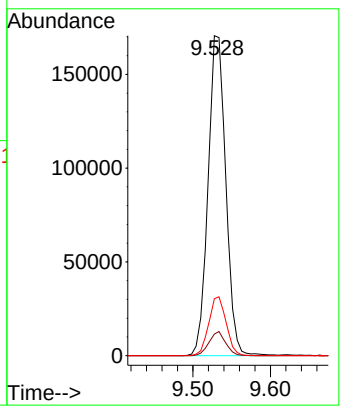




#25
Isophorone
Concen: 8.912 ng
RT: 9.528 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 82 Resp: 27164

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	17.8	14.4	21.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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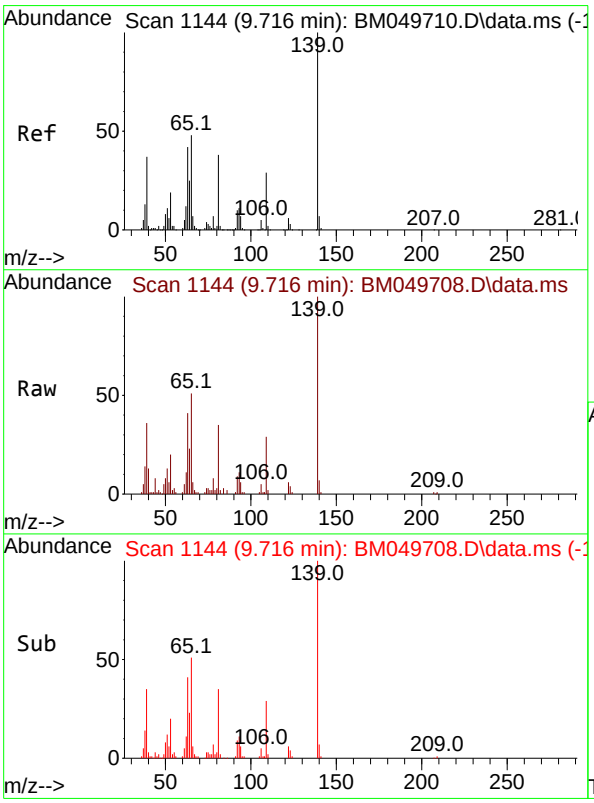
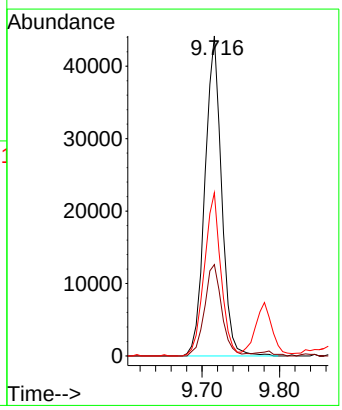
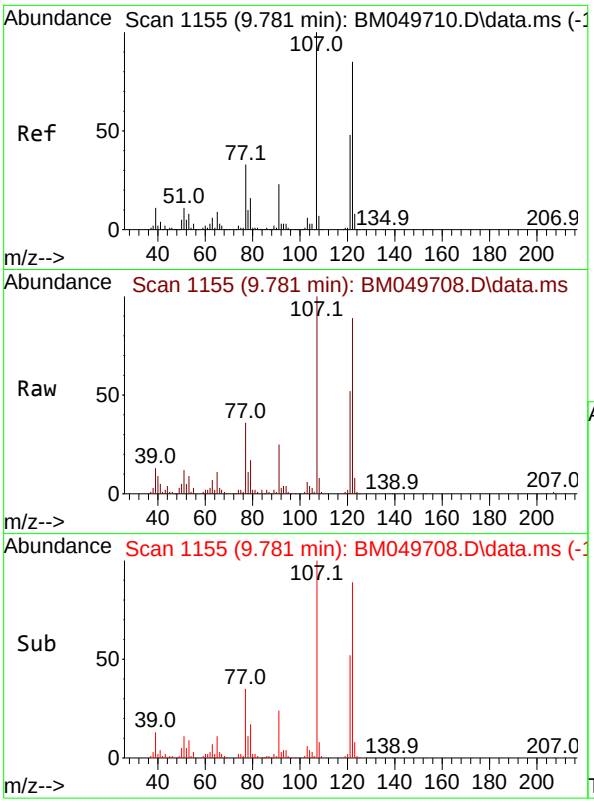


#26
2-Nitrophenol
Concen: 8.260 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:139 Resp: 65814

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.3	34.9
65	51.0	38.6	58.0

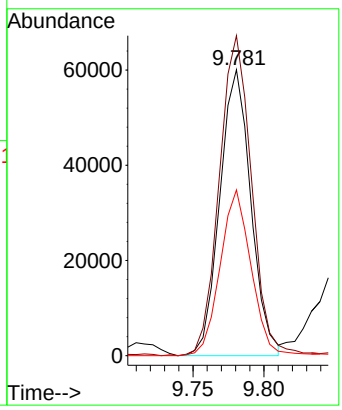




#27
2,4-Dimethylphenol
Concen: 8.997 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:122 Resp: 9125

Ion	Ratio	Lower	Upper
122	100		
107	111.9	94.3	141.5
121	58.0	45.4	68.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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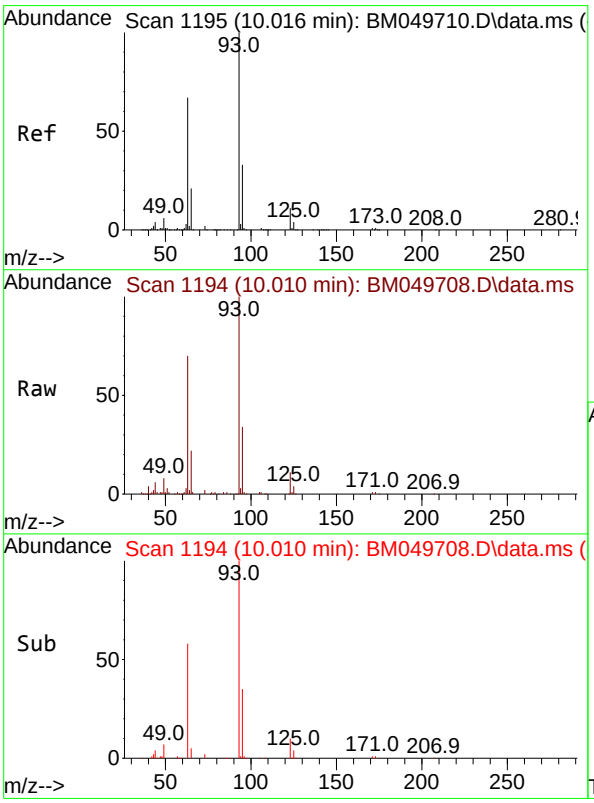
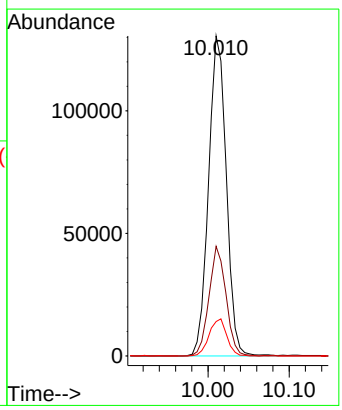
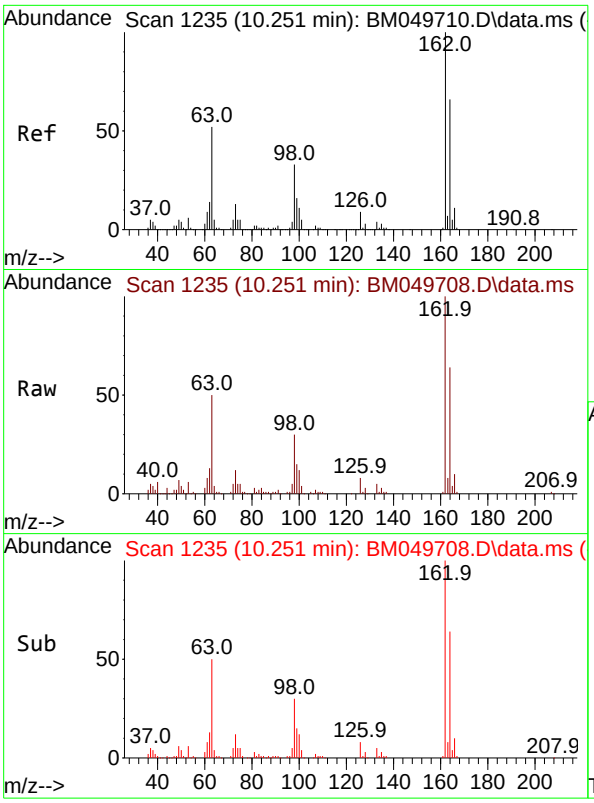


#28
bis(2-Chloroethoxy)methane
Concen: 9.224 ng
RT: 10.010 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 93 Resp: 198036

Ion	Ratio	Lower	Upper
93	100		
95	34.2	26.6	40.0
123	10.8	9.0	13.6

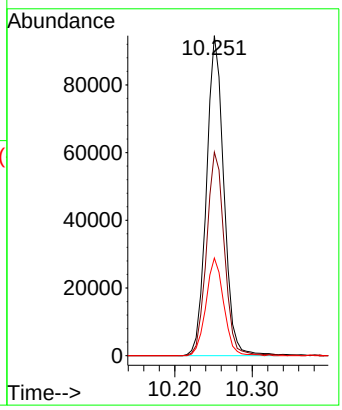




#29
2,4-Dichlorophenol
Concen: 8.915 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:162 Resp: 14733

Ion	Ratio	Lower	Upper
162	100		
164	63.6	46.3	86.3
98	30.5	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
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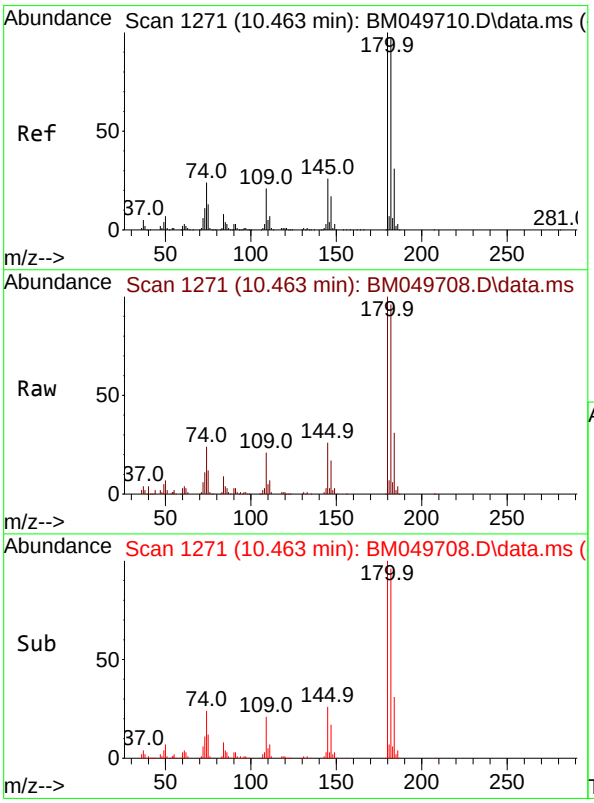
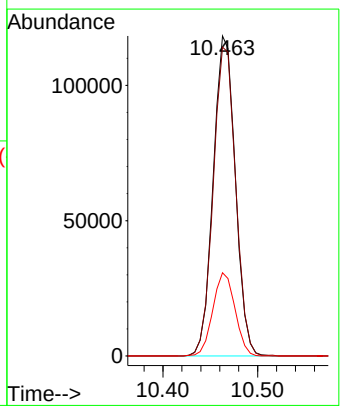
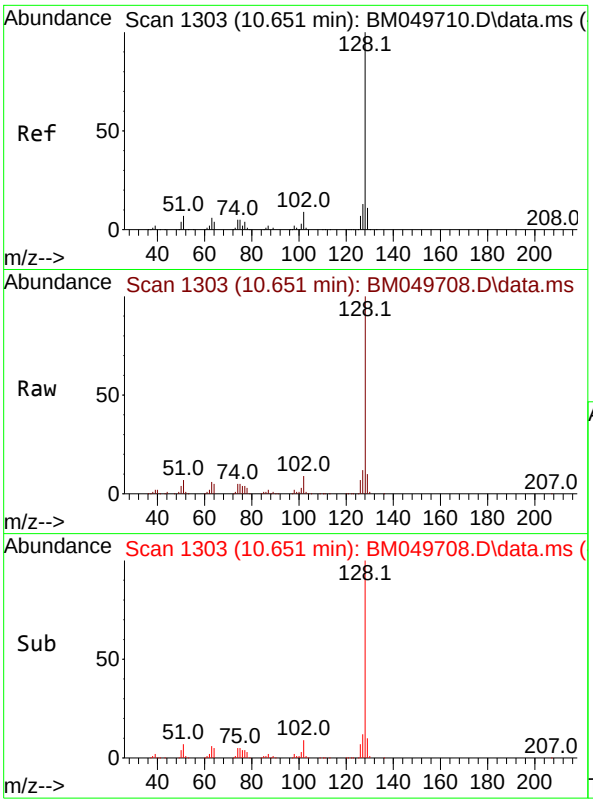


#30
1,2,4-Trichlorobenzene
Concen: 9.274 ng
RT: 10.463 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:180 Resp: 191764

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.7	116.5
145	26.0	21.0	31.4

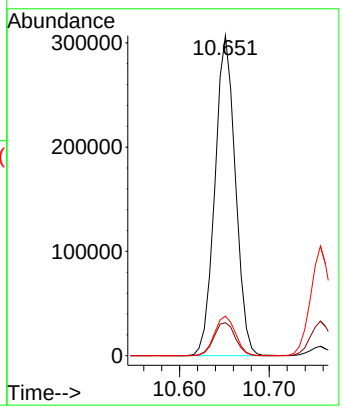




#31
Naphthalene
Concen: 9.260 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:128 Resp: 48537

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.6	13.0
127	12.4	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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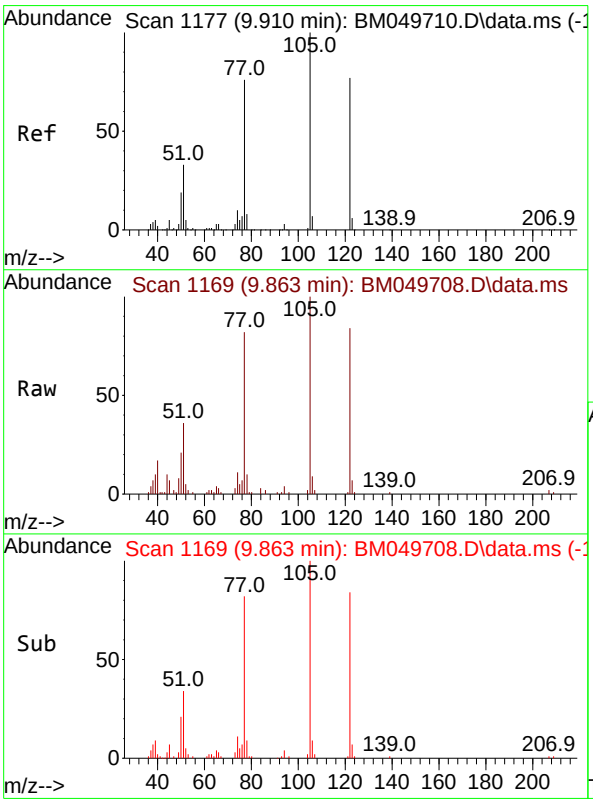
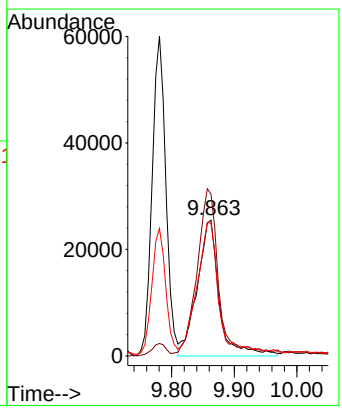
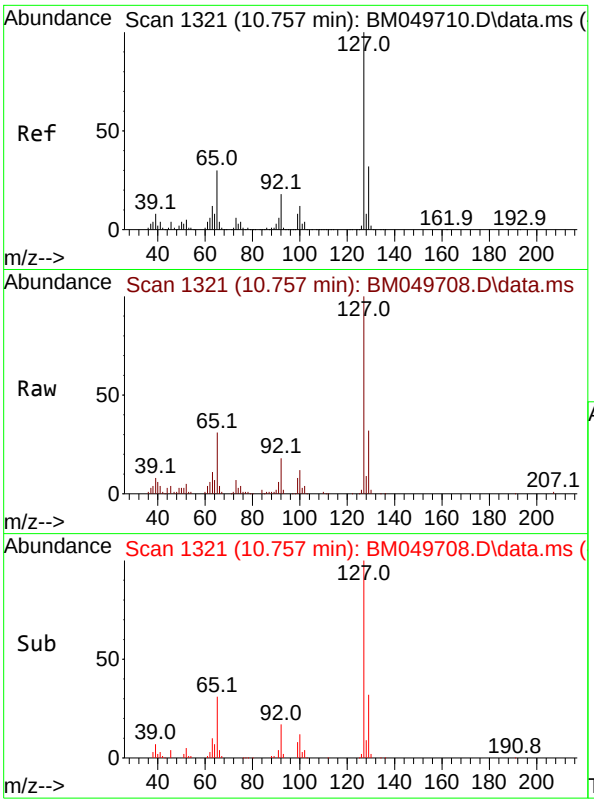


#32
Benzoic acid
Concen: 7.205 ng m
RT: 9.863 min Scan# 1169
Delta R.T. -0.047 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:122 Resp: 62166

Ion	Ratio	Lower	Upper
122	100		
105	119.3	105.6	145.6
77	97.6	76.9	116.9

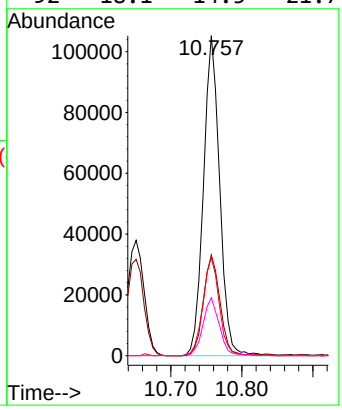




#33
4-Chloroaniline
Concen: 9.364 ng
RT: 10.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:127 Resp: 16749

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.7	38.5
65	30.7	24.1	36.1
92	18.1	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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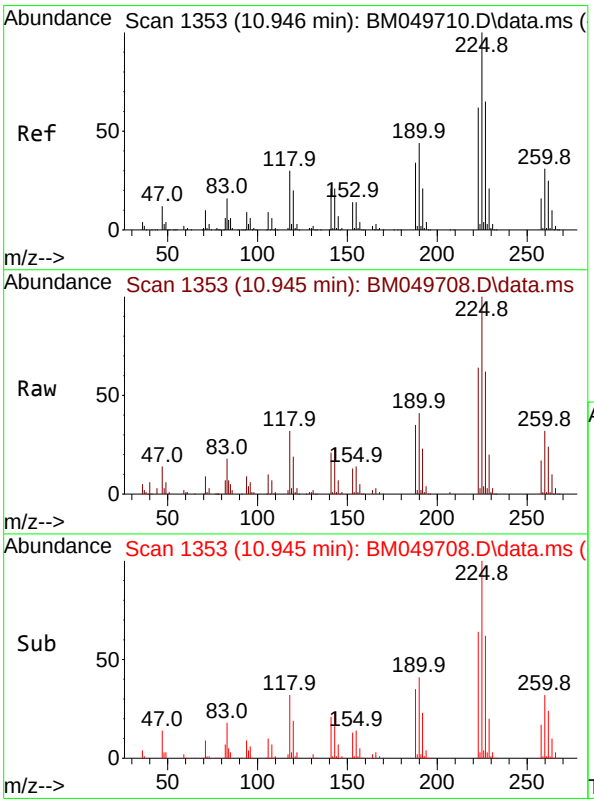
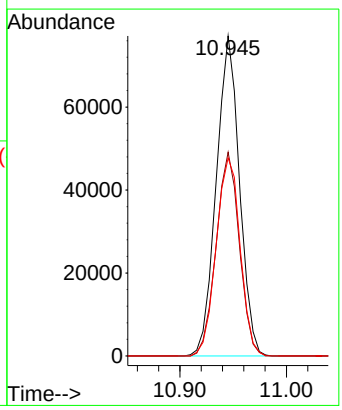
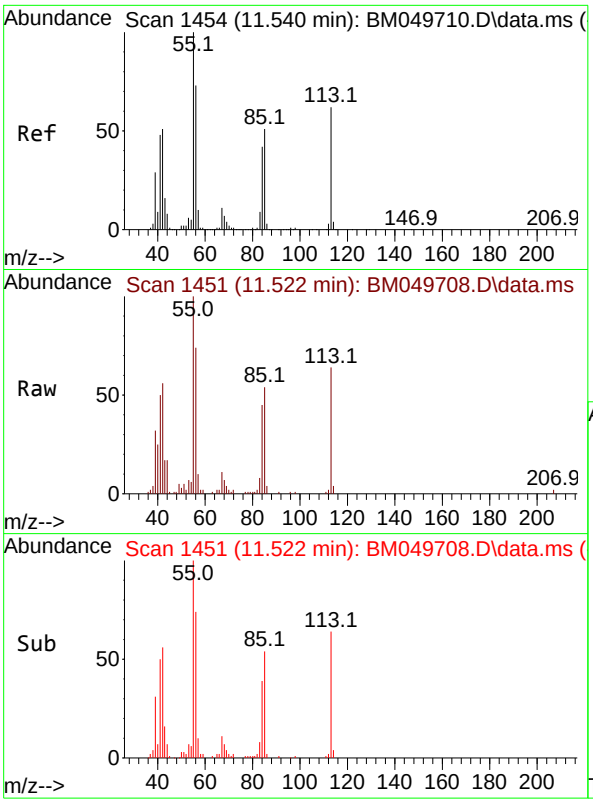


#34
Hexachlorobutadiene
Concen: 9.127 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:225 Resp: 116499

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.8	74.8
227	61.9	52.1	78.1

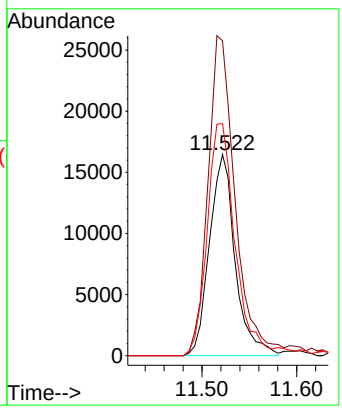




#35
Caprolactam
Concen: 8.076 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.018 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:113 Resp: 3098

Ion	Ratio	Lower	Upper
113	100		
55	156.4	141.8	181.8
56	115.3	98.0	138.0



Instrument :
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ClientSampleId :
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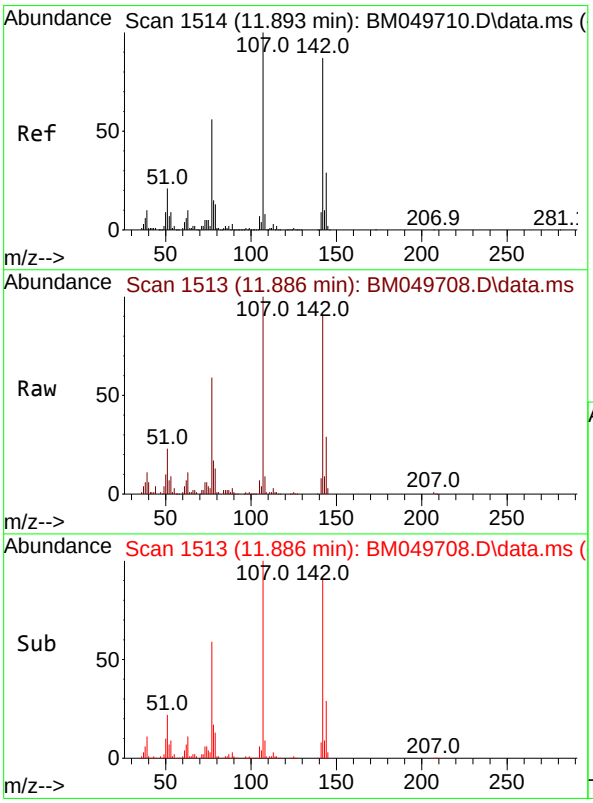
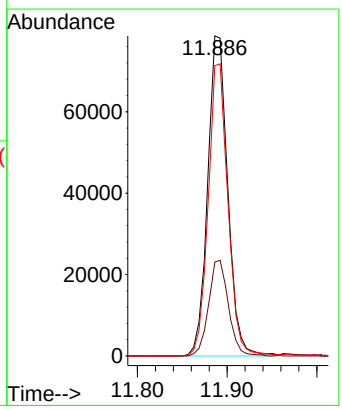
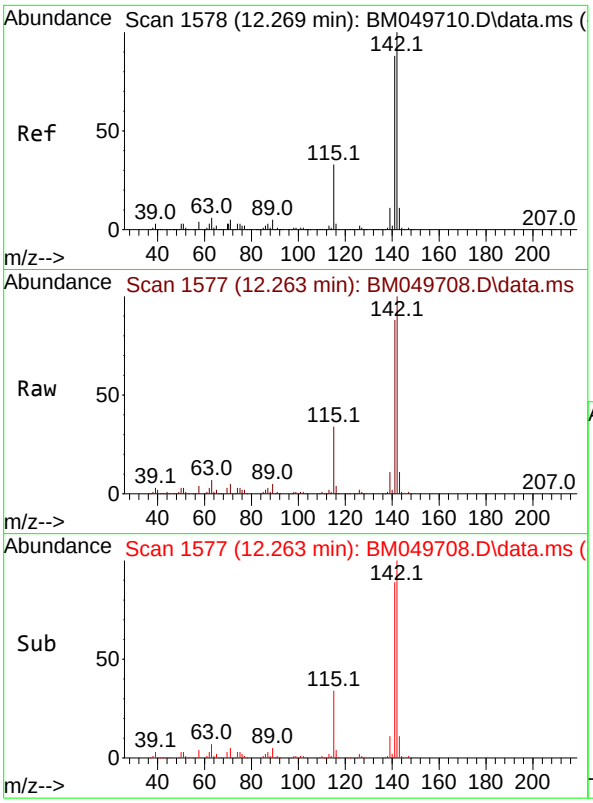


#36
4-Chloro-3-methylphenol
Concen: 8.624 ng
RT: 11.886 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:107 Resp: 122307

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.0	34.6
142	90.7	69.8	104.8

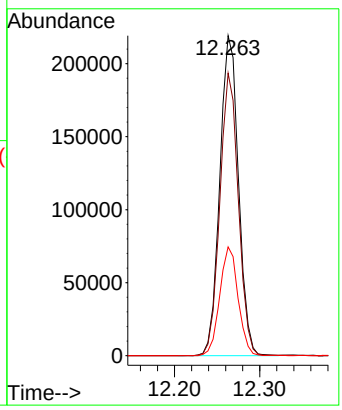




#37
2-Methylnaphthalene
Concen: 9.122 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:142 Resp: 33433

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.5	105.7
115	34.0	26.5	39.7



Instrument :
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ClientSampleId :
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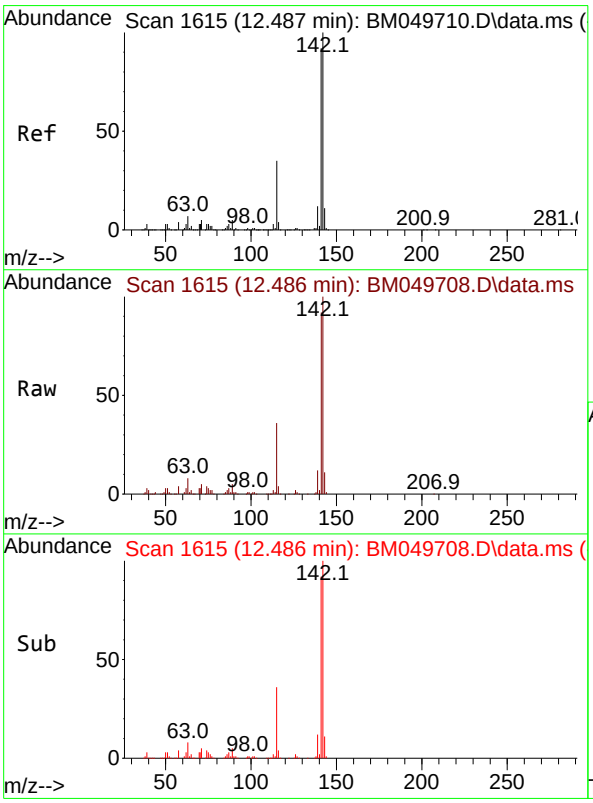
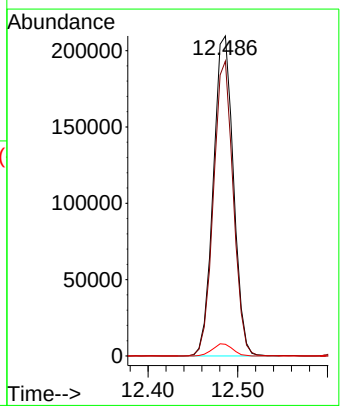
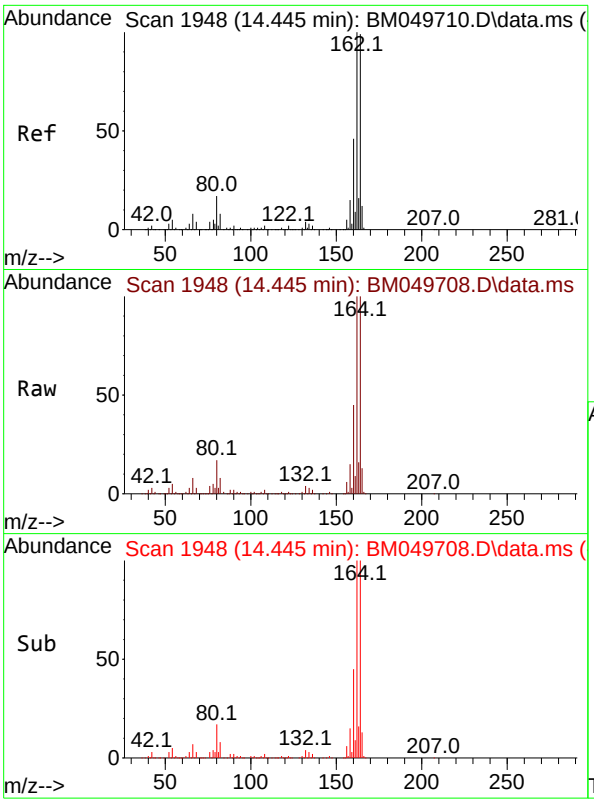


#38
1-Methylnaphthalene
Concen: 9.230 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:142 Resp: 326369

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.4	110.2
116	3.6	2.8	4.2

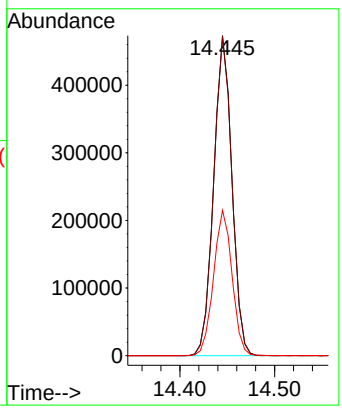




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:164 Resp: 63385

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.5	120.7
160	45.4	36.9	55.3



Instrument :
BNA_M
ClientSampleId :
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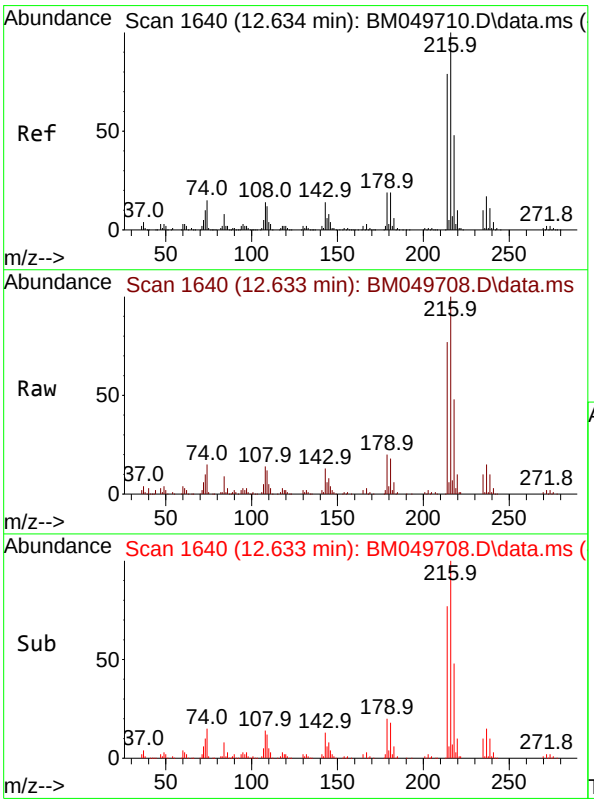
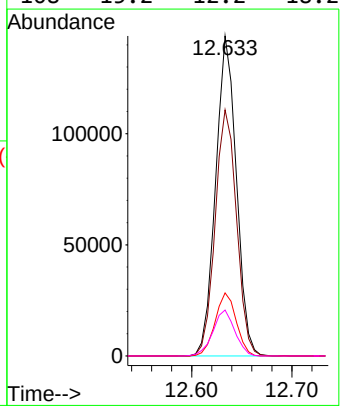
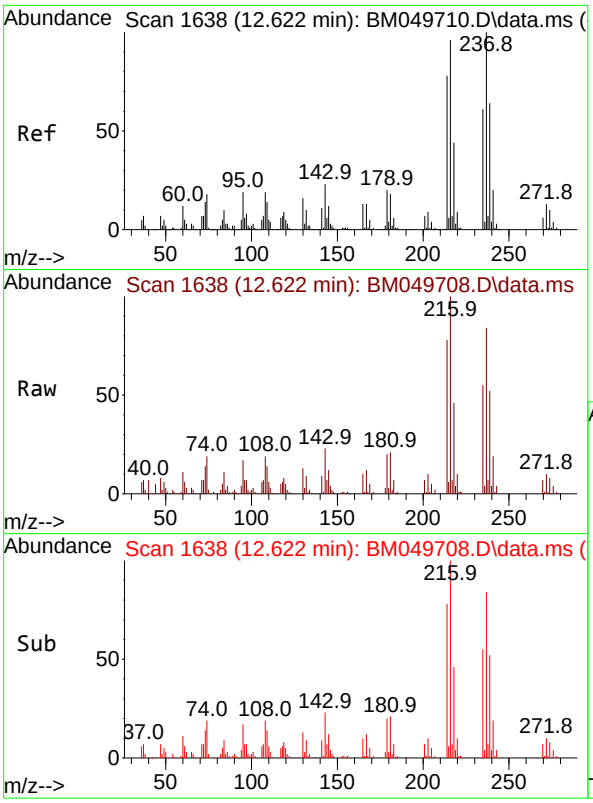


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.882 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:216 Resp: 206804

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.5	95.3
179	20.0	15.7	23.5
108	15.2	12.2	18.2

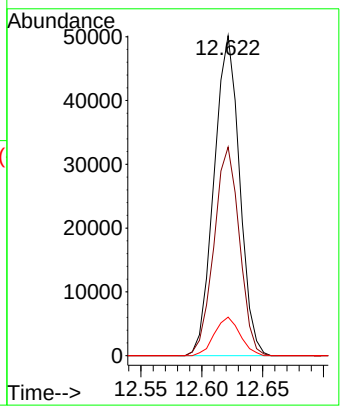




#41
Hexachlorocyclopentadiene
Concen: 8.512 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:237 Resp: 7341

Ion	Ratio	Lower	Upper
237	100		
235	65.2	41.1	81.1
272	12.0	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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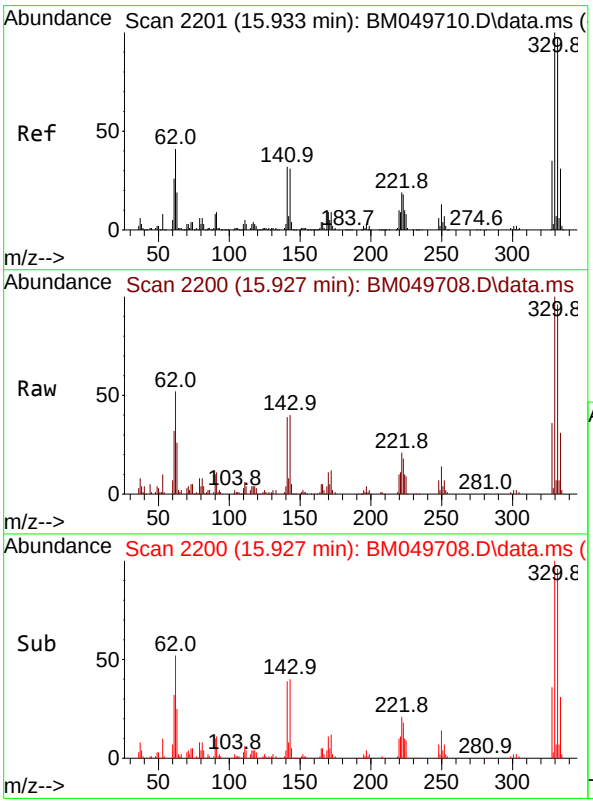
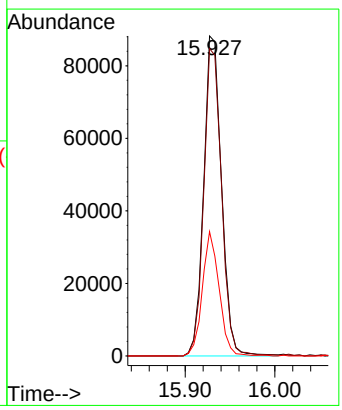
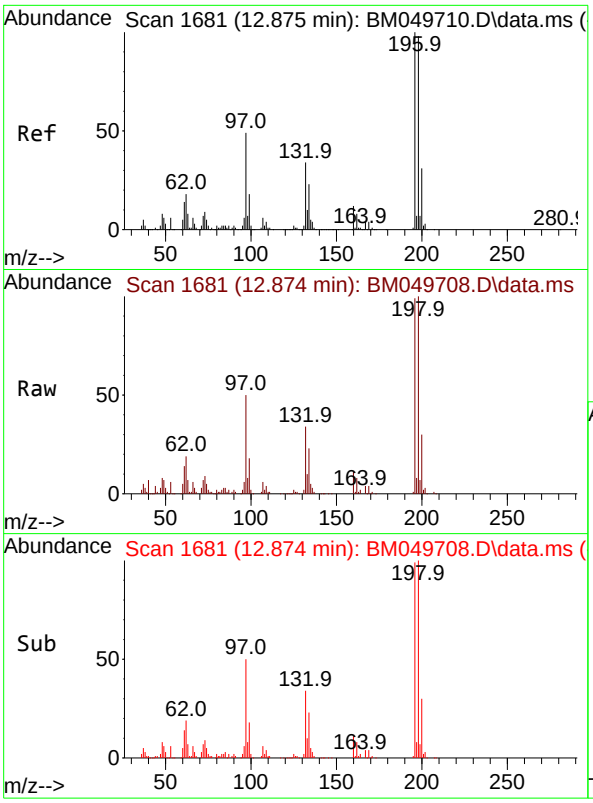


#42
2,4,6-Tribromophenol
Concen: 16.510 ng
RT: 15.927 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:330 Resp: 122197

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.4
141	36.5	27.8	41.6

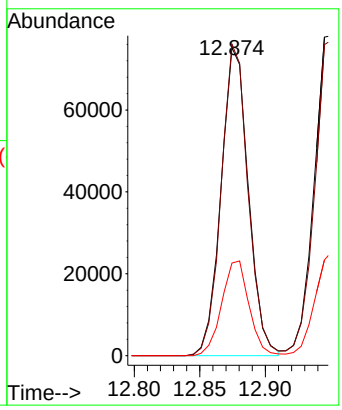




#43
2,4,6-Trichlorophenol
Concen: 8.368 ng
RT: 12.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:196 Resp: 10911

Ion	Ratio	Lower	Upper
196	100		
198	101.1	78.3	117.5
200	30.1	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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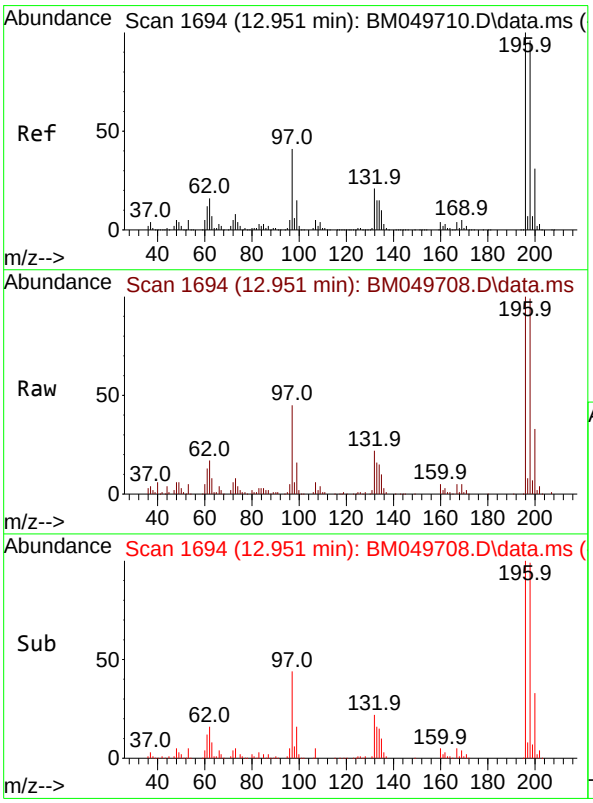
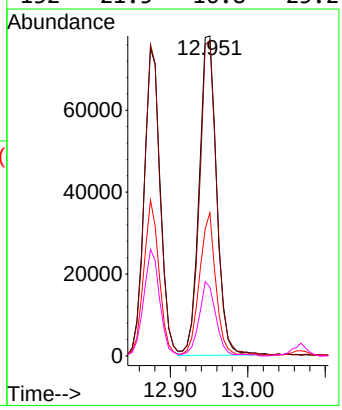
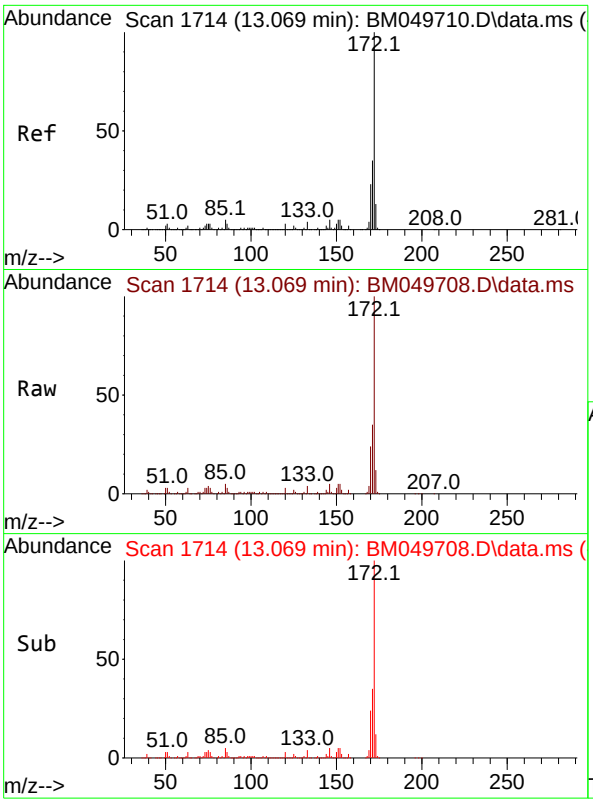


#44
2,4,5-Trichlorophenol
Concen: 8.585 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:196 Resp: 122162

Ion	Ratio	Lower	Upper
196	100		
198	98.7	76.7	115.1
97	44.8	32.9	49.3
132	21.5	16.8	25.2

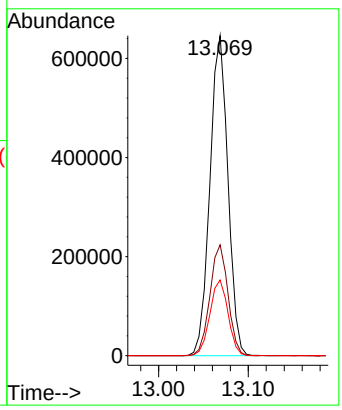




#45
2-Fluorobiphenyl
Concen: 17.773 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:172 Resp: 89955

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.6	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
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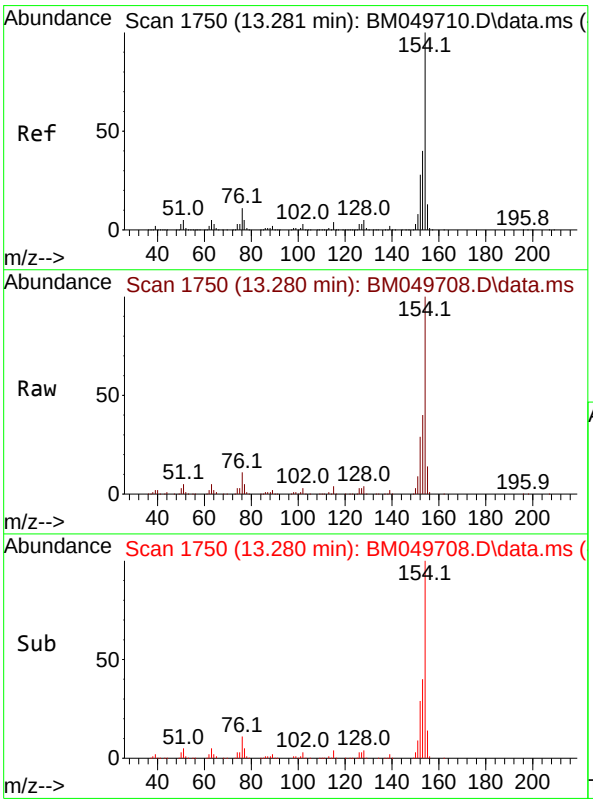
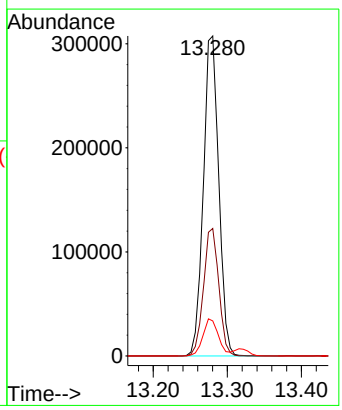
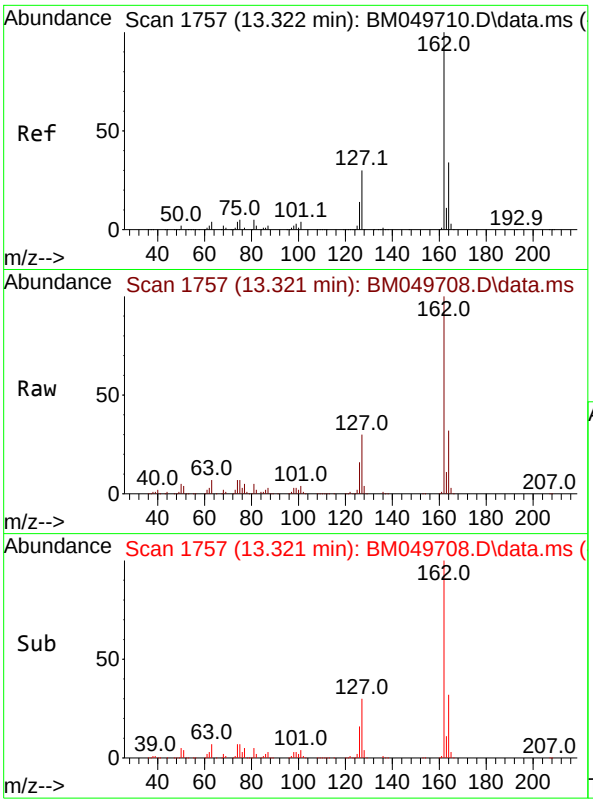


#46
1,1'-Biphenyl
Concen: 9.078 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:154 Resp: 443501

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.7	59.7
76	10.9	0.0	31.2

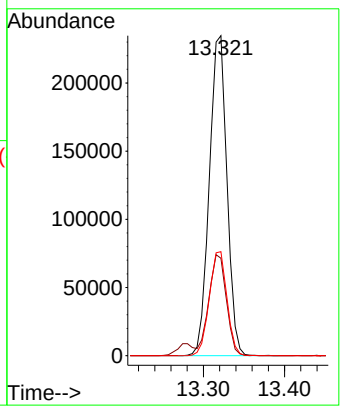




#47
2-Chloronaphthalene
Concen: 9.294 ng
RT: 13.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:162 Resp: 35340

Ion	Ratio	Lower	Upper
162	100		
127	30.5	25.8	38.6
164	32.5	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
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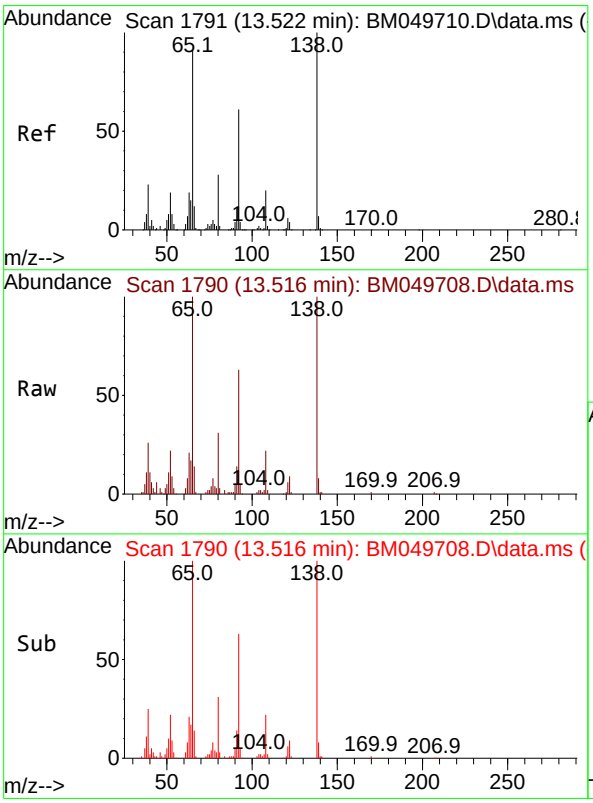
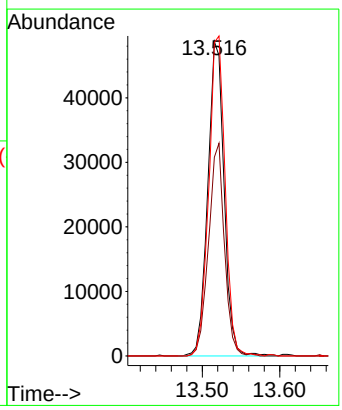
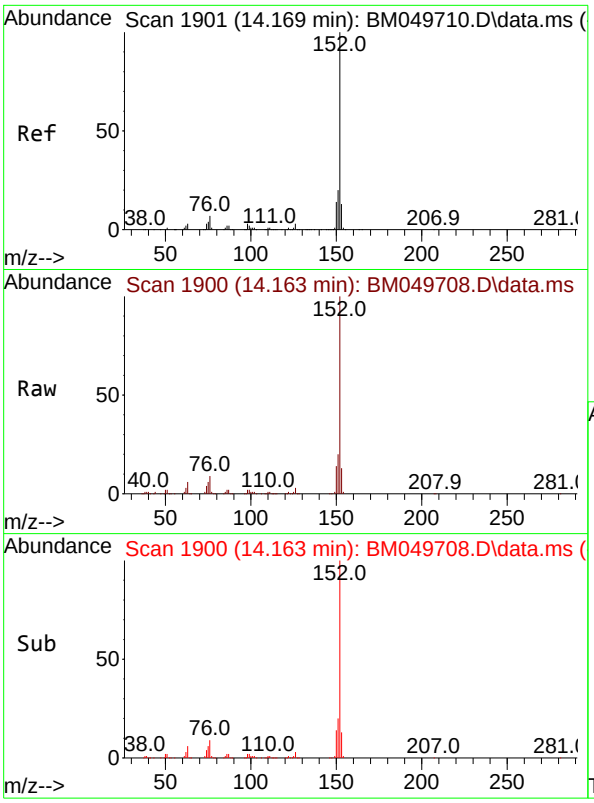


#48
2-Nitroaniline
Concen: 8.352 ng
RT: 13.516 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 65 Resp: 71291

Ion	Ratio	Lower	Upper
65	100		
92	63.2	53.4	80.2
138	99.6	87.6	131.4

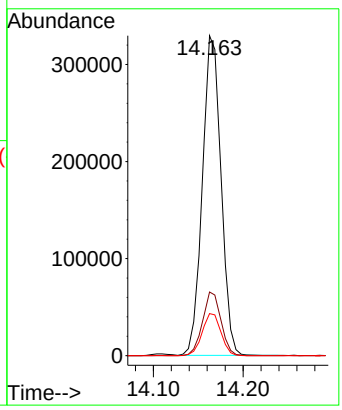




#49
Acenaphthylene
Concen: 8.955 ng
RT: 14.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:152 Resp: 47598

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.2	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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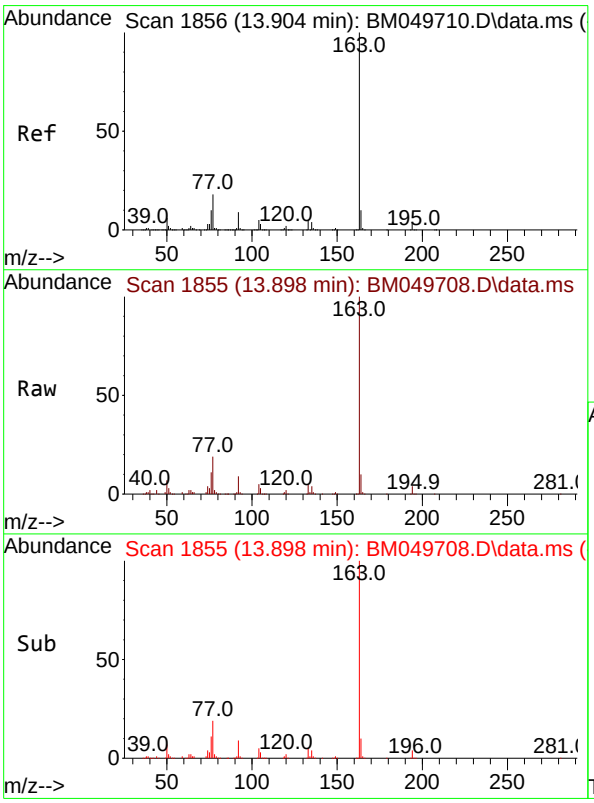
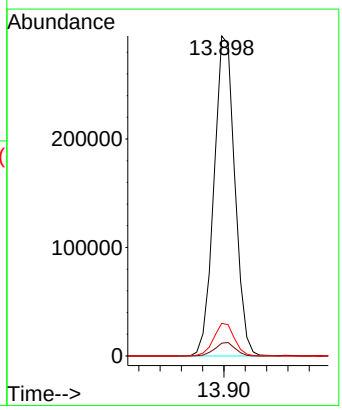
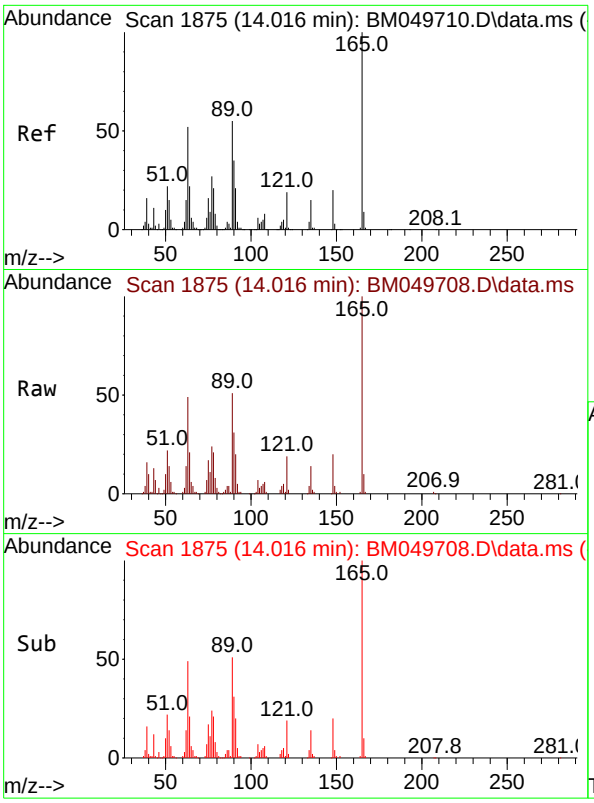


#50
Dimethylphthalate
Concen: 9.164 ng
RT: 13.898 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:163 Resp: 399925

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 8.924 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:165 Resp: 7803

Ion	Ratio	Lower	Upper
165	100		
63	48.9	42.3	63.5
89	51.1	43.9	65.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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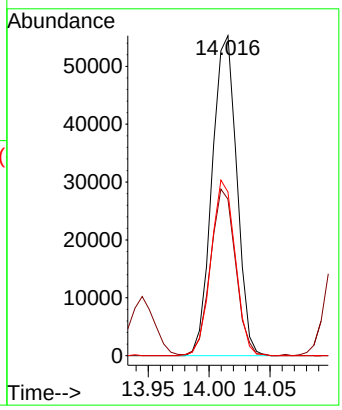
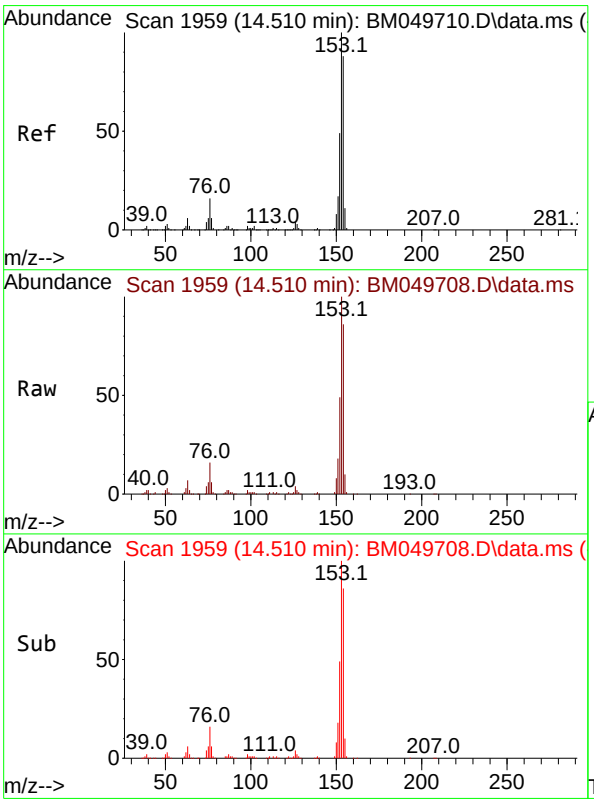
Supervised By :Jagrut Upadhyay 03/14/2025

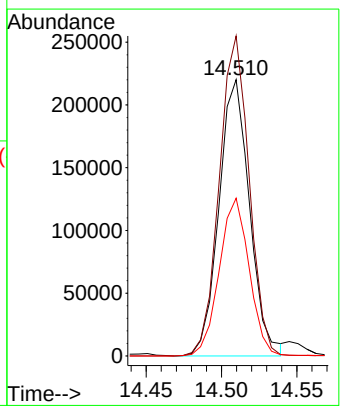


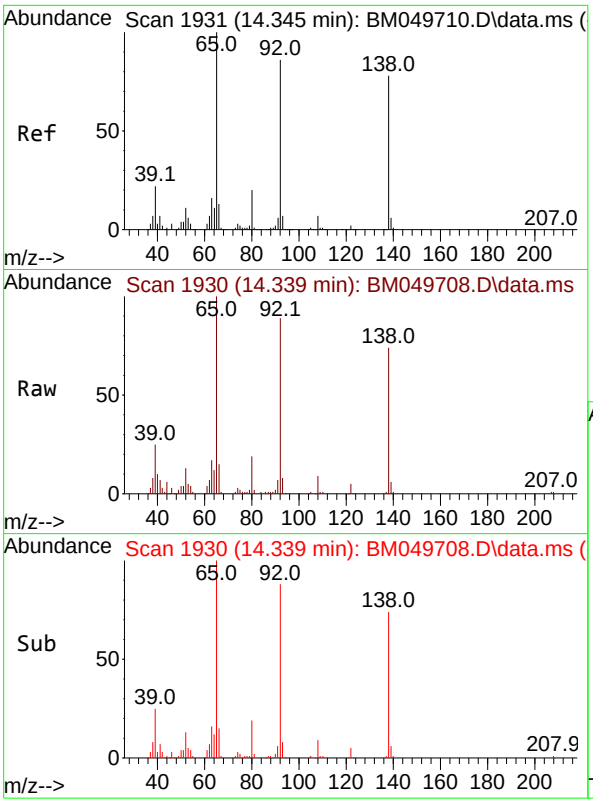


#52
Acenaphthene
Concen: 8.966 ng m
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:154 Resp: 312188

Ion	Ratio	Lower	Upper
154	100		
153	115.8	90.4	135.6
152	57.1	44.2	66.2

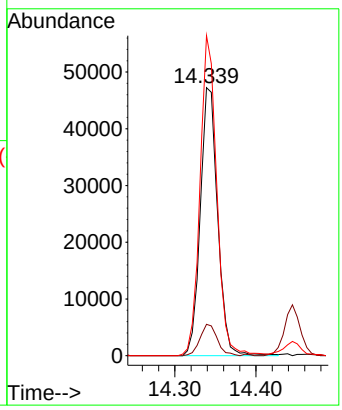




#53
3-Nitroaniline
Concen: 8.437 ng
RT: 14.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:138 Resp: 7020

Ion	Ratio	Lower	Upper
138	100		
108	11.7	7.5	11.3
92	119.4	88.0	132.0



Instrument :
BNA_M
ClientSampleId :
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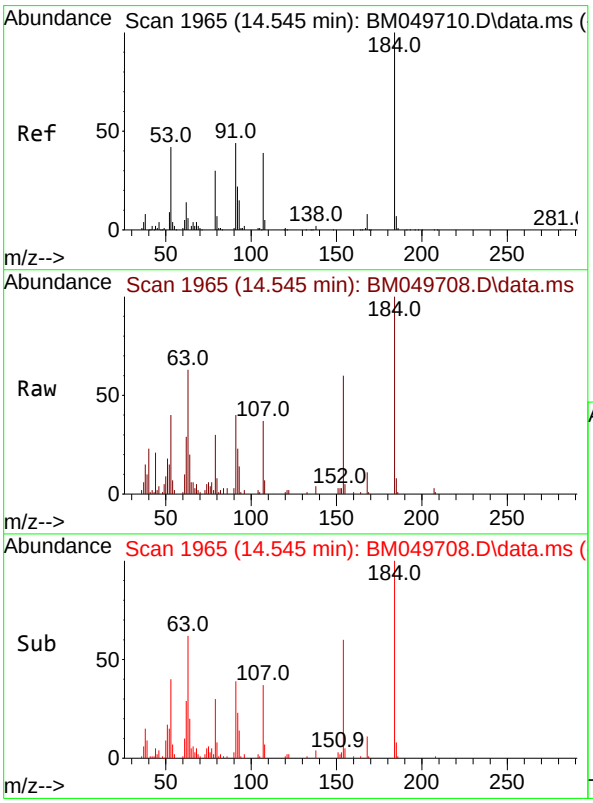
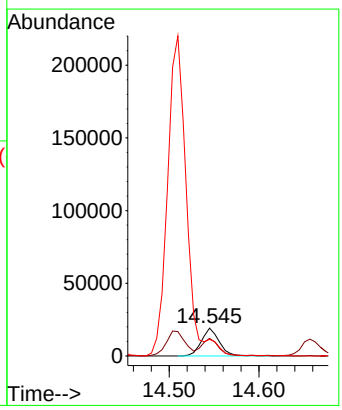
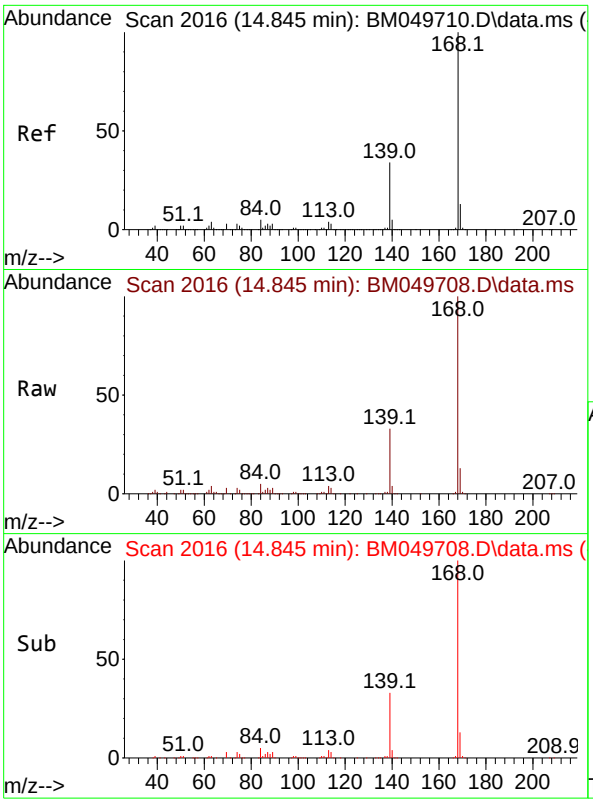


#54
2,4-Dinitrophenol
Concen: 10.075 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:184 Resp: 26403

Ion	Ratio	Lower	Upper
184	100		
63	63.3	47.2	70.8
154	59.5	49.9	74.9

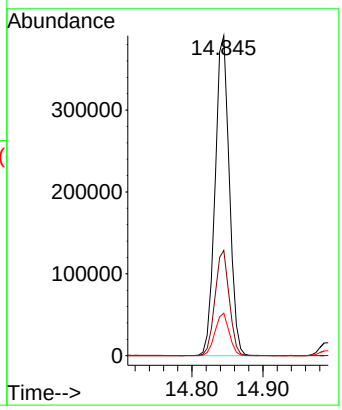




#55
Dibenzofuran
Concen: 9.304 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:168 Resp: 540494

Ion	Ratio	Lower	Upper
168	100		
139	32.9	27.4	41.0
169	13.3	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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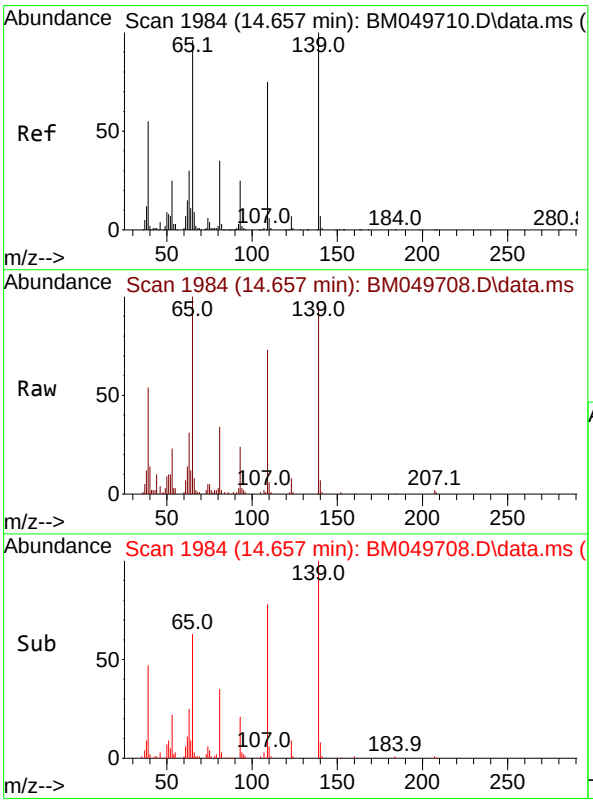
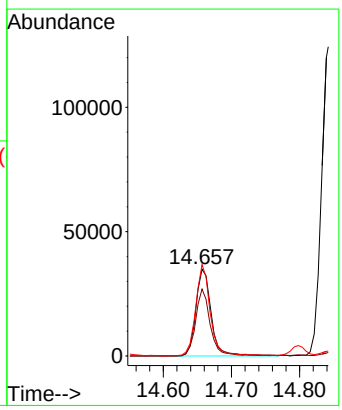
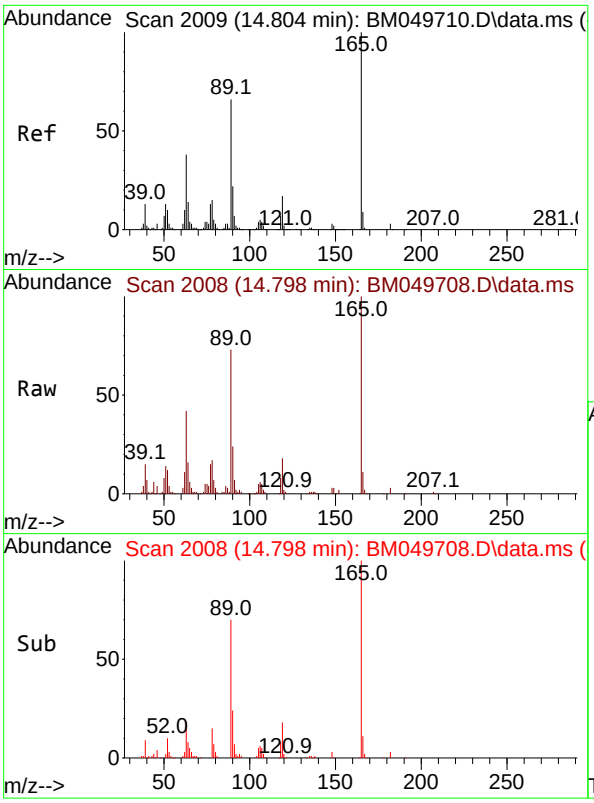


#56
4-Nitrophenol
Concen: 7.522 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:139 Resp: 54482

Ion	Ratio	Lower	Upper
139	100		
109	77.1	54.7	94.7
65	105.3	76.2	116.2

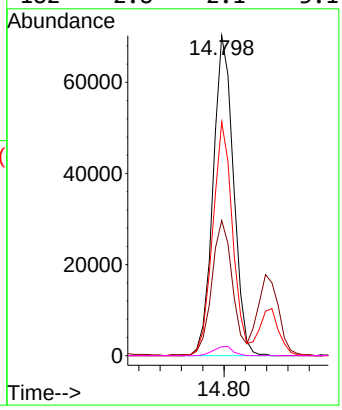




#57
2,4-Dinitrotoluene
Concen: 8.273 ng
RT: 14.798 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:165 Resp: 9308

Ion	Ratio	Lower	Upper
165	100		
63	42.3	30.8	46.2
89	73.1	53.1	79.7
182	2.8	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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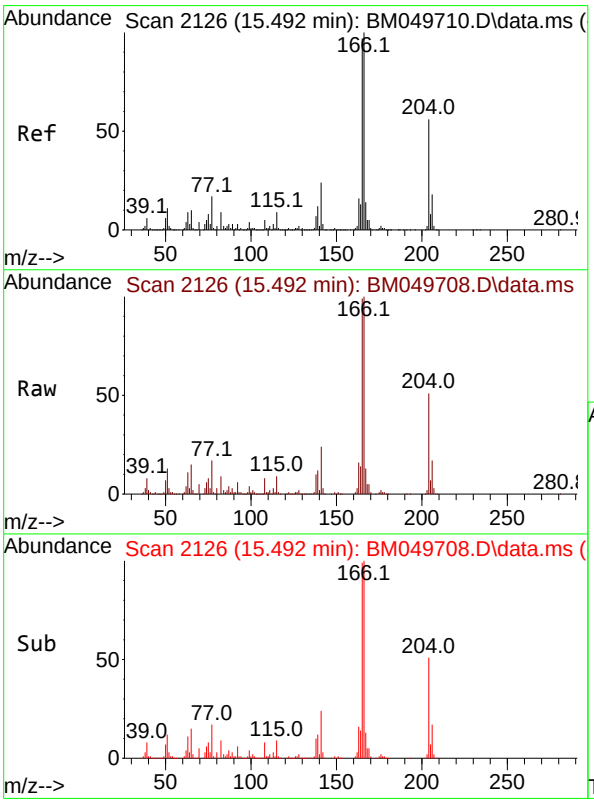
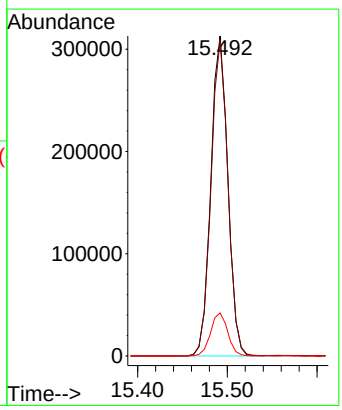
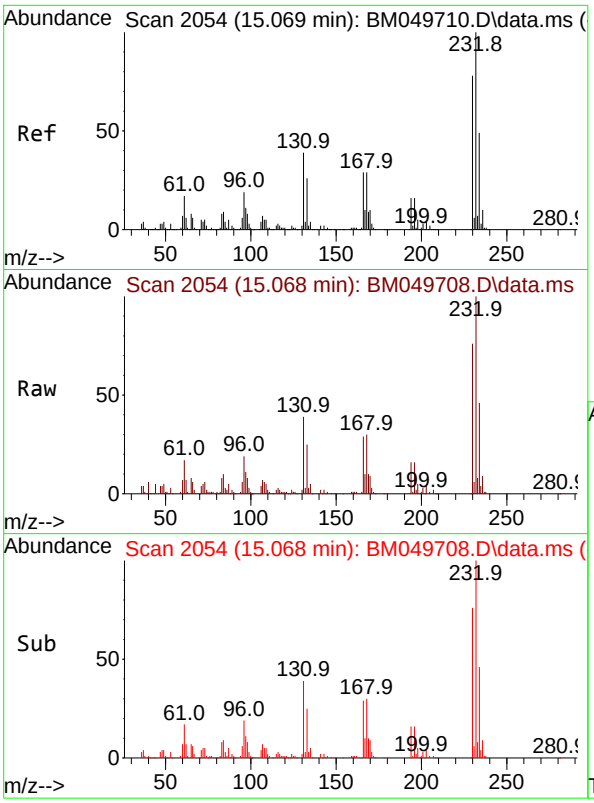


#58
Fluorene
Concen: 8.692 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:166 Resp: 411120

Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.5	116.3
167	13.5	10.9	16.3

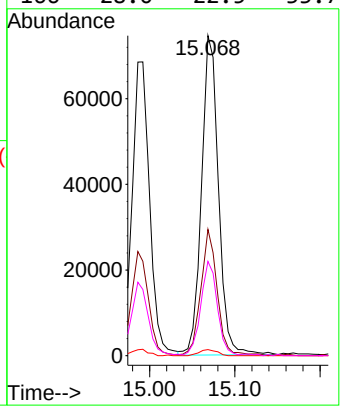




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.660 ng
RT: 15.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:232 Resp: 10315

Ion	Ratio	Lower	Upper
232	100		
131	38.3	30.0	45.0
130	2.0	1.6	2.4
166	28.0	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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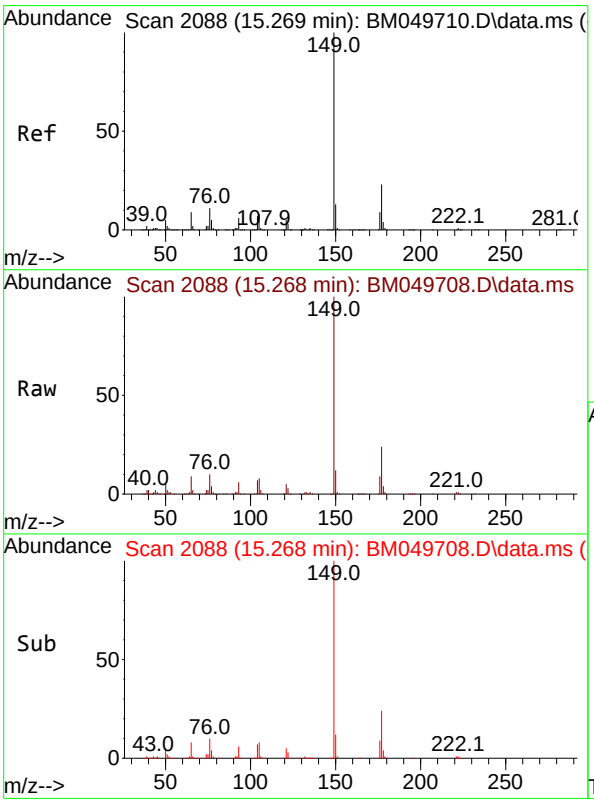
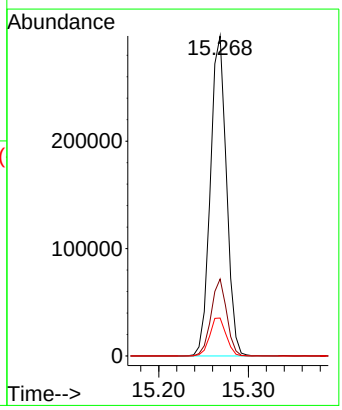
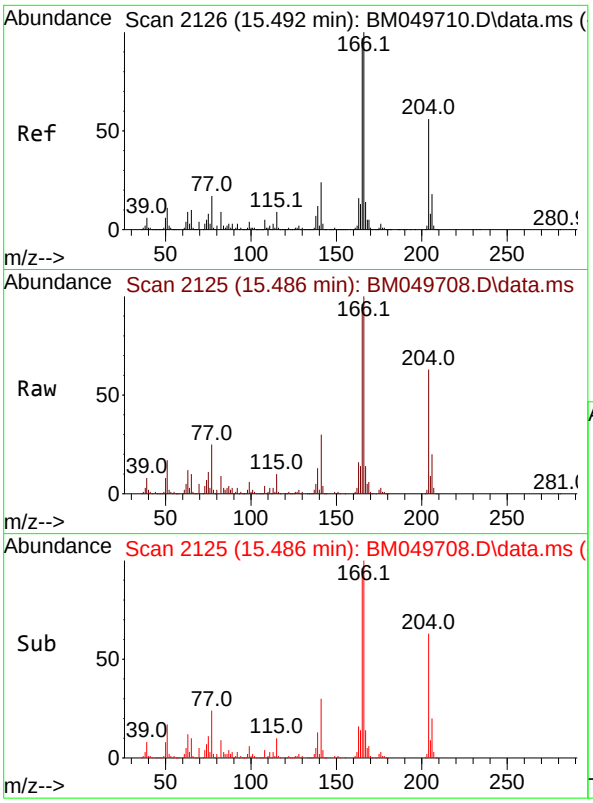


#60
Diethylphthalate
Concen: 9.021 ng
RT: 15.268 min Scan# 2088
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 370777

Ion	Ratio	Lower	Upper
149	100		
177	24.0	18.2	27.2
150	11.9	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 8.610 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:204 Resp: 22237

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.2	37.8
141	48.0	34.5	51.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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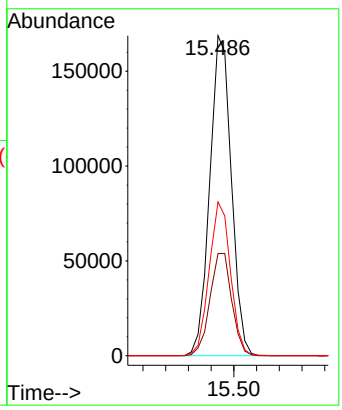
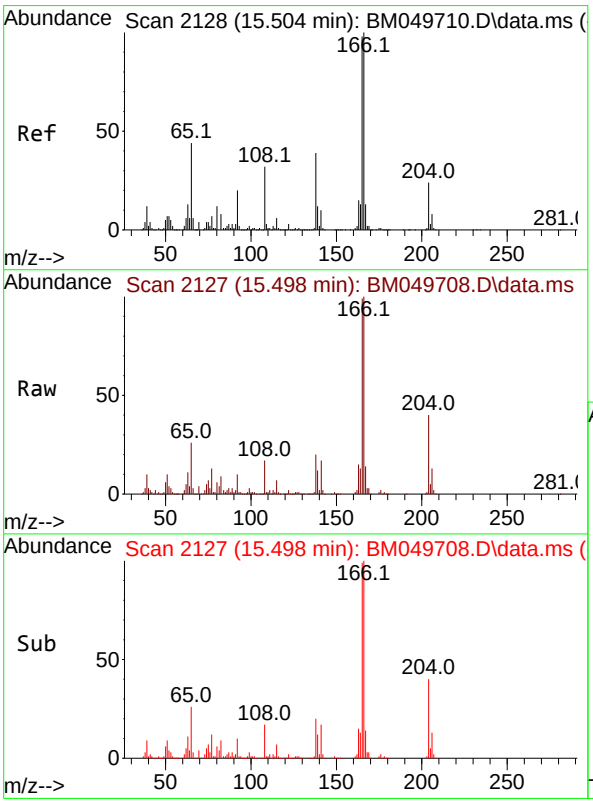
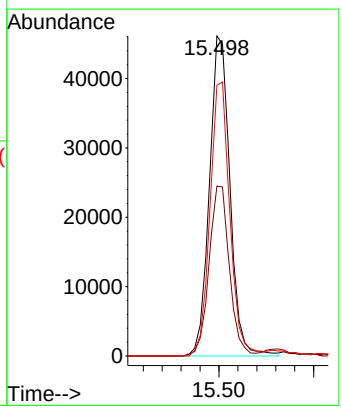


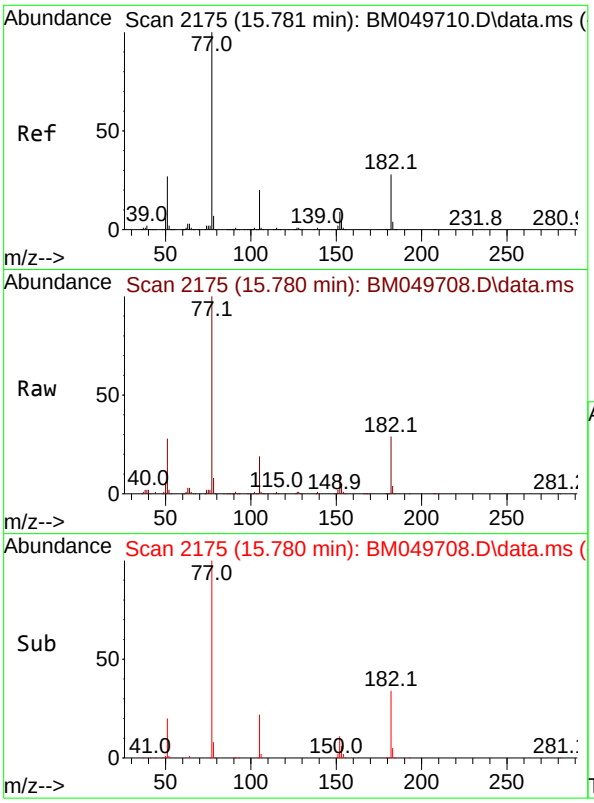


#62
4-Nitroaniline
Concen: 10.227 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:138 Resp: 69493

Ion	Ratio	Lower	Upper
138	100		
92	53.1	29.8	69.8
108	84.6	61.3	101.3

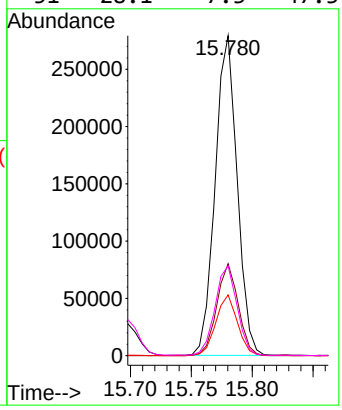




#63
Azobenzene
Concen: 8.951 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 77 Resp: 35141

Ion	Ratio	Lower	Upper
77	100		
182	28.7	8.0	48.0
105	19.0	0.0	40.0
51	28.1	7.3	47.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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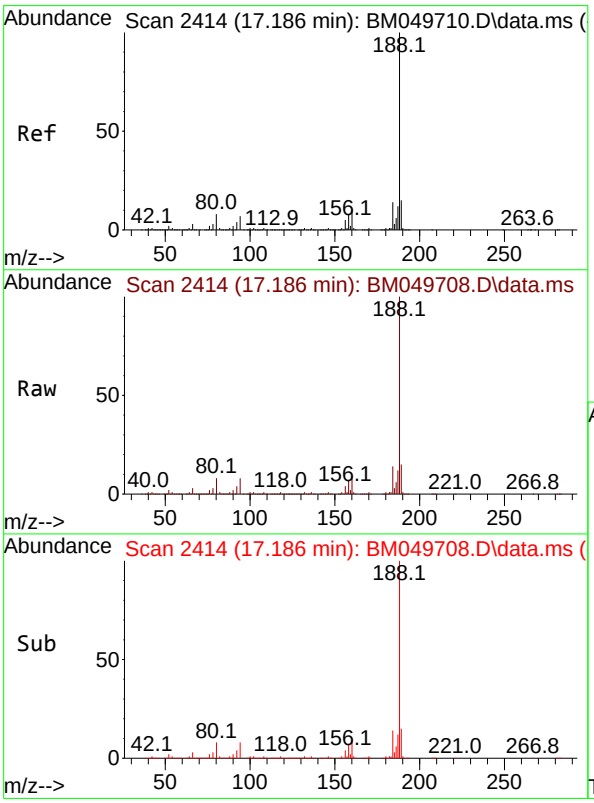
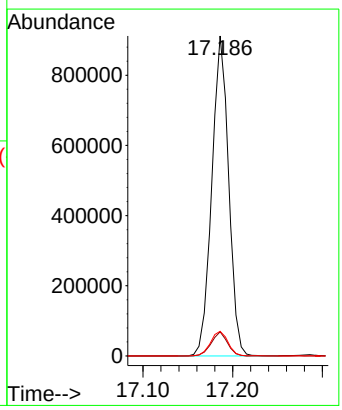
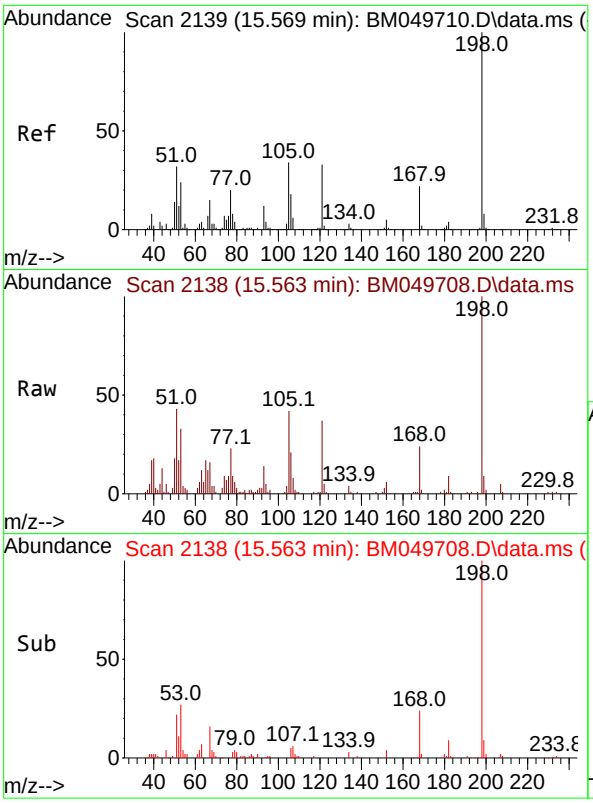


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:188 Resp: 1188953

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.7	6.3	9.5





#65
4,6-Dinitro-2-methylphenol
Concen: 10.052 ng
RT: 15.563 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:198 Resp: 3973

Ion	Ratio	Lower	Upper
198	100		
51	42.5	13.8	53.8
105	42.0	14.0	54.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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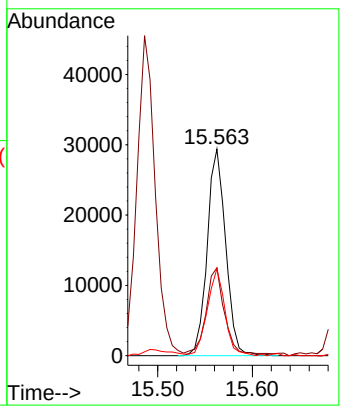
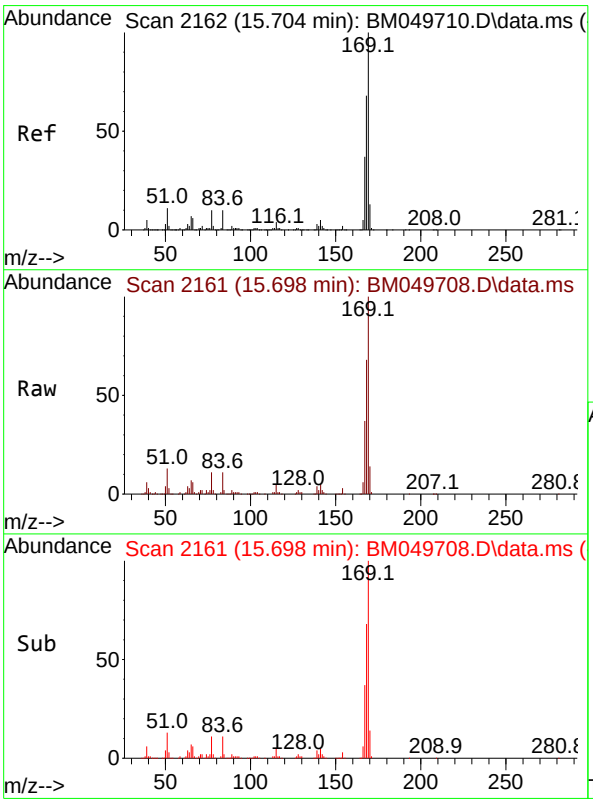
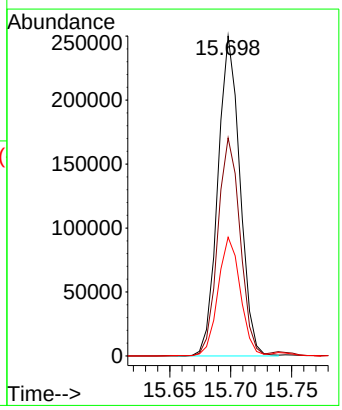


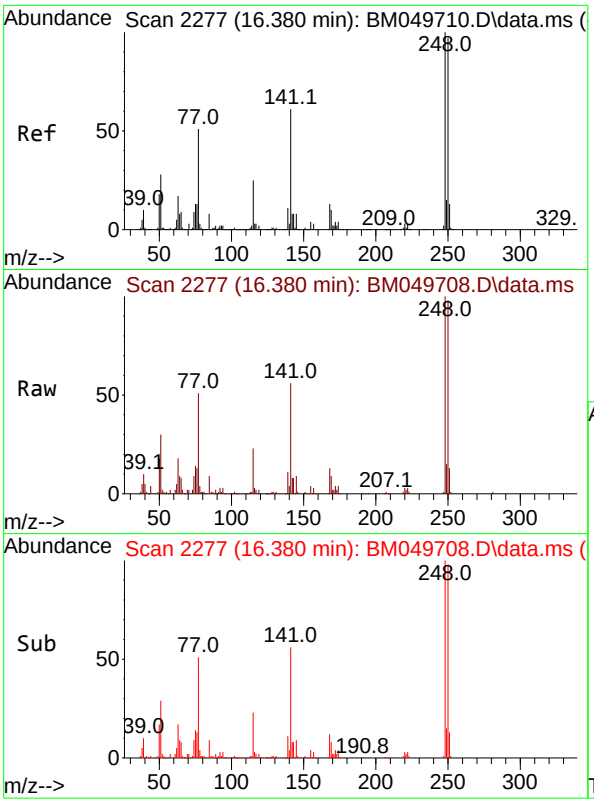


#66
n-Nitrosodiphenylamine
Concen: 8.754 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:169 Resp: 315359

Ion	Ratio	Lower	Upper
169	100		
168	68.2	54.8	82.2
167	37.1	29.9	44.9





#67
4-Bromophenyl-phenylether
Concen: 8.716 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:248 Resp: 11964

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.9	116.9
141	56.2	48.6	73.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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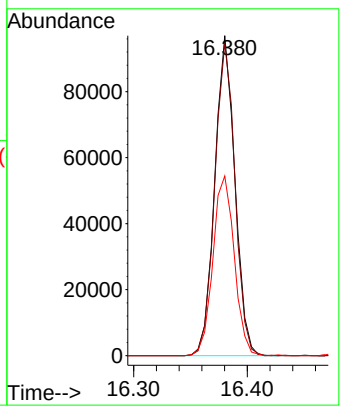
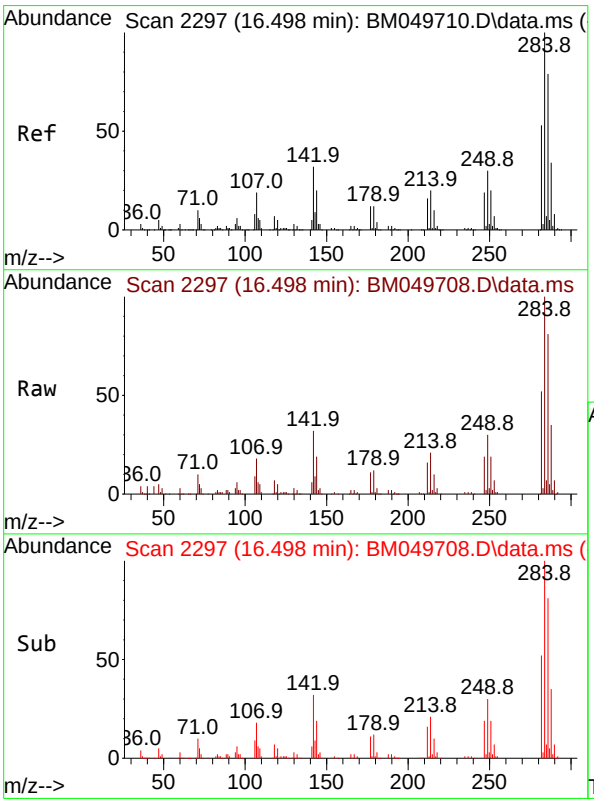
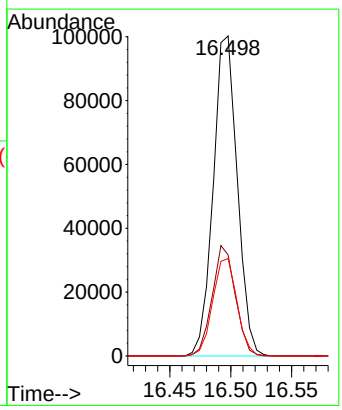


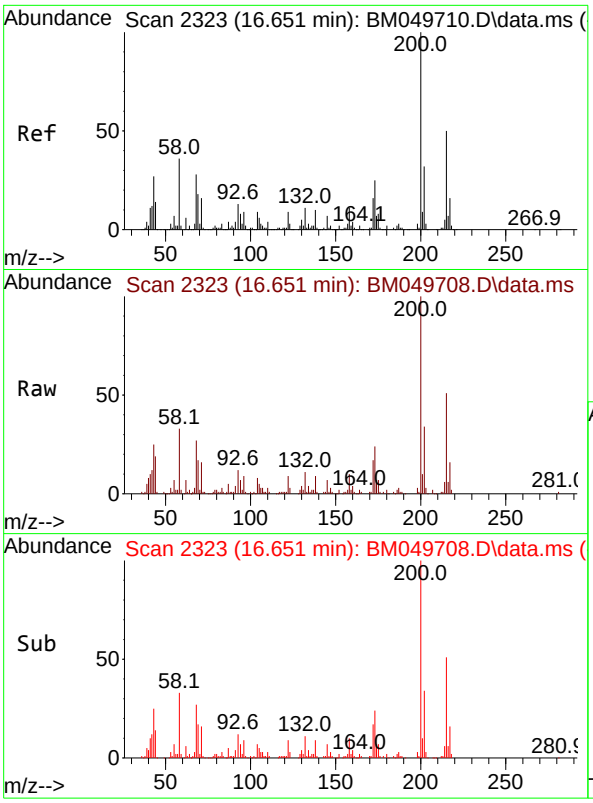


#68
Hexachlorobenzene
Concen: 8.933 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:284 Resp: 137892

Ion	Ratio	Lower	Upper
284	100		
142	31.6	25.5	38.3
249	30.5	24.2	36.2

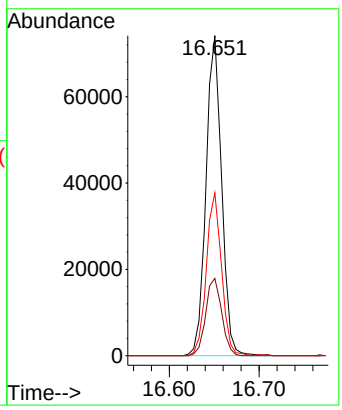




#69
Atrazine
Concen: 11.298 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:200 Resp: 8969

Ion	Ratio	Lower	Upper
200	100		
173	24.2	5.4	45.4
215	50.9	29.8	69.8



Instrument :
BNA_M
ClientSampleId :
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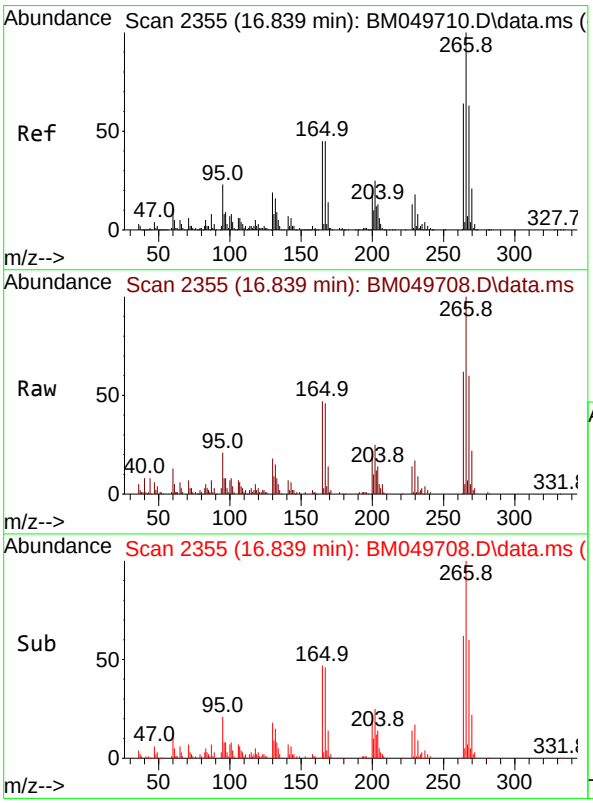
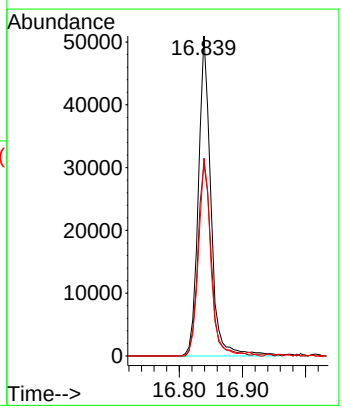
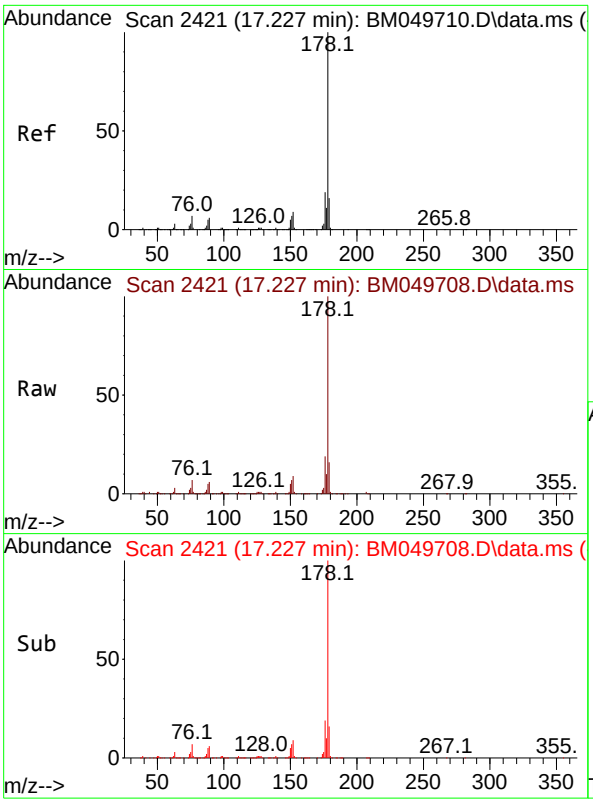


#70
Pentachlorophenol
Concen: 7.217 ng
RT: 16.839 min Scan# 2355
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:266 Resp: 70011

Ion	Ratio	Lower	Upper
266	100		
268	60.1	50.2	75.2
264	61.8	51.3	76.9





#71
Phenanthrene
Concen: 9.010 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:178 Resp: 59483

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.6	12.5	18.7

Instrument :
BNA_M
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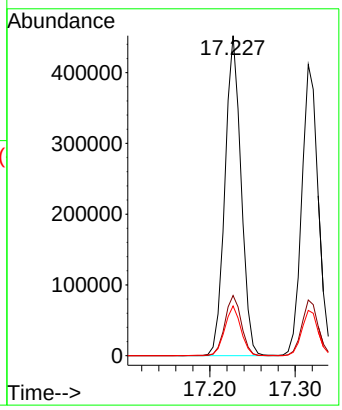
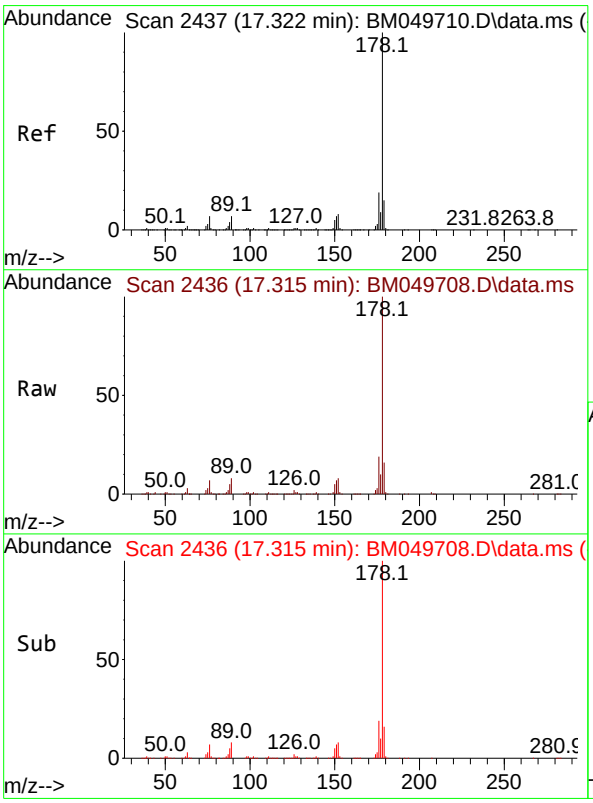
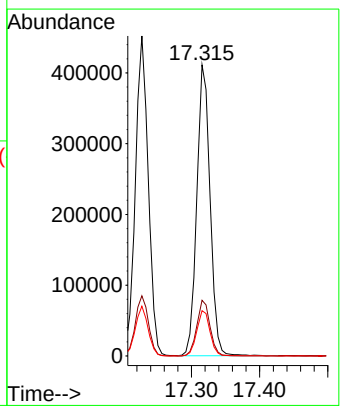


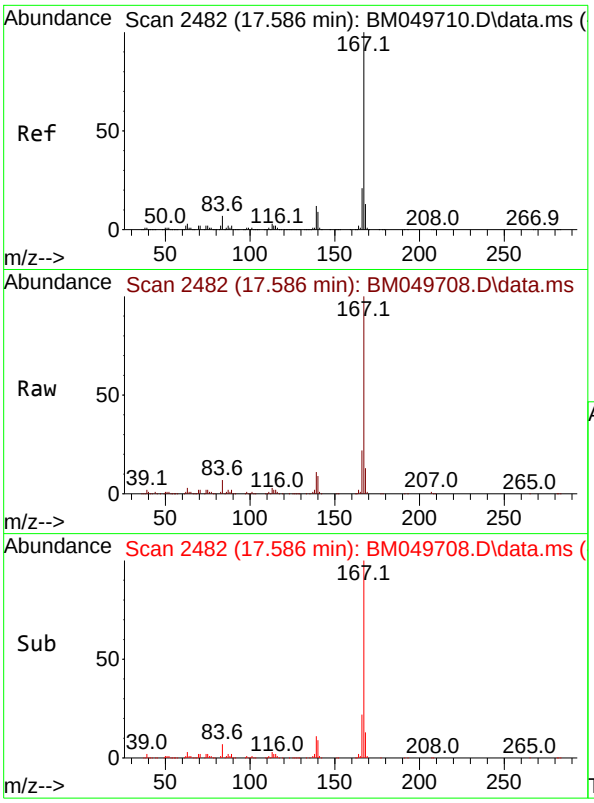


#72
Anthracene
Concen: 8.673 ng
RT: 17.315 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:178 Resp: 554514

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.6	12.4	18.6

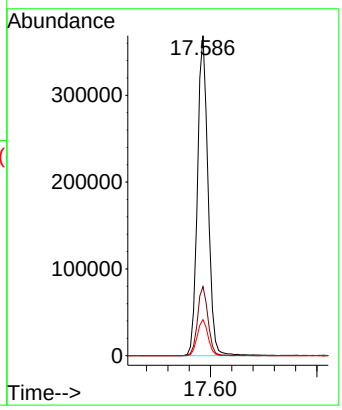




#73
Carbazole
Concen: 8.778 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:167 Resp: 50826

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.3	9.4	14.2



Instrument :
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ClientSampleId :
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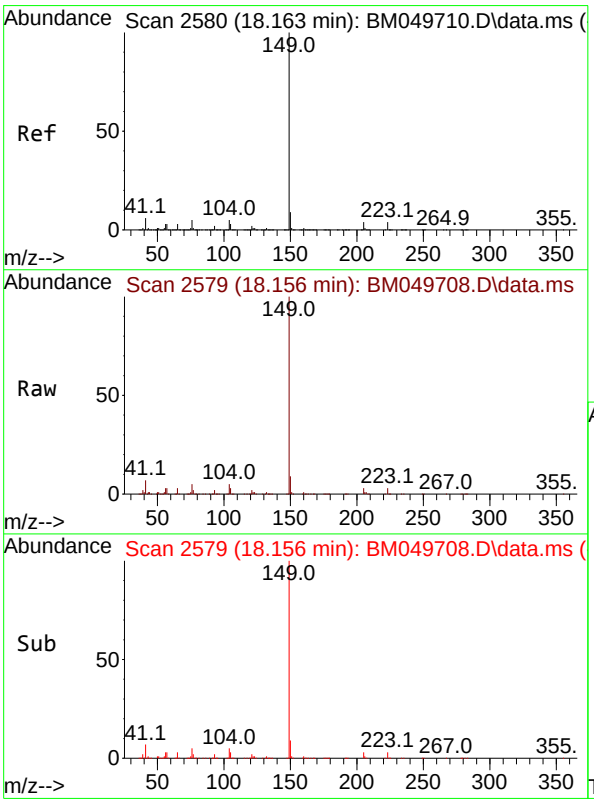
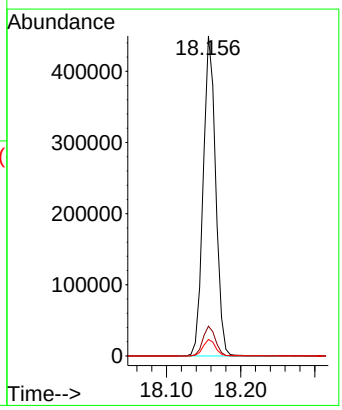
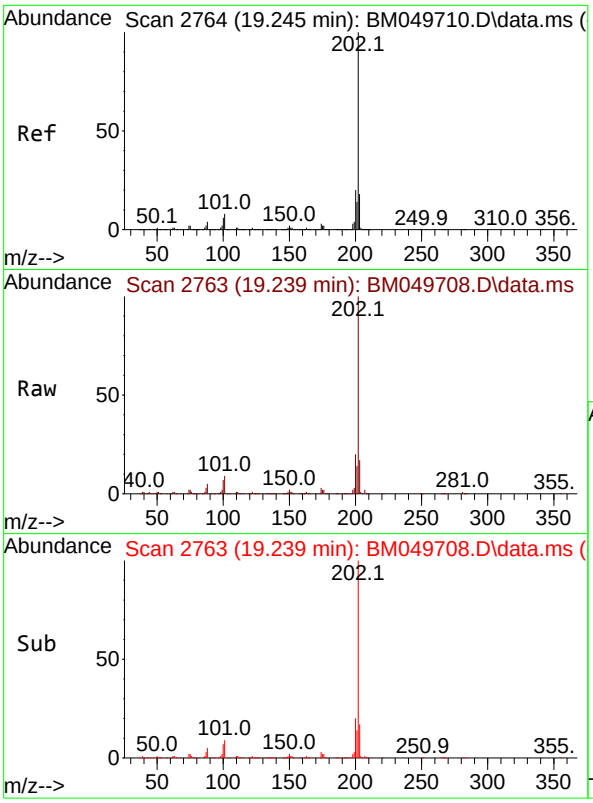


#74
Di-n-butylphthalate
Concen: 8.293 ng
RT: 18.156 min Scan# 2579
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 526299

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.2	3.9	5.9





#75
Fluoranthene
Concen: 8.288 ng
RT: 19.239 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:202 Resp: 62994

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	27.8
203	16.9	0.0	37.6

Instrument :
BNA_M
ClientSampleId :
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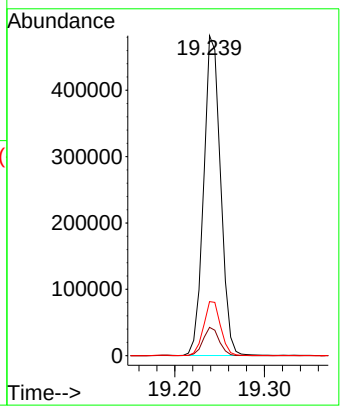
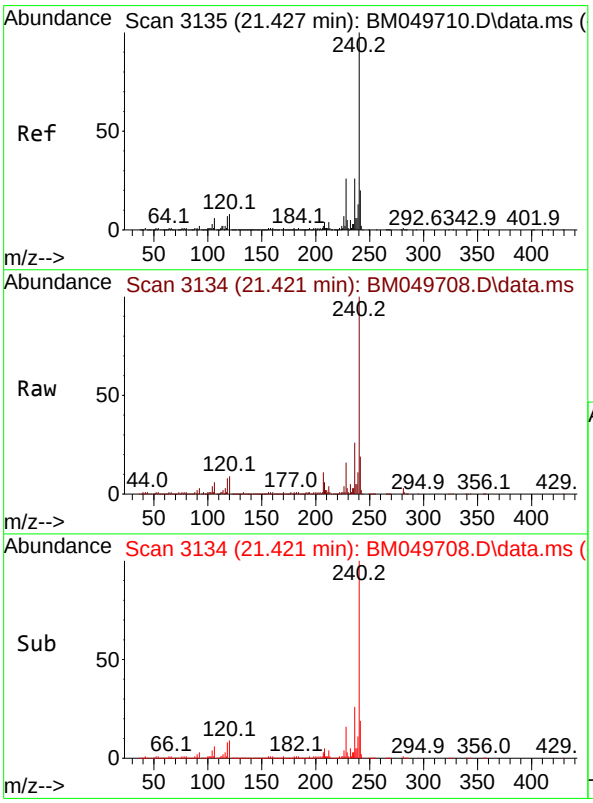
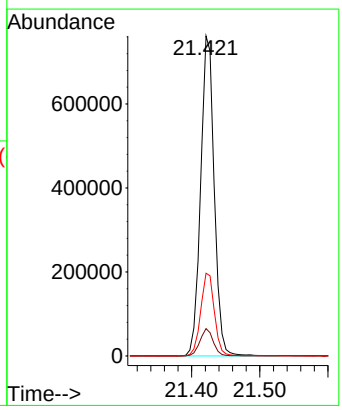


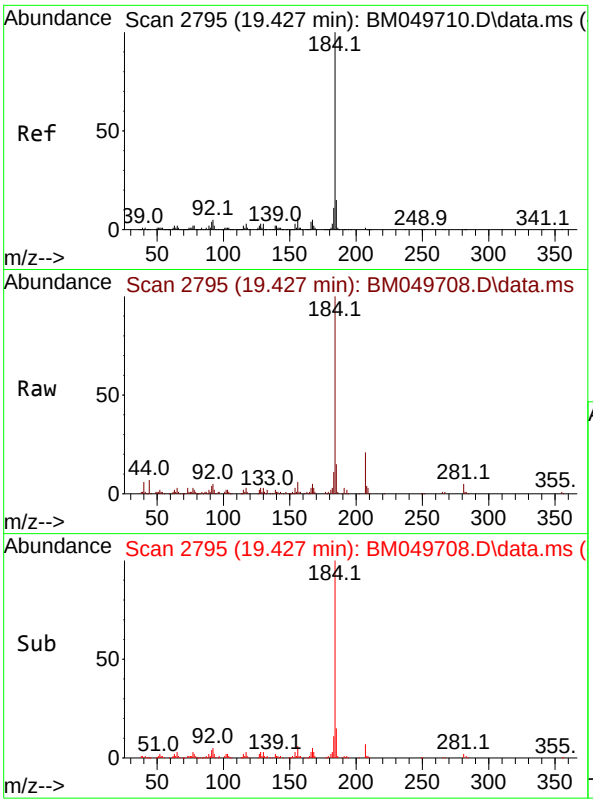


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:240 Resp: 1054297

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	25.9	20.7	31.1

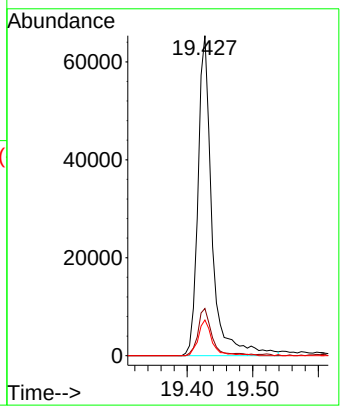




#77
Benzidine
Concen: 7.702 ng
RT: 19.427 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:184 Resp: 9755

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.7	17.5
183	11.2	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
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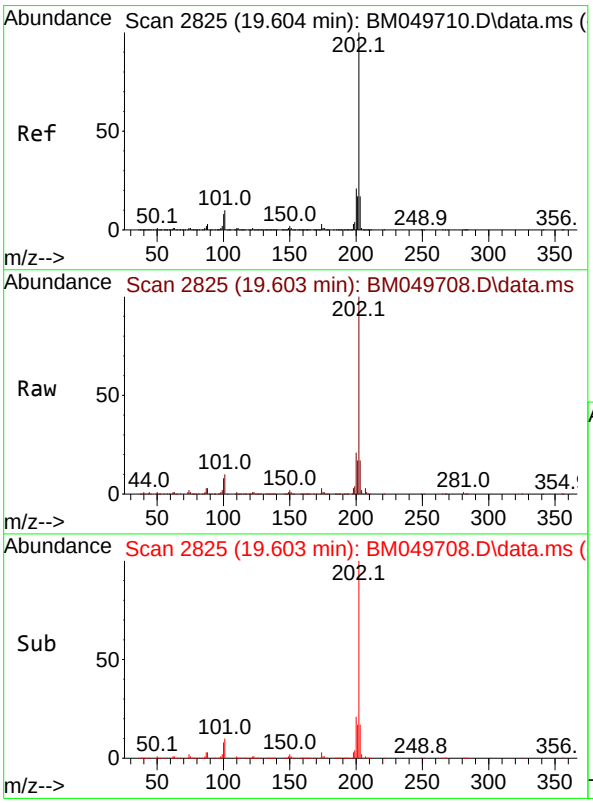
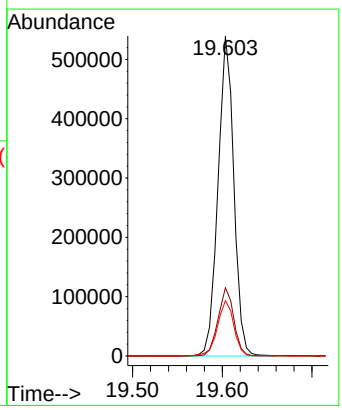
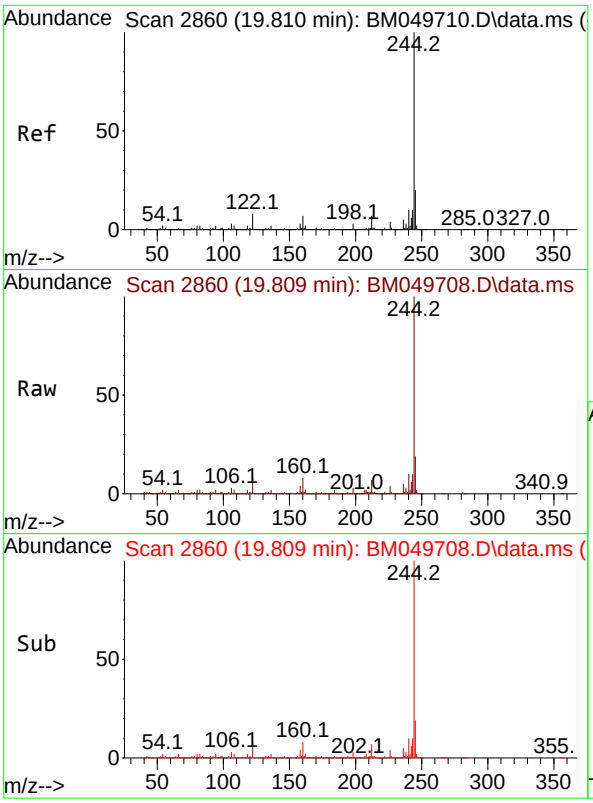


#78
Pyrene
Concen: 8.965 ng
RT: 19.603 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:202 Resp: 660354

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.3	14.0	21.0





#79
Terphenyl-d14
Concen: 17.210 ng
RT: 19.809 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:244 Resp: 107674

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	8.2	6.0	9.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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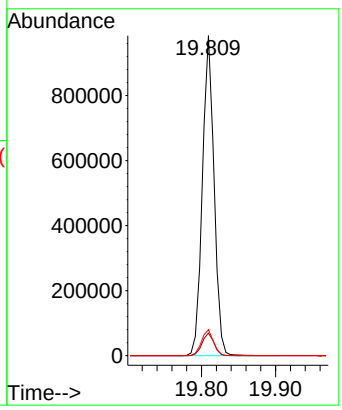
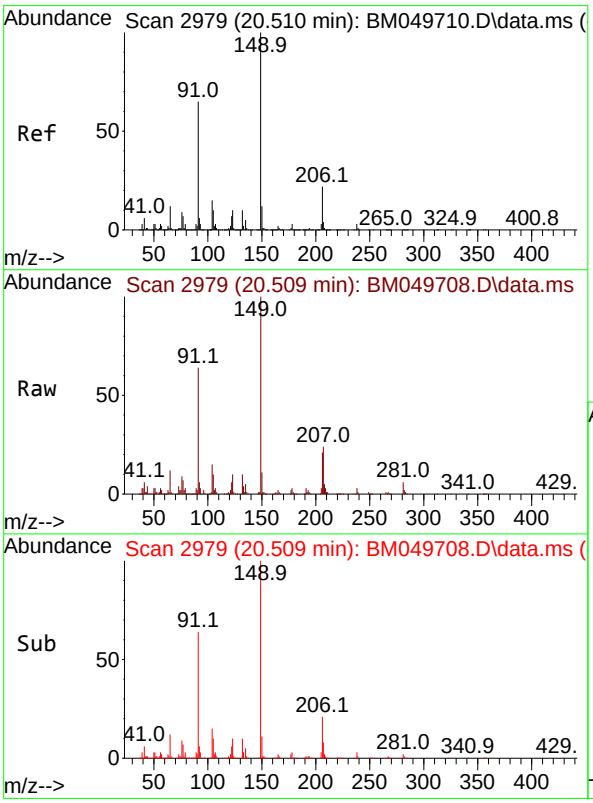
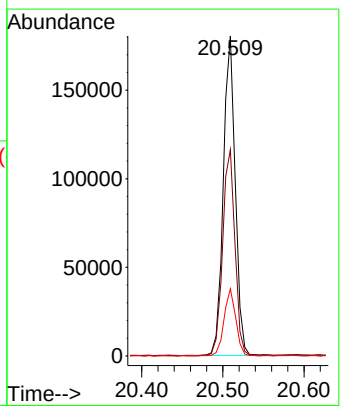


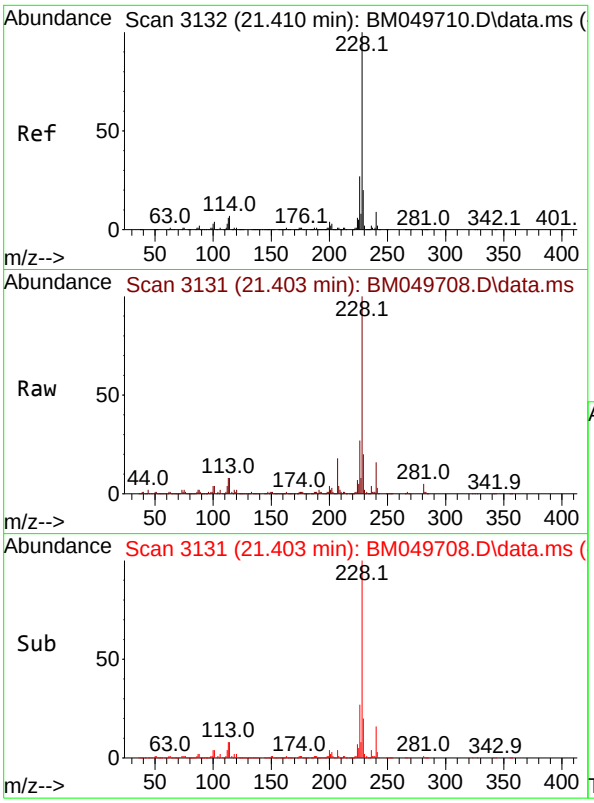


#80
Butylbenzylphthalate
Concen: 8.109 ng
RT: 20.509 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 185369

Ion	Ratio	Lower	Upper
149	100		
91	64.5	52.2	78.4
206	21.0	17.6	26.4

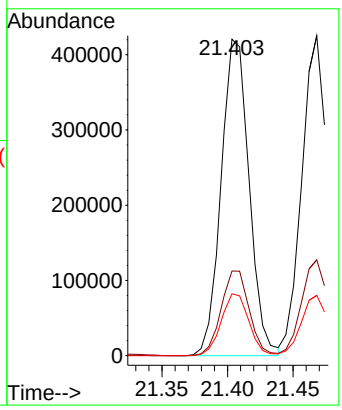




#81
Benzo(a)anthracene
Concen: 8.882 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:228 Resp: 62544

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.0	33.0
229	19.6	15.8	23.8



Instrument :
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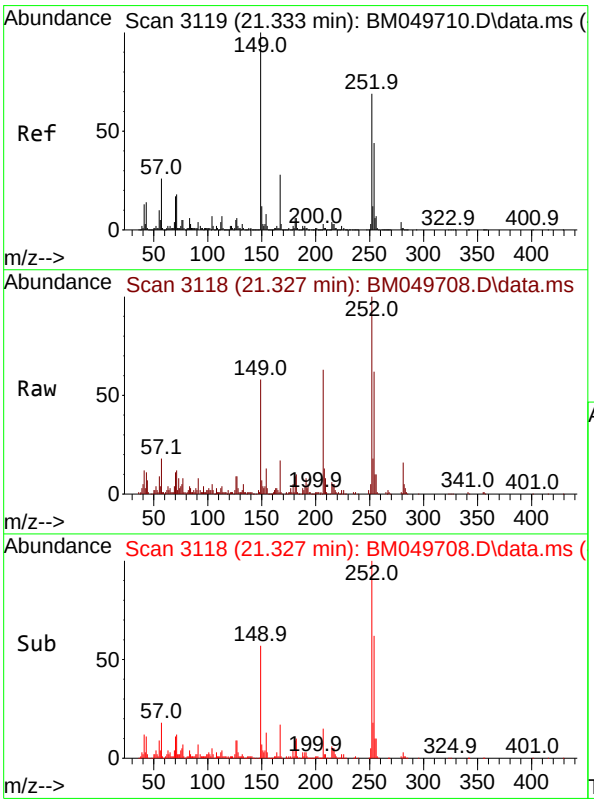
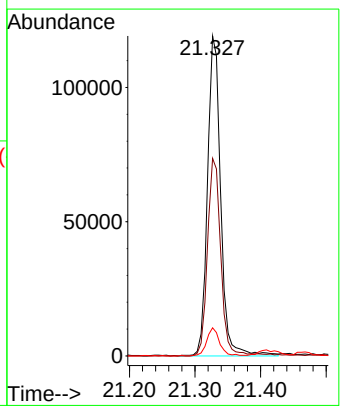
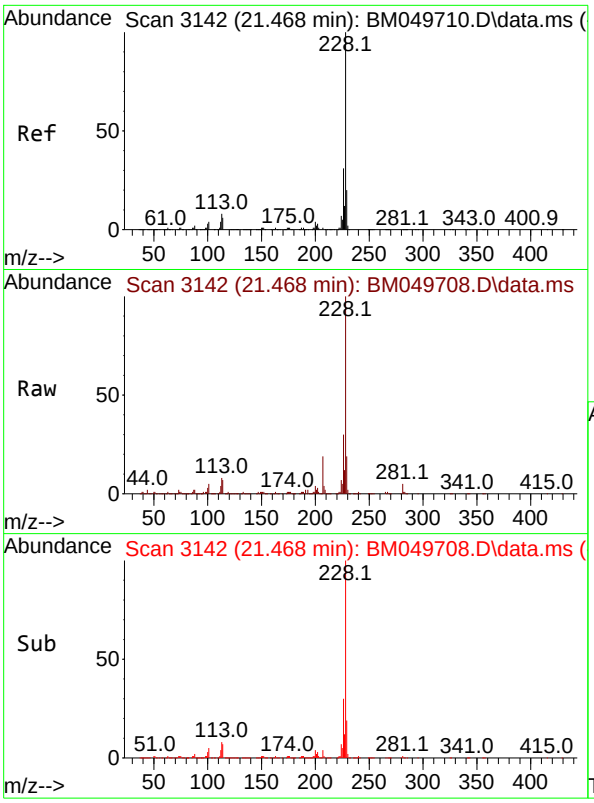


#82
3,3'-Dichlorobenzidine
Concen: 7.296 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:252 Resp: 167274

Ion	Ratio	Lower	Upper
252	100		
254	61.7	51.0	76.4
126	8.8	6.3	9.5

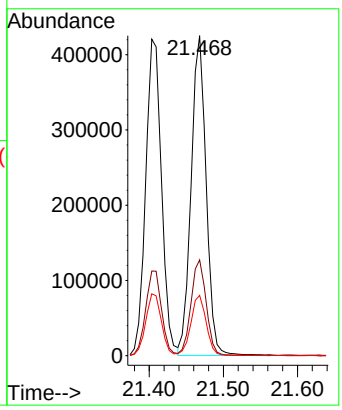




#83
Chrysene
Concen: 8.955 ng
RT: 21.468 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:228 Resp: 59777

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.5	36.7
229	18.8	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
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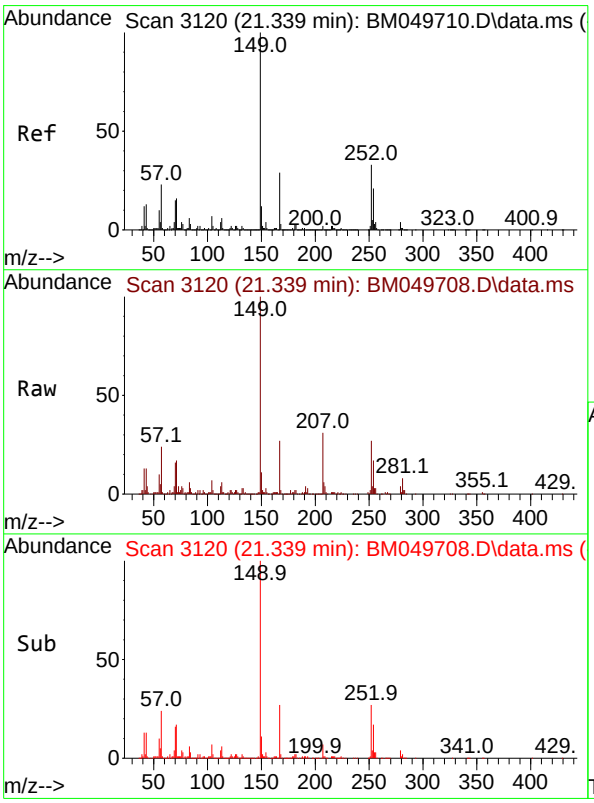
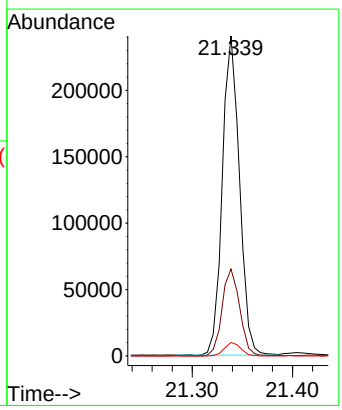
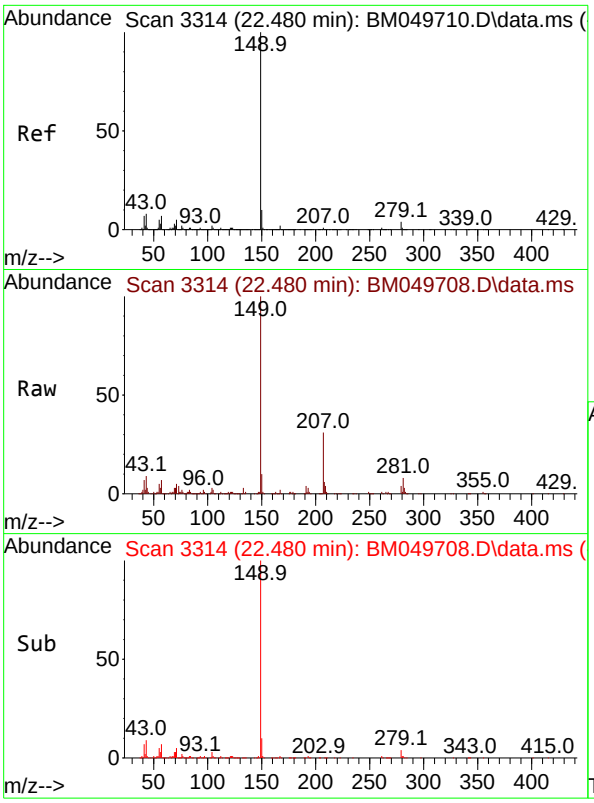


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.007 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 285266

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.9	34.3
279	4.2	3.5	5.3

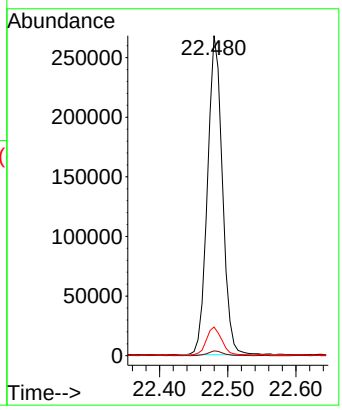




#85
Di-n-octyl phthalate
Concen: 7.365 ng
RT: 22.480 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 40781

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.0	6.8	10.2



Instrument :
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ClientSampleId :
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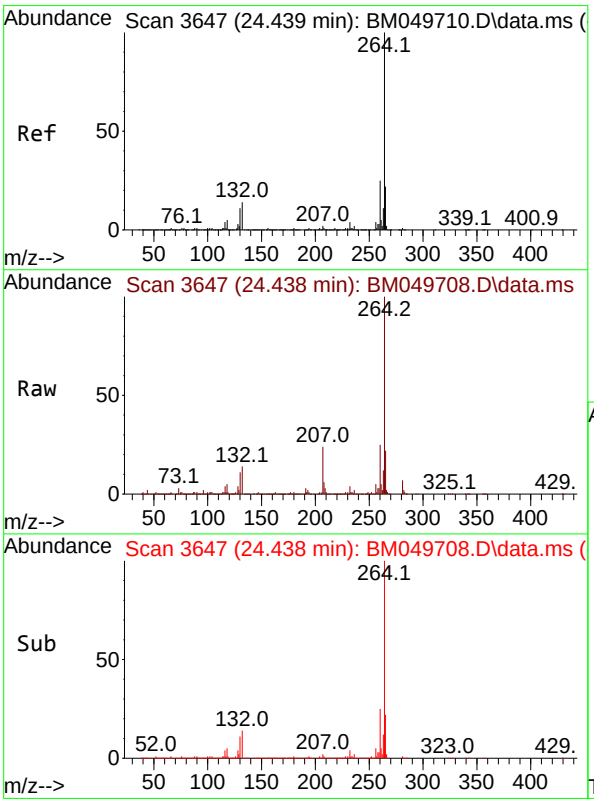
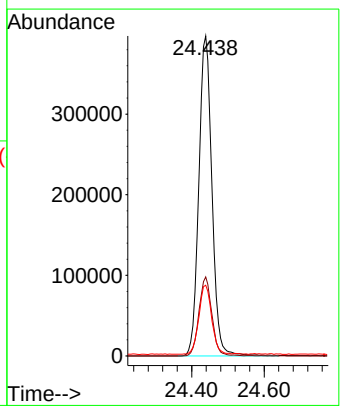
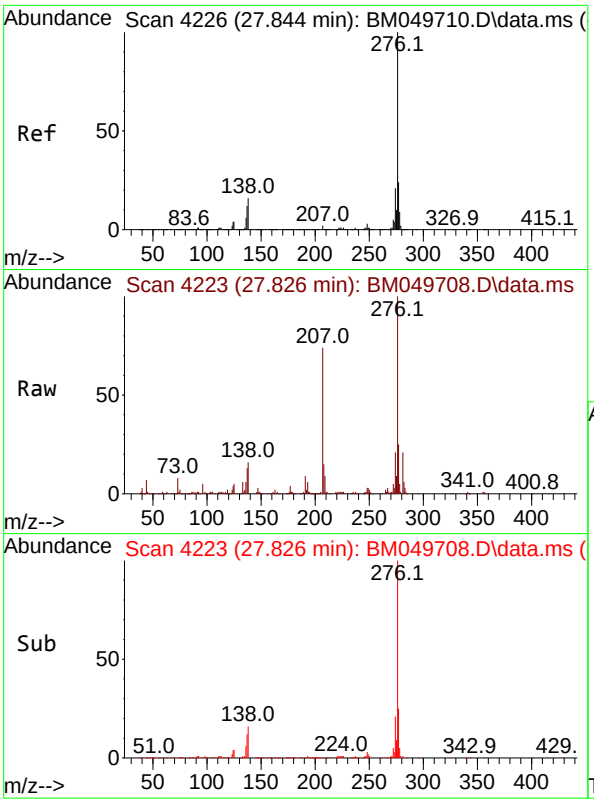


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.438 min Scan# 3647
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:264 Resp: 996325

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.1	18.2	27.2

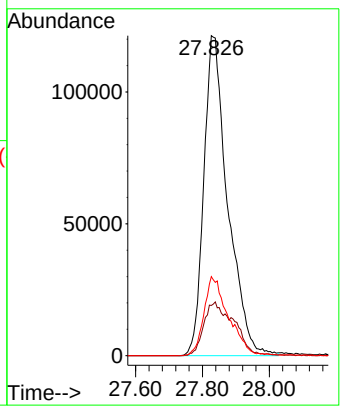




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.426 ng
RT: 27.826 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:276 Resp: 60421

Ion	Ratio	Lower	Upper
276	100		
138	21.2	16.3	24.5
277	25.1	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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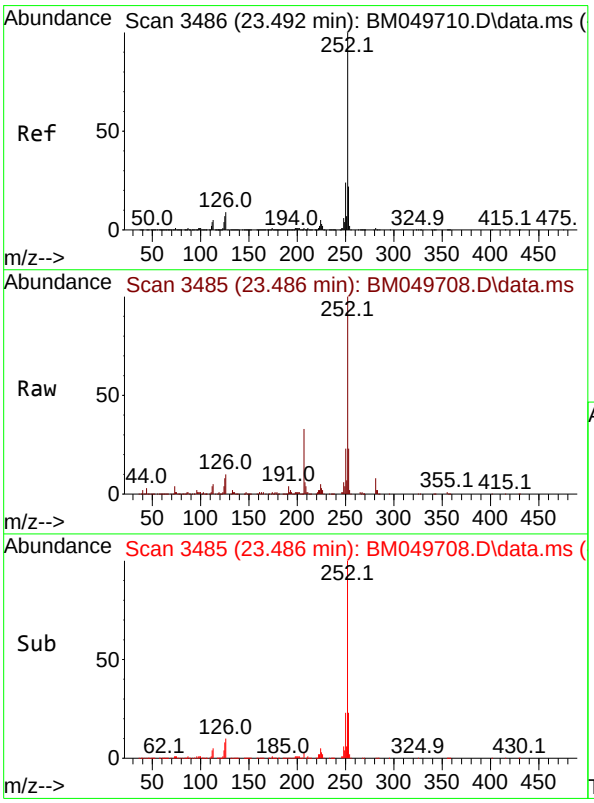
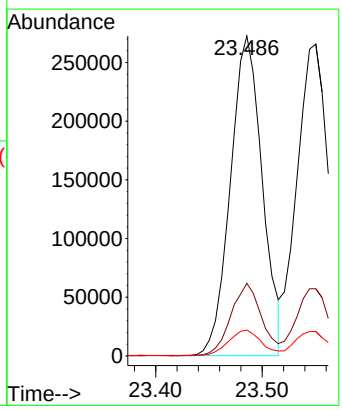
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

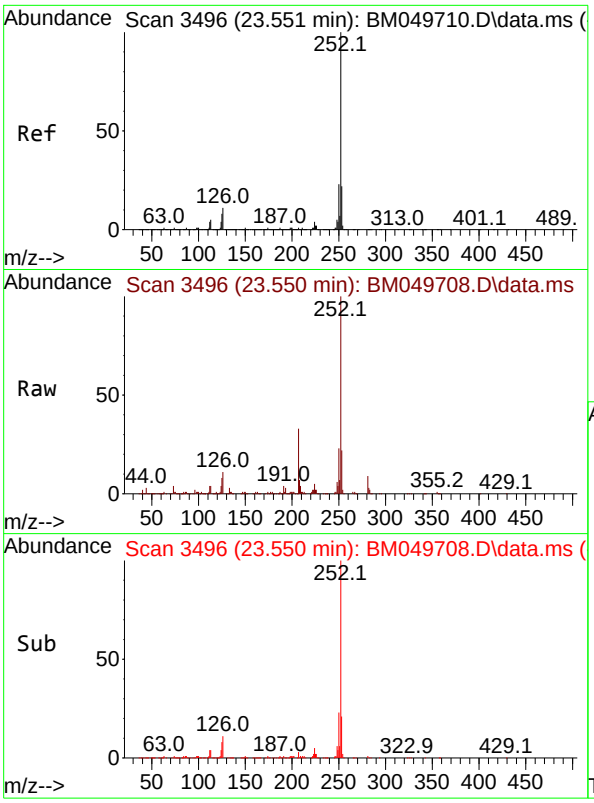


#88
Benzo(b)fluoranthene
Concen: 8.451 ng
RT: 23.486 min Scan# 3485
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:252 Resp: 567116

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	8.1	5.9	8.9

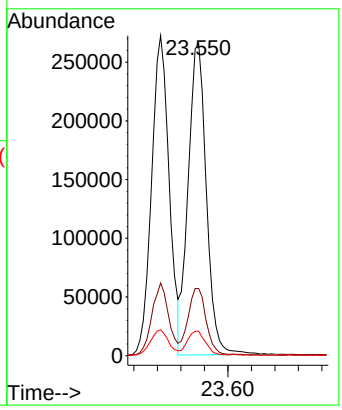




#89
Benzo(k)fluoranthene
Concen: 8.658 ng
RT: 23.550 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:252 Resp: 57170

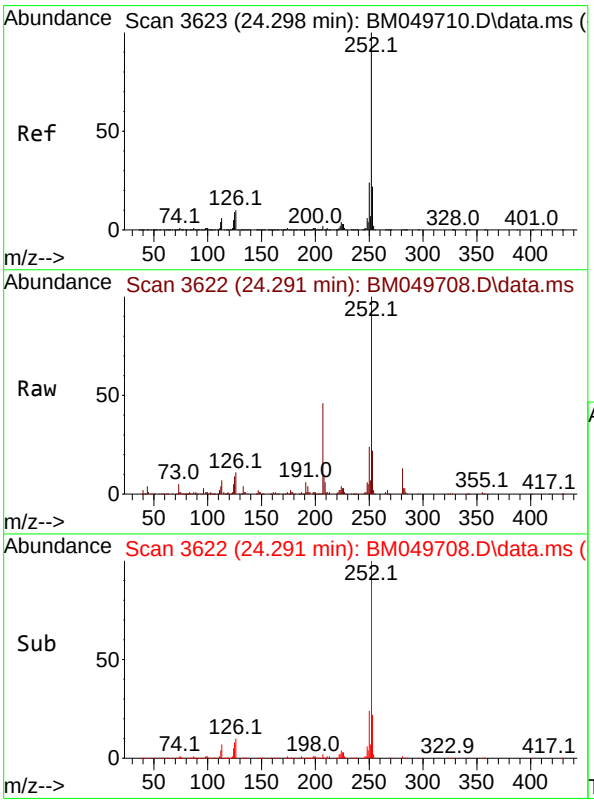
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	7.8	6.2	9.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

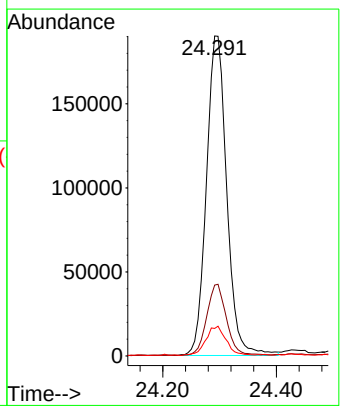
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

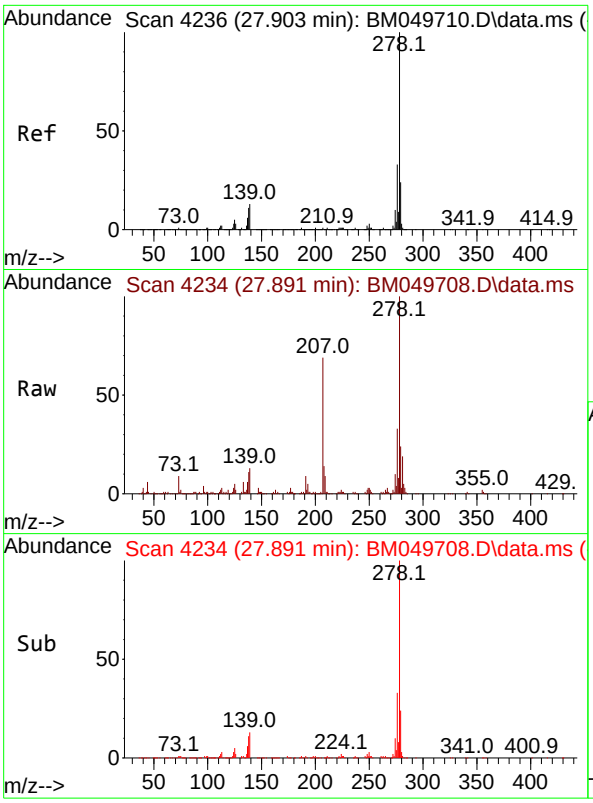


#90
Benzo(a)pyrene
Concen: 8.376 ng
RT: 24.291 min Scan# 3622
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:252 Resp: 472134

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	8.6	7.0	10.6

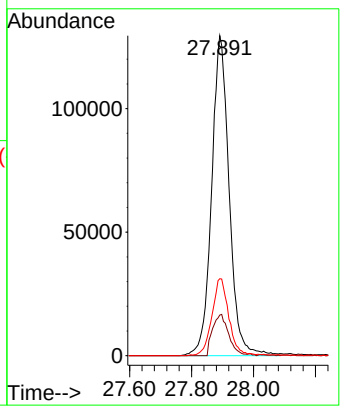




#91
Dibenzo(a,h)anthracene
Concen: 8.527 ng
RT: 27.891 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:278 Resp: 50948

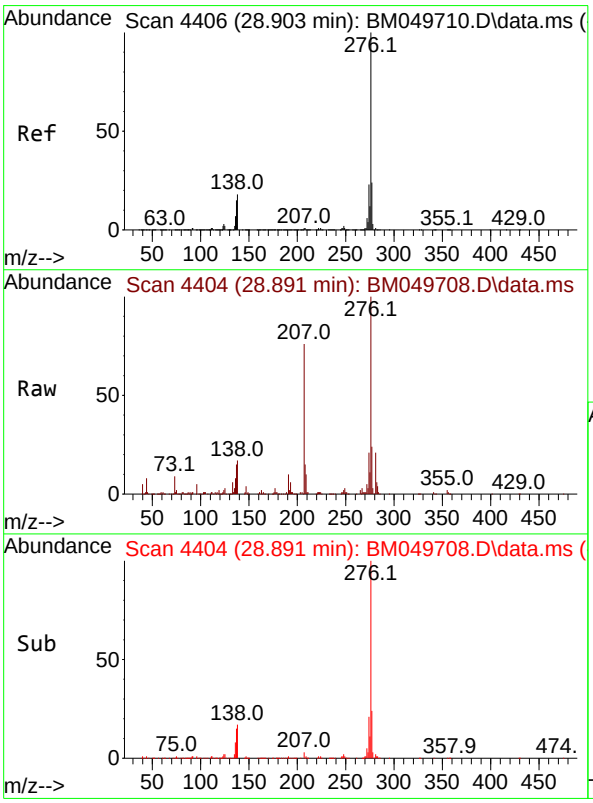
Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.1	15.1
279	24.1	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

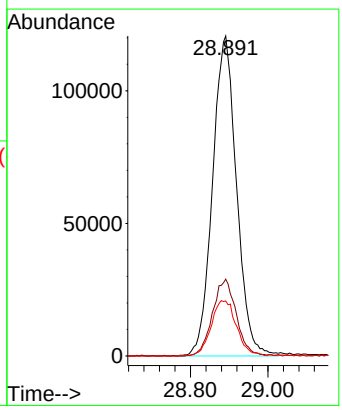
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 8.630 ng
RT: 28.891 min Scan# 4404
Delta R.T. -0.012 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:276 Resp: 519343

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	17.2	14.0	21.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049709.D
Acq On : 13 Mar 2025 11:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 14:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	313236	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1063554	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	653236	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1202916	20.000	ng		0.00
76) Chrysene-d12	21.421	240	1084099	20.000	ng		0.00
86) Perylene-d12	24.439	264	1012386	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	752200	40.519	ng		0.00
7) Phenol-d6	6.975	99	938684	40.292	ng		0.00
23) Nitrobenzene-d5	8.957	82	834165	40.268	ng		0.00
42) 2,4,6-Tribromophenol	15.933	330	295521	38.742	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	2042299	39.155	ng		0.00
79) Terphenyl-d14	19.809	244	2611487	40.593	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	164522	20.472	ng		100
3) Pyridine	3.687	79	416413	20.264	ng		98
4) n-Nitrosodimethylamine	3.593	42	187929	20.695	ng		99
6) Aniline	7.134	93	409185	20.965	ng		98
8) 2-Chlorophenol	7.375	128	373637	20.324	ng		99
9) Benzaldehyde	6.946	77	259870	22.564	ng		100
10) Phenol	7.004	94	458278	20.287	ng		98
11) bis(2-Chloroethyl)ether	7.228	93	372516	20.364	ng		98
12) 1,3-Dichlorobenzene	7.698	146	450375	20.159	ng		100
13) 1,4-Dichlorobenzene	7.840	146	460432	20.429	ng		99
14) 1,2-Dichlorobenzene	8.157	146	440083	20.546	ng		99
15) Benzyl Alcohol	8.045	79	291985	19.972	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.334	45	446479	20.767	ng		99
17) 2-Methylphenol	8.251	107	274444	20.463	ng		99
18) Hexachloroethane	8.887	117	160305	20.141	ng		92
19) n-Nitroso-di-n-propyla...	8.610	70	279276	20.673	ng		99
20) 3+4-Methylphenols	8.581	107	365852	20.356	ng		99
22) Acetophenone	8.628	105	549310	20.031	ng	#	99
24) Nitrobenzene	9.004	77	398868	20.420	ng		97
25) Isophorone	9.534	82	636755	20.020	ng		99
26) 2-Nitrophenol	9.716	139	162399	19.534	ng		98
27) 2,4-Dimethylphenol	9.781	122	211884	20.023	ng		98
28) bis(2-Chloroethoxy)met...	10.010	93	457141	20.407	ng		97
29) 2,4-Dichlorophenol	10.251	162	348455	20.208	ng		98
30) 1,2,4-Trichlorobenzene	10.463	180	442553	20.513	ng		98
31) Naphthalene	10.651	128	1094433	20.012	ng		99
32) Benzoic acid	9.887	122	152840	16.977	ng		95
33) 4-Chloroaniline	10.757	127	382245	20.480	ng		100
34) Hexachlorobutadiene	10.945	225	270278	20.294	ng		98
35) Caprolactam	11.528	113	77852	19.446	ng		95
36) 4-Chloro-3-methylphenol	11.886	107	290072	19.602	ng		99
37) 2-Methylnaphthalene	12.263	142	758592	19.837	ng		100
38) 1-Methylnaphthalene	12.486	142	727810	19.727	ng		99
40) 1,2,4,5-Tetrachloroben...	12.633	216	472680	19.699	ng		99
41) Hexachlorocyclopentadiene	12.622	237	173785	19.550	ng		96
43) 2,4,6-Trichlorophenol	12.875	196	264033	19.647	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049709.D
Acq On : 13 Mar 2025 11:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 14:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	289238	19.723	ng	99
46) 1,1'-Biphenyl	13.280	154	1005064	19.963	ng	99
47) 2-Chloronaphthalene	13.322	162	779763	19.898	ng	99
48) 2-Nitroaniline	13.516	65	170895	19.426	ng	96
49) Acenaphthylene	14.169	152	1081919	19.752	ng	100
50) Dimethylphthalate	13.904	163	899648	20.003	ng	99
51) 2,6-Dinitrotoluene	14.016	165	178893	19.851	ng	99
52) Acenaphthene	14.510	154	700438	19.519	ng	99
53) 3-Nitroaniline	14.345	138	168909	19.697	ng	99
54) 2,4-Dinitrophenol	14.545	184	72346	20.242	ng	99
55) Dibenzofuran	14.845	168	1184764	19.789	ng	99
56) 4-Nitrophenol	14.657	139	136931	18.344	ng	99
57) 2,4-Dinitrotoluene	14.798	165	225172	19.418	ng	95
58) Fluorene	15.492	166	949720	19.484	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.069	232	239188	19.485	ng	98
60) Diethylphthalate	15.269	149	839716	19.824	ng	98
61) 4-Chlorophenyl-phenyle...	15.486	204	511663	19.223	ng	93
62) 4-Nitroaniline	15.504	138	174539	19.525	ng	100
63) Azobenzene	15.780	77	804689	19.889	ng	99
65) 4,6-Dinitro-2-methylph...	15.563	198	105000	20.361	ng	88
66) n-Nitrosodiphenylamine	15.698	169	725911	19.917	ng	99
67) 4-Bromophenyl-phenylether	16.380	248	273093	19.663	ng	99
68) Hexachlorobenzene	16.498	284	304632	19.505	ng	99
69) Atrazine	16.651	200	173431	21.592	ng	99
70) Pentachlorophenol	16.839	266	174643	17.794	ng	99
71) Phenanthrene	17.227	178	1304624	19.532	ng	99
72) Anthracene	17.315	178	1269013	19.617	ng	100
73) Carbazole	17.586	167	1145728	19.557	ng	100
74) Di-n-butylphthalate	18.157	149	1254005	19.530	ng	99
75) Fluoranthene	19.239	202	1446853	18.815	ng	99
77) Benzidine	19.427	184	310871	23.868	ng	99
78) Pyrene	19.604	202	1507240	19.900	ng	99
80) Butylbenzylphthalate	20.509	149	463918	19.737	ng	97
81) Benzo(a)anthracene	21.403	228	1428447	19.727	ng	99
82) 3,3'-Dichlorobenzidine	21.327	252	429145	18.203	ng	99
83) Chrysene	21.468	228	1364401	19.877	ng	100
84) Bis(2-ethylhexyl)phtha...	21.339	149	735062	20.066	ng	98
85) Di-n-octyl phthalate	22.480	149	1034304	18.166	ng	99
87) Indeno(1,2,3-cd)pyrene	27.838	276	1398710	19.195	ng	99
88) Benzo(b)fluoranthene	23.486	252	1313124	19.257	ng	100
89) Benzo(k)fluoranthene	23.550	252	1310136	19.526	ng	99
90) Benzo(a)pyrene	24.291	252	1098704	19.183	ng	100
91) Dibenzo(a,h)anthracene	27.897	278	1165557	19.199	ng	99
92) Benzo(g,h,i)perylene	28.897	276	1187458	19.418	ng	99

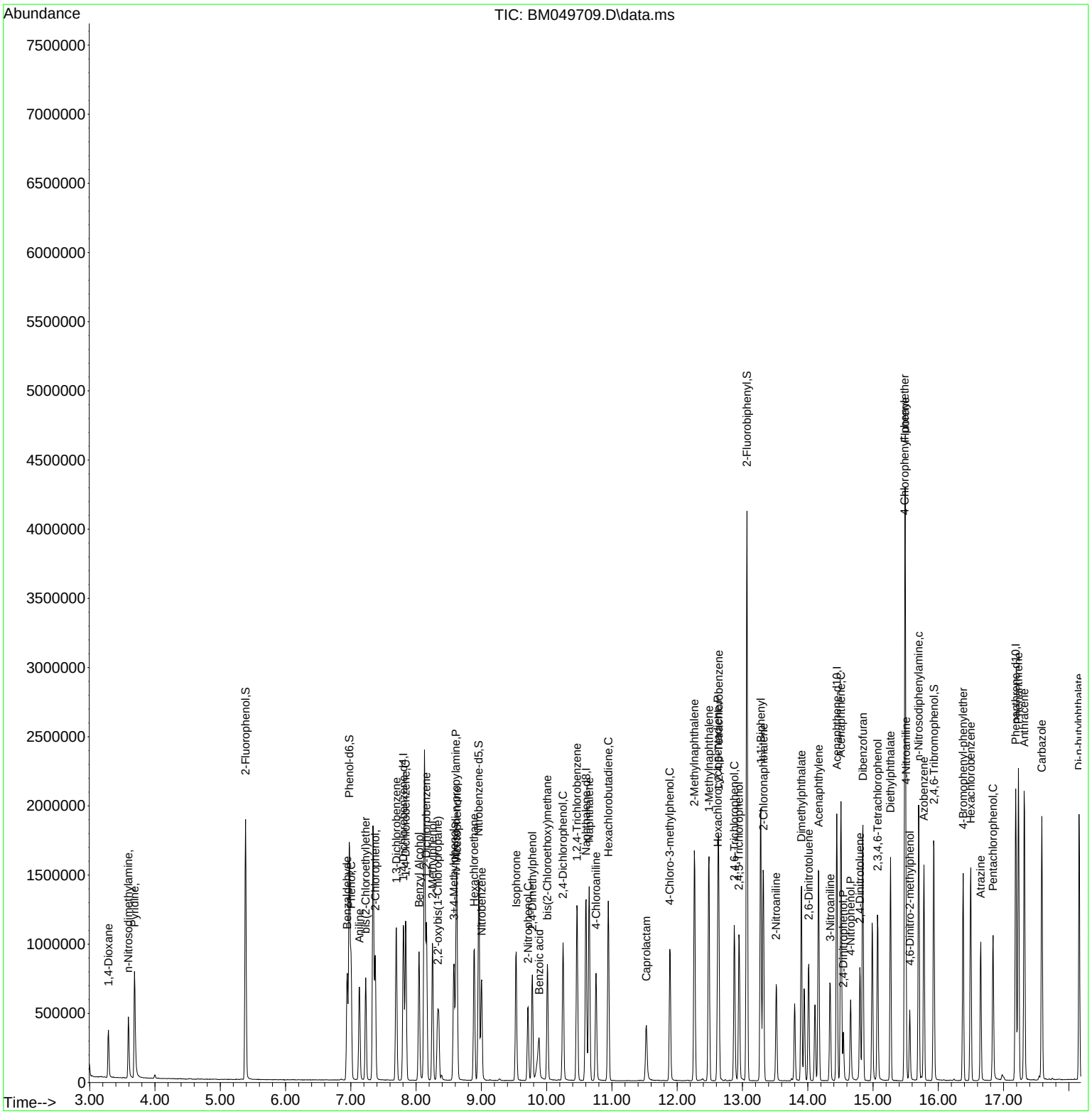
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049709.D
Acq On : 13 Mar 2025 11:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 14:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049709.D
Acq On : 13 Mar 2025 11:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 14:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
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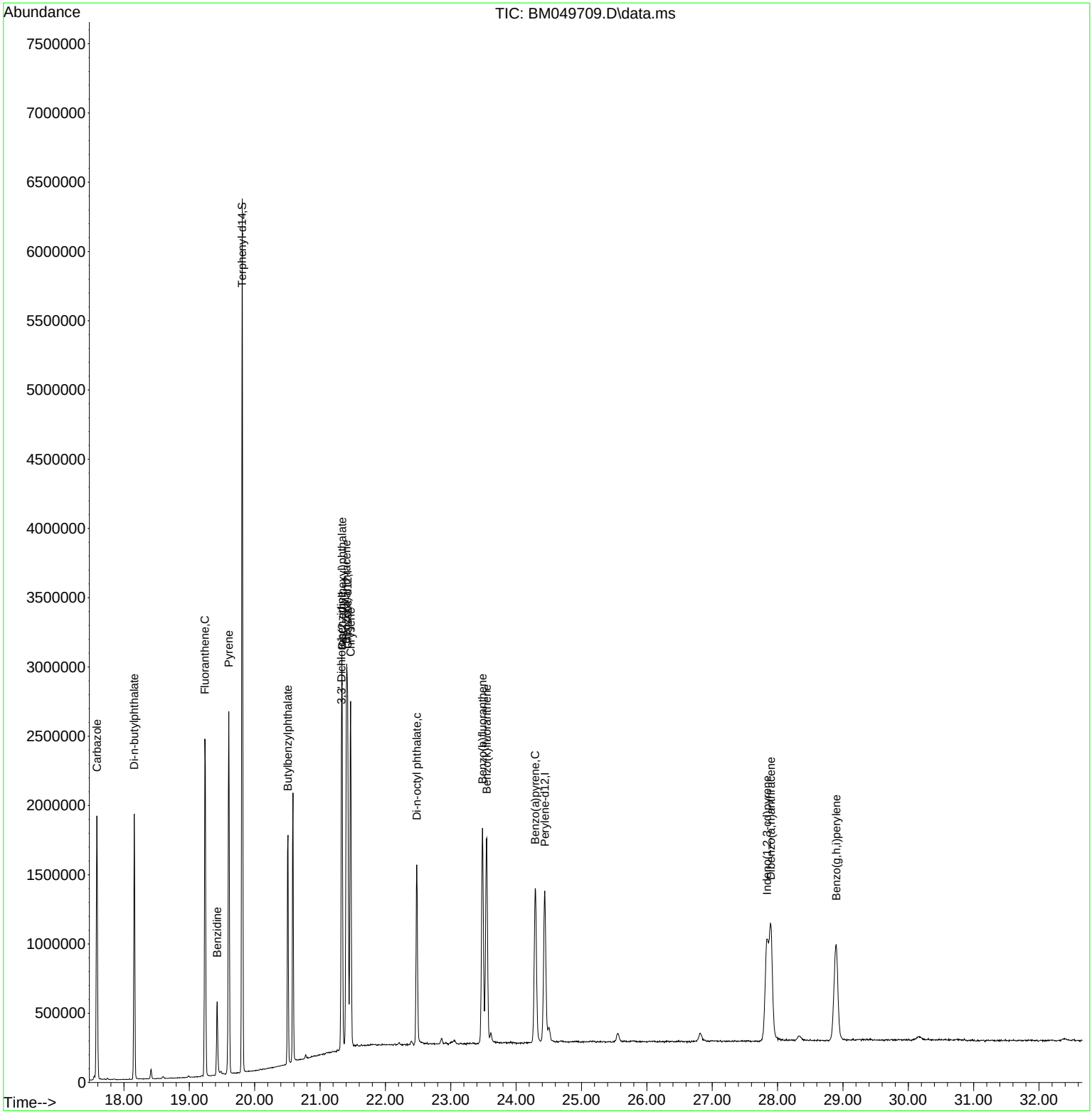
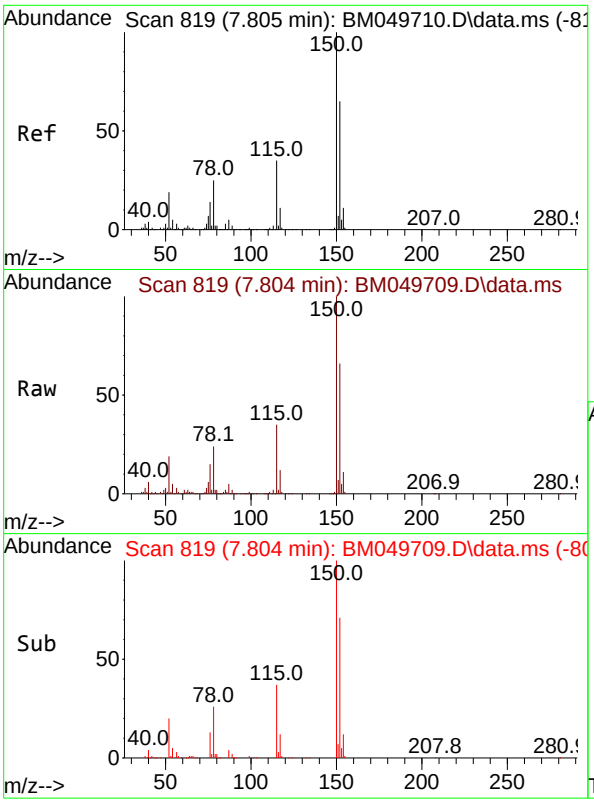


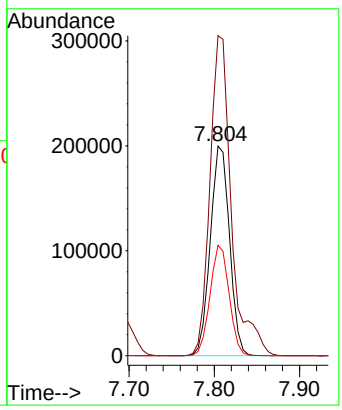


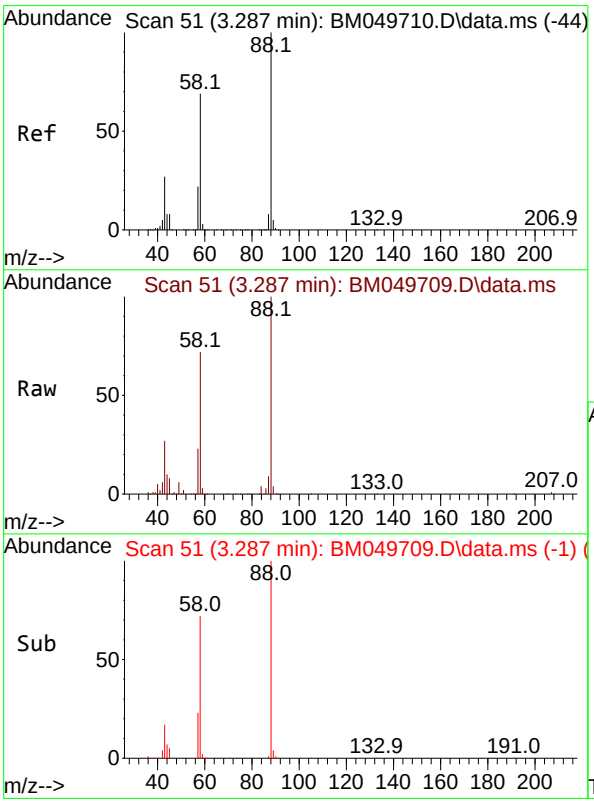
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 313236

Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.8
115	52.7	43.0	64.6

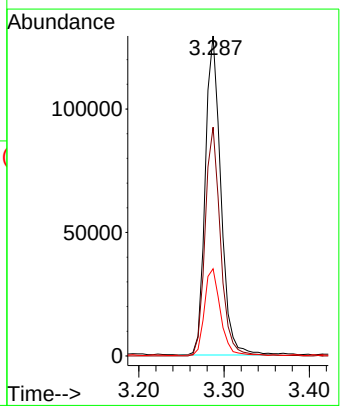


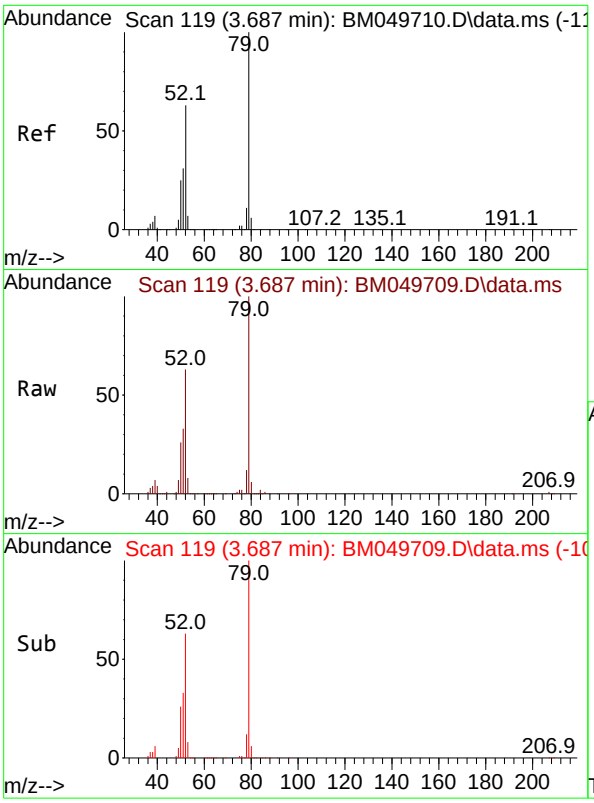


#2
1,4-Dioxane
Concen: 20.472 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 88 Resp: 164522

Ion	Ratio	Lower	Upper
88	100		
58	70.8	56.7	85.1
43	27.8	22.6	34.0



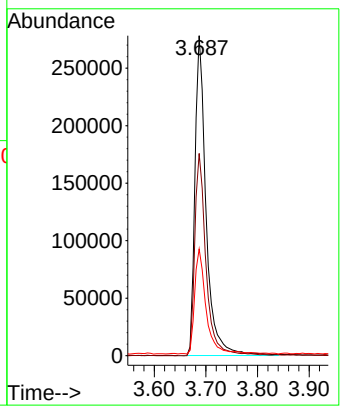


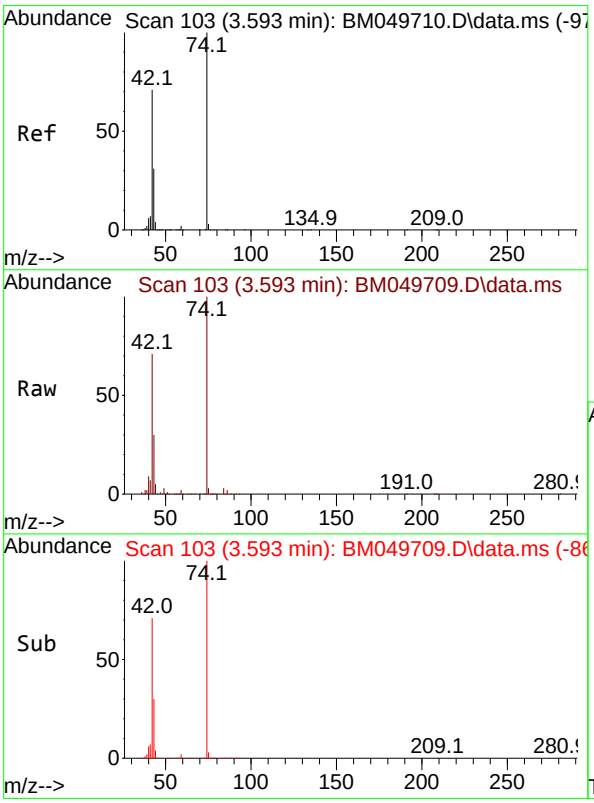
#3
Pyridine
Concen: 20.264 ng
RT: 3.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 416413

Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.1	75.1
51	33.4	25.2	37.8

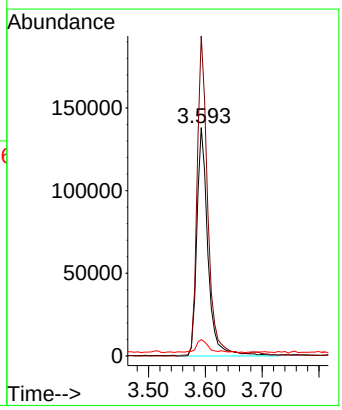


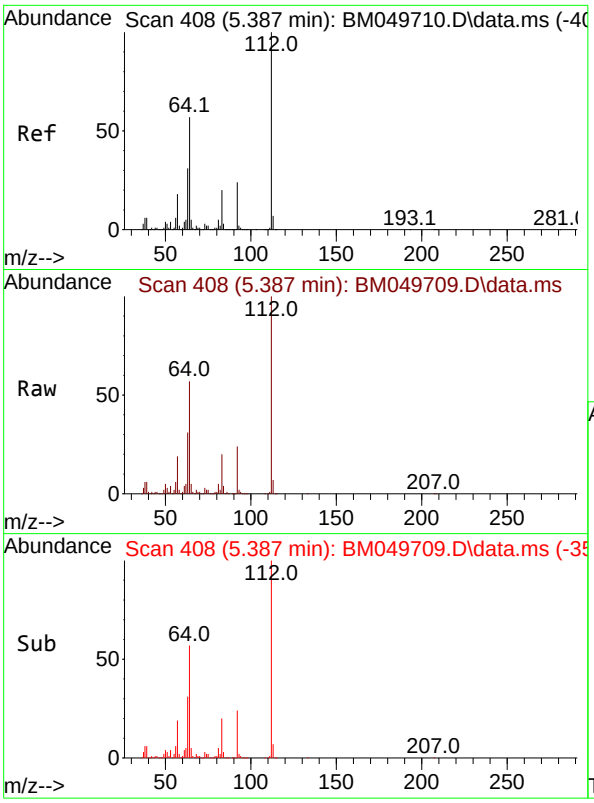


#4
n-Nitrosodimethylamine
Concen: 20.695 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 42 Resp: 187929

Ion	Ratio	Lower	Upper
42	100		
74	140.2	112.6	168.8
44	7.2	5.0	7.6



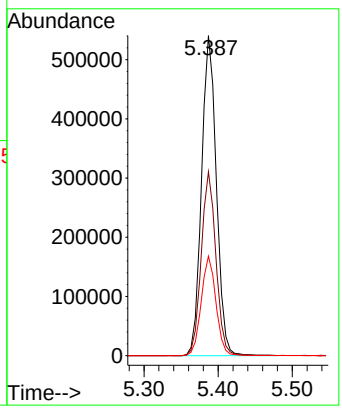


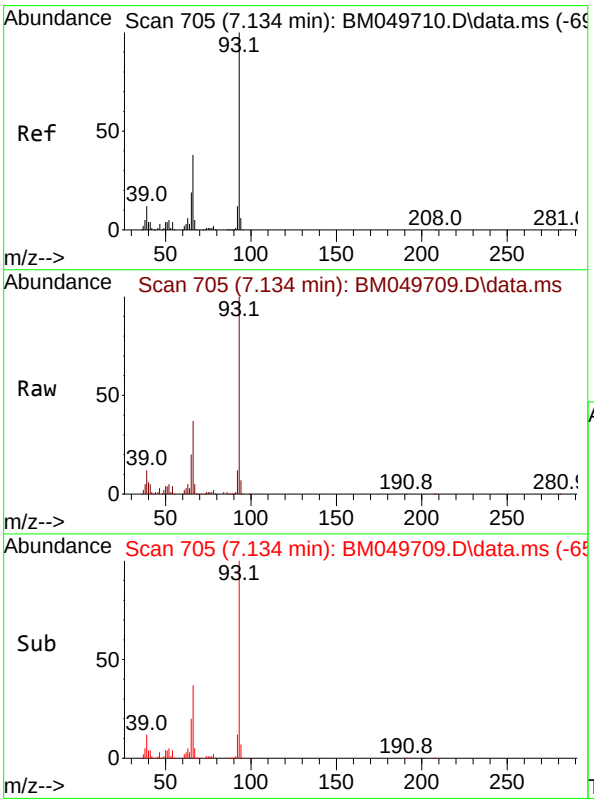
#5
2-Fluorophenol
Concen: 40.519 ng
RT: 5.387 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 752200

Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.3	67.9
63	31.1	24.4	36.6

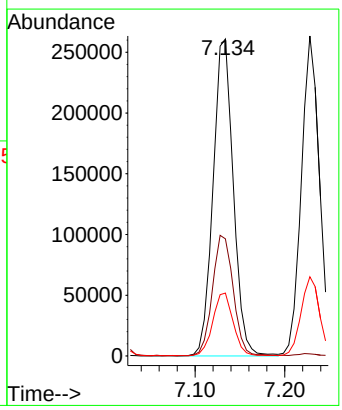


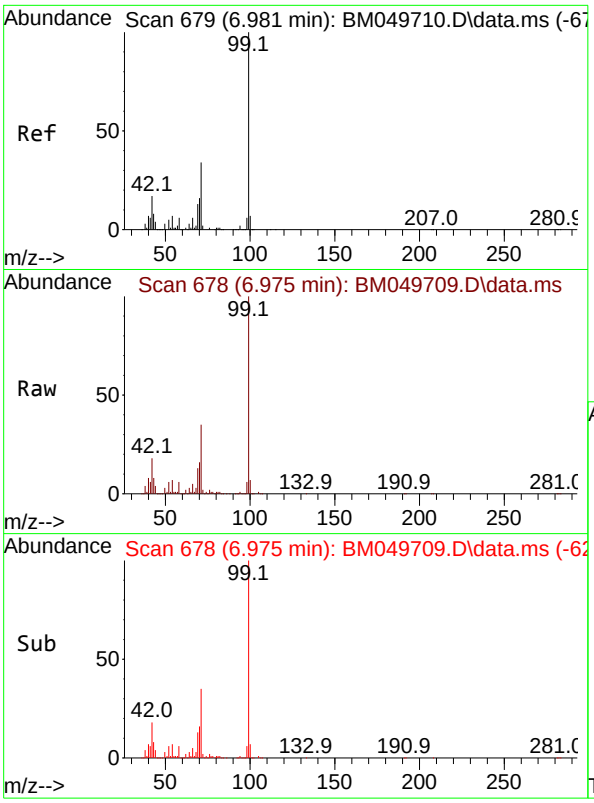


#6
Aniline
Concen: 20.965 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 93 Resp: 409185

Ion	Ratio	Lower	Upper
93	100		
66	37.0	30.6	46.0
65	19.8	15.4	23.2



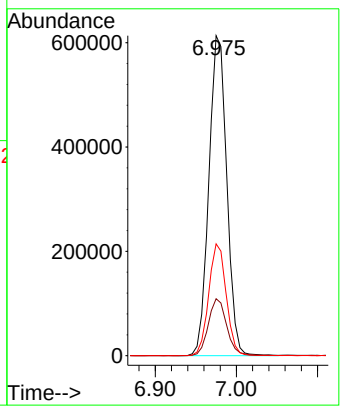


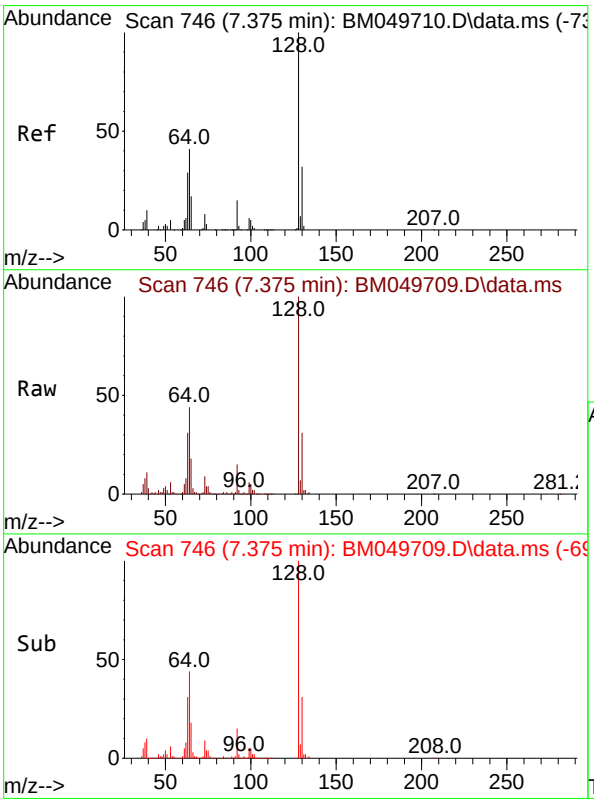
#7
Phenol-d6
Concen: 40.292 ng
RT: 6.975 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 938684

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.6	20.4
71	35.0	27.0	40.6

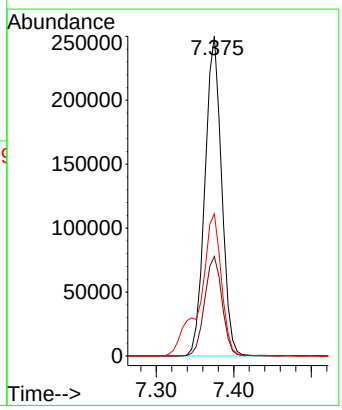


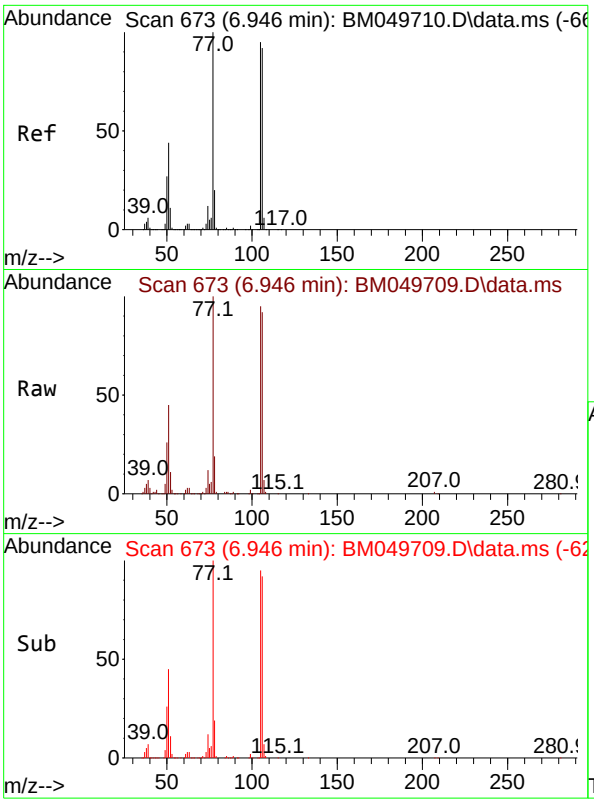


#8
2-Chlorophenol
Concen: 20.324 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:128 Resp: 373637

Ion	Ratio	Lower	Upper
128	100		
130	31.1	12.5	52.5
64	44.4	24.9	64.9



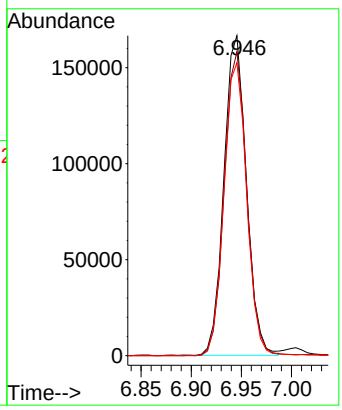


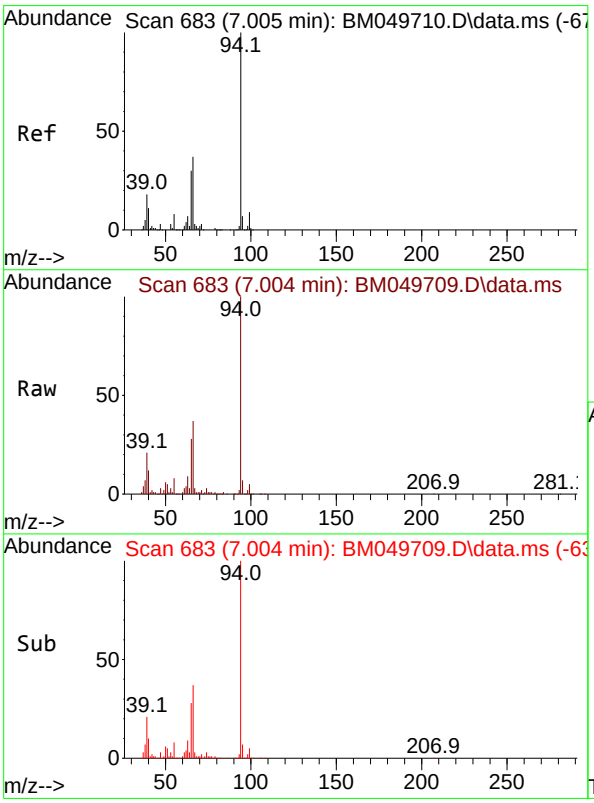
#9
Benzaldehyde
Concen: 22.564 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 259870

Ion	Ratio	Lower	Upper
77	100		
105	95.0	75.0	115.0
106	91.6	72.3	112.3

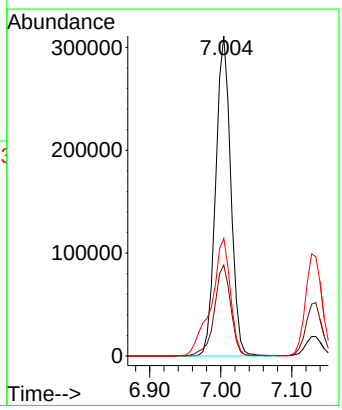


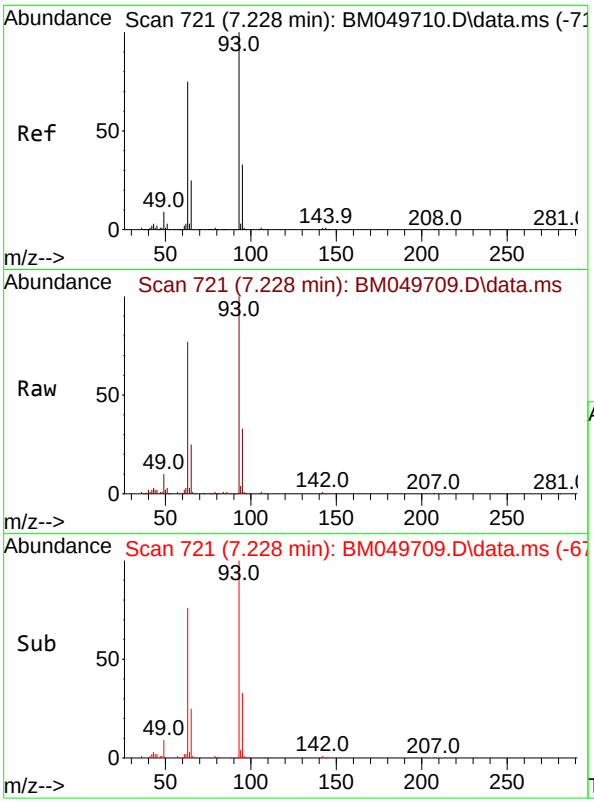


#10
Phenol
Concen: 20.287 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 94 Resp: 458278

Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.4	50.4
66	36.7	17.1	57.1



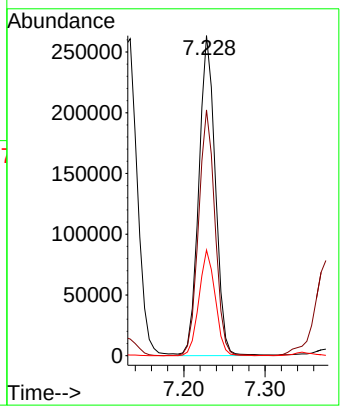


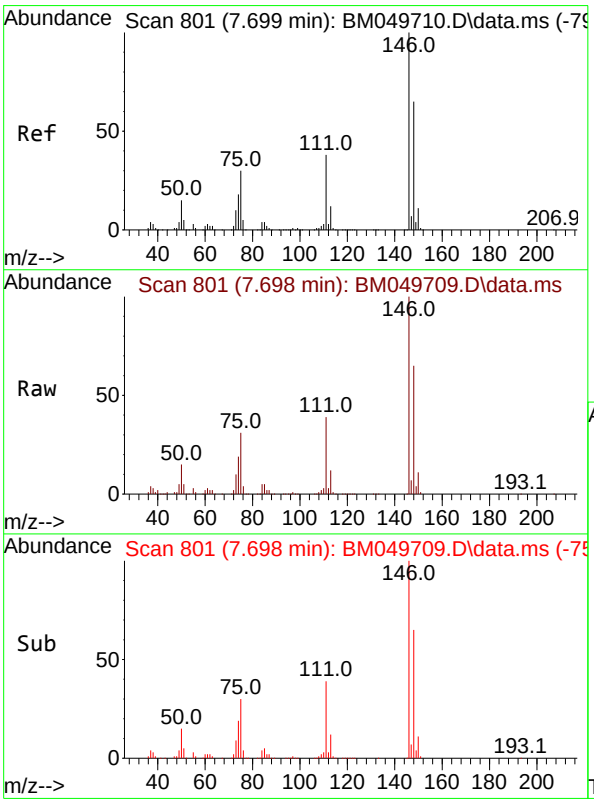
#11
bis(2-Chloroethyl)ether
Concen: 20.364 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 372516

Ion	Ratio	Lower	Upper
93	100		
63	76.8	54.8	94.8
95	33.0	12.8	52.8

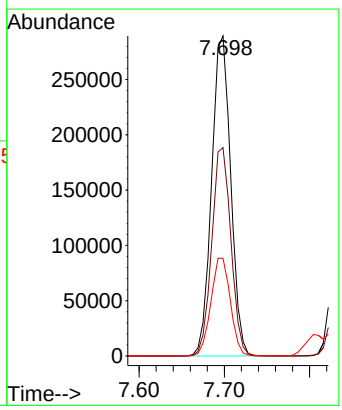


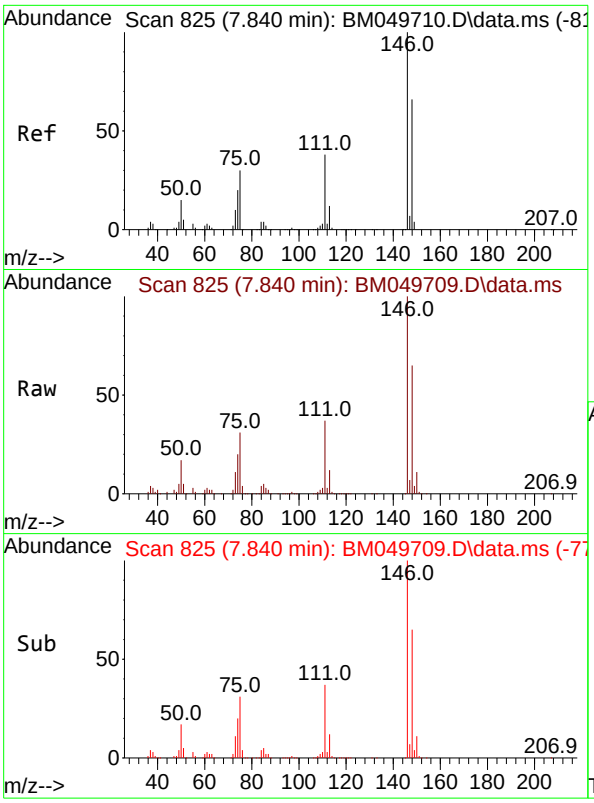


#12
1,3-Dichlorobenzene
Concen: 20.159 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:146 Resp: 450375

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.3	78.5
75	30.5	24.2	36.2



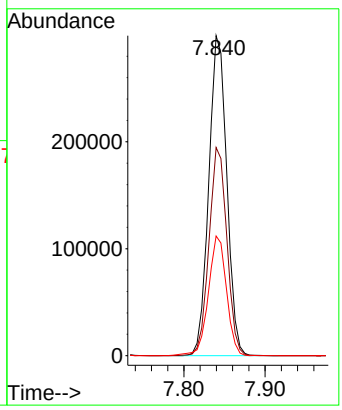


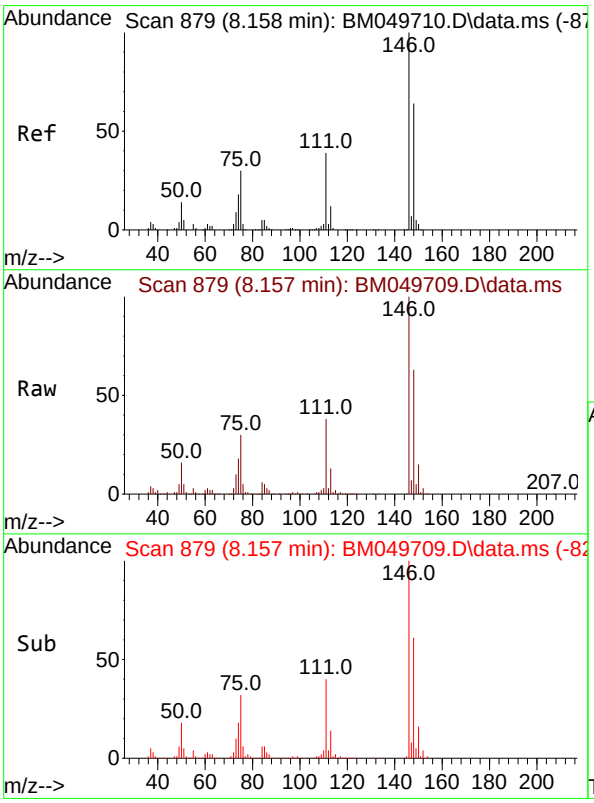
#13
1,4-Dichlorobenzene
Concen: 20.429 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 460432

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.6	79.0
111	37.4	30.8	46.2

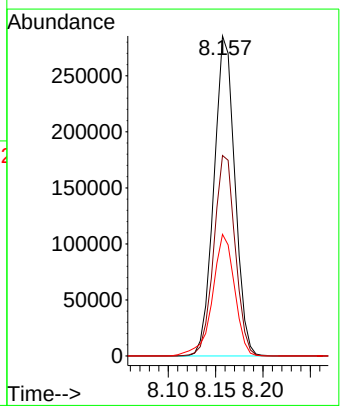


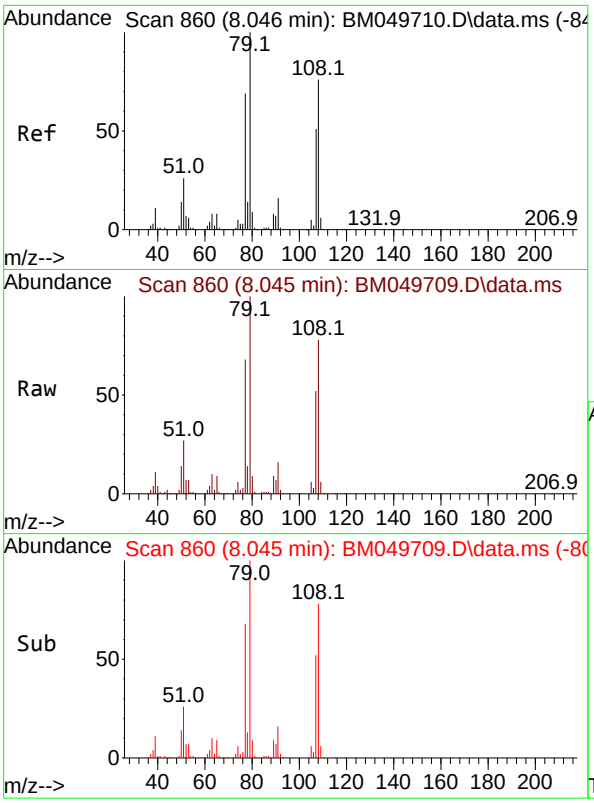


#14
1,2-Dichlorobenzene
Concen: 20.546 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:146 Resp: 440083

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.9	76.3
111	38.0	31.0	46.6



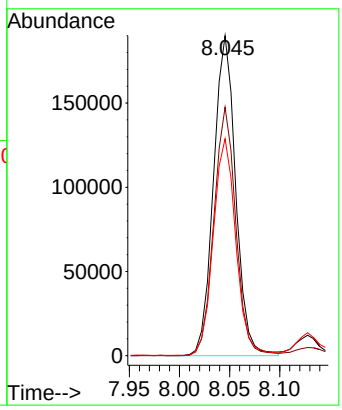


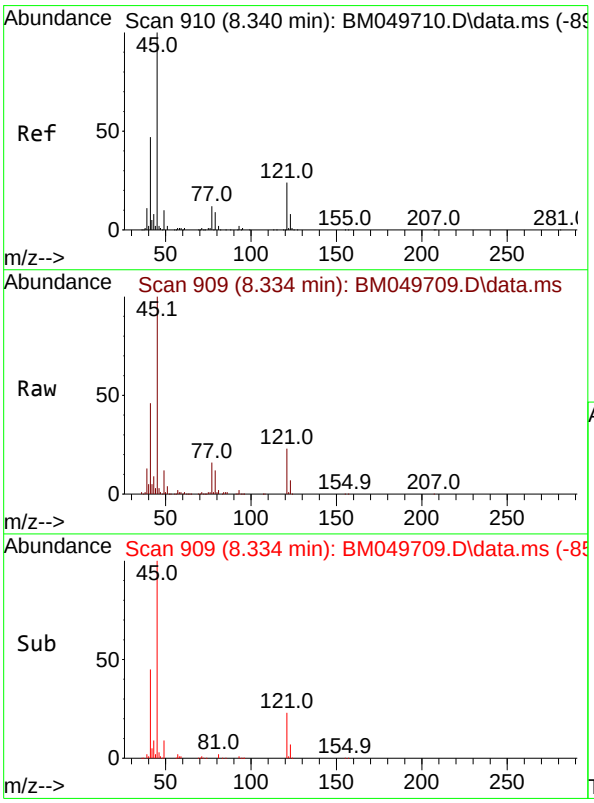
#15
Benzyl Alcohol
Concen: 19.972 ng
RT: 8.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 291985

Ion	Ratio	Lower	Upper
79	100		
108	77.7	60.7	91.1
77	67.8	55.4	83.2

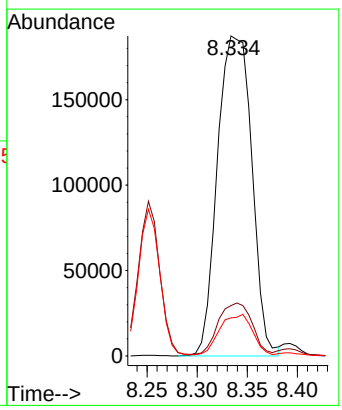


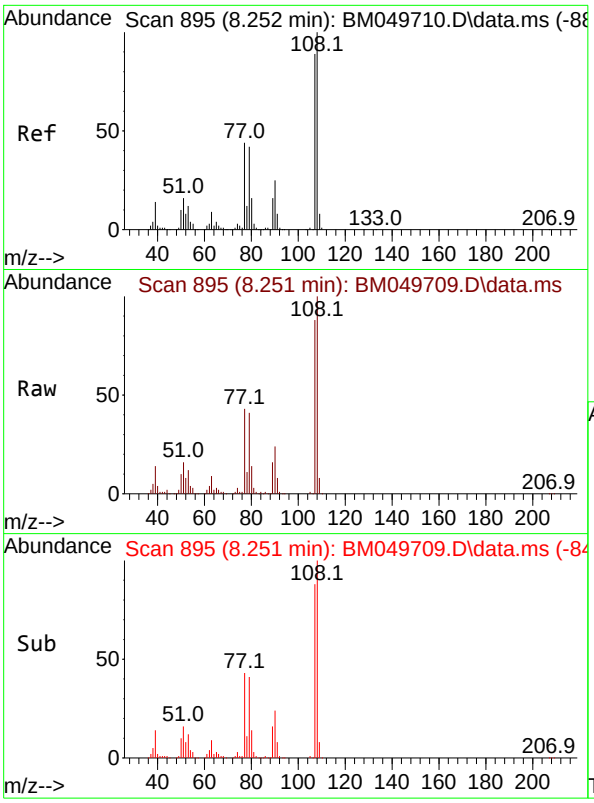


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.767 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 45 Resp: 446479

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	36.1
79	11.9	0.0	32.8



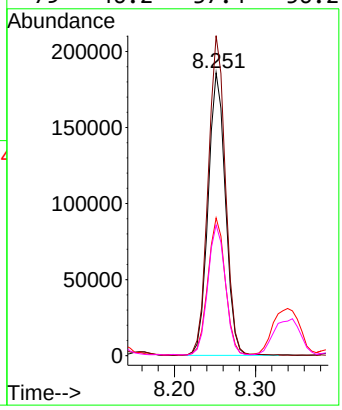


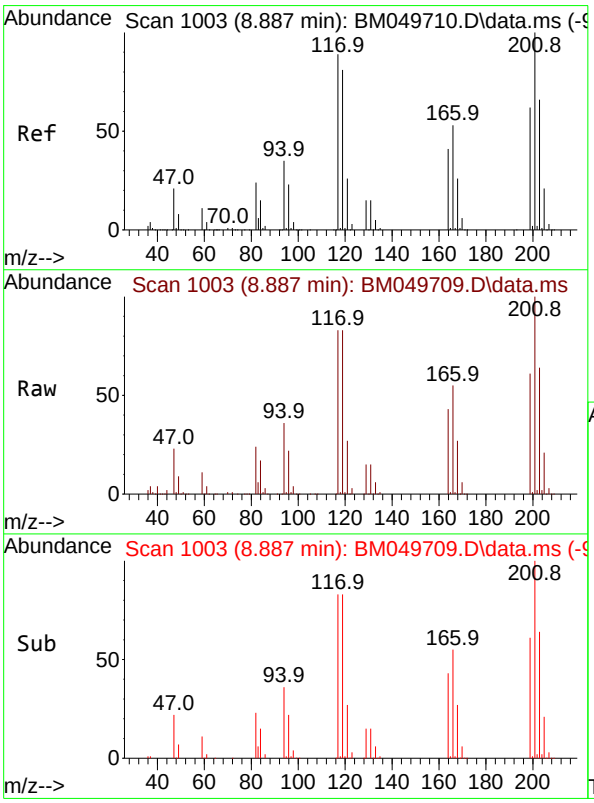
#17
2-Methylphenol
Concen: 20.463 ng
RT: 8.251 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 274444

Ion	Ratio	Lower	Upper
107	100		
108	113.1	89.6	134.4
77	48.7	39.8	59.6
79	46.2	37.4	56.2

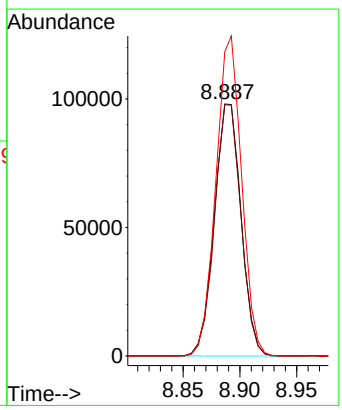


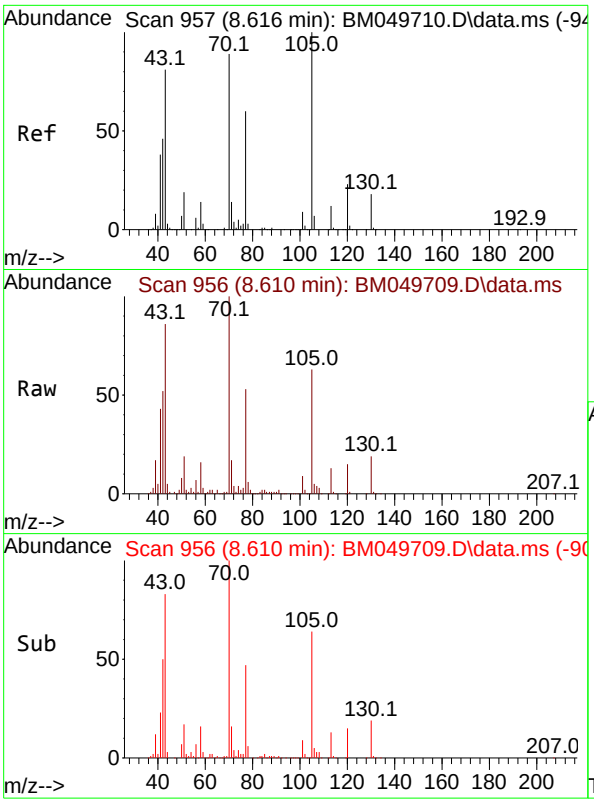


#18
Hexachloroethane
Concen: 20.141 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:117 Resp: 160305

Ion	Ratio	Lower	Upper
117	100		
119	99.7	73.1	109.7
201	120.7	90.0	135.0



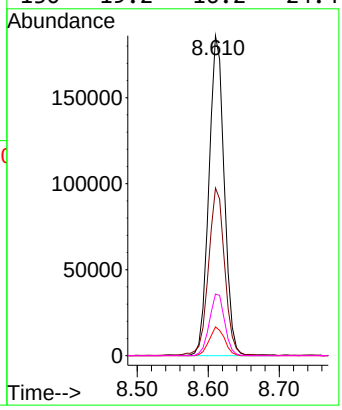


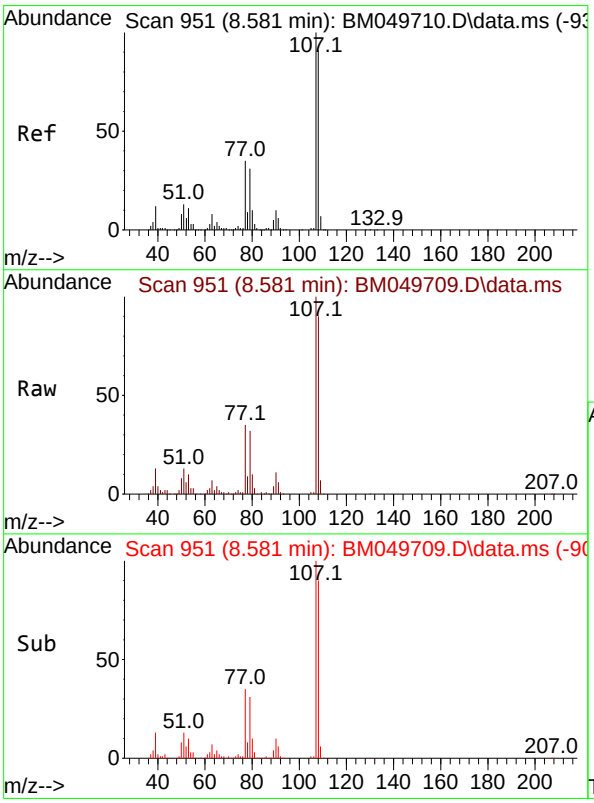
#19
n-Nitroso-di-n-propylamine
Concen: 20.673 ng
RT: 8.610 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 279276

Ion	Ratio	Lower	Upper
70	100		
42	52.4	41.8	62.6
101	9.0	7.7	11.5
130	19.2	16.2	24.4

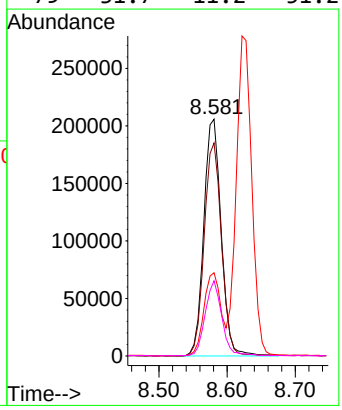


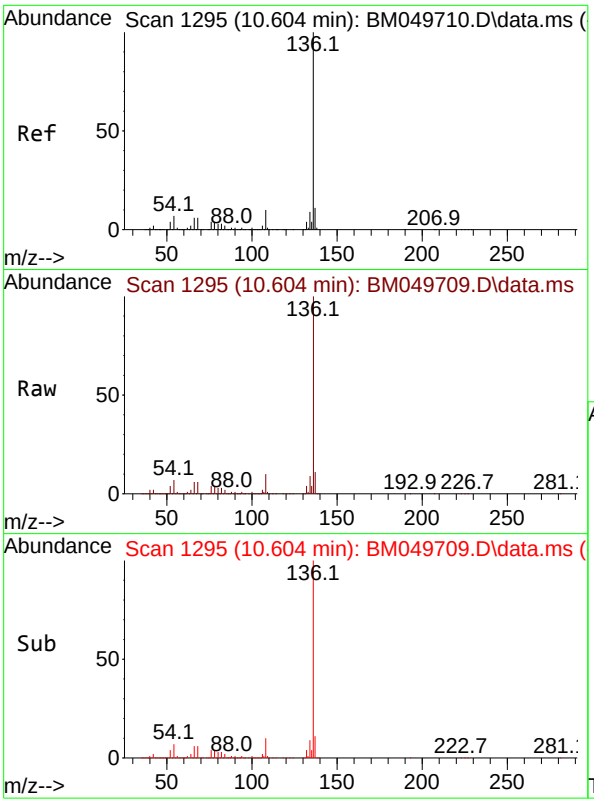


#20
3+4-Methylphenols
Concen: 20.356 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:107 Resp: 365852

Ion	Ratio	Lower	Upper
107	100		
108	90.0	71.0	111.0
77	35.1	15.1	55.1
79	31.7	11.2	51.2



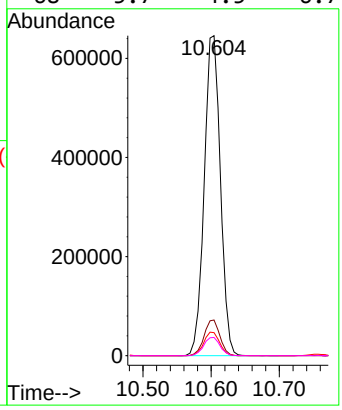


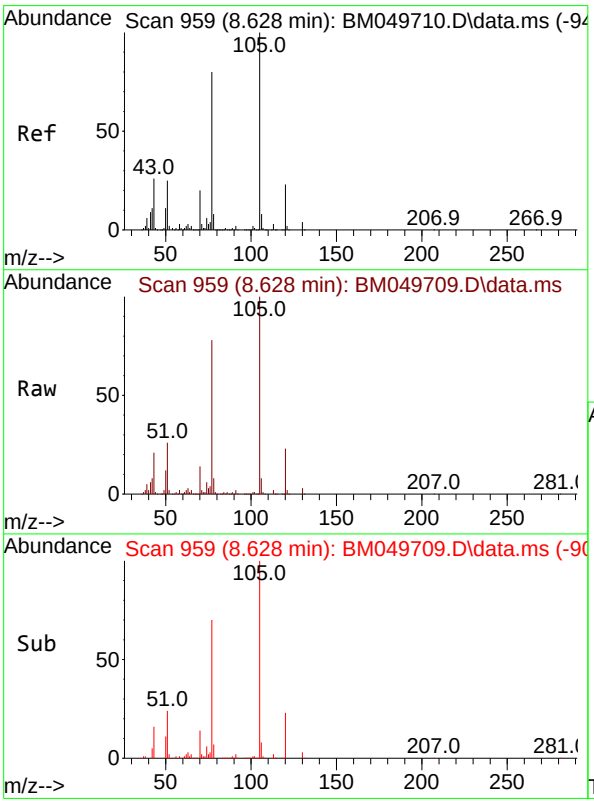
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1063554

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.2	5.8	8.8
68	5.7	4.5	6.7

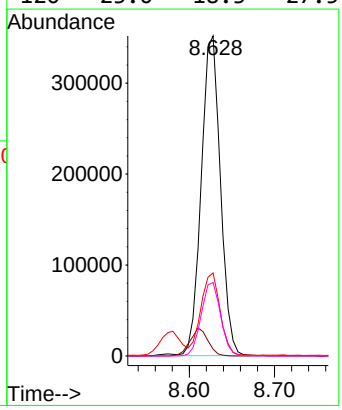


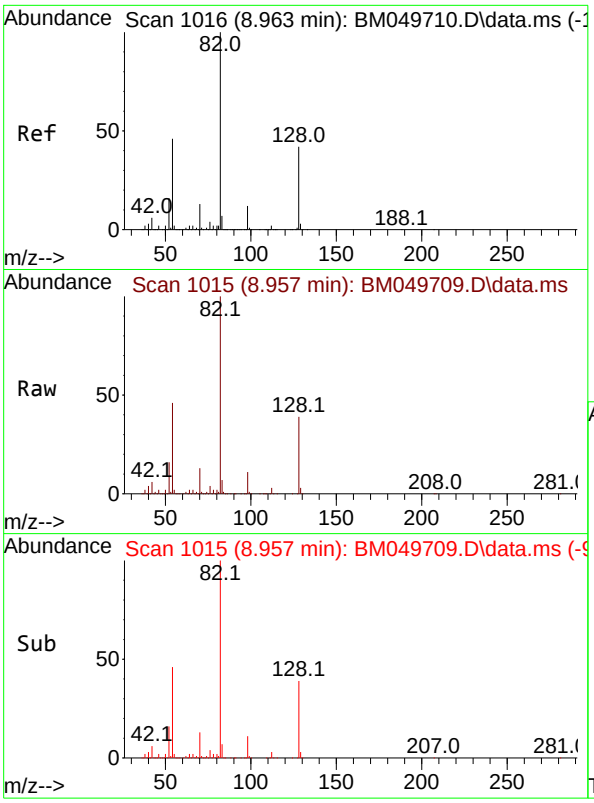


#22
Acetophenone
Concen: 20.031 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:105 Resp: 549310

Ion	Ratio	Lower	Upper
105	100		
71	2.2	2.5	3.7#
51	25.9	19.9	29.9
120	23.0	18.3	27.5



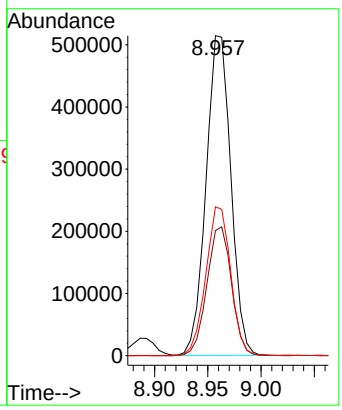


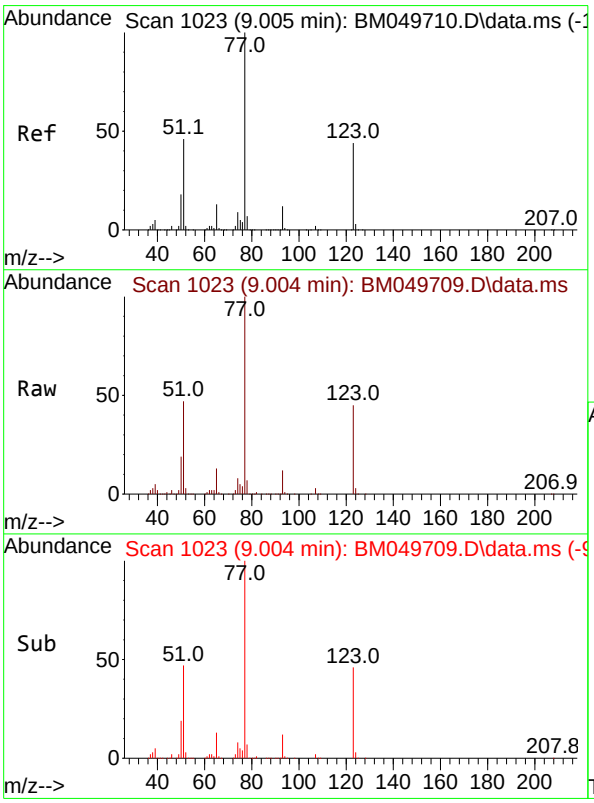
#23
Nitrobenzene-d5
Concen: 40.268 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 834165

Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.4	50.0
54	46.5	36.4	54.6

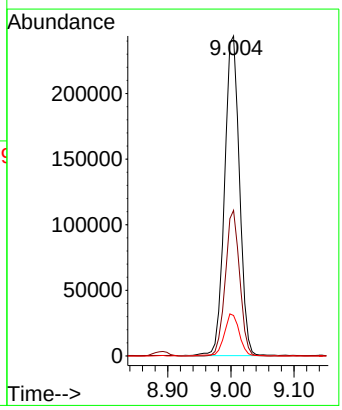


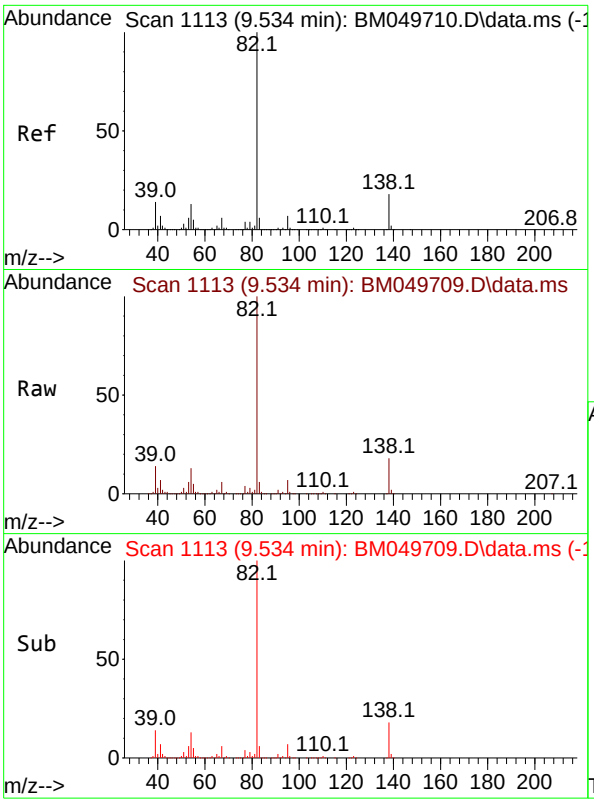


#24
Nitrobenzene
Concen: 20.420 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 77 Resp: 398868

Ion	Ratio	Lower	Upper
77	100		
123	45.5	34.9	52.3
65	12.7	10.6	15.8



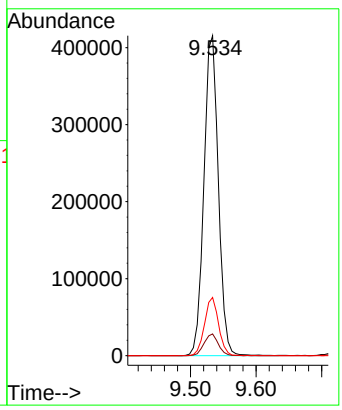


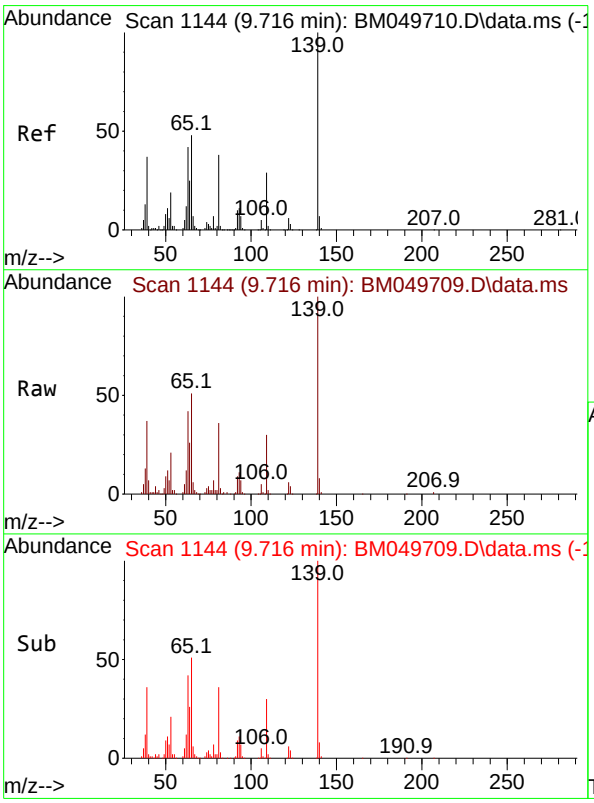
#25
Isophorone
Concen: 20.020 ng
RT: 9.534 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 636755

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.2	14.4	21.6

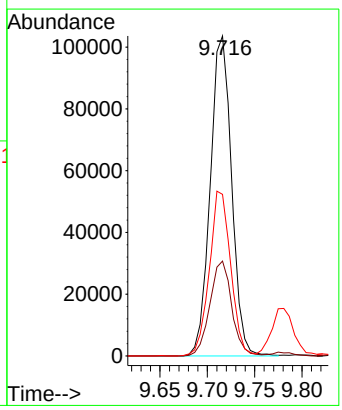


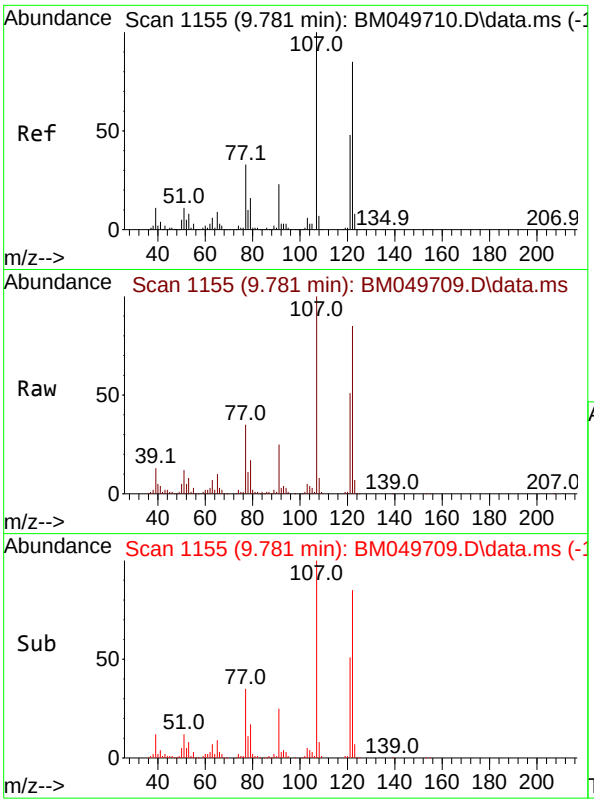


#26
2-Nitrophenol
Concen: 19.534 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:139 Resp: 162399

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.3	34.9
65	50.5	38.6	58.0



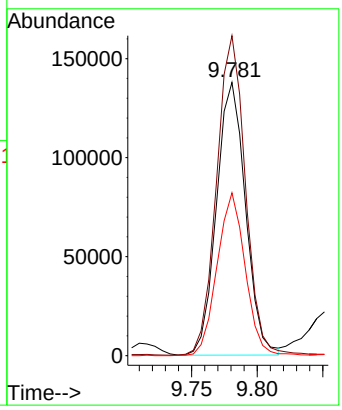


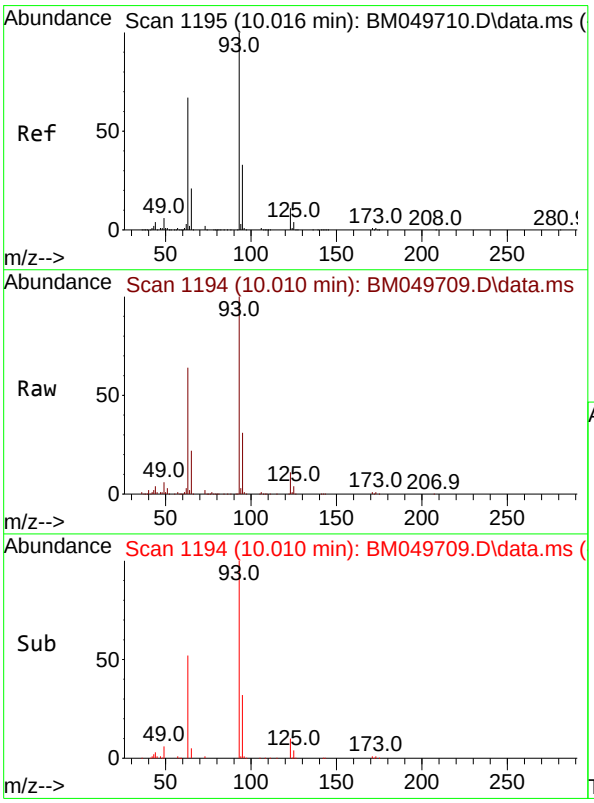
#27
2,4-Dimethylphenol
Concen: 20.023 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 211884

Ion	Ratio	Lower	Upper
122	100		
107	117.1	94.3	141.5
121	59.6	45.4	68.2

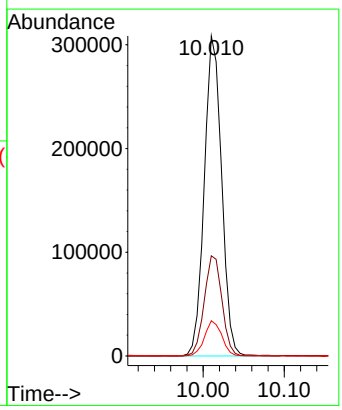


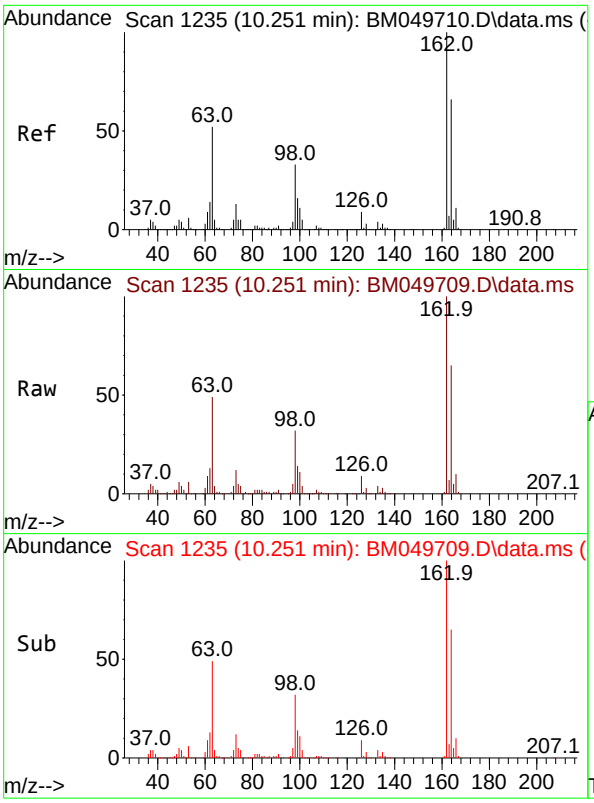


#28
bis(2-Chloroethoxy)methane
Concen: 20.407 ng
RT: 10.010 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 93 Resp: 457141

Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.6	40.0
123	11.0	9.0	13.6



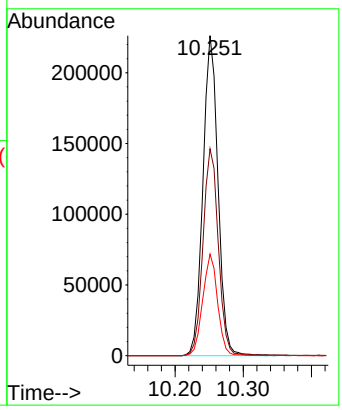


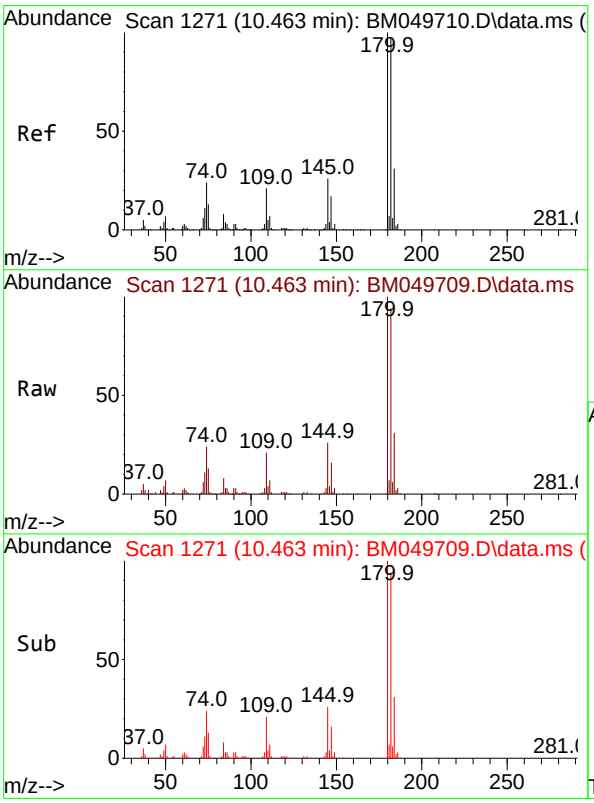
#29
2,4-Dichlorophenol
Concen: 20.208 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 348455

Ion	Ratio	Lower	Upper
162	100		
164	64.7	46.3	86.3
98	31.8	12.8	52.8

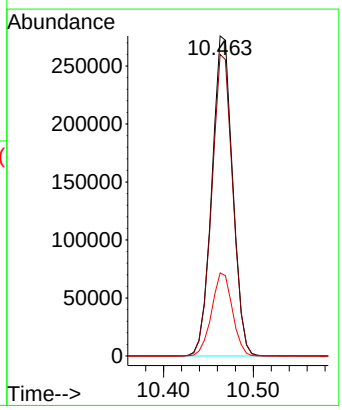


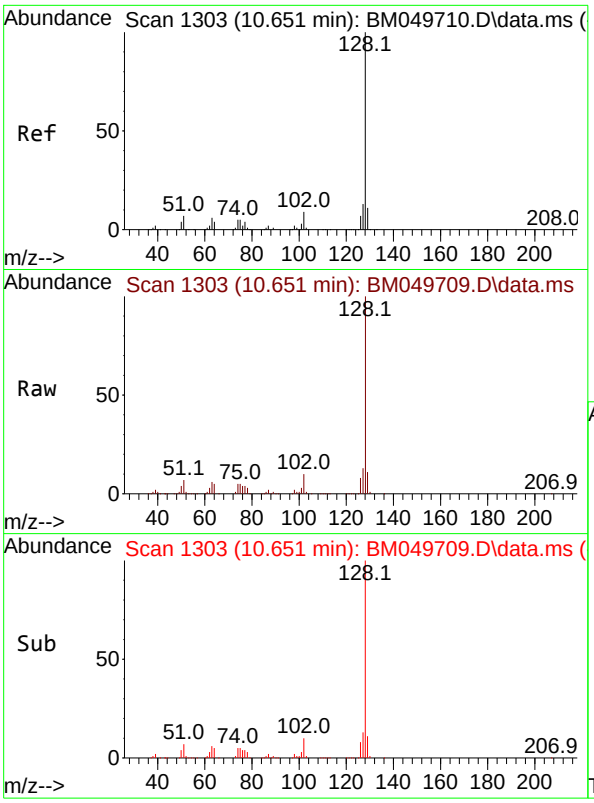


#30
1,2,4-Trichlorobenzene
Concen: 20.513 ng
RT: 10.463 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:180 Resp: 442553

Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.7	116.5
145	26.0	21.0	31.4



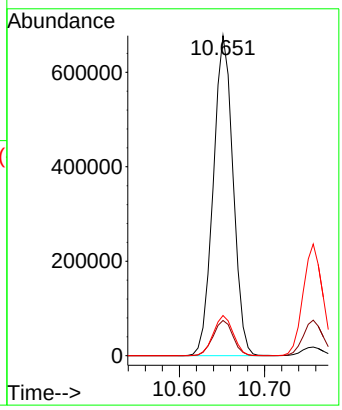


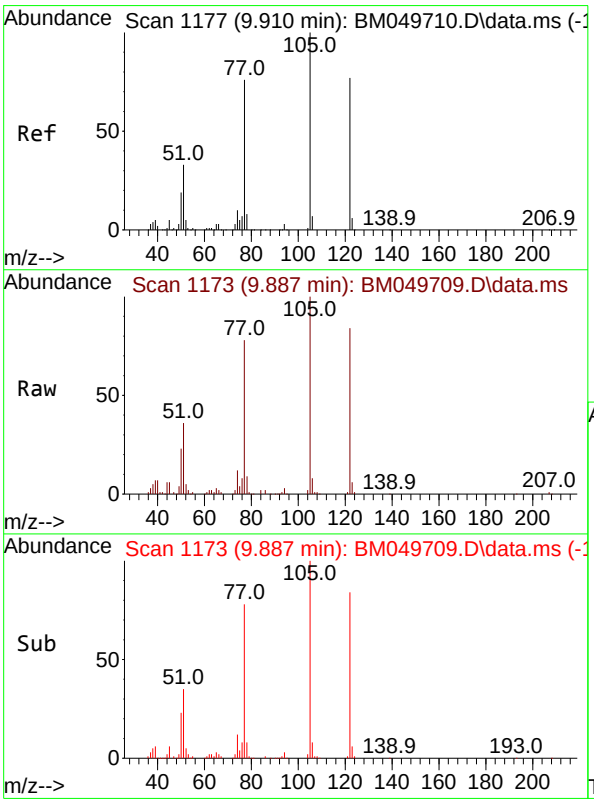
#31
Naphthalene
Concen: 20.012 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1094433

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	12.6	10.4	15.6

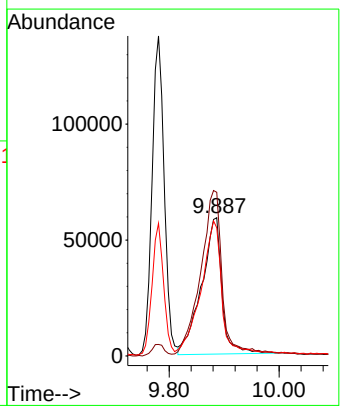


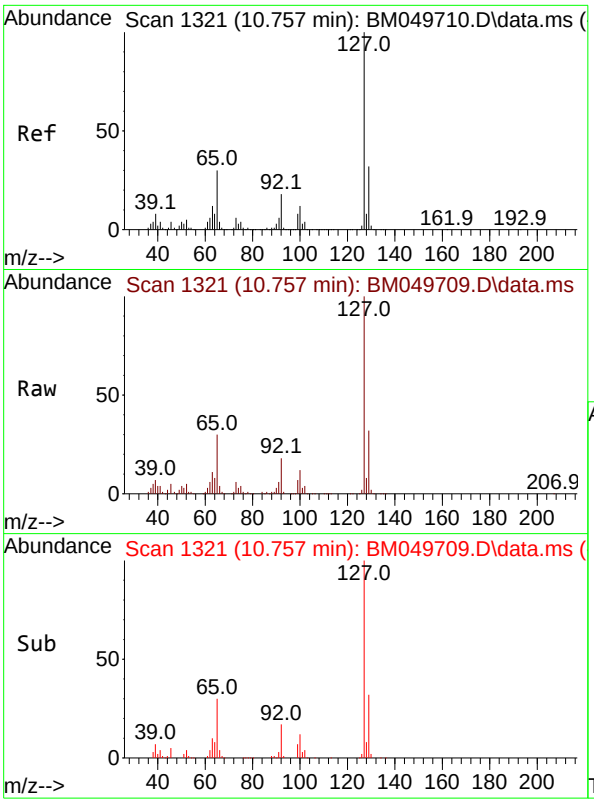


#32
Benzoic acid
Concen: 16.977 ng
RT: 9.887 min Scan# 1173
Delta R.T. -0.023 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:122 Resp: 152840

Ion	Ratio	Lower	Upper
122	100		
105	118.3	105.6	145.6
77	92.7	76.9	116.9



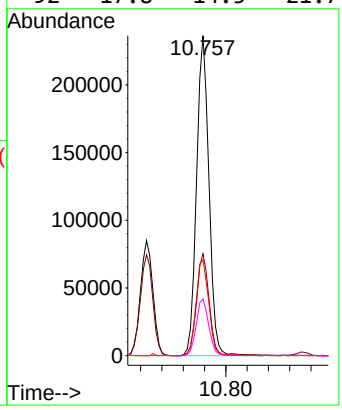


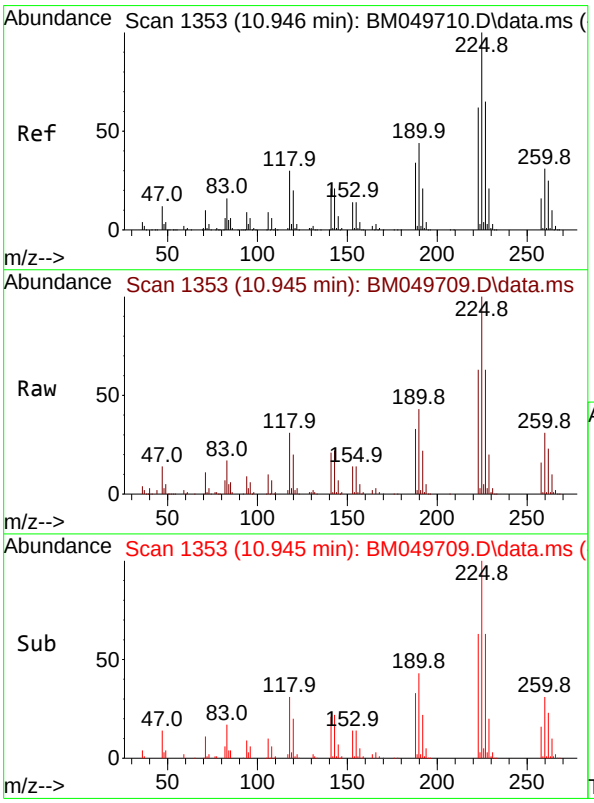
#33
4-Chloroaniline
Concen: 20.480 ng
RT: 10.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 382245

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.7	38.5
65	30.0	24.1	36.1
92	17.8	14.5	21.7

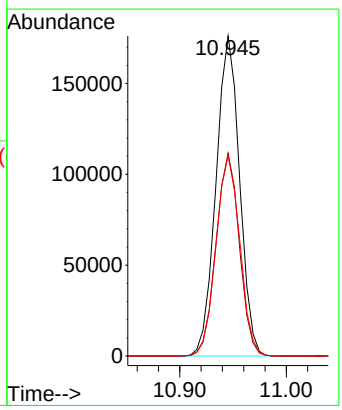


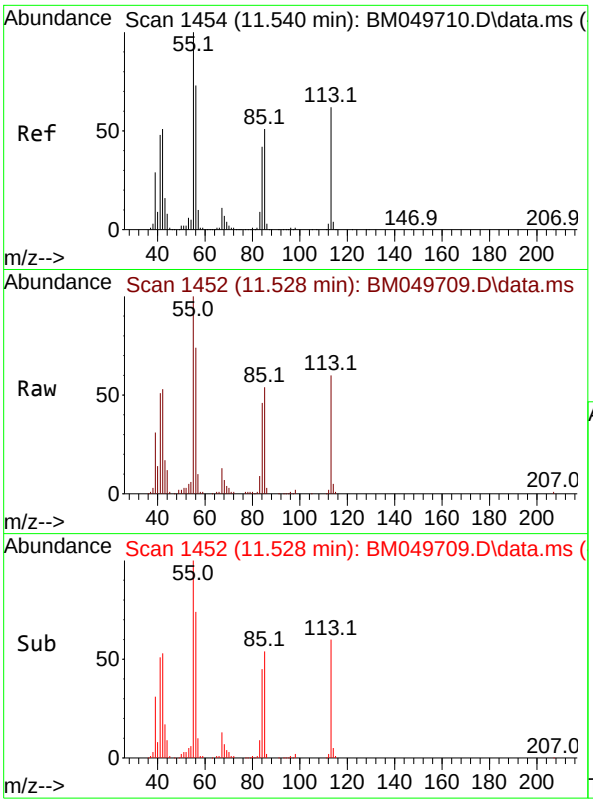


#34
Hexachlorobutadiene
Concen: 20.294 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:225 Resp: 270278

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.8
227	62.5	52.1	78.1



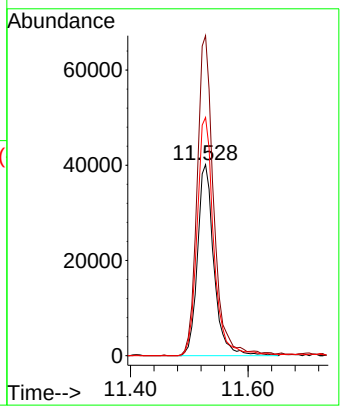


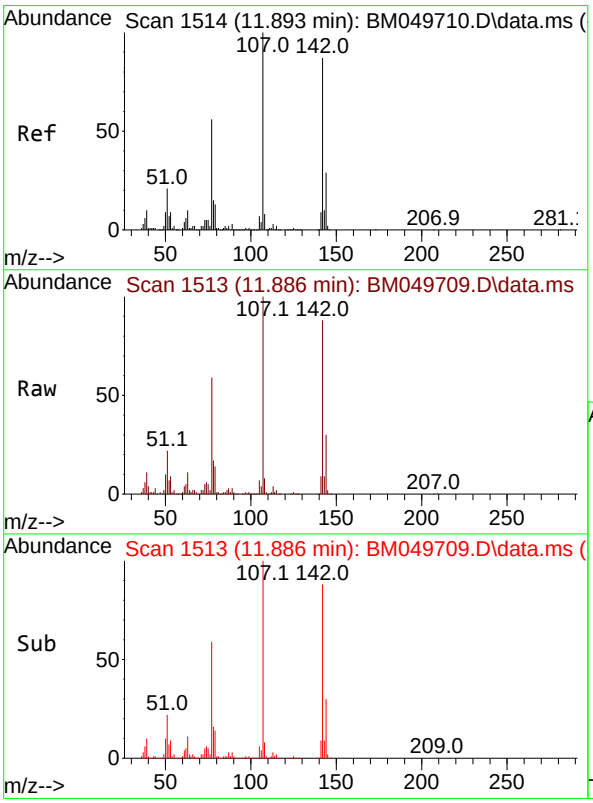
#35
Caprolactam
Concen: 19.446 ng
RT: 11.528 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 77852

Ion	Ratio	Lower	Upper
113	100		
55	167.6	141.8	181.8
56	124.7	98.0	138.0

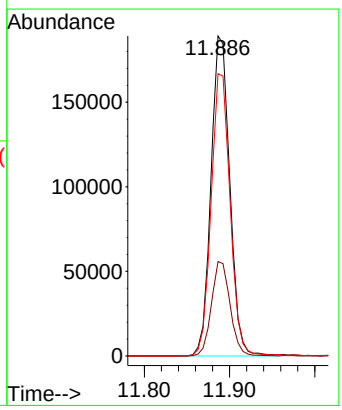


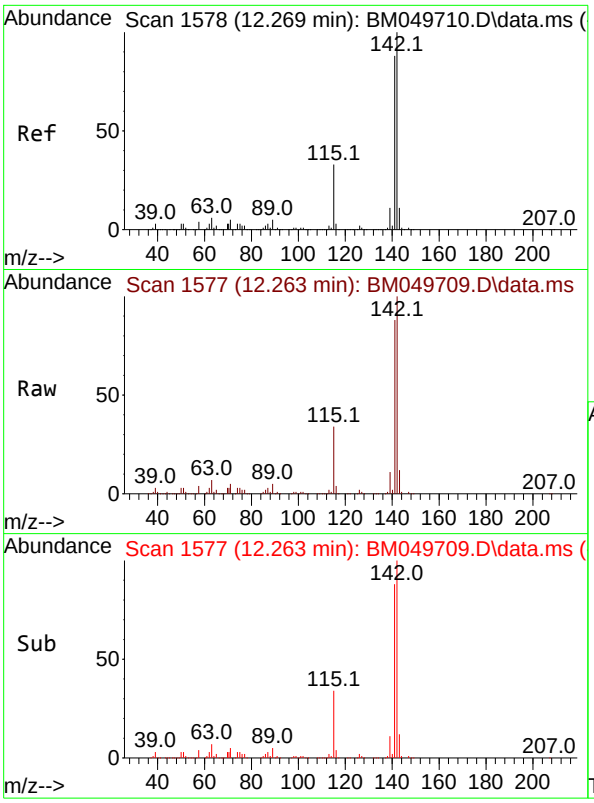


#36
4-Chloro-3-methylphenol
Concen: 19.602 ng
RT: 11.886 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:107 Resp: 290072

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.0	34.6
142	88.2	69.8	104.8



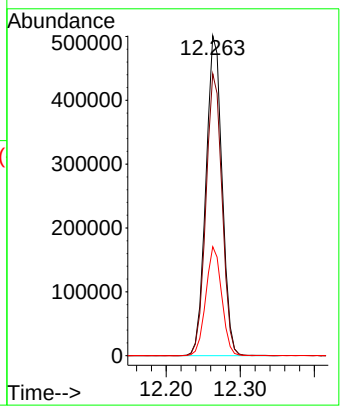


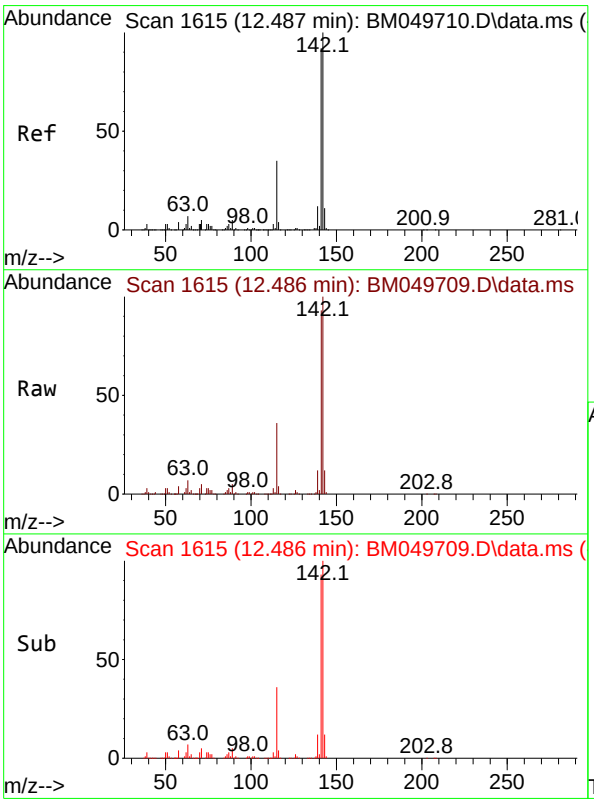
#37
2-Methylnaphthalene
Concen: 19.837 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 758592

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7
115	34.1	26.5	39.7

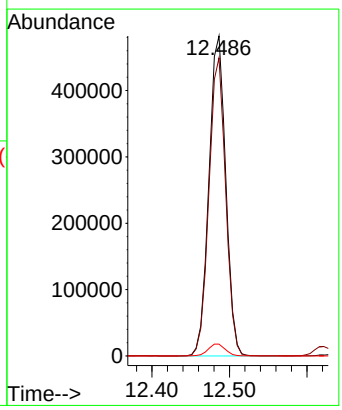


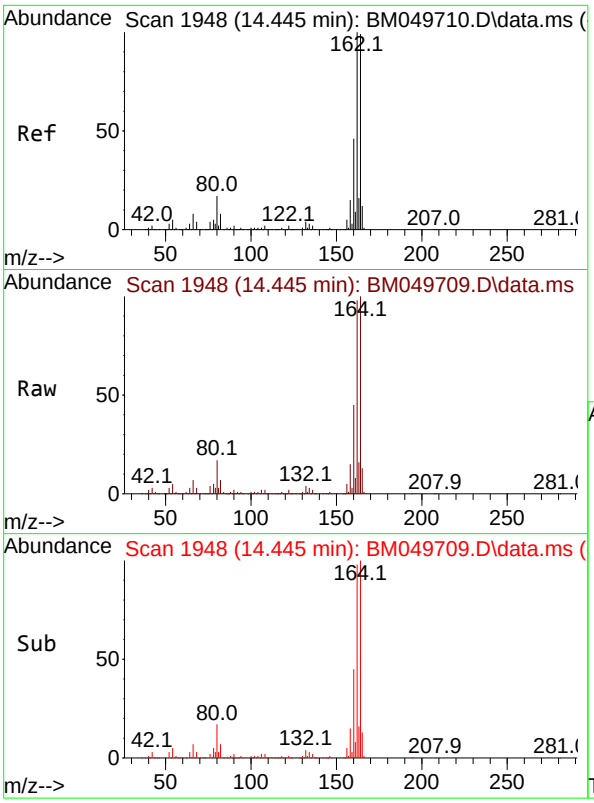


#38
1-Methylnaphthalene
Concen: 19.727 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:142 Resp: 727810

Ion	Ratio	Lower	Upper
142	100		
141	93.2	73.4	110.2
116	3.7	2.8	4.2



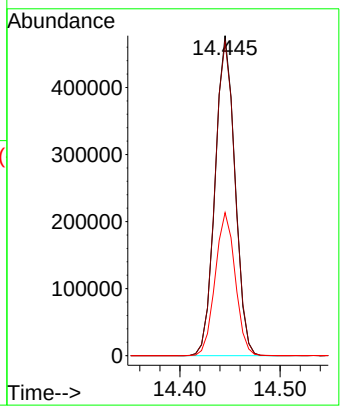


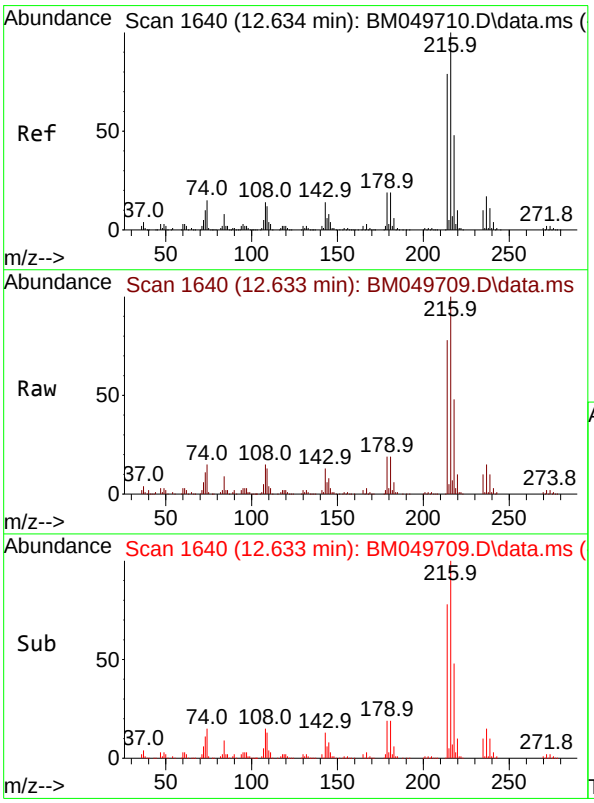
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 653236

Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.5	120.7
160	44.7	36.9	55.3

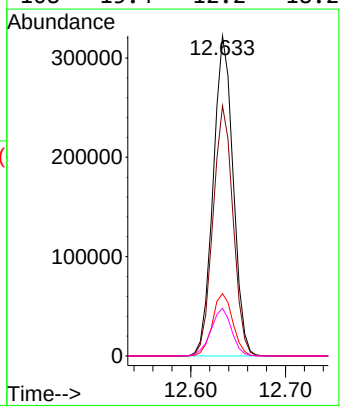


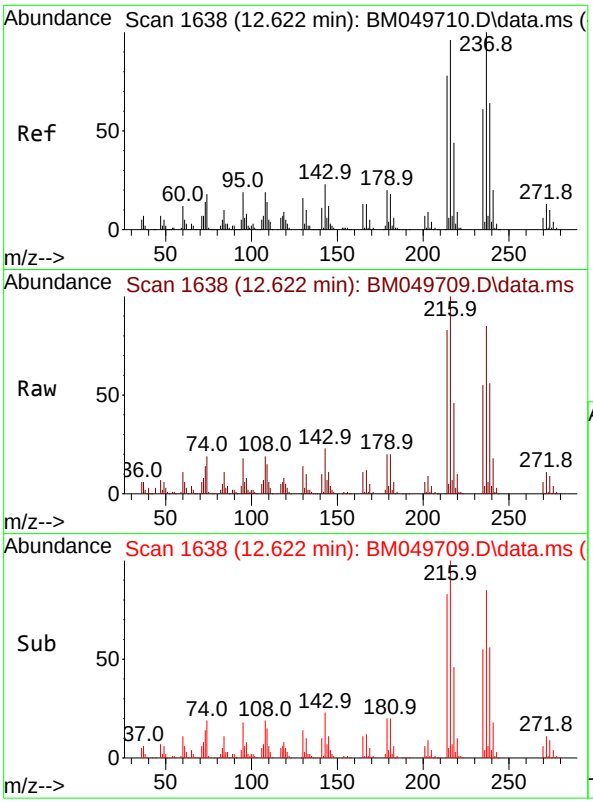


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.699 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:216 Resp: 472680

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.5	95.3
179	19.9	15.7	23.5
108	15.4	12.2	18.2



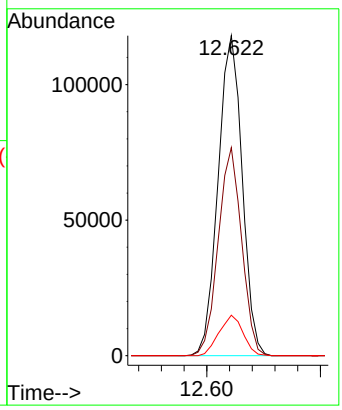


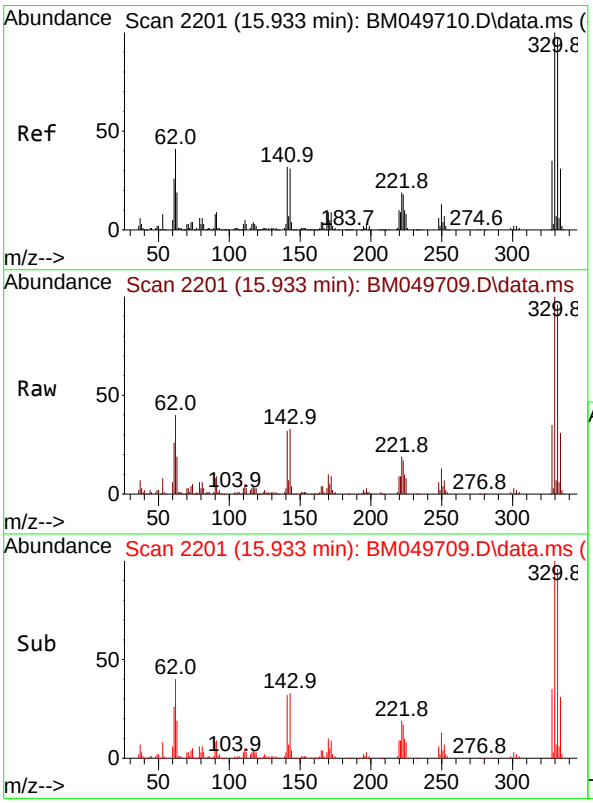
#41
Hexachlorocyclopentadiene
Concen: 19.550 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 173785

Ion	Ratio	Lower	Upper
237	100		
235	65.0	41.1	81.1
272	12.6	0.0	32.5

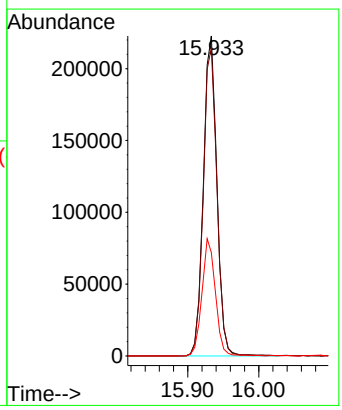


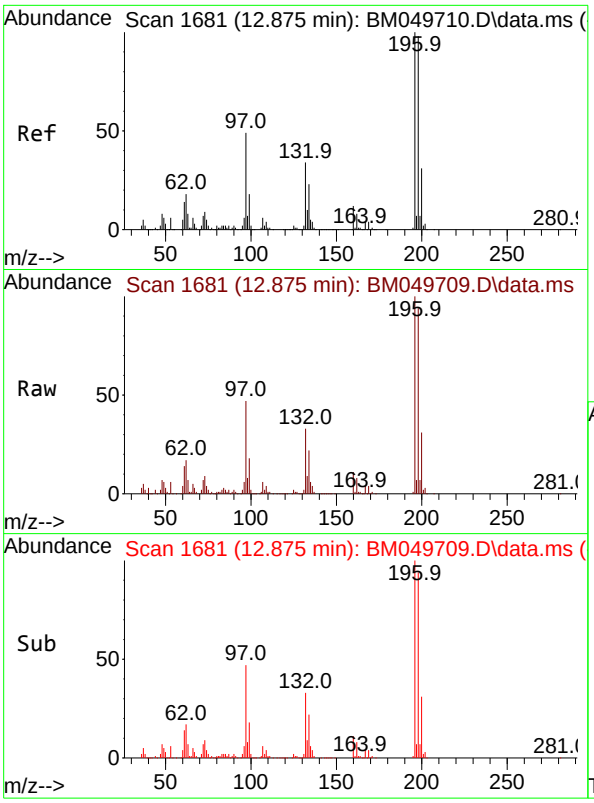


#42
2,4,6-Tribromophenol
Concen: 38.742 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:330 Resp: 295521

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.4
141	36.5	27.8	41.6



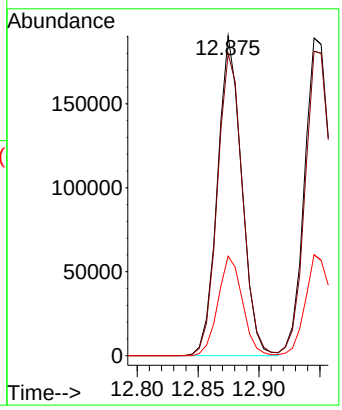


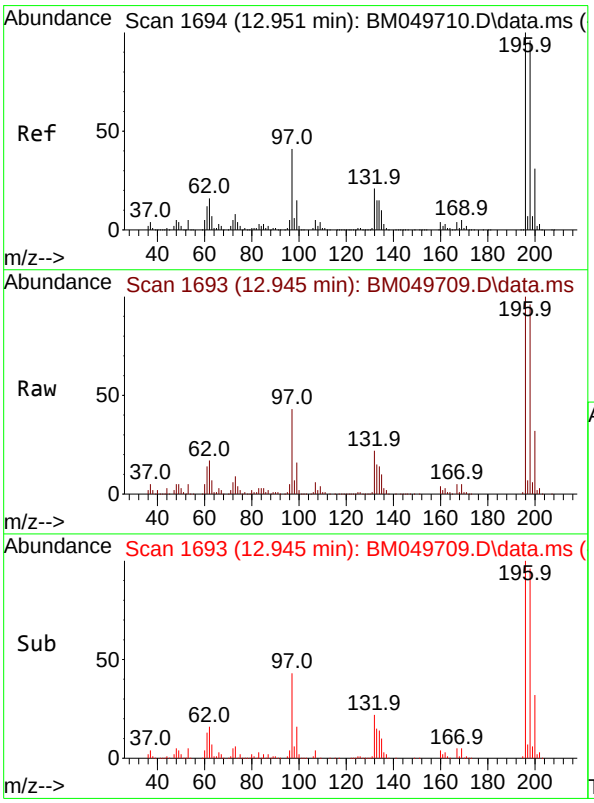
#43
2,4,6-Trichlorophenol
Concen: 19.647 ng
RT: 12.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 264033

Ion	Ratio	Lower	Upper
196	100		
198	94.4	78.3	117.5
200	31.1	25.1	37.7

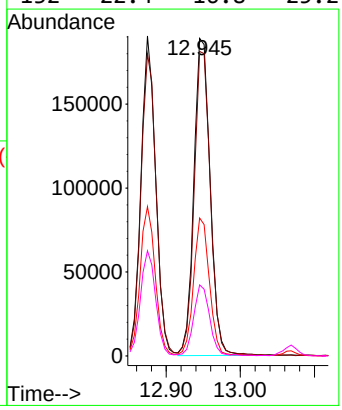


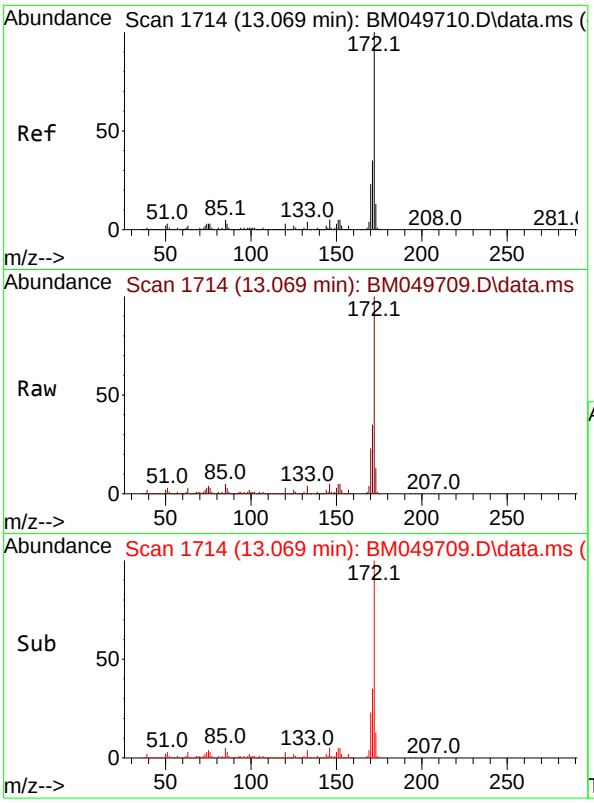


#44
2,4,5-Trichlorophenol
Concen: 19.723 ng
RT: 12.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:196 Resp: 289238

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	43.5	32.9	49.3
132	22.4	16.8	25.2



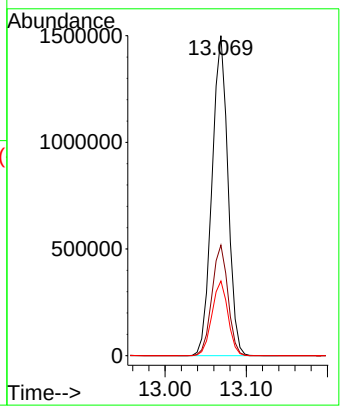


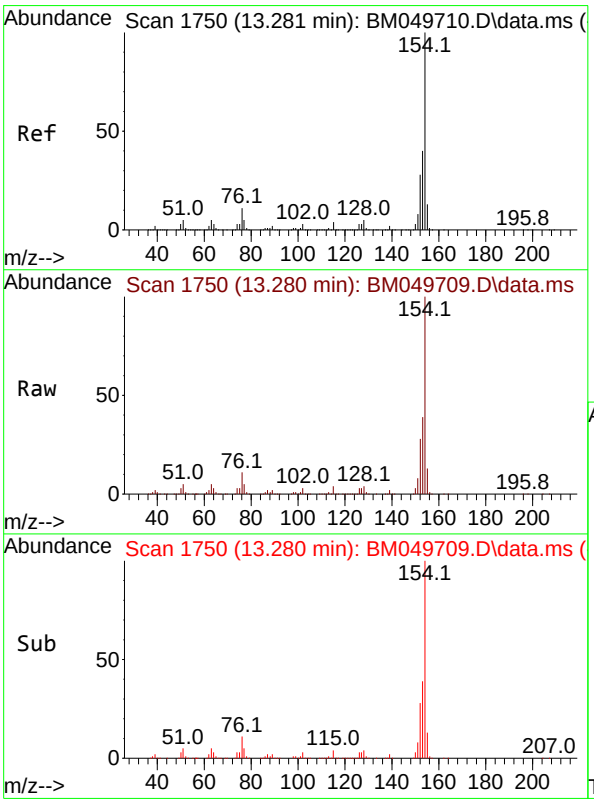
#45
2-Fluorobiphenyl
Concen: 39.155 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2042299

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.3	18.6	28.0

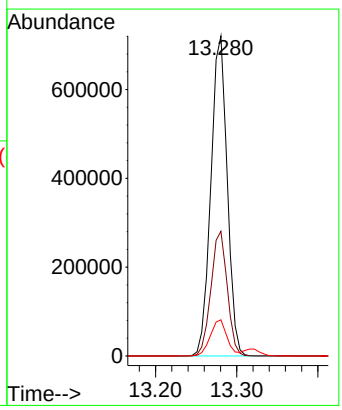


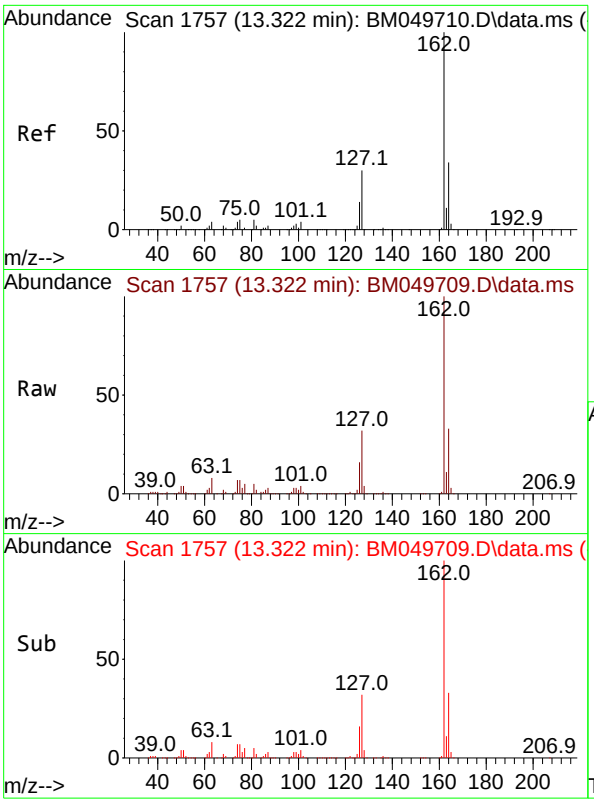


#46
1,1'-Biphenyl
Concen: 19.963 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:154 Resp: 1005064

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.7	59.7
76	11.3	0.0	31.2



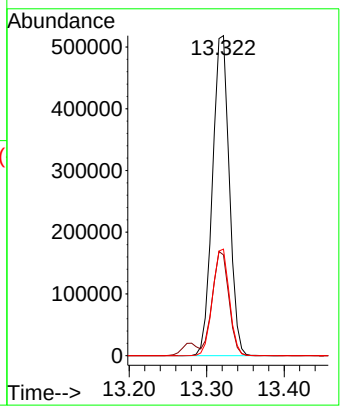


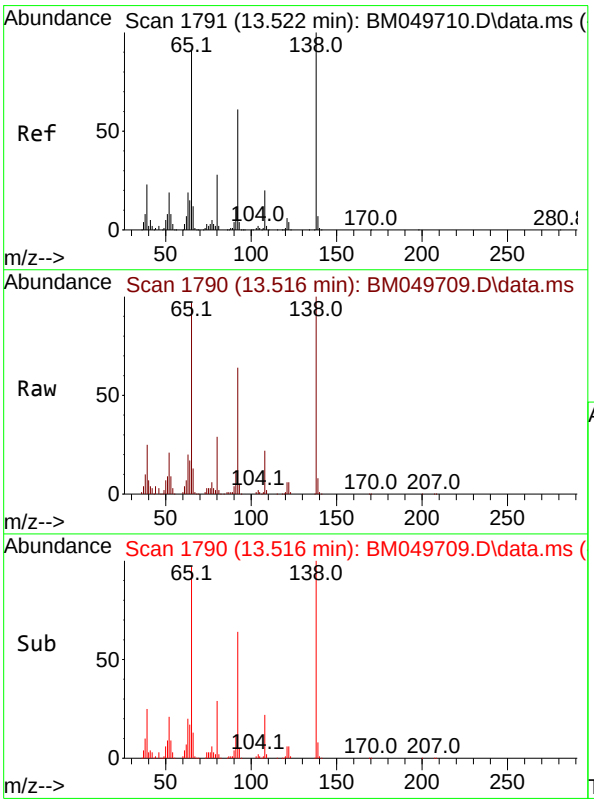
#47
2-Chloronaphthalene
Concen: 19.898 ng
RT: 13.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 779763

Ion	Ratio	Lower	Upper
162	100		
127	31.5	25.8	38.6
164	33.3	27.1	40.7

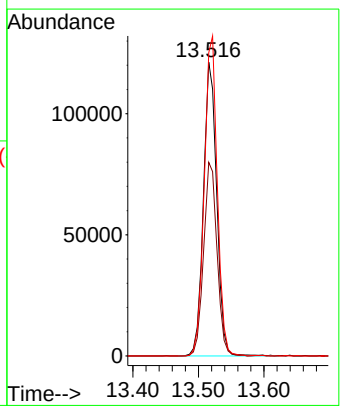


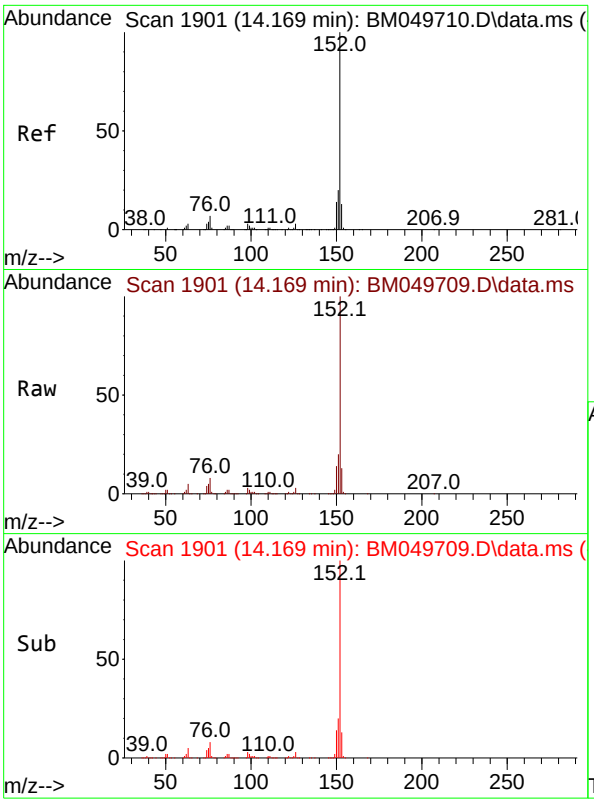


#48
2-Nitroaniline
Concen: 19.426 ng
RT: 13.516 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 65 Resp: 170895

Ion	Ratio	Lower	Upper
65	100		
92	65.9	53.4	80.2
138	103.2	87.6	131.4



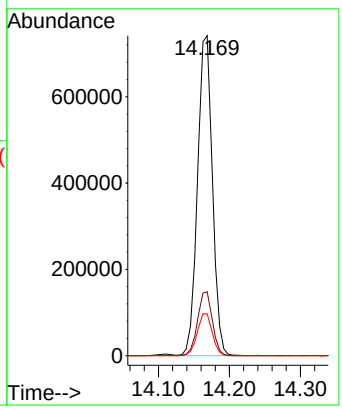


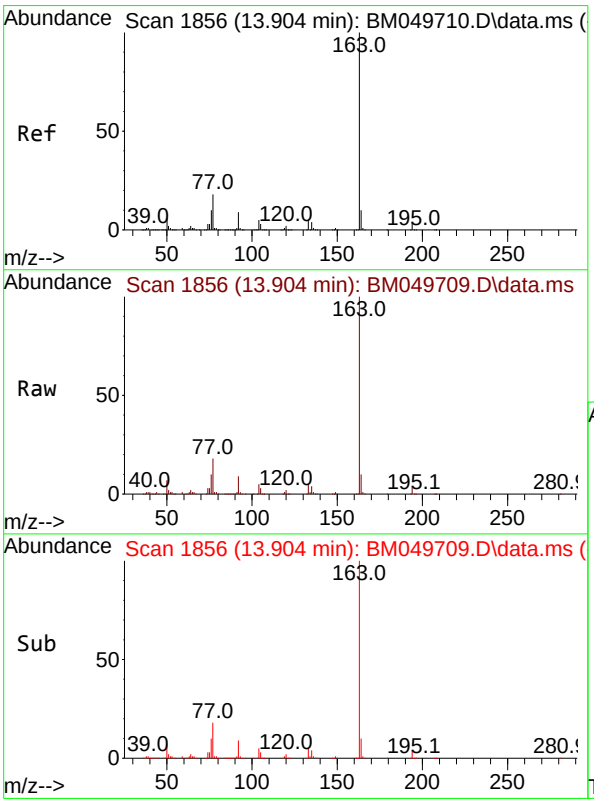
#49
Acenaphthylene
Concen: 19.752 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1081919

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.1	10.2	15.4

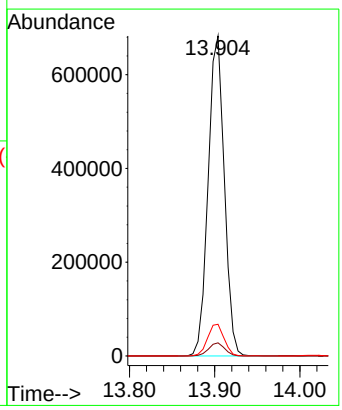


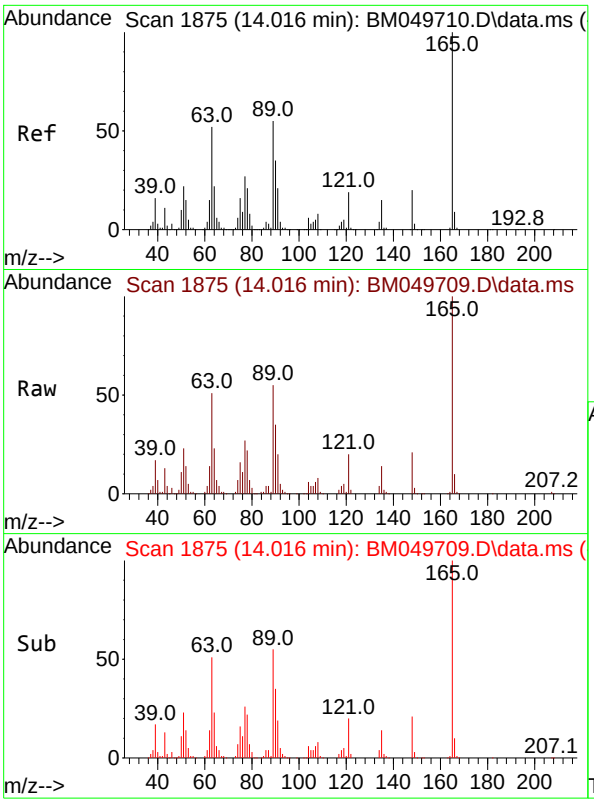


#50
Dimethylphthalate
Concen: 20.003 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:163 Resp: 899648

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.2	12.2



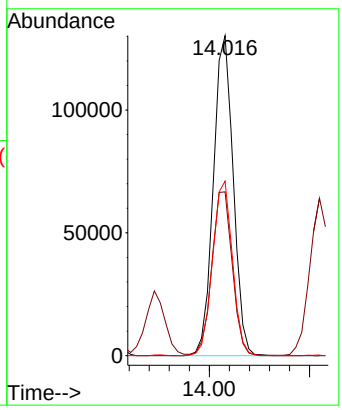


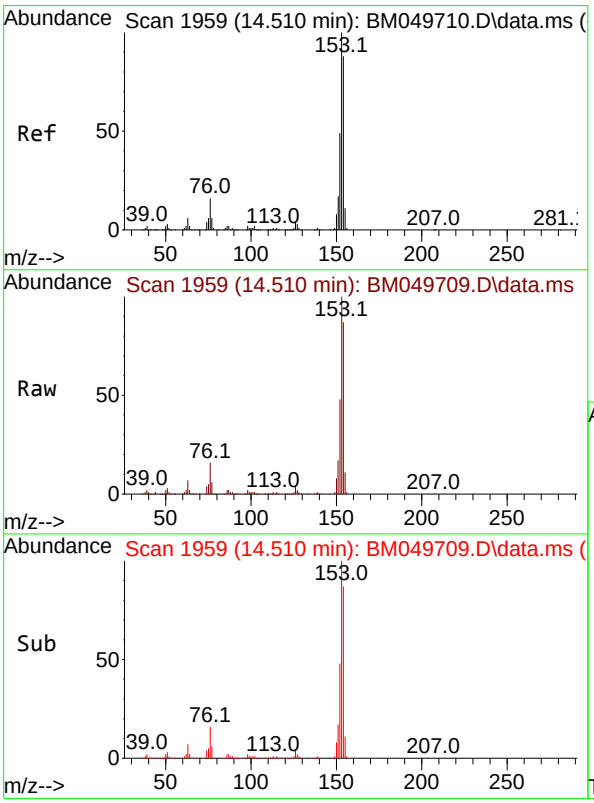
#51
2,6-Dinitrotoluene
Concen: 19.851 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 178893

Ion	Ratio	Lower	Upper
165	100		
63	51.2	42.3	63.5
89	54.5	43.9	65.9

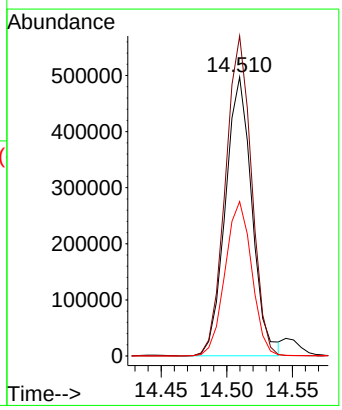


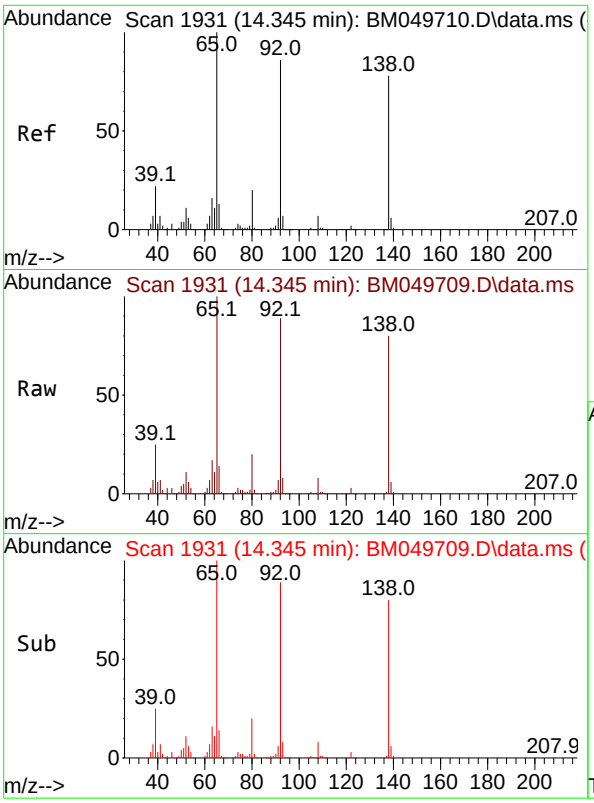


#52
Acenaphthene
Concen: 19.519 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:154 Resp: 700438

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.4	135.6
152	55.4	44.2	66.2



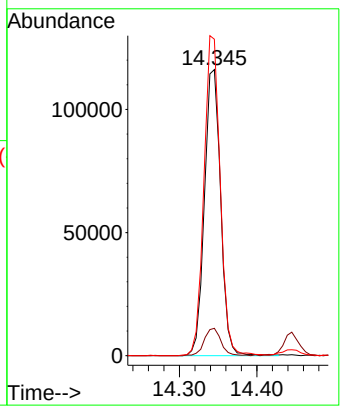


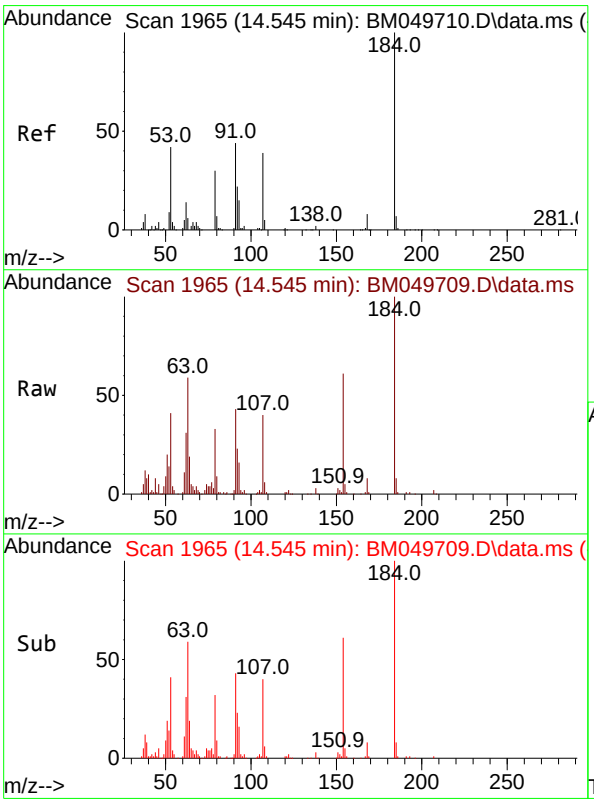
#53
3-Nitroaniline
Concen: 19.697 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 168909

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.5	11.3
92	110.6	88.0	132.0

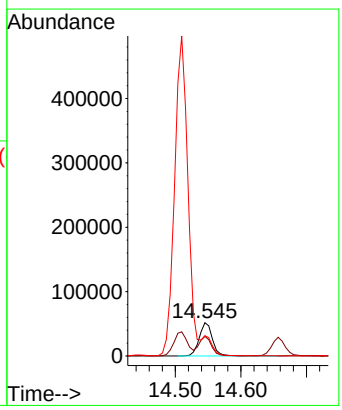


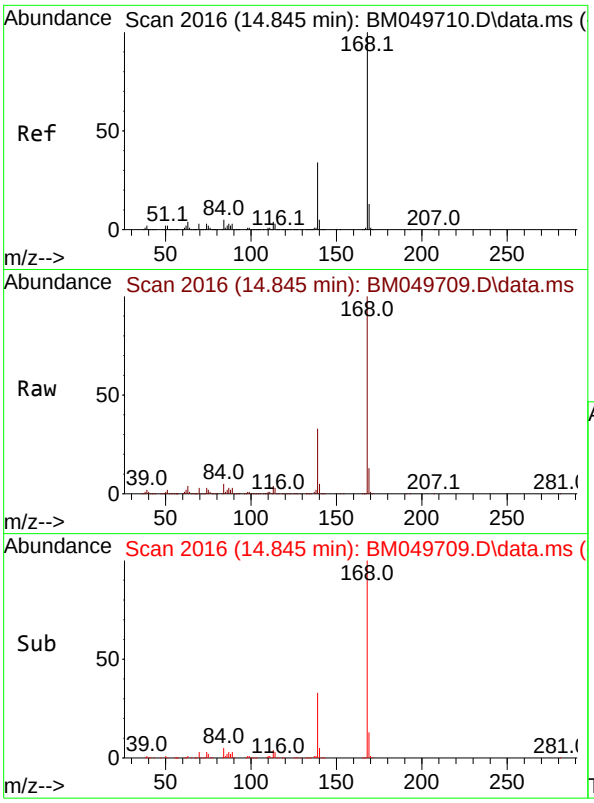


#54
2,4-Dinitrophenol
Concen: 20.242 ng
RT: 14.545 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:184 Resp: 72346

Ion	Ratio	Lower	Upper
184	100		
63	58.9	47.2	70.8
154	60.9	49.9	74.9



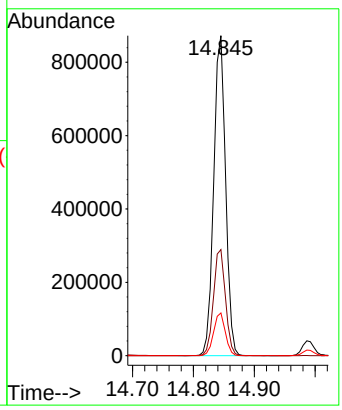


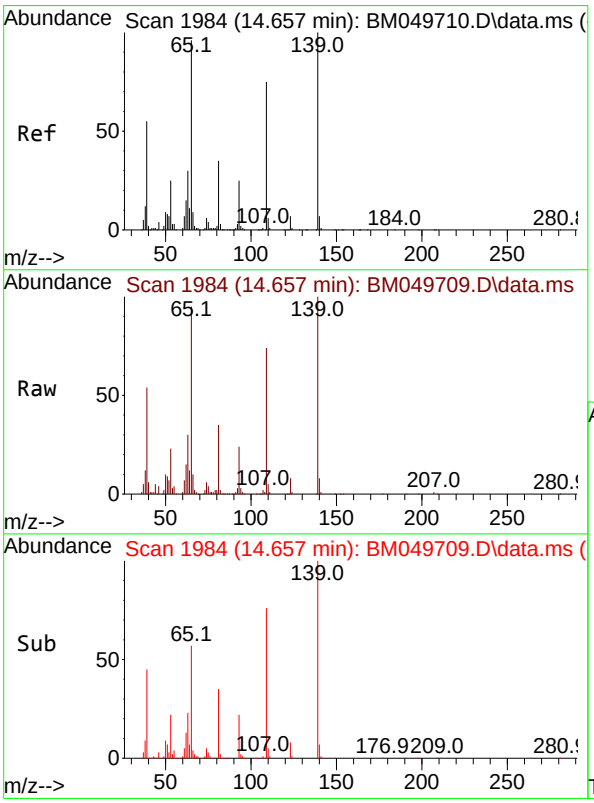
#55
Dibenzofuran
Concen: 19.789 ng
RT: 14.845 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1184764

Ion	Ratio	Lower	Upper
168	100		
139	33.2	27.4	41.0
169	13.4	10.7	16.1

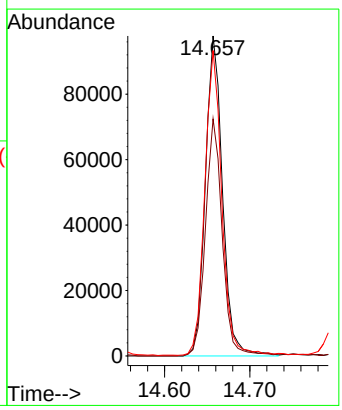


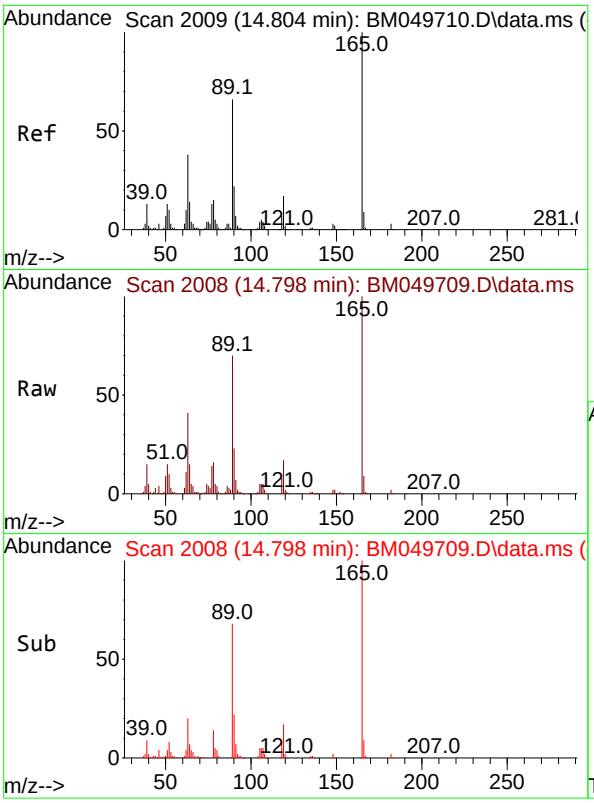


#56
4-Nitrophenol
Concen: 18.344 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:139 Resp: 136931

Ion	Ratio	Lower	Upper
139	100		
109	74.1	54.7	94.7
65	95.5	76.2	116.2



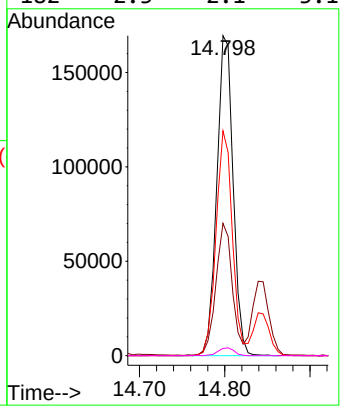


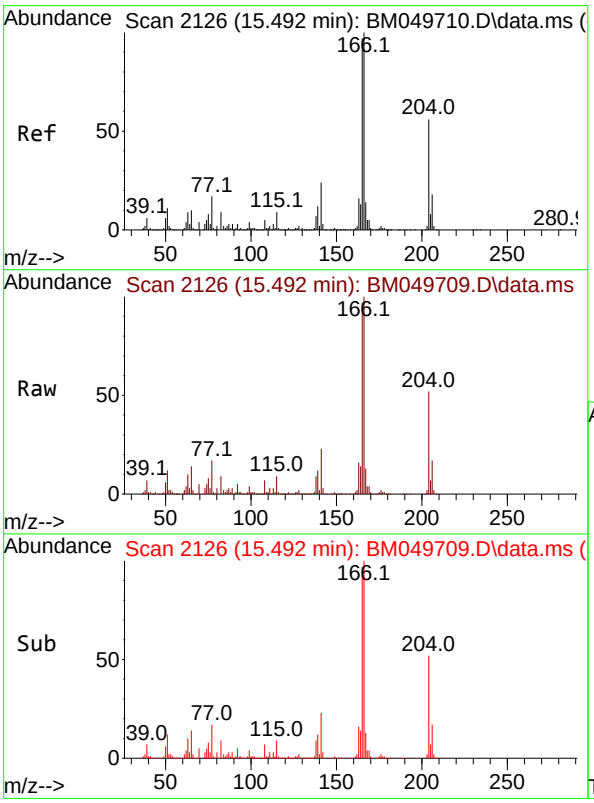
#57
2,4-Dinitrotoluene
Concen: 19.418 ng
RT: 14.798 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 225172

Ion	Ratio	Lower	Upper
165	100		
63	41.3	30.8	46.2
89	70.3	53.1	79.7
182	2.3	2.1	3.1

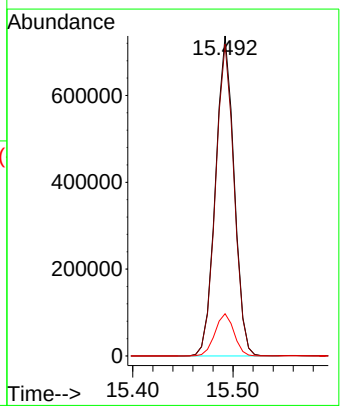


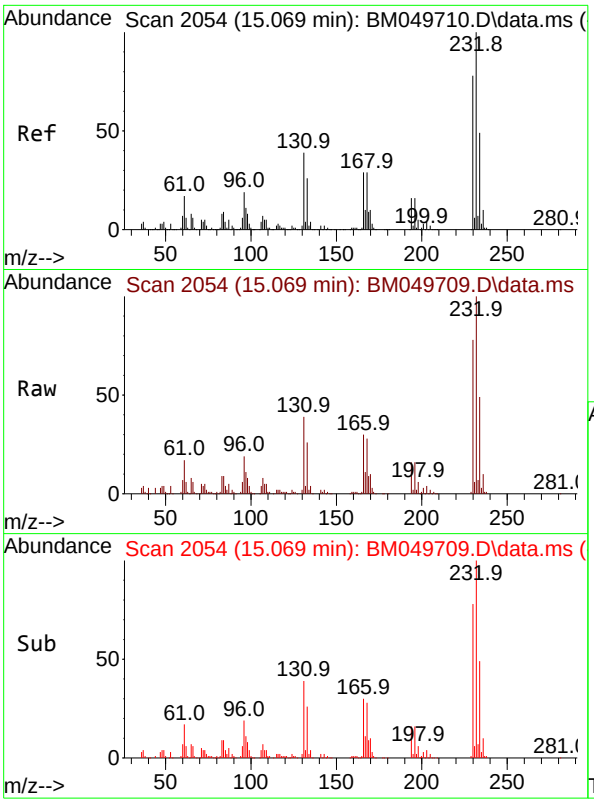


#58
Fluorene
Concen: 19.484 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:166 Resp: 949720

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.5	116.3
167	13.2	10.9	16.3



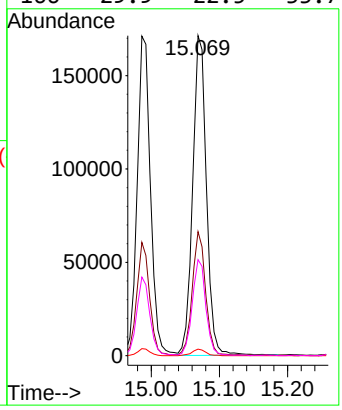


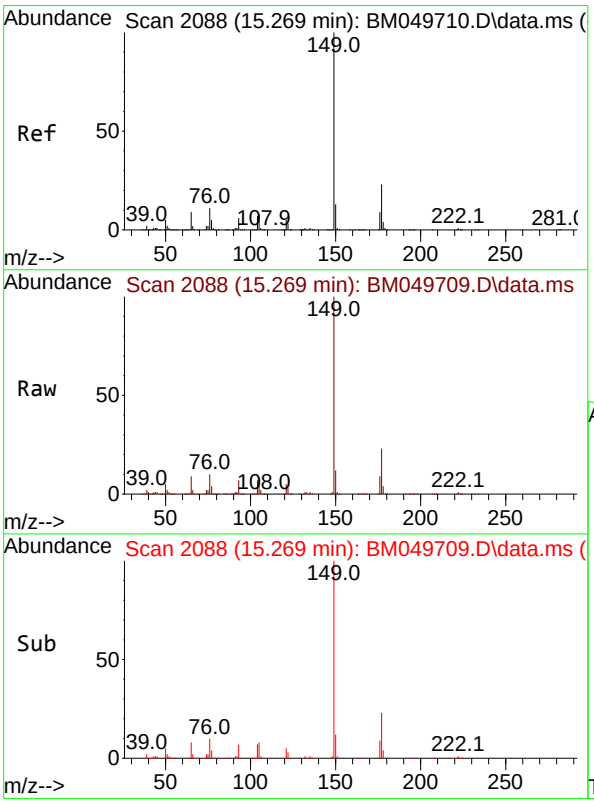
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.485 ng
RT: 15.069 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 239188

Ion	Ratio	Lower	Upper
232	100		
131	37.1	30.0	45.0
130	2.0	1.6	2.4
166	29.9	22.5	33.7

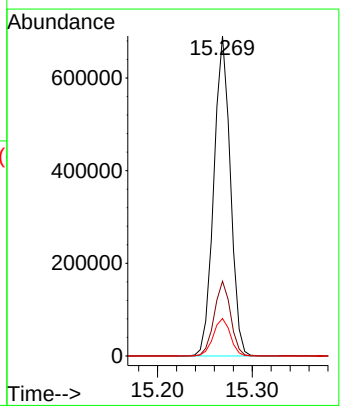


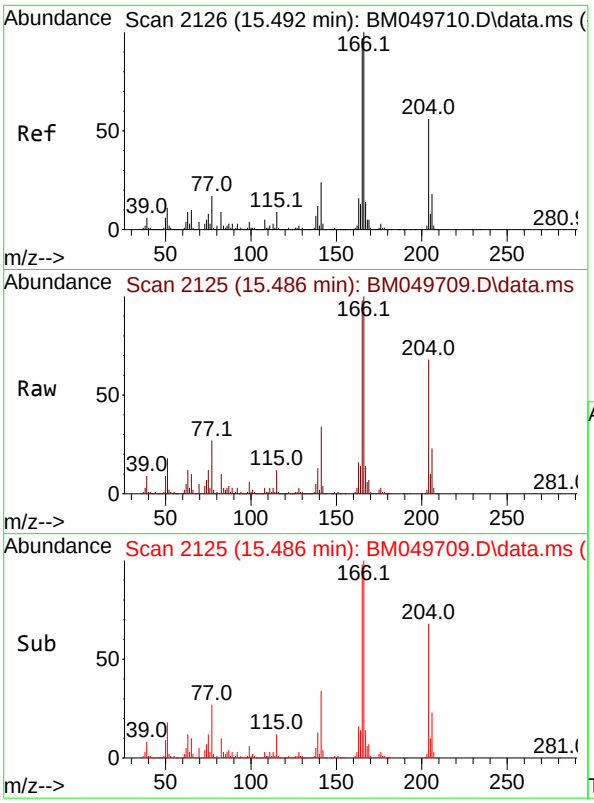


#60
Diethylphthalate
Concen: 19.824 ng
RT: 15.269 min Scan# 2088
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:149 Resp: 839716

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.2	27.2
150	11.7	10.0	15.0



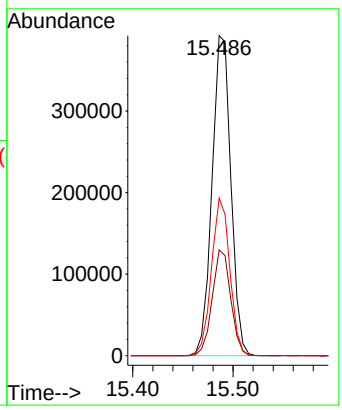


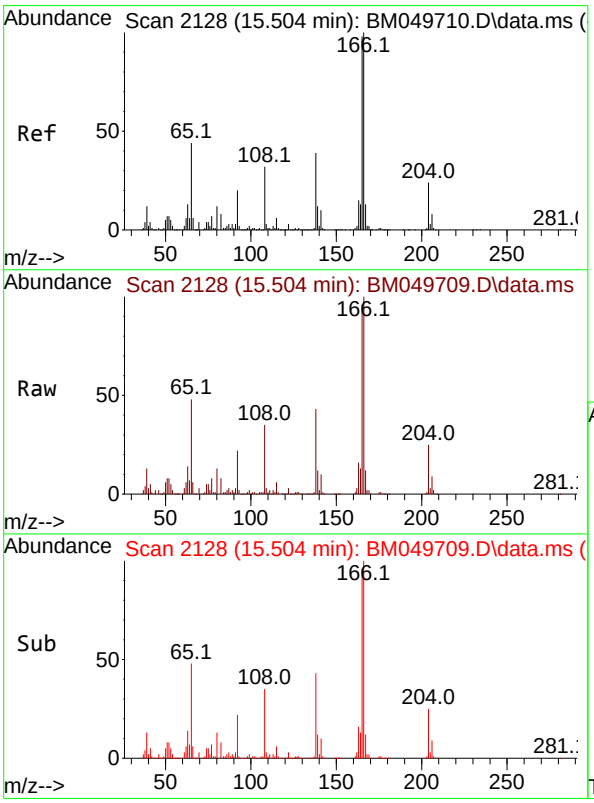
#61
4-Chlorophenyl-phenylether
Concen: 19.223 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 511663

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	49.2	34.5	51.7

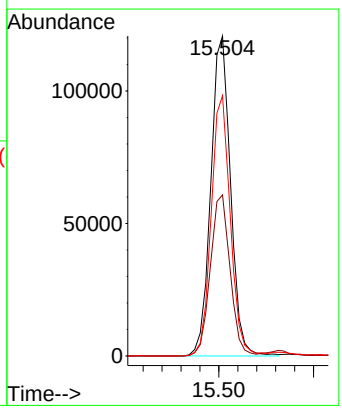


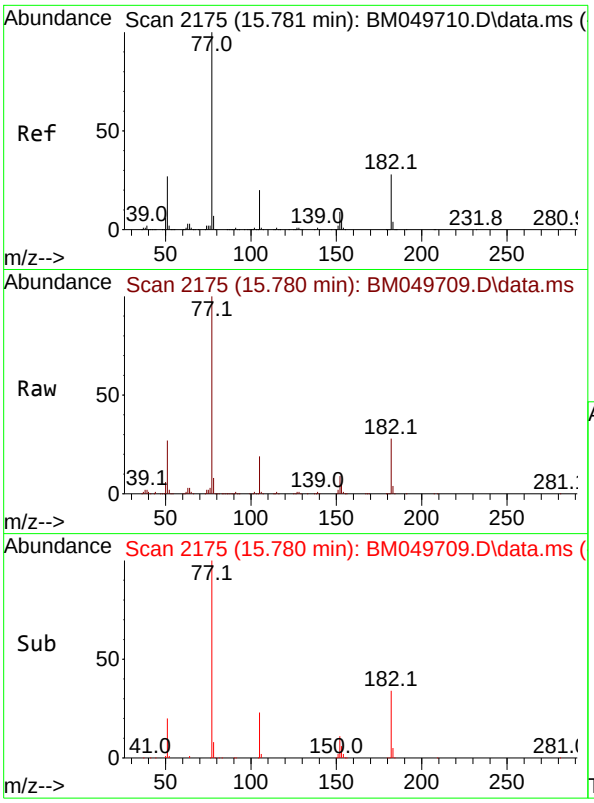


#62
4-Nitroaniline
Concen: 19.525 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:138 Resp: 174539

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.8	69.8
108	81.3	61.3	101.3



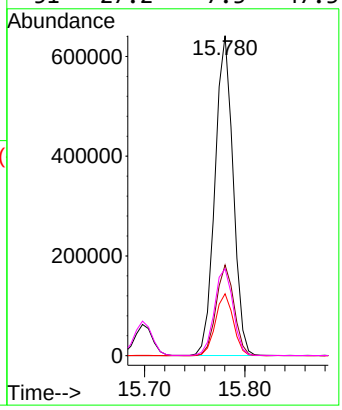


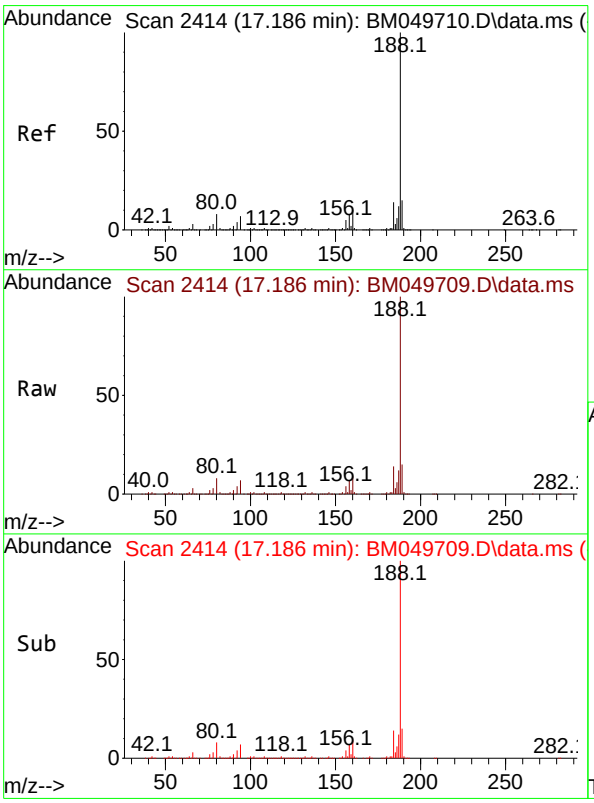
#63
Azobenzene
Concen: 19.889 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 804689

Ion	Ratio	Lower	Upper
77	100		
182	28.3	8.0	48.0
105	19.3	0.0	40.0
51	27.2	7.3	47.3

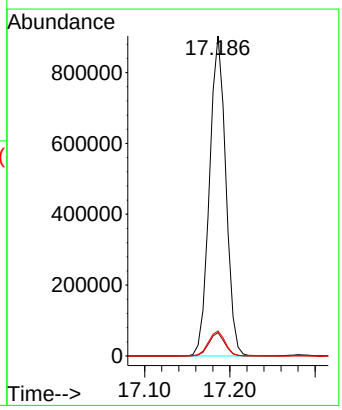


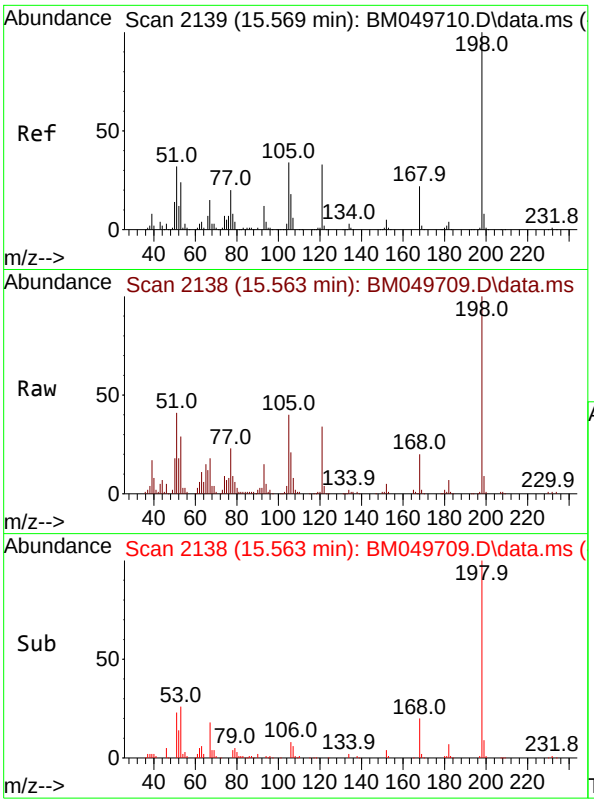


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:188 Resp: 1202916

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.8	6.3	9.5



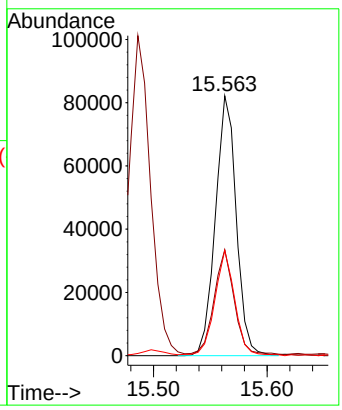


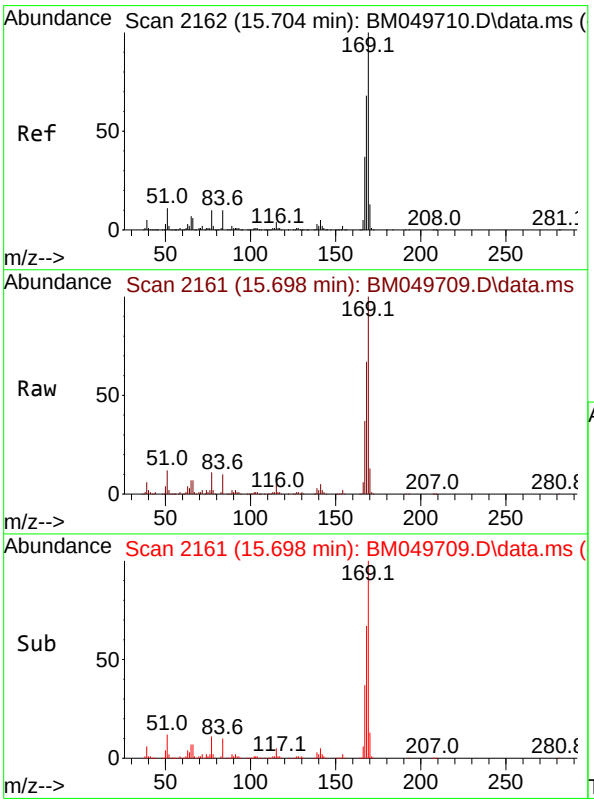
#65
4,6-Dinitro-2-methylphenol
Concen: 20.361 ng
RT: 15.563 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 105000

Ion	Ratio	Lower	Upper
198	100		
51	40.8	13.8	53.8
105	40.5	14.0	54.0

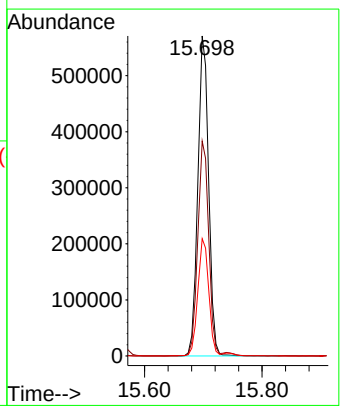


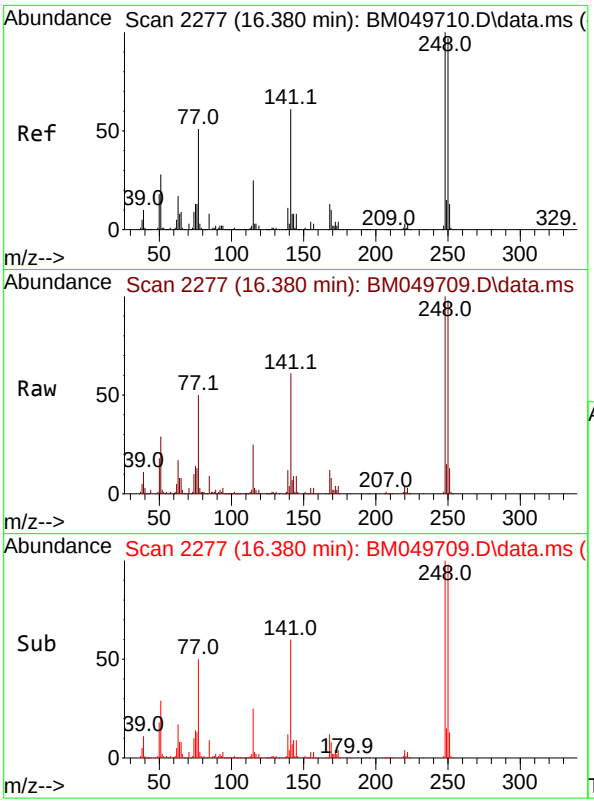


#66
n-Nitrosodiphenylamine
Concen: 19.917 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:169 Resp: 725911

Ion	Ratio	Lower	Upper
169	100		
168	67.2	54.8	82.2
167	36.7	29.9	44.9



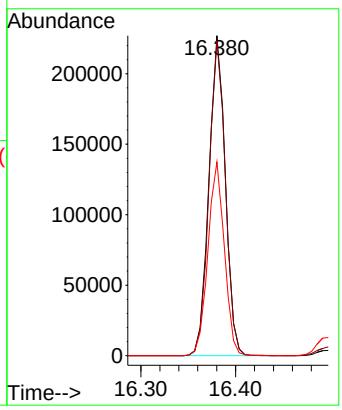


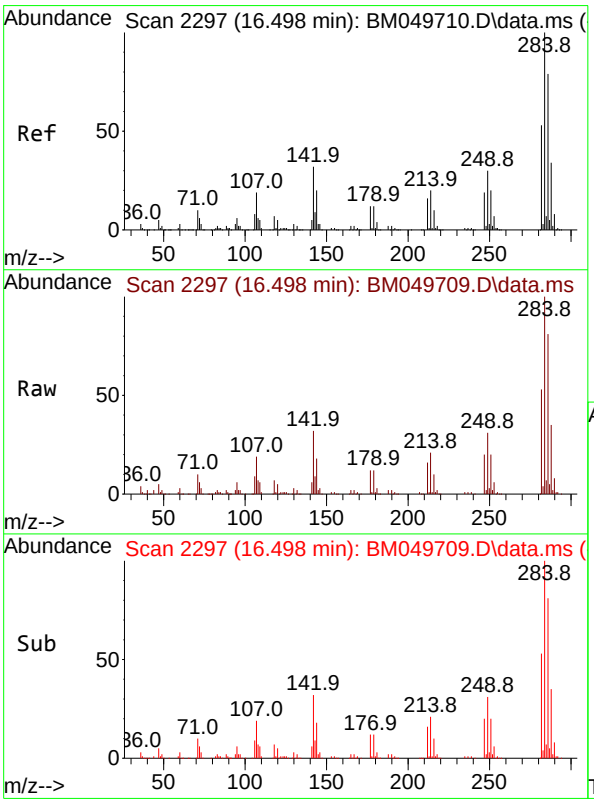
#67
4-Bromophenyl-phenylether
Concen: 19.663 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 273093

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.9	116.9
141	60.6	48.6	73.0

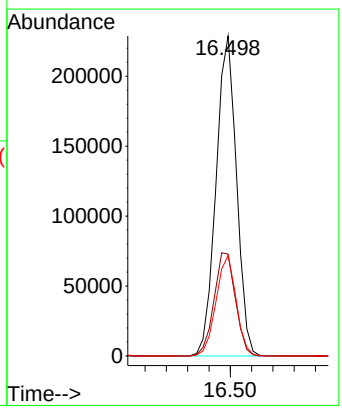


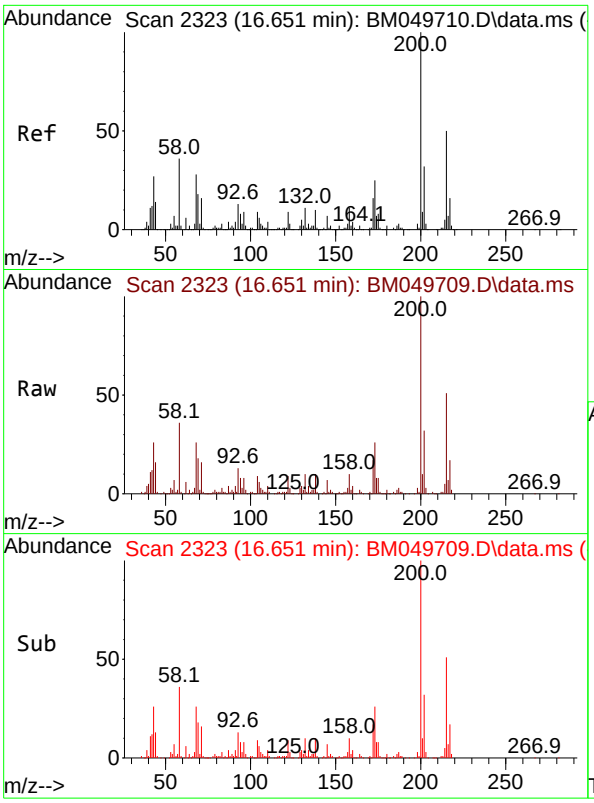


#68
Hexachlorobenzene
Concen: 19.505 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:284 Resp: 304632

Ion	Ratio	Lower	Upper
284	100		
142	31.8	25.5	38.3
249	31.4	24.2	36.2



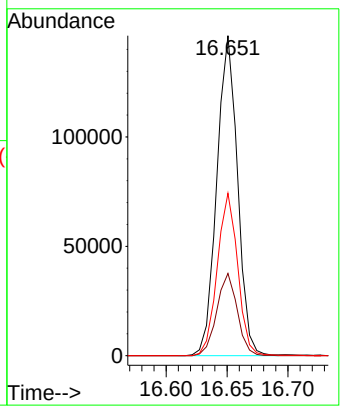


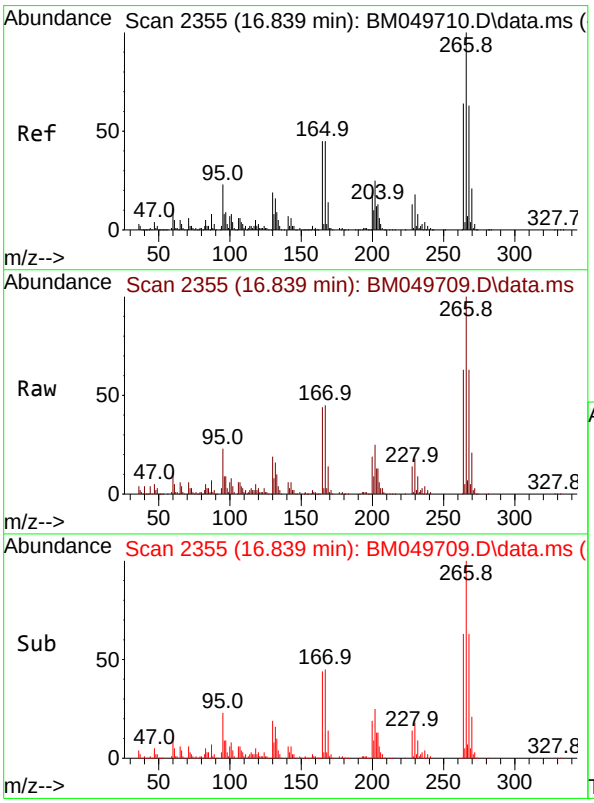
#69
Atrazine
Concen: 21.592 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 173431

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.4	45.4
215	50.8	29.8	69.8

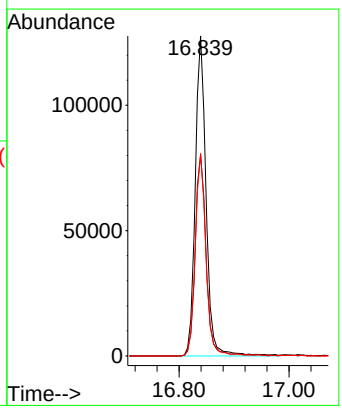


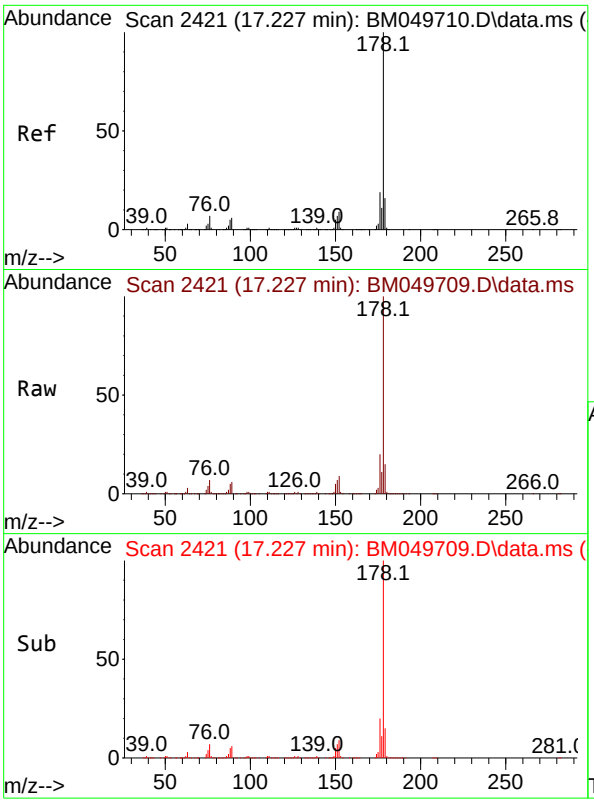


#70
Pentachlorophenol
Concen: 17.794 ng
RT: 16.839 min Scan# 2355
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:266 Resp: 174643

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.2	75.2
264	63.3	51.3	76.9



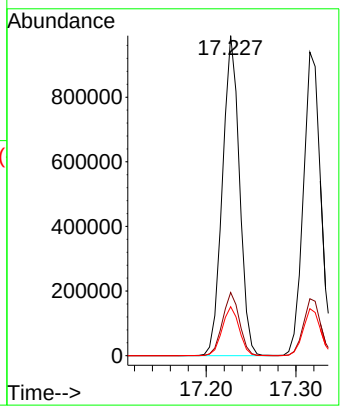


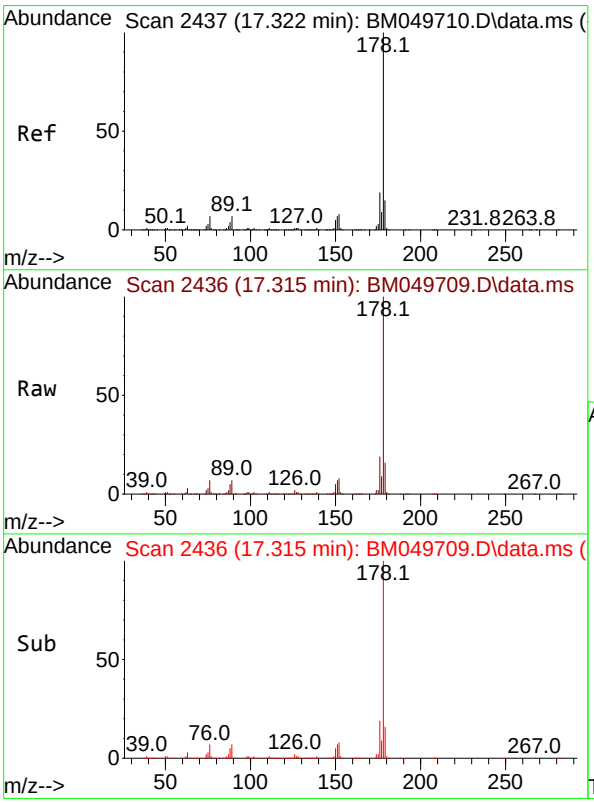
#71
Phenanthrene
Concen: 19.532 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1304624

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.3	12.5	18.7

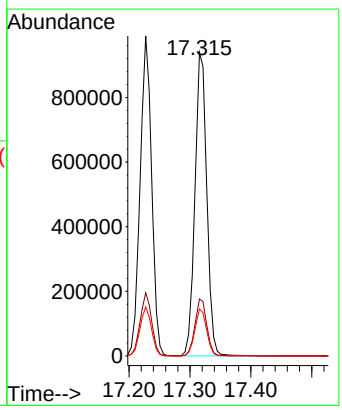


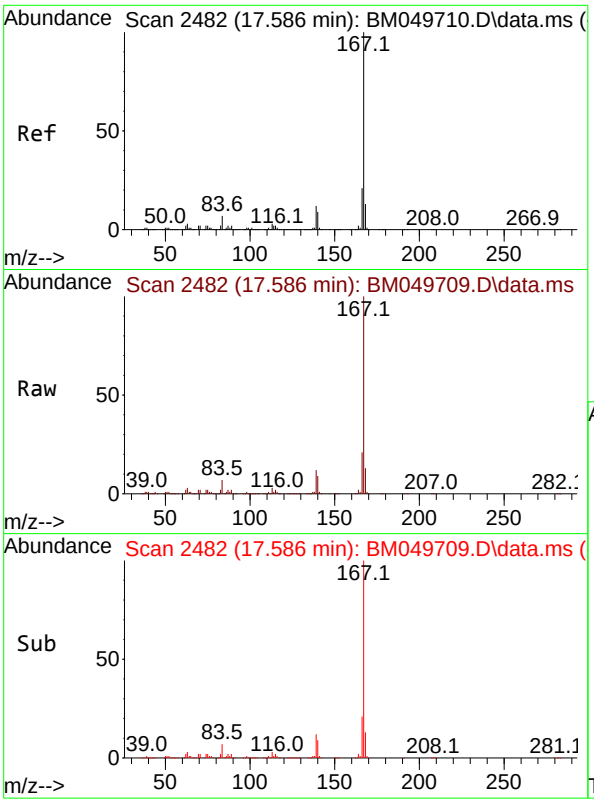


#72
Anthracene
Concen: 19.617 ng
RT: 17.315 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:178 Resp: 1269013

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.5	12.4	18.6



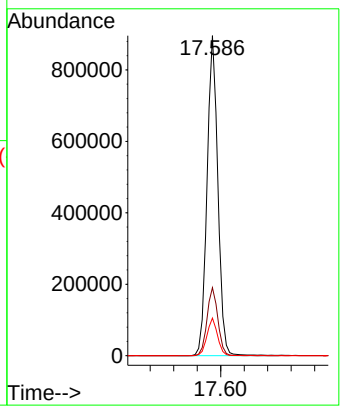


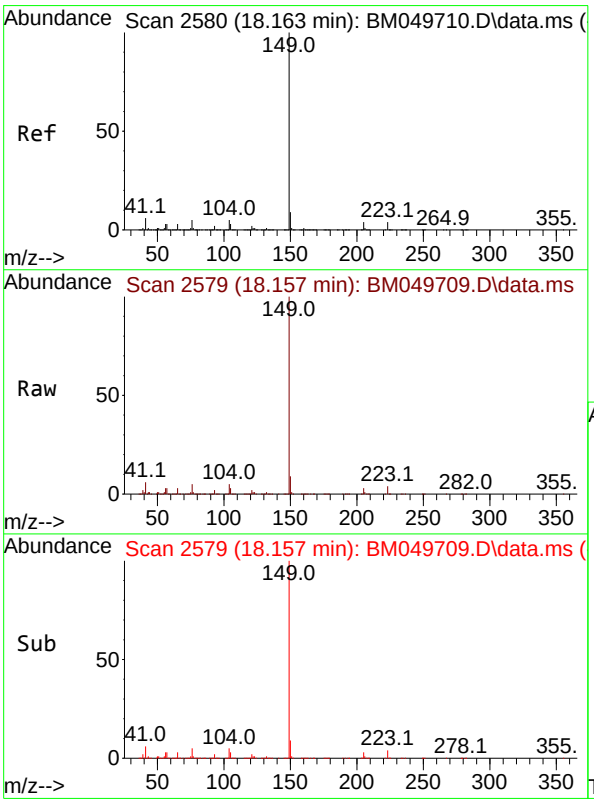
#73
Carbazole
Concen: 19.557 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1145728

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	11.7	9.4	14.2

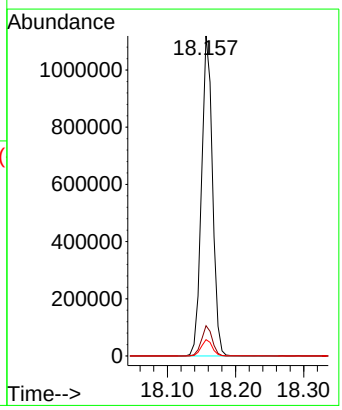


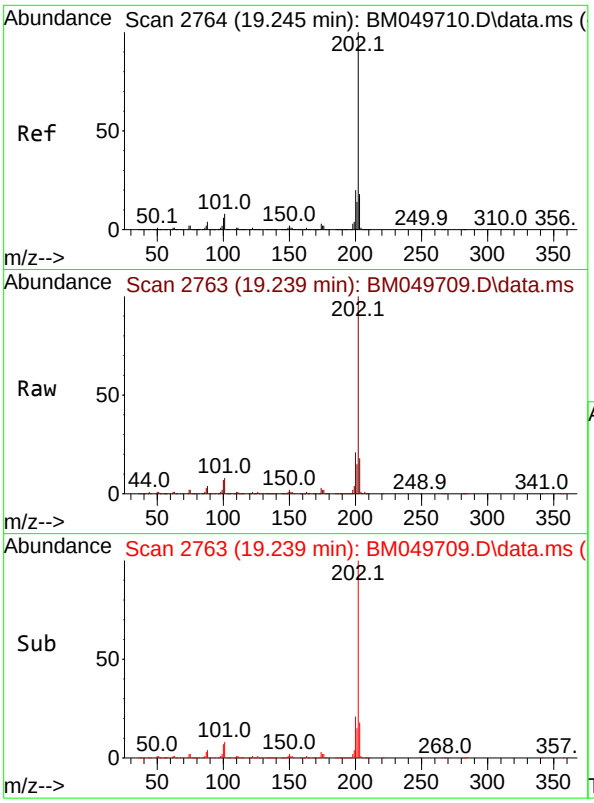


#74
Di-n-butylphthalate
Concen: 19.530 ng
RT: 18.157 min Scan# 2579
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:149 Resp: 1254005

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	5.1	3.9	5.9



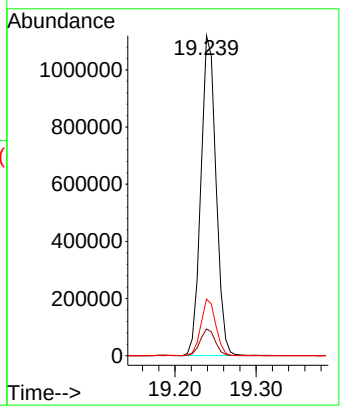


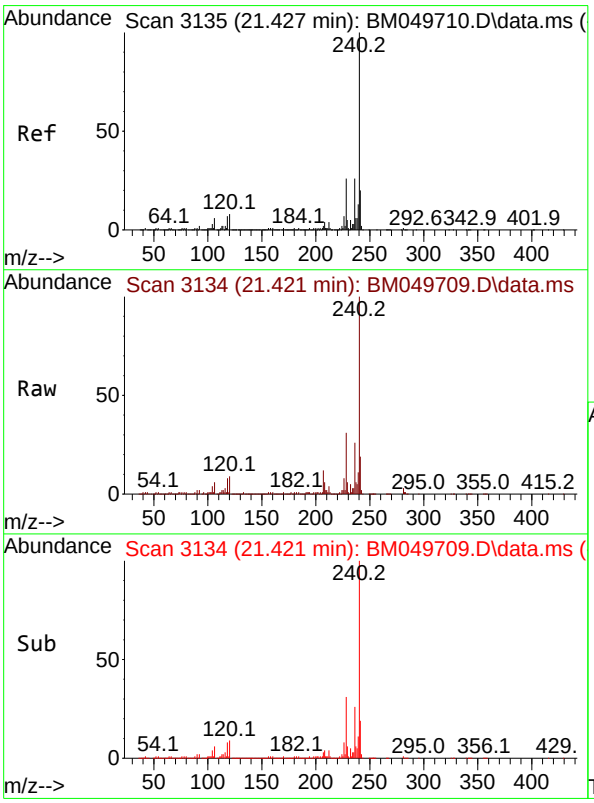
#75
Fluoranthene
Concen: 18.815 ng
RT: 19.239 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1446853

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.8
203	17.7	0.0	37.6

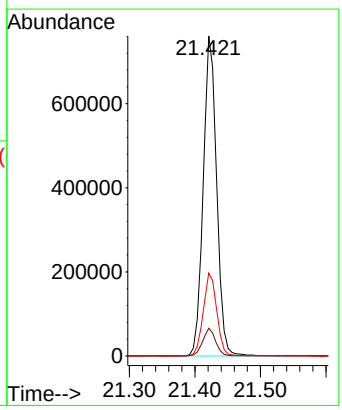


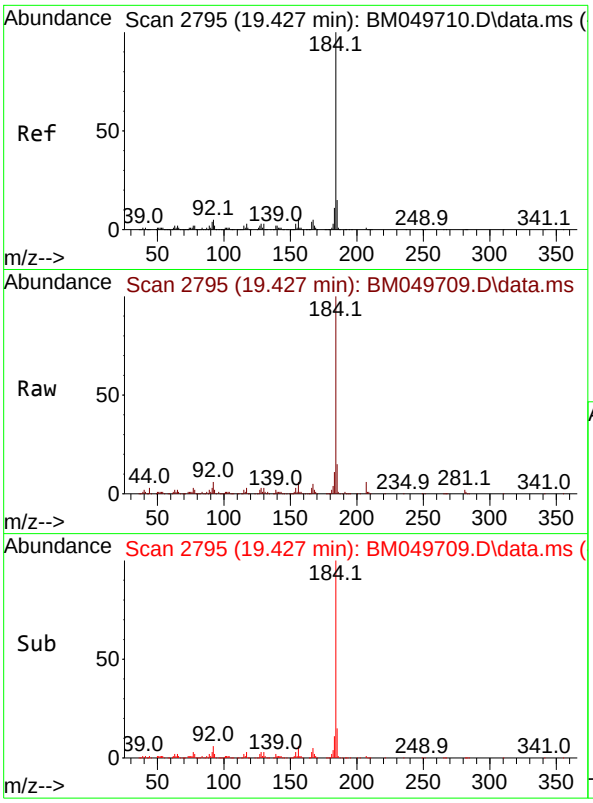


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:240 Resp: 1084099

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.5	9.7
236	25.9	20.7	31.1



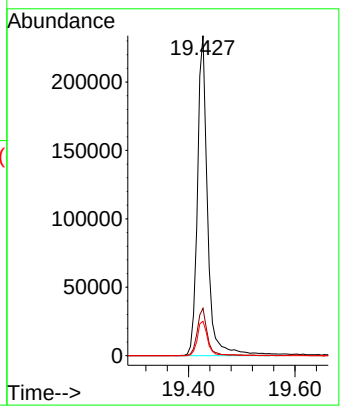


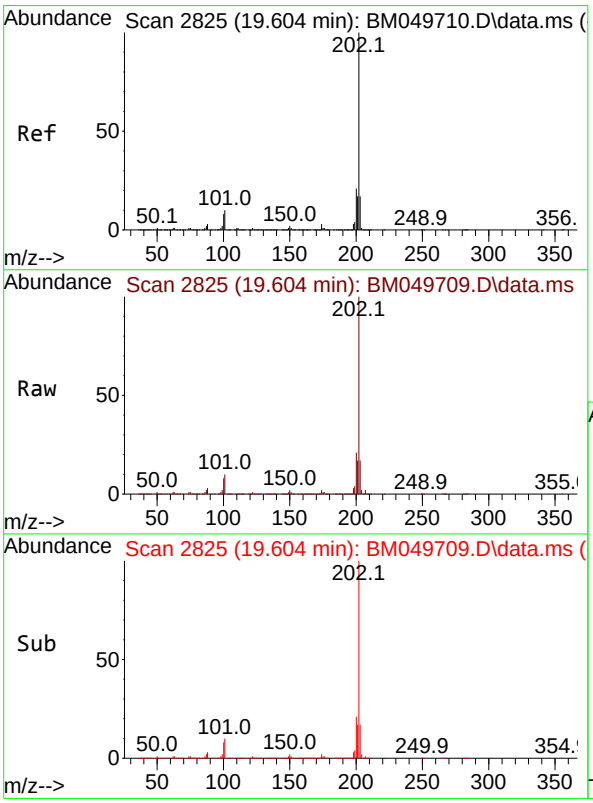
#77
Benzidine
Concen: 23.868 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 310871

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.7	17.5
183	10.8	8.8	13.2

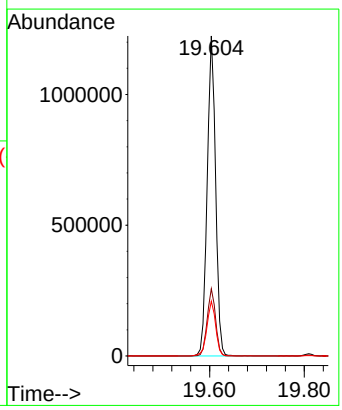


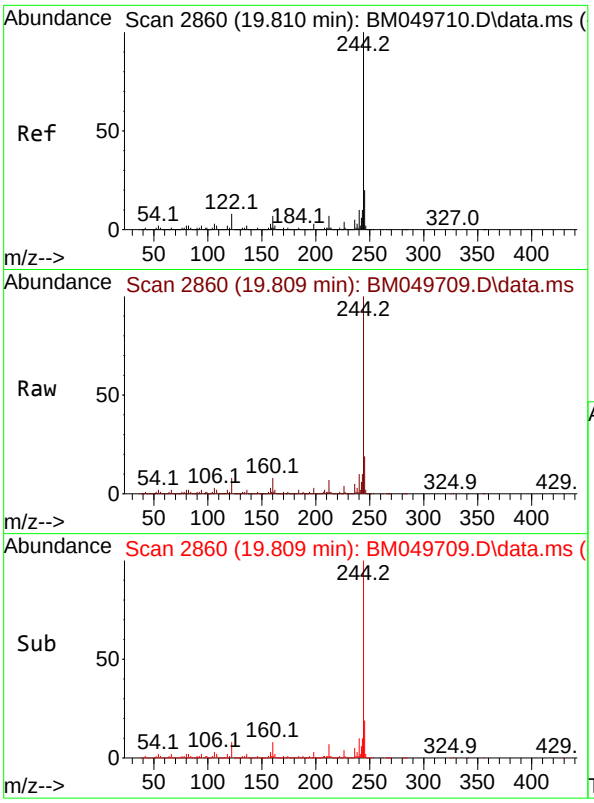


#78
Pyrene
Concen: 19.900 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:202 Resp: 1507240

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.1	14.0	21.0



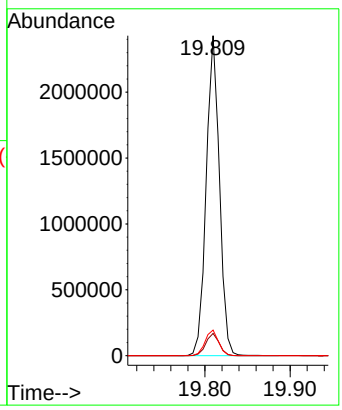


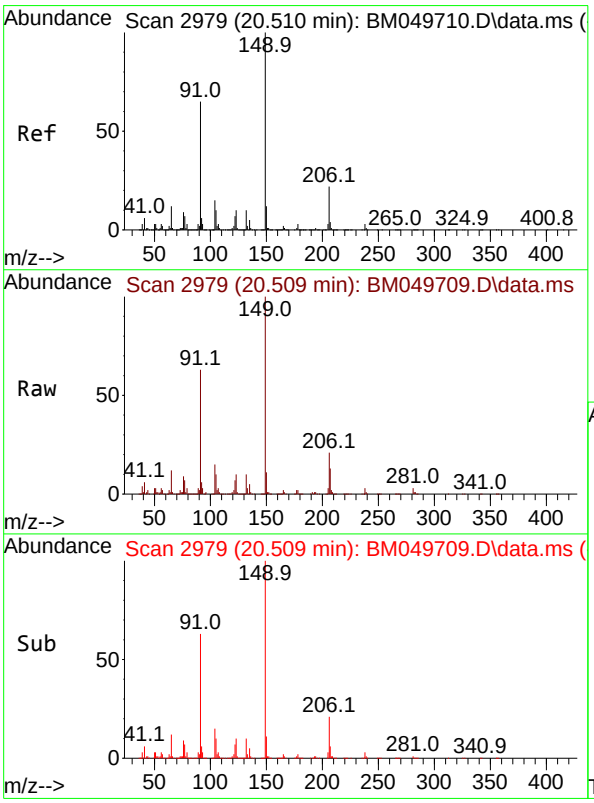
#79
Terphenyl-d14
Concen: 40.593 ng
RT: 19.809 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2611487

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	8.0	6.0	9.0

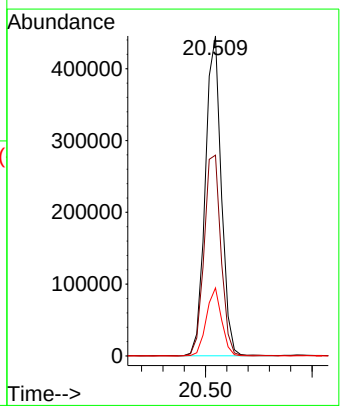


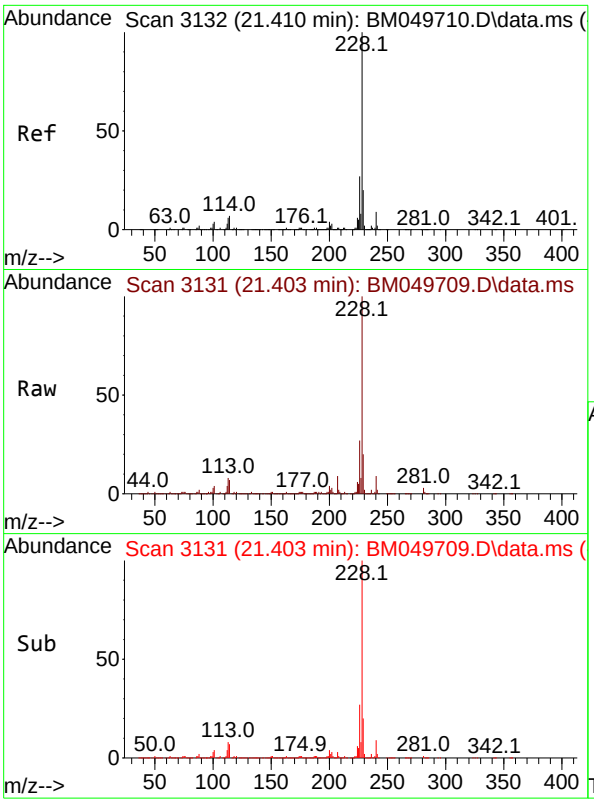


#80
Butylbenzylphthalate
Concen: 19.737 ng
RT: 20.509 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:149 Resp: 463918

Ion	Ratio	Lower	Upper
149	100		
91	62.8	52.2	78.4
206	21.2	17.6	26.4



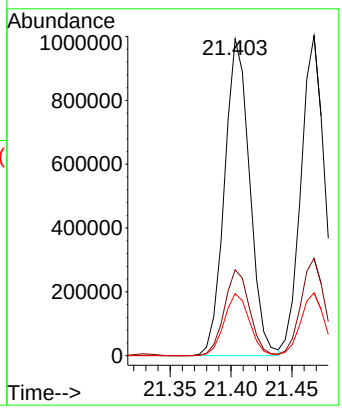


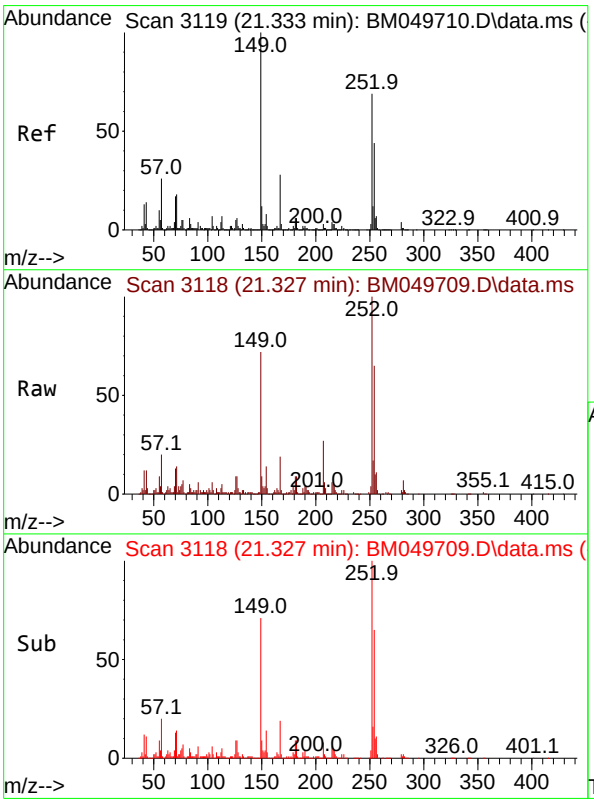
#81
Benzo(a)anthracene
Concen: 19.727 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1428447

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.0	33.0
229	19.6	15.8	23.8

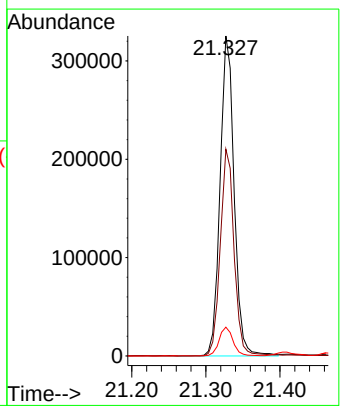


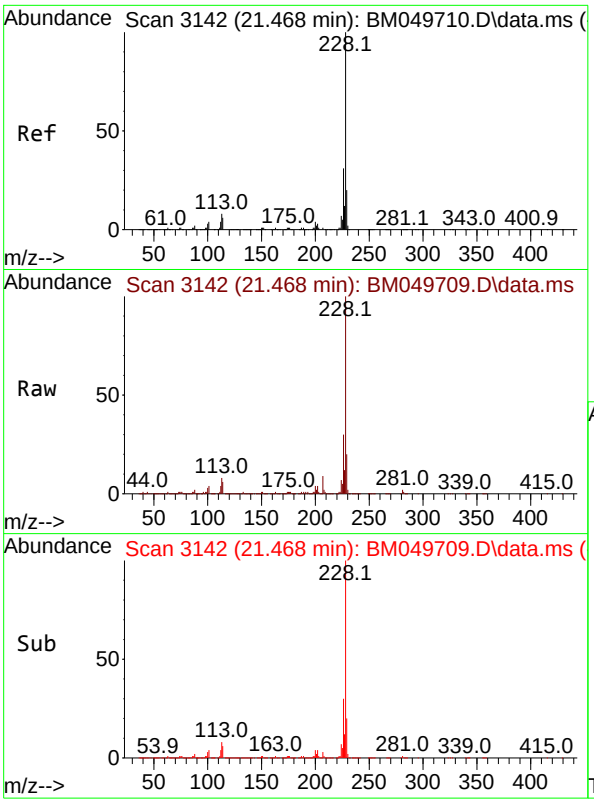


#82
3,3'-Dichlorobenzidine
Concen: 18.203 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:252 Resp: 429145

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.0	76.4
126	9.0	6.3	9.5



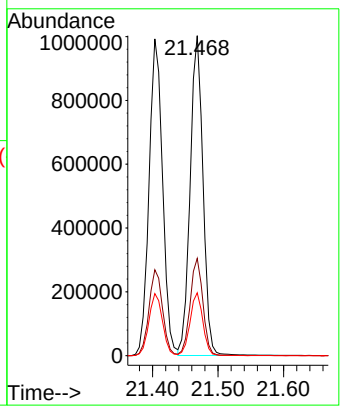


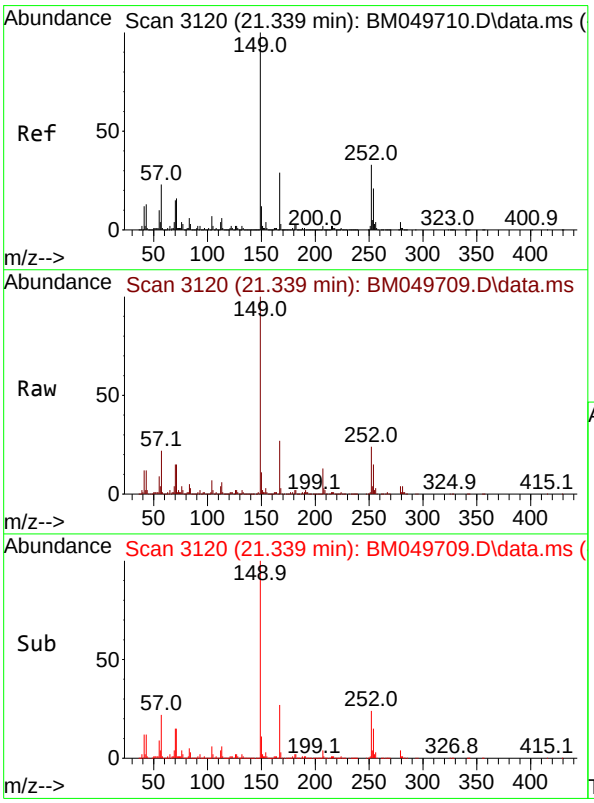
#83
Chrysene
Concen: 19.877 ng
RT: 21.468 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1364401

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	19.7	15.8	23.6

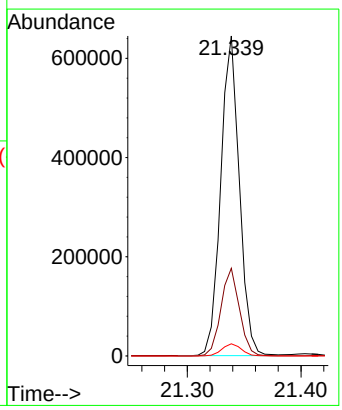


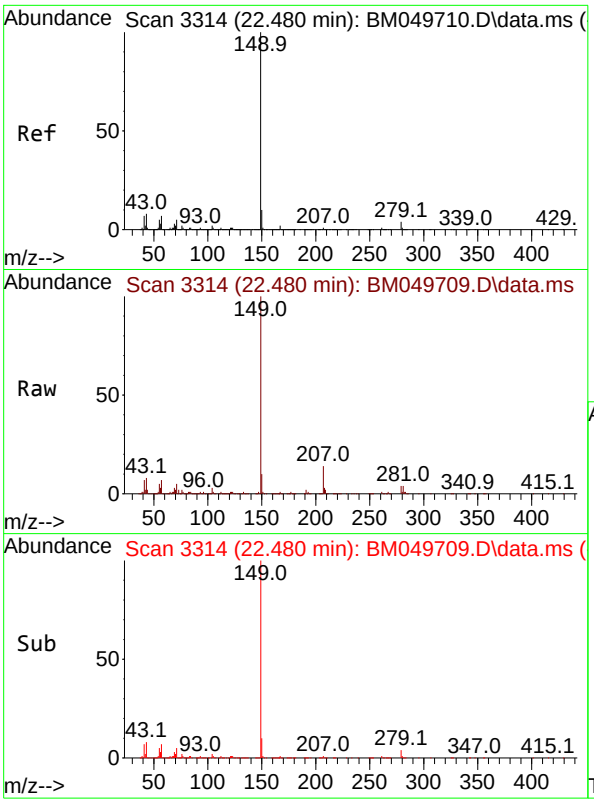


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.066 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:149 Resp: 735062

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.9	34.3
279	3.8	3.5	5.3



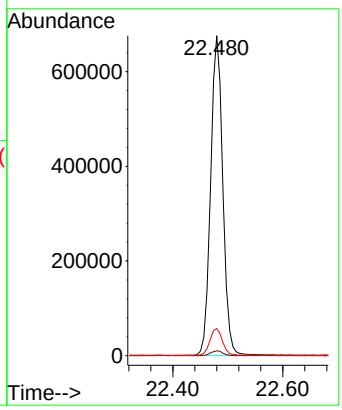


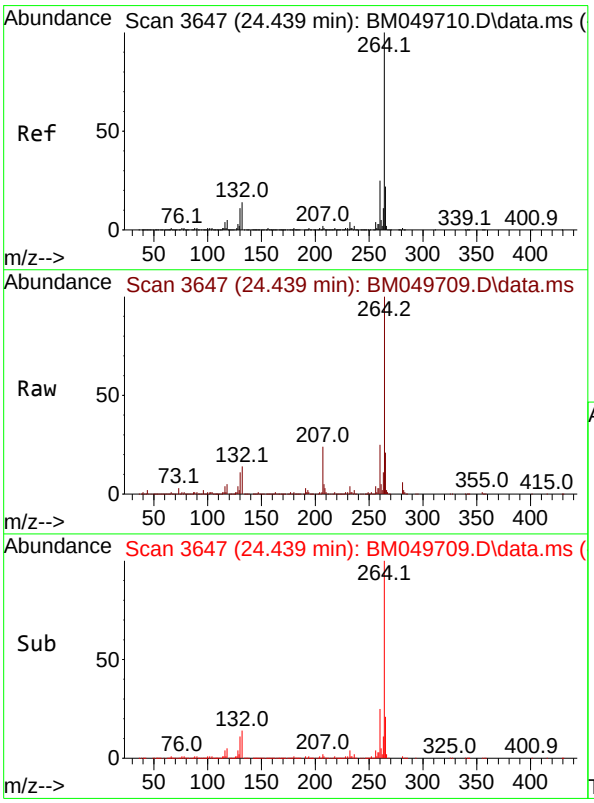
#85
Di-n-octyl phthalate
Concen: 18.166 ng
RT: 22.480 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1034304

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.8	10.2

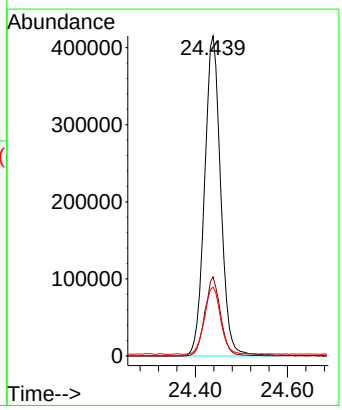


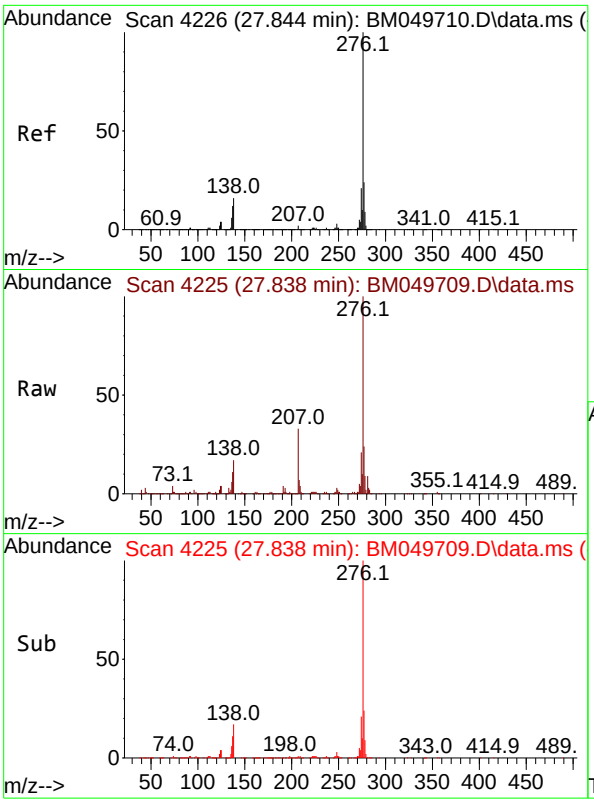


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.439 min Scan# 3647
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:264 Resp: 1012386

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	21.5	18.2	27.2



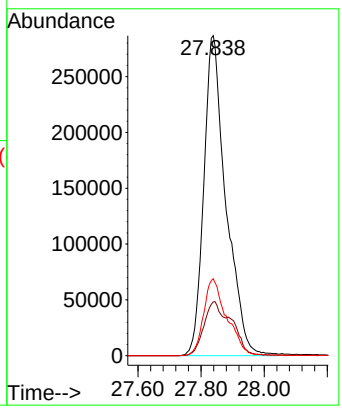


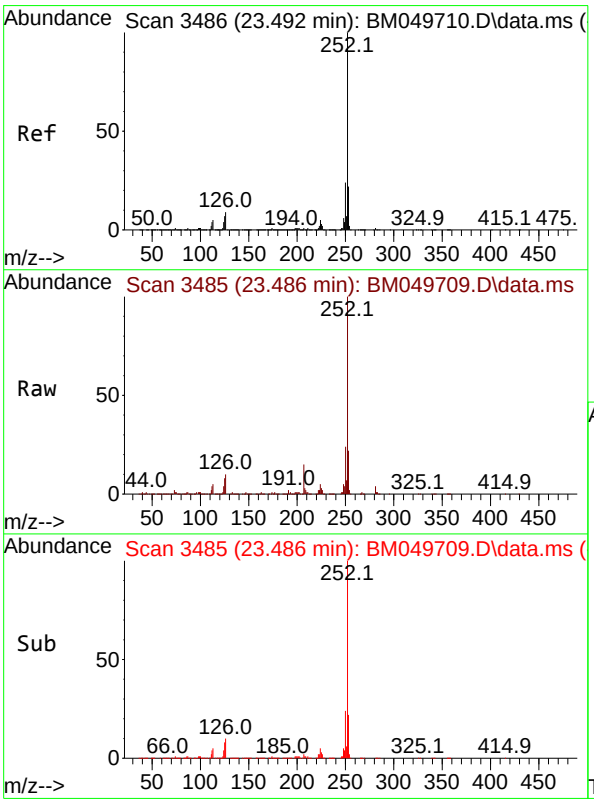
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.195 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1398710

Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.3	24.5
277	25.1	19.9	29.9

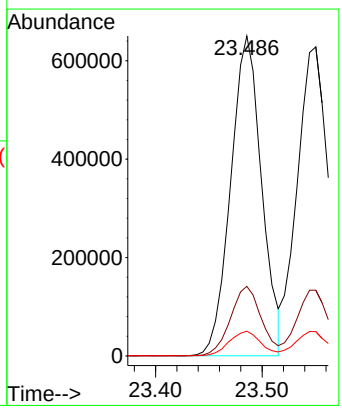


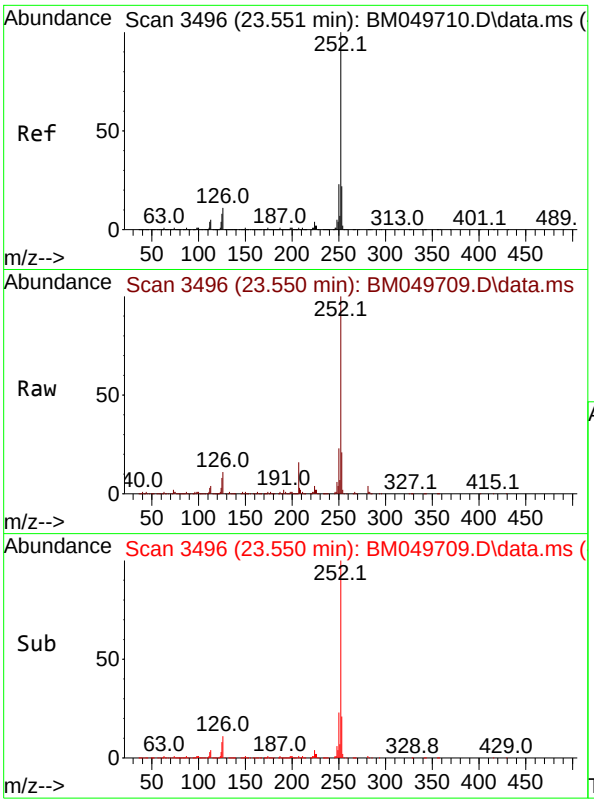


#88
Benzo(b)fluoranthene
Concen: 19.257 ng
RT: 23.486 min Scan# 3485
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:252 Resp: 1313124

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	7.8	5.9	8.9



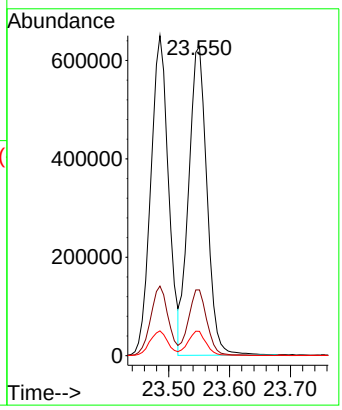


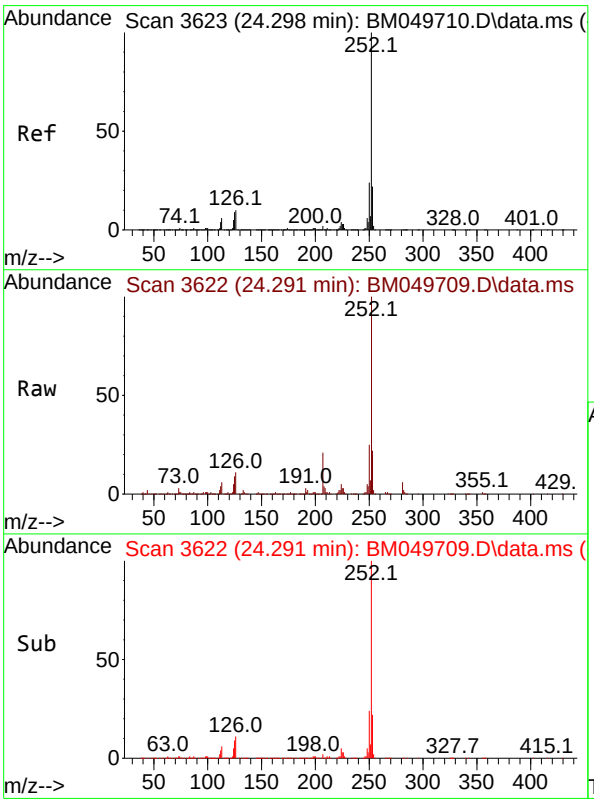
#89
Benzo(k)fluoranthene
Concen: 19.526 ng
RT: 23.550 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1310136

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	7.9	6.2	9.2

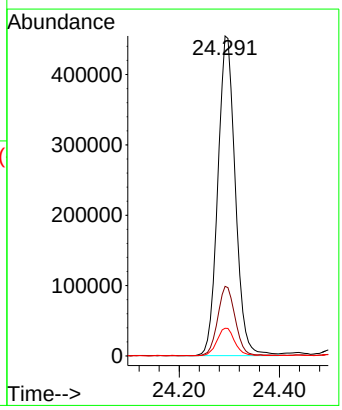


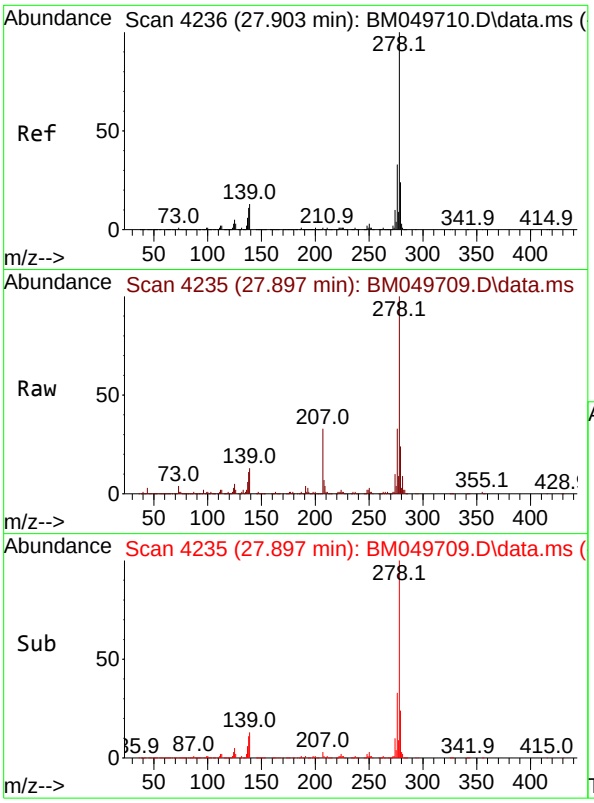


#90
Benzo(a)pyrene
Concen: 19.183 ng
RT: 24.291 min Scan# 3622
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:252 Resp: 1098704

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.7	7.0	10.6



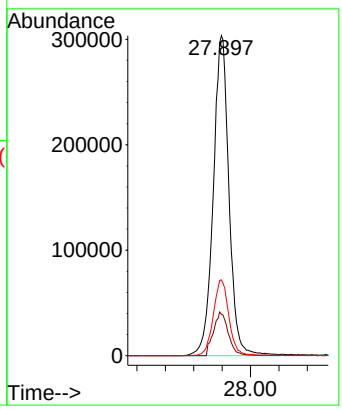


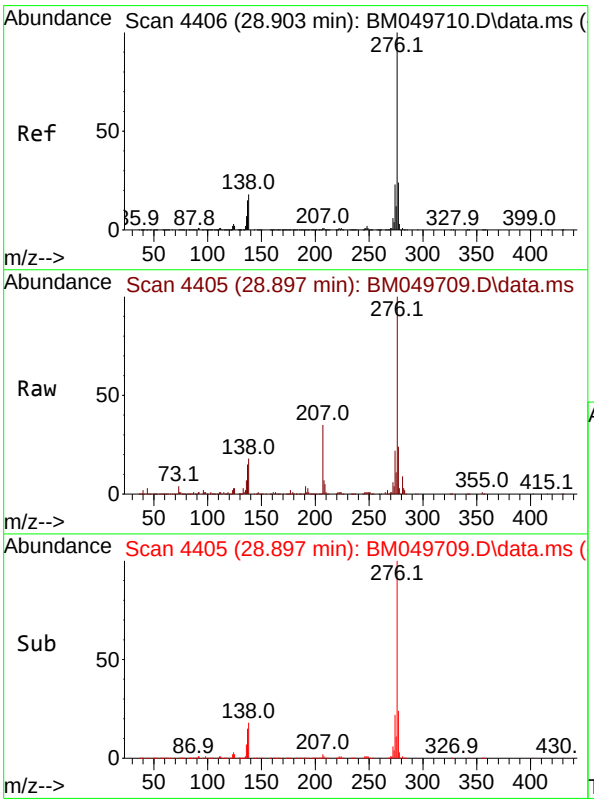
#91
Dibenzo(a,h)anthracene
Concen: 19.199 ng
RT: 27.897 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1165557

Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.1	15.1
279	23.7	19.1	28.7

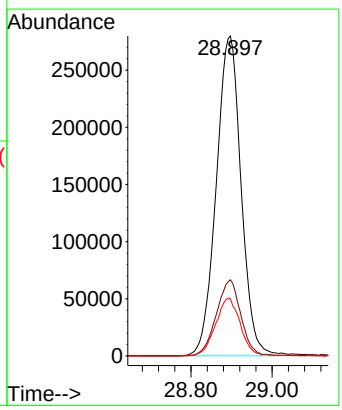




#92
Benzo(g,h,i)perylene
Concen: 19.418 ng
RT: 28.897 min Scan# 4405
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:276 Resp: 1187458

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	17.9	14.0	21.0



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049710.D
Acq On : 13 Mar 2025 11:39
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 14:41:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	306869	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	1035933	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	623426	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	1179542	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1198251	20.000	ng	0.00
86) Perylene-d12	24.439	264	1136335	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	1443630	79.378	ng	0.00
7) Phenol-d6	6.981	99	1804713	79.073	ng	0.00
23) Nitrobenzene-d5	8.963	82	1595818	79.090	ng	0.00
42) 2,4,6-Tribromophenol	15.933	330	624211	85.746	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	3957740	79.506	ng	0.00
79) Terphenyl-d14	19.810	244	5787036	81.384	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	304783	38.713	ng	100
3) Pyridine	3.687	79	797353	39.607	ng	100
4) n-Nitrosodimethylamine	3.593	42	346864	38.989	ng	100
6) Aniline	7.134	93	749171	39.180	ng	100
8) 2-Chlorophenol	7.375	128	704524	39.119	ng	100
9) Benzaldehyde	6.946	77	419230	37.156	ng	100
10) Phenol	7.005	94	859475	38.837	ng	100
11) bis(2-Chloroethyl)ether	7.228	93	688676	38.429	ng	100
12) 1,3-Dichlorobenzene	7.699	146	838709	38.320	ng	100
13) 1,4-Dichlorobenzene	7.840	146	853391	38.649	ng	100
14) 1,2-Dichlorobenzene	8.158	146	816305	38.900	ng	100
15) Benzyl Alcohol	8.046	79	570190	39.810	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.340	45	812183	38.560	ng	100
17) 2-Methylphenol	8.252	107	519545	39.543	ng	100
18) Hexachloroethane	8.887	117	306470	39.304	ng	100
19) n-Nitroso-di-n-propyla...	8.616	70	532286	40.220	ng	100
20) 3+4-Methylphenols	8.581	107	698917	39.694	ng	100
22) Acetophenone	8.628	105	1049385	39.287	ng	100
24) Nitrobenzene	9.005	77	745329	39.175	ng	100
25) Isophorone	9.534	82	1223198	39.484	ng	100
26) 2-Nitrophenol	9.716	139	326569	40.328	ng	100
27) 2,4-Dimethylphenol	9.781	122	407285	39.514	ng	100
28) bis(2-Chloroethoxy)met...	10.016	93	843433	38.655	ng	100
29) 2,4-Dichlorophenol	10.251	162	668537	39.804	ng	100
30) 1,2,4-Trichlorobenzene	10.463	180	809518	38.523	ng	100
31) Naphthalene	10.651	128	2067950	38.821	ng	100
32) Benzoic acid	9.910	122	339891	38.761	ng	100
33) 4-Chloroaniline	10.757	127	724131	39.833	ng	100
34) Hexachlorobutadiene	10.946	225	502566	38.741	ng	100
35) Caprolactam	11.540	113	162546	41.684	ng	100
36) 4-Chloro-3-methylphenol	11.893	107	581269	40.328	ng	100
37) 2-Methylnaphthalene	12.269	142	1458607	39.160	ng	100
38) 1-Methylnaphthalene	12.487	142	1397474	38.887	ng	100
40) 1,2,4,5-Tetrachloroben...	12.634	216	898103	39.219	ng	100
41) Hexachlorocyclopentadiene	12.622	237	343127	40.446	ng	100
43) 2,4,6-Trichlorophenol	12.875	196	521138	40.633	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049710.D
Acq On : 13 Mar 2025 11:39
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 14:41:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

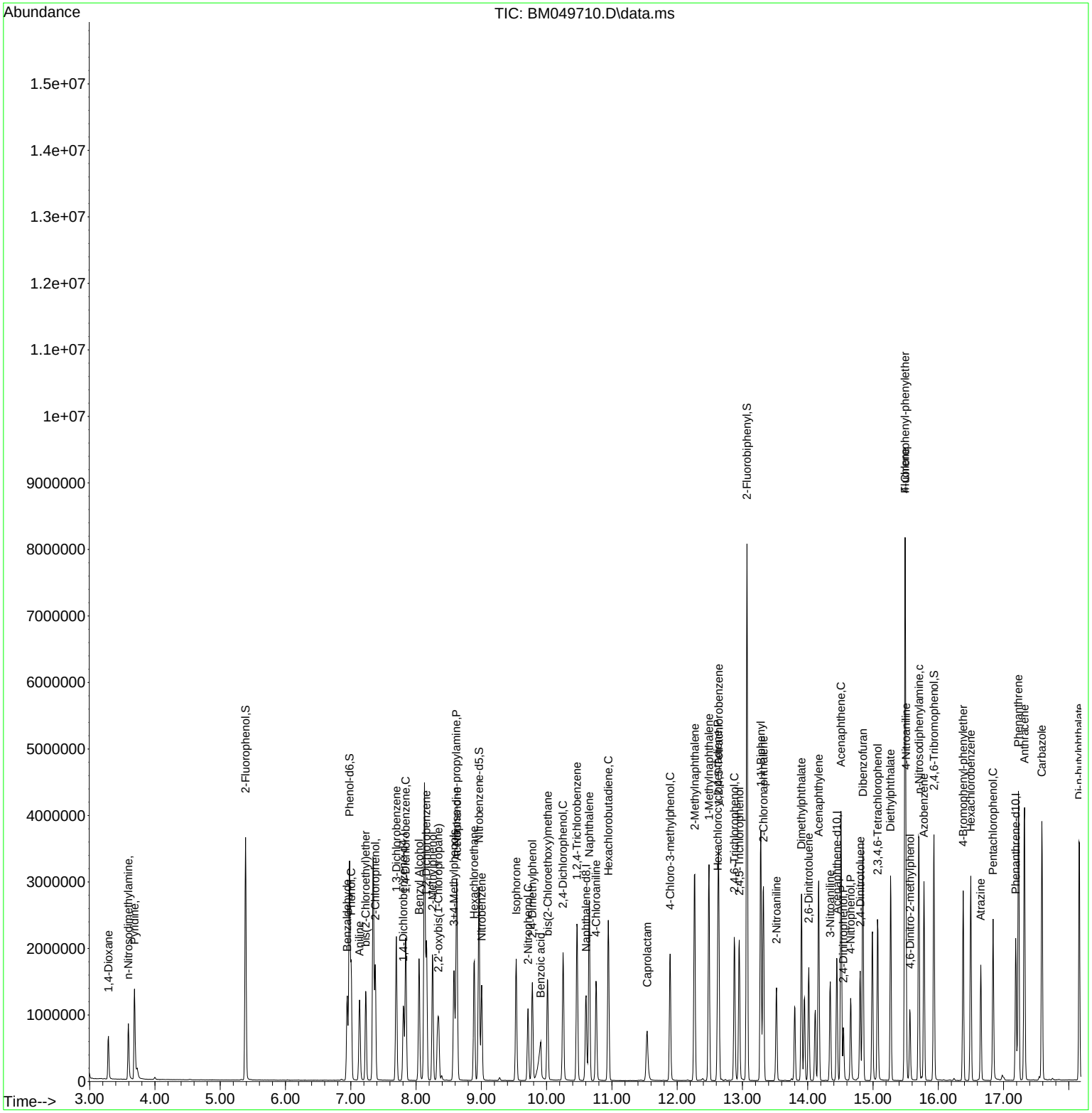
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	571159	40.810	ng	100
46) 1,1'-Biphenyl	13.281	154	1898343	39.509	ng	100
47) 2-Chloronaphthalene	13.322	162	1468019	39.253	ng	100
48) 2-Nitroaniline	13.522	65	349344	41.611	ng	100
49) Acenaphthylene	14.169	152	2084102	39.868	ng	100
50) Dimethylphthalate	13.904	163	1707639	39.784	ng	100
51) 2,6-Dinitrotoluene	14.016	165	349837	40.677	ng	100
52) Acenaphthene	14.510	154	1373000	40.091	ng	100
53) 3-Nitroaniline	14.345	138	340625	41.620	ng	100
54) 2,4-Dinitrophenol	14.545	184	164715	39.242	ng	100
55) Dibenzofuran	14.845	168	2233364	39.088	ng	100
56) 4-Nitrophenol	14.657	139	290397	40.763	ng	100
57) 2,4-Dinitrotoluene	14.804	165	462604	41.801	ng	100
58) Fluorene	15.492	166	1868135	40.158	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.069	232	479751	40.950	ng	100
60) Diethylphthalate	15.269	149	1619118	40.052	ng	100
61) 4-Chlorophenyl-phenyle...	15.492	204	1020109	40.157	ng	100
62) 4-Nitroaniline	15.504	138	372286	38.997	ng	100
63) Azobenzene	15.781	77	1551742	40.187	ng	100
65) 4,6-Dinitro-2-methylph...	15.569	198	235447	39.014	ng	100
66) n-Nitrosodiphenylamine	15.704	169	1414490	39.580	ng	100
67) 4-Bromophenyl-phenylether	16.380	248	532750	39.119	ng	100
68) Hexachlorobenzene	16.498	284	592070	38.661	ng	100
69) Atrazine	16.651	200	302291	38.381	ng	100
70) Pentachlorophenol	16.839	266	380031	39.488	ng	100
71) Phenanthrene	17.227	178	2579008	39.376	ng	100
72) Anthracene	17.322	178	2514440	39.641	ng	100
73) Carbazole	17.586	167	2338547	40.709	ng	100
74) Di-n-butylphthalate	18.163	149	2552958	40.548	ng	100
75) Fluoranthene	19.245	202	3065801	40.657	ng	100
77) Benzidine	19.427	184	504419	35.039	ng	100
78) Pyrene	19.604	202	3182324	38.013	ng	100
80) Butylbenzylphthalate	20.510	149	1035949	39.874	ng	100
81) Benzo(a)anthracene	21.410	228	3132766	39.142	ng	100
82) 3,3'-Dichlorobenzidine	21.333	252	985353	37.814	ng	100
83) Chrysene	21.468	228	2977456	39.245	ng	100
84) Bis(2-ethylhexyl)phtha...	21.339	149	1624965	40.133	ng	100
85) Di-n-octyl phthalate	22.480	149	2419176	38.441	ng	100
87) Indeno(1,2,3-cd)pyrene	27.844	276	3252652	39.769	ng	100
88) Benzo(b)fluoranthene	23.492	252	3021800	39.482	ng	100
89) Benzo(k)fluoranthene	23.551	252	2934888	38.970	ng	100
90) Benzo(a)pyrene	24.298	252	2545218	39.591	ng	100
91) Dibenzo(a,h)anthracene	27.903	278	2700706	39.633	ng	100
92) Benzo(g,h,i)perylene	28.903	276	2735035	39.847	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049710.D
Acq On : 13 Mar 2025 11:39
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 14:41:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

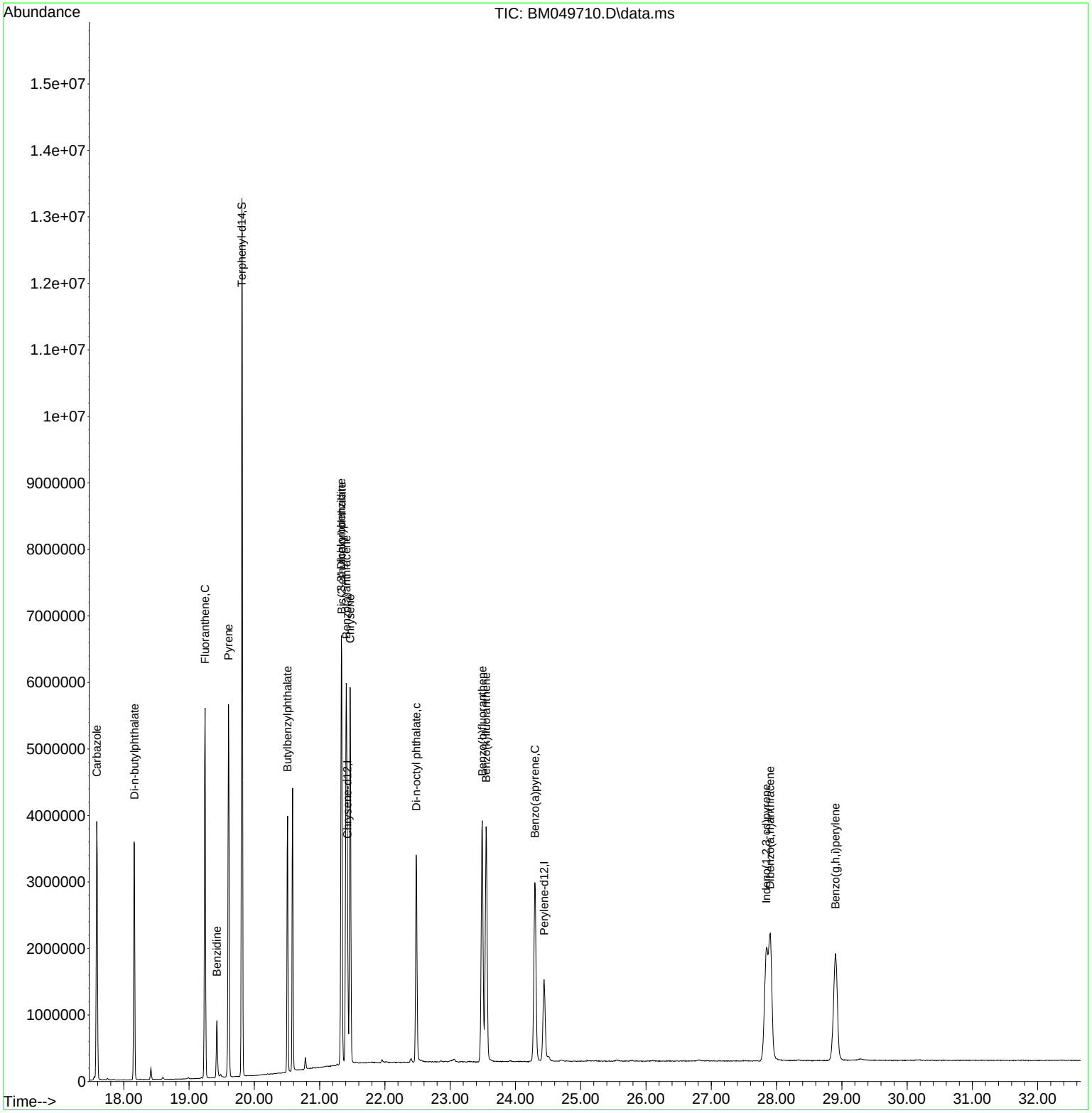


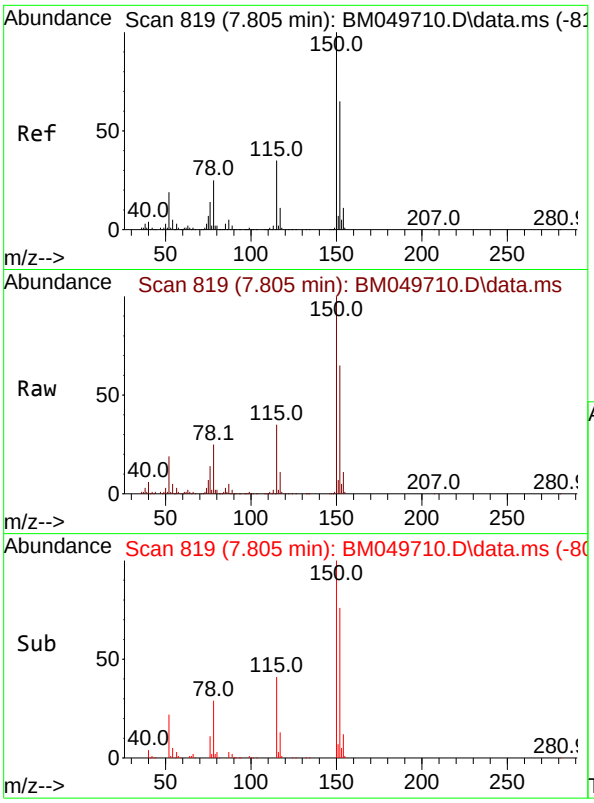
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049710.D
Acq On : 13 Mar 2025 11:39
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 14:41:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration



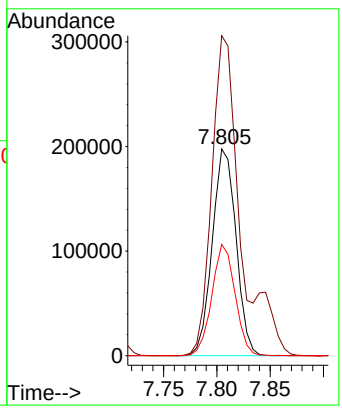


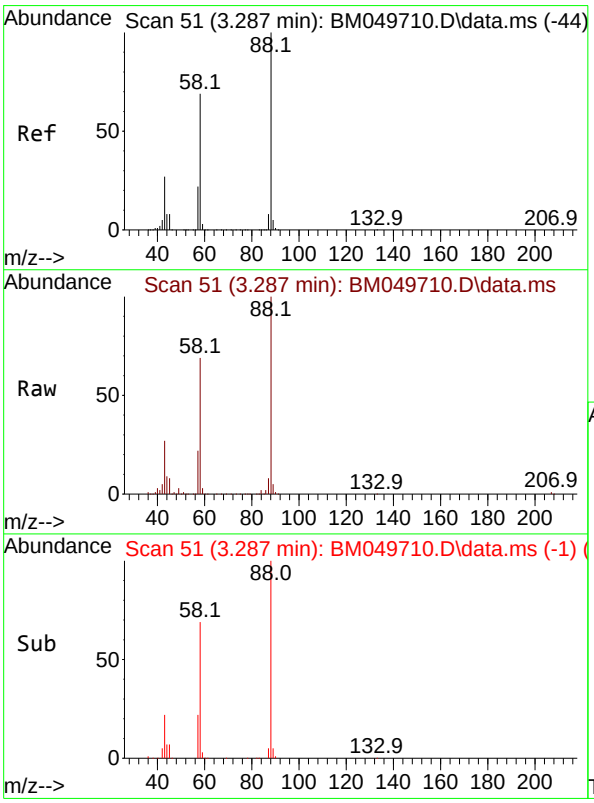
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 306869

Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.8	185.8
115	53.8	43.0	64.6

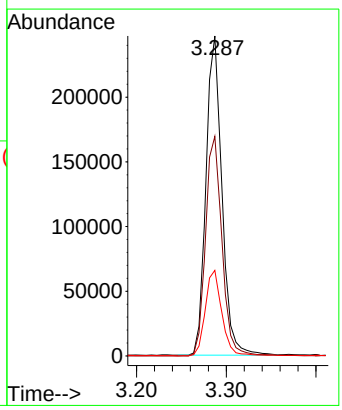


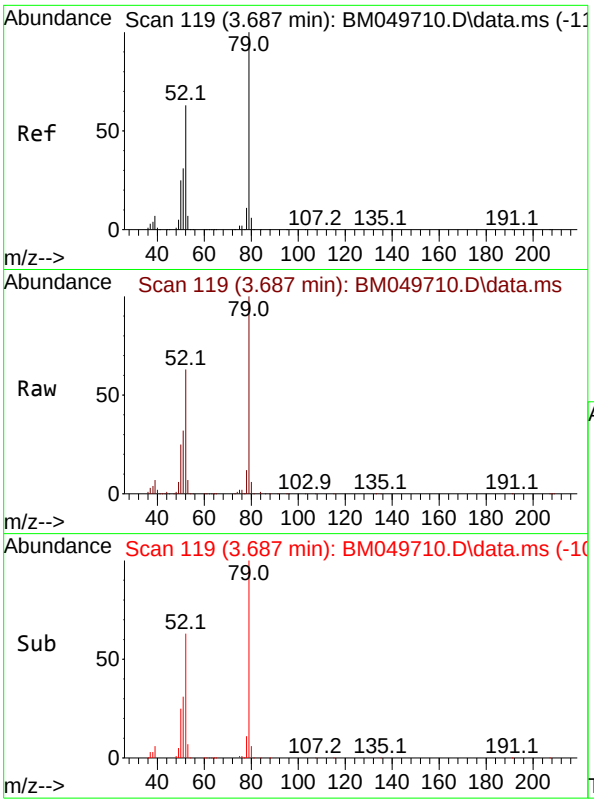


#2
1,4-Dioxane
Concen: 38.713 ng
RT: 3.287 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 88 Resp: 304783

Ion	Ratio	Lower	Upper
88	100		
58	70.9	56.7	85.1
43	28.3	22.6	34.0



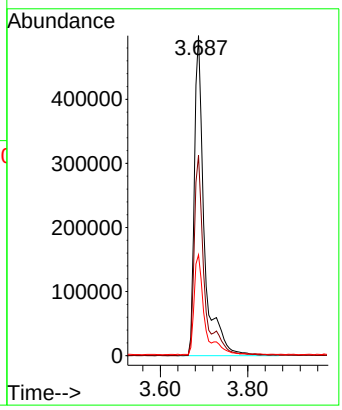


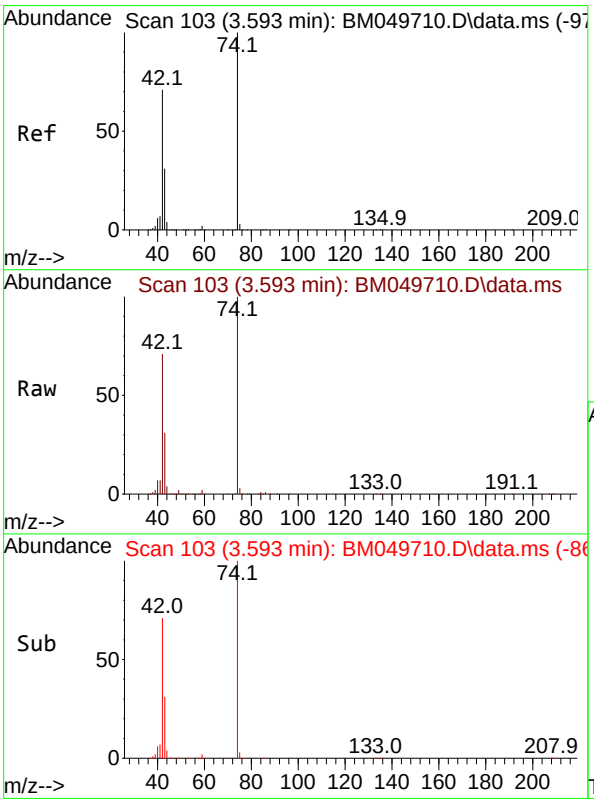
#3
Pyridine
Concen: 39.607 ng
RT: 3.687 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 797353

Ion	Ratio	Lower	Upper
79	100		
52	62.6	50.1	75.1
51	31.5	25.2	37.8

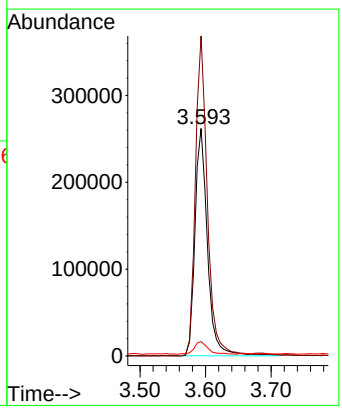


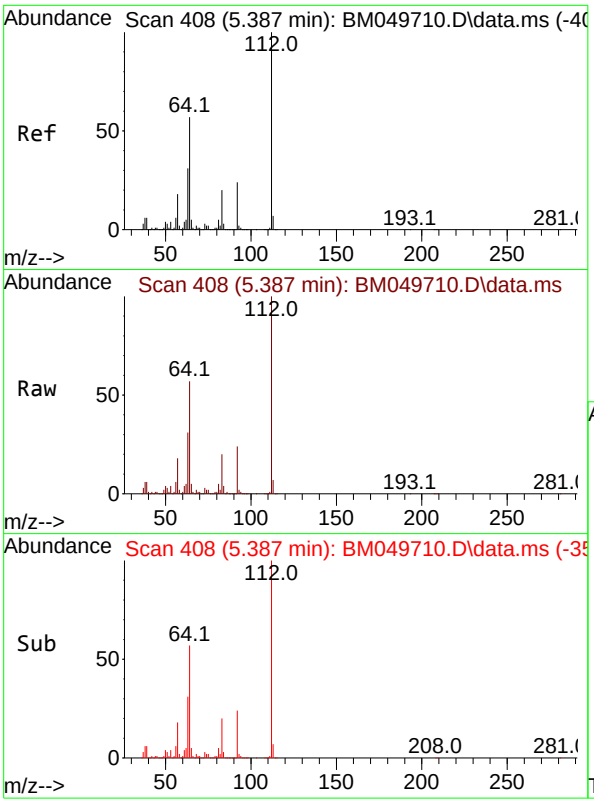


#4
n-Nitrosodimethylamine
Concen: 38.989 ng
RT: 3.593 min Scan# 103
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 42 Resp: 346864

Ion	Ratio	Lower	Upper
42	100		
74	140.7	112.6	168.8
44	6.3	5.0	7.6



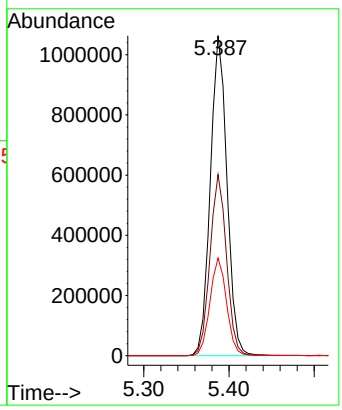


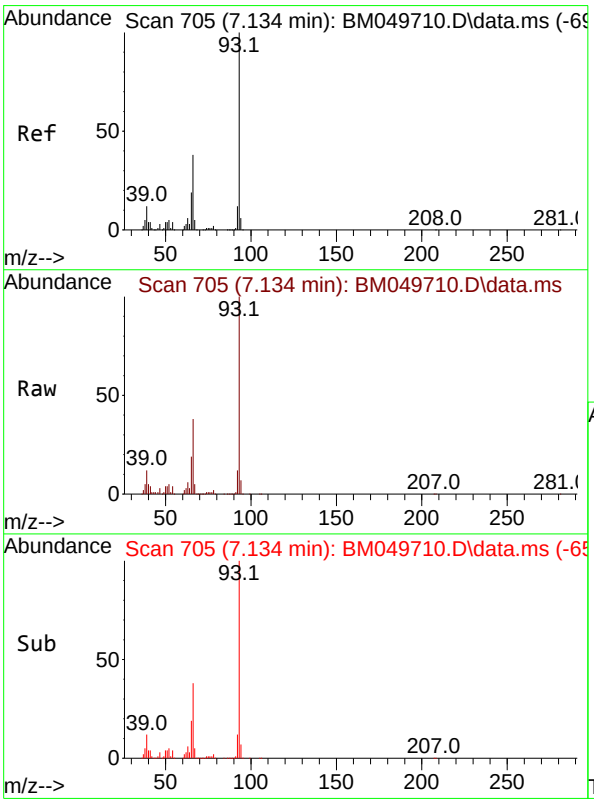
#5
2-Fluorophenol
Concen: 79.378 ng
RT: 5.387 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1443630

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.3	67.9
63	30.5	24.4	36.6

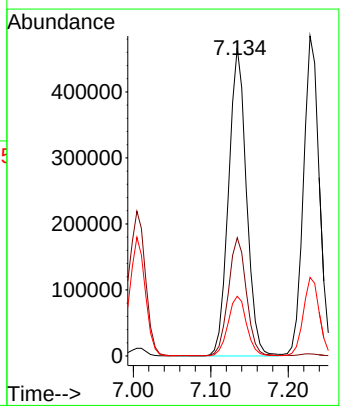


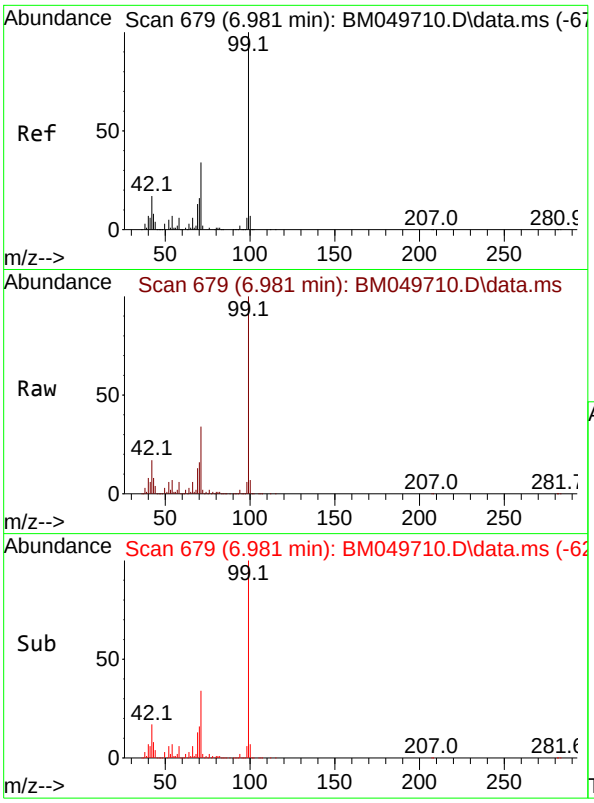


#6
Aniline
Concen: 39.180 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 93 Resp: 749171

Ion	Ratio	Lower	Upper
93	100		
66	38.3	30.6	46.0
65	19.3	15.4	23.2



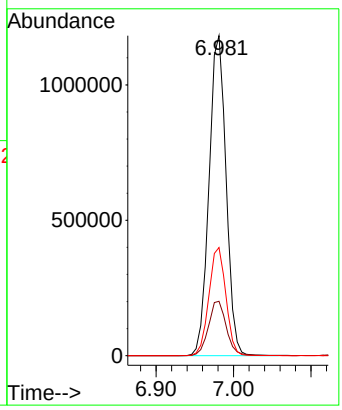


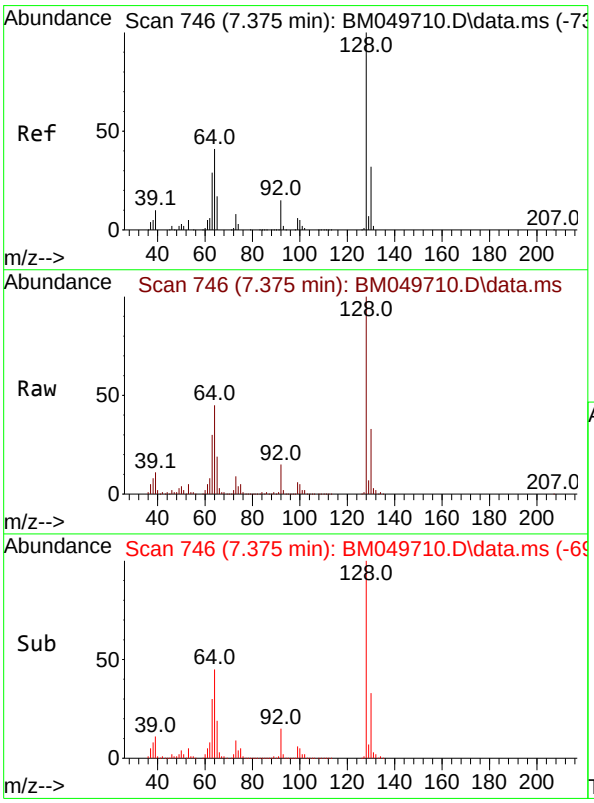
#7
Phenol-d6
Concen: 79.073 ng
RT: 6.981 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1804713

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.6	20.4
71	33.8	27.0	40.6

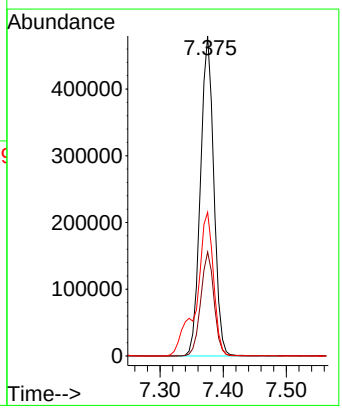


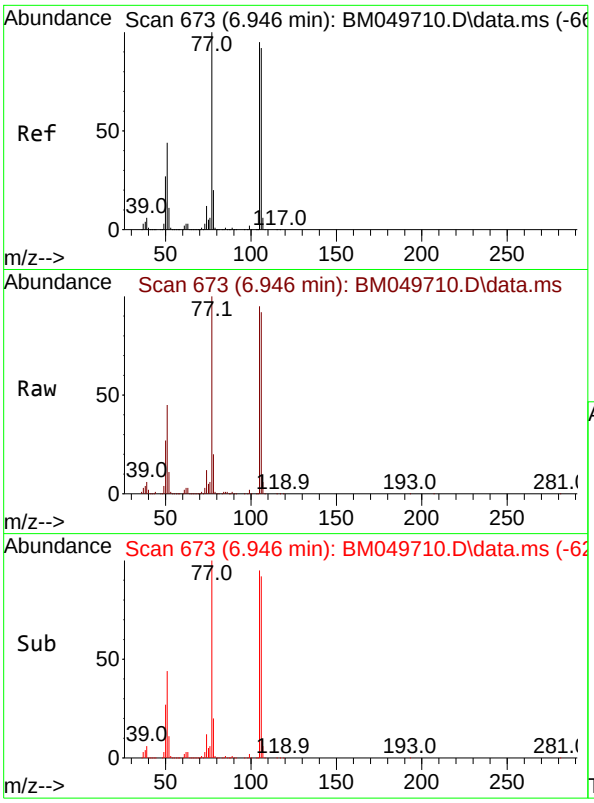


#8
2-Chlorophenol
Concen: 39.119 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:128 Resp: 704524

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	44.9	24.9	64.9



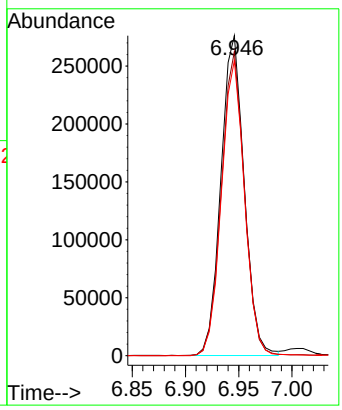


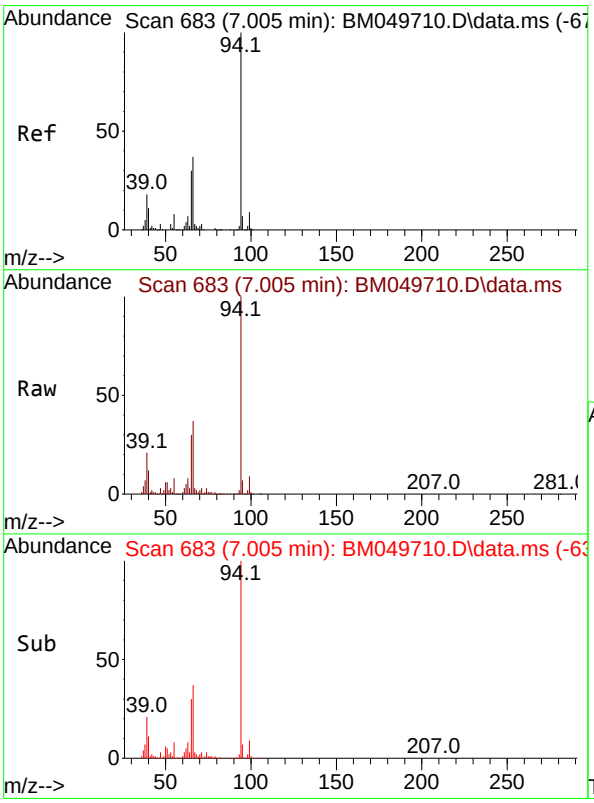
#9
Benzaldehyde
Concen: 37.156 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 419230

Ion	Ratio	Lower	Upper
77	100		
105	95.0	75.0	115.0
106	92.3	72.3	112.3

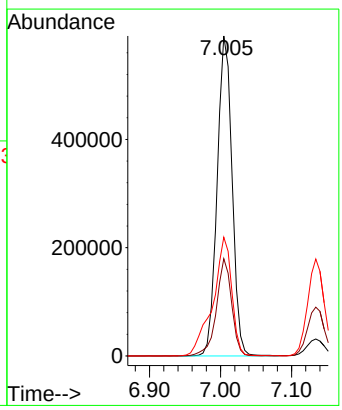


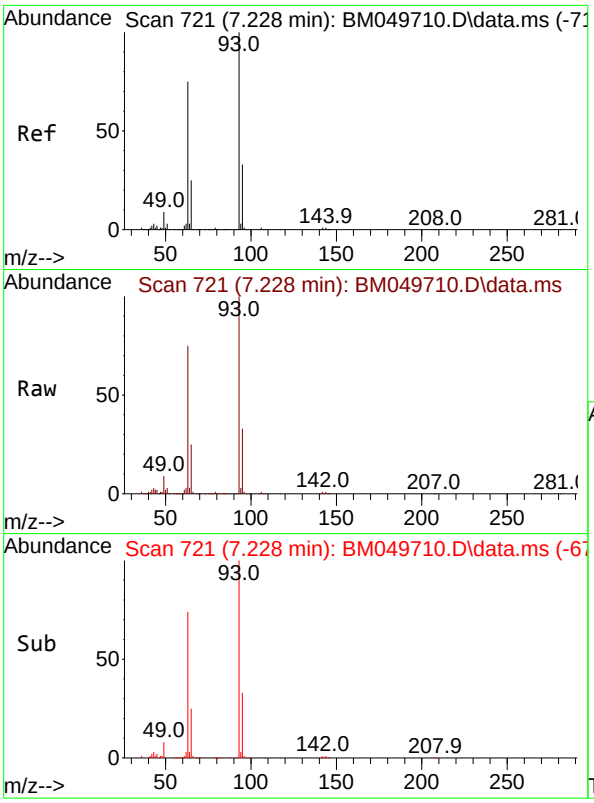


#10
Phenol
Concen: 38.837 ng
RT: 7.005 min Scan# 683
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 94 Resp: 859475

Ion	Ratio	Lower	Upper
94	100		
65	30.4	10.4	50.4
66	37.1	17.1	57.1



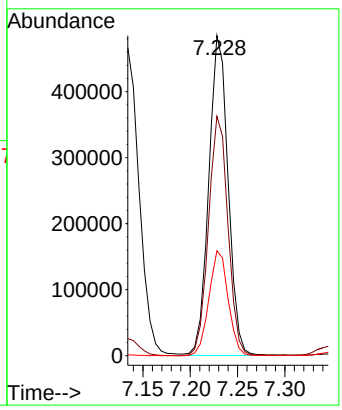


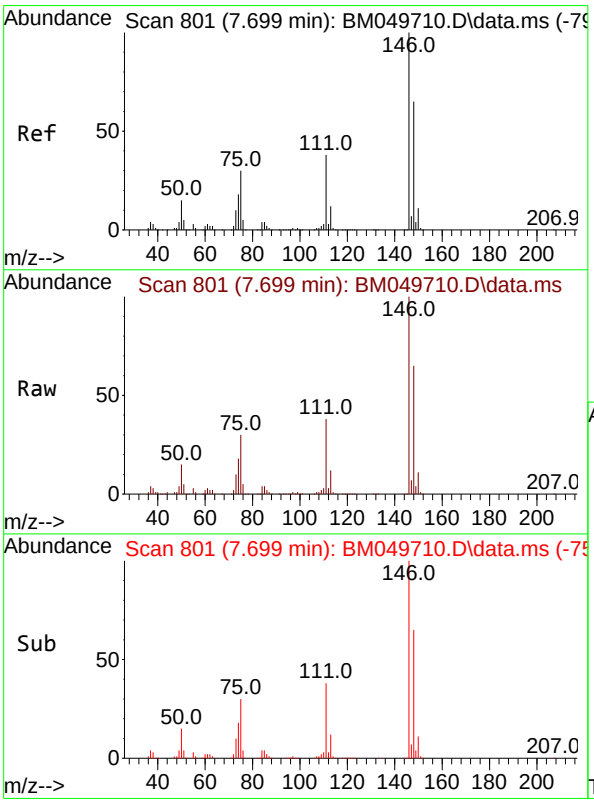
#11
bis(2-Chloroethyl)ether
Concen: 38.429 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 688676

Ion	Ratio	Lower	Upper
93	100		
63	74.8	54.8	94.8
95	32.8	12.8	52.8

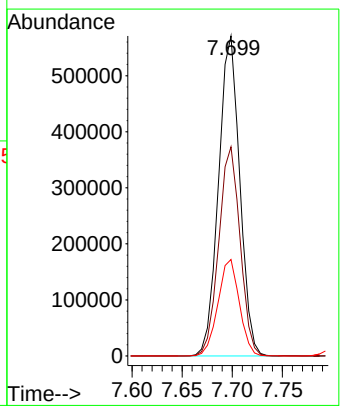


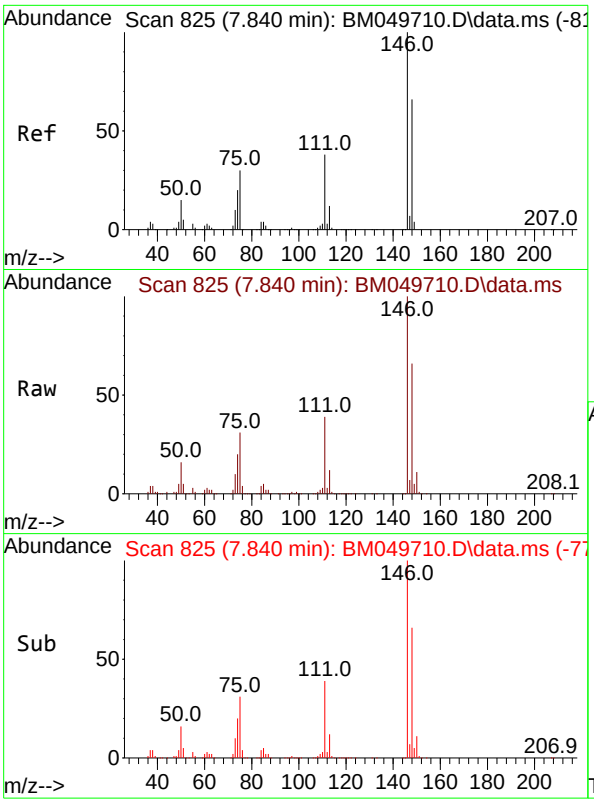


#12
1,3-Dichlorobenzene
Concen: 38.320 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:146 Resp: 838709

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.3	78.5
75	30.2	24.2	36.2



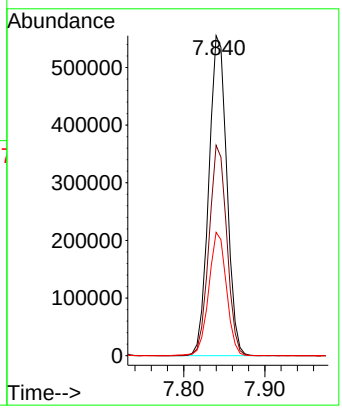


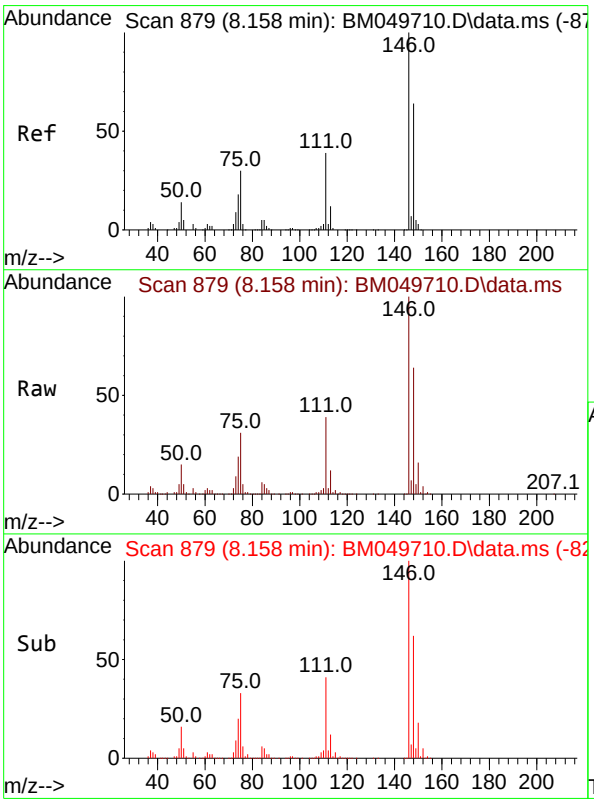
#13
1,4-Dichlorobenzene
Concen: 38.649 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 853391

Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.6	79.0
111	38.5	30.8	46.2

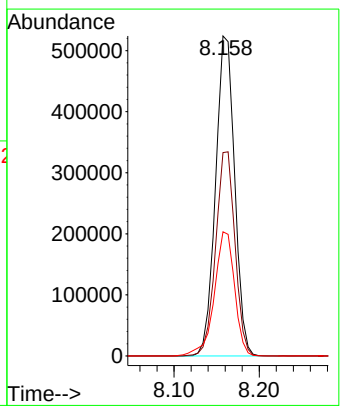


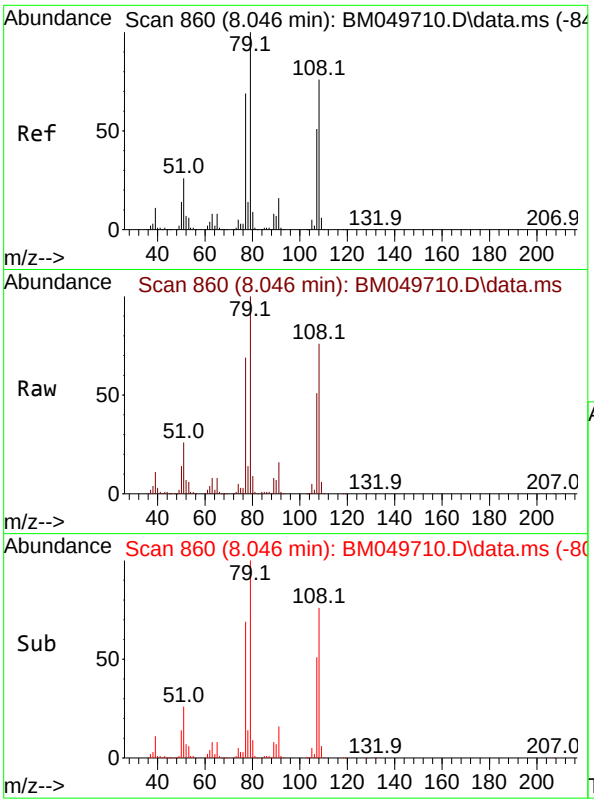


#14
1,2-Dichlorobenzene
Concen: 38.900 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:146 Resp: 816305

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
111	38.8	31.0	46.6



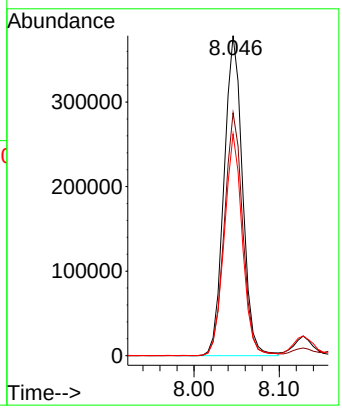


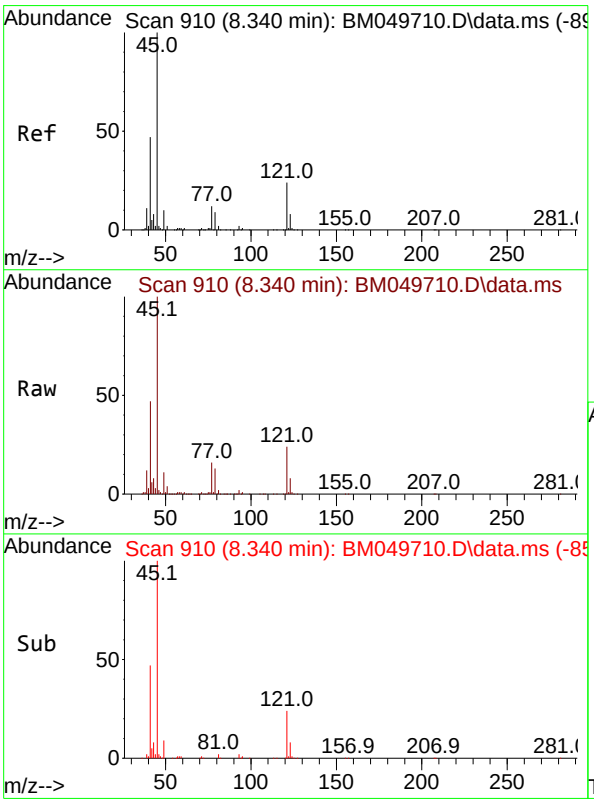
#15
Benzyl Alcohol
Concen: 39.810 ng
RT: 8.046 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 570190

Ion	Ratio	Lower	Upper
79	100		
108	75.9	60.7	91.1
77	69.3	55.4	83.2

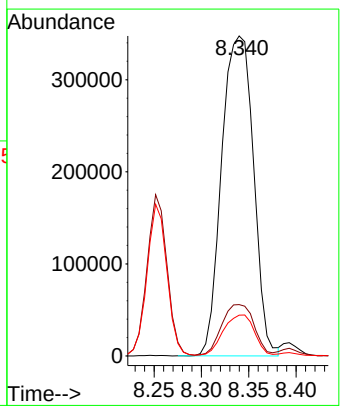


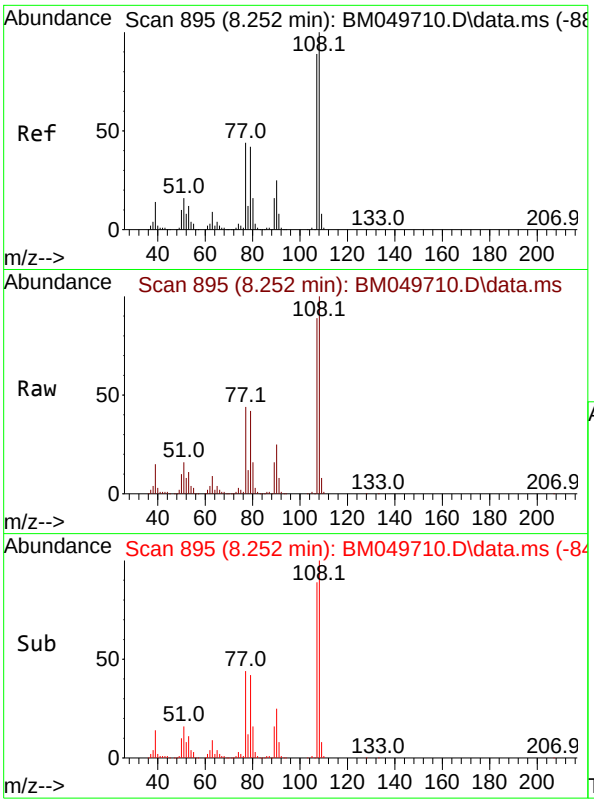


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.560 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 45 Resp: 812183

Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	36.1
79	12.8	0.0	32.8



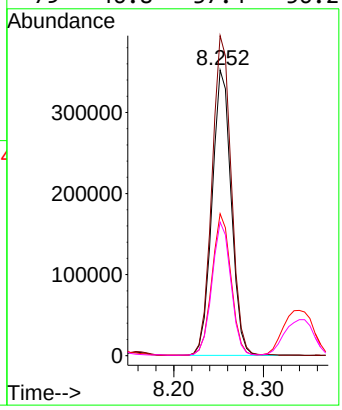


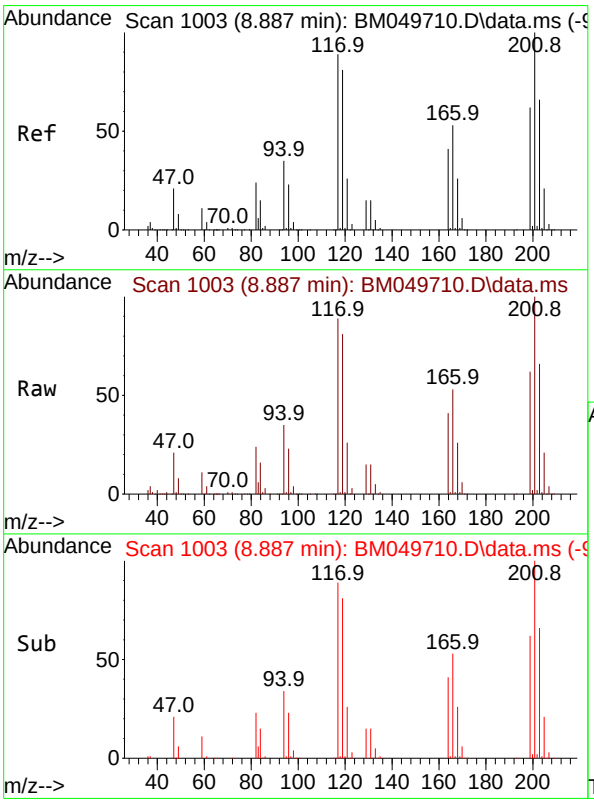
#17
2-Methylphenol
Concen: 39.543 ng
RT: 8.252 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 519545

Ion	Ratio	Lower	Upper
107	100		
108	112.0	89.6	134.4
77	49.7	39.8	59.6
79	46.8	37.4	56.2

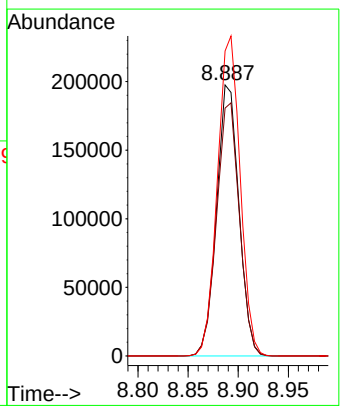


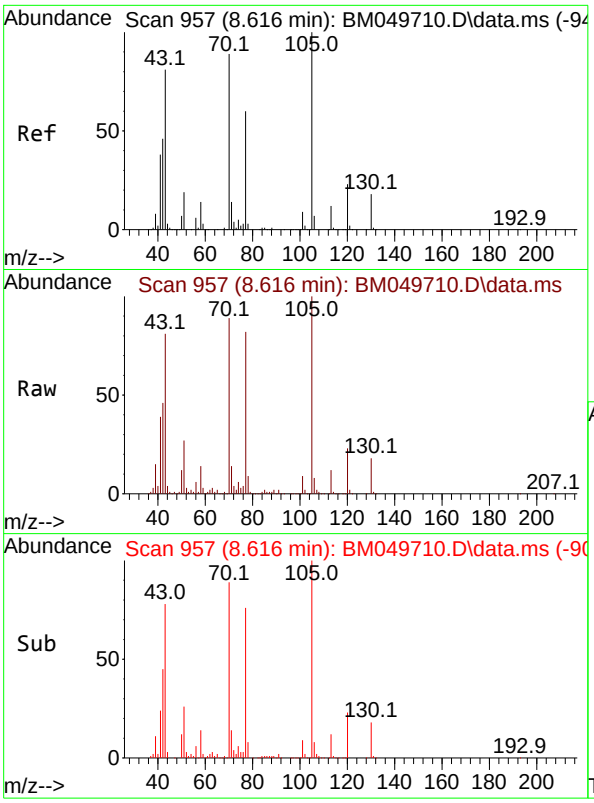


#18
Hexachloroethane
Concen: 39.304 ng
RT: 8.887 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:117 Resp: 306470

Ion	Ratio	Lower	Upper
117	100		
119	91.4	73.1	109.7
201	112.5	90.0	135.0



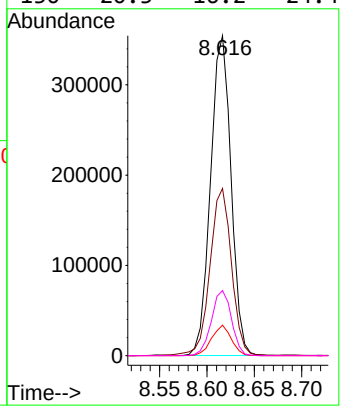


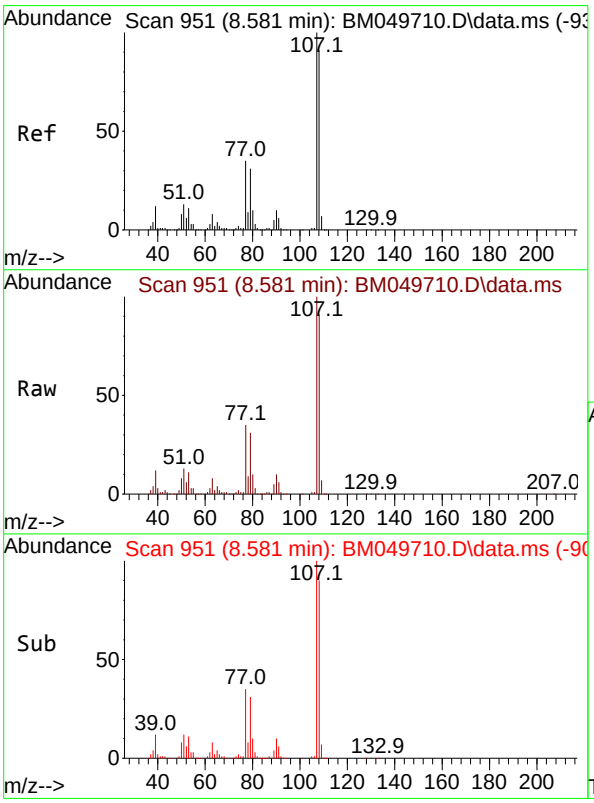
#19
n-Nitroso-di-n-propylamine
Concen: 40.220 ng
RT: 8.616 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 532286

Ion	Ratio	Lower	Upper
70	100		
42	52.2	41.8	62.6
101	9.6	7.7	11.5
130	20.3	16.2	24.4

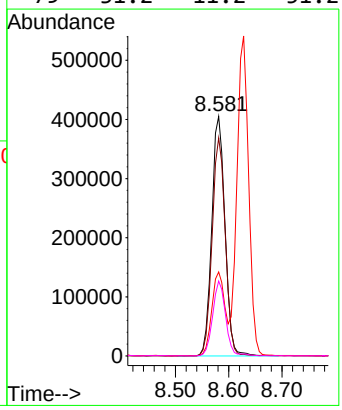


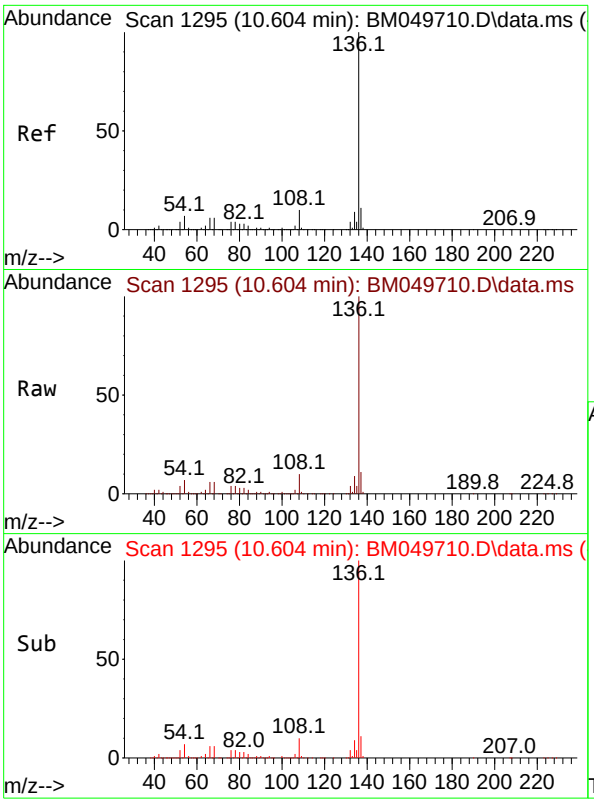


#20
3+4-Methylphenols
Concen: 39.694 ng
RT: 8.581 min Scan# 951
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:107 Resp: 698917

Ion	Ratio	Lower	Upper
107	100		
108	91.0	71.0	111.0
77	35.1	15.1	55.1
79	31.2	11.2	51.2



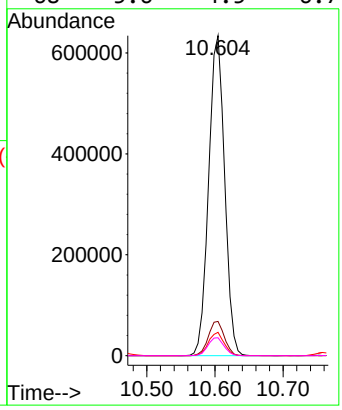


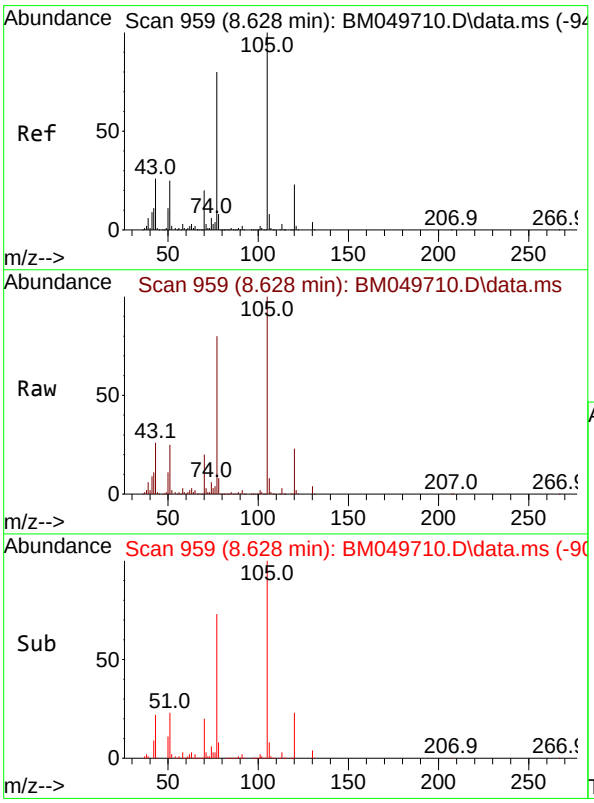
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1035933

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.3	5.8	8.8
68	5.6	4.5	6.7

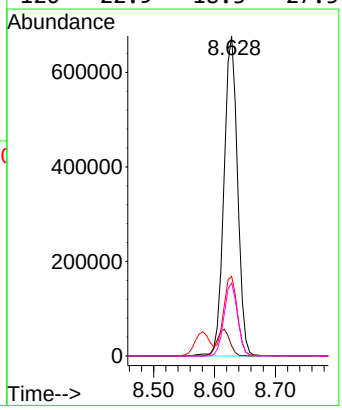


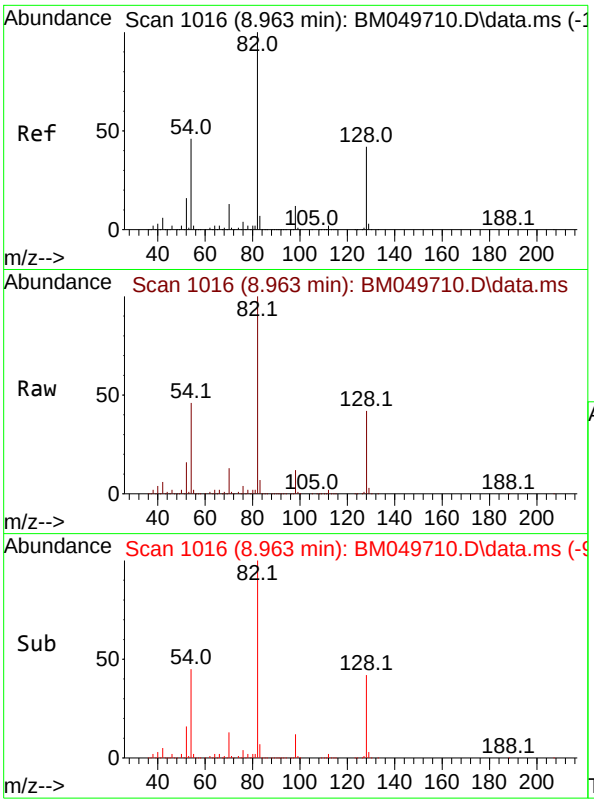


#22
Acetophenone
Concen: 39.287 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:105 Resp: 1049385

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.5	3.7
51	24.9	19.9	29.9
120	22.9	18.3	27.5



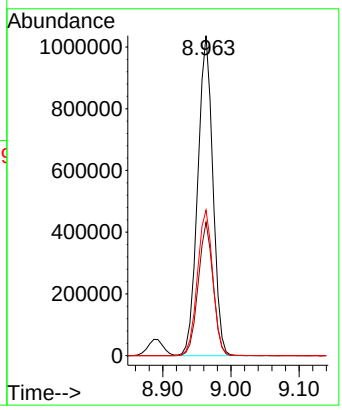


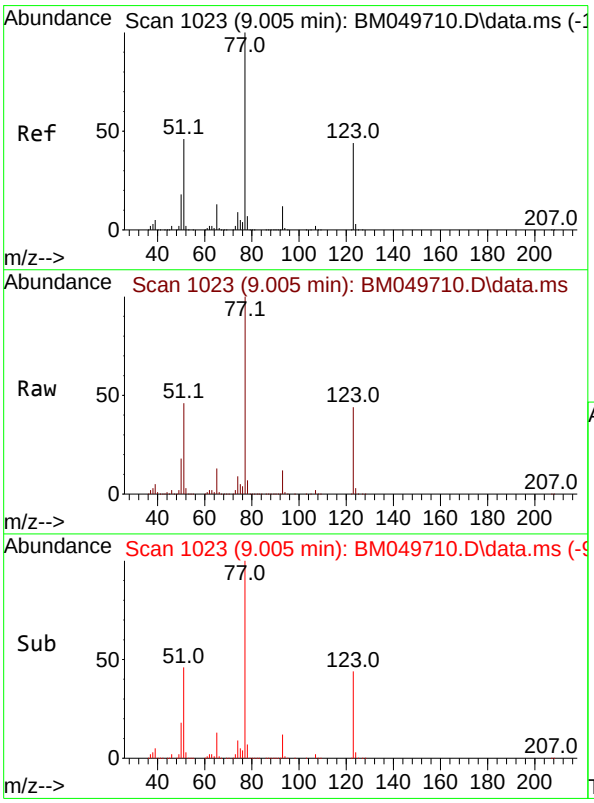
#23
Nitrobenzene-d5
Concen: 79.090 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1595818

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	45.5	36.4	54.6

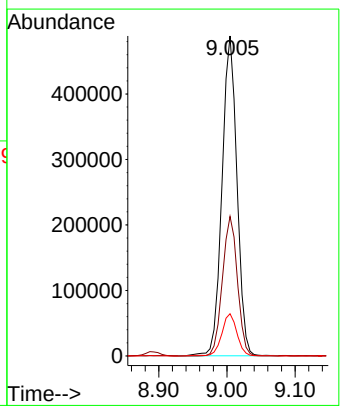


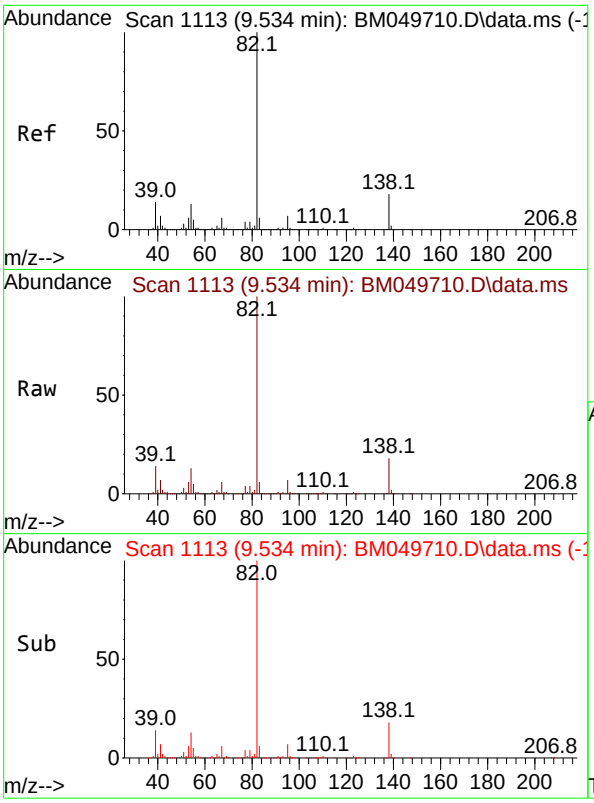


#24
Nitrobenzene
Concen: 39.175 ng
RT: 9.005 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 77 Resp: 745329

Ion	Ratio	Lower	Upper
77	100		
123	43.6	34.9	52.3
65	13.2	10.6	15.8



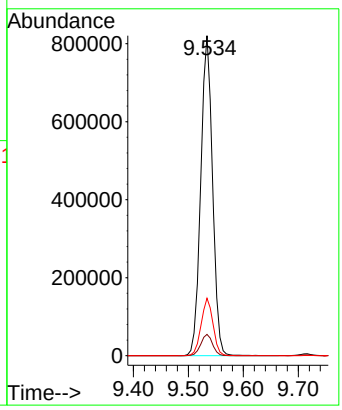


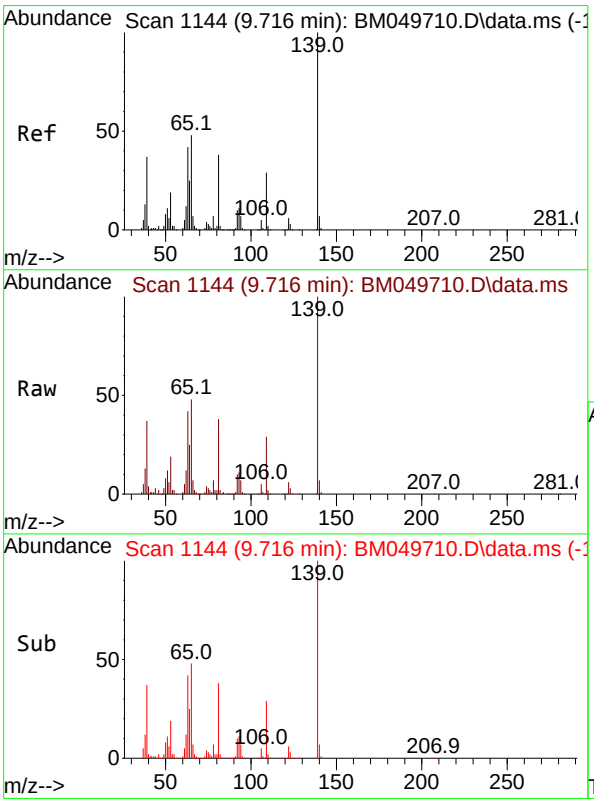
#25
Isophorone
Concen: 39.484 ng
RT: 9.534 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1223198

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	18.0	14.4	21.6

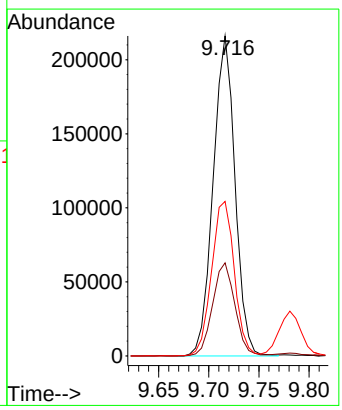


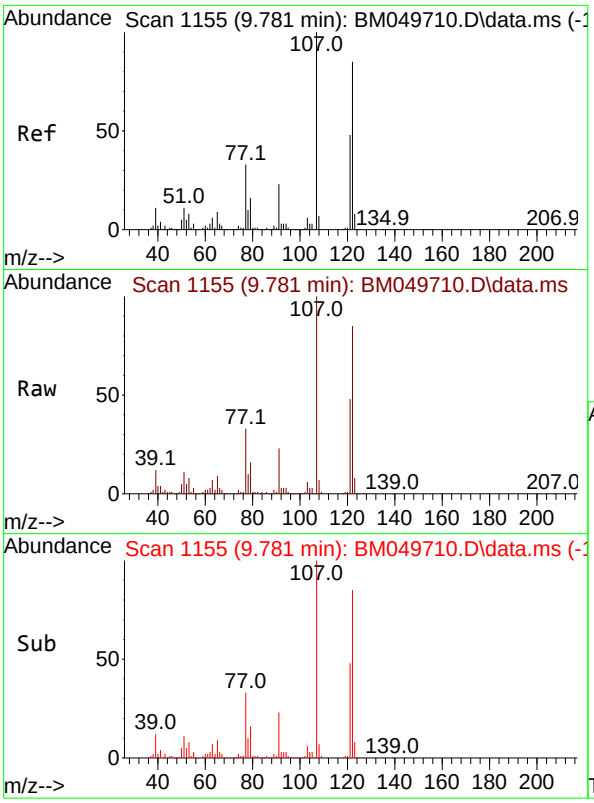


#26
2-Nitrophenol
Concen: 40.328 ng
RT: 9.716 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:139 Resp: 326569

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.3	34.9
65	48.3	38.6	58.0



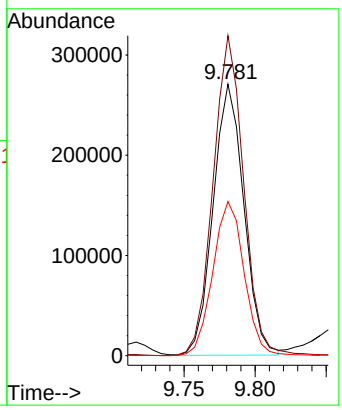


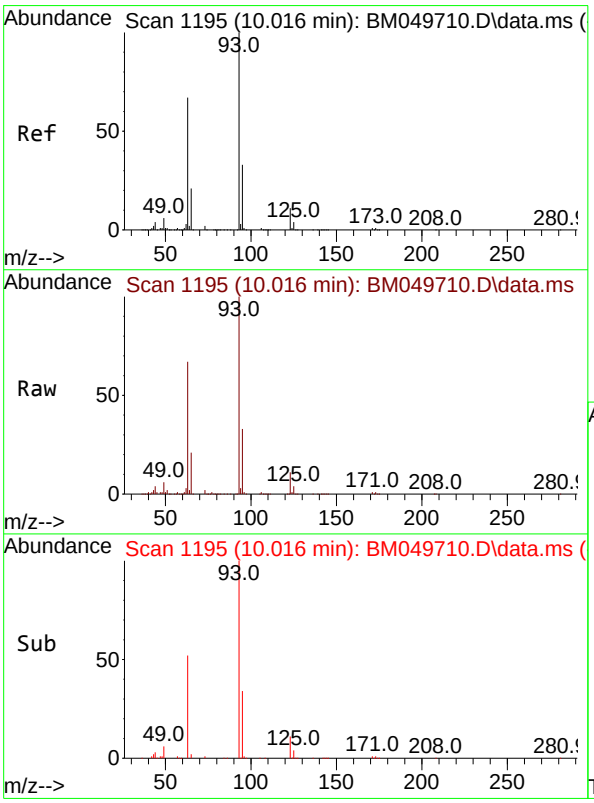
#27
2,4-Dimethylphenol
Concen: 39.514 ng
RT: 9.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 407285

Ion	Ratio	Lower	Upper
122	100		
107	117.9	94.3	141.5
121	56.8	45.4	68.2

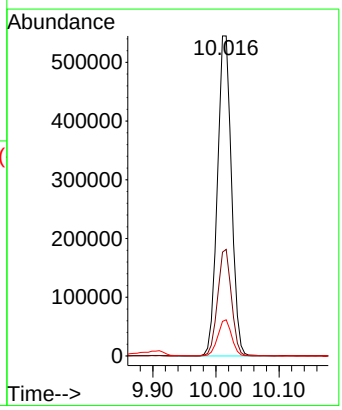


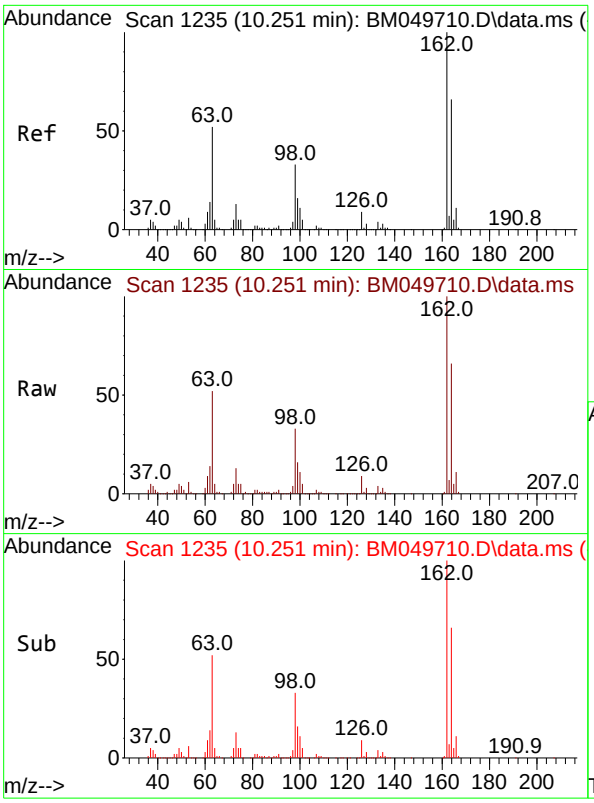


#28
bis(2-Chloroethoxy)methane
Concen: 38.655 ng
RT: 10.016 min Scan# 1195
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 93 Resp: 843433

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	11.3	9.0	13.6



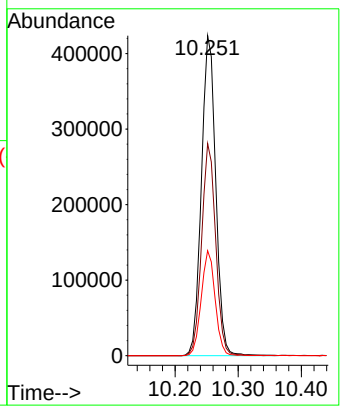


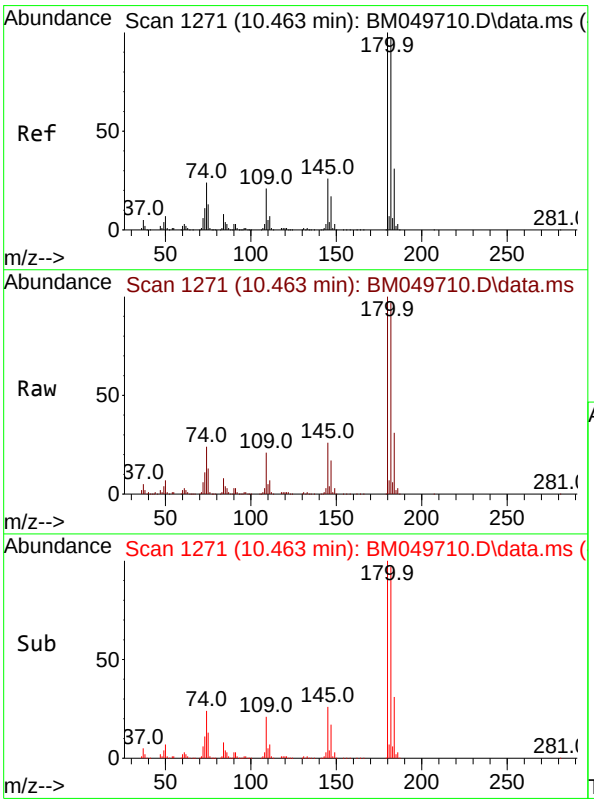
#29
2,4-Dichlorophenol
Concen: 39.804 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 668537

Ion	Ratio	Lower	Upper
162	100		
164	66.3	46.3	86.3
98	32.8	12.8	52.8

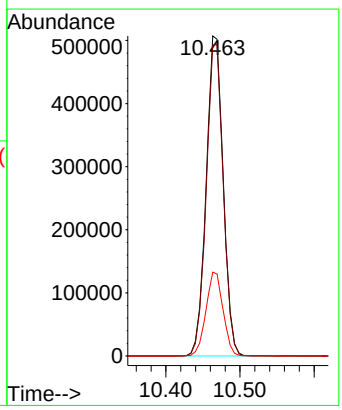


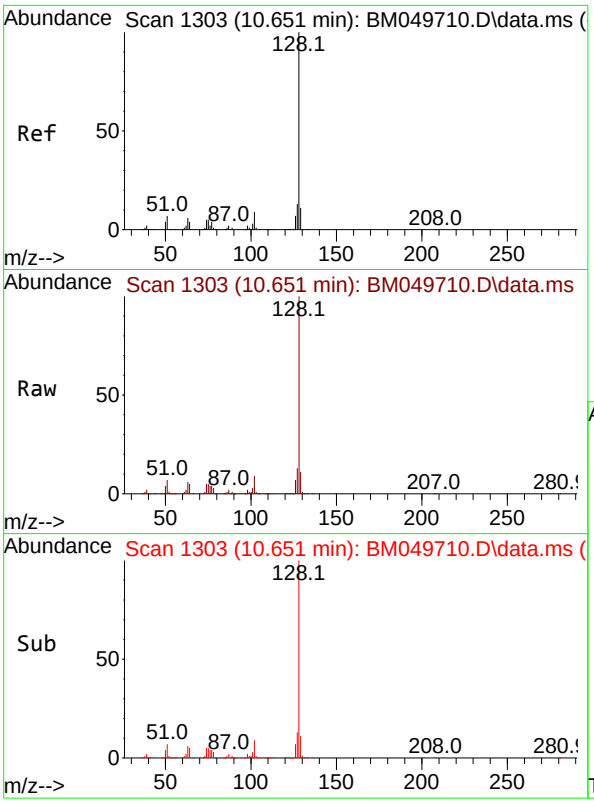


#30
1,2,4-Trichlorobenzene
Concen: 38.523 ng
RT: 10.463 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:180 Resp: 809518

Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.7	116.5
145	26.2	21.0	31.4



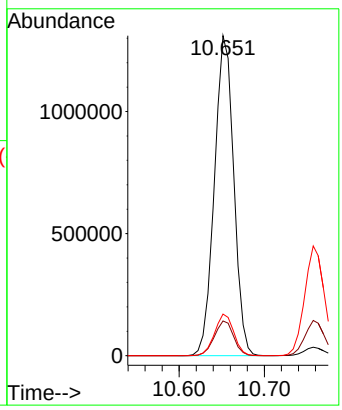


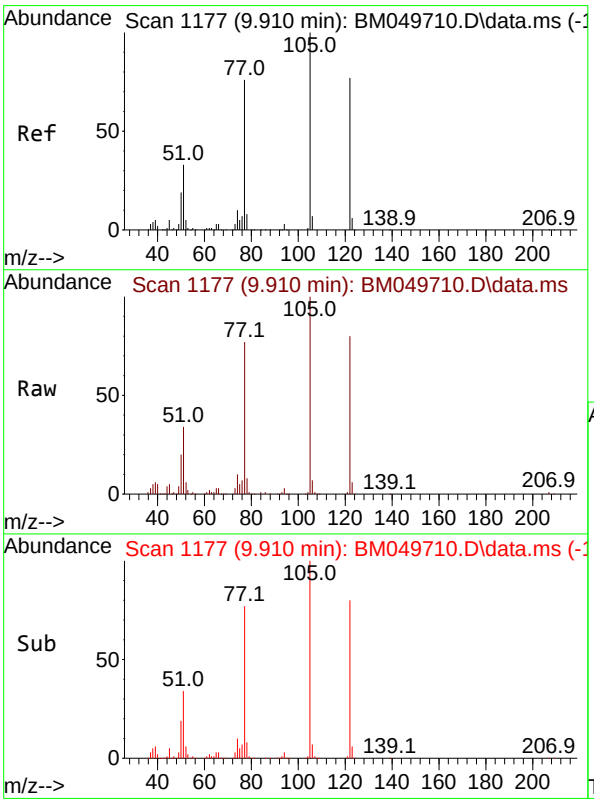
#31
Naphthalene
Concen: 38.821 ng
RT: 10.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2067950

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.0	10.4	15.6

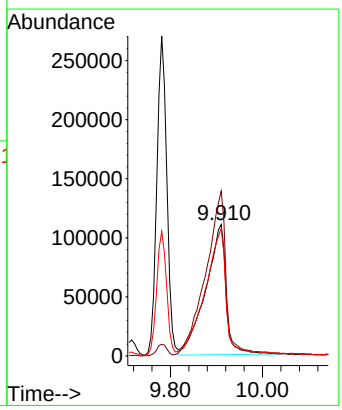


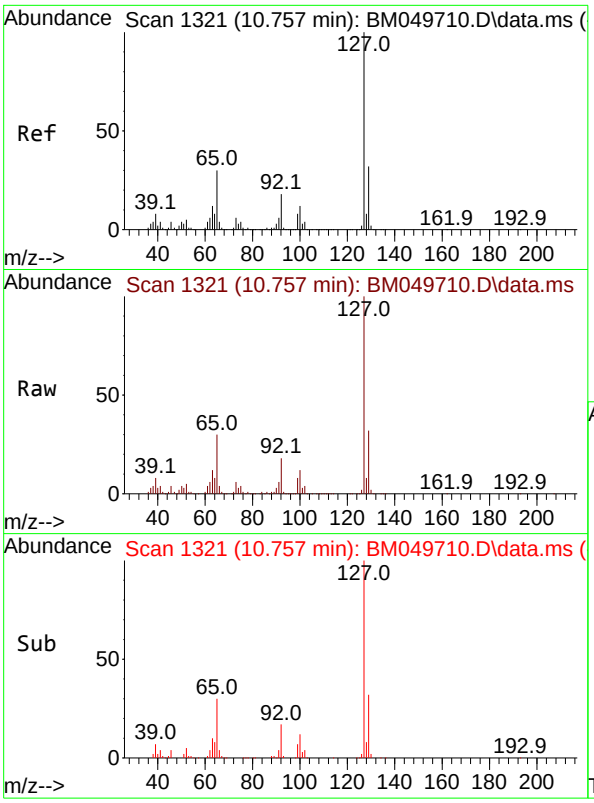


#32
Benzoic acid
Concen: 38.761 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:122 Resp: 339891

Ion	Ratio	Lower	Upper
122	100		
105	125.6	105.6	145.6
77	96.9	76.9	116.9



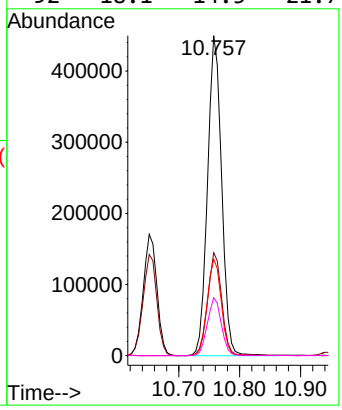


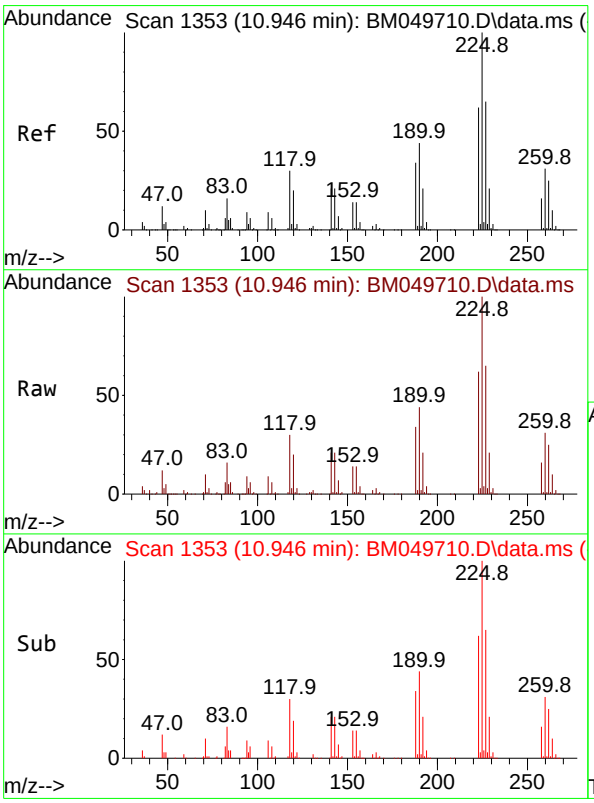
#33
4-Chloroaniline
Concen: 39.833 ng
RT: 10.757 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 724131

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	30.1	24.1	36.1
92	18.1	14.5	21.7

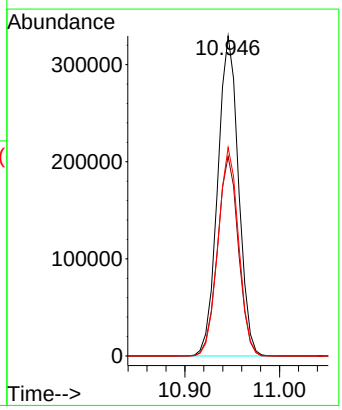


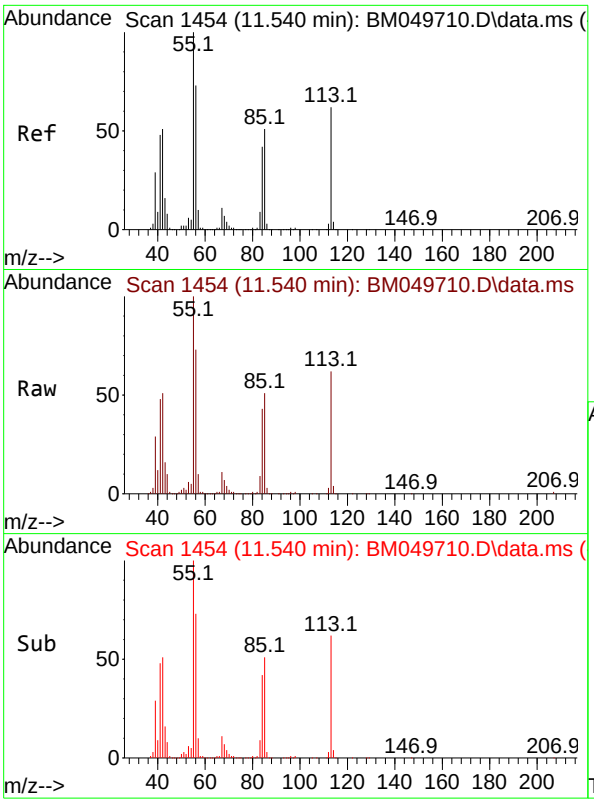


#34
Hexachlorobutadiene
Concen: 38.741 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:225 Resp: 502566

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.8
227	65.1	52.1	78.1



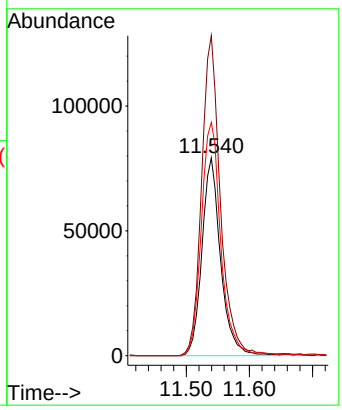


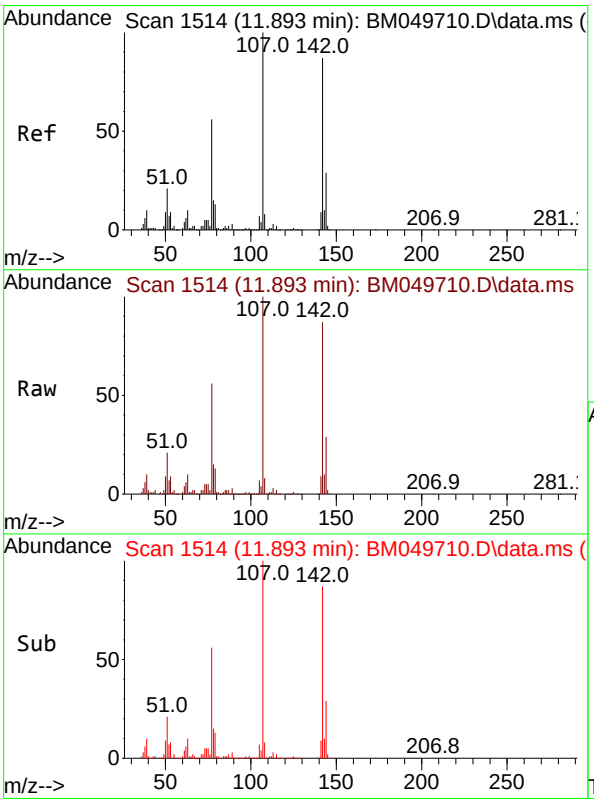
#35
Caprolactam
Concen: 41.684 ng
RT: 11.540 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 162546

Ion	Ratio	Lower	Upper
113	100		
55	161.8	141.8	181.8
56	118.0	98.0	138.0

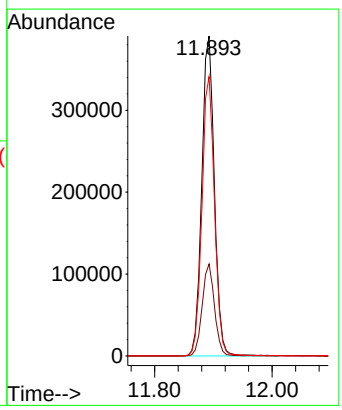


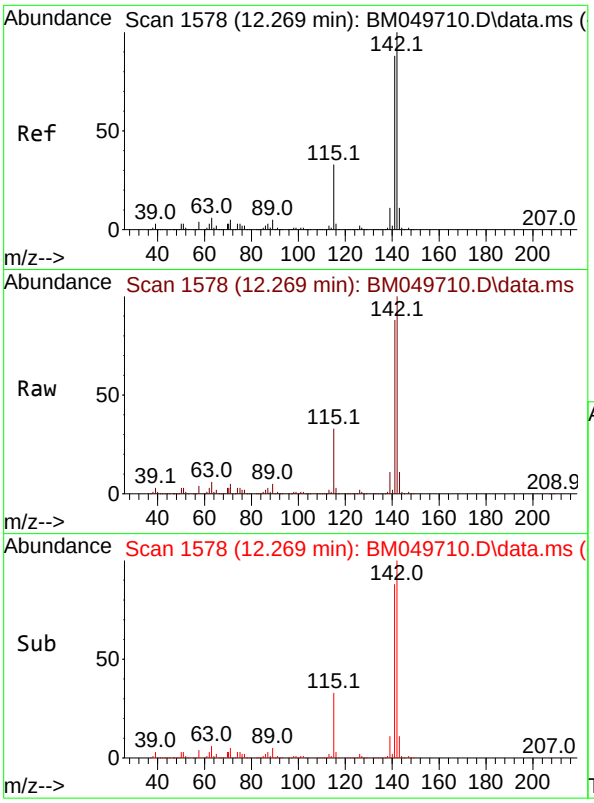


#36
4-Chloro-3-methylphenol
Concen: 40.328 ng
RT: 11.893 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:107 Resp: 581269

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.0	34.6
142	87.3	69.8	104.8



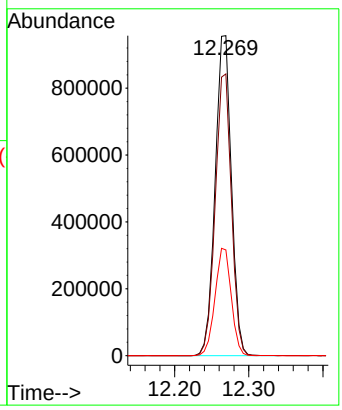


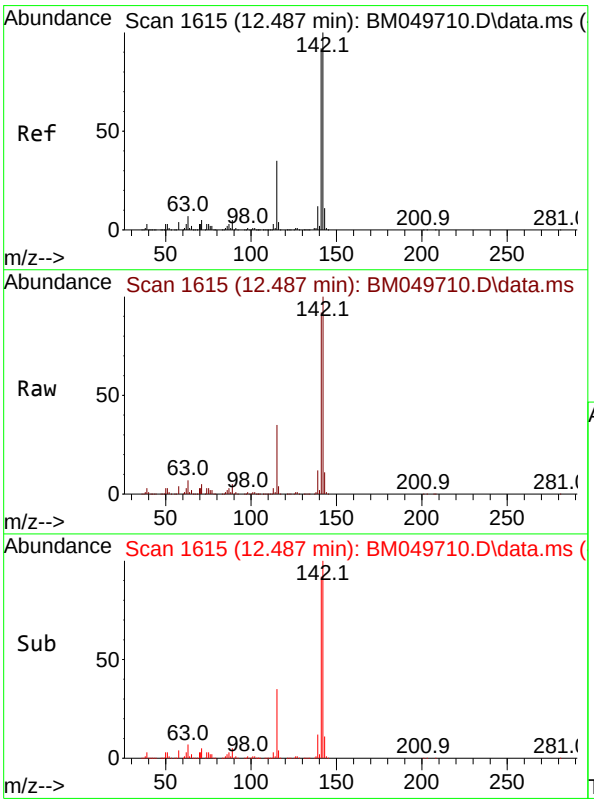
#37
2-Methylnaphthalene
Concen: 39.160 ng
RT: 12.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1458607

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7
115	33.1	26.5	39.7

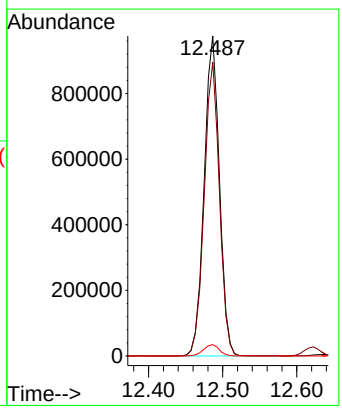


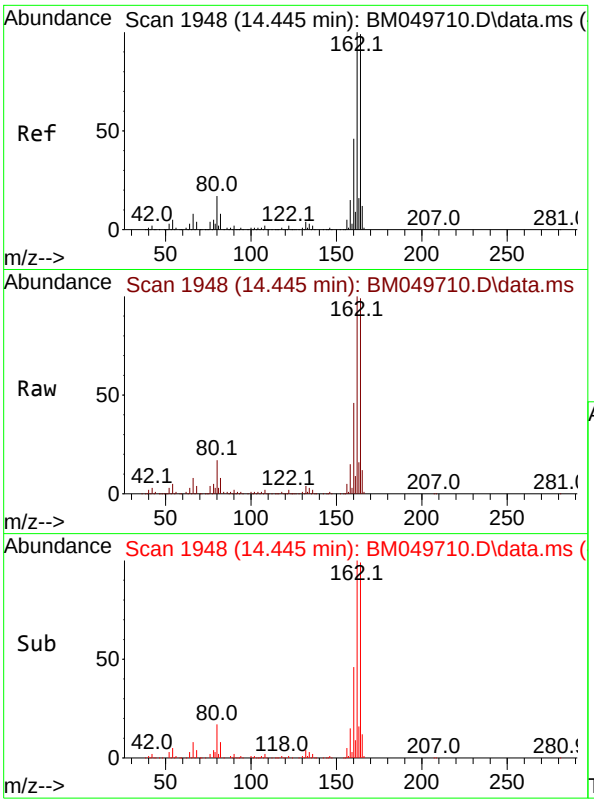


#38
1-Methylnaphthalene
Concen: 38.887 ng
RT: 12.487 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:142 Resp: 1397474

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2
116	3.5	2.8	4.2



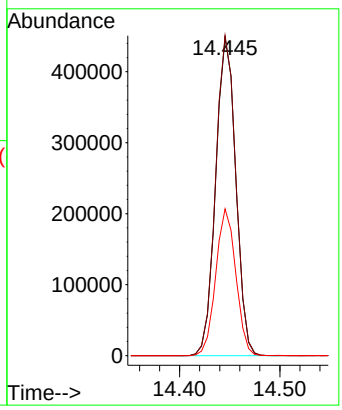


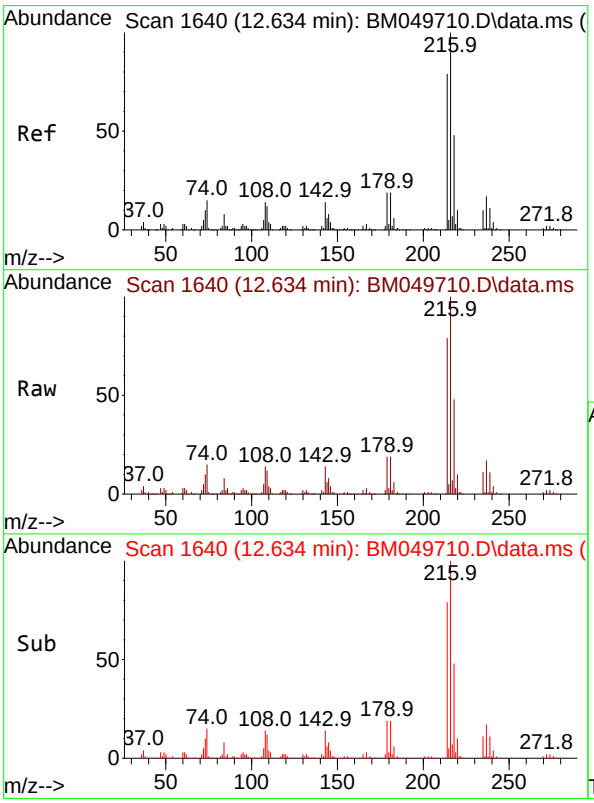
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 623426

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.5	120.7
160	46.1	36.9	55.3

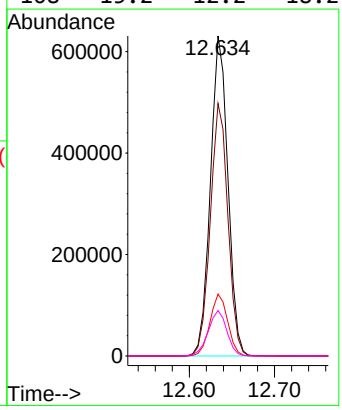


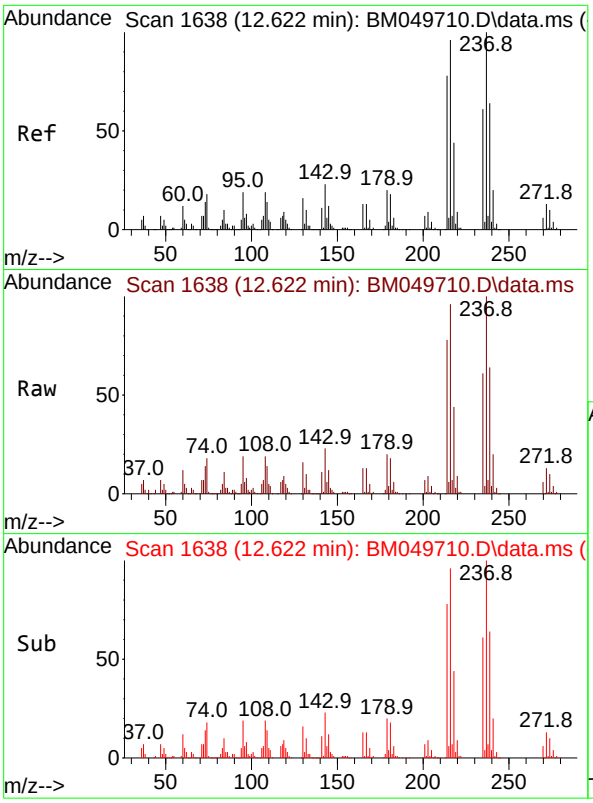


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.219 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:216 Resp: 898103

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.5	95.3
179	19.6	15.7	23.5
108	15.2	12.2	18.2



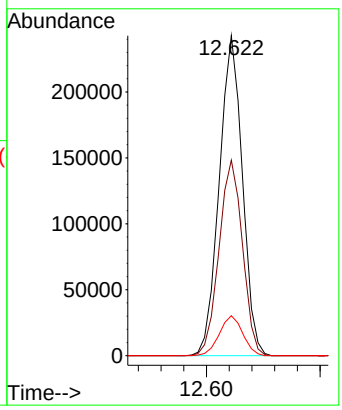


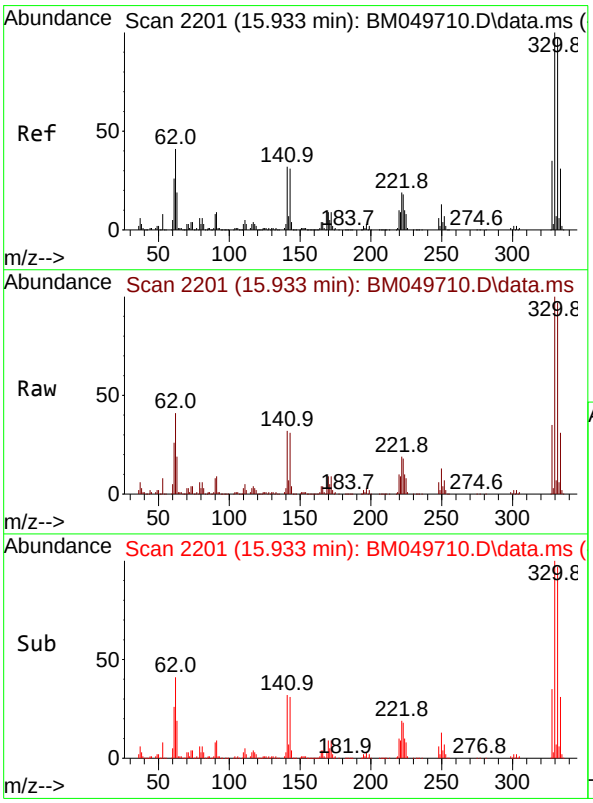
#41
Hexachlorocyclopentadiene
Concen: 40.446 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 343127

Ion	Ratio	Lower	Upper
237	100		
235	61.1	41.1	81.1
272	12.5	0.0	32.5

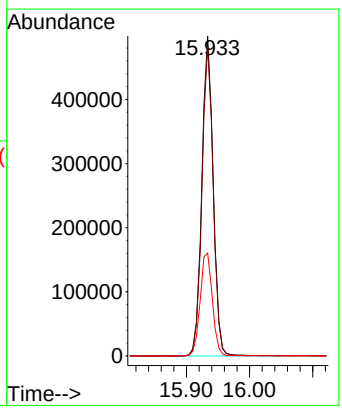


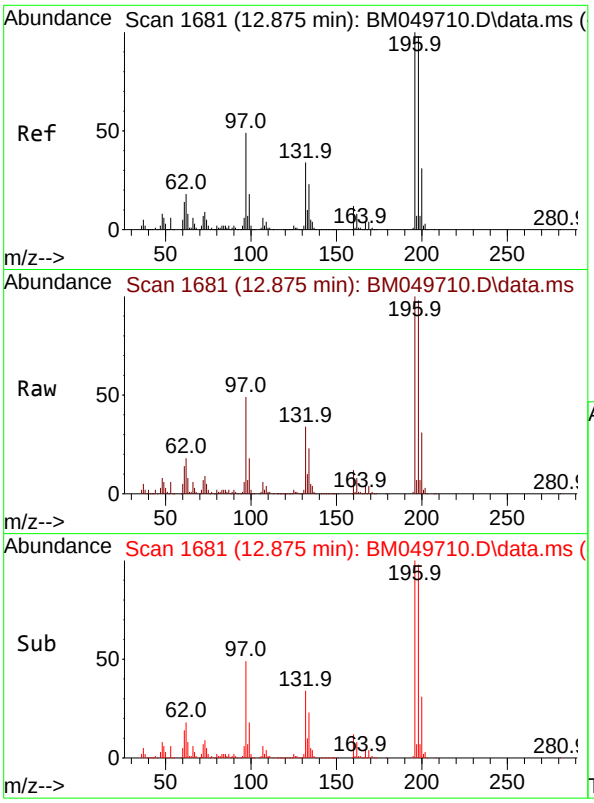


#42
2,4,6-Tribromophenol
Concen: 85.746 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:330 Resp: 624211

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.4
141	34.7	27.8	41.6



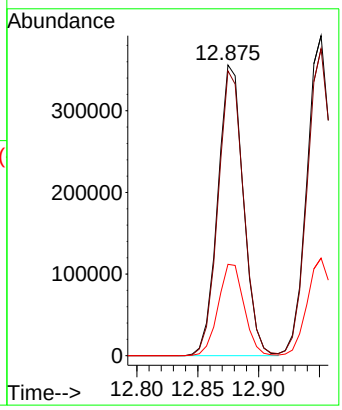


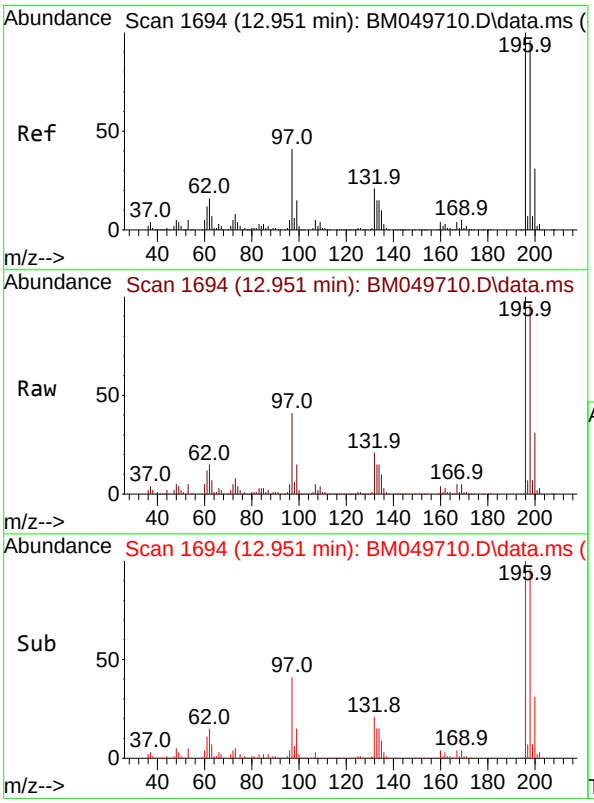
#43
2,4,6-Trichlorophenol
Concen: 40.633 ng
RT: 12.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 521138

Ion	Ratio	Lower	Upper
196	100		
198	97.9	78.3	117.5
200	31.4	25.1	37.7

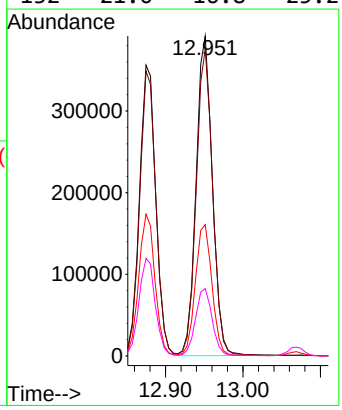


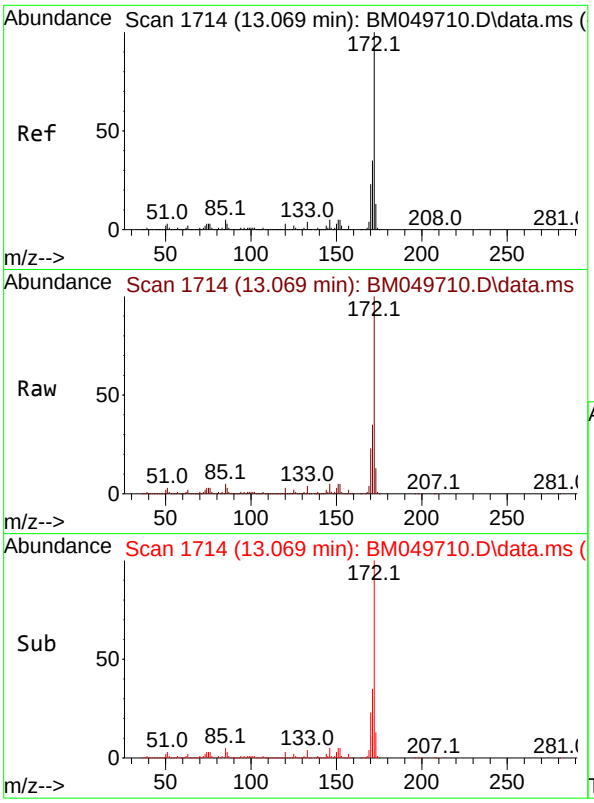


#44
2,4,5-Trichlorophenol
Concen: 40.810 ng
RT: 12.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:196 Resp: 571159

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	41.1	32.9	49.3
132	21.0	16.8	25.2



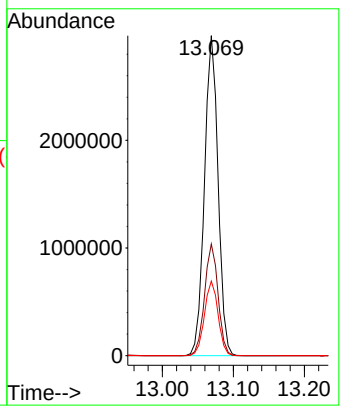


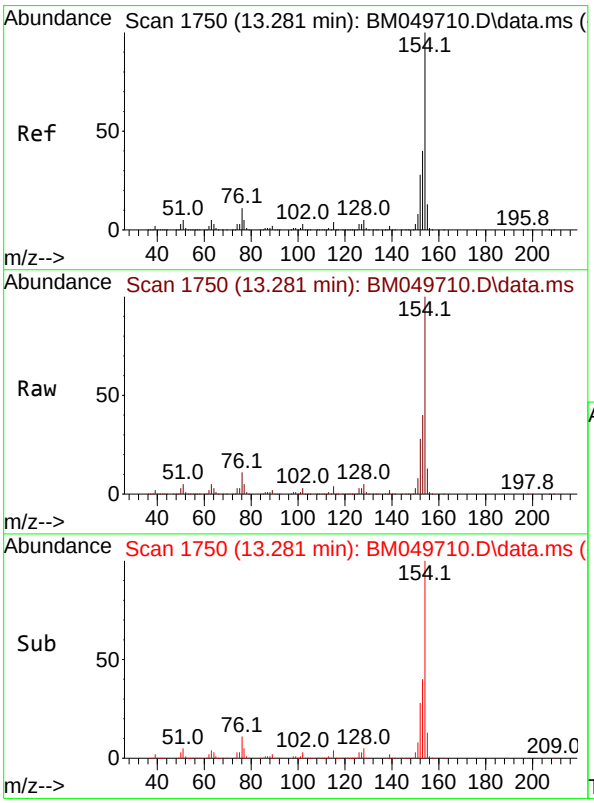
#45
2-Fluorobiphenyl
Concen: 79.506 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3957740

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.3	18.6	28.0

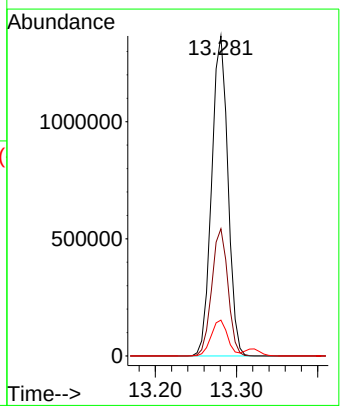


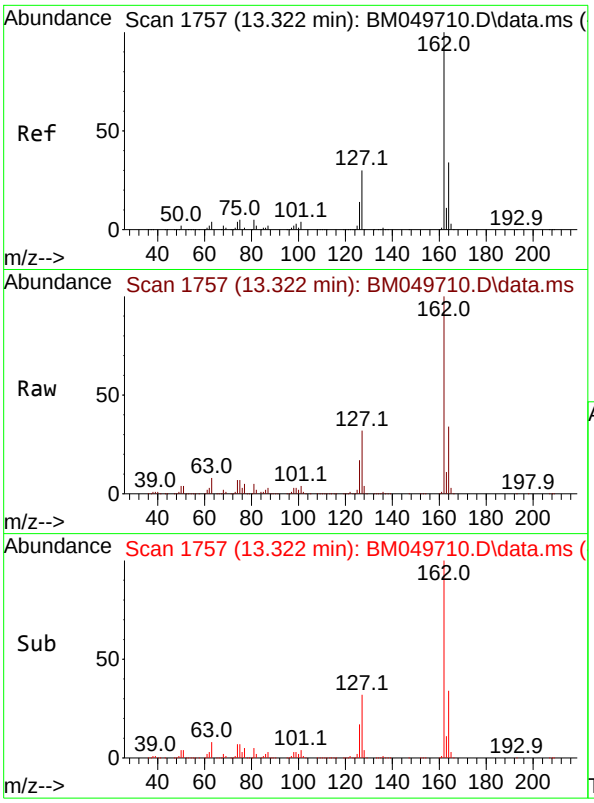


#46
1,1'-Biphenyl
Concen: 39.509 ng
RT: 13.281 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:154 Resp: 1898343

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.7	59.7
76	11.2	0.0	31.2



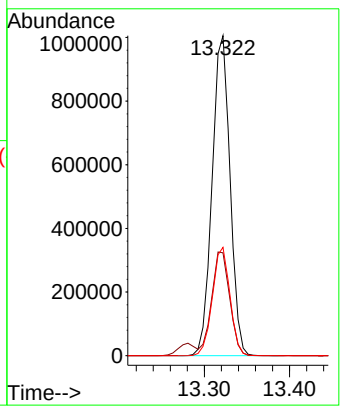


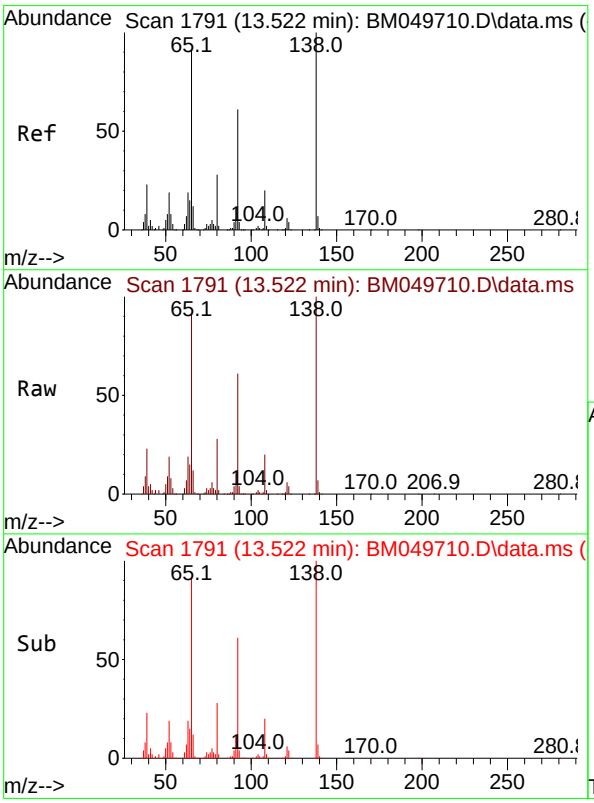
#47
2-Chloronaphthalene
Concen: 39.253 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1468019

Ion	Ratio	Lower	Upper
162	100		
127	32.2	25.8	38.6
164	33.9	27.1	40.7

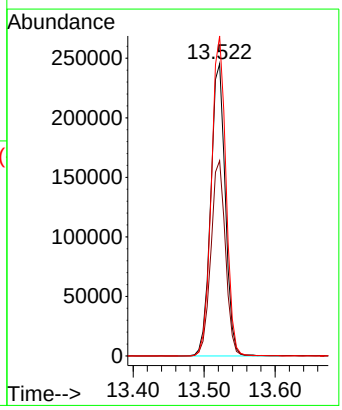


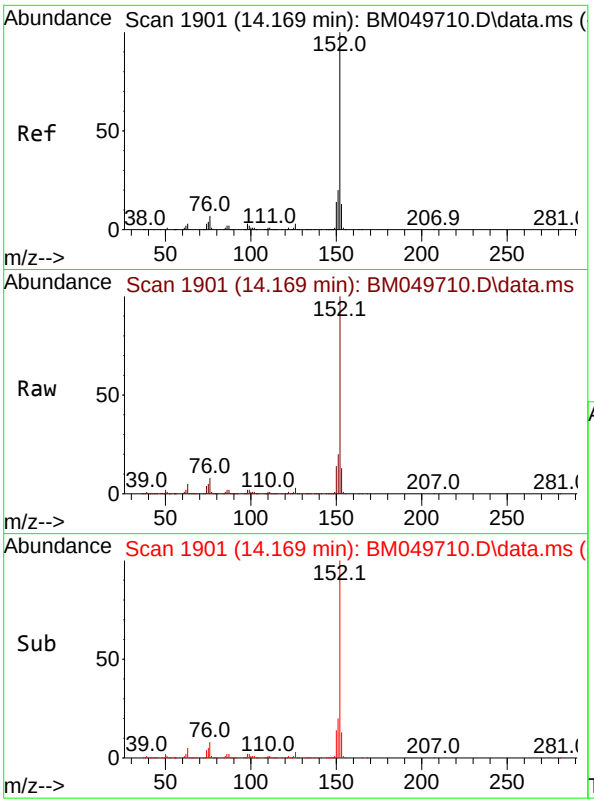


#48
2-Nitroaniline
Concen: 41.611 ng
RT: 13.522 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 65 Resp: 349344

Ion	Ratio	Lower	Upper
65	100		
92	66.8	53.4	80.2
138	109.5	87.6	131.4



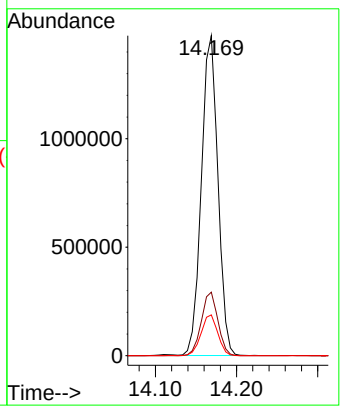


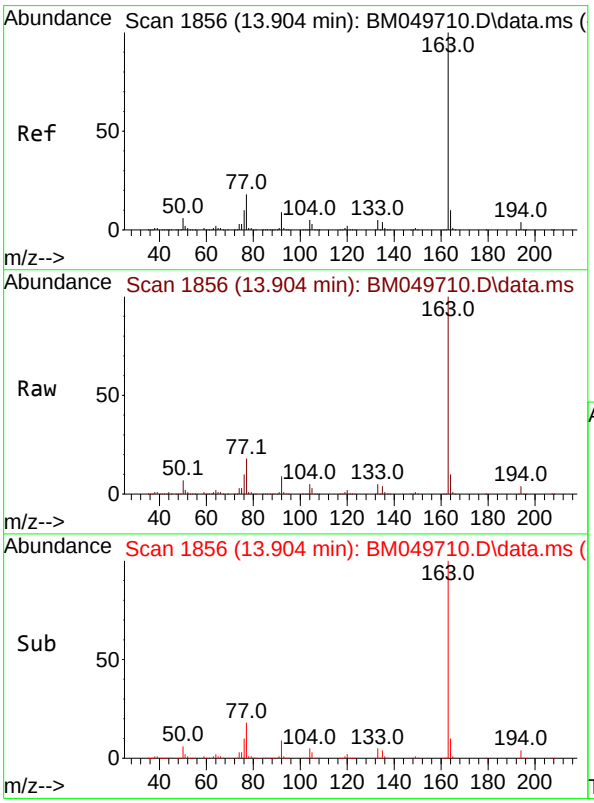
#49
Acenaphthylene
Concen: 39.868 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2084102

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.8	10.2	15.4

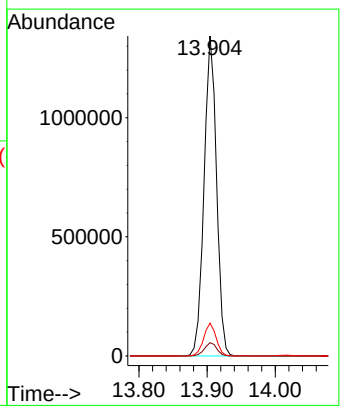


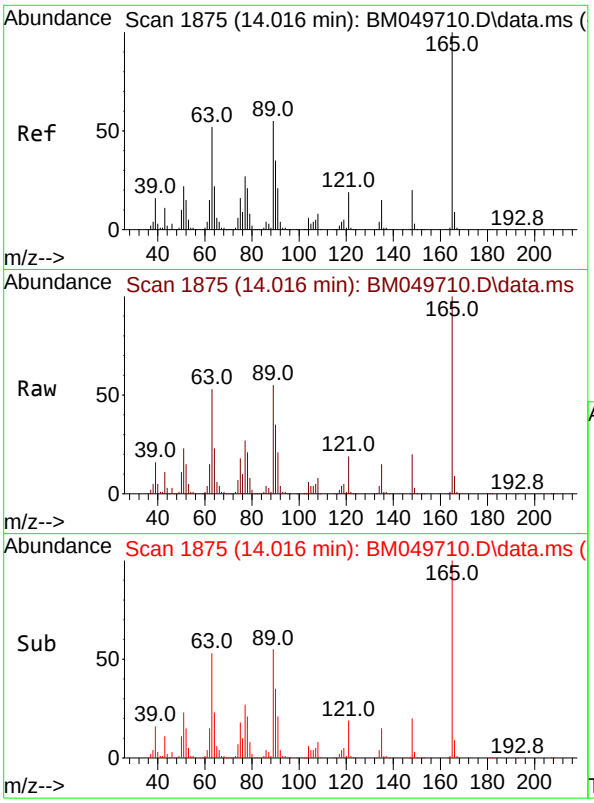


#50
Dimethylphthalate
Concen: 39.784 ng
RT: 13.904 min Scan# 1856
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:163 Resp: 1707639

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.2





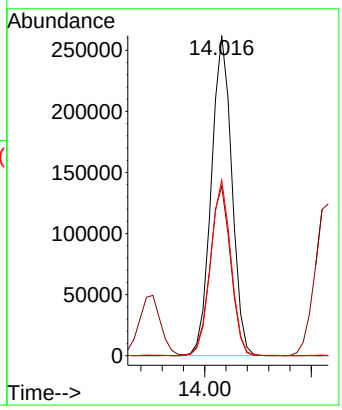
#51
2,6-Dinitrotoluene
Concen: 40.677 ng
RT: 14.016 min Scan# 1

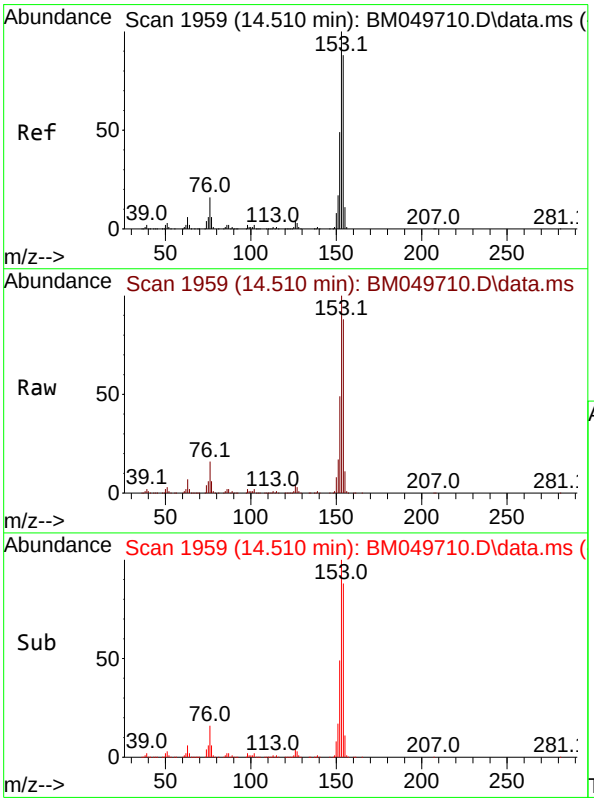
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:165 Resp: 349837

Ion	Ratio	Lower	Upper
165	100		
63	52.9	42.3	63.5
89	54.9	43.9	65.9

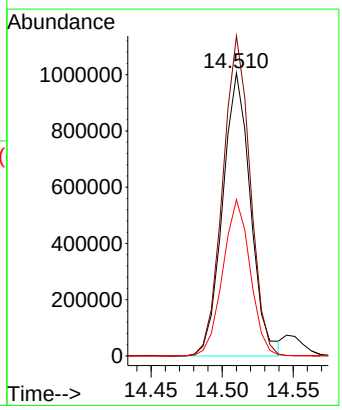


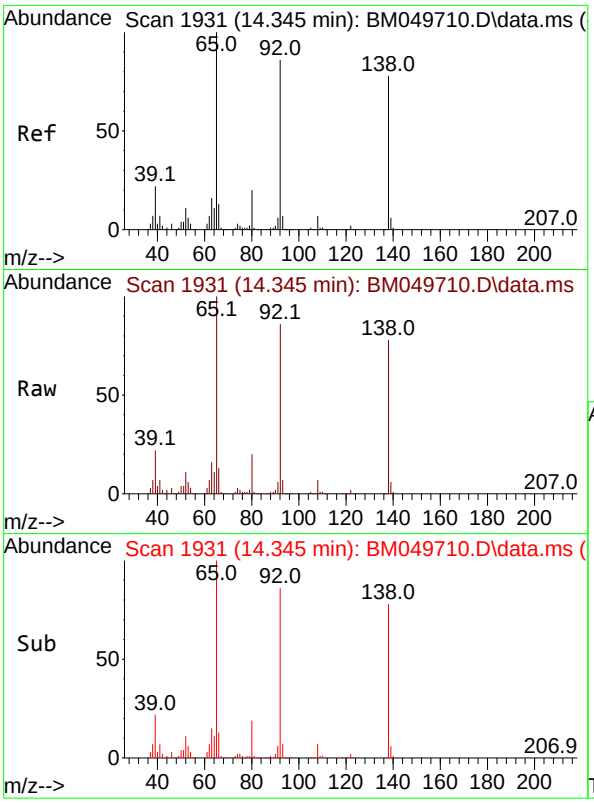


#52
Acenaphthene
Concen: 40.091 ng
RT: 14.510 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:154 Resp: 1373000

Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.4	135.6
152	55.2	44.2	66.2



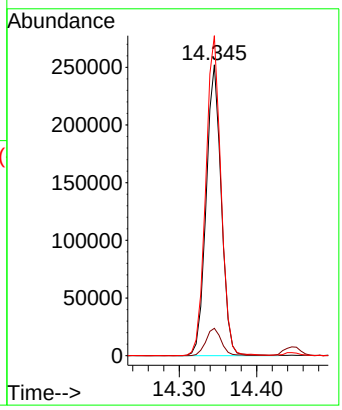


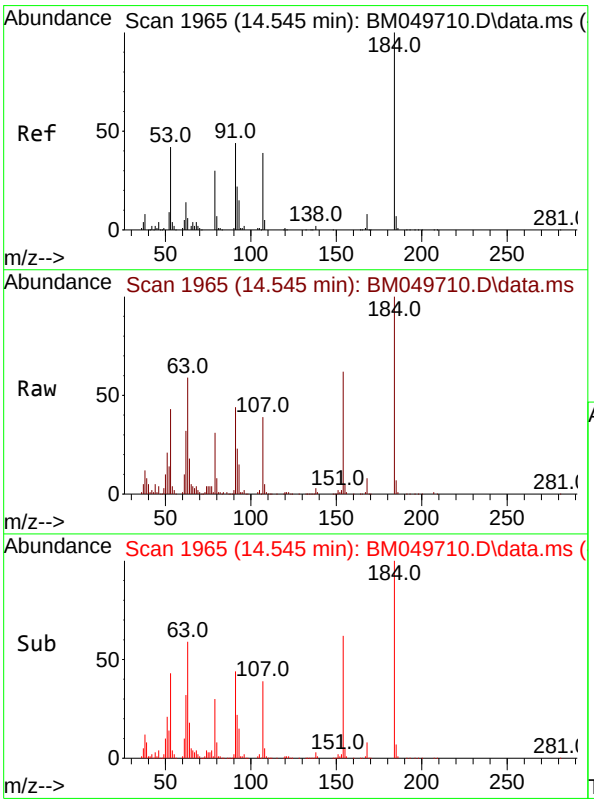
#53
3-Nitroaniline
Concen: 41.620 ng
RT: 14.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 340625

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.5	11.3
92	110.0	88.0	132.0

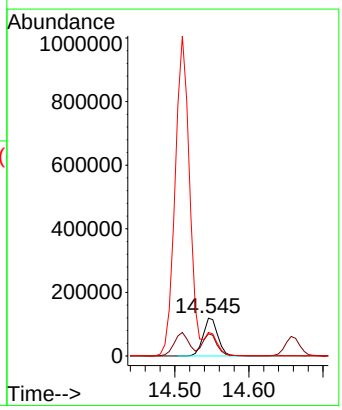


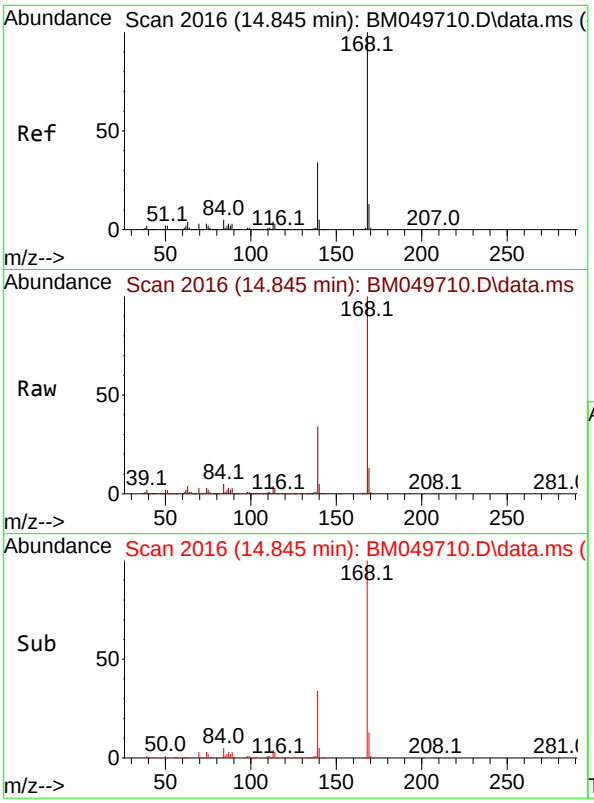


#54
2,4-Dinitrophenol
Concen: 39.242 ng
RT: 14.545 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:184 Resp: 164715

Ion	Ratio	Lower	Upper
184	100		
63	59.0	47.2	70.8
154	62.4	49.9	74.9



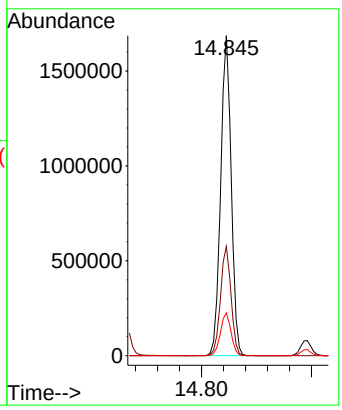


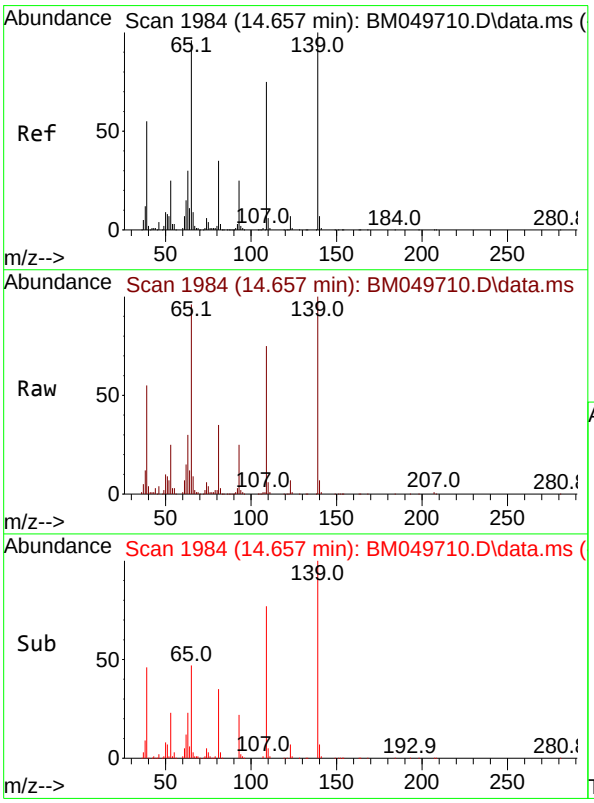
#55
Dibenzofuran
Concen: 39.088 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2233364

Ion	Ratio	Lower	Upper
168	100		
139	34.2	27.4	41.0
169	13.4	10.7	16.1

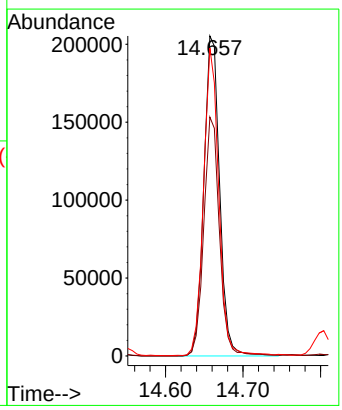


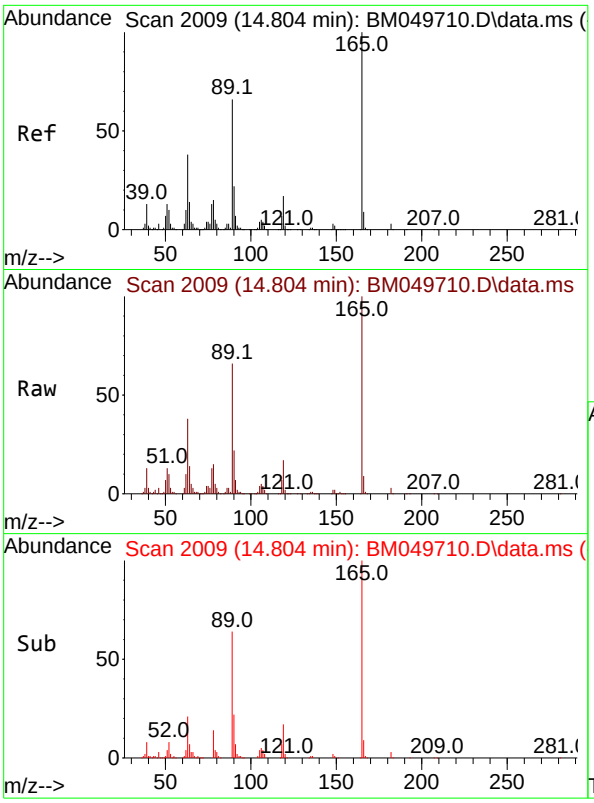


#56
4-Nitrophenol
Concen: 40.763 ng
RT: 14.657 min Scan# 1984
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:139 Resp: 290397

Ion	Ratio	Lower	Upper
139	100		
109	74.7	54.7	94.7
65	96.2	76.2	116.2



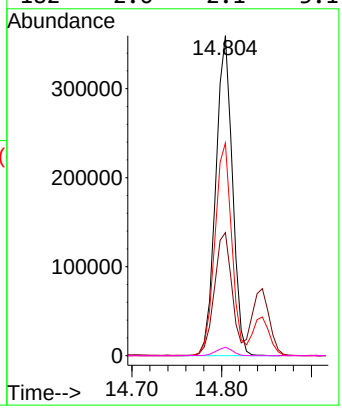


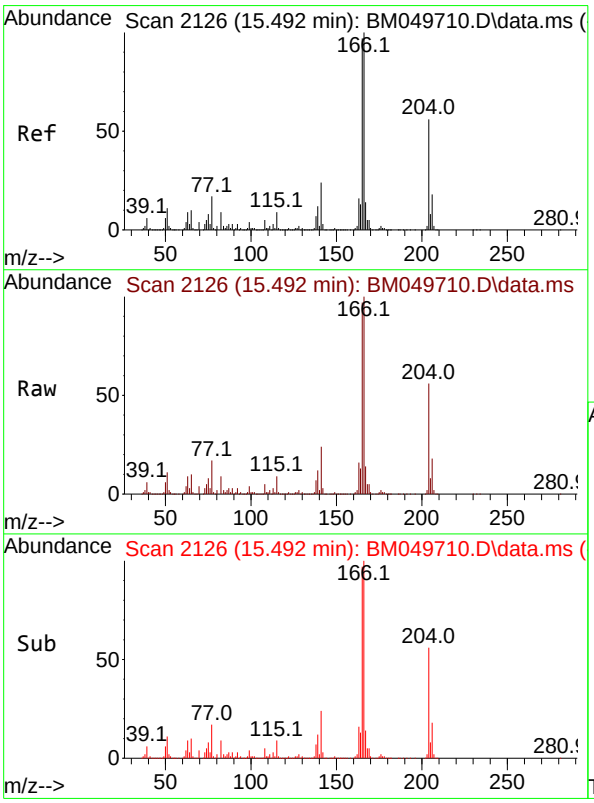
#57
2,4-Dinitrotoluene
Concen: 41.801 ng
RT: 14.804 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 462604

Ion	Ratio	Lower	Upper
165	100		
63	38.5	30.8	46.2
89	66.4	53.1	79.7
182	2.6	2.1	3.1

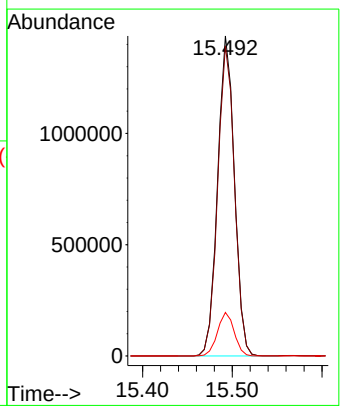


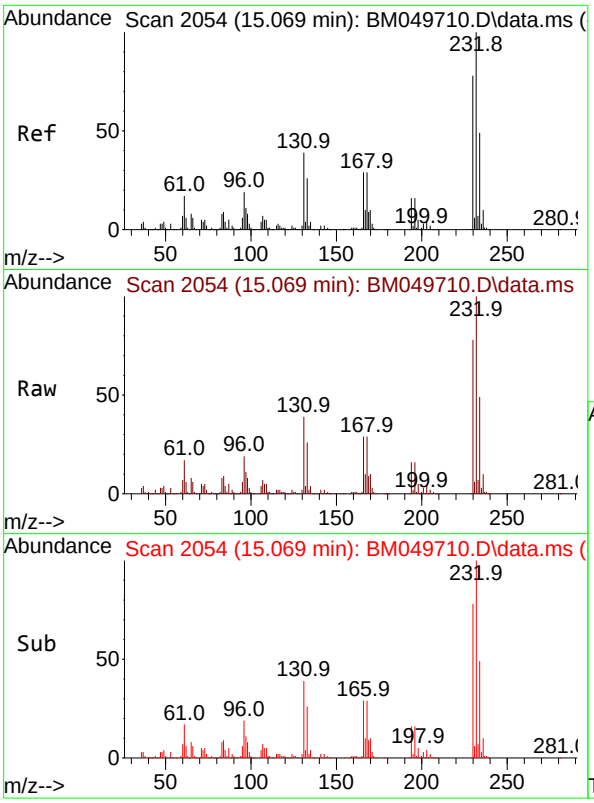


#58
Fluorene
Concen: 40.158 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:166 Resp: 1868135

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.6	10.9	16.3



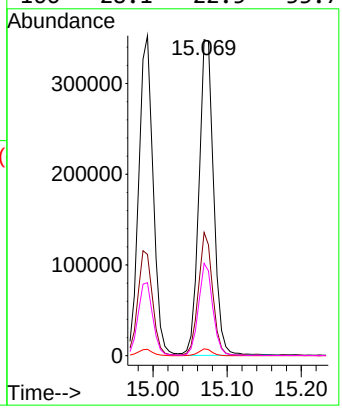


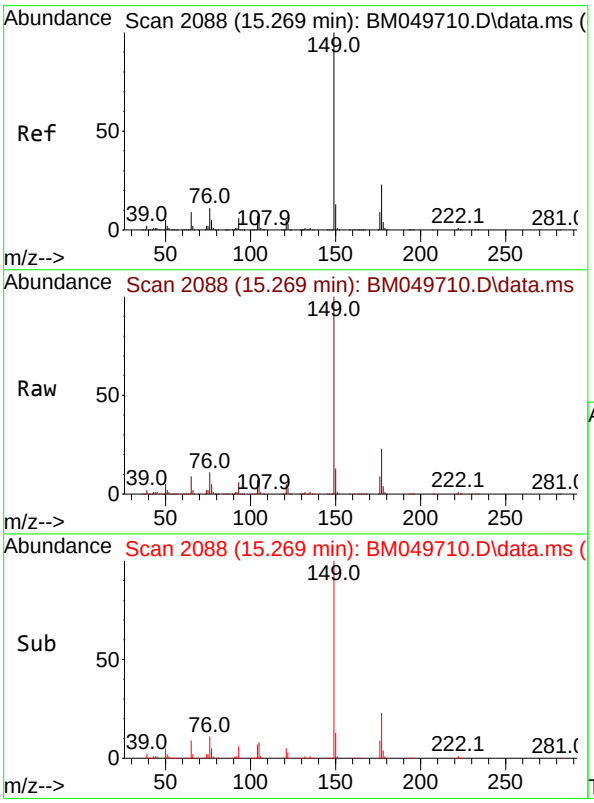
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.950 ng
RT: 15.069 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 479751

Ion	Ratio	Lower	Upper
232	100		
131	37.5	30.0	45.0
130	2.0	1.6	2.4
166	28.1	22.5	33.7

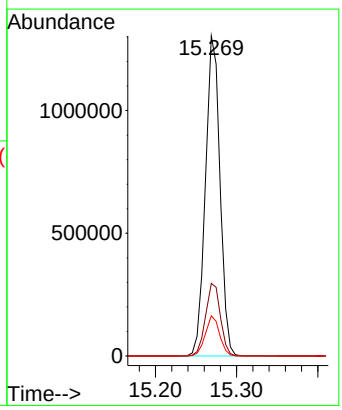


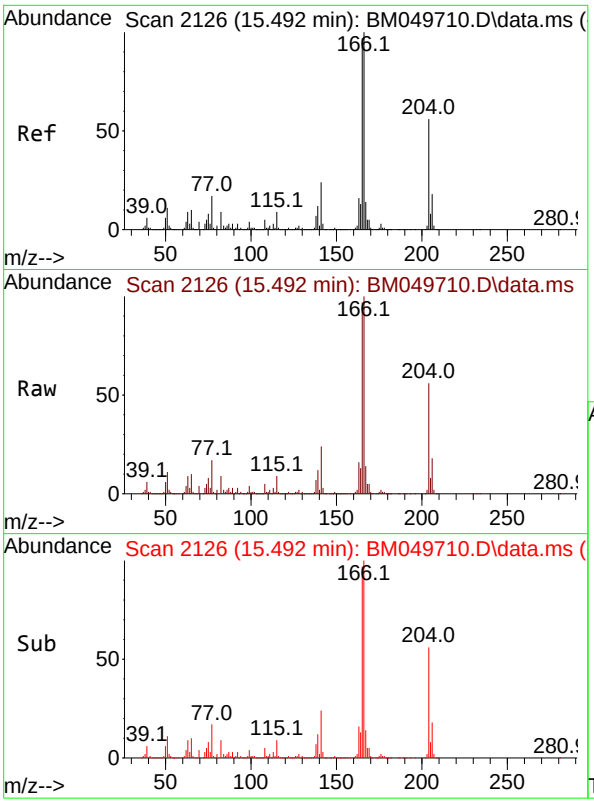


#60
Diethylphthalate
Concen: 40.052 ng
RT: 15.269 min Scan# 2088
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:149 Resp: 1619118

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.5	10.0	15.0



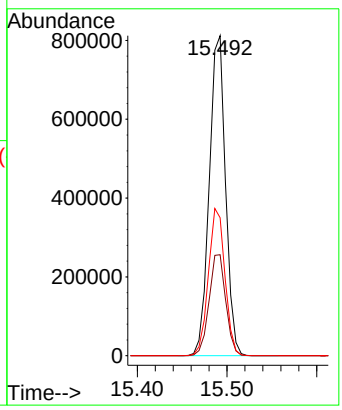


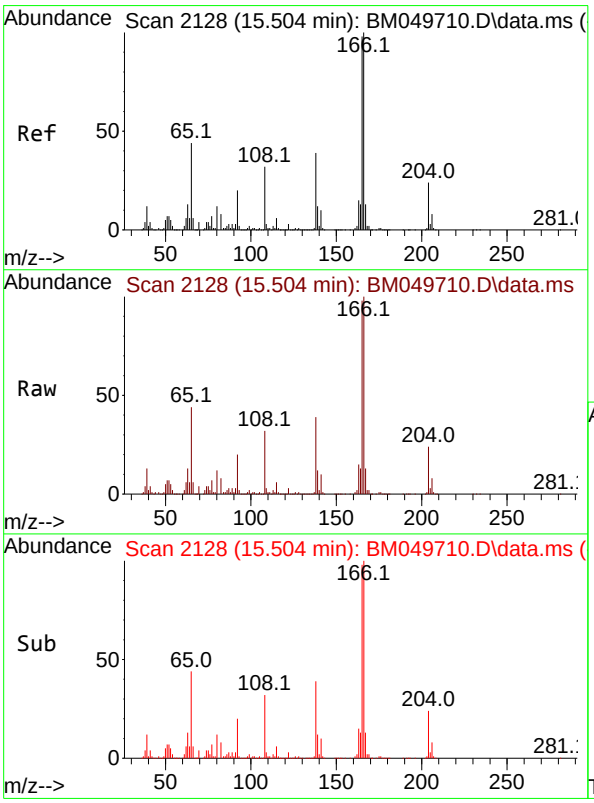
#61
4-Chlorophenyl-phenylether
Concen: 40.157 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1020109

Ion	Ratio	Lower	Upper
204	100		
206	31.5	25.2	37.8
141	43.1	34.5	51.7

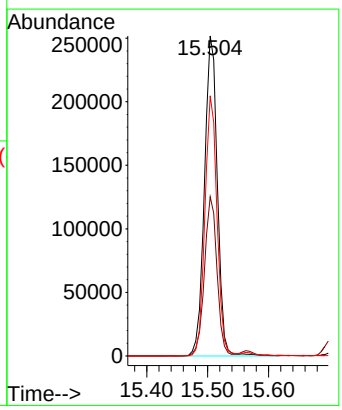


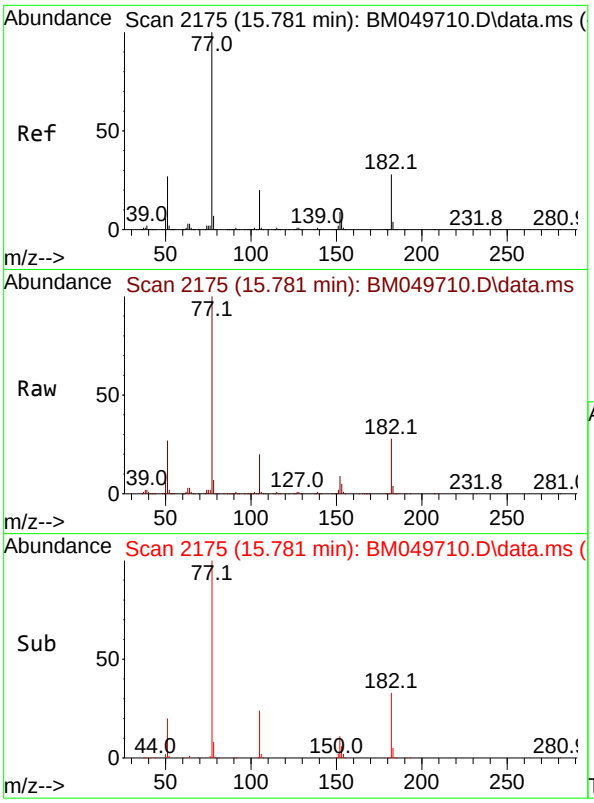


#62
4-Nitroaniline
Concen: 38.997 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:138 Resp: 372286

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.8	69.8
108	81.3	61.3	101.3



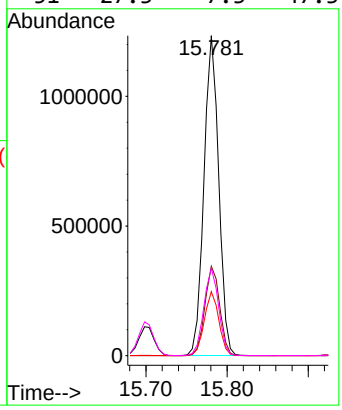


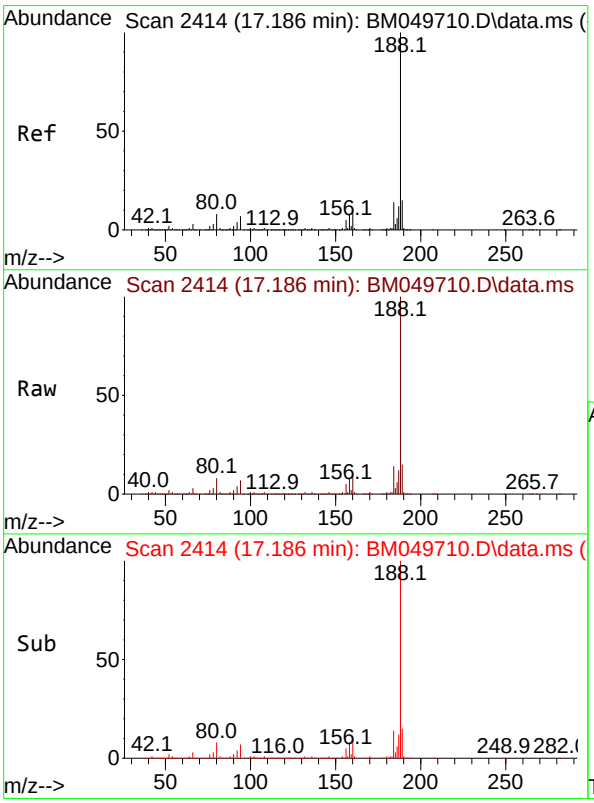
#63
Azobenzene
Concen: 40.187 ng
RT: 15.781 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1551742

Ion	Ratio	Lower	Upper
77	100		
182	28.0	8.0	48.0
105	20.0	0.0	40.0
51	27.3	7.3	47.3

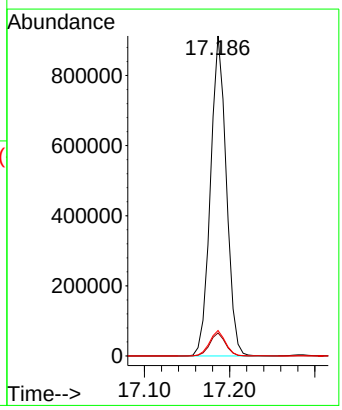


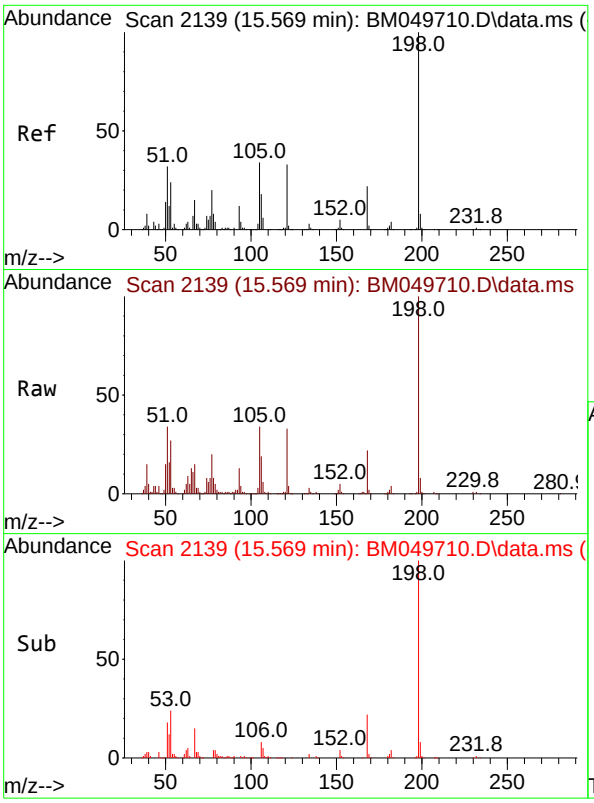


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:188 Resp: 1179542

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	7.9	6.3	9.5



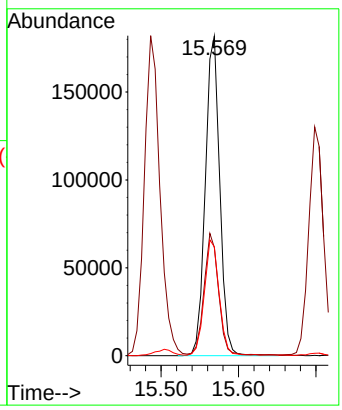


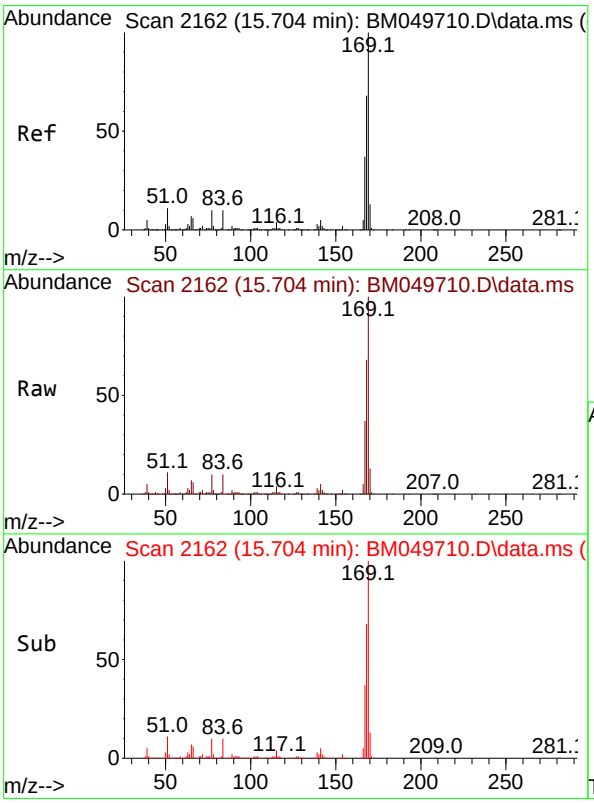
#65
4,6-Dinitro-2-methylphenol
Concen: 39.014 ng
RT: 15.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 235447

Ion	Ratio	Lower	Upper
198	100		
51	33.8	13.8	53.8
105	34.0	14.0	54.0

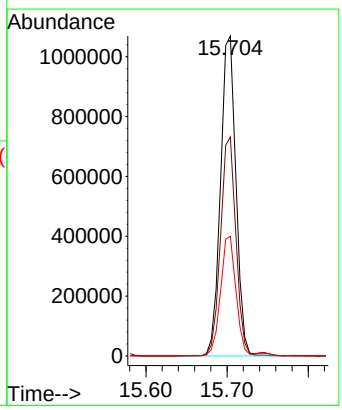


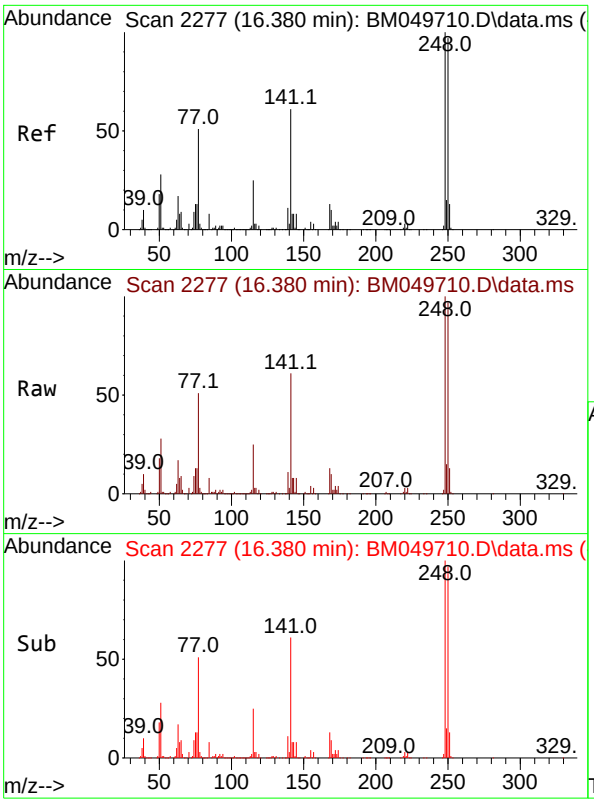


#66
n-Nitrosodiphenylamine
Concen: 39.580 ng
RT: 15.704 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:169 Resp: 1414490

Ion	Ratio	Lower	Upper
169	100		
168	68.5	54.8	82.2
167	37.4	29.9	44.9



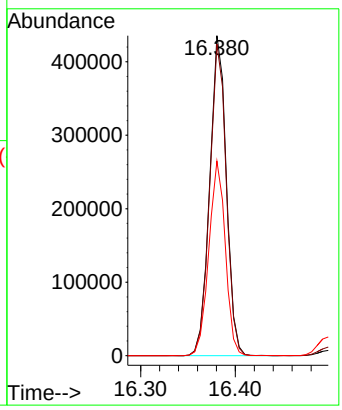


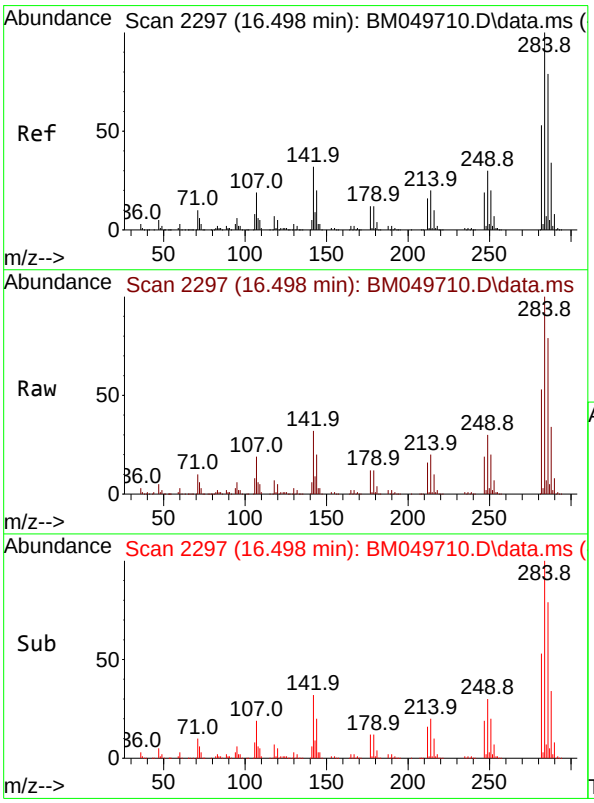
#67
4-Bromophenyl-phenylether
Concen: 39.119 ng
RT: 16.380 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 532750

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.9	116.9
141	60.8	48.6	73.0

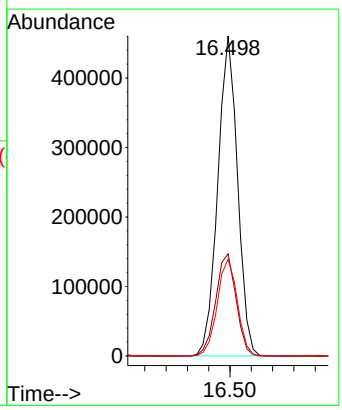


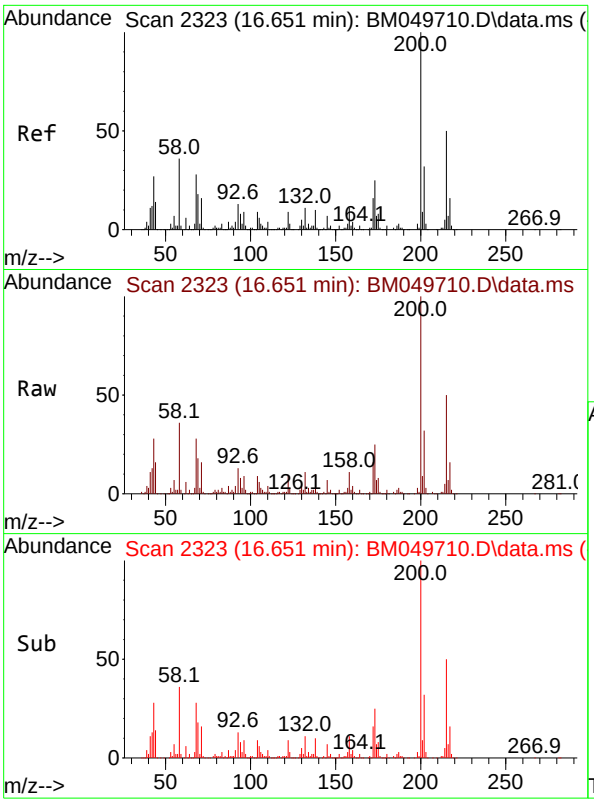


#68
Hexachlorobenzene
Concen: 38.661 ng
RT: 16.498 min Scan# 2297
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:284 Resp: 592070

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.5	38.3
249	30.2	24.2	36.2



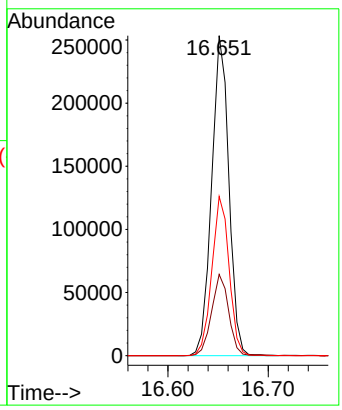


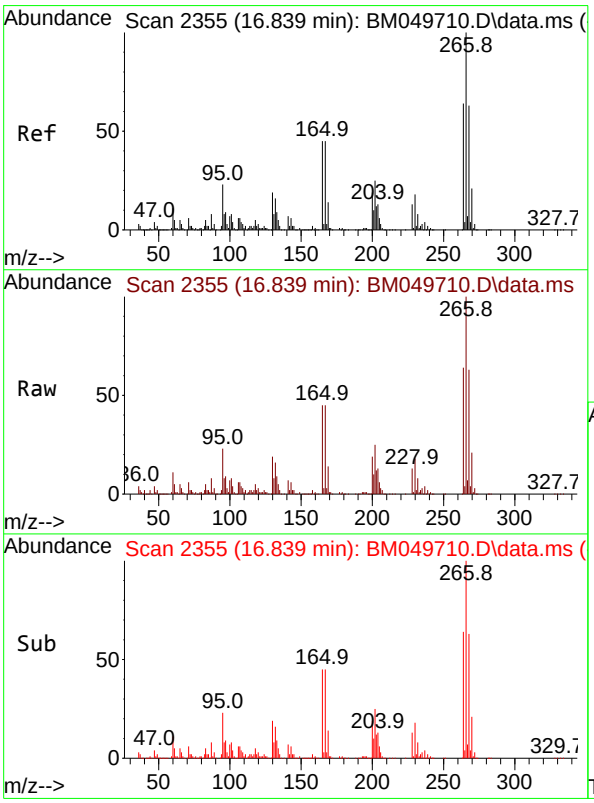
#69
Atrazine
Concen: 38.381 ng
RT: 16.651 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 302291

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	49.8	29.8	69.8

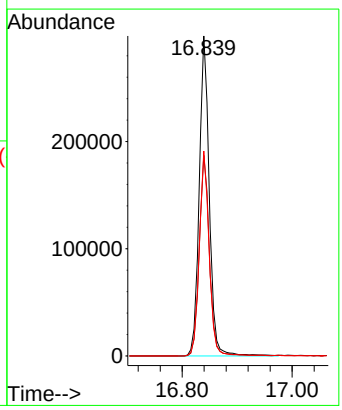


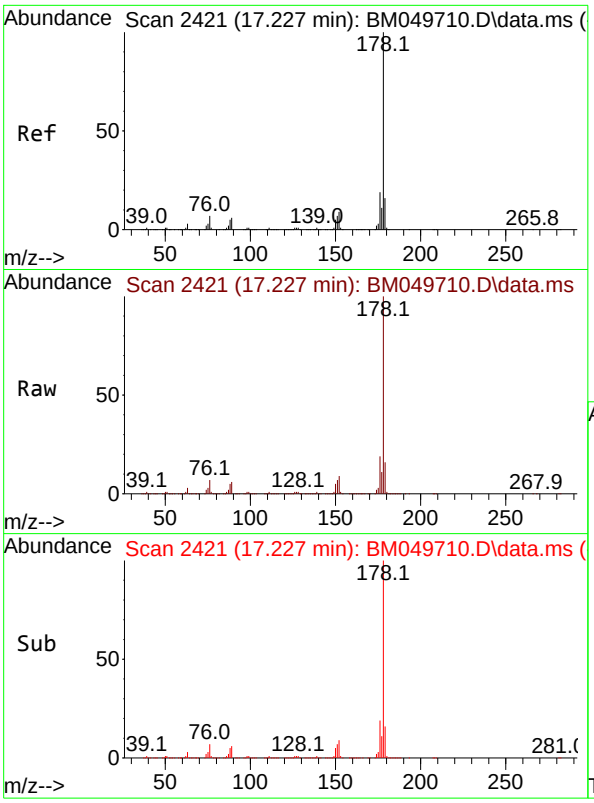


#70
Pentachlorophenol
Concen: 39.488 ng
RT: 16.839 min Scan# 2355
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:266 Resp: 380031

Ion	Ratio	Lower	Upper
266	100		
268	62.7	50.2	75.2
264	64.1	51.3	76.9



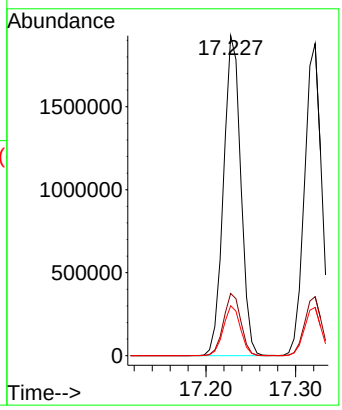


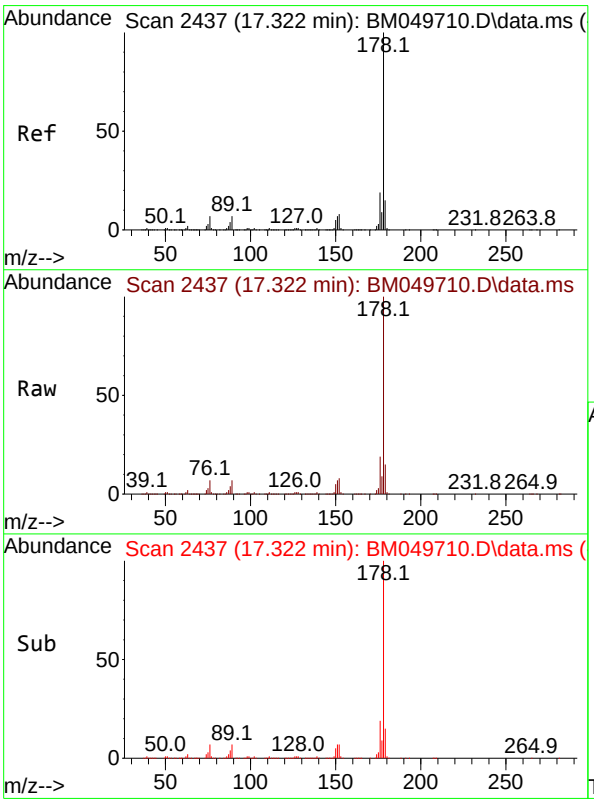
#71
Phenanthrene
Concen: 39.376 ng
RT: 17.227 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2579008

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

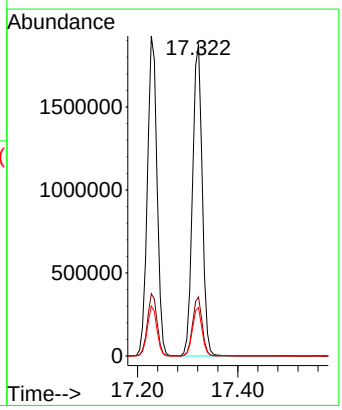


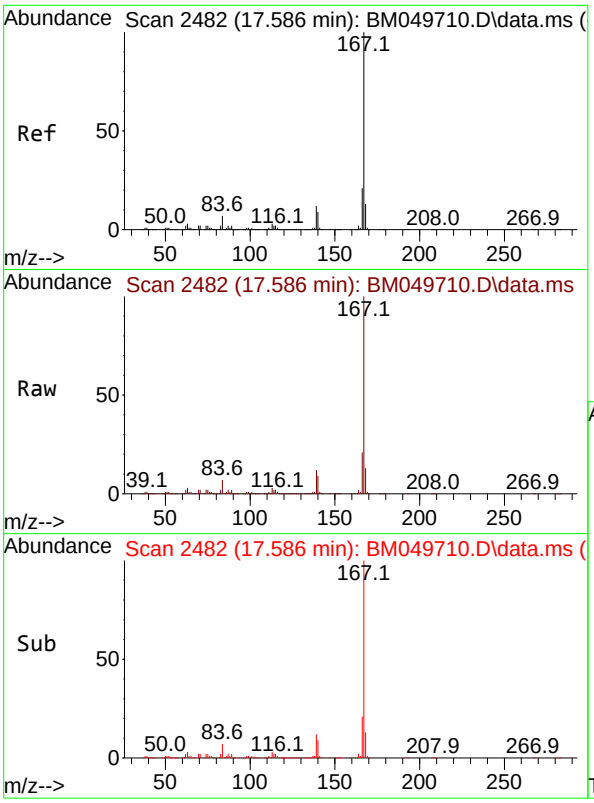


#72
Anthracene
Concen: 39.641 ng
RT: 17.322 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:178 Resp: 2514440

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.5	12.4	18.6



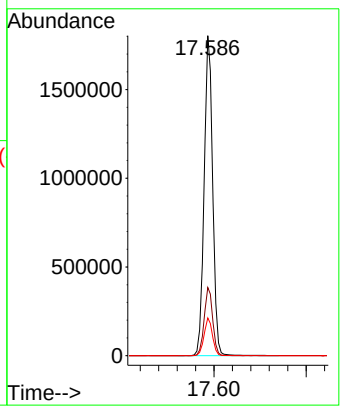


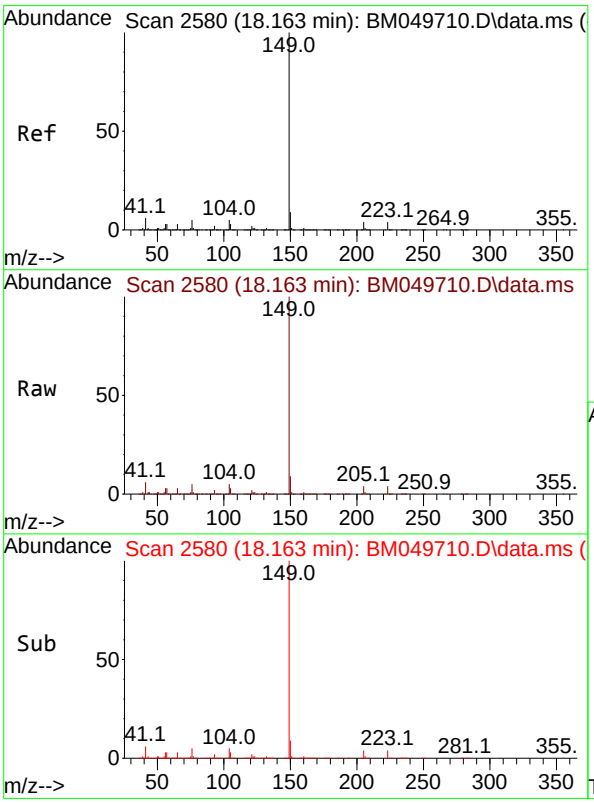
#73
Carbazole
Concen: 40.709 ng
RT: 17.586 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2338547

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	11.8	9.4	14.2

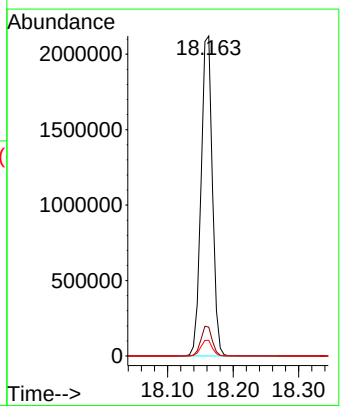


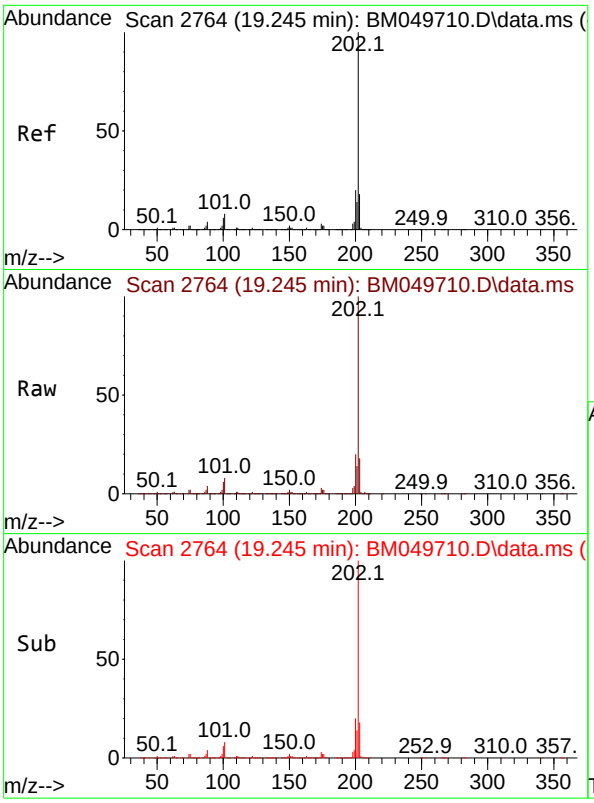


#74
Di-n-butylphthalate
Concen: 40.548 ng
RT: 18.163 min Scan# 2580
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:149 Resp: 2552958

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.9	3.9	5.9



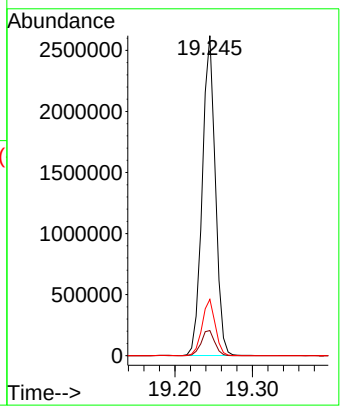


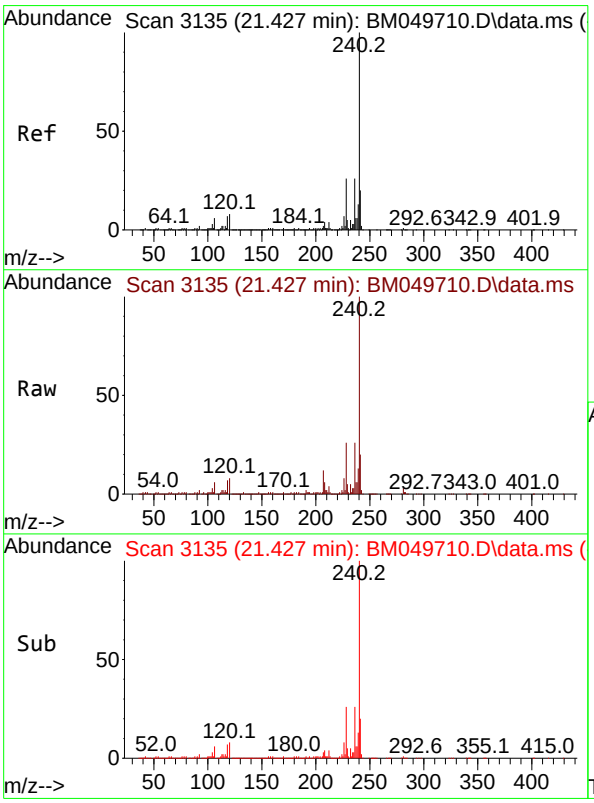
#75
Fluoranthene
Concen: 40.657 ng
RT: 19.245 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3065801

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	27.8
203	17.6	0.0	37.6

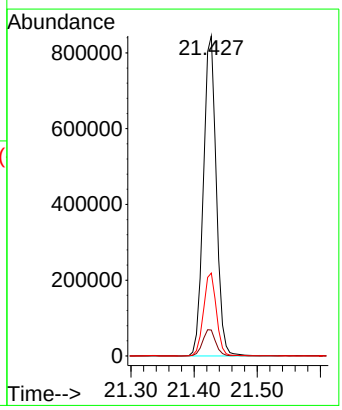


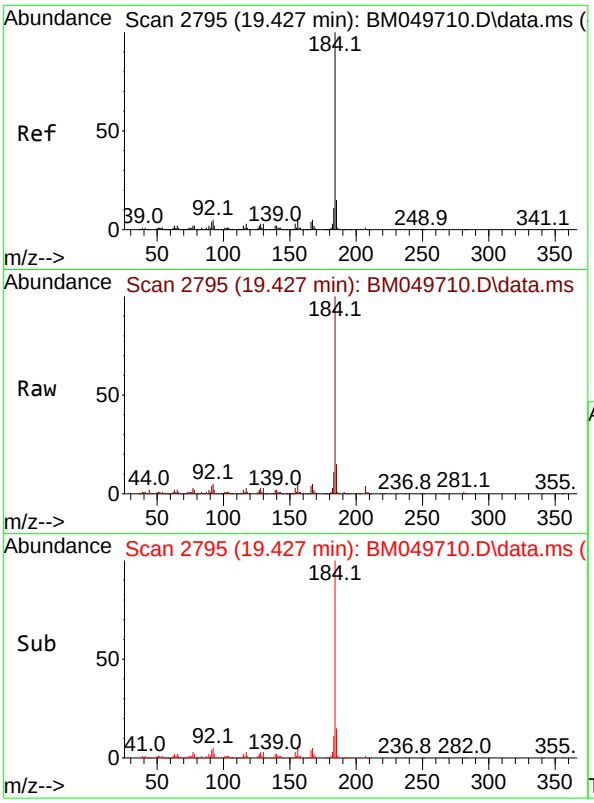


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:240 Resp: 1198251

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.9	20.7	31.1



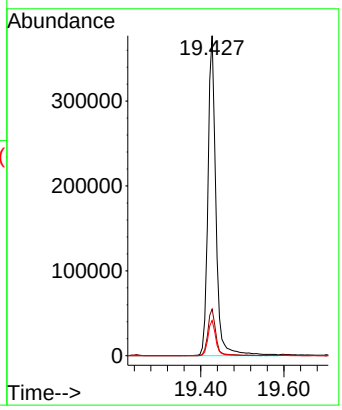


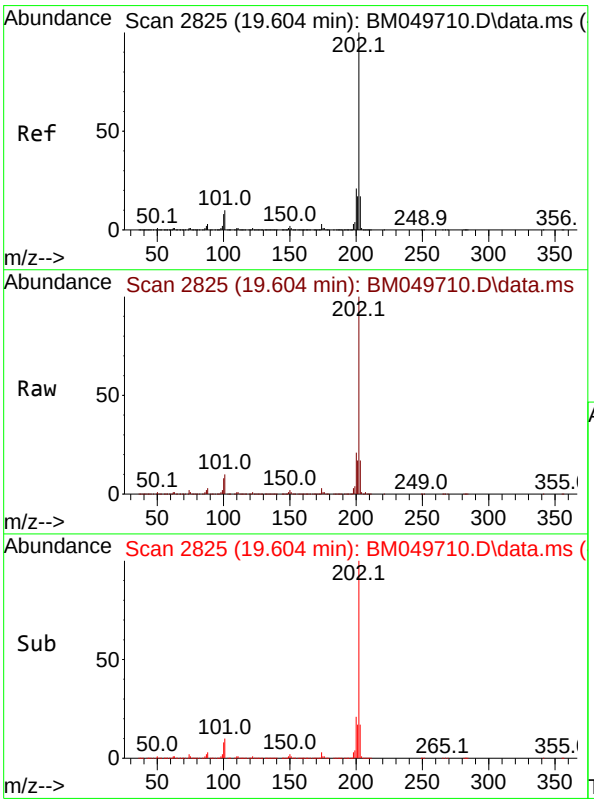
#77
Benzidine
Concen: 35.039 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 504419

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	11.0	8.8	13.2

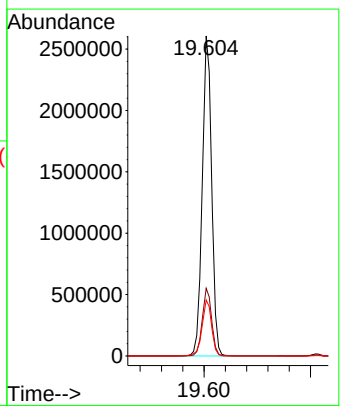


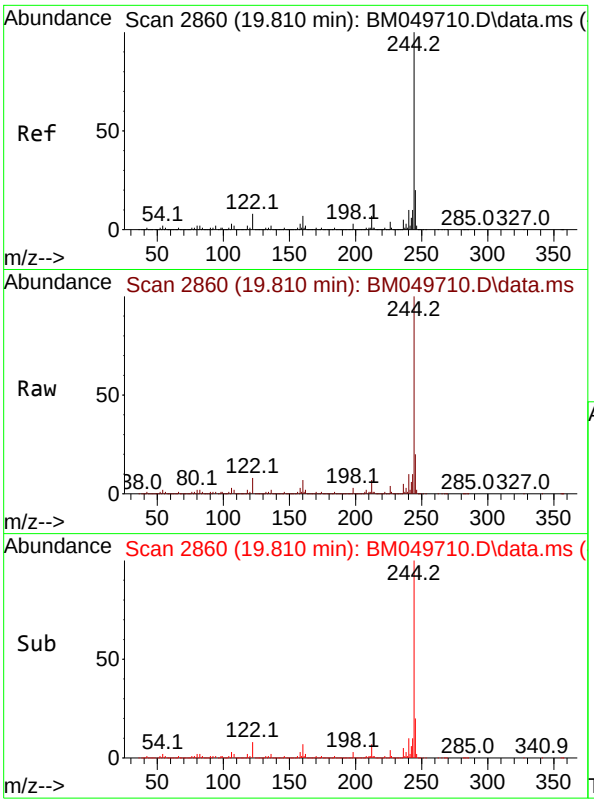


#78
Pyrene
Concen: 38.013 ng
RT: 19.604 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:202 Resp: 3182324

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.5	14.0	21.0



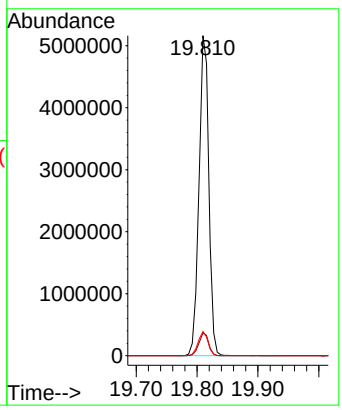


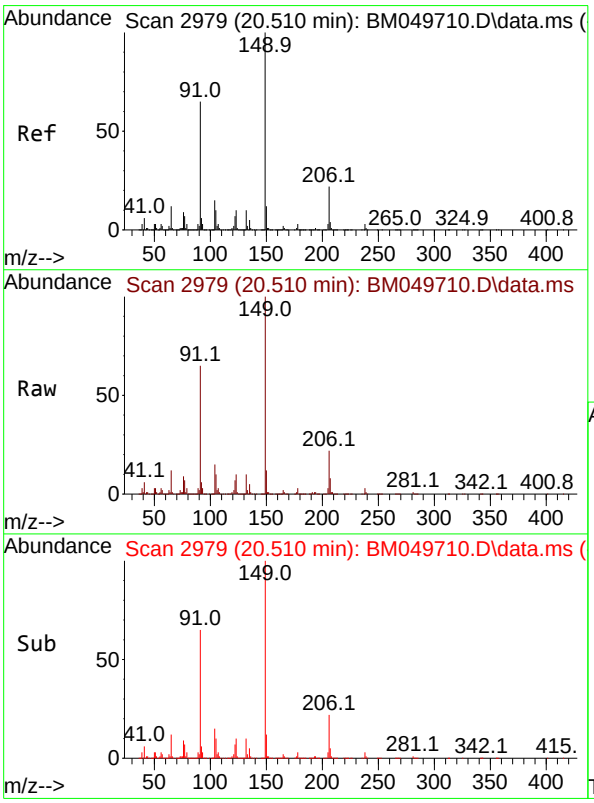
#79
Terphenyl-d14
Concen: 81.384 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 5787036

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	7.5	6.0	9.0

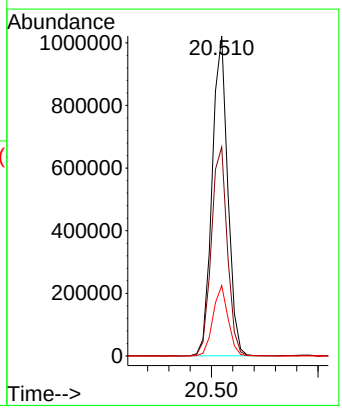


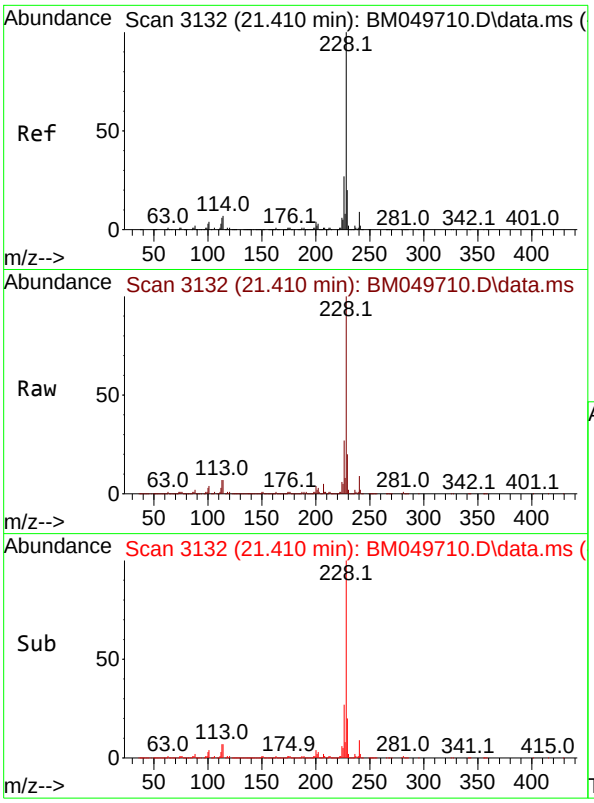


#80
Butylbenzylphthalate
Concen: 39.874 ng
RT: 20.510 min Scan# 2979
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:149 Resp: 1035949

Ion	Ratio	Lower	Upper
149	100		
91	65.3	52.2	78.4
206	22.0	17.6	26.4



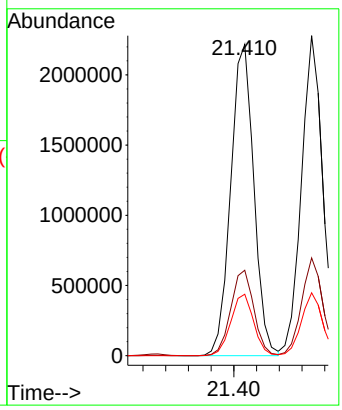


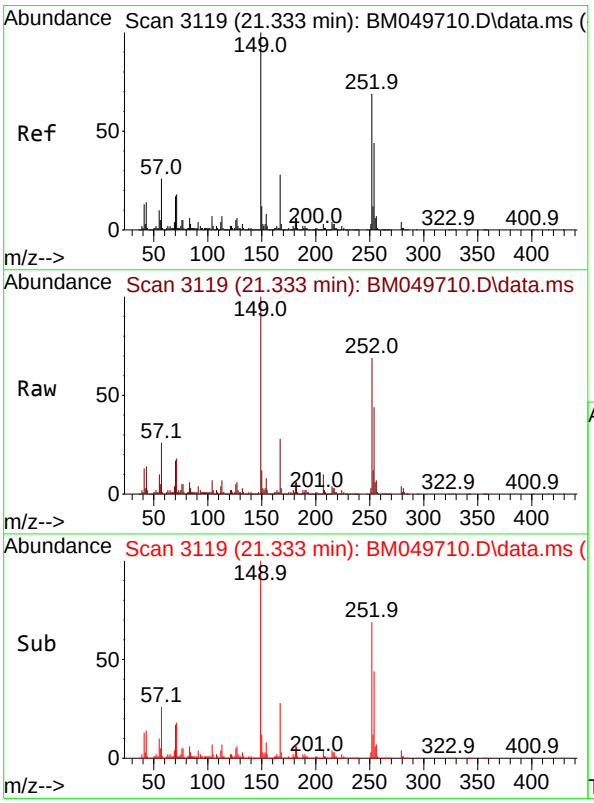
#81
Benzo(a)anthracene
Concen: 39.142 ng
RT: 21.410 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3132766

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	19.8	15.8	23.8

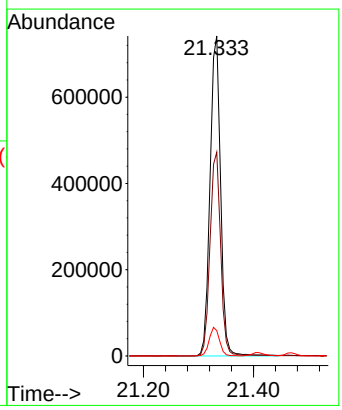


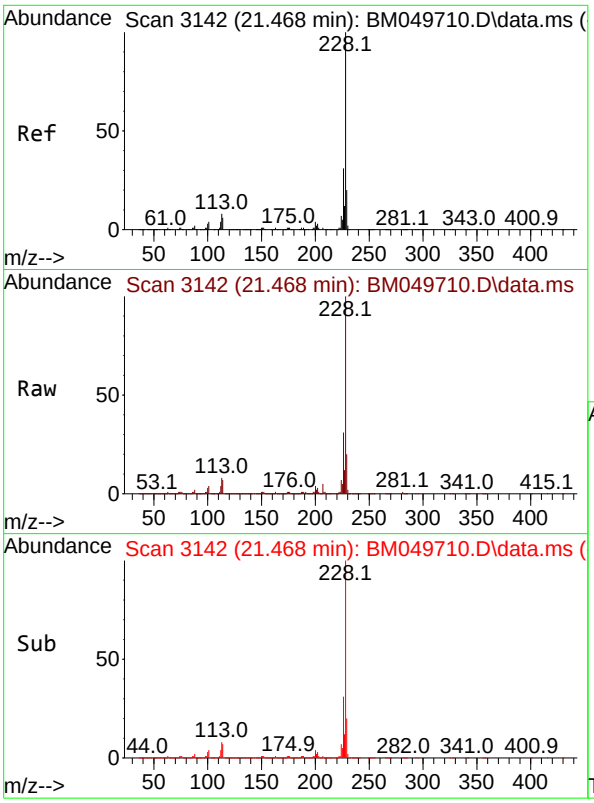


#82
3,3'-Dichlorobenzidine
Concen: 37.814 ng
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:252 Resp: 985353

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.0	76.4
126	7.9	6.3	9.5



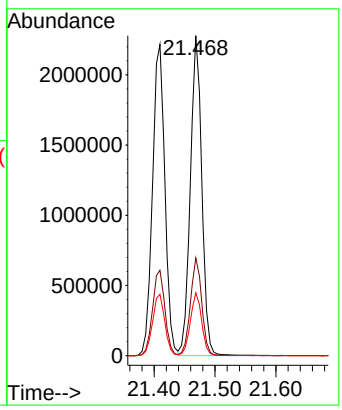


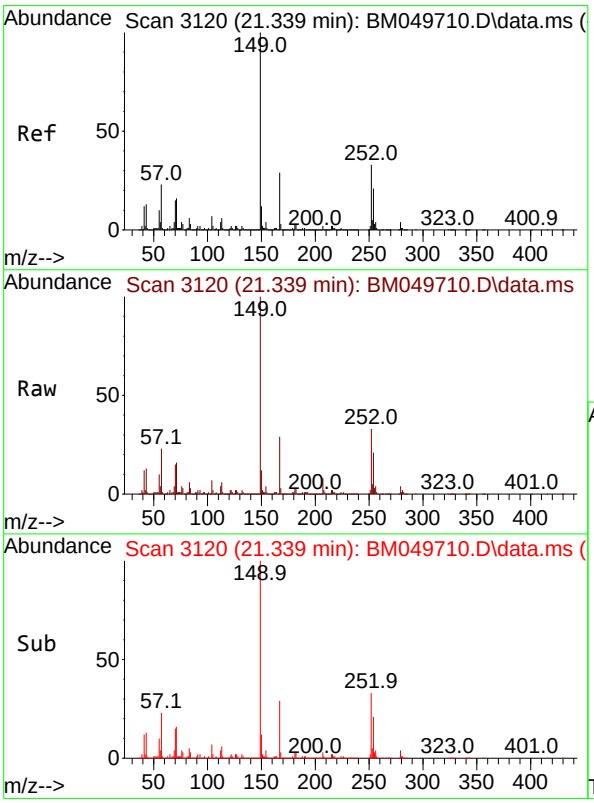
#83
Chrysene
Concen: 39.245 ng
RT: 21.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2977456

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	19.7	15.8	23.6

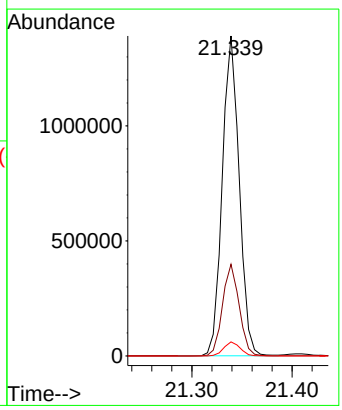


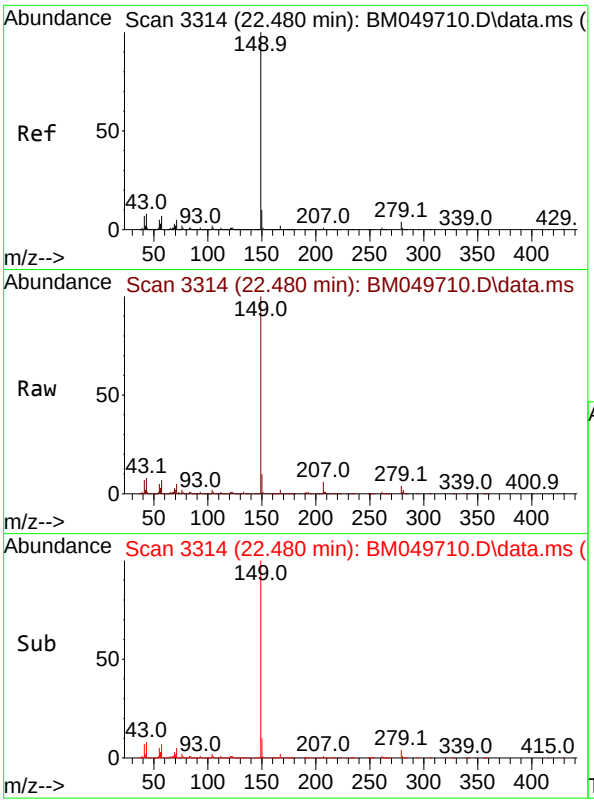


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.133 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:149 Resp: 1624965

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	4.4	3.5	5.3



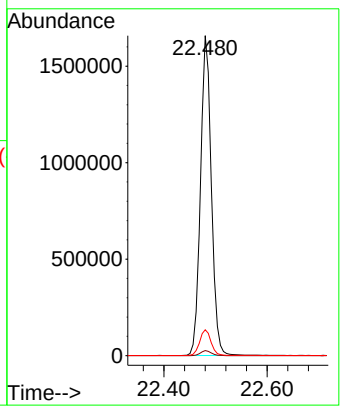


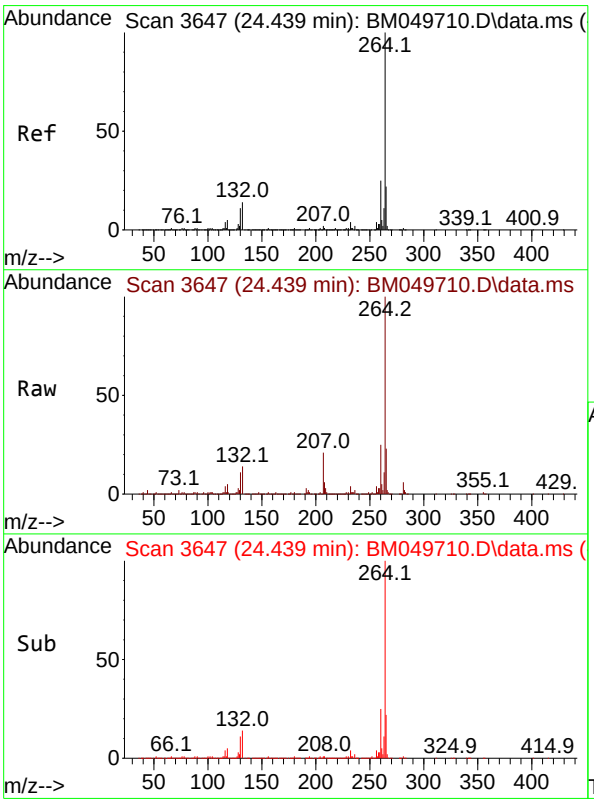
#85
Di-n-octyl phthalate
Concen: 38.441 ng
RT: 22.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 2419176

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.8	10.2

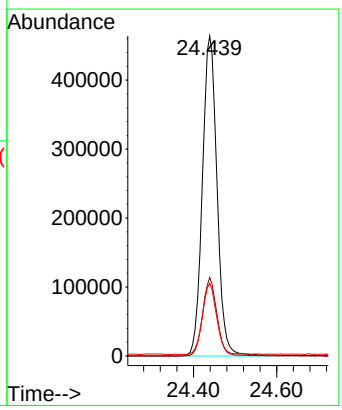


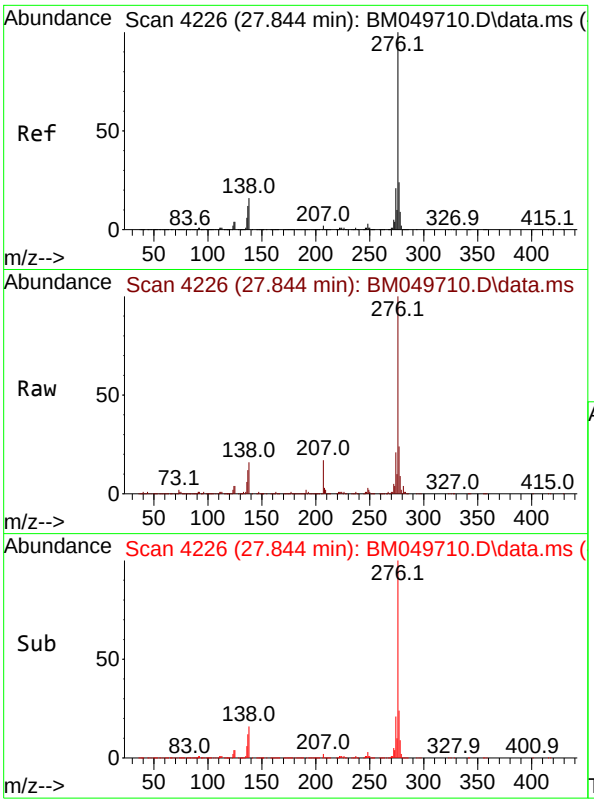


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.439 min Scan# 3647
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:264 Resp: 1136335

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.7	18.2	27.2



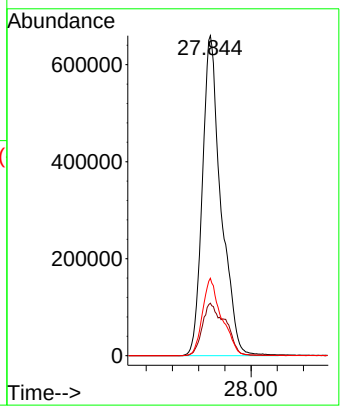


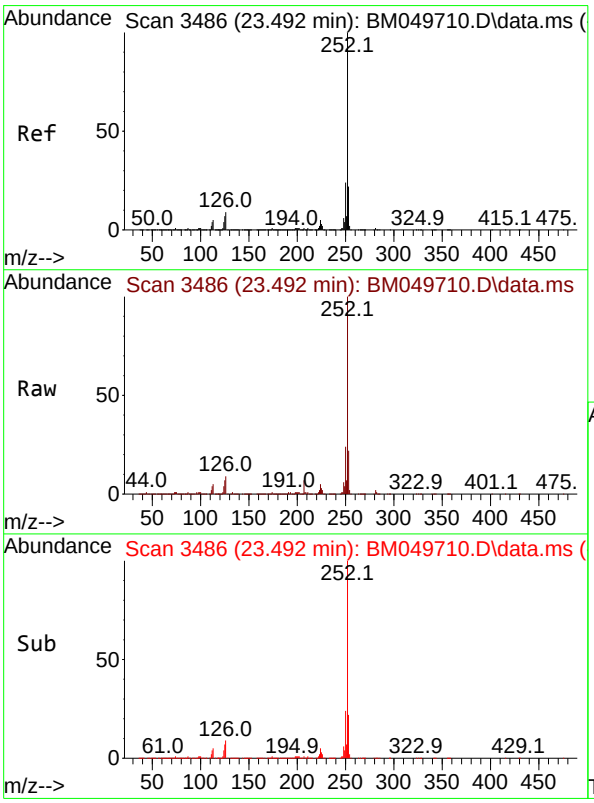
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.769 ng
RT: 27.844 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 3252652

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.3	24.5
277	24.9	19.9	29.9

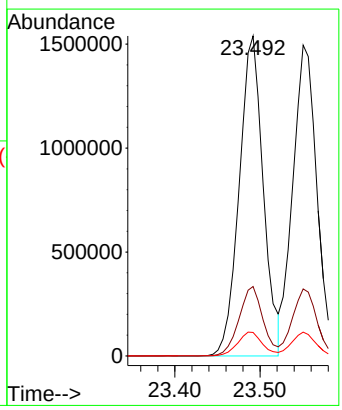


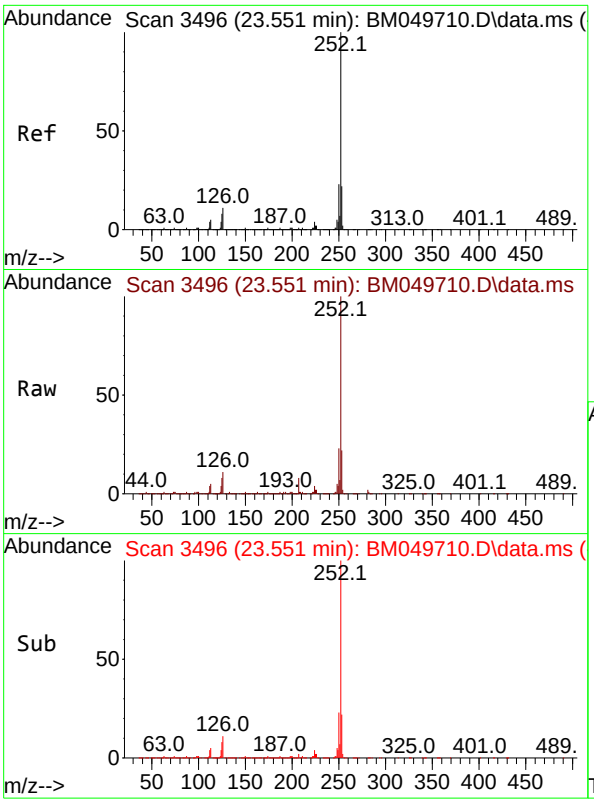


#88
Benzo(b)fluoranthene
Concen: 39.482 ng
RT: 23.492 min Scan# 3486
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:252 Resp: 3021800

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	7.4	5.9	8.9



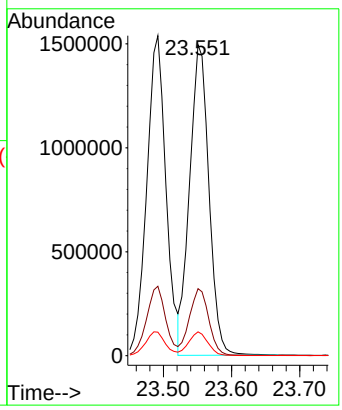


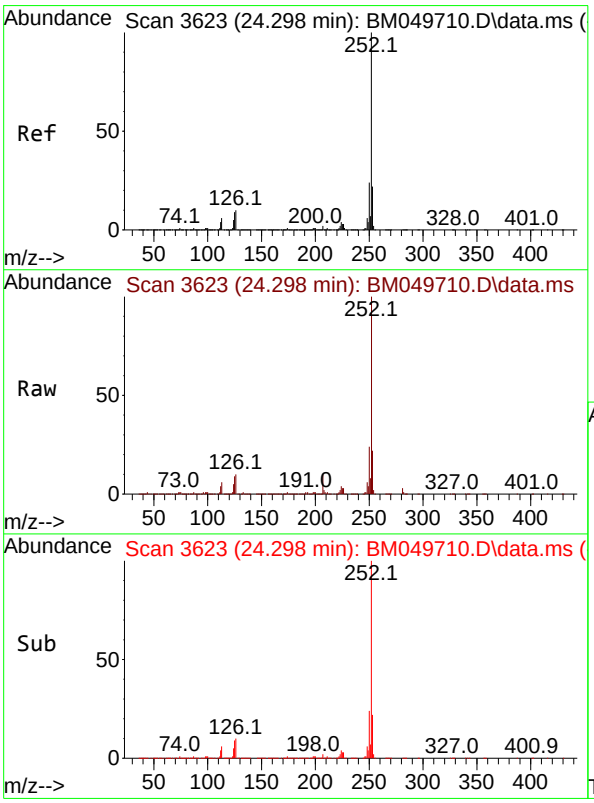
#89
Benzo(k)fluoranthene
Concen: 38.970 ng
RT: 23.551 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 2934888

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	7.7	6.2	9.2

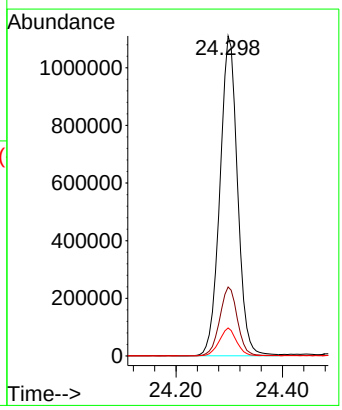


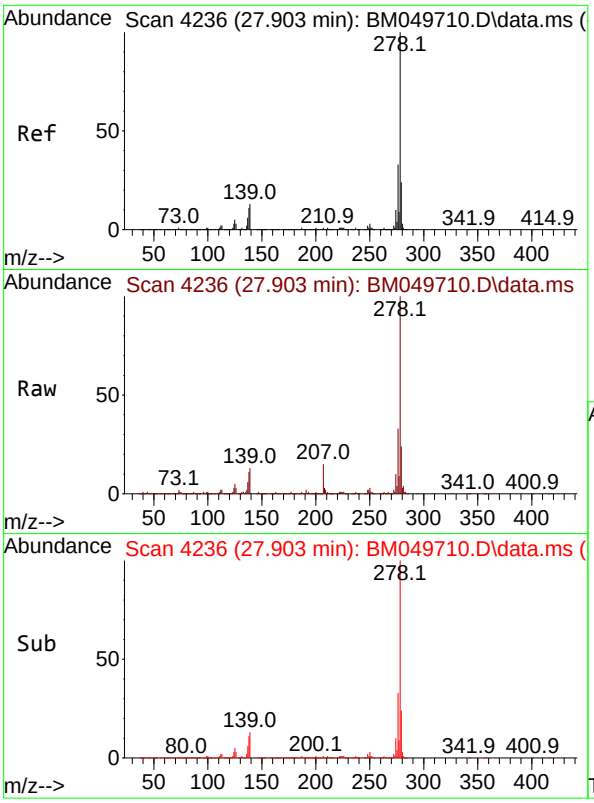


#90
Benzo(a)pyrene
Concen: 39.591 ng
RT: 24.298 min Scan# 3623
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:252 Resp: 2545218

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	8.8	7.0	10.6



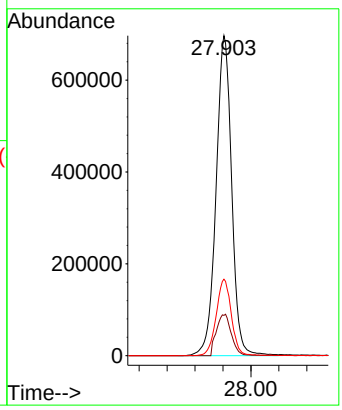


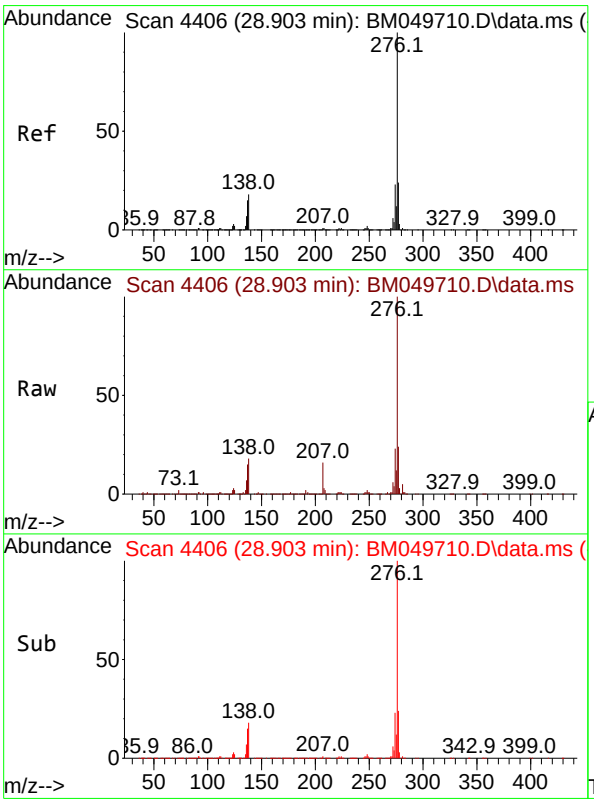
#91
Dibenzo(a,h)anthracene
Concen: 39.633 ng
RT: 27.903 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2700706

Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.1	15.1
279	23.9	19.1	28.7

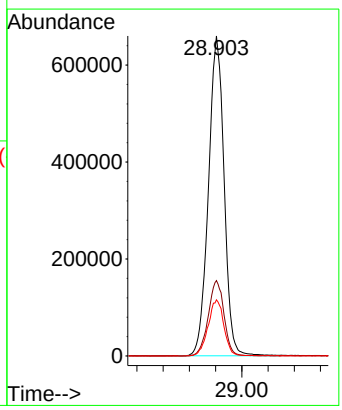




#92
Benzo(g,h,i)perylene
Concen: 39.847 ng
RT: 28.903 min Scan# 4406
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:276 Resp: 2735035

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	17.5	14.0	21.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049711.D
Acq On : 13 Mar 2025 12:19
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 13 14:42:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	343156	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1142867	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	676067	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1230919	20.000	ng		0.00
76) Chrysene-d12	21.427	240	1192033	20.000	ng		0.00
86) Perylene-d12	24.439	264	1121126	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	2126098	104.542	ng		0.00
7) Phenol-d6	6.981	99	2664041	104.381	ng		0.00
23) Nitrobenzene-d5	8.963	82	2304709	103.536	ng		0.00
42) 2,4,6-Tribromophenol	15.933	330	911616	115.476	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	5733658	106.213	ng		0.00
79) Terphenyl-d14	19.809	244	8058803	113.924	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	439502	49.921	ng		99
3) Pyridine	3.687	79	1121278m	49.807	ng		
4) n-Nitrosodimethylamine	3.593	42	501117	50.371	ng		99
6) Aniline	7.140	93	1069294	50.009	ng		99
8) 2-Chlorophenol	7.375	128	1037349	51.508	ng		99
9) Benzaldehyde	6.946	77	587735	46.582	ng		98
10) Phenol	7.010	94	1267748	51.228	ng		97
11) bis(2-Chloroethyl)ether	7.234	93	1010944	50.446	ng		99
12) 1,3-Dichlorobenzene	7.698	146	1254499	51.256	ng		99
13) 1,4-Dichlorobenzene	7.846	146	1252803	50.739	ng		99
14) 1,2-Dichlorobenzene	8.163	146	1198091	51.057	ng		99
15) Benzyl Alcohol	8.046	79	838336	52.343	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.340	45	1173127	49.807	ng		99
17) 2-Methylphenol	8.257	107	763369	51.956	ng		99
18) Hexachloroethane	8.893	117	447960	51.375	ng		94
19) n-Nitroso-di-n-propyla...	8.616	70	773184	52.245	ng		98
20) 3+4-Methylphenols	8.581	107	1014565	51.528	ng		98
22) Acetophenone	8.628	105	1505469	51.088	ng	#	99
24) Nitrobenzene	9.004	77	1071054	51.028	ng		99
25) Isophorone	9.534	82	1769403	51.772	ng		100
26) 2-Nitrophenol	9.716	139	488752	54.709	ng		99
27) 2,4-Dimethylphenol	9.781	122	596007	52.413	ng		98
28) bis(2-Chloroethoxy)met...	10.016	93	1230419	51.115	ng		99
29) 2,4-Dichlorophenol	10.251	162	976969	52.725	ng		97
30) 1,2,4-Trichlorobenzene	10.469	180	1181673	50.972	ng		100
31) Naphthalene	10.651	128	3024467	51.466	ng		99
32) Benzoic acid	9.928	122	511116	52.834	ng		99
33) 4-Chloroaniline	10.763	127	1019020	50.809	ng		99
34) Hexachlorobutadiene	10.945	225	745756	52.109	ng		99
35) Caprolactam	11.545	113	226631	52.681	ng		96
36) 4-Chloro-3-methylphenol	11.892	107	825613	51.921	ng		99
37) 2-Methylnaphthalene	12.269	142	2099664	51.096	ng		99
38) 1-Methylnaphthalene	12.486	142	2032245	51.260	ng		99
40) 1,2,4,5-Tetrachloroben...	12.633	216	1320335	53.168	ng		99
41) Hexachlorocyclopentadiene	12.622	237	506457	55.050	ng		96
43) 2,4,6-Trichlorophenol	12.881	196	757946	54.496	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049711.D
Acq On : 13 Mar 2025 12:19
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:42:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	807292	53.190	ng	99
46) 1,1'-Biphenyl	13.280	154	2715061	52.107	ng	100
47) 2-Chloronaphthalene	13.322	162	2103079	51.855	ng	99
48) 2-Nitroaniline	13.522	65	496484	54.532	ng	98
49) Acenaphthylene	14.169	152	2966785	52.334	ng	100
50) Dimethylphthalate	13.904	163	2369244	50.900	ng	100
51) 2,6-Dinitrotoluene	14.016	165	487346	52.253	ng	98
52) Acenaphthene	14.510	154	1935920	52.126	ng	100
53) 3-Nitroaniline	14.345	138	468558	52.794	ng	98
54) 2,4-Dinitrophenol	14.551	184	245877	49.851	ng	97
55) Dibenzofuran	14.845	168	3181581	51.347	ng	99
56) 4-Nitrophenol	14.663	139	392805	50.845	ng	99
57) 2,4-Dinitrotoluene	14.804	165	640402	53.361	ng	99
58) Fluorene	15.492	166	2644175	52.414	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.074	232	665660	52.395	ng	99
60) Diethylphthalate	15.274	149	2261890	51.595	ng	99
61) 4-Chlorophenyl-phenyle...	15.492	204	1471150	53.403	ng	99
62) 4-Nitroaniline	15.510	138	502155	47.589	ng	99
63) Azobenzene	15.780	77	2173983	51.918	ng	99
65) 4,6-Dinitro-2-methylph...	15.569	198	336162	49.773	ng	96
66) n-Nitrosodiphenylamine	15.704	169	1980682	53.109	ng	98
67) 4-Bromophenyl-phenylether	16.380	248	765956	53.896	ng	99
68) Hexachlorobenzene	16.498	284	842630	52.726	ng	99
69) Atrazine	16.651	200	302033	36.748	ng	99
70) Pentachlorophenol	16.839	266	524923	52.267	ng	98
71) Phenanthrene	17.227	178	3564661	52.153	ng	100
72) Anthracene	17.321	178	3519355	53.168	ng	100
73) Carbazole	17.586	167	3125864	52.143	ng	100
74) Di-n-butylphthalate	18.163	149	3583163	54.535	ng	99
75) Fluoranthene	19.245	202	4164429	52.921	ng	100
77) Benzidine	19.427	184	815052	56.913	ng	99
78) Pyrene	19.604	202	4375693	52.541	ng	99
80) Butylbenzylphthalate	20.509	149	1436857	55.594	ng	99
81) Benzo(a)anthracene	21.409	228	4214500	52.933	ng	100
82) 3,3'-Dichlorobenzidine	21.333	252	1413811	54.540	ng	100
83) Chrysene	21.468	228	3970998	52.613	ng	99
84) Bis(2-ethylhexyl)phtha...	21.339	149	2296803	57.022	ng	99
85) Di-n-octyl phthalate	22.480	149	3414666	54.543	ng	100
87) Indeno(1,2,3-cd)pyrene	27.850	276	4391909	54.427	ng	100
88) Benzo(b)fluoranthene	23.492	252	4015121	53.172	ng	99
89) Benzo(k)fluoranthene	23.556	252	3946464	53.113	ng	99
90) Benzo(a)pyrene	24.303	252	3392495	53.487	ng	99
91) Dibenzo(a,h)anthracene	27.909	278	3641852	54.170	ng	99
92) Benzo(g,h,i)perylene	28.915	276	3633253	53.651	ng	99

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

ICAL Form

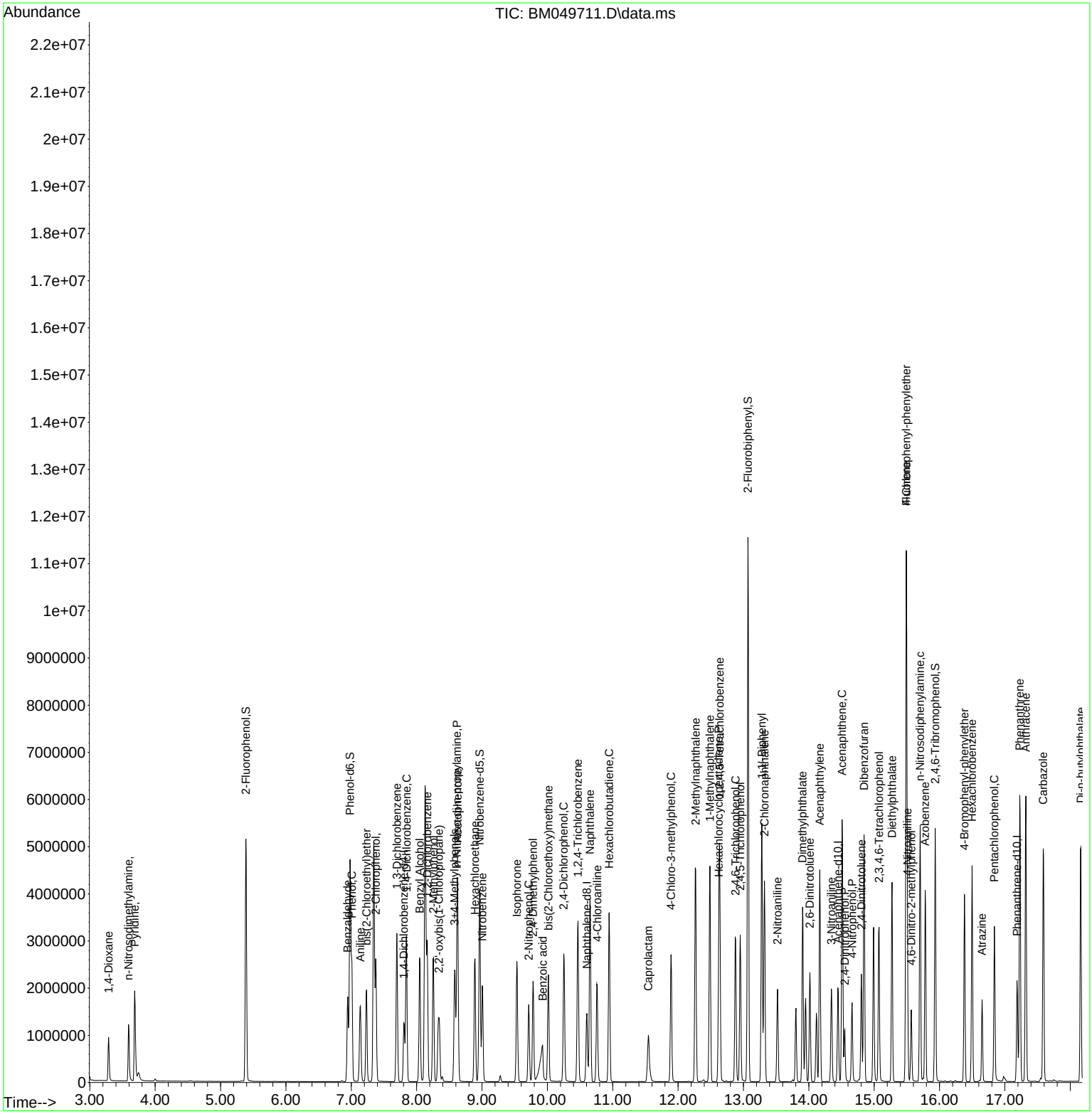
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049711.D
Acq On : 13 Mar 2025 12:19
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 13 14:42:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



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Sample : SSTDICC050
Misc :
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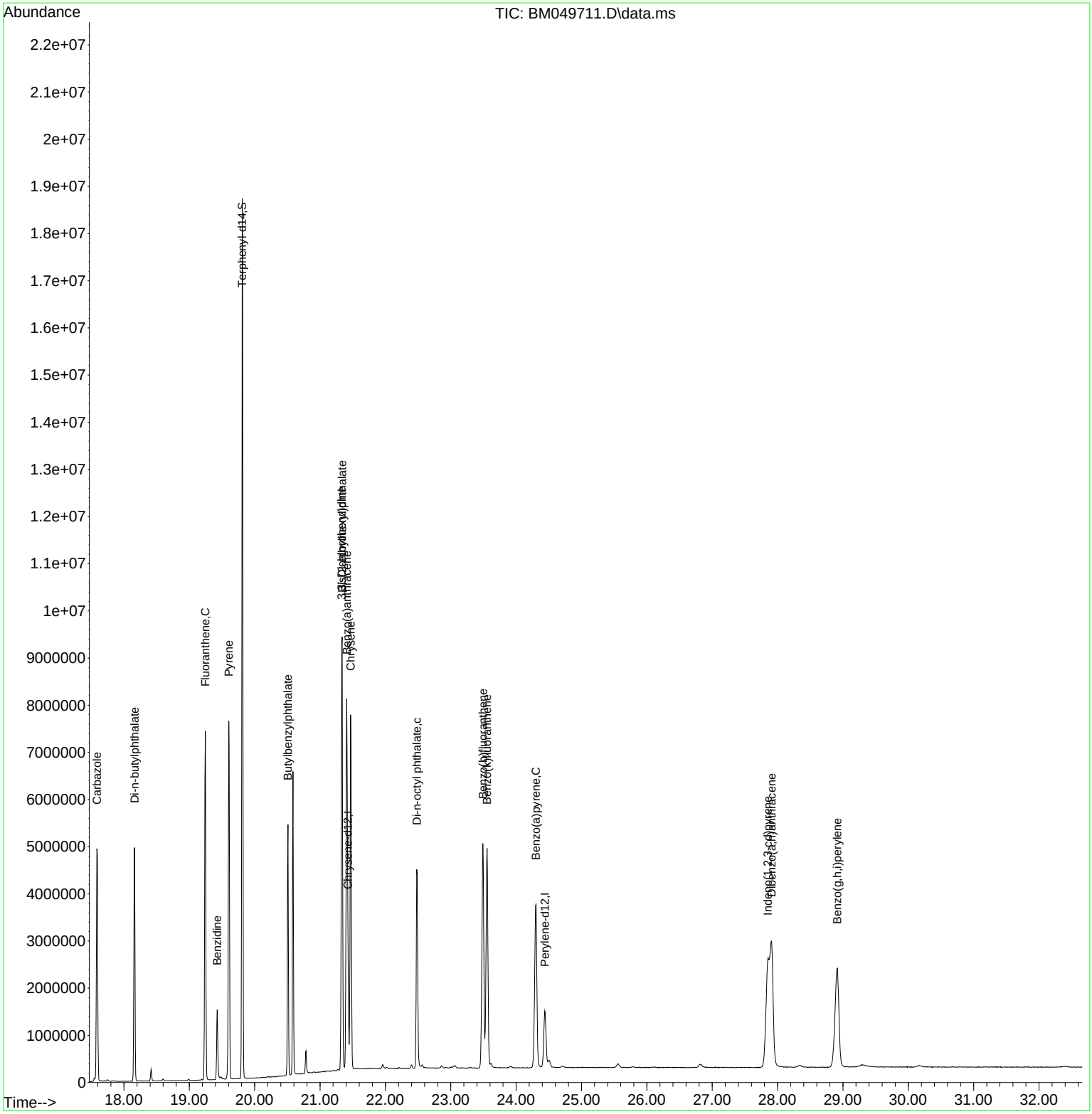
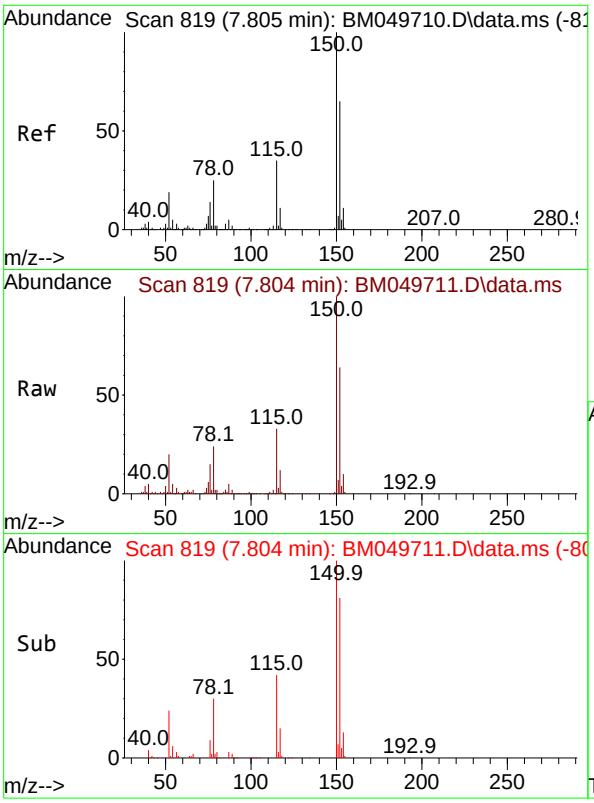
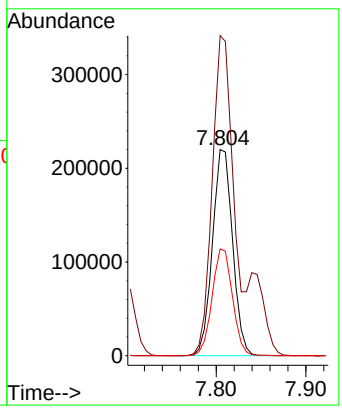




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.001 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:152 Resp: 34315

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.8	185.8
115	51.8	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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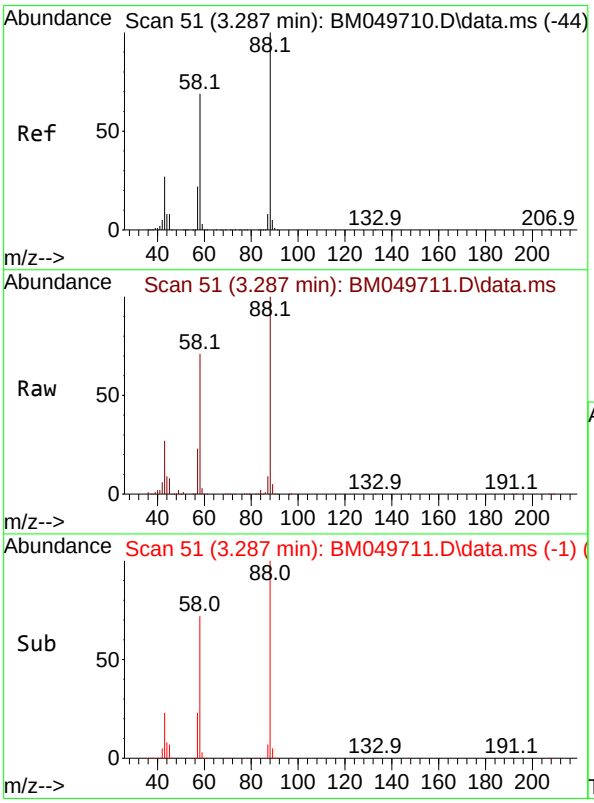
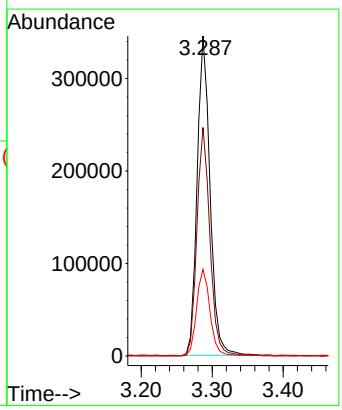
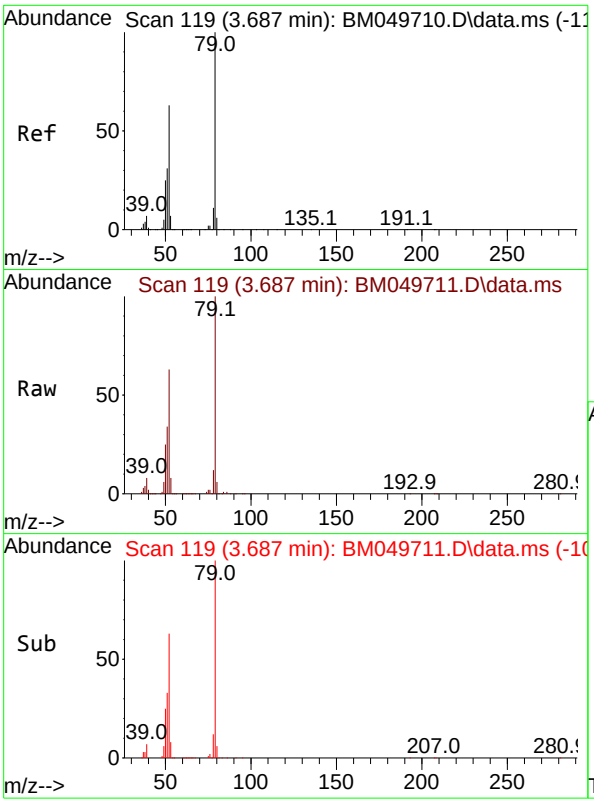


#2
1,4-Dioxane
Concen: 49.921 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 88 Resp: 439502

Ion	Ratio	Lower	Upper
88	100		
58	71.8	56.7	85.1
43	27.9	22.6	34.0

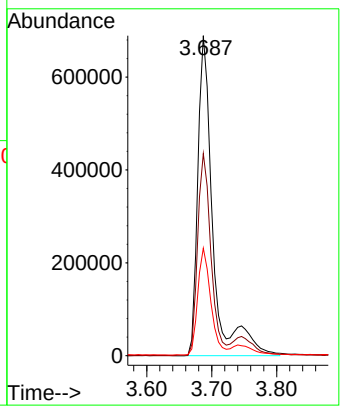




#3
Pyridine
Concen: 49.807 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 79 Resp: 112127

Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.1	75.1
51	33.6	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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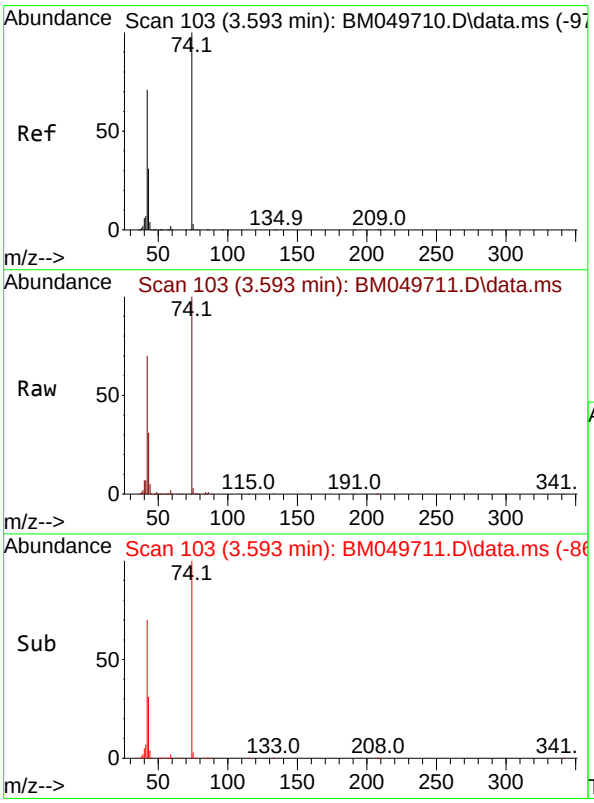
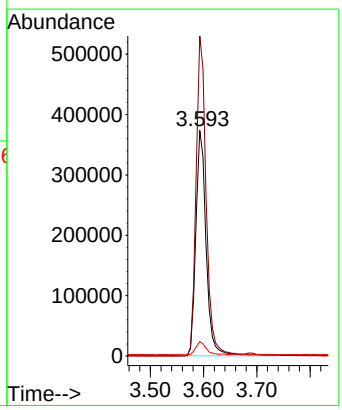
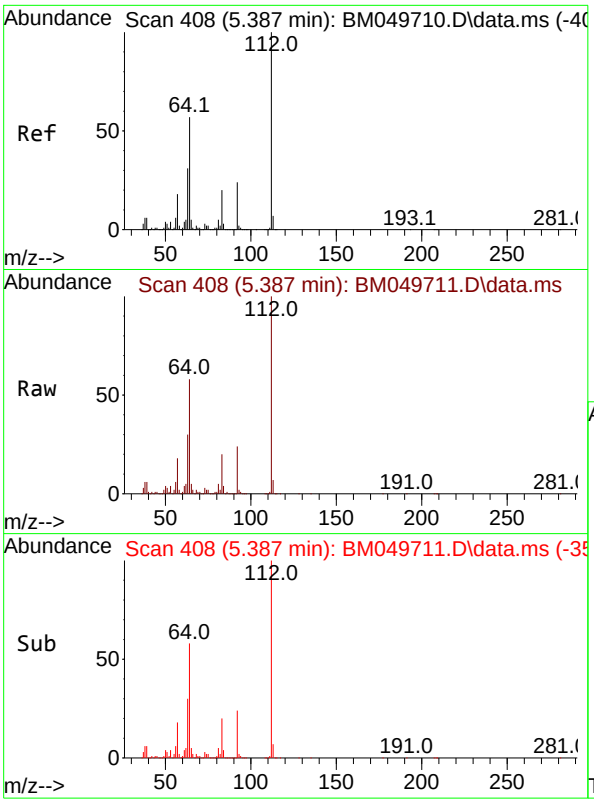


#4
n-Nitrosodimethylamine
Concen: 50.371 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 42 Resp: 501117

Ion	Ratio	Lower	Upper
42	100		
74	141.9	112.6	168.8
44	6.4	5.0	7.6





#5
2-Fluorophenol
Concen: 104.542 ng
RT: 5.387 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:112 Resp: 212609

Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.3	67.9
63	30.2	24.4	36.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
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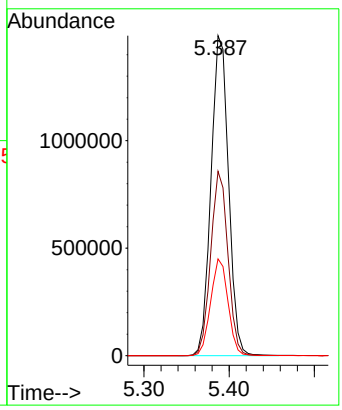
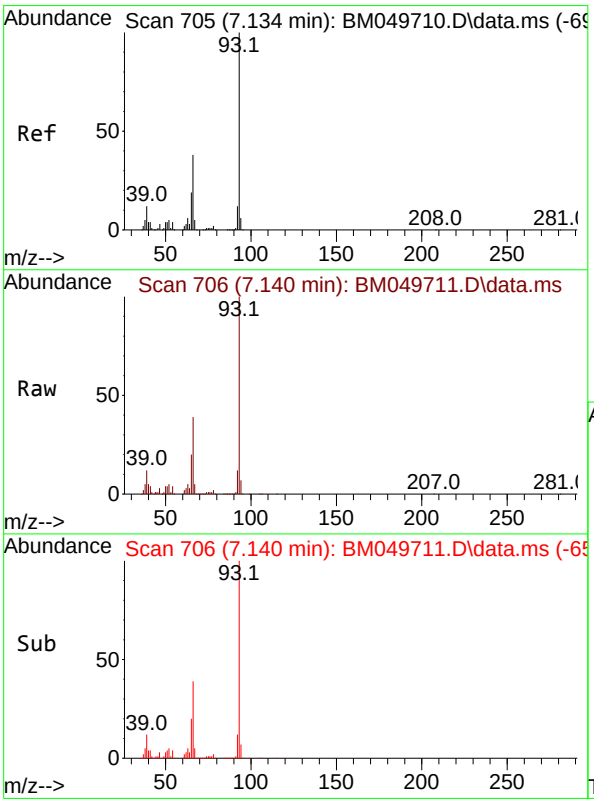
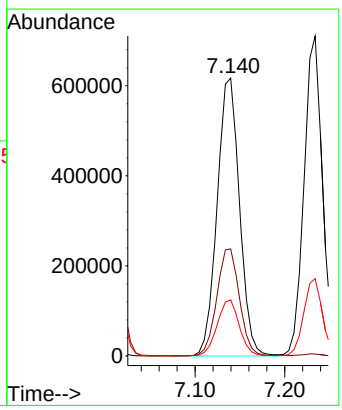


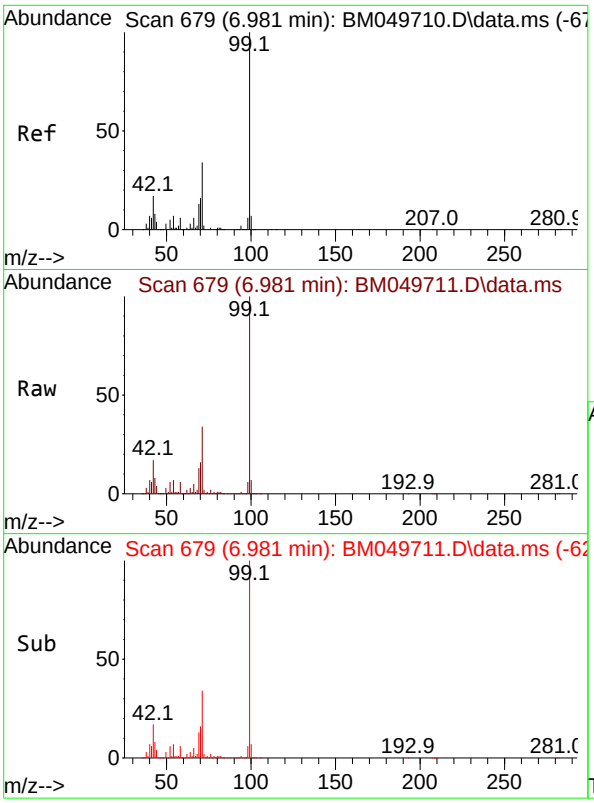


#6
Aniline
Concen: 50.009 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 93 Resp: 1069294

Ion	Ratio	Lower	Upper
93	100		
66	38.5	30.6	46.0
65	20.2	15.4	23.2

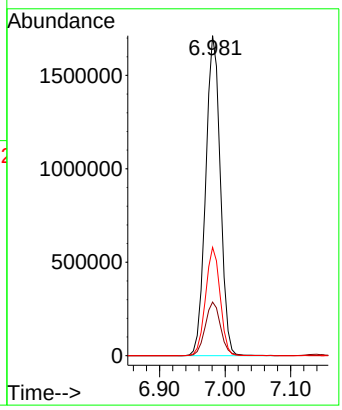




#7
Phenol-d6
Concen: 104.381 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 99 Resp: 266404

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.6	20.4
71	33.9	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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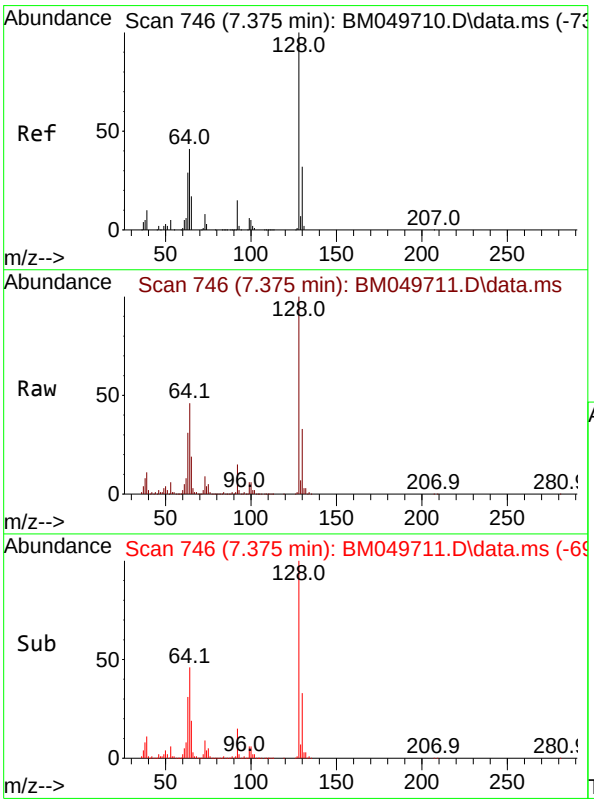
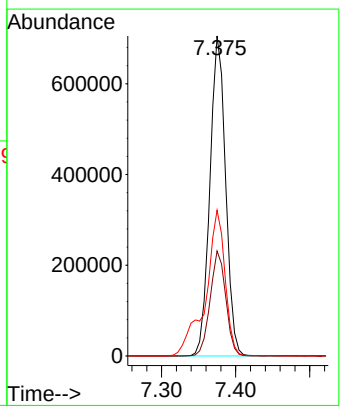
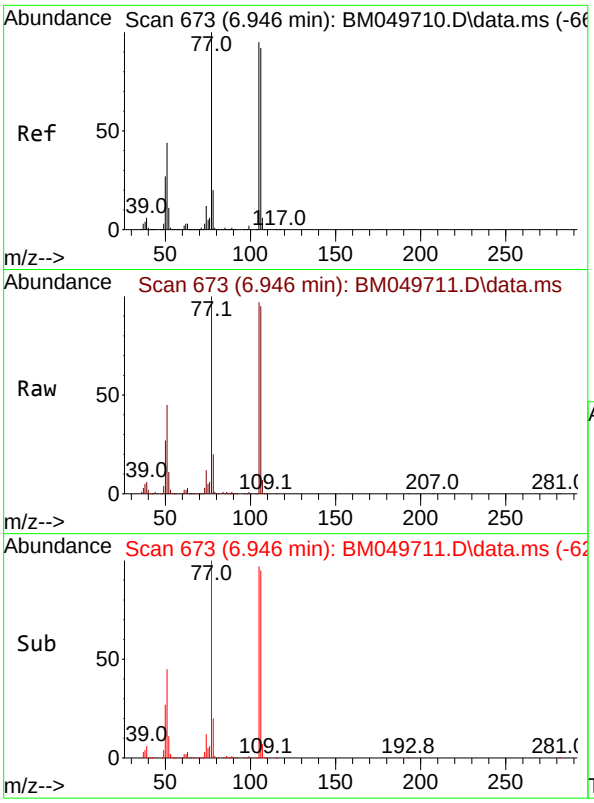


#8
2-Chlorophenol
Concen: 51.508 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:128 Resp: 1037349

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	45.5	24.9	64.9

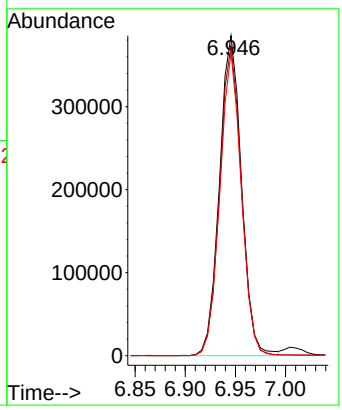




#9
Benzaldehyde
Concen: 46.582 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 77 Resp: 58773

Ion	Ratio	Lower	Upper
77	100		
105	96.9	75.0	115.0
106	94.7	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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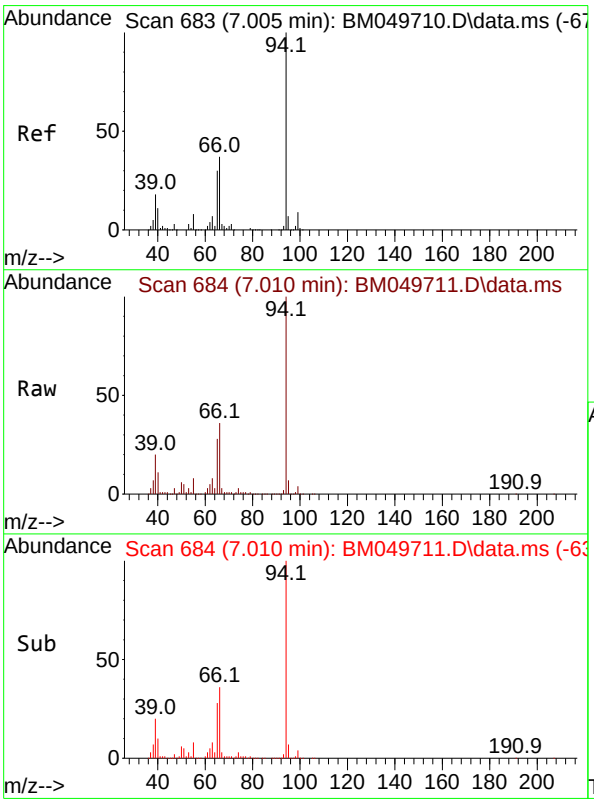
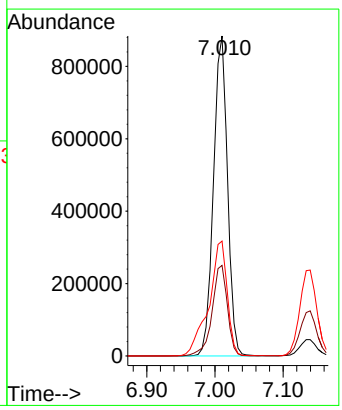
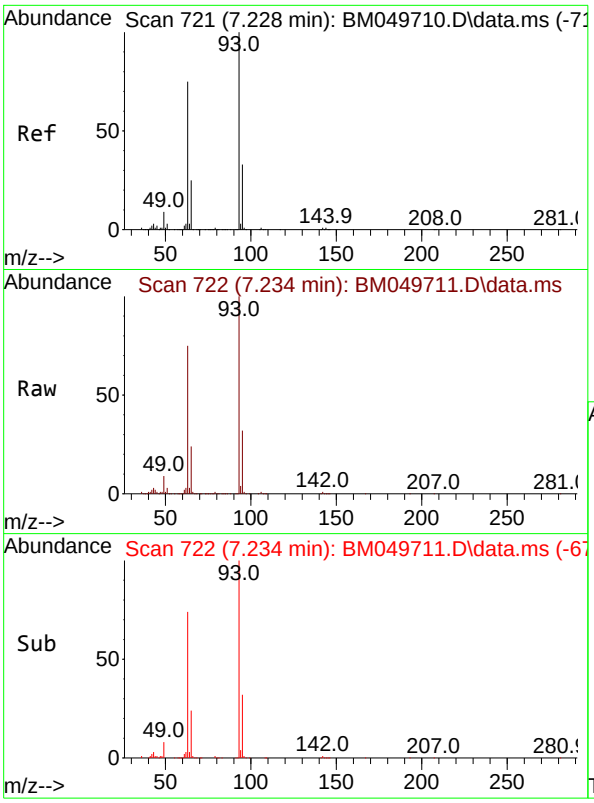


#10
Phenol
Concen: 51.228 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 94 Resp: 1267748

Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.4	50.4
66	35.9	17.1	57.1

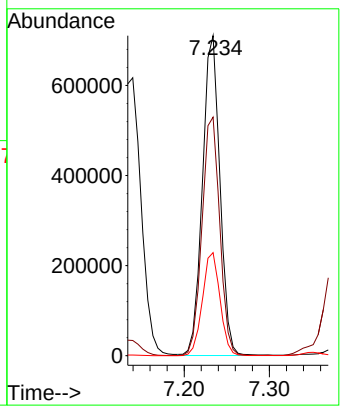




#11
bis(2-Chloroethyl)ether
Concen: 50.446 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 93 Resp: 101094

Ion	Ratio	Lower	Upper
93	100		
63	74.5	54.8	94.8
95	32.2	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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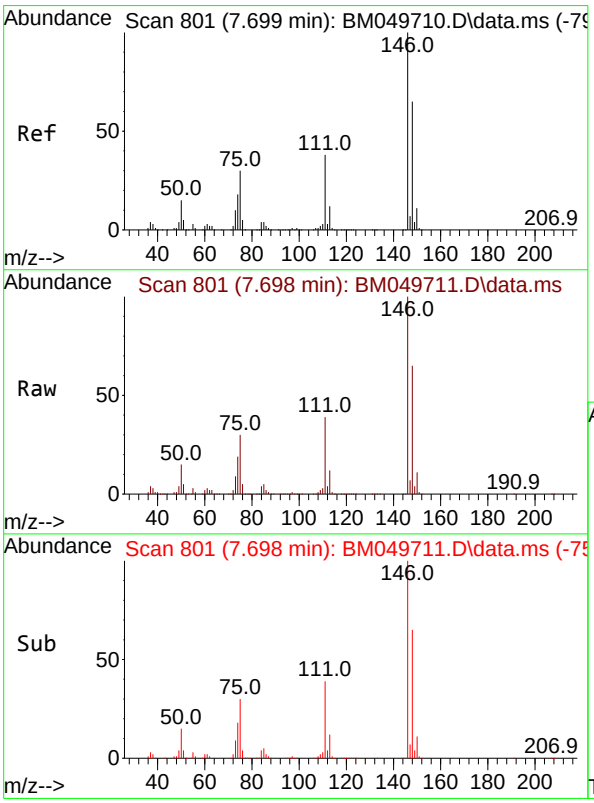
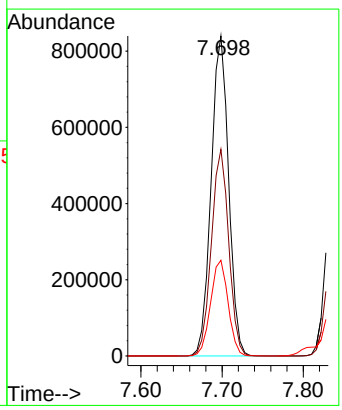
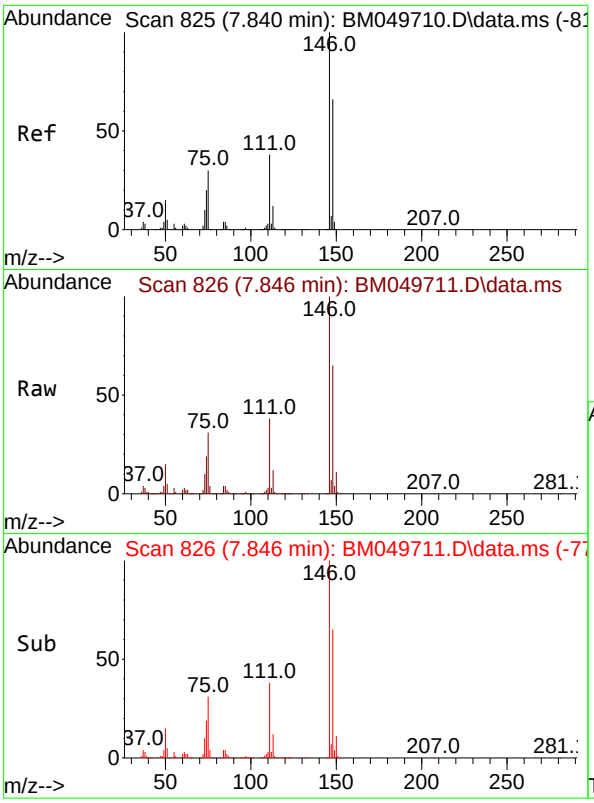


#12
1,3-Dichlorobenzene
Concen: 51.256 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:146 Resp: 1254499

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.3	78.5
75	29.9	24.2	36.2

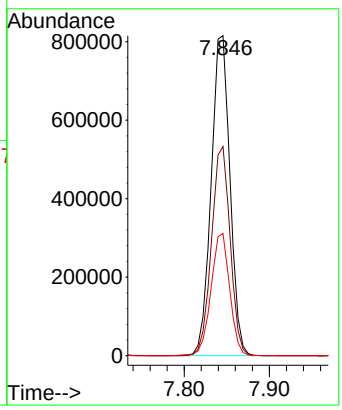




#13
1,4-Dichlorobenzene
Concen: 50.739 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:146 Resp: 125280

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.6	79.0
111	38.2	30.8	46.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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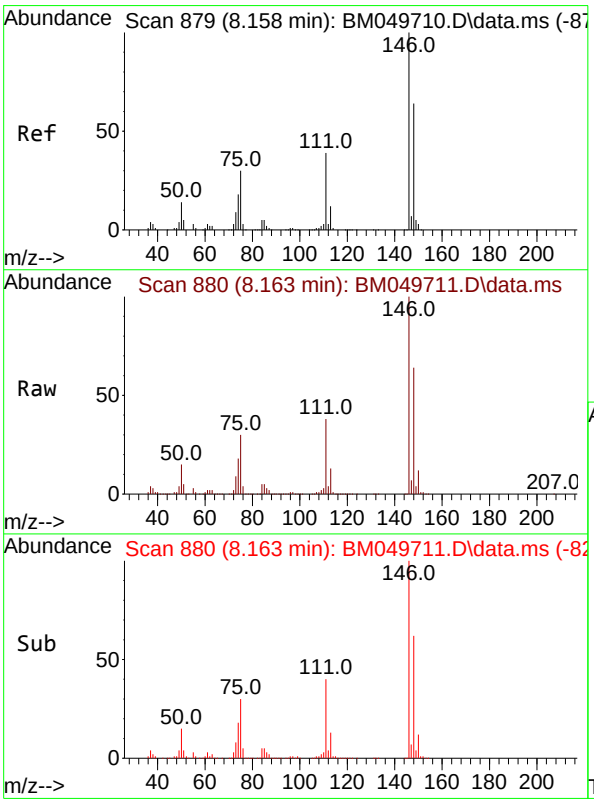
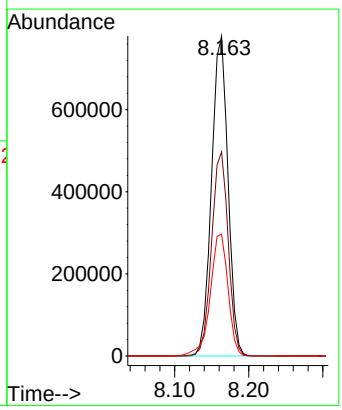
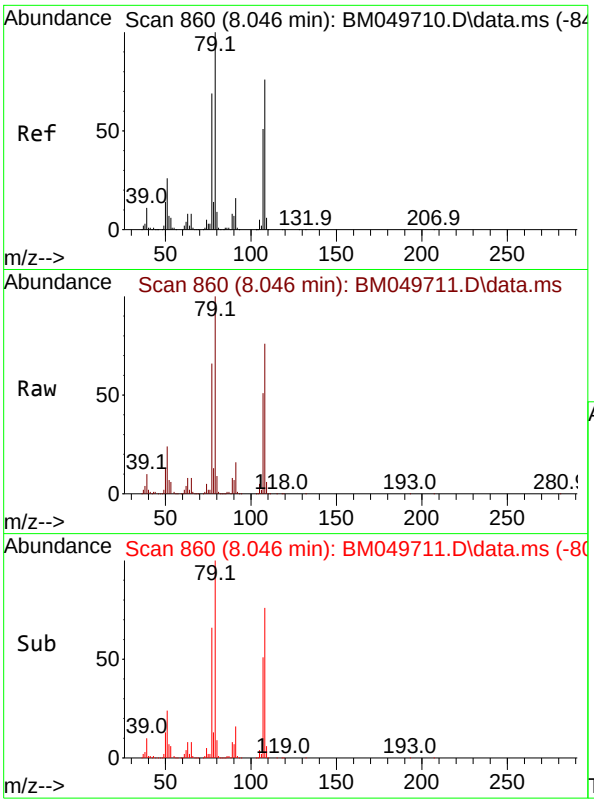


#14
1,2-Dichlorobenzene
Concen: 51.057 ng
RT: 8.163 min Scan# 880
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:146 Resp: 1198091

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.9	76.3
111	38.1	31.0	46.6

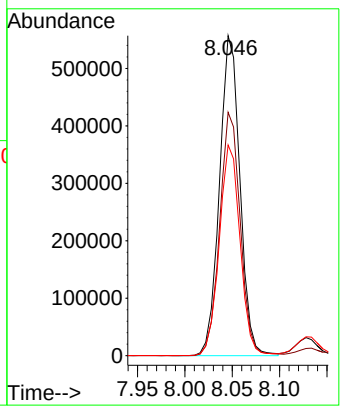




#15
Benzyl Alcohol
Concen: 52.343 ng
RT: 8.046 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 79 Resp: 83833

Ion	Ratio	Lower	Upper
79	100		
108	76.1	60.7	91.1
77	65.8	55.4	83.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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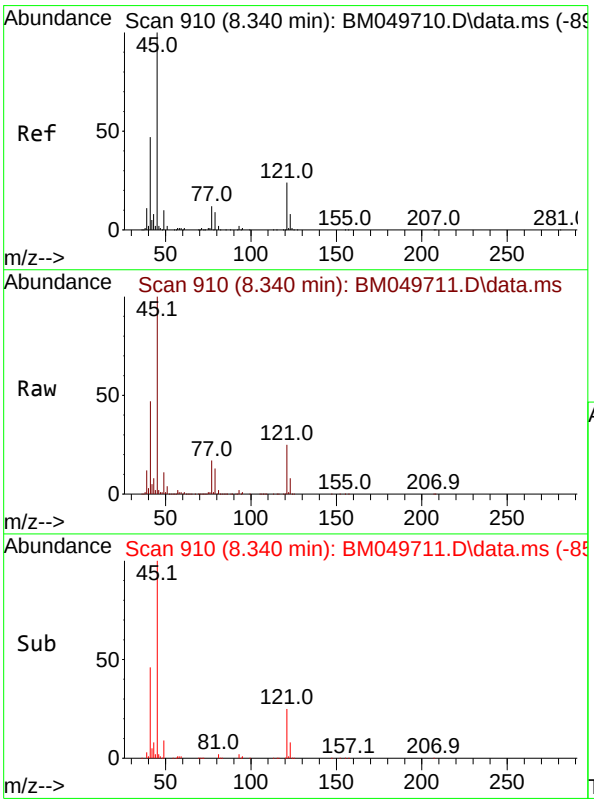
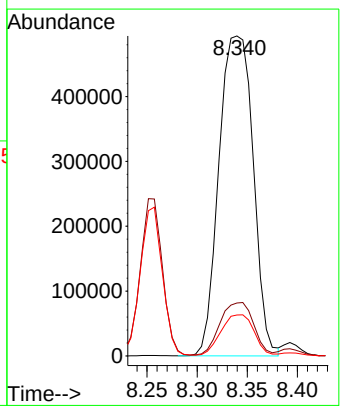
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

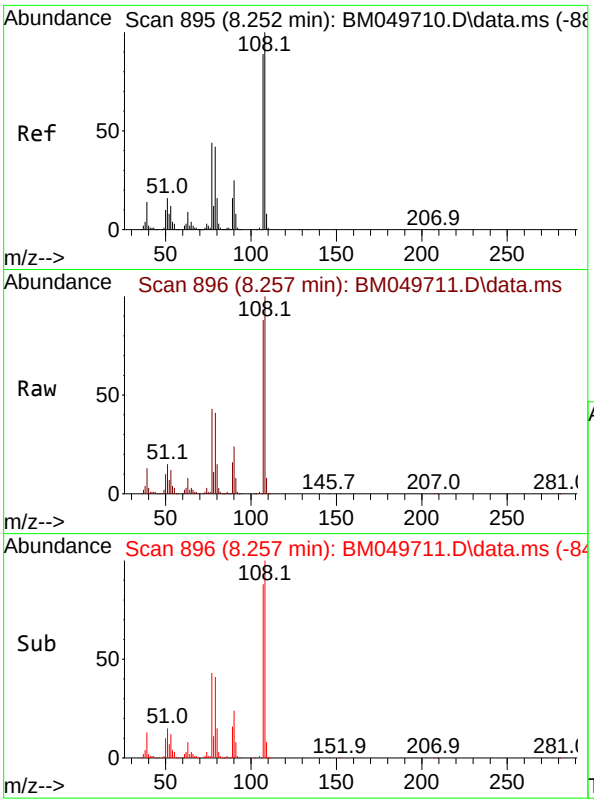


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.807 ng
RT: 8.340 min Scan# 910
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 45 Resp: 1173127

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.1
79	12.8	0.0	32.8

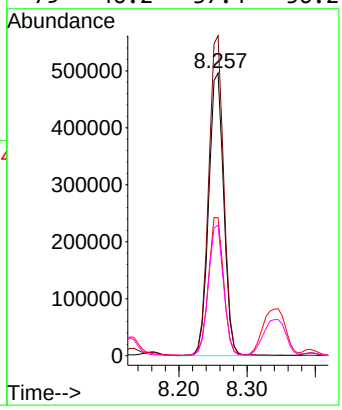




#17
2-Methylphenol
Concen: 51.956 ng
RT: 8.257 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:107 Resp: 76336

Ion	Ratio	Lower	Upper
107	100		
108	113.2	89.6	134.4
77	48.8	39.8	59.6
79	46.2	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
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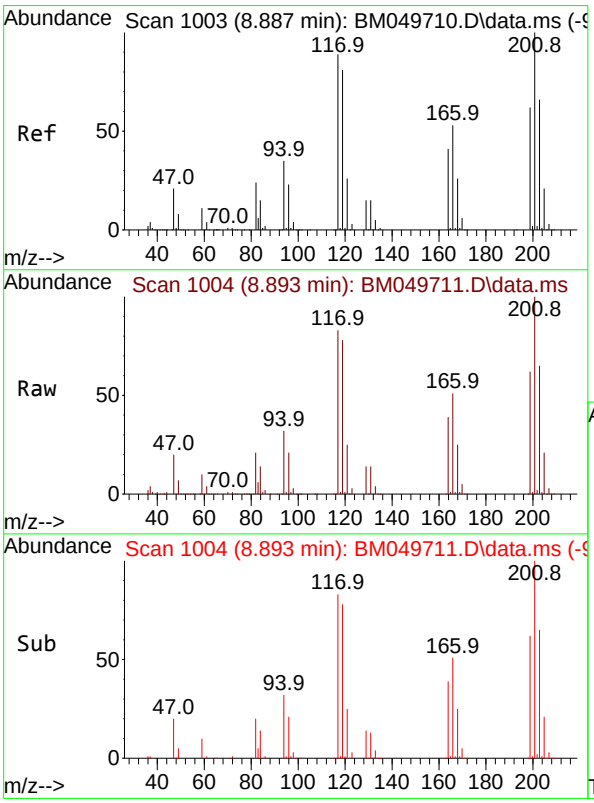
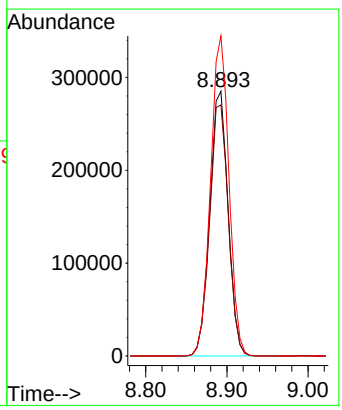
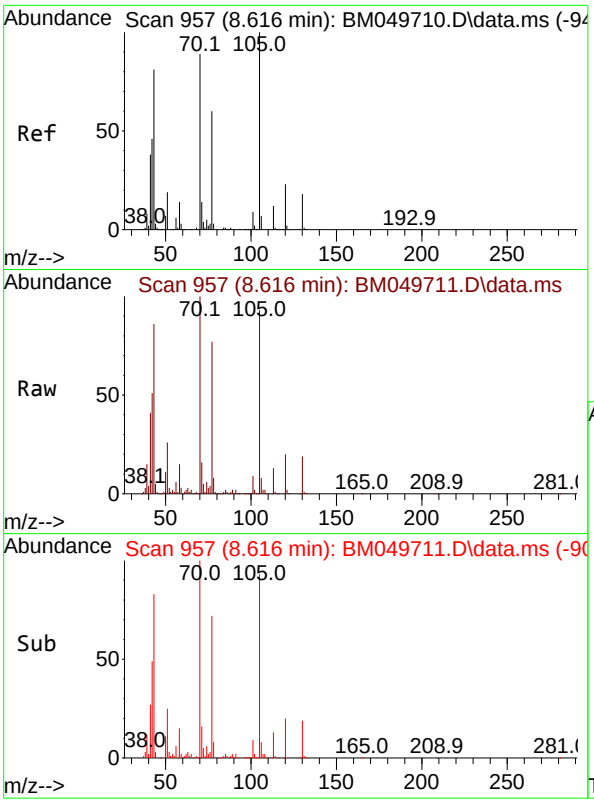


#18
Hexachloroethane
Concen: 51.375 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:117 Resp: 447960

Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.1	109.7
201	121.0	90.0	135.0

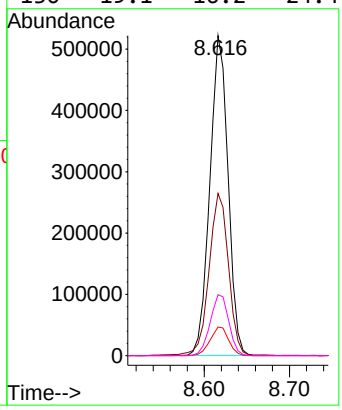




#19
n-Nitroso-di-n-propylamine
Concen: 52.245 ng
RT: 8.616 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 70 Resp: 77318

Ion	Ratio	Lower	Upper
70	100		
42	50.7	41.8	62.6
101	9.0	7.7	11.5
130	19.1	16.2	24.4



Instrument :
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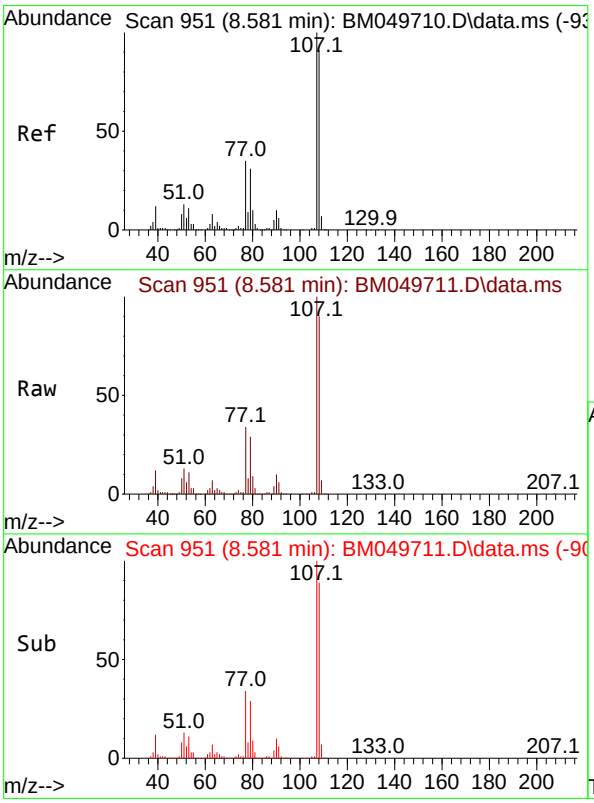
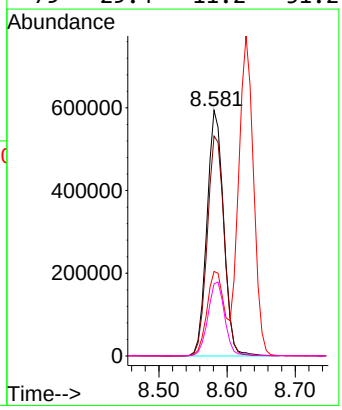
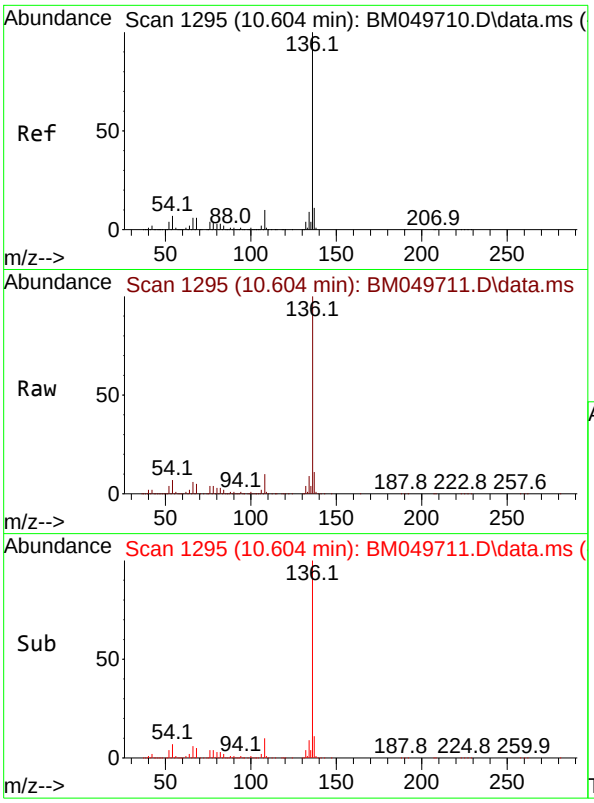


#20
3+4-Methylphenols
Concen: 51.528 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:107 Resp: 1014565

Ion	Ratio	Lower	Upper
107	100		
108	89.5	71.0	111.0
77	34.4	15.1	55.1
79	29.4	11.2	51.2

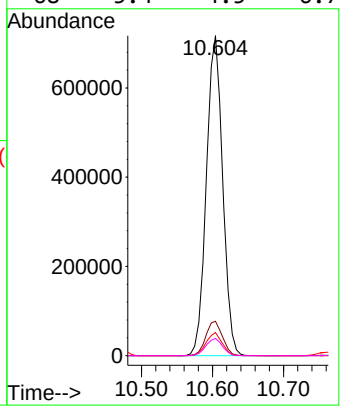




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:136 Resp: 114286

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.3	5.8	8.8
68	5.4	4.5	6.7



Instrument :
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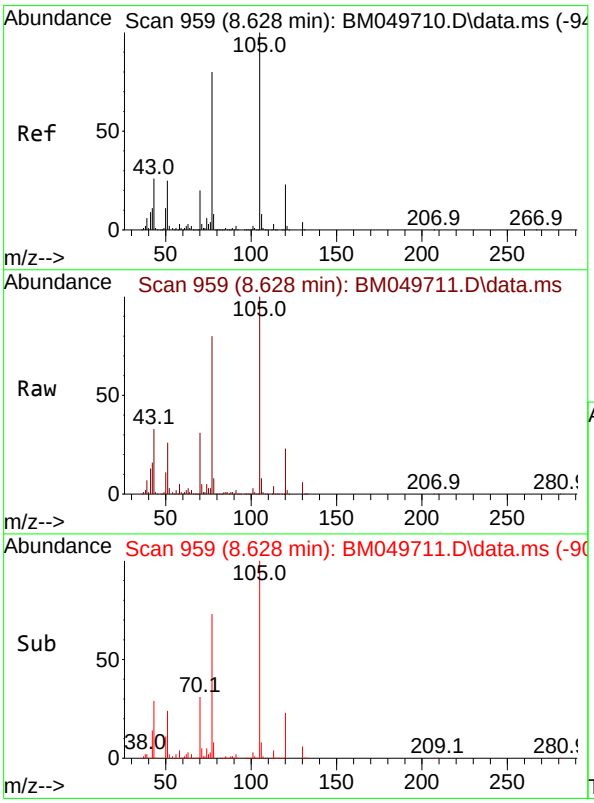
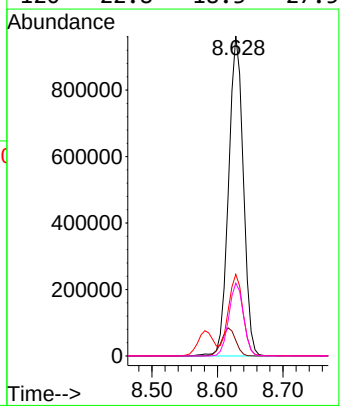
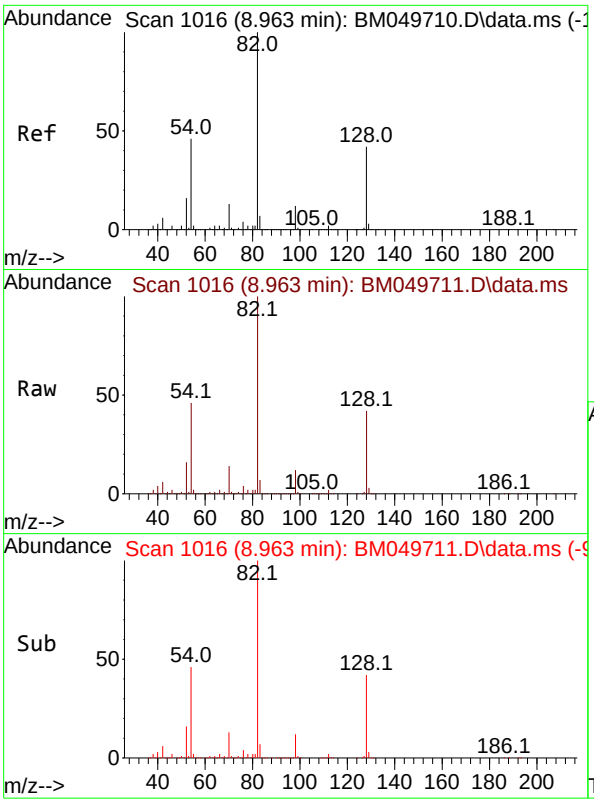


#22
Acetophenone
Concen: 51.088 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:105 Resp: 1505469

Ion	Ratio	Lower	Upper
105	100		
71	4.9	2.5	3.7#
51	25.5	19.9	29.9
120	22.8	18.3	27.5





#23
Nitrobenzene-d5
Concen: 103.536 ng
RT: 8.963 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 82 Resp: 230470

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	45.8	36.4	54.6

Instrument :
BNA_M
ClientSampleId :
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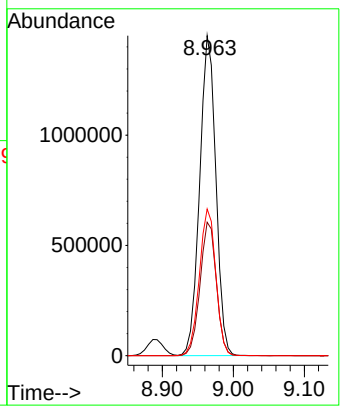
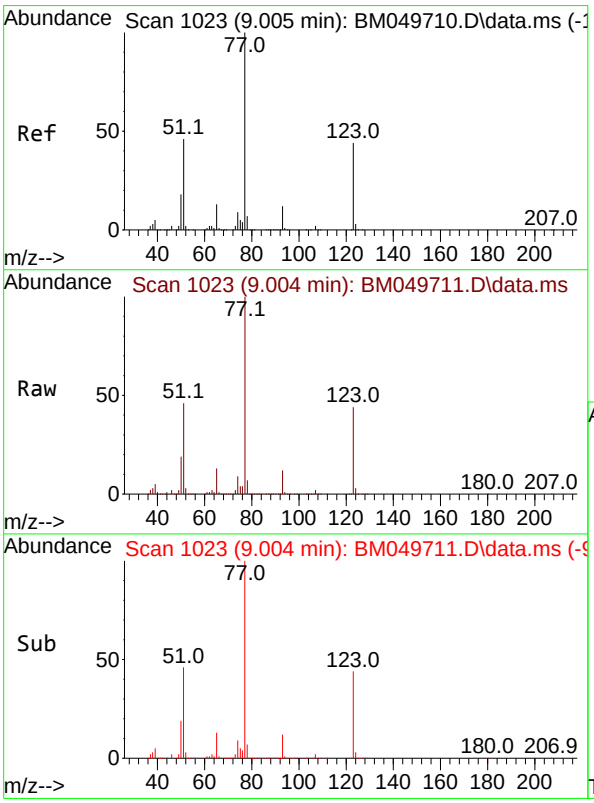
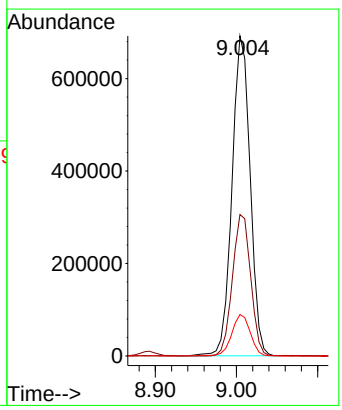


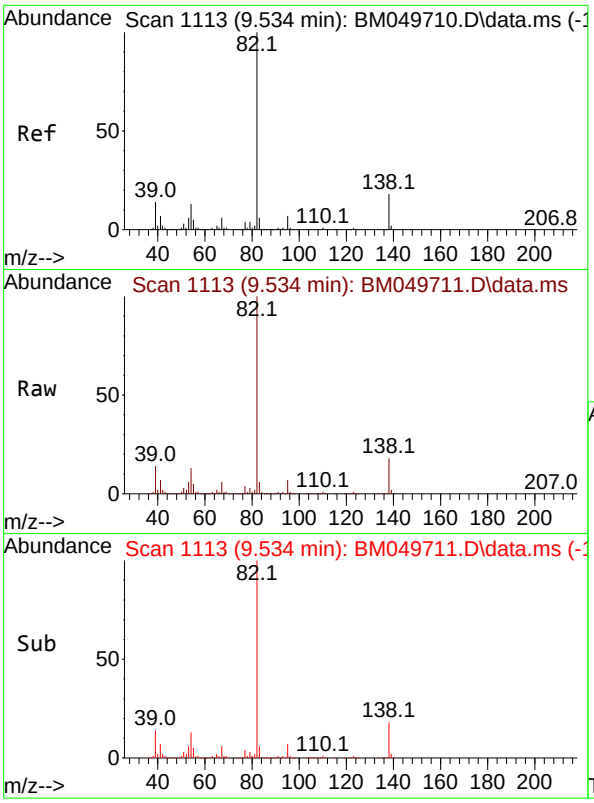


#24
Nitrobenzene
Concen: 51.028 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 77 Resp: 1071054

Ion	Ratio	Lower	Upper
77	100		
123	44.2	34.9	52.3
65	13.0	10.6	15.8

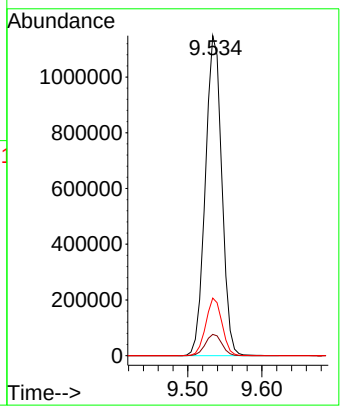




#25
Isophorone
Concen: 51.772 ng
RT: 9.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 82 Resp: 176940

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	18.0	14.4	21.6



Instrument :
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ClientSampleId :
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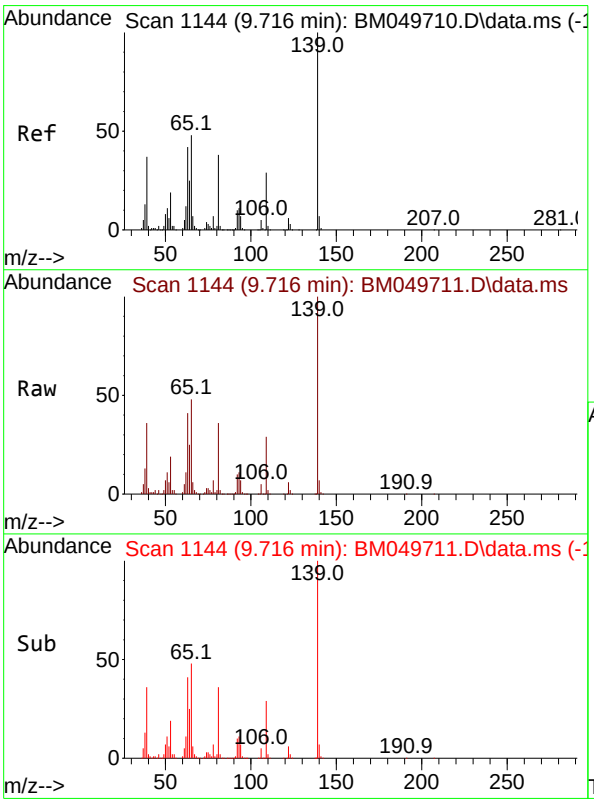
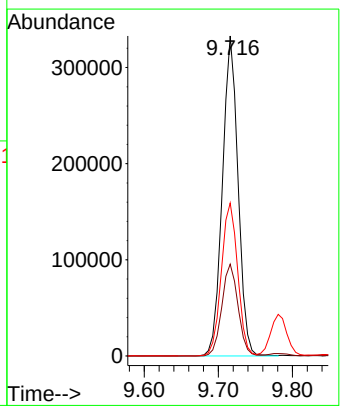
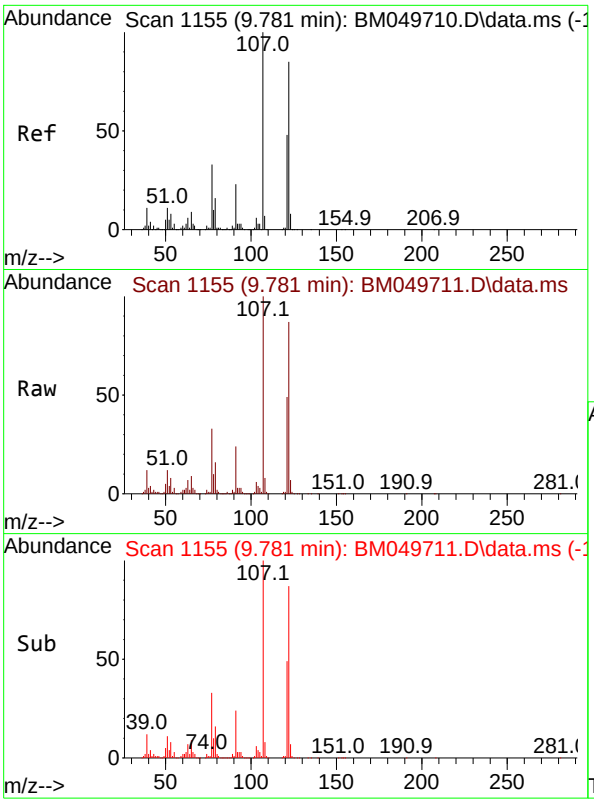


#26
2-Nitrophenol
Concen: 54.709 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:139 Resp: 488752

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.3	34.9
65	47.8	38.6	58.0





#27
2,4-Dimethylphenol
Concen: 52.413 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:122 Resp: 59600

Ion	Ratio	Lower	Upper
122	100		
107	114.4	94.3	141.5
121	56.5	45.4	68.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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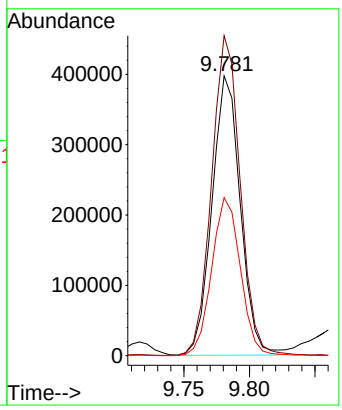
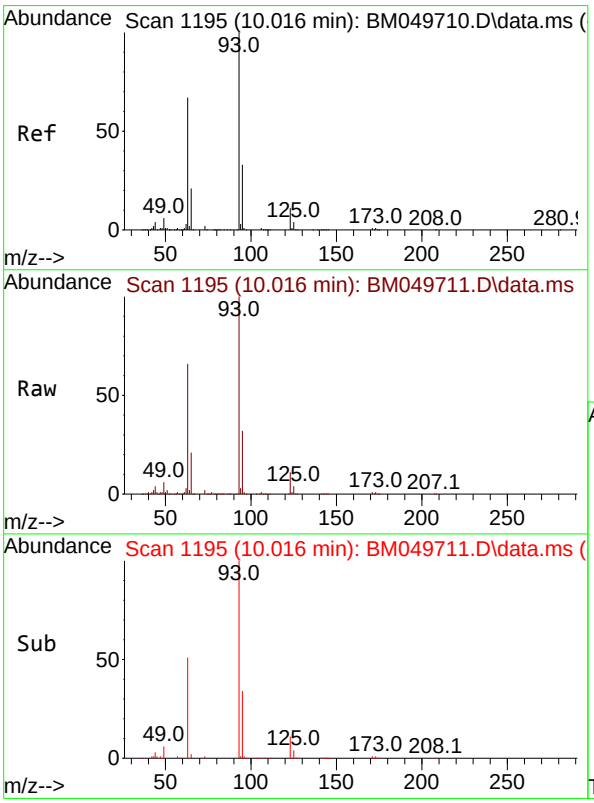
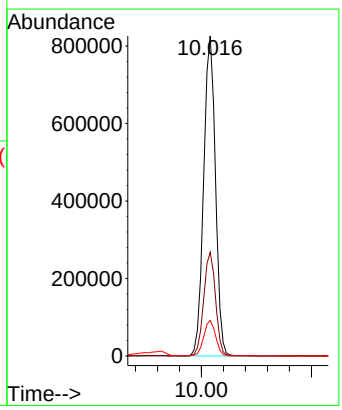


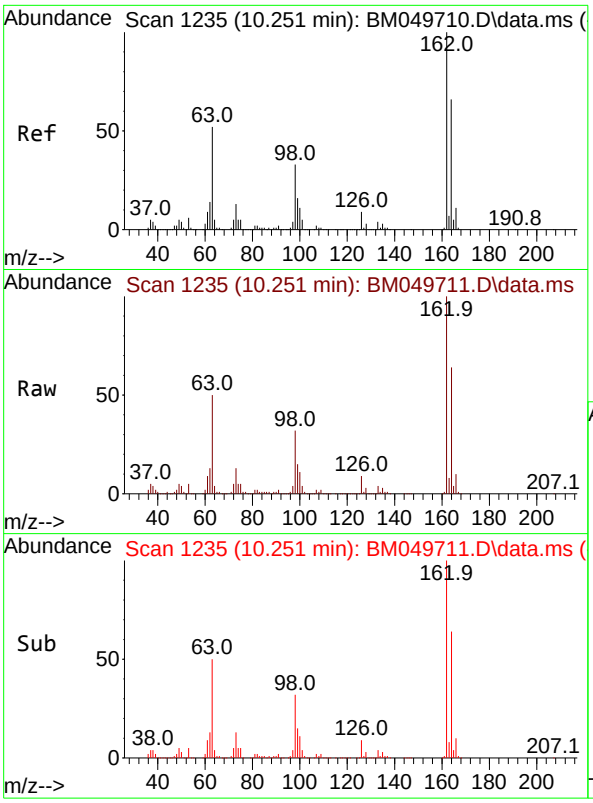


#28
bis(2-Chloroethoxy)methane
Concen: 51.115 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 93 Resp: 1230419

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.1	9.0	13.6

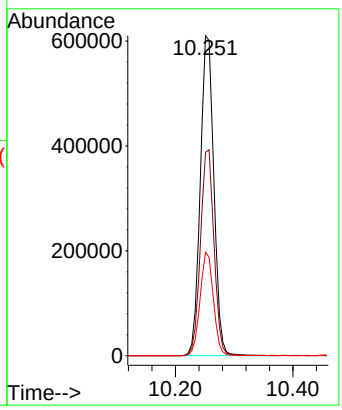




#29
2,4-Dichlorophenol
Concen: 52.725 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:162 Resp: 97696

Ion	Ratio	Lower	Upper
162	100		
164	63.6	46.3	86.3
98	32.4	12.8	52.8



Instrument :
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ClientSampleId :
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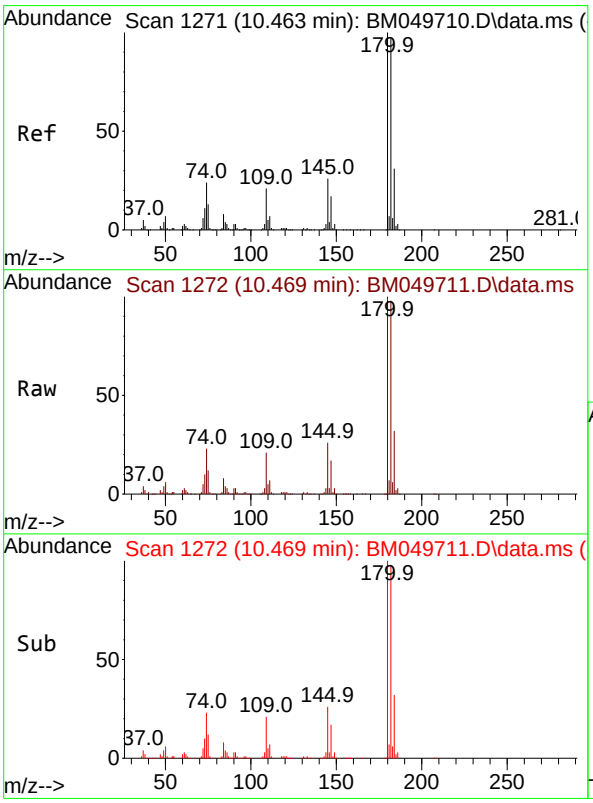
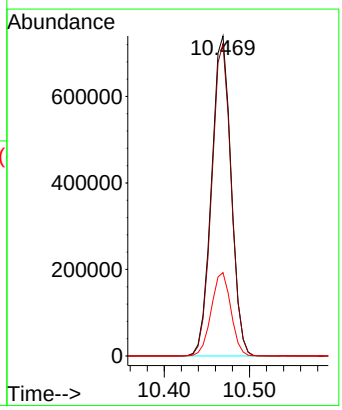
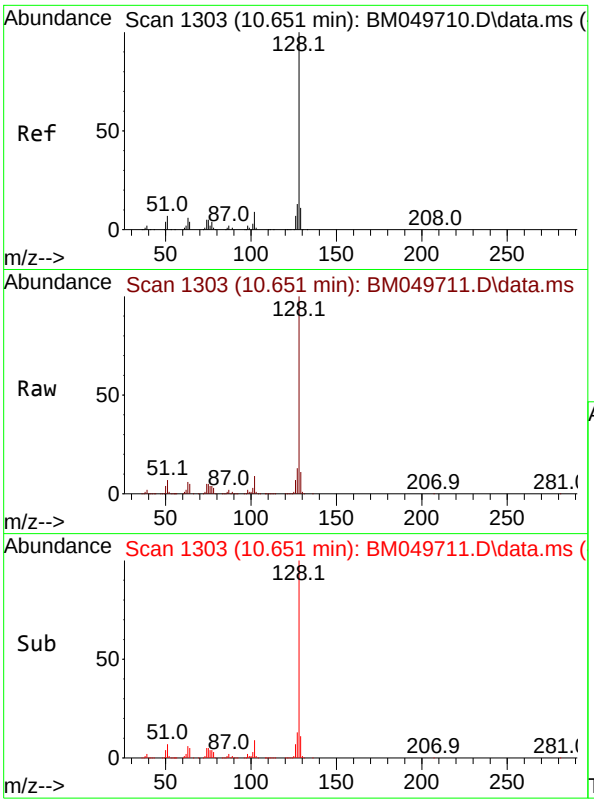


#30
1,2,4-Trichlorobenzene
Concen: 50.972 ng
RT: 10.469 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:180 Resp: 1181673

Ion	Ratio	Lower	Upper
180	100		
182	97.6	77.7	116.5
145	26.0	21.0	31.4

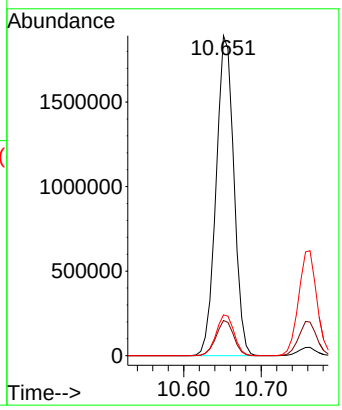




#31
Naphthalene
Concen: 51.466 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:128 Resp: 302446

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	12.7	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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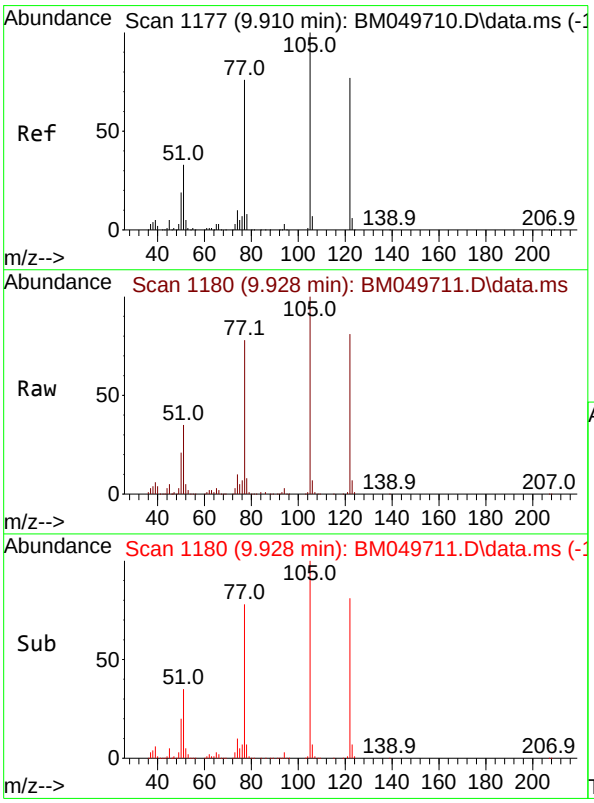
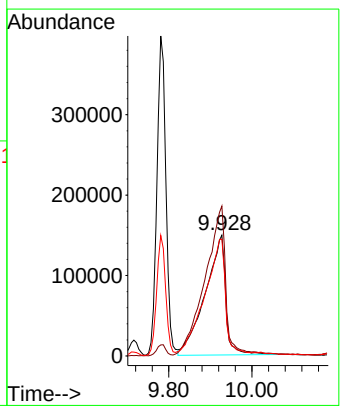
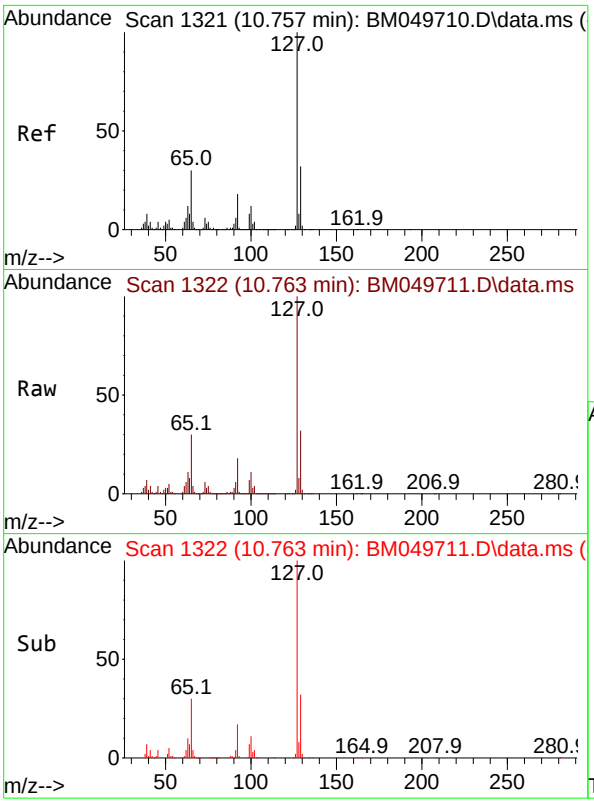


#32
Benzoic acid
Concen: 52.834 ng
RT: 9.928 min Scan# 1180
Delta R.T. 0.018 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:122 Resp: 511116

Ion	Ratio	Lower	Upper
122	100		
105	124.2	105.6	145.6
77	96.9	76.9	116.9

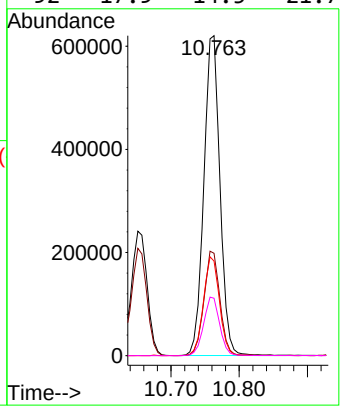




#33
4-Chloroaniline
Concen: 50.809 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:127 Resp: 101902

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	29.6	24.1	36.1
92	17.9	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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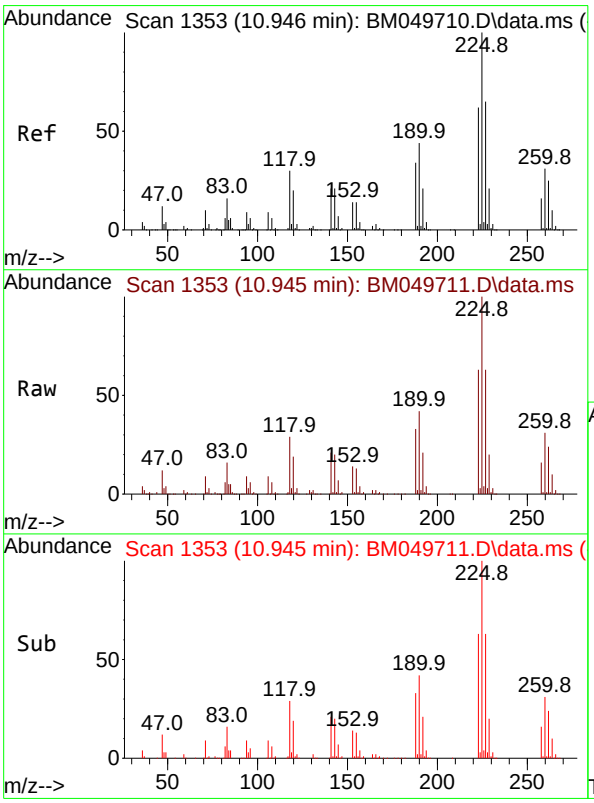
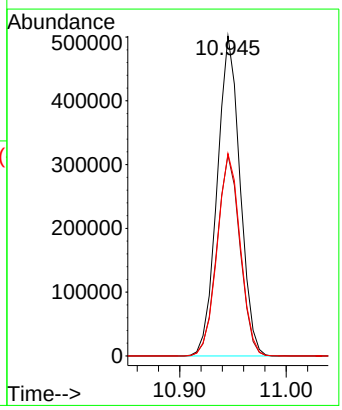
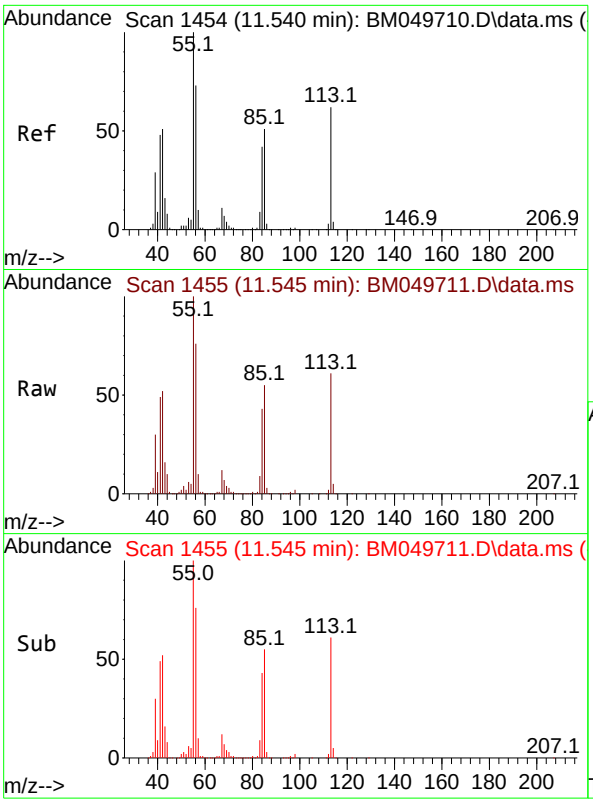


#34
Hexachlorobutadiene
Concen: 52.109 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:225 Resp: 745756

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.8
227	63.3	52.1	78.1

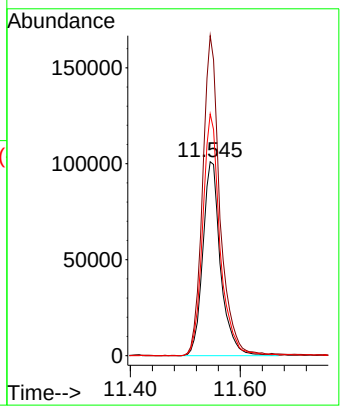




#35
Caprolactam
Concen: 52.681 ng
RT: 11.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:113 Resp: 22663

Ion	Ratio	Lower	Upper
113	100		
55	165.0	141.8	181.8
56	124.7	98.0	138.0



Instrument :
BNA_M
ClientSampleId :
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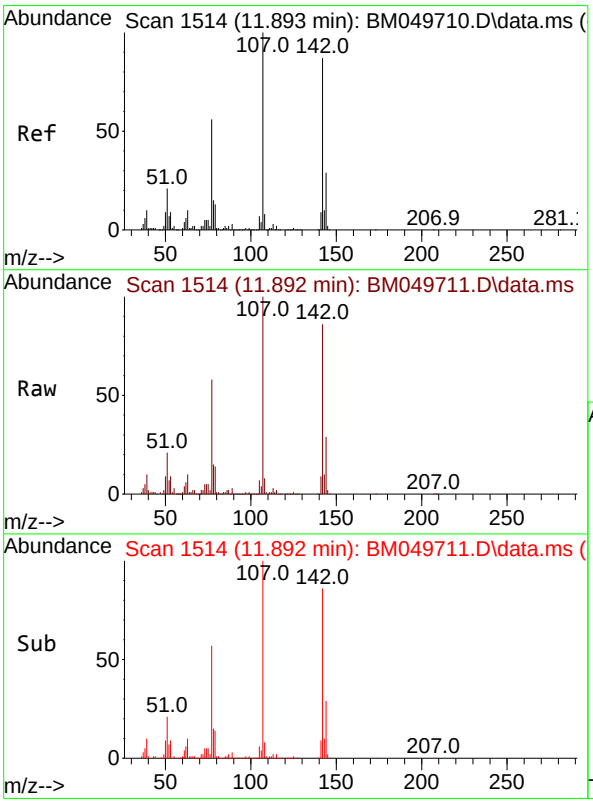
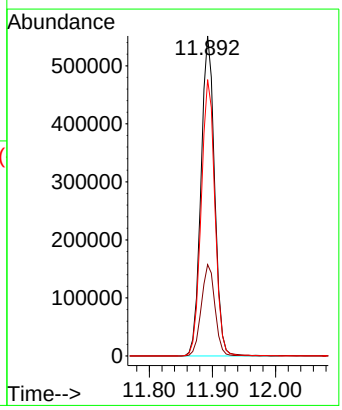
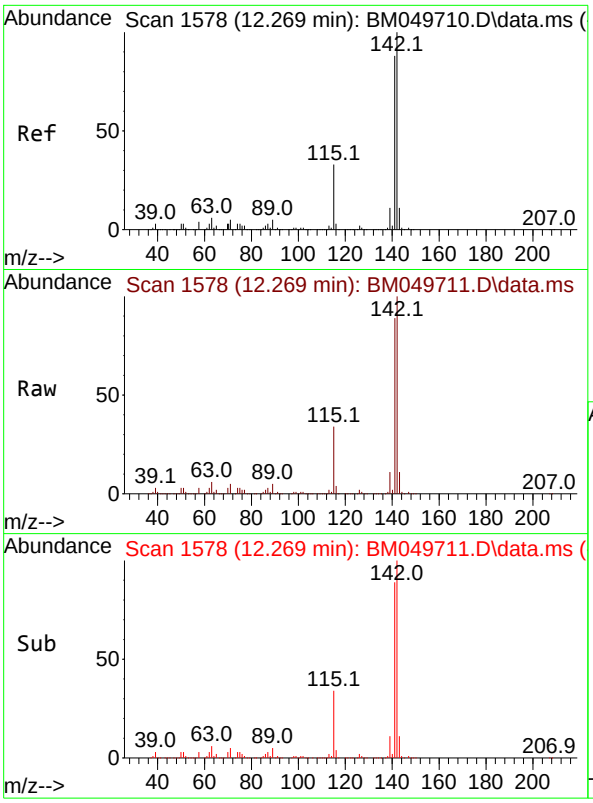


#36
4-Chloro-3-methylphenol
Concen: 51.921 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:107 Resp: 825613

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.0	34.6
142	86.4	69.8	104.8

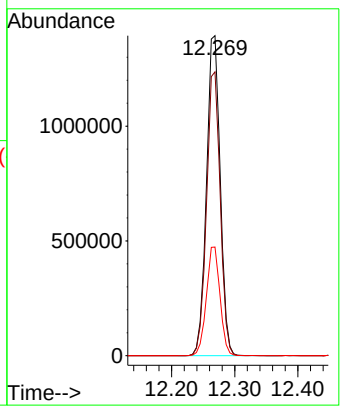




#37
2-Methylnaphthalene
Concen: 51.096 ng
RT: 12.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:142 Resp: 209966

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.5	105.7
115	34.0	26.5	39.7



Instrument :
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ClientSampleId :
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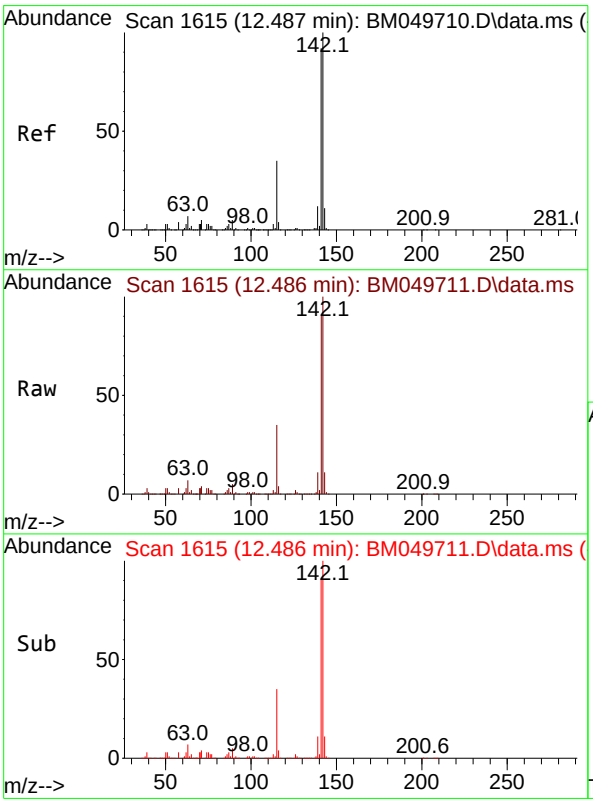
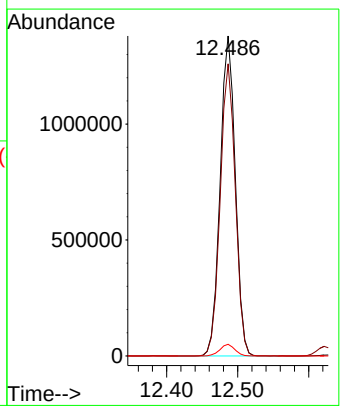
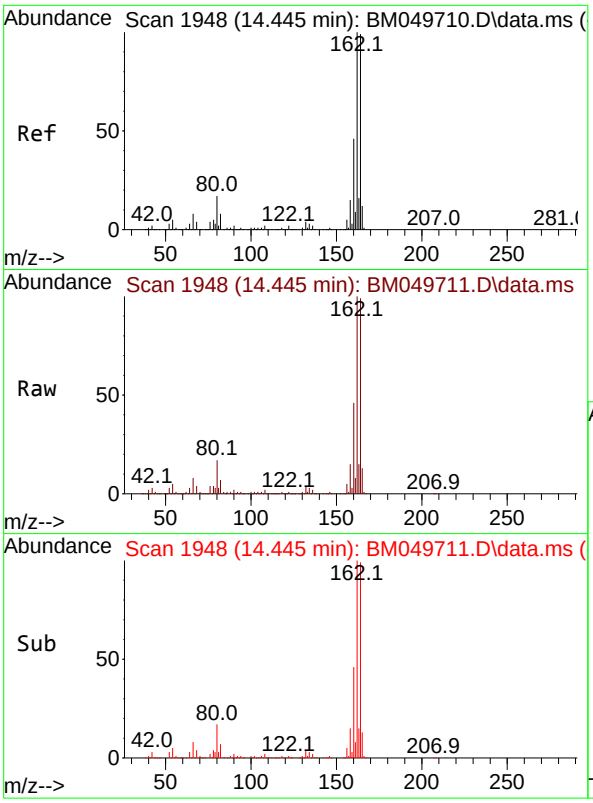


#38
1-Methylnaphthalene
Concen: 51.260 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:142 Resp: 2032245

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.4	110.2
116	3.7	2.8	4.2

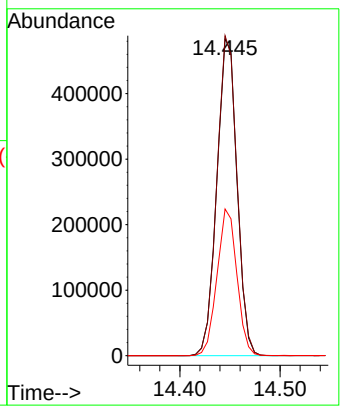




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:164 Resp: 67606

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.5	120.7
160	46.3	36.9	55.3



Instrument :
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ClientSampleId :
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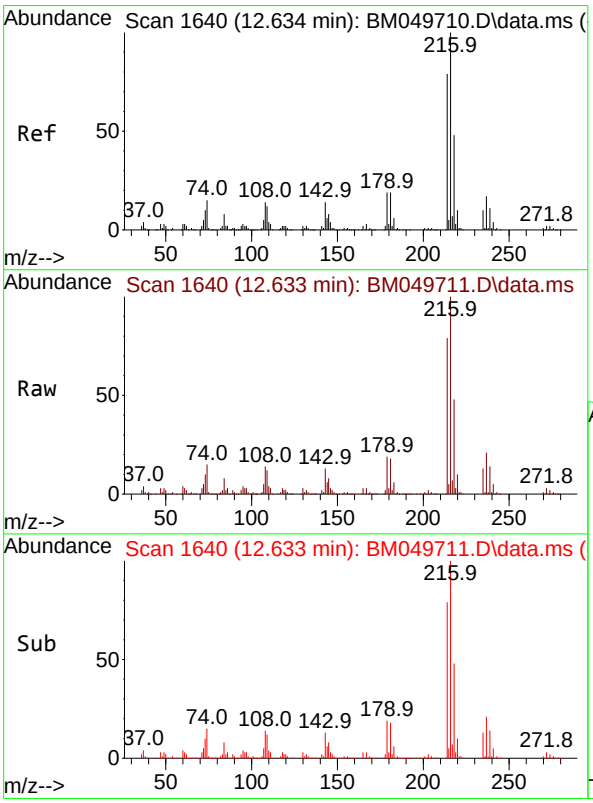
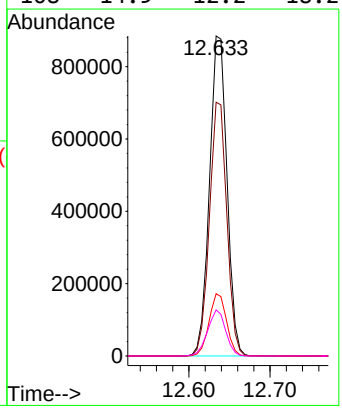
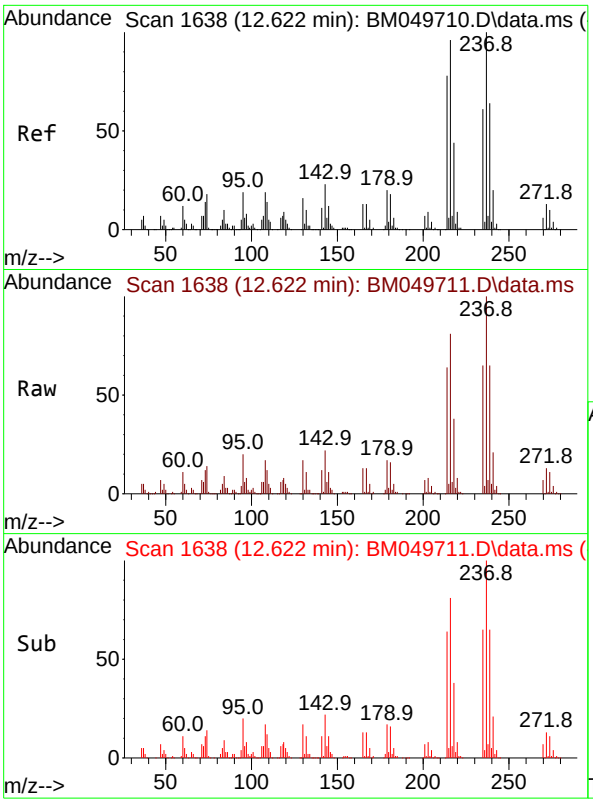


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.168 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:216 Resp: 1320335

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.5	95.3
179	19.4	15.7	23.5
108	14.9	12.2	18.2

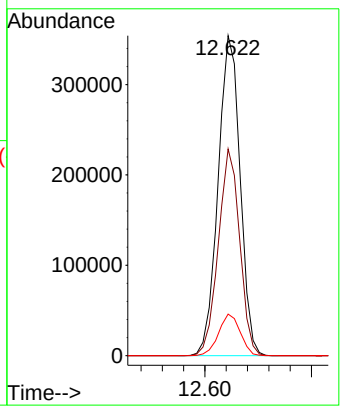




#41
Hexachlorocyclopentadiene
Concen: 55.050 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:237 Resp: 50645

Ion	Ratio	Lower	Upper
237	100		
235	64.6	41.1	81.1
272	13.0	0.0	32.5



Instrument :
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ClientSampleId :
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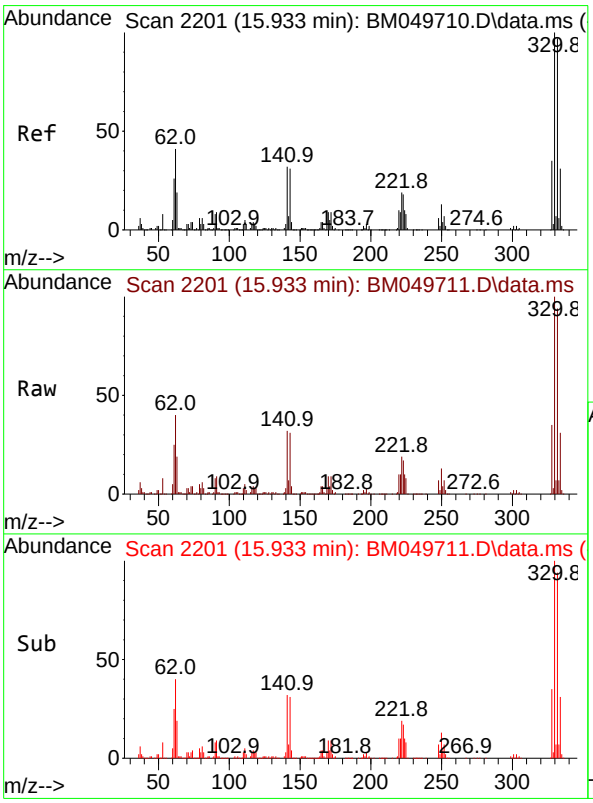
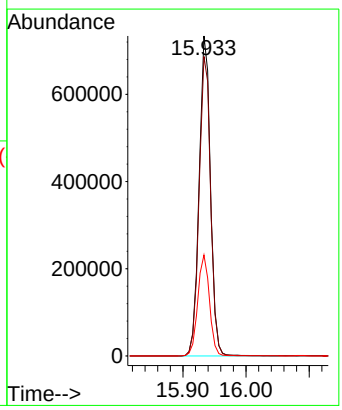
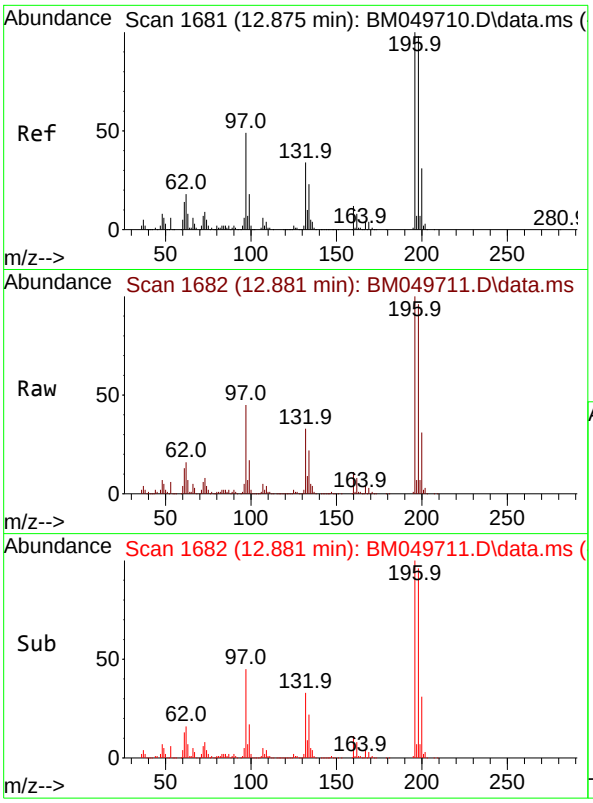


#42
2,4,6-Tribromophenol
Concen: 115.476 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:330 Resp: 911616

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.4
141	32.6	27.8	41.6

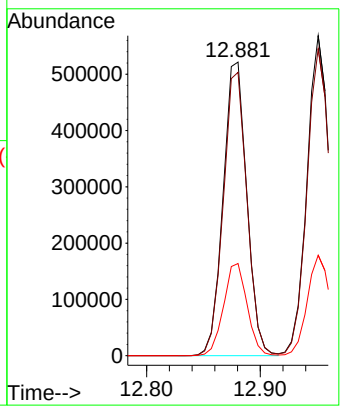




#43
2,4,6-Trichlorophenol
Concen: 54.496 ng
RT: 12.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:196 Resp: 75794

Ion	Ratio	Lower	Upper
196	100		
198	96.5	78.3	117.5
200	31.4	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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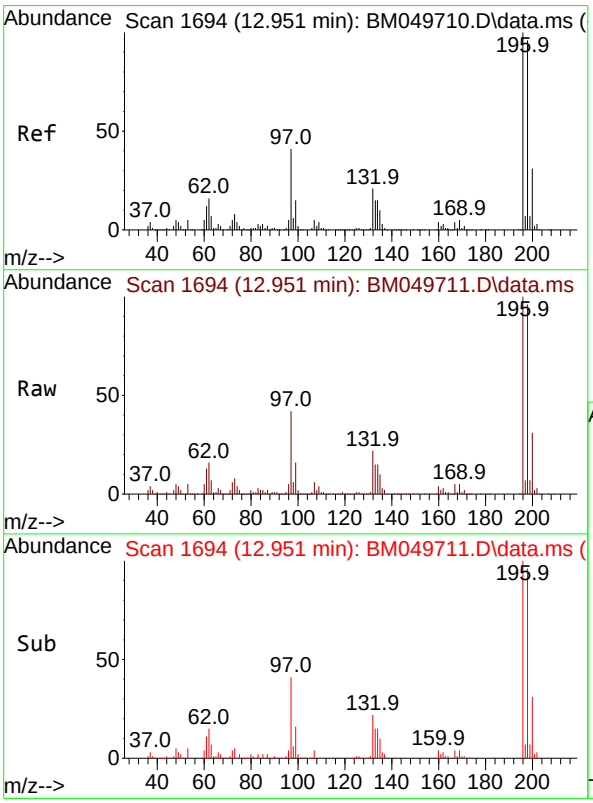
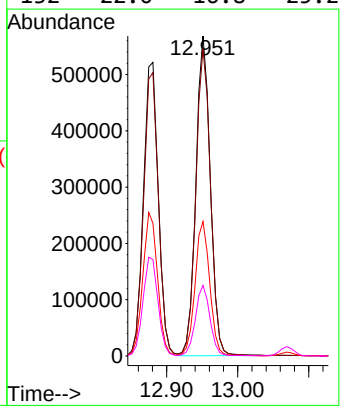
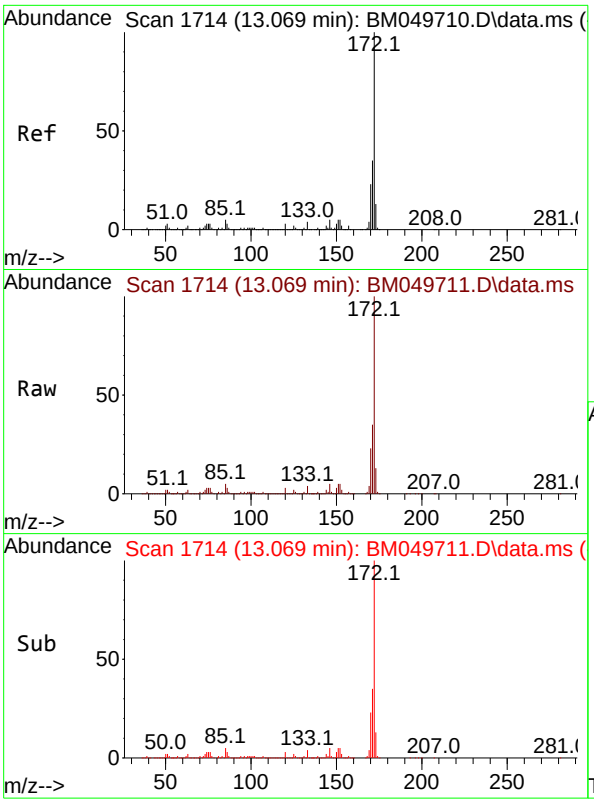


#44
2,4,5-Trichlorophenol
Concen: 53.190 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:196 Resp: 807292

Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.7	115.1
97	42.0	32.9	49.3
132	22.0	16.8	25.2

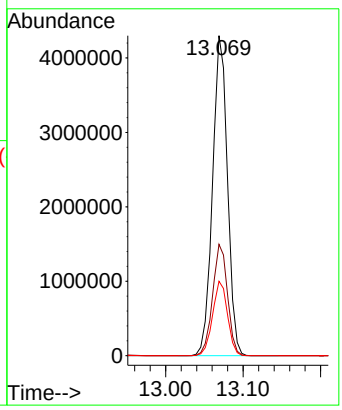




#45
2-Fluorobiphenyl
Concen: 106.213 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:172 Resp: 573365

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.2	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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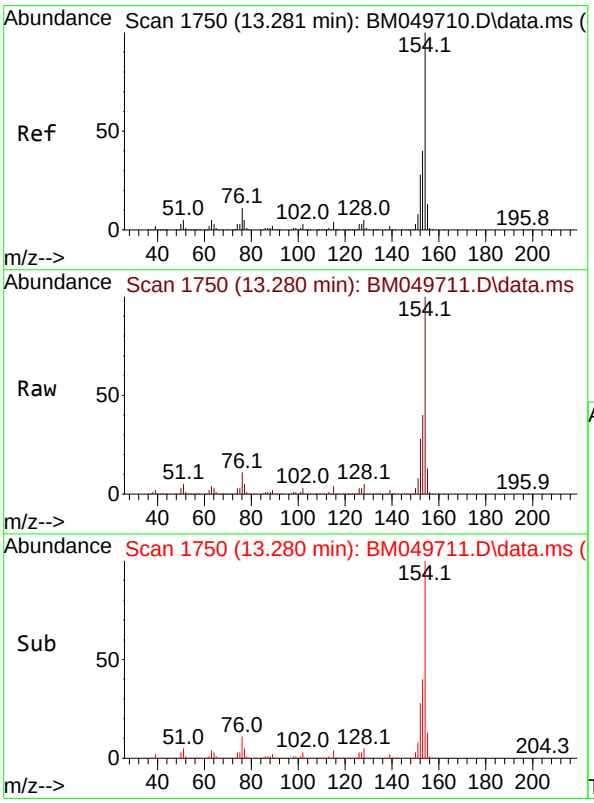
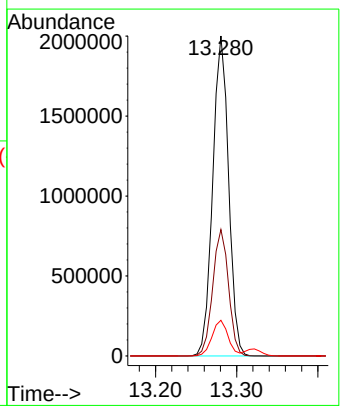
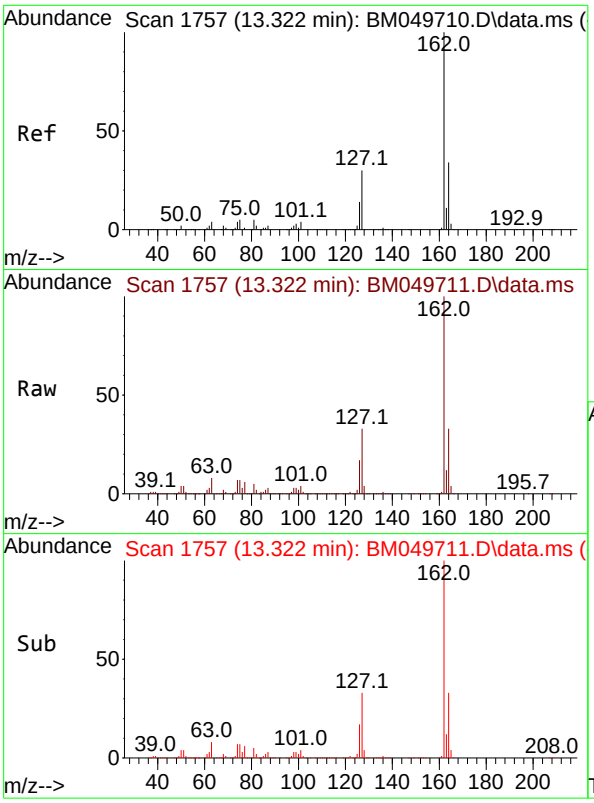


#46
1,1'-Biphenyl
Concen: 52.107 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:154 Resp: 2715061

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.7	59.7
76	11.1	0.0	31.2

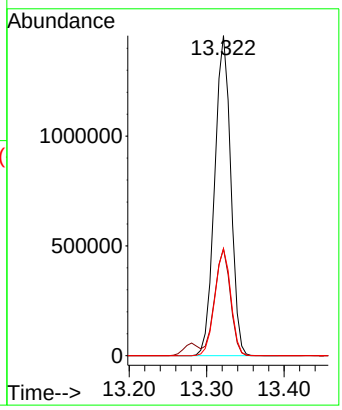




#47
2-Chloronaphthalene
Concen: 51.855 ng
RT: 13.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:162 Resp: 210307

Ion	Ratio	Lower	Upper
162	100		
127	33.4	25.8	38.6
164	33.5	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
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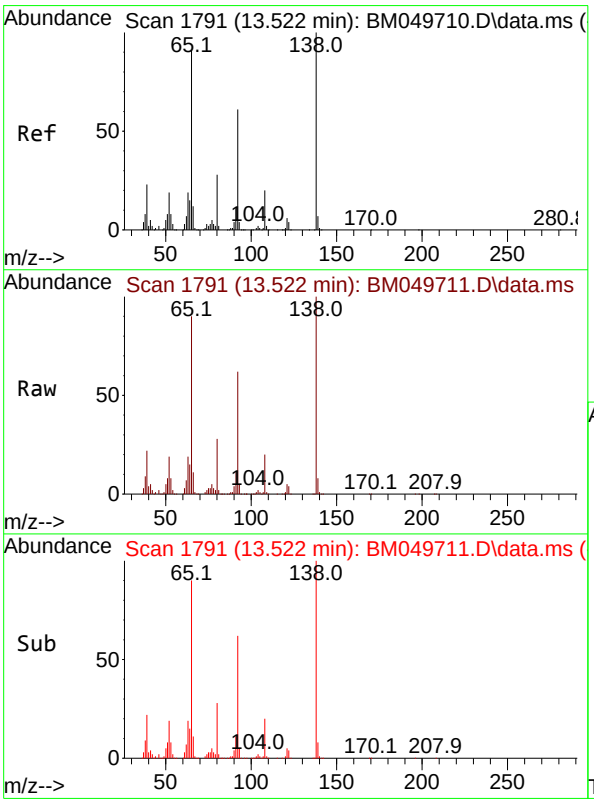
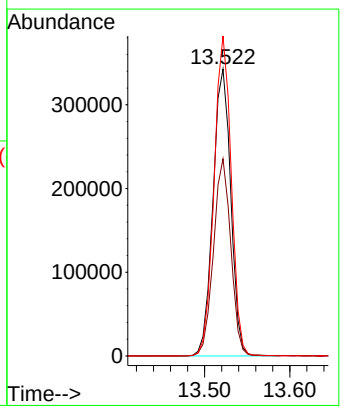
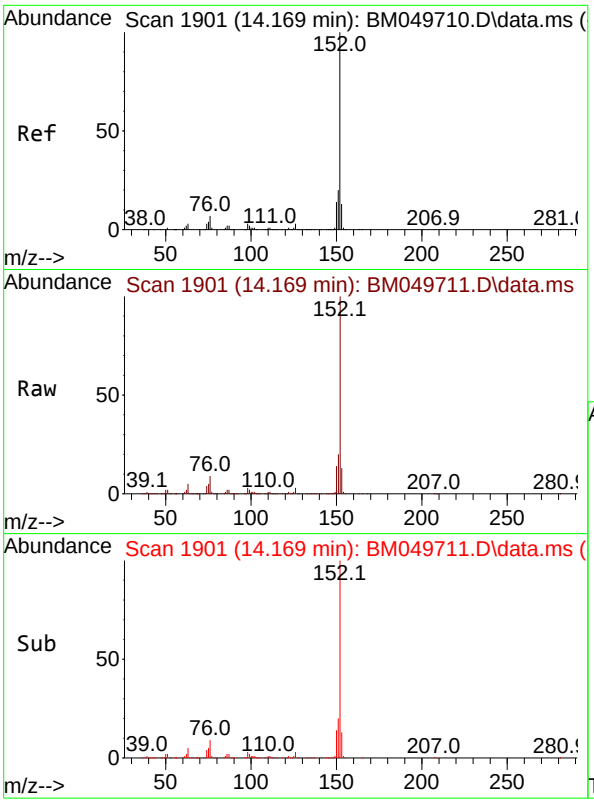


#48
2-Nitroaniline
Concen: 54.532 ng
RT: 13.522 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 65 Resp: 496484

Ion	Ratio	Lower	Upper
65	100		
92	68.7	53.4	80.2
138	111.5	87.6	131.4

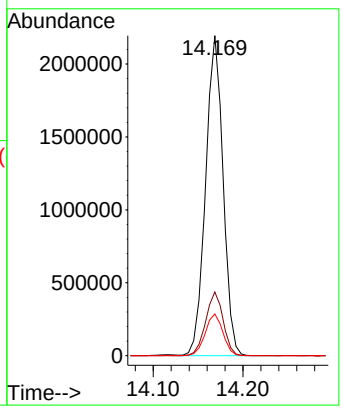




#49
Acenaphthylene
Concen: 52.334 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:152 Resp: 296678

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.1	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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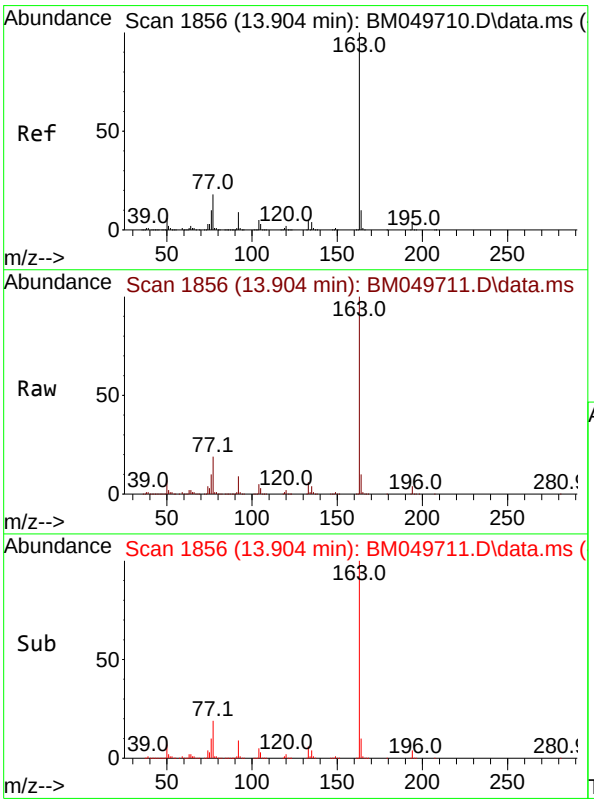
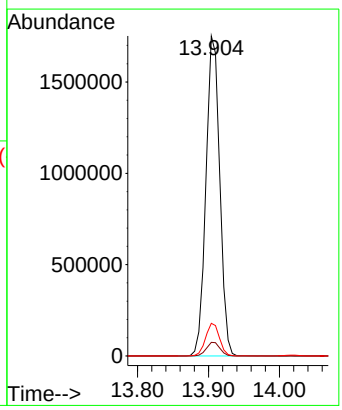
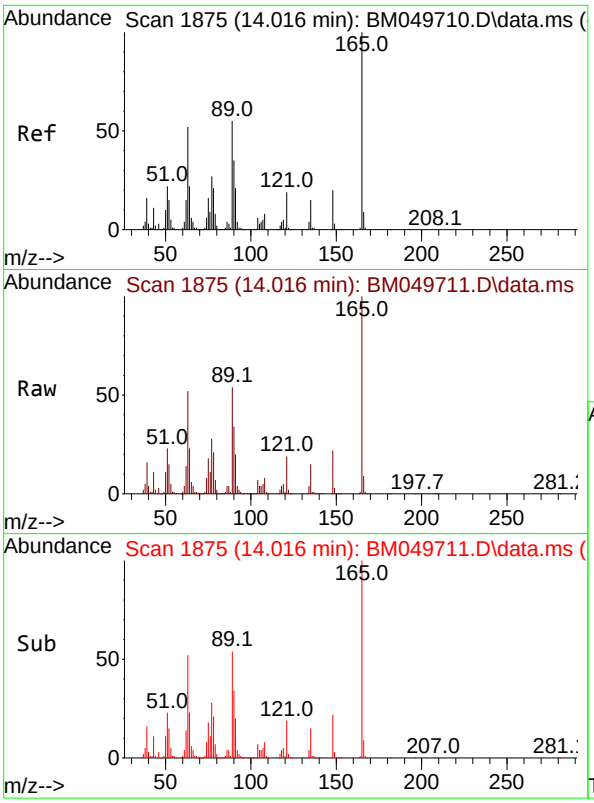


#50
Dimethylphthalate
Concen: 50.900 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:163 Resp: 2369244

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.2

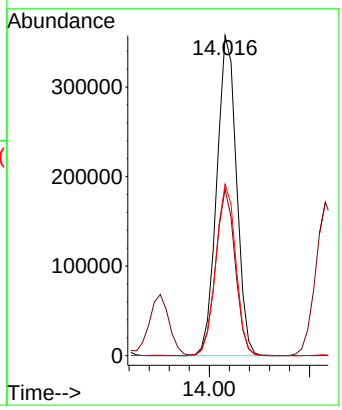




#51
2,6-Dinitrotoluene
Concen: 52.253 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:165 Resp: 48734

Ion	Ratio	Lower	Upper
165	100		
63	52.0	42.3	63.5
89	53.6	43.9	65.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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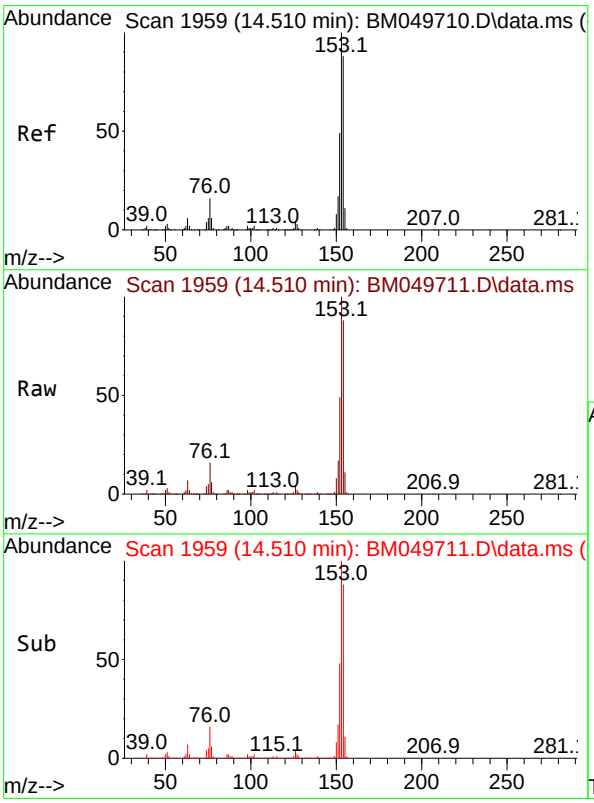
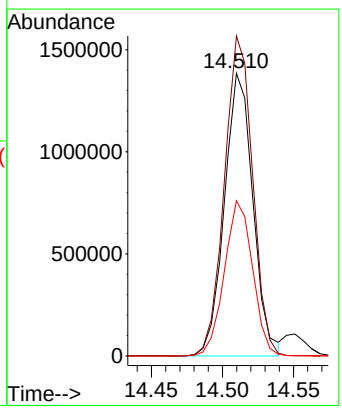
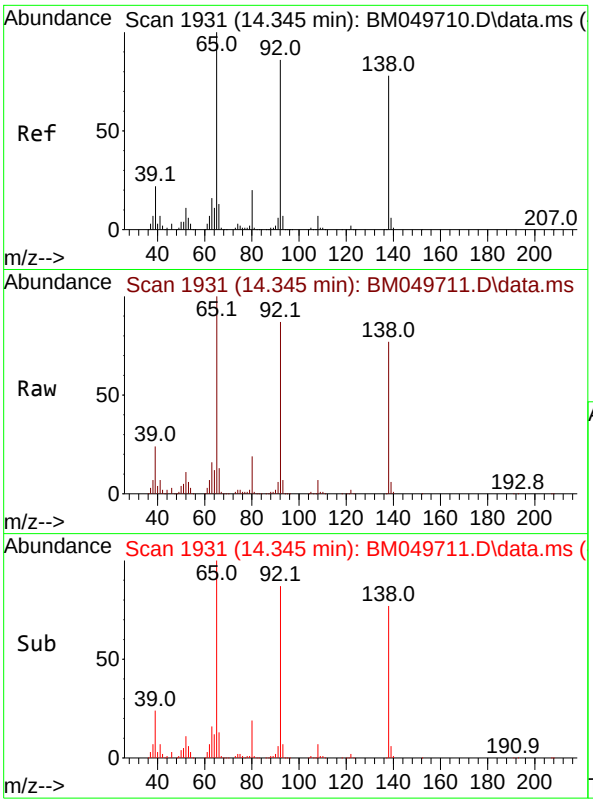


#52
Acenaphthene
Concen: 52.126 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:154 Resp: 1935920

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.4	135.6
152	54.9	44.2	66.2

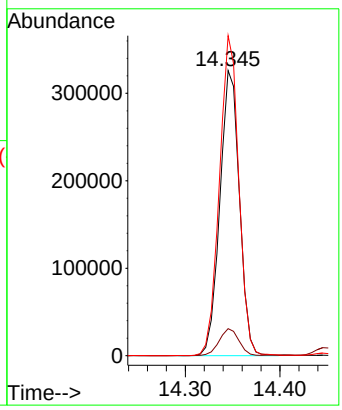




#53
3-Nitroaniline
Concen: 52.794 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:138 Resp: 46855

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.5	11.3
92	112.2	88.0	132.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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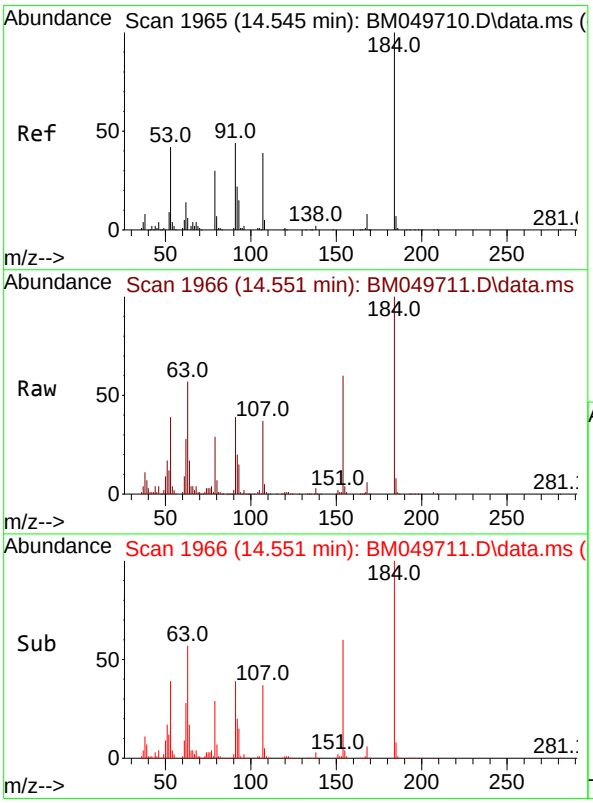
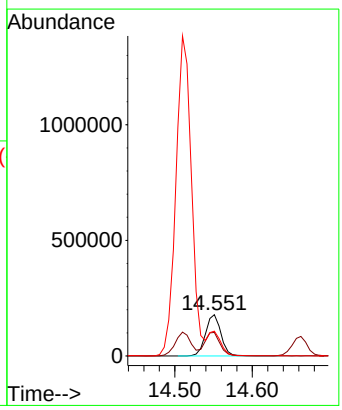
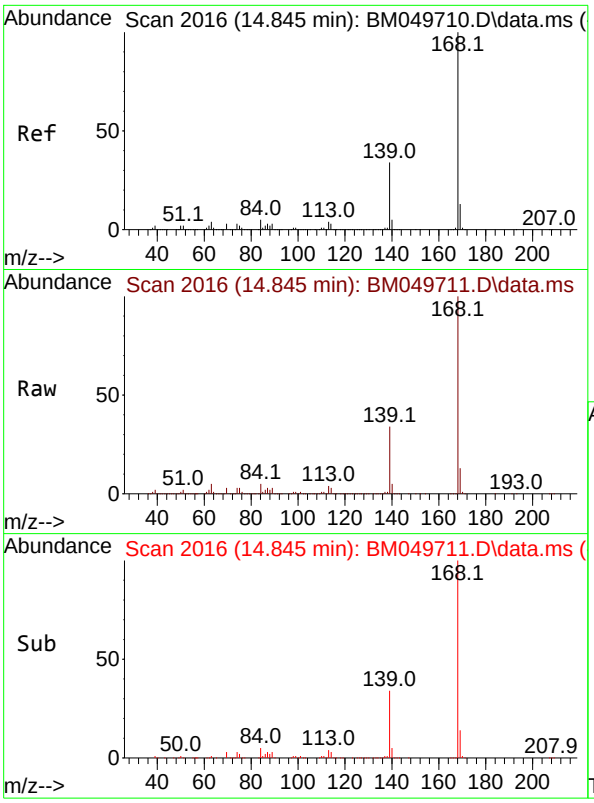


#54
2,4-Dinitrophenol
Concen: 49.851 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:184 Resp: 245877

Ion	Ratio	Lower	Upper
184	100		
63	57.0	47.2	70.8
154	60.1	49.9	74.9

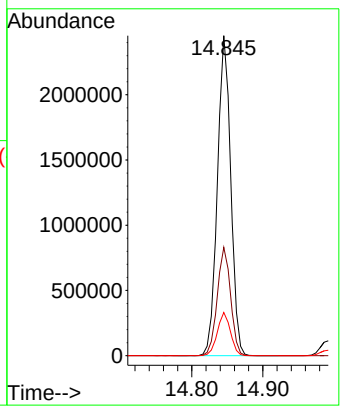




#55
Dibenzofuran
Concen: 51.347 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:168 Resp: 318158

Ion	Ratio	Lower	Upper
168	100		
139	33.9	27.4	41.0
169	13.5	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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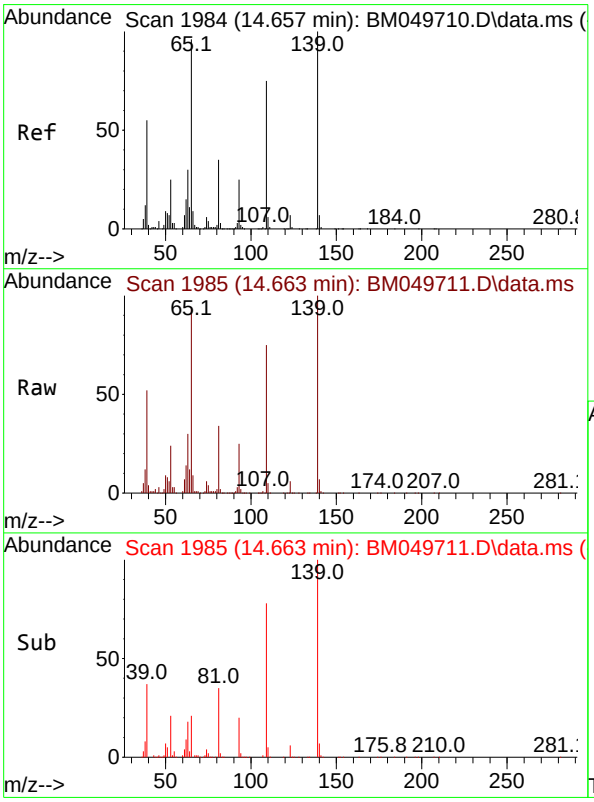
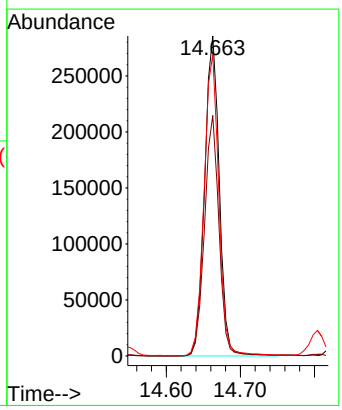
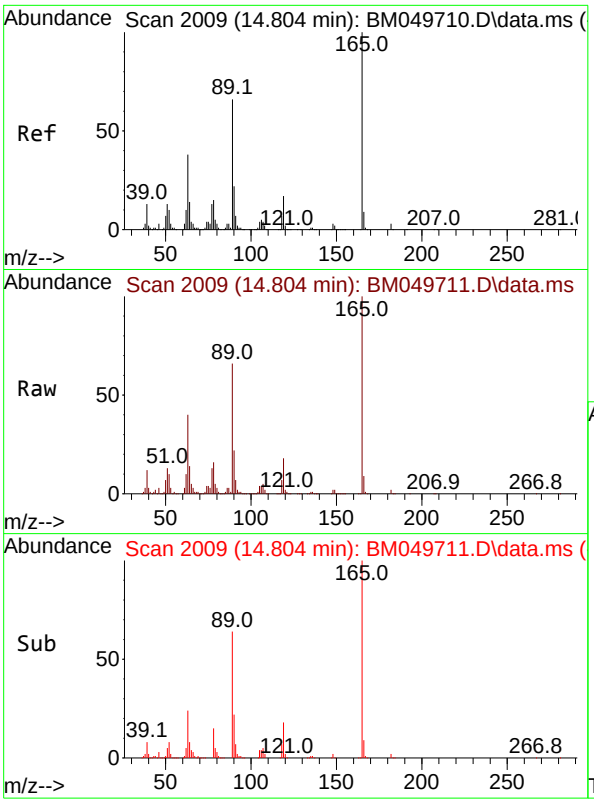


#56
4-Nitrophenol
Concen: 50.845 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:139 Resp: 392805

Ion	Ratio	Lower	Upper
139	100		
109	75.2	54.7	94.7
65	94.1	76.2	116.2

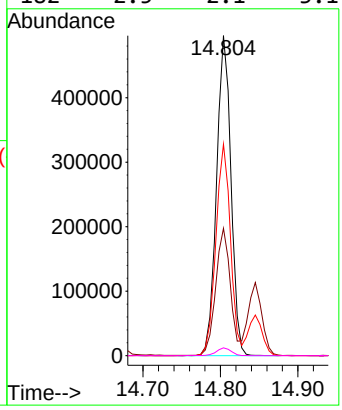




#57
2,4-Dinitrotoluene
Concen: 53.361 ng
RT: 14.804 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:165 Resp: 64040

Ion	Ratio	Lower	Upper
165	100		
63	39.8	30.8	46.2
89	66.1	53.1	79.7
182	2.5	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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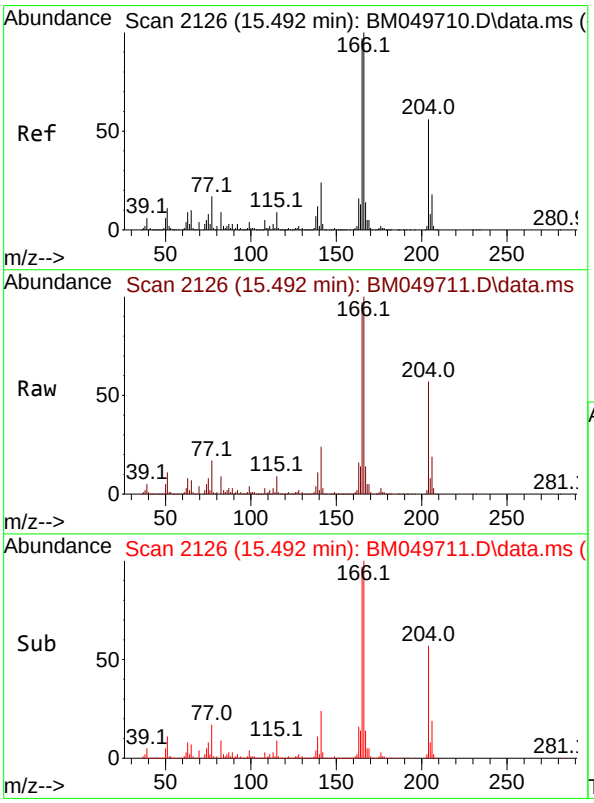
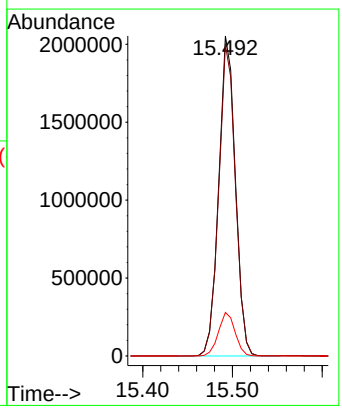
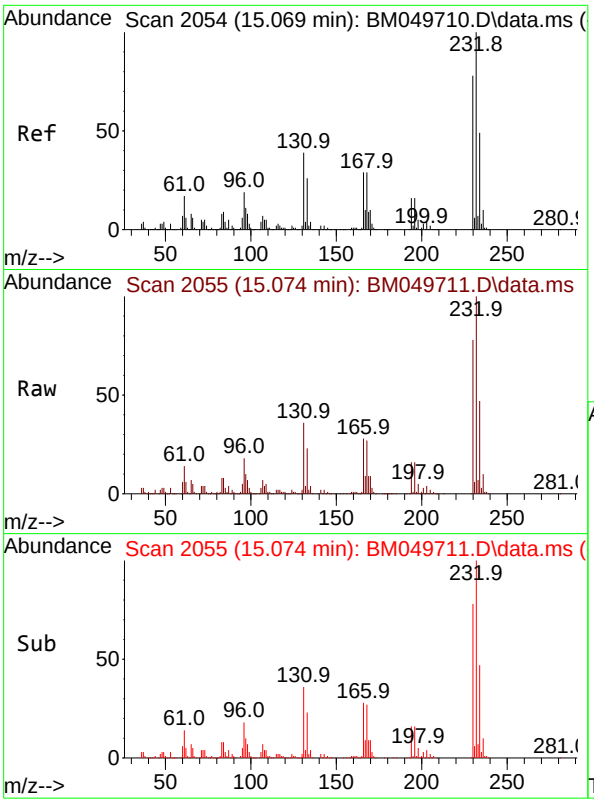


#58
Fluorene
Concen: 52.414 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:166 Resp: 2644175

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.5	116.3
167	13.6	10.9	16.3

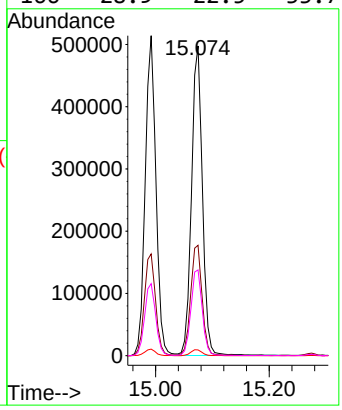




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.395 ng
RT: 15.074 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:232 Resp: 66566(

Ion	Ratio	Lower	Upper
232	100		
131	37.3	30.0	45.0
130	2.1	1.6	2.4
166	28.9	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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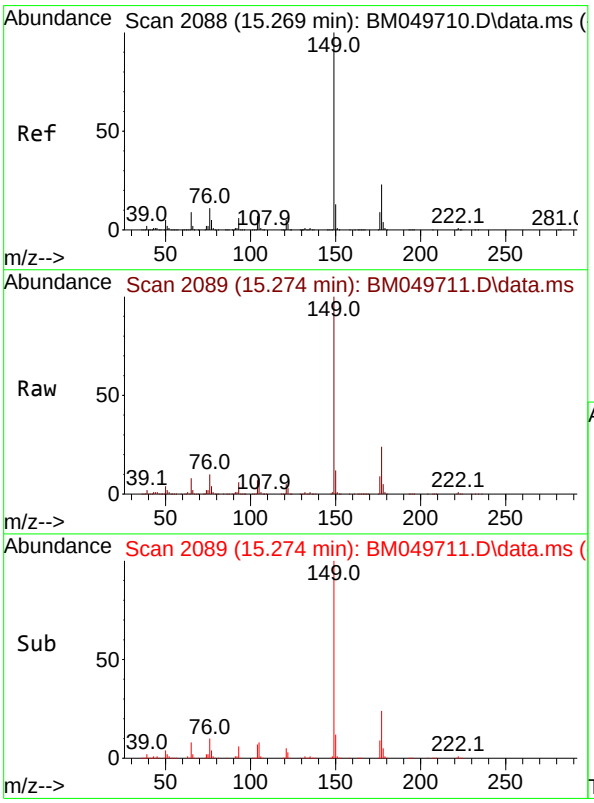
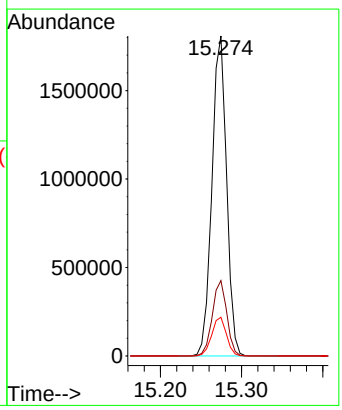
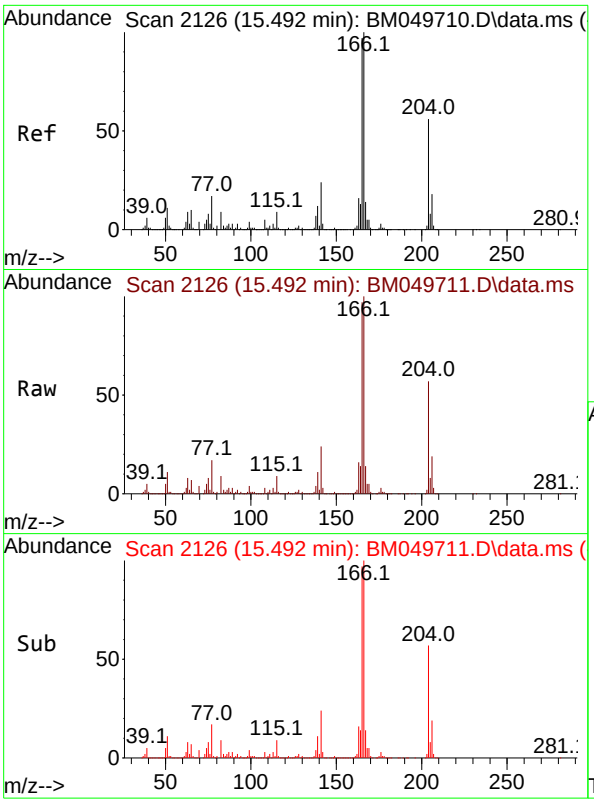


#60
Diethylphthalate
Concen: 51.595 ng
RT: 15.274 min Scan# 2089
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 2261890

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.2	27.2
150	12.1	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.403 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:204 Resp: 147115

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	42.9	34.5	51.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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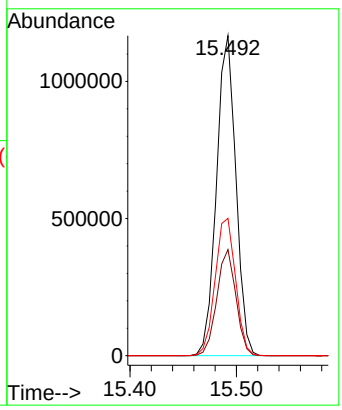
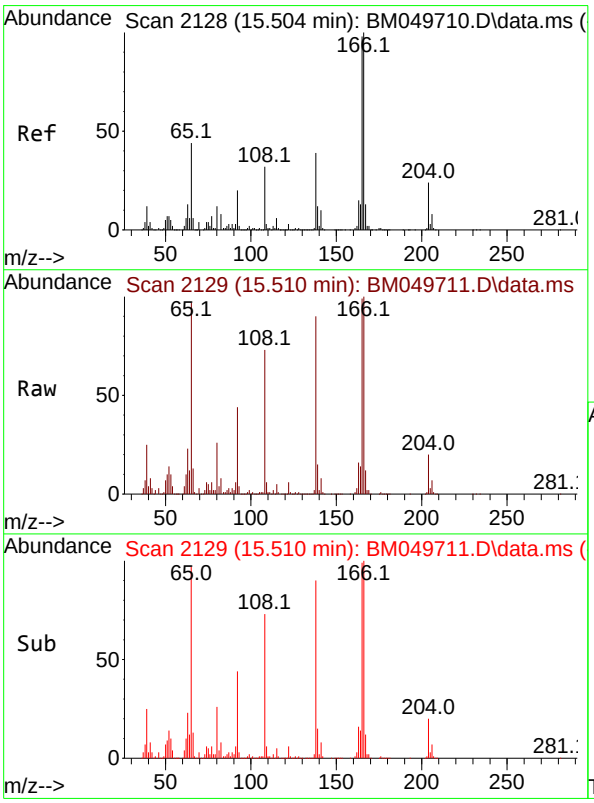
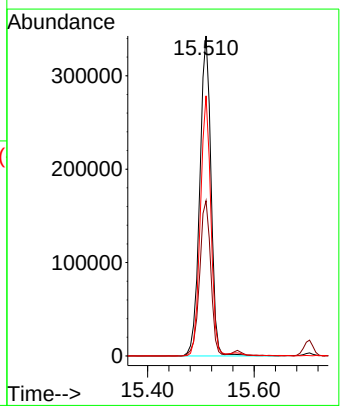


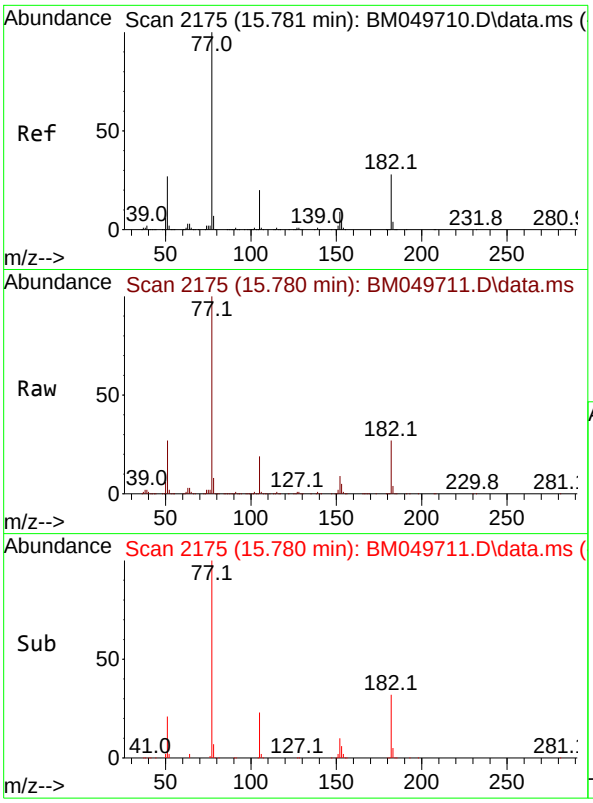


#62
4-Nitroaniline
Concen: 47.589 ng
RT: 15.510 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:138 Resp: 502155

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.8	69.8
108	81.3	61.3	101.3

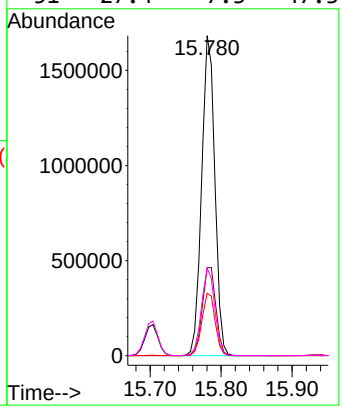




#63
Azobenzene
Concen: 51.918 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 77 Resp: 217398

Ion	Ratio	Lower	Upper
77	100		
182	27.5	8.0	48.0
105	19.5	0.0	40.0
51	27.4	7.3	47.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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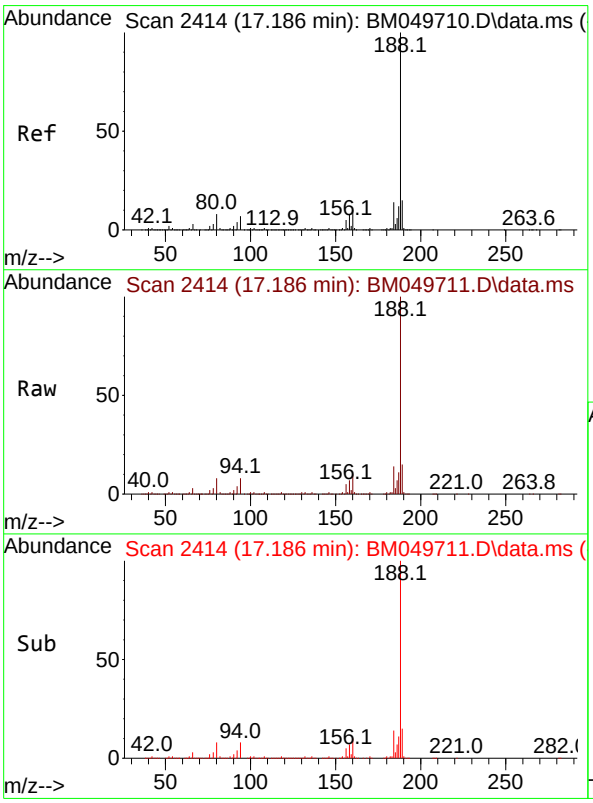
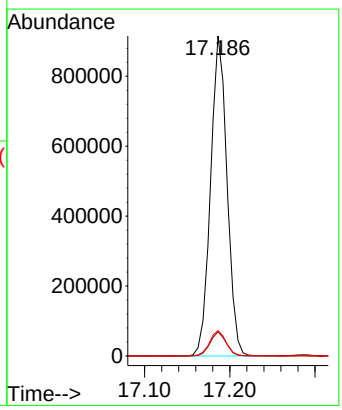
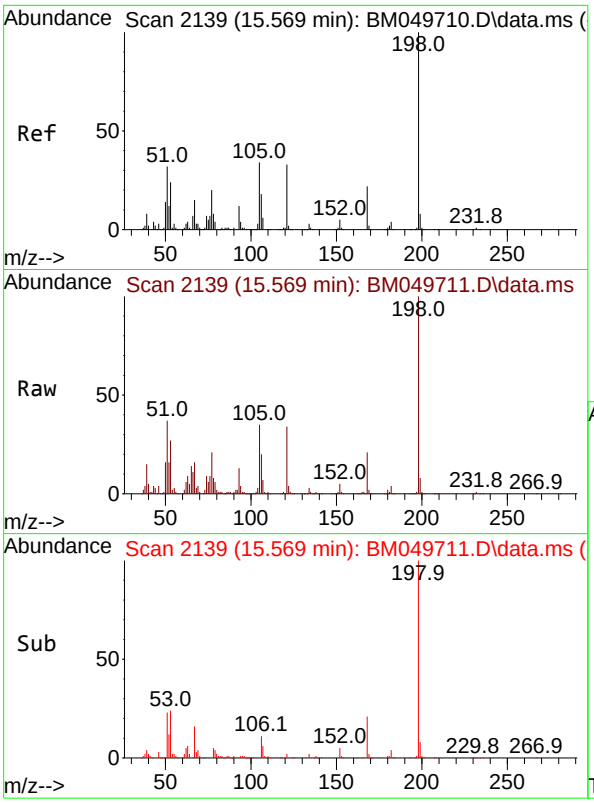


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:188 Resp: 1230919

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.8	8.6
80	7.9	6.3	9.5





#65
4,6-Dinitro-2-methylphenol
Concen: 49.773 ng
RT: 15.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:198 Resp: 33616

Ion	Ratio	Lower	Upper
198	100		
51	36.5	13.8	53.8
105	35.3	14.0	54.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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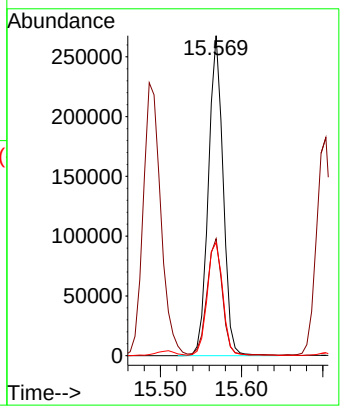
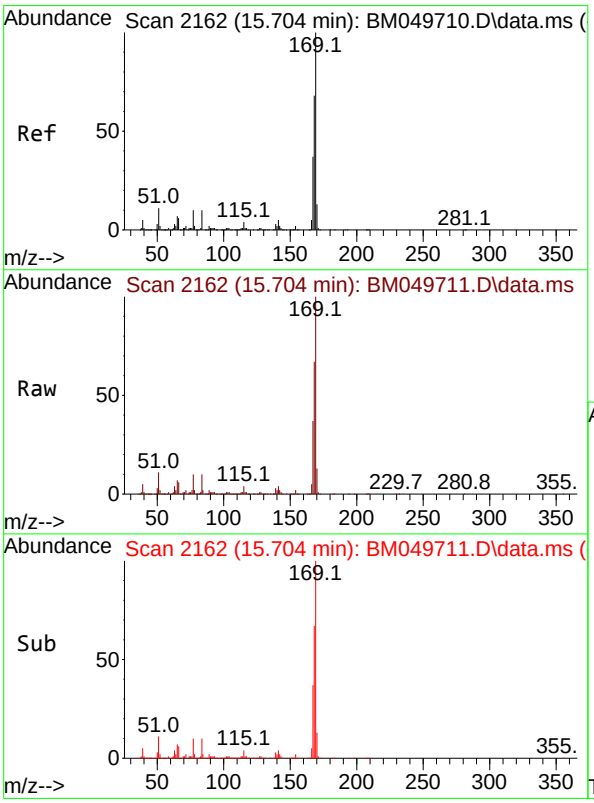
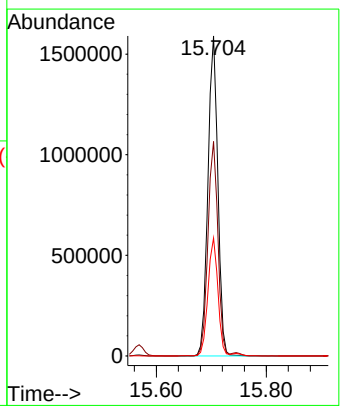


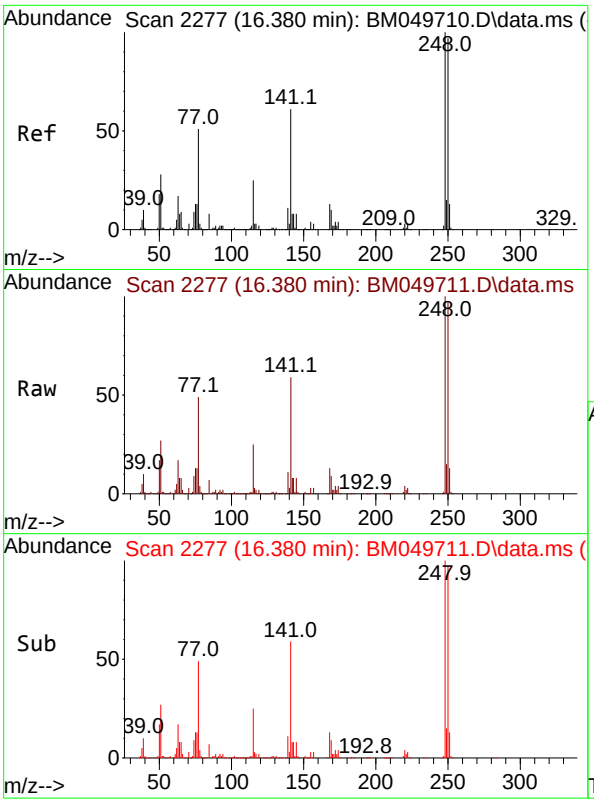


#66
n-Nitrosodiphenylamine
Concen: 53.109 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:169 Resp: 1980682

Ion	Ratio	Lower	Upper
169	100		
168	67.0	54.8	82.2
167	36.9	29.9	44.9





#67
4-Bromophenyl-phenylether
Concen: 53.896 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:248 Resp: 76595

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.9	116.9
141	59.1	48.6	73.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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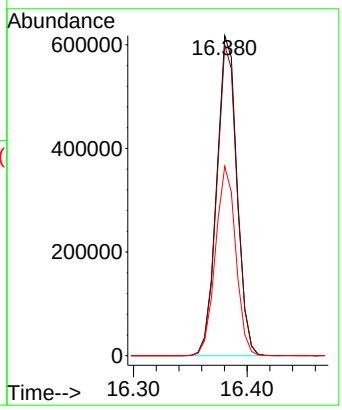
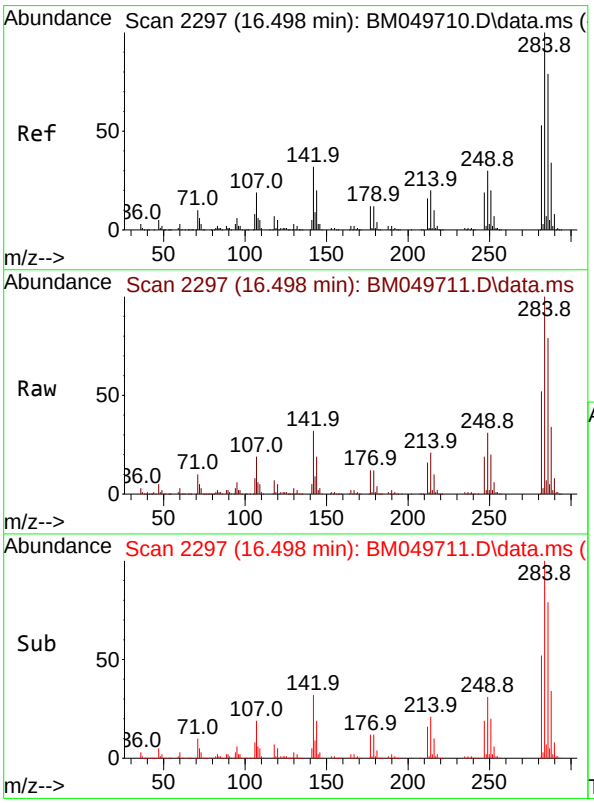
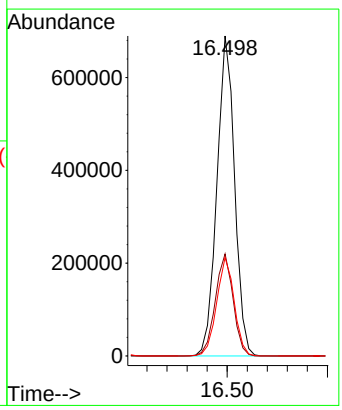


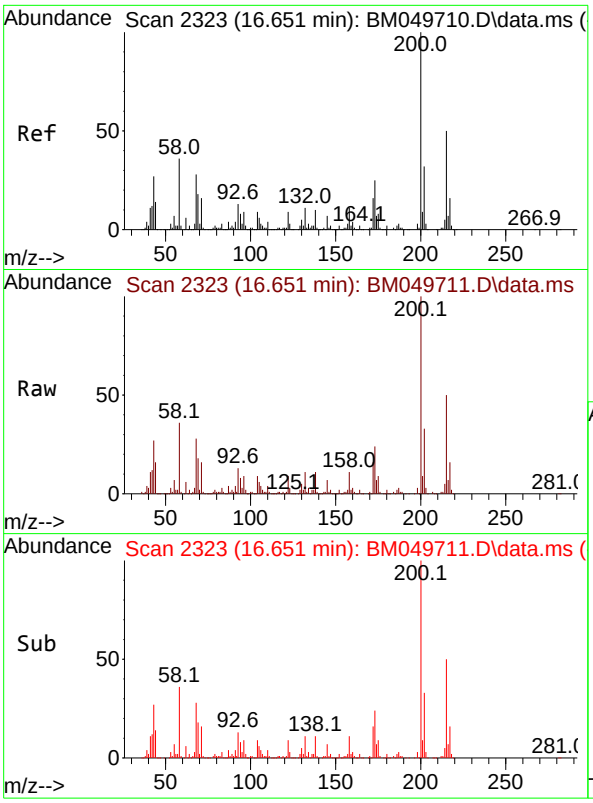


#68
Hexachlorobenzene
Concen: 52.726 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:284 Resp: 842630

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.5	38.3
249	30.8	24.2	36.2





#69
Atrazine
Concen: 36.748 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:200 Resp: 30203

Ion	Ratio	Lower	Upper
200	100		
173	24.3	5.4	45.4
215	50.0	29.8	69.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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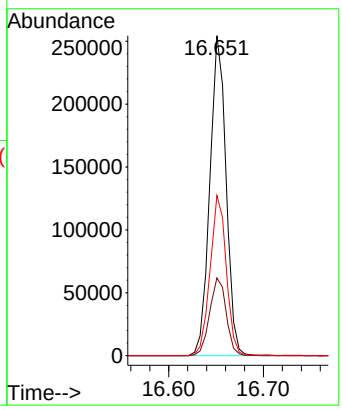
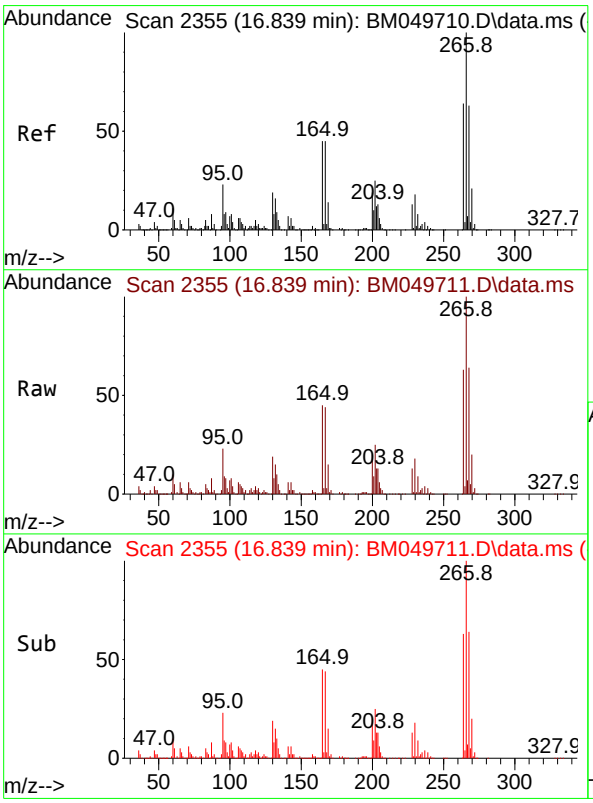
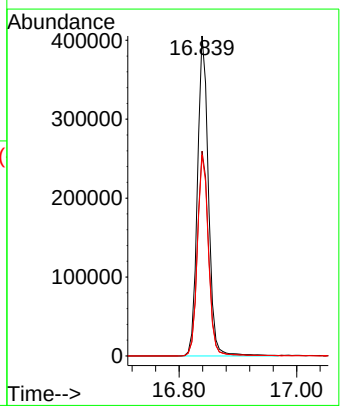


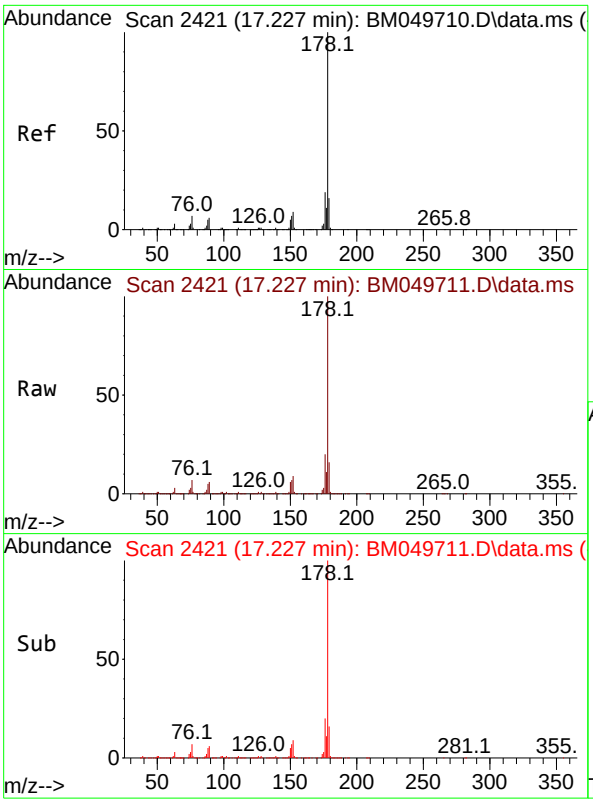


#70
Pentachlorophenol
Concen: 52.267 ng
RT: 16.839 min Scan# 2355
Delta R.T. 0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:266 Resp: 524923

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.2	75.2
264	62.8	51.3	76.9

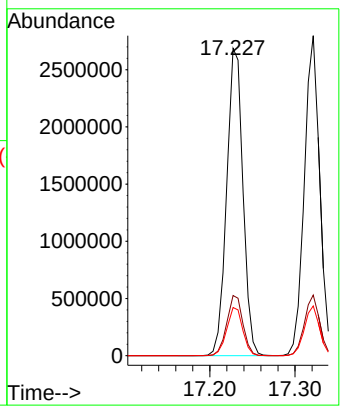




#71
Phenanthrene
Concen: 52.153 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:178 Resp: 356466

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.7	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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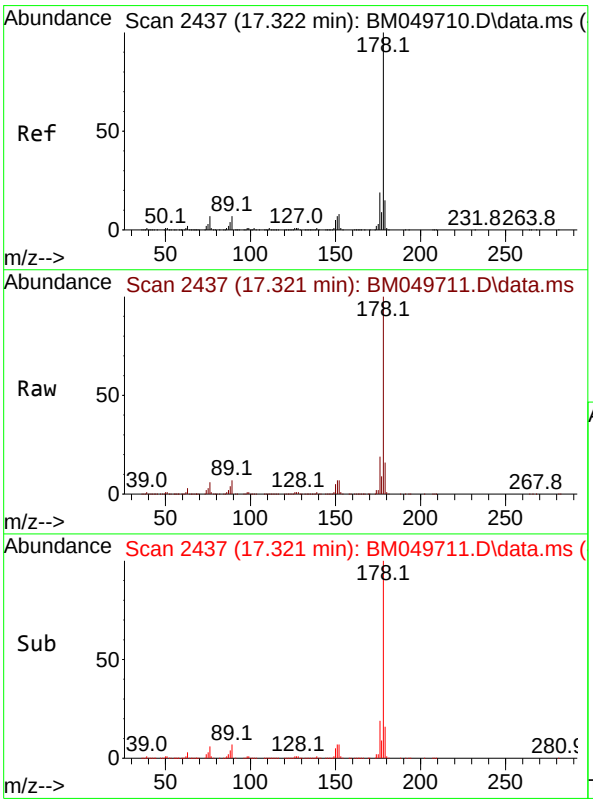
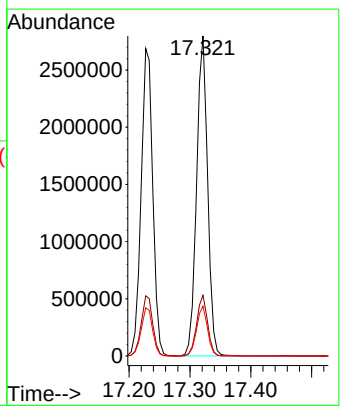
Supervised By :Jagrut Upadhyay 03/14/2025

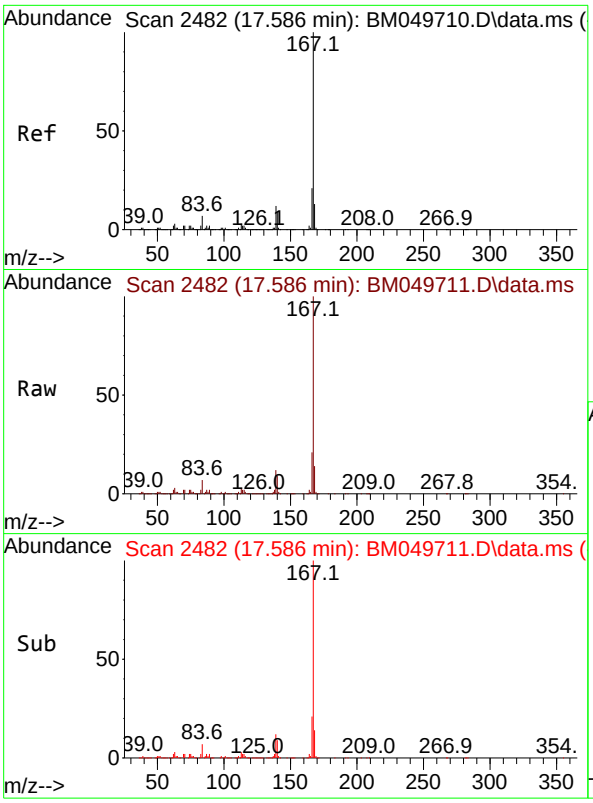


#72
Anthracene
Concen: 53.168 ng
RT: 17.321 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:178 Resp: 3519355

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.6	12.4	18.6

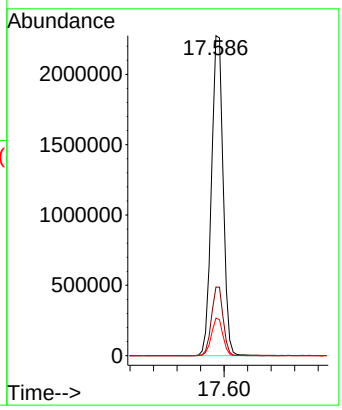




#73
Carbazole
Concen: 52.143 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:167 Resp: 312586

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	11.8	9.4	14.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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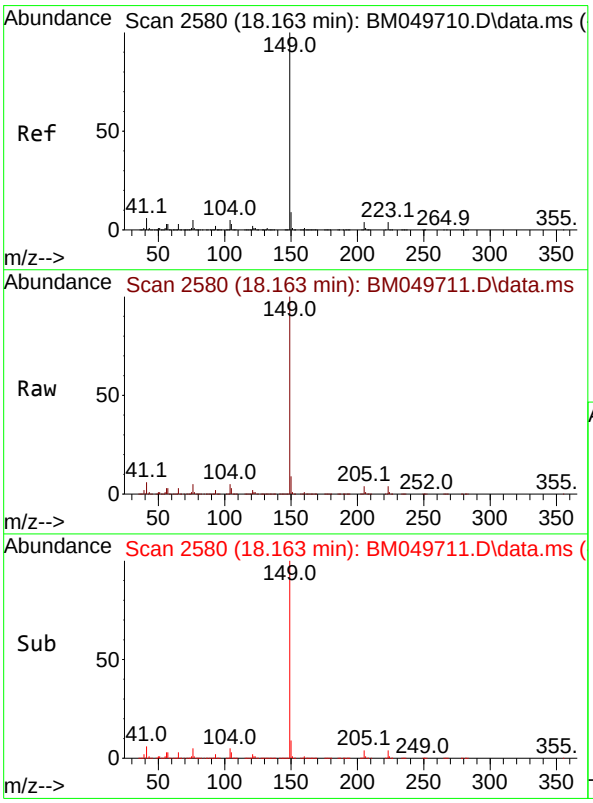
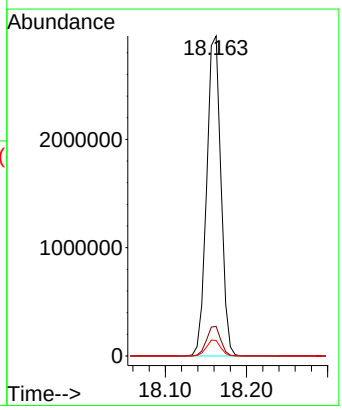
Supervised By :Jagrut Upadhyay 03/14/2025

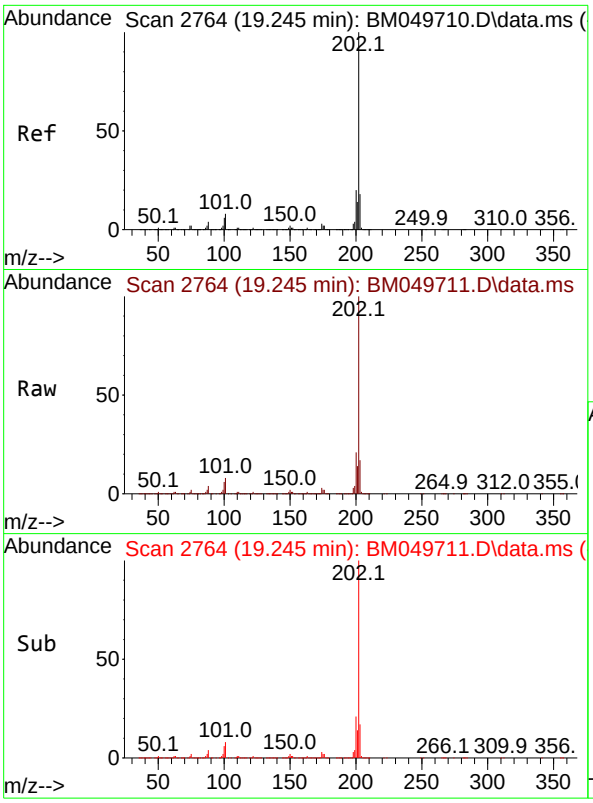


#74
Di-n-butylphthalate
Concen: 54.535 ng
RT: 18.163 min Scan# 2580
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 3583163

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	4.8	3.9	5.9

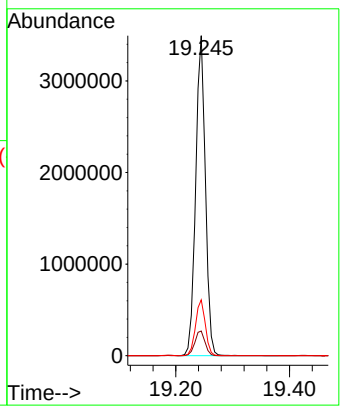




#75
Fluoranthene
Concen: 52.921 ng
RT: 19.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:202 Resp: 416442

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.8
203	17.4	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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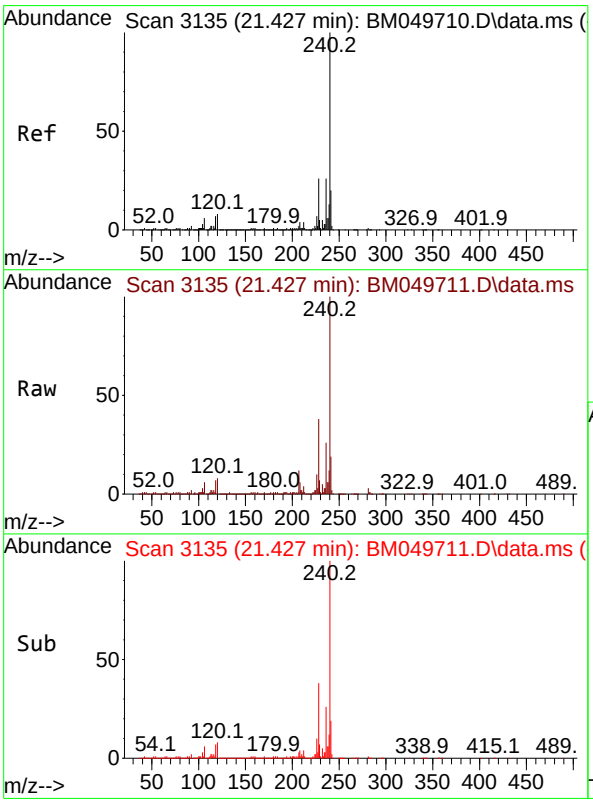
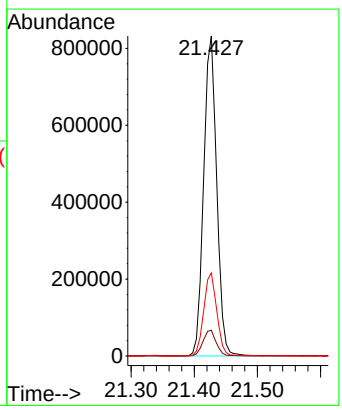
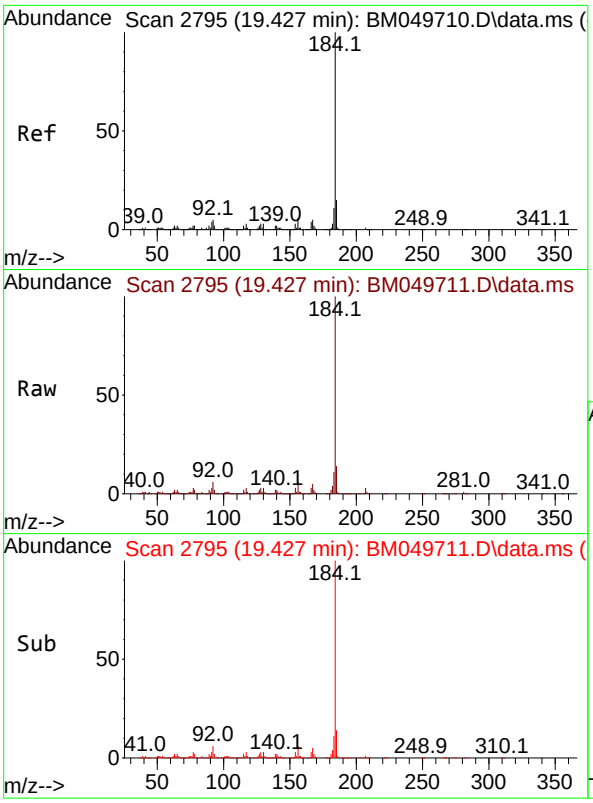


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:240 Resp: 1192033

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.5	9.7
236	25.9	20.7	31.1

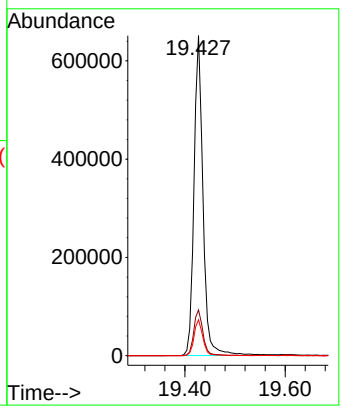




#77
Benzidine
Concen: 56.913 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:184 Resp: 81505

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.7	17.5
183	11.2	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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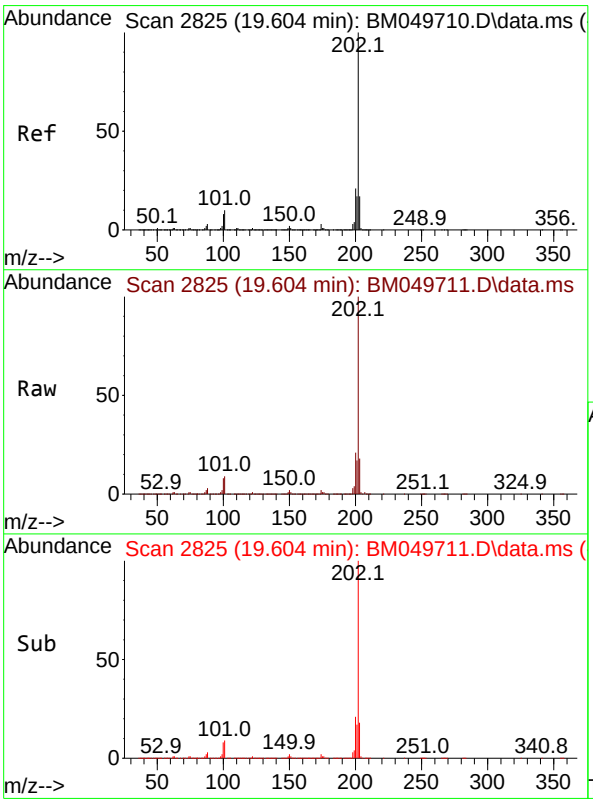
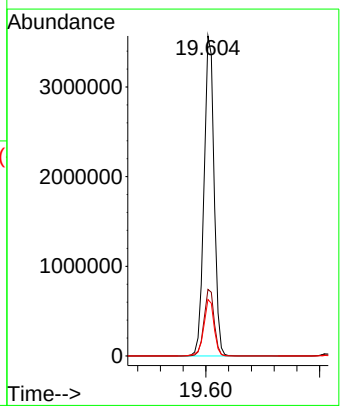
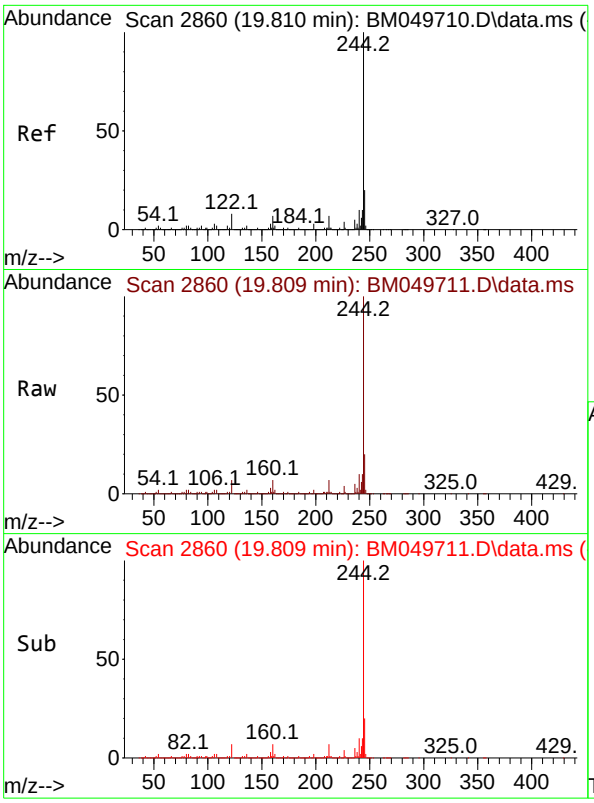


#78
Pyrene
Concen: 52.541 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:202 Resp: 4375693

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.7	14.0	21.0

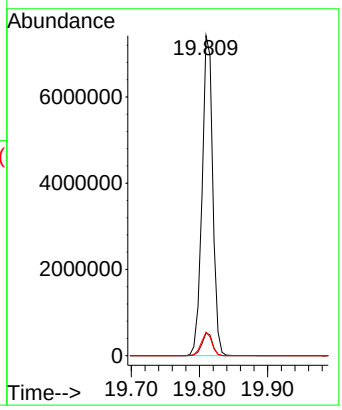




#79
Terphenyl-d14
Concen: 113.924 ng
RT: 19.809 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:244 Resp: 805880

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	7.4	6.0	9.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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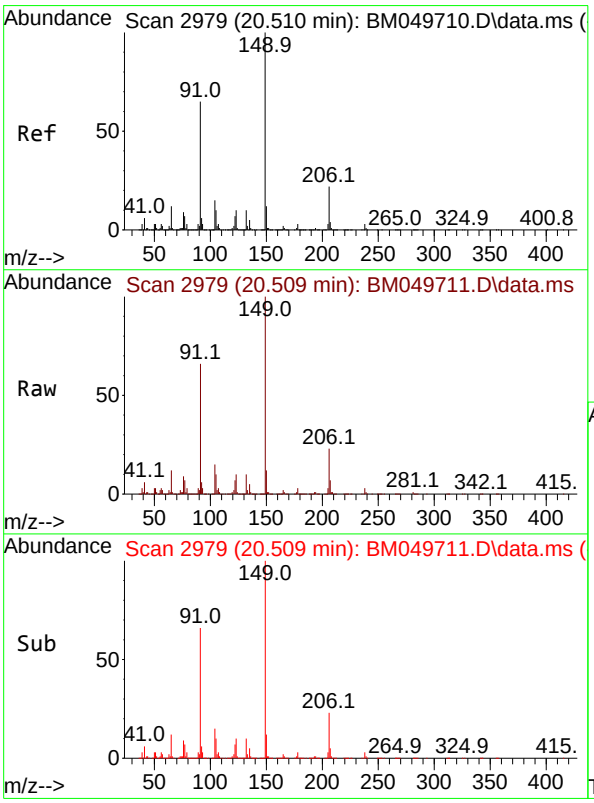
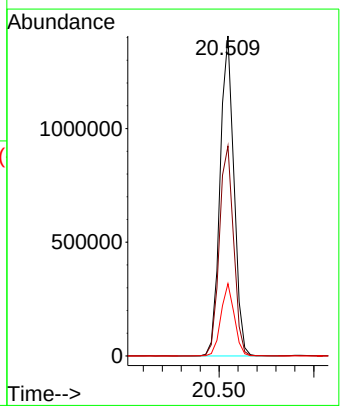
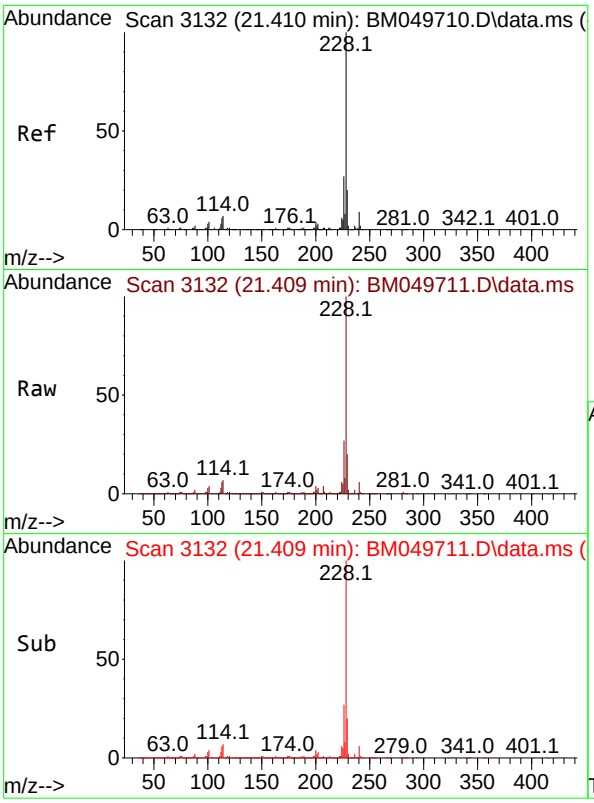


#80
Butylbenzylphthalate
Concen: 55.594 ng
RT: 20.509 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 1436857

Ion	Ratio	Lower	Upper
149	100		
91	65.6	52.2	78.4
206	22.6	17.6	26.4

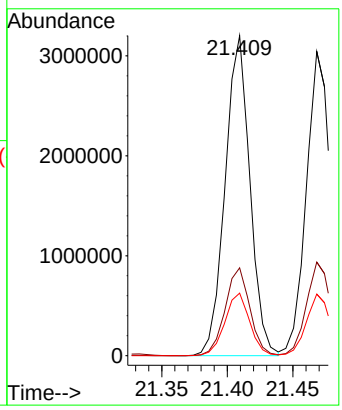




#81
Benzo(a)anthracene
Concen: 52.933 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:228 Resp: 421450

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	19.6	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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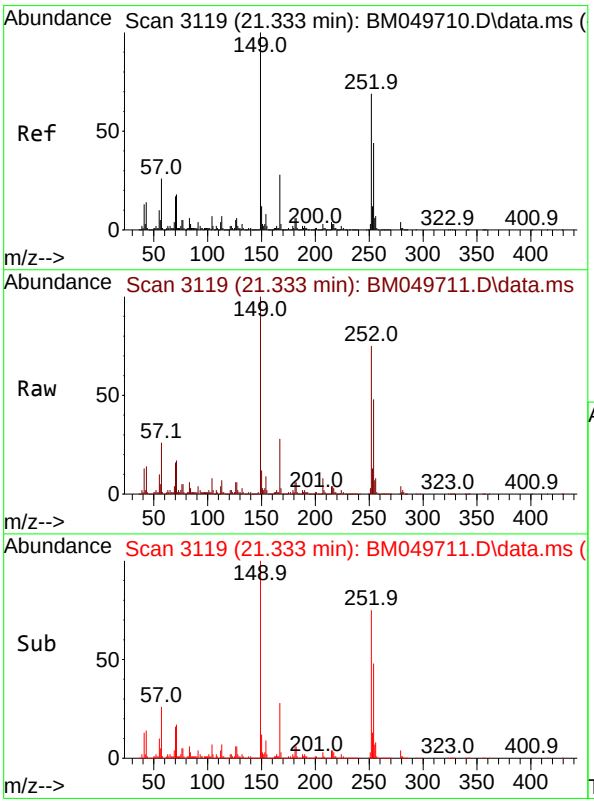
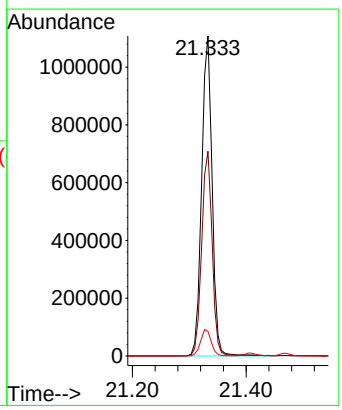
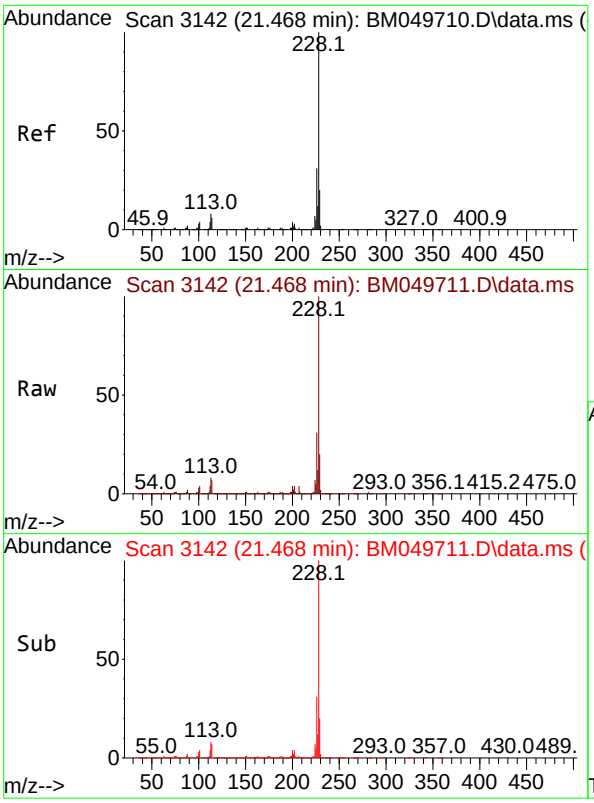


#82
3,3'-Dichlorobenzidine
Concen: 54.540 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:252 Resp: 1413811

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.4
126	7.7	6.3	9.5

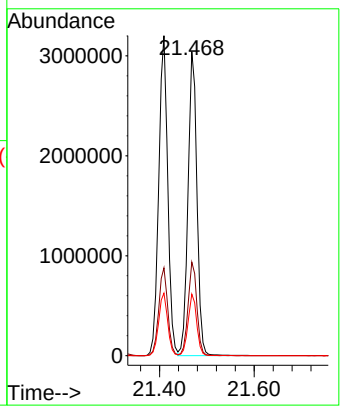




#83
Chrysene
Concen: 52.613 ng
RT: 21.468 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:228 Resp: 397099

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	20.3	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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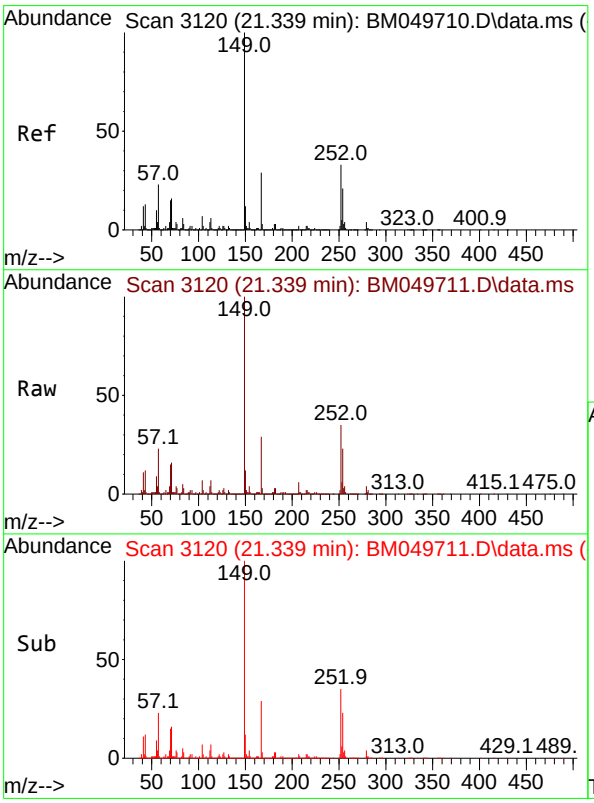
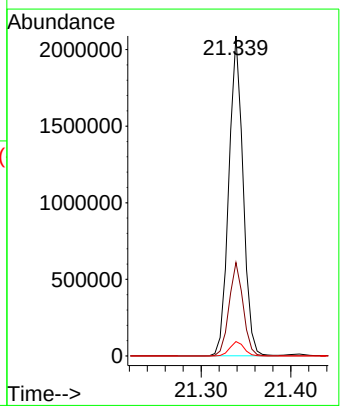
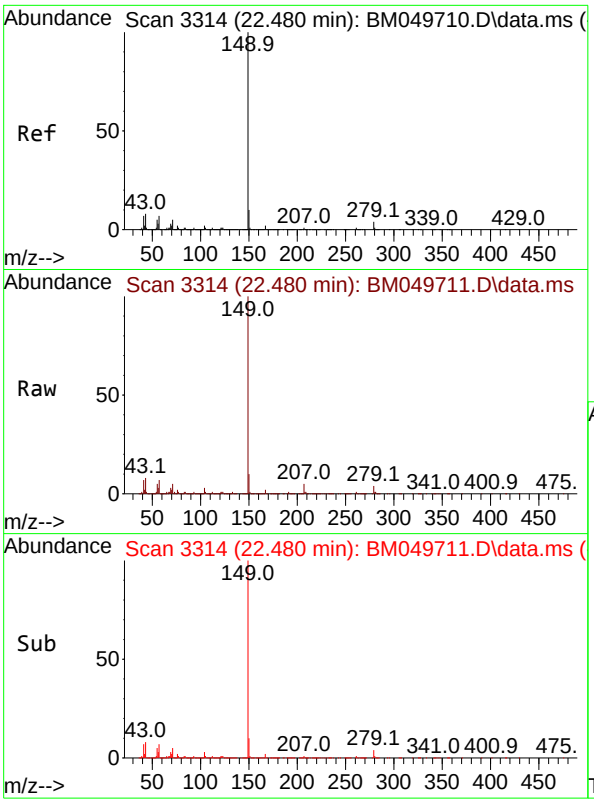


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.022 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 2296803

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.9	34.3
279	4.5	3.5	5.3

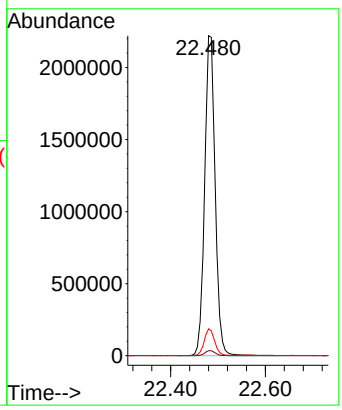




#85
Di-n-octyl phthalate
Concen: 54.543 ng
RT: 22.480 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 341466

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.8	10.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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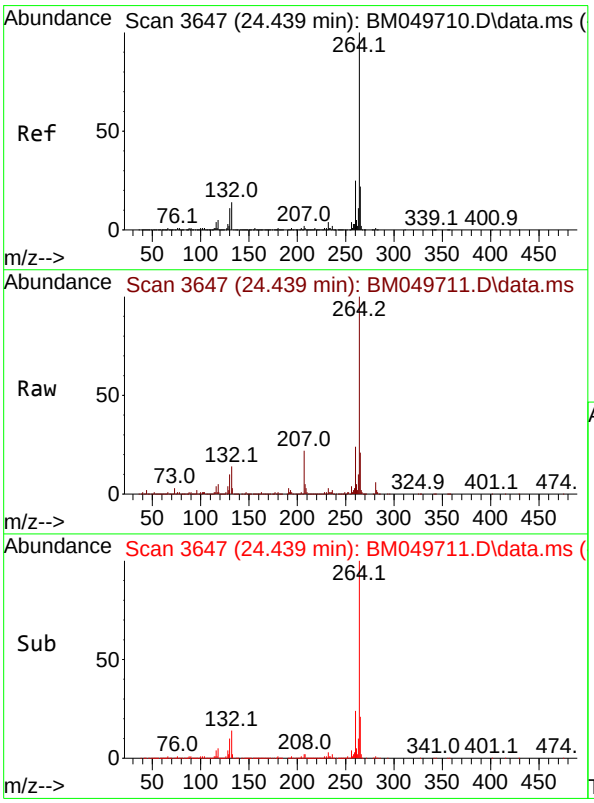
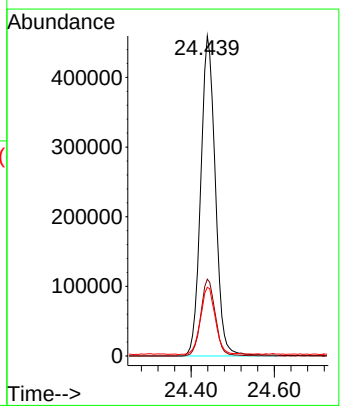
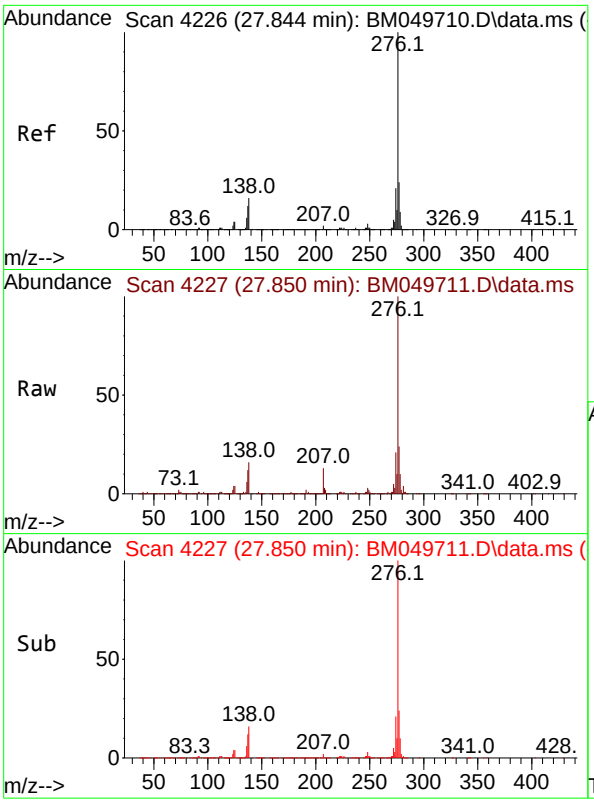


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.439 min Scan# 3647
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:264 Resp: 1121126

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	21.4	18.2	27.2

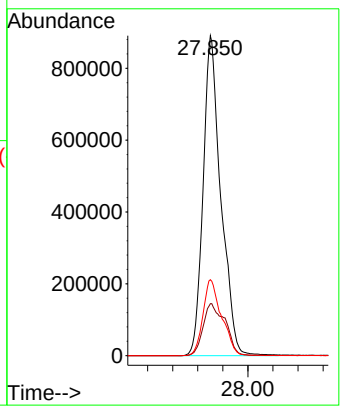




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.427 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:276 Resp: 439190

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.3	24.5
277	24.8	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

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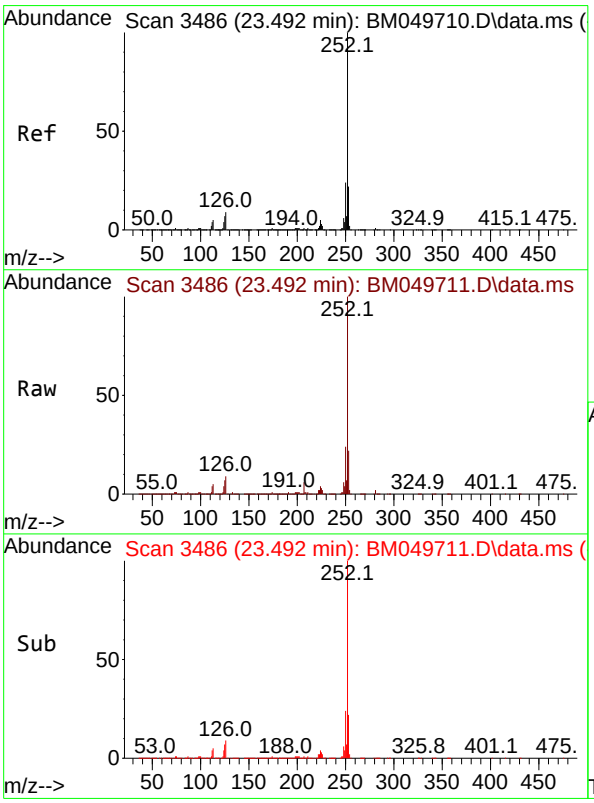
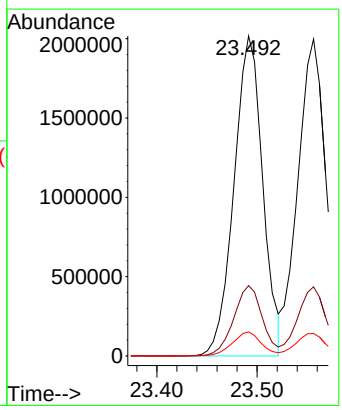
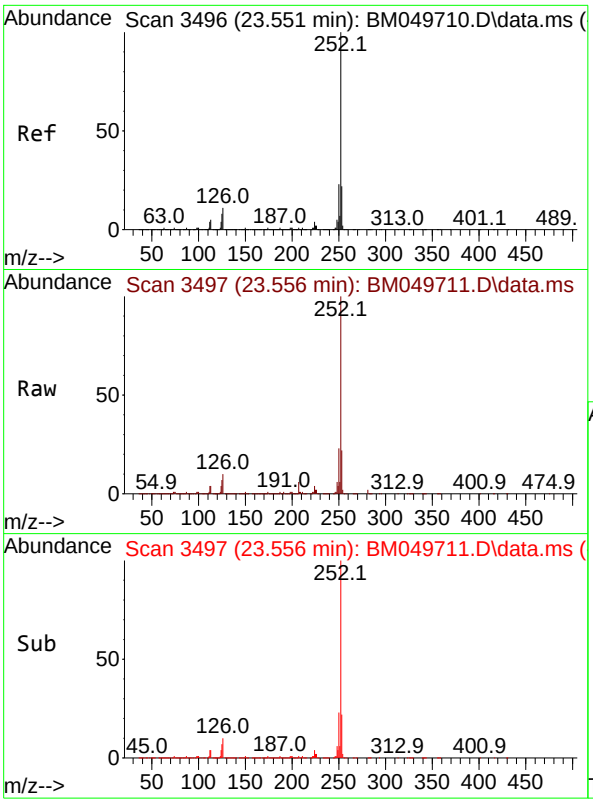


#88
Benzo(b)fluoranthene
Concen: 53.172 ng
RT: 23.492 min Scan# 3486
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:252 Resp: 4015121

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	7.5	5.9	8.9

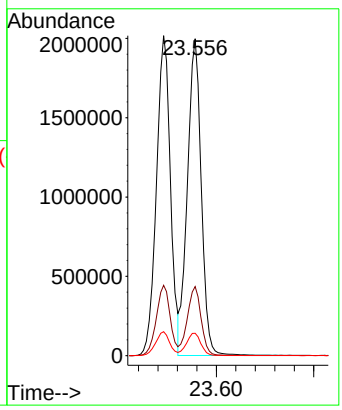




#89
Benzo(k)fluoranthene
Concen: 53.113 ng
RT: 23.556 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:252 Resp: 394646

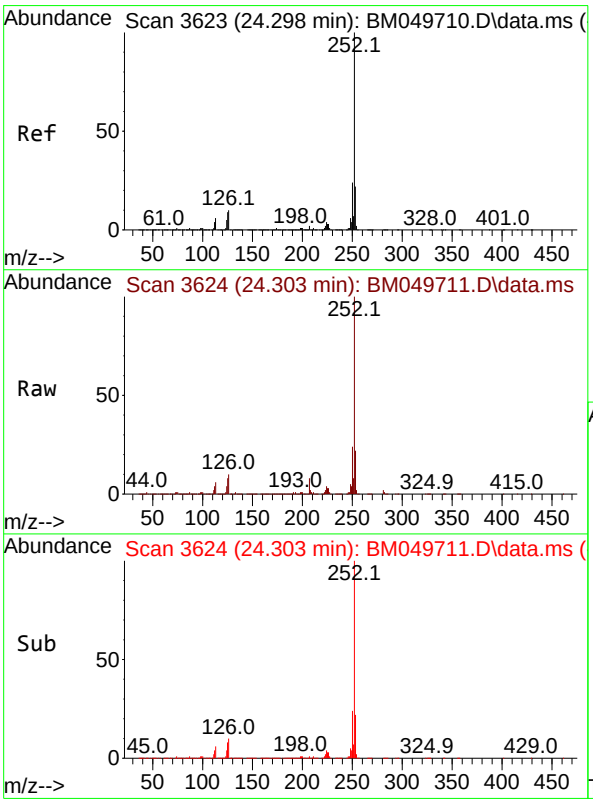
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	7.1	6.2	9.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

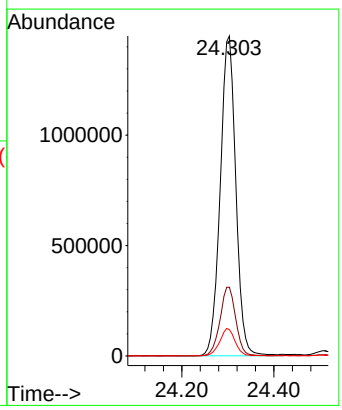
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

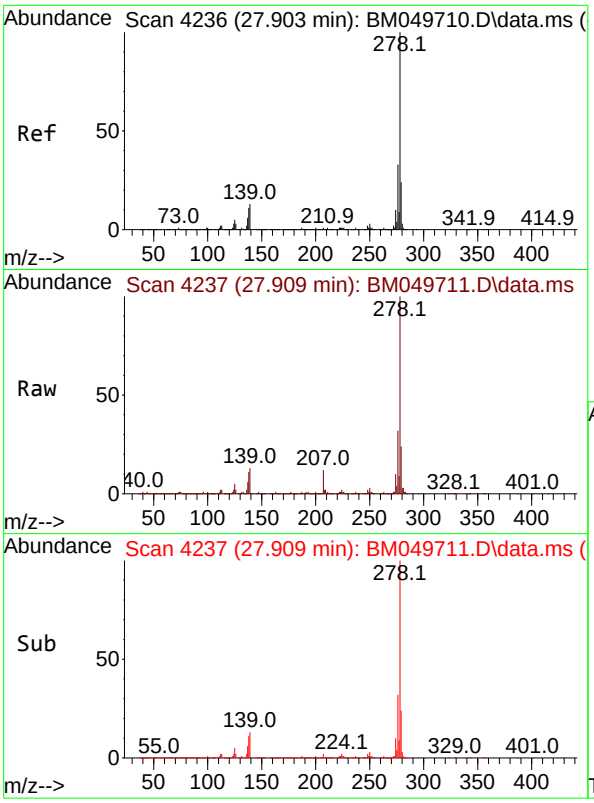


#90
Benzo(a)pyrene
Concen: 53.487 ng
RT: 24.303 min Scan# 3624
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:252 Resp: 3392495

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	8.2	7.0	10.6





#91
Dibenzo(a,h)anthracene
Concen: 54.170 ng
RT: 27.909 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

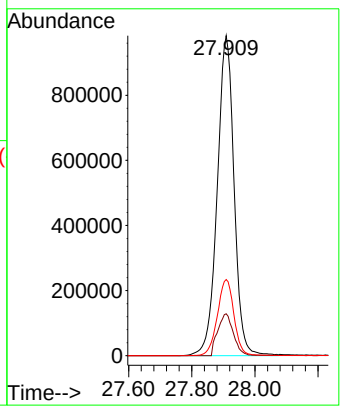
Tgt Ion:278 Resp: 364185

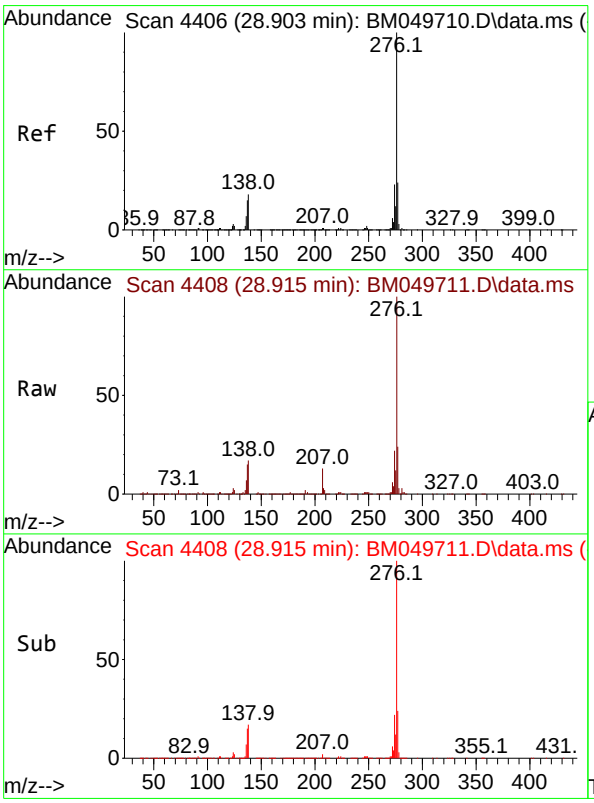
Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.1	15.1
279	23.8	19.1	28.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

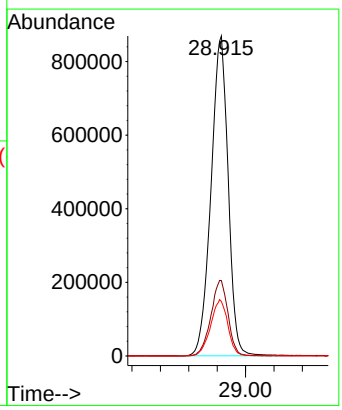




#92
Benzo(g,h,i)perylene
Concen: 53.651 ng
RT: 28.915 min Scan# 4408
Delta R.T. 0.012 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:276 Resp: 3633253

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	17.0	14.0	21.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049712.D
Acq On : 13 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 13 14:43:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	315799	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1024759	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	618823	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1169651	20.000	ng		0.00
76) Chrysene-d12	21.427	240	1173482	20.000	ng		0.00
86) Perylene-d12	24.438	264	1084370	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	2416717	129.126	ng		0.00
7) Phenol-d6	6.981	99	2994230	127.482	ng		0.00
23) Nitrobenzene-d5	8.963	82	2583706	129.447	ng		0.00
42) 2,4,6-Tribromophenol	15.933	330	1073944	148.622	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	6475865	131.059	ng		0.00
79) Terphenyl-d14	19.809	244	9673323	138.909	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	500669	61.795	ng		99
3) Pyridine	3.687	79	1281013m	61.832	ng		
4) n-Nitrosodimethylamine	3.593	42	568214	62.064	ng		99
6) Aniline	7.140	93	1180576	59.996	ng		99
8) 2-Chlorophenol	7.375	128	1161936	62.692	ng		99
9) Benzaldehyde	6.945	77	582373	50.156	ng		99
10) Phenol	7.010	94	1429401	62.763	ng		98
11) bis(2-Chloroethyl)ether	7.234	93	1137868	61.698	ng		99
12) 1,3-Dichlorobenzene	7.698	146	1393806	61.881	ng		99
13) 1,4-Dichlorobenzene	7.845	146	1404557	61.813	ng		99
14) 1,2-Dichlorobenzene	8.163	146	1324220	61.320	ng		98
15) Benzyl Alcohol	8.045	79	944038	64.048	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.345	45	1292162	59.613	ng		100
17) 2-Methylphenol	8.257	107	851393	62.967	ng		99
18) Hexachloroethane	8.892	117	493239	61.468	ng		93
19) n-Nitroso-di-n-propyla...	8.616	70	865717	63.565	ng		99
20) 3+4-Methylphenols	8.581	107	1147270	63.315	ng		98
22) Acetophenone	8.628	105	1686019	63.809	ng	#	99
24) Nitrobenzene	9.004	77	1197256	63.615	ng		99
25) Isophorone	9.533	82	1988098	64.875	ng		99
26) 2-Nitrophenol	9.716	139	556011	69.411	ng		100
27) 2,4-Dimethylphenol	9.781	122	669470	65.658	ng		97
28) bis(2-Chloroethoxy)met...	10.016	93	1353615	62.714	ng		100
29) 2,4-Dichlorophenol	10.257	162	1085297	65.322	ng		98
30) 1,2,4-Trichlorobenzene	10.469	180	1314305	63.227	ng		99
31) Naphthalene	10.651	128	3372239	63.997	ng		100
32) Benzoic acid	9.933	122	611385	70.482	ng		98
33) 4-Chloroaniline	10.763	127	1140961	63.446	ng		99
34) Hexachlorobutadiene	10.945	225	820160	63.912	ng		98
35) Caprolactam	11.551	113	267177	69.264	ng		98
36) 4-Chloro-3-methylphenol	11.892	107	952831	66.827	ng		99
37) 2-Methylnaphthalene	12.269	142	2360362	64.061	ng		100
38) 1-Methylnaphthalene	12.486	142	2278919	64.106	ng		99
40) 1,2,4,5-Tetrachloroben...	12.639	216	1483366	65.259	ng		99
41) Hexachlorocyclopentadiene	12.622	237	557389	66.191	ng		97
43) 2,4,6-Trichlorophenol	12.880	196	863951	67.864	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049712.D
Acq On : 13 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:43:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	936029	67.377	ng	99
46) 1,1'-Biphenyl	13.280	154	3048618	63.921	ng	99
47) 2-Chloronaphthalene	13.321	162	2381008	64.138	ng	99
48) 2-Nitroaniline	13.521	65	578552	69.424	ng	99
49) Acenaphthylene	14.168	152	3384598	65.227	ng	99
50) Dimethylphthalate	13.910	163	2716983	63.771	ng	99
51) 2,6-Dinitrotoluene	14.021	165	563727	66.034	ng	95
52) Acenaphthene	14.510	154	2217160	65.221	ng	99
53) 3-Nitroaniline	14.345	138	556379	68.488	ng	98
54) 2,4-Dinitrophenol	14.551	184	295154	60.822	ng	97
55) Dibenzofuran	14.845	168	3632034	64.040	ng	99
56) 4-Nitrophenol	14.663	139	477486	67.524	ng	99
57) 2,4-Dinitrotoluene	14.804	165	763894	69.539	ng	99
58) Fluorene	15.492	166	3055405	66.168	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.074	232	777060	66.821	ng	100
60) Diethylphthalate	15.274	149	2576429	64.207	ng	99
61) 4-Chlorophenyl-phenyle...	15.492	204	1674356	66.402	ng	98
62) 4-Nitroaniline	15.510	138	598859	60.865	ng	97
63) Azobenzene	15.780	77	2482118	64.760	ng	100
65) 4,6-Dinitro-2-methylph...	15.568	198	417995	61.103	ng	96
66) n-Nitrosodiphenylamine	15.704	169	2302780	64.980	ng	100
67) 4-Bromophenyl-phenylether	16.380	248	881819	65.299	ng	99
68) Hexachlorobenzene	16.498	284	986543	64.964	ng	99
70) Pentachlorophenol	16.839	266	647404	67.839	ng	98
71) Phenanthrene	17.227	178	4268082	65.716	ng	100
72) Anthracene	17.321	178	4187832	66.580	ng	100
73) Carbazole	17.592	167	3826935	67.182	ng	99
74) Di-n-butylphthalate	18.162	149	4214218	67.499	ng	99
75) Fluoranthene	19.245	202	5199093	69.531	ng	100
77) Benzidine	19.427	184	771546	54.727	ng	99
78) Pyrene	19.609	202	5421531	66.127	ng	100
80) Butylbenzylphthalate	20.509	149	1729836	67.988	ng	100
81) Benzo(a)anthracene	21.409	228	5145212	65.644	ng	99
82) 3,3'-Dichlorobenzidine	21.333	252	1687314	66.120	ng	99
83) Chrysene	21.474	228	4892160	65.843	ng	100
84) Bis(2-ethylhexyl)phtha...	21.339	149	2633480	66.414	ng	99
85) Di-n-octyl phthalate	22.480	149	3977588	64.539	ng	99
87) Indeno(1,2,3-cd)pyrene	27.856	276	5301272	67.923	ng	100
88) Benzo(b)fluoranthene	23.491	252	4904977	67.158	ng	100
89) Benzo(k)fluoranthene	23.556	252	4810286	66.934	ng	99
90) Benzo(a)pyrene	24.303	252	4164433	67.883	ng	99
91) Dibenzo(a,h)anthracene	27.909	278	4403728	67.722	ng	99
92) Benzo(g,h,i)perylene	28.915	276	4374098	66.781	ng	99

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

ICAL Form

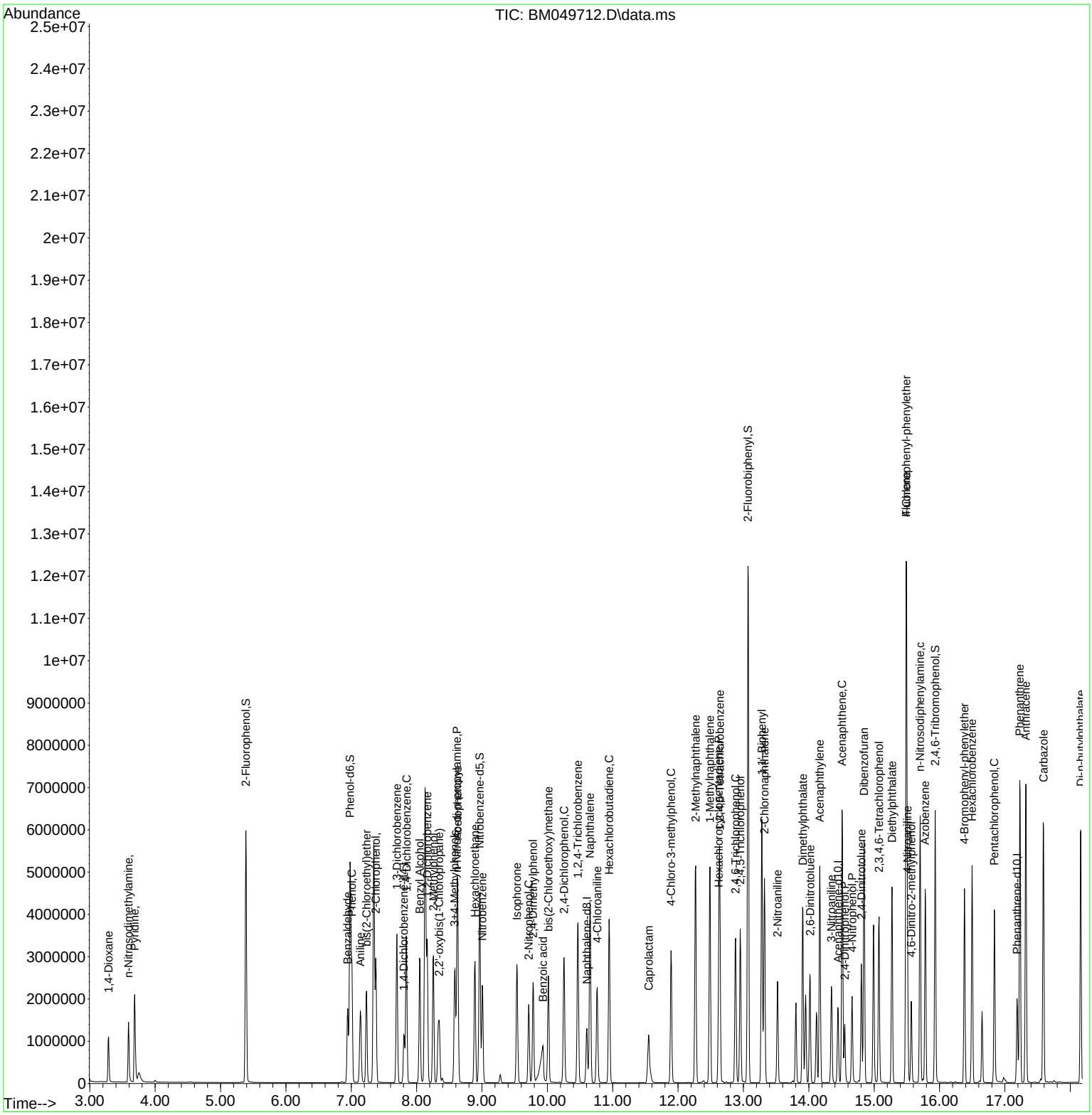
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049712.D
Acq On : 13 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 13 14:43:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049712.D
Acq On : 13 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 13 14:43:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
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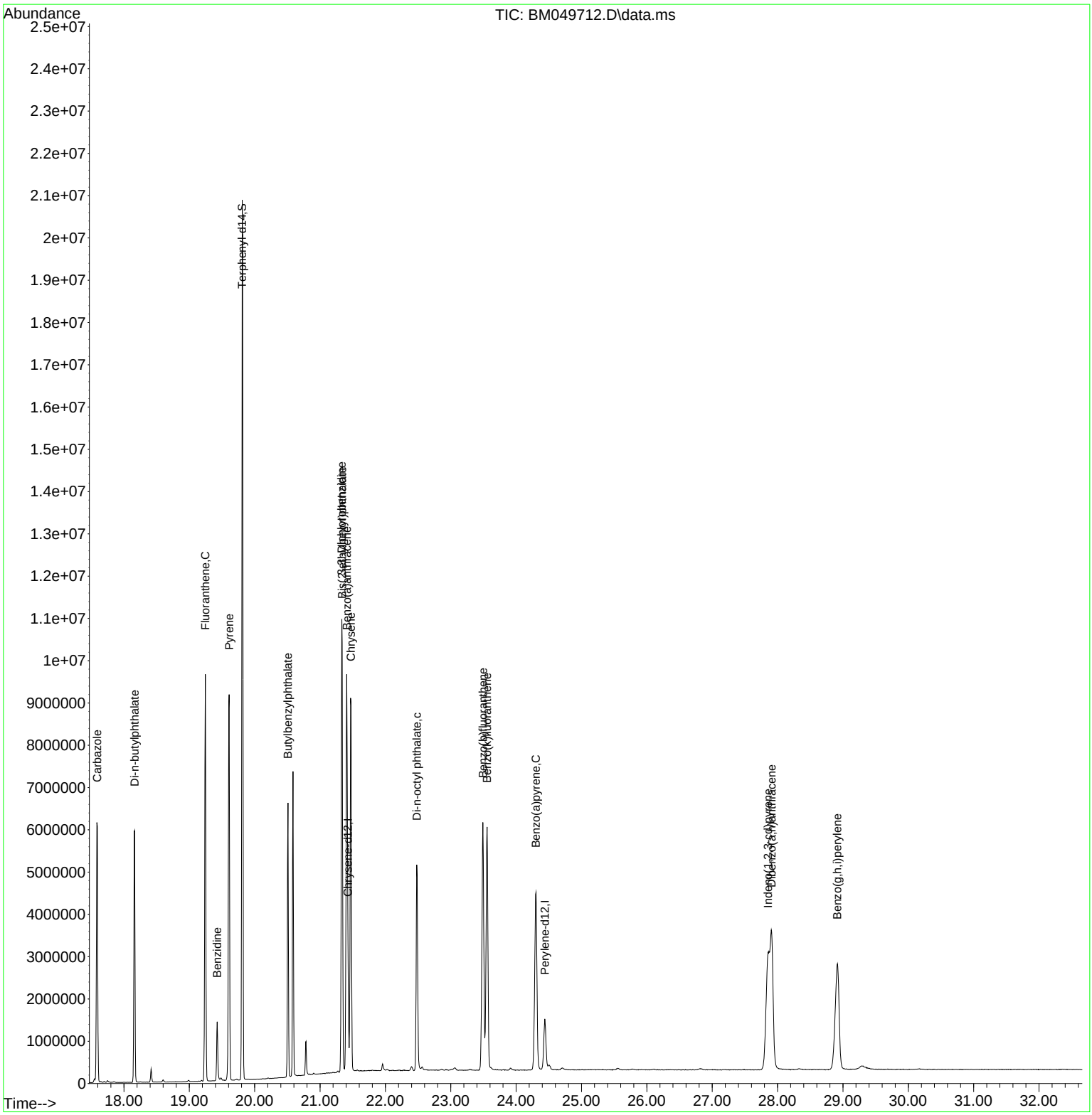
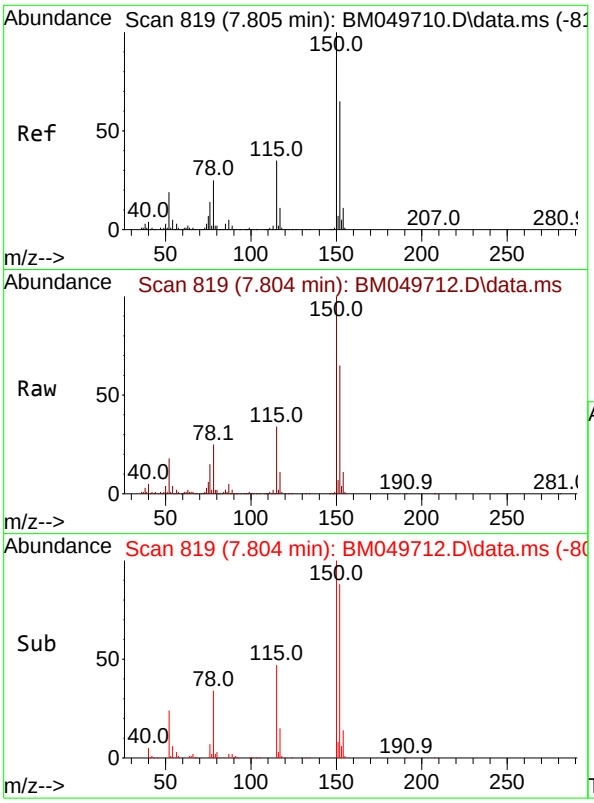
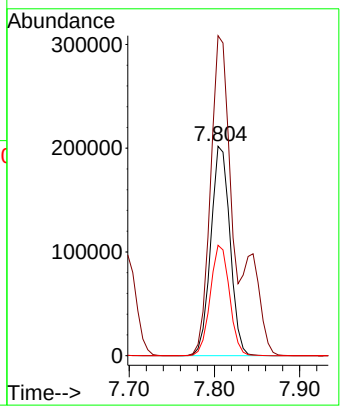




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.001 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:152 Resp: 31579

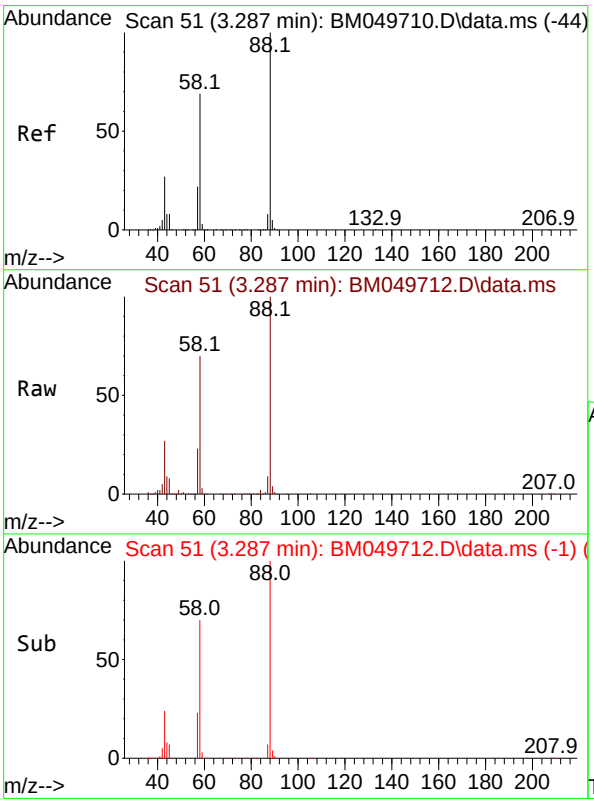
Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.8	185.8
115	52.7	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

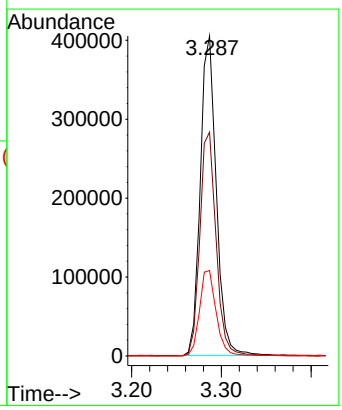
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

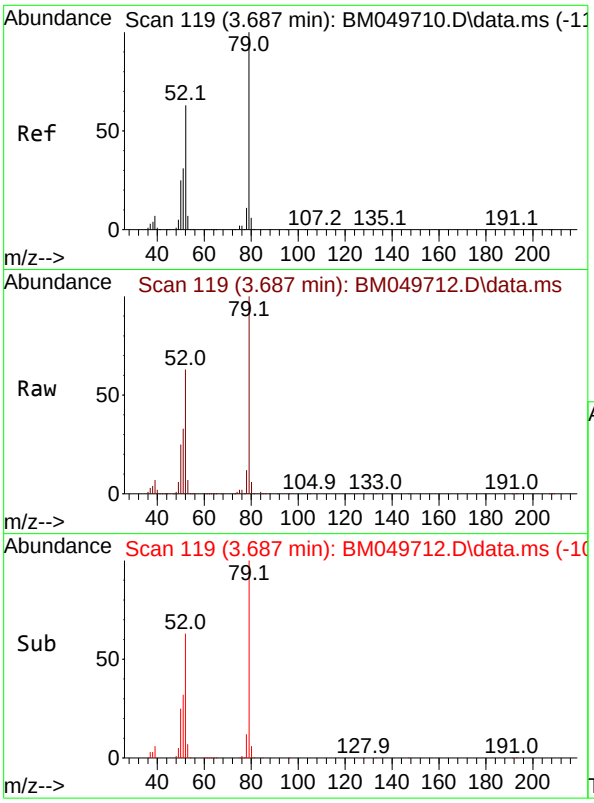


#2
1,4-Dioxane
Concen: 61.795 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 88 Resp: 500669

Ion	Ratio	Lower	Upper
88	100		
58	71.5	56.7	85.1
43	27.9	22.6	34.0

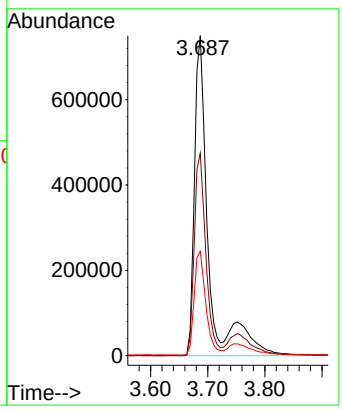




#3
Pyridine
Concen: 61.832 ng m
RT: 3.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 79 Resp: 128101

Ion	Ratio	Lower	Upper
79	100		
52	63.3	50.1	75.1
51	32.6	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
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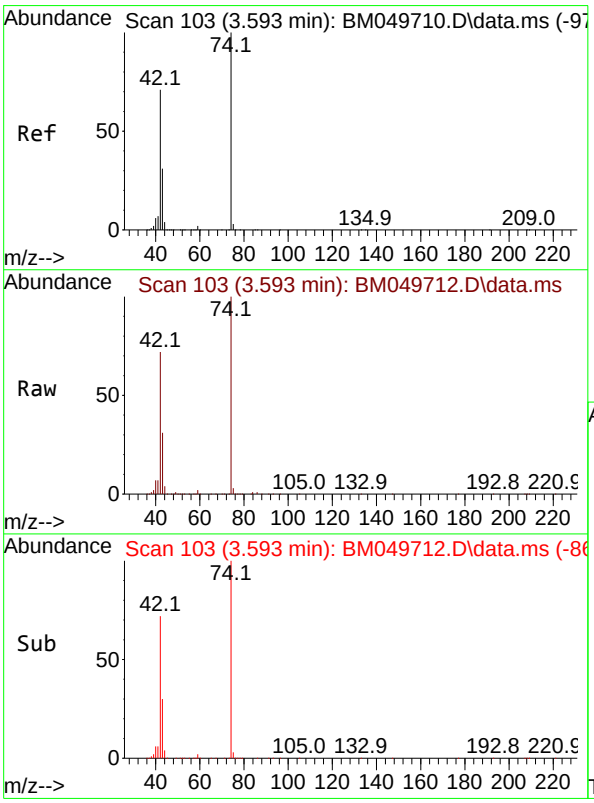
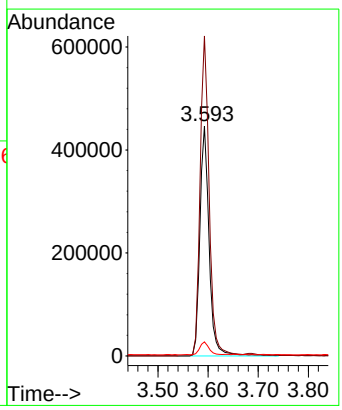
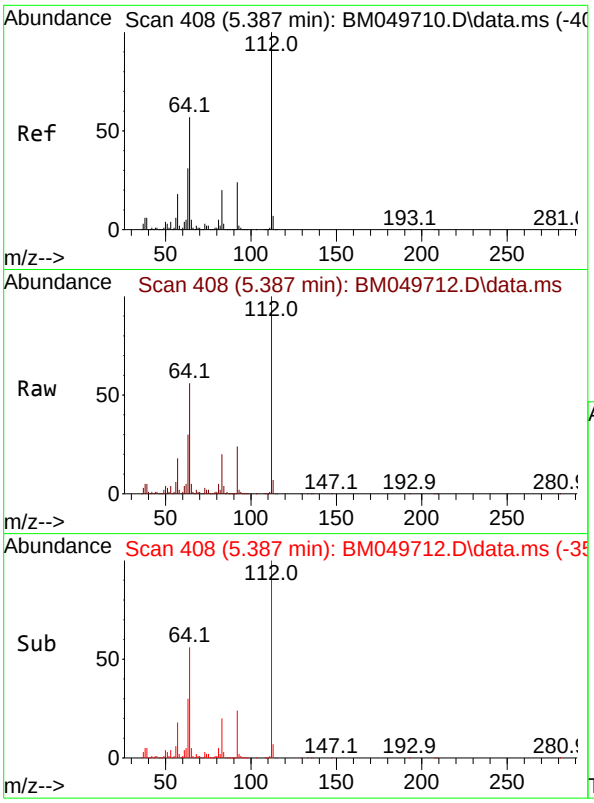


#4
n-Nitrosodimethylamine
Concen: 62.064 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 42 Resp: 568214

Ion	Ratio	Lower	Upper
42	100		
74	139.3	112.6	168.8
44	6.1	5.0	7.6

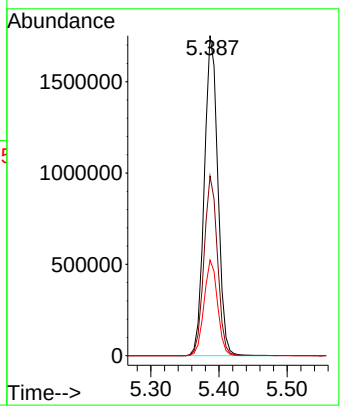




#5
2-Fluorophenol
Concen: 129.126 ng
RT: 5.387 min Scan# 40
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:112 Resp: 241671

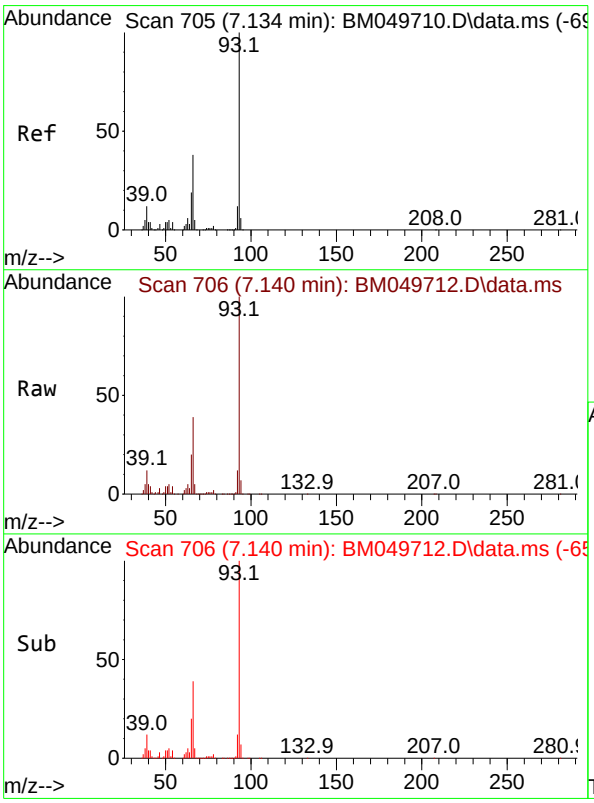
Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.3	67.9
63	29.9	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

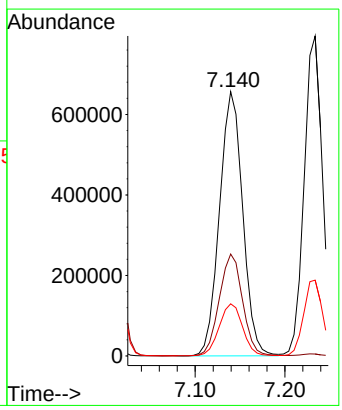
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

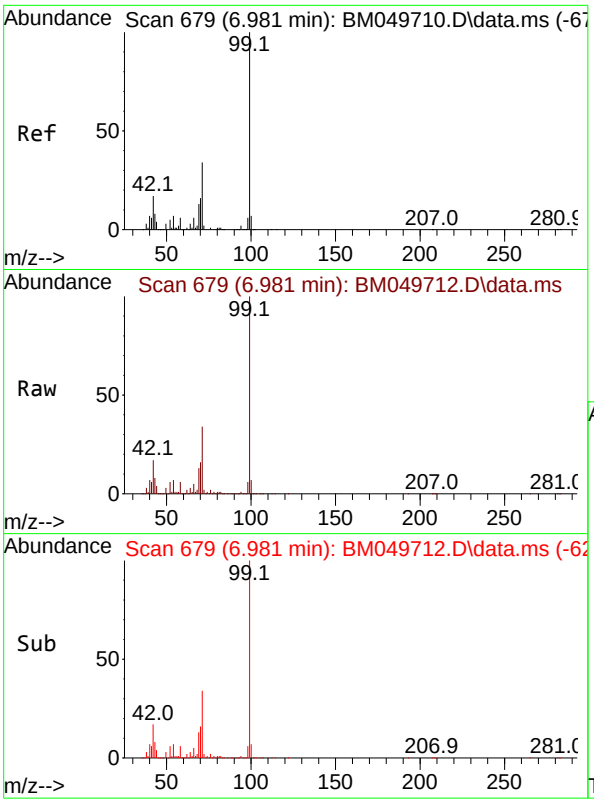


#6
Aniline
Concen: 59.996 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 93 Resp: 1180576

Ion	Ratio	Lower	Upper
93	100		
66	38.6	30.6	46.0
65	19.8	15.4	23.2

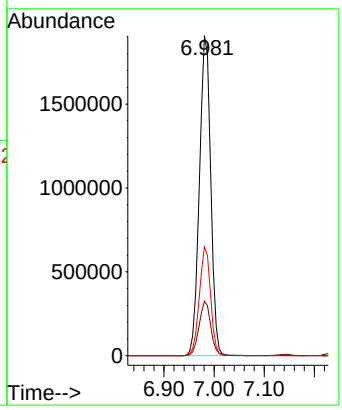




#7
Phenol-d6
Concen: 127.482 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 99 Resp: 299423

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.6	20.4
71	34.0	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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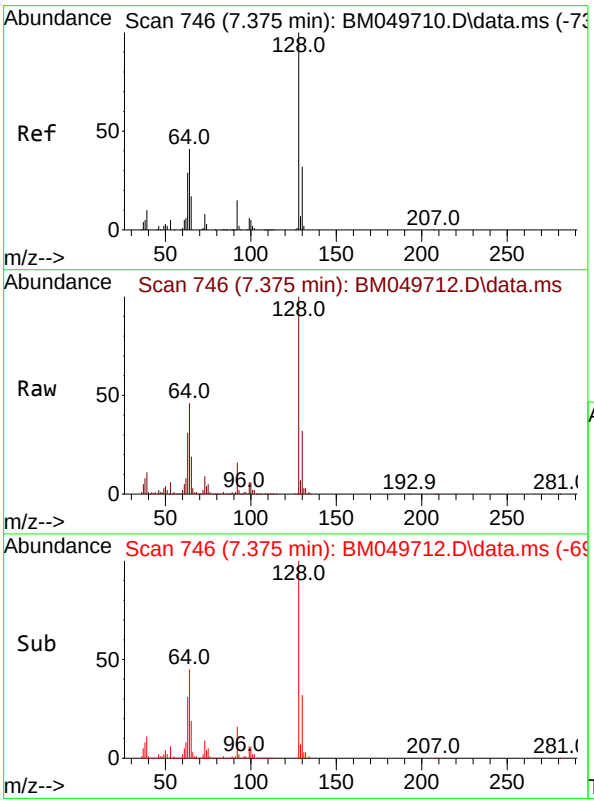
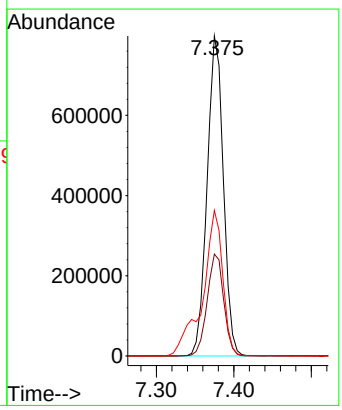
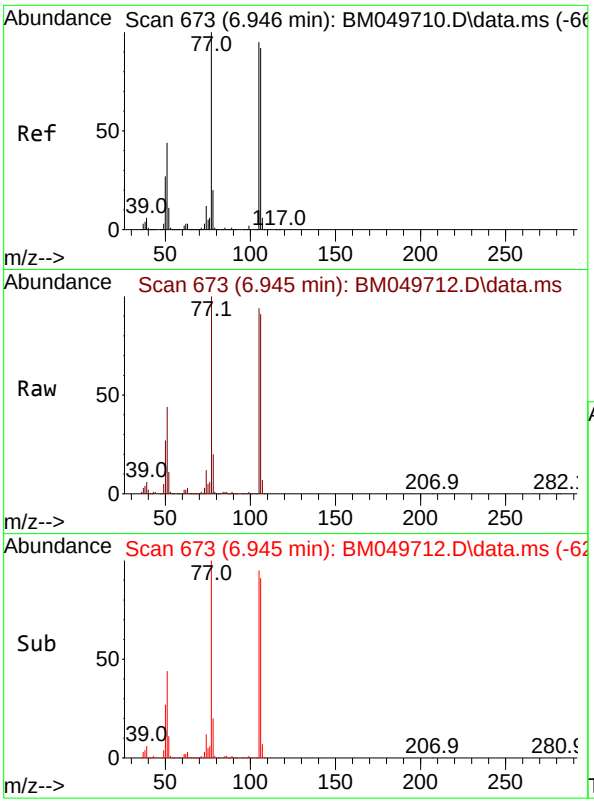


#8
2-Chlorophenol
Concen: 62.692 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:128 Resp: 1161936

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.5	52.5
64	45.5	24.9	64.9

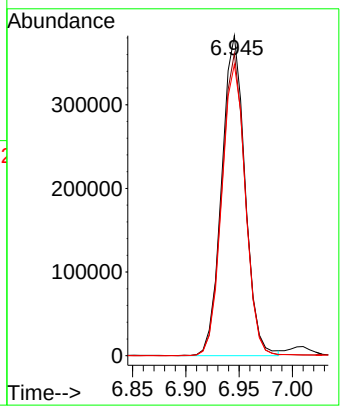




#9
Benzaldehyde
Concen: 50.156 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.001 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 77 Resp: 58237

Ion	Ratio	Lower	Upper
77	100		
105	94.5	75.0	115.0
106	91.0	72.3	112.3



Instrument :
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ClientSampleId :
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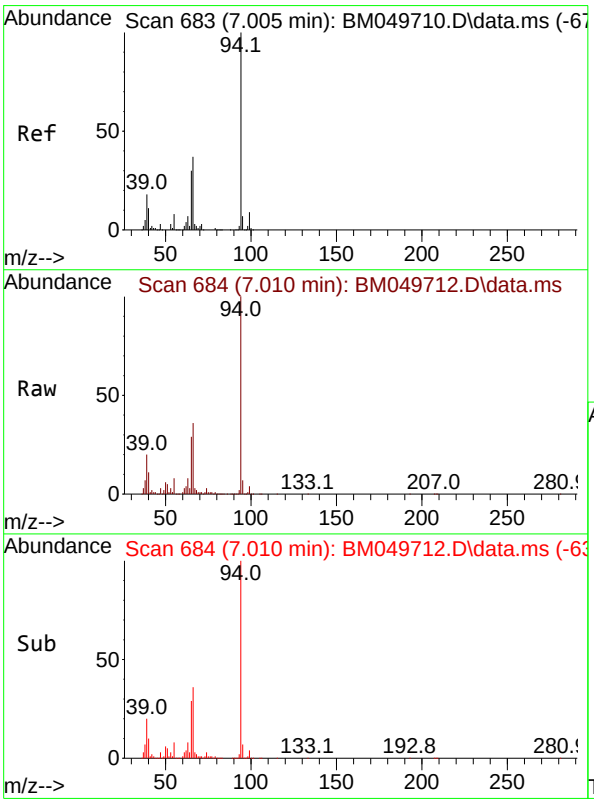
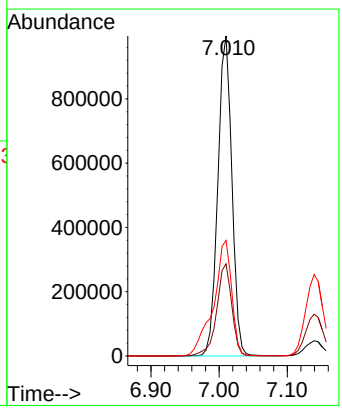
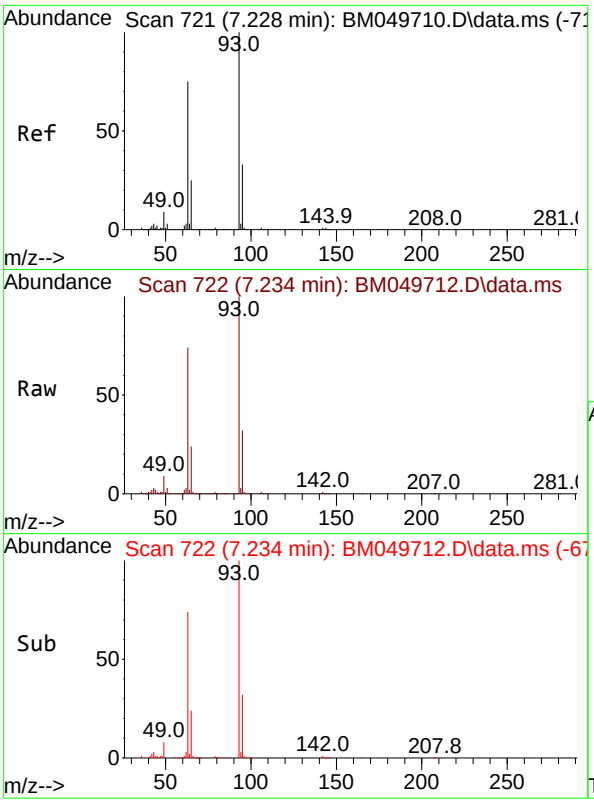


#10
Phenol
Concen: 62.763 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 94 Resp: 1429401

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.4	50.4
66	36.1	17.1	57.1

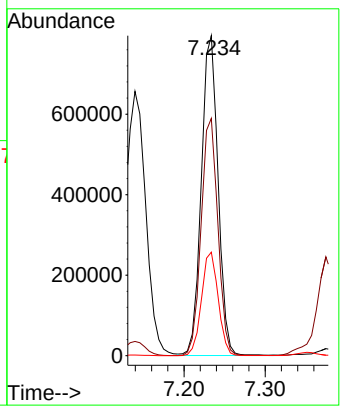




#11
bis(2-Chloroethyl)ether
Concen: 61.698 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 93 Resp: 113786

Ion	Ratio	Lower	Upper
93	100		
63	74.2	54.8	94.8
95	32.4	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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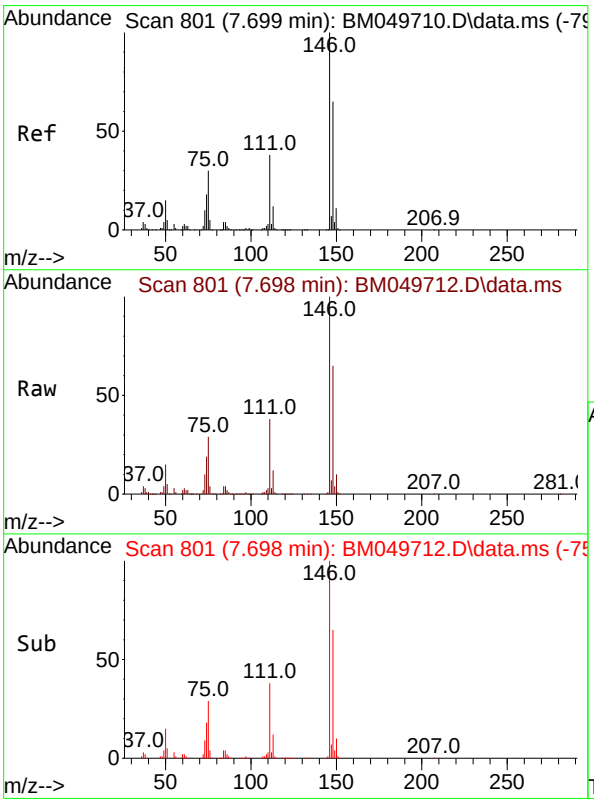
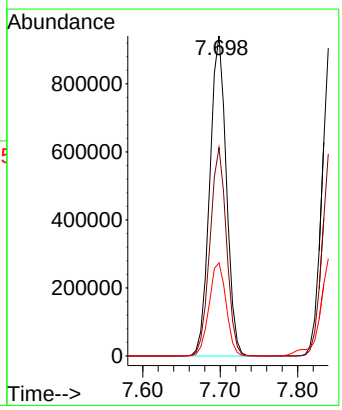
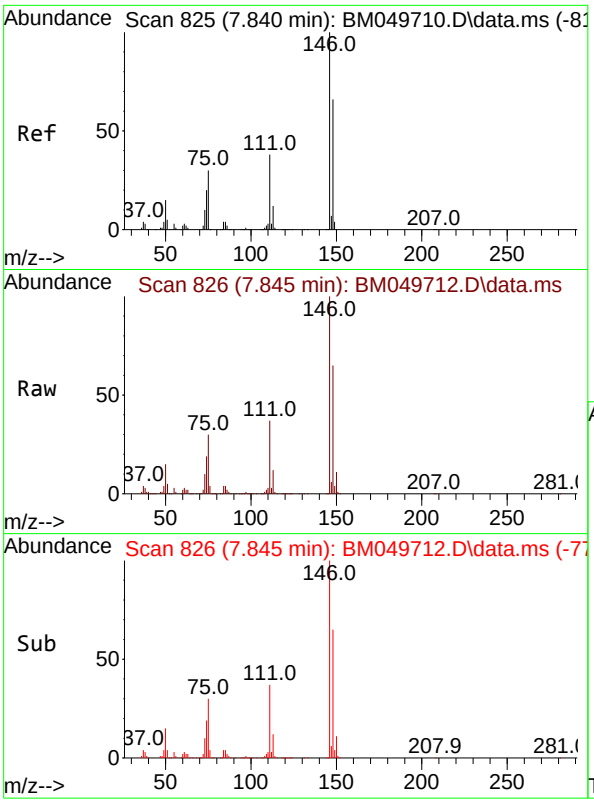


#12
1,3-Dichlorobenzene
Concen: 61.881 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:146 Resp: 1393806

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.3	78.5
75	29.1	24.2	36.2

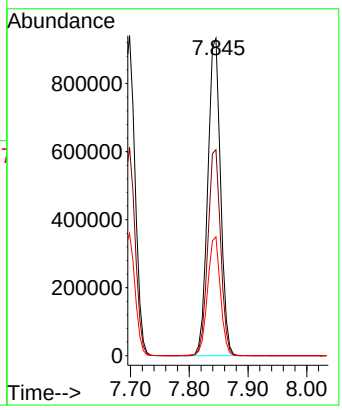




#13
1,4-Dichlorobenzene
Concen: 61.813 ng
RT: 7.845 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:146 Resp: 140455

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.6	79.0
111	37.4	30.8	46.2



Instrument :
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ClientSampleId :
SSTDICC060

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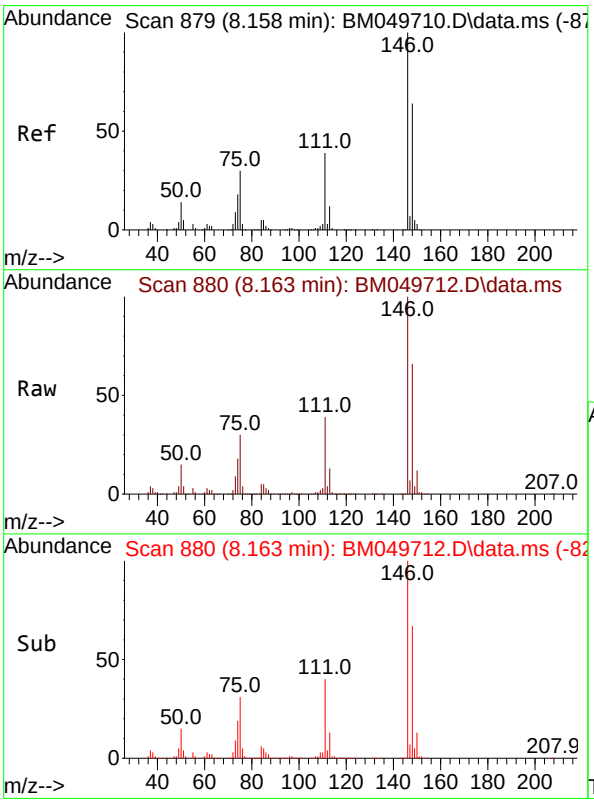
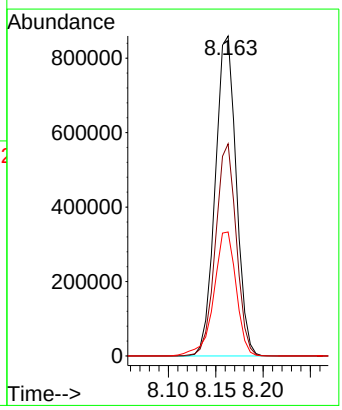
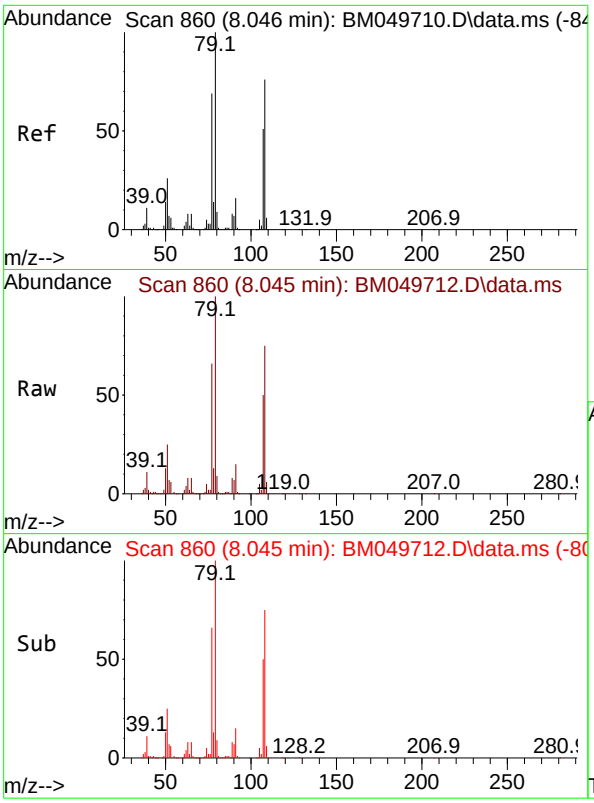


#14
1,2-Dichlorobenzene
Concen: 61.320 ng
RT: 8.163 min Scan# 880
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:146 Resp: 1324220

Ion	Ratio	Lower	Upper
146	100		
148	66.3	50.9	76.3
111	38.8	31.0	46.6





#15
Benzyl Alcohol
Concen: 64.048 ng
RT: 8.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 79 Resp: 94403

Ion	Ratio	Lower	Upper
79	100		
108	75.3	60.7	91.1
77	66.3	55.4	83.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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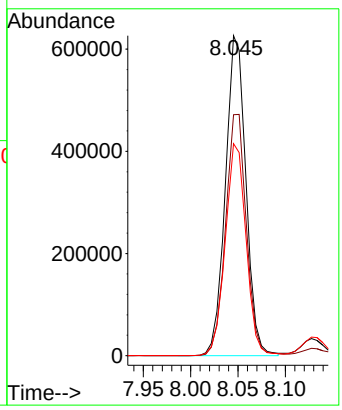
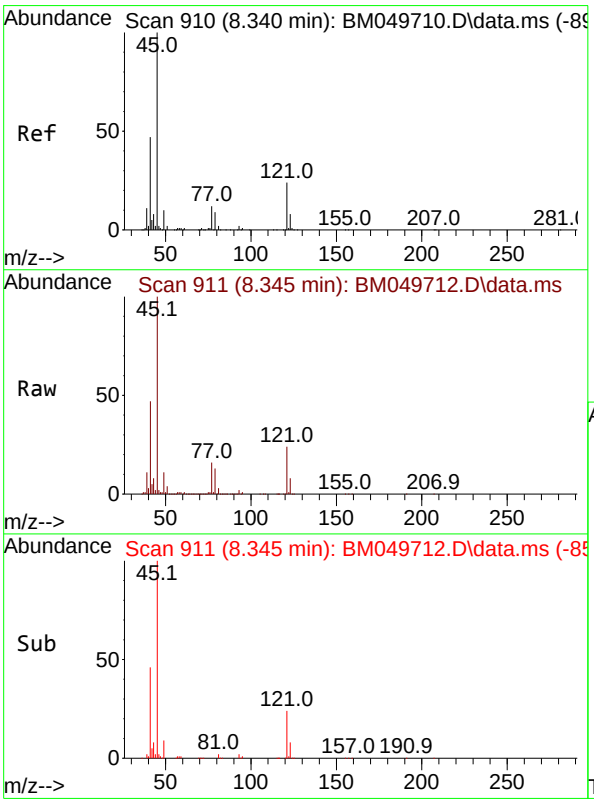
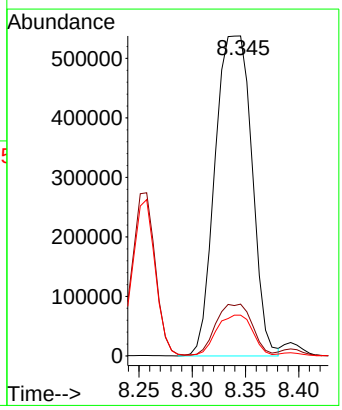


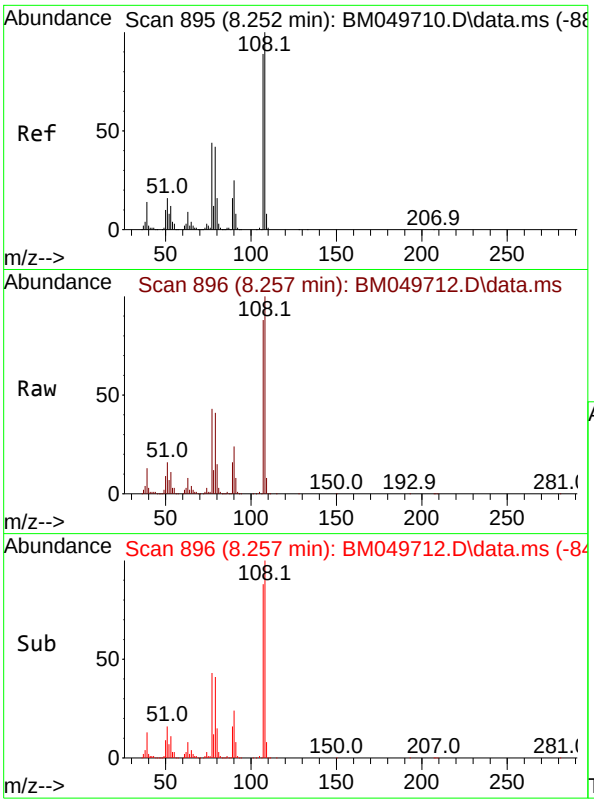


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.613 ng
RT: 8.345 min Scan# 911
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 45 Resp: 1292162

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	36.1
79	12.8	0.0	32.8

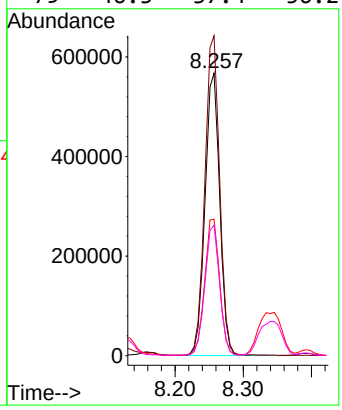




#17
2-Methylphenol
Concen: 62.967 ng
RT: 8.257 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:107 Resp: 85139

Ion	Ratio	Lower	Upper
107	100		
108	113.3	89.6	134.4
77	48.3	39.8	59.6
79	46.3	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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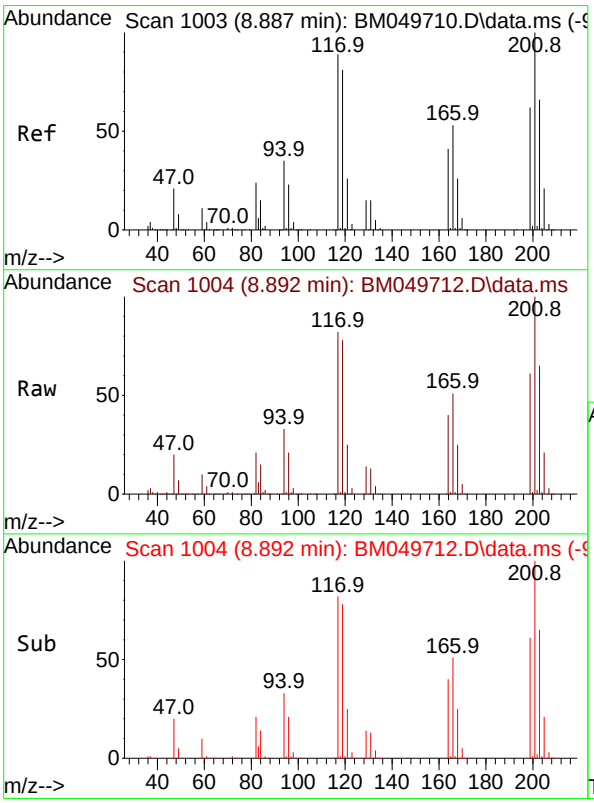
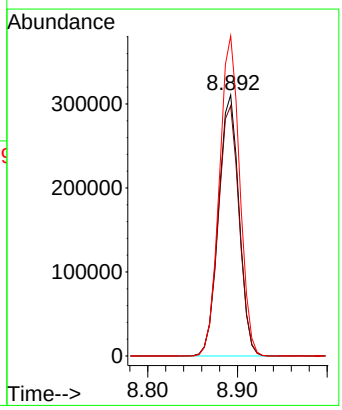
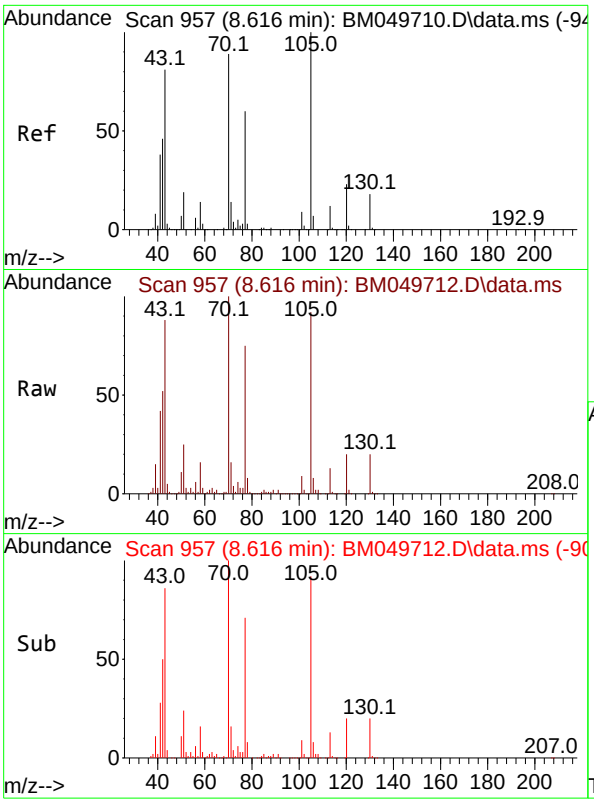


#18
Hexachloroethane
Concen: 61.468 ng
RT: 8.892 min Scan# 1004
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:117 Resp: 493239

Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.1	109.7
201	122.6	90.0	135.0

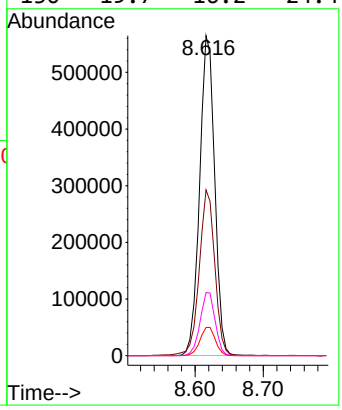




#19
n-Nitroso-di-n-propylamine
Concen: 63.565 ng
RT: 8.616 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 70 Resp: 86571

Ion	Ratio	Lower	Upper
70	100		
42	51.8	41.8	62.6
101	8.8	7.7	11.5
130	19.7	16.2	24.4



Instrument :
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ClientSampleId :
SSTDICC060

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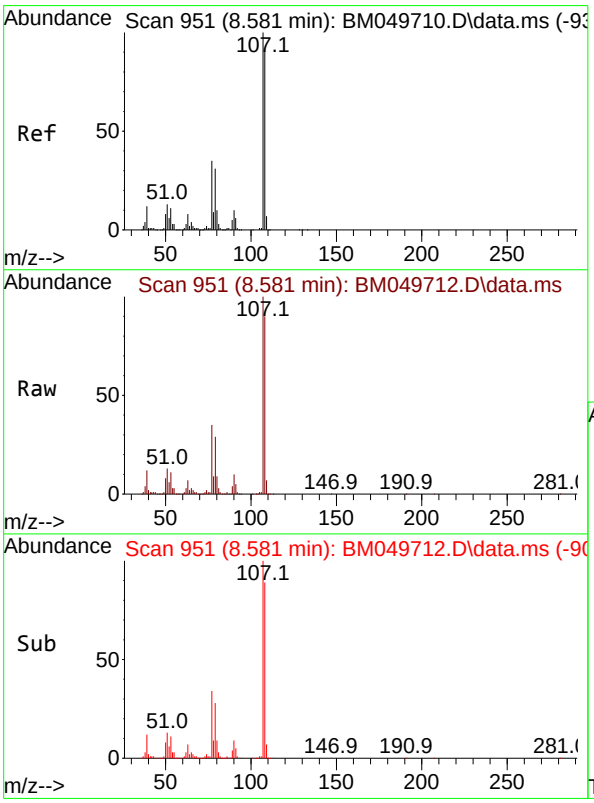
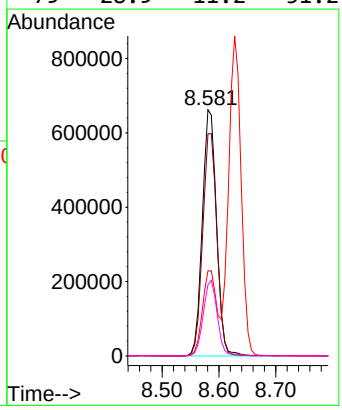
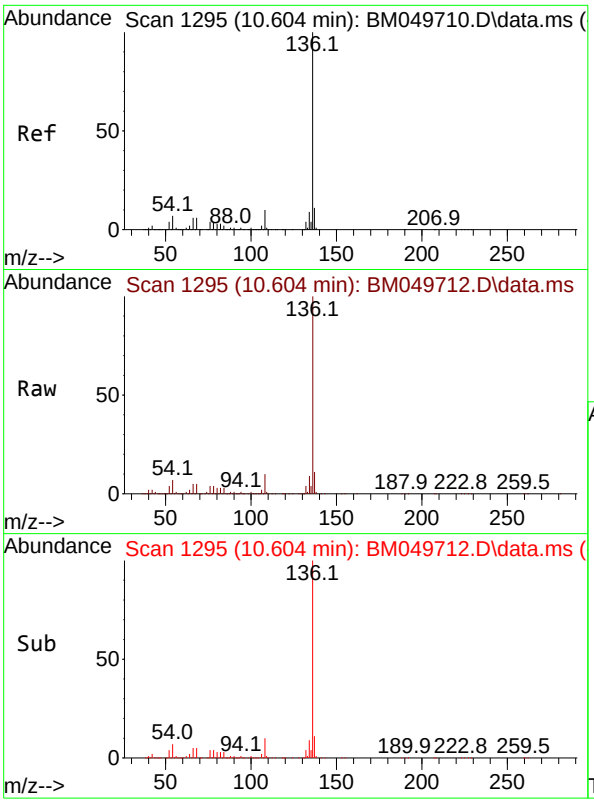


#20
3+4-Methylphenols
Concen: 63.315 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:107 Resp: 1147270

Ion	Ratio	Lower	Upper
107	100		
108	90.2	71.0	111.0
77	34.6	15.1	55.1
79	28.9	11.2	51.2

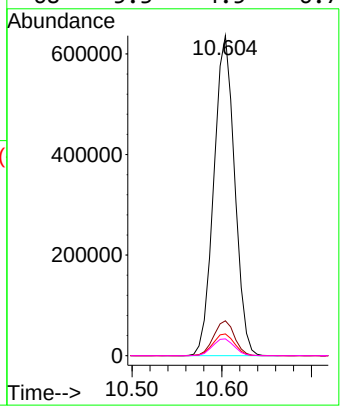




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:136 Resp: 102475

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.8	5.8	8.8
68	5.3	4.5	6.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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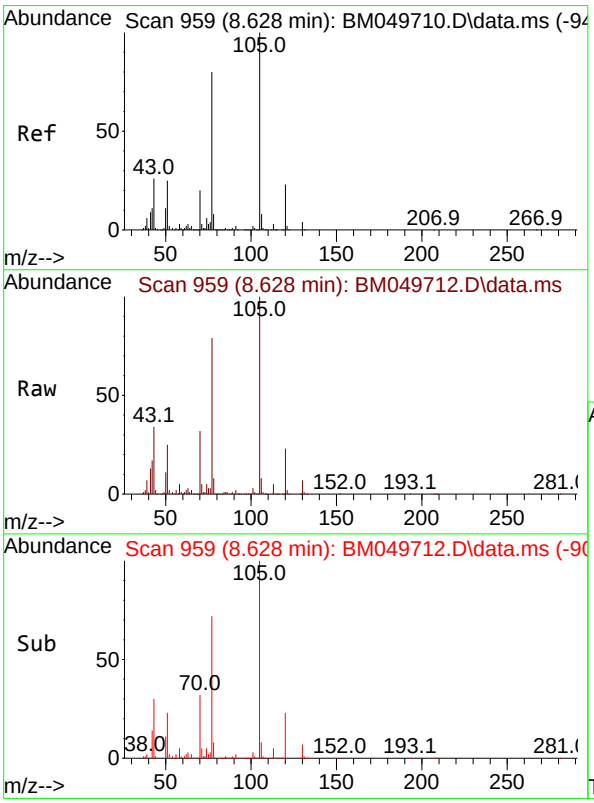
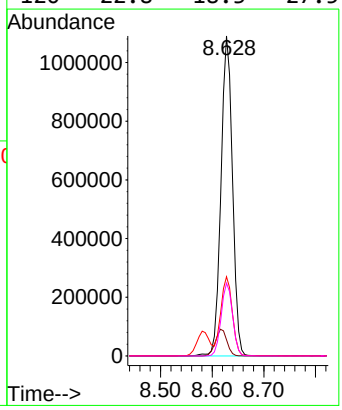
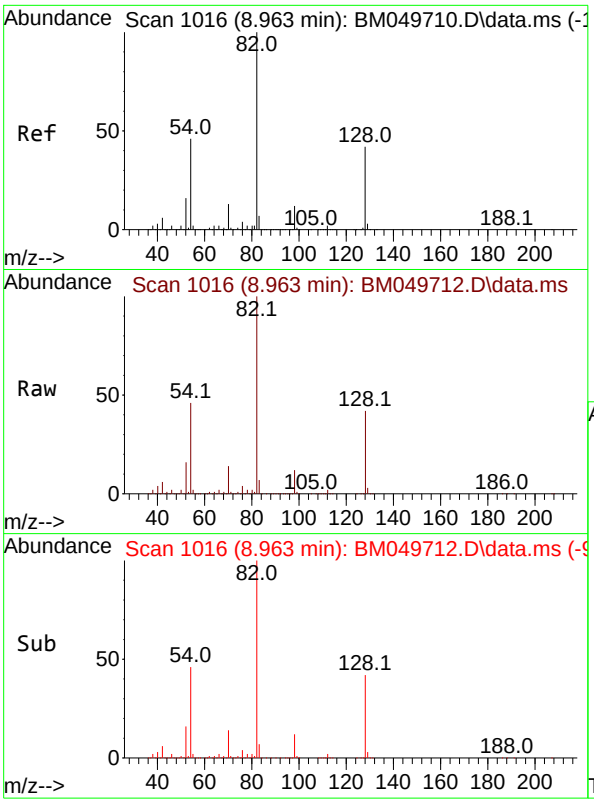


#22
Acetophenone
Concen: 63.809 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:105 Resp: 1686019

Ion	Ratio	Lower	Upper
105	100		
71	5.1	2.5	3.7#
51	24.7	19.9	29.9
120	22.8	18.3	27.5

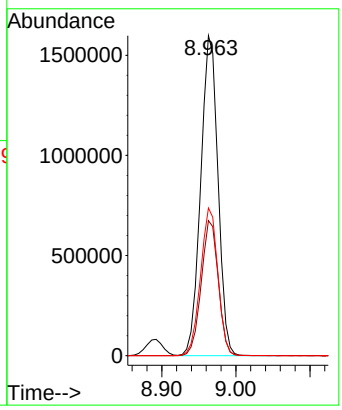




#23
Nitrobenzene-d5
Concen: 129.447 ng
RT: 8.963 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 82 Resp: 258370(

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.0
54	46.1	36.4	54.6



Instrument :
BNA_M
ClientSampleId :
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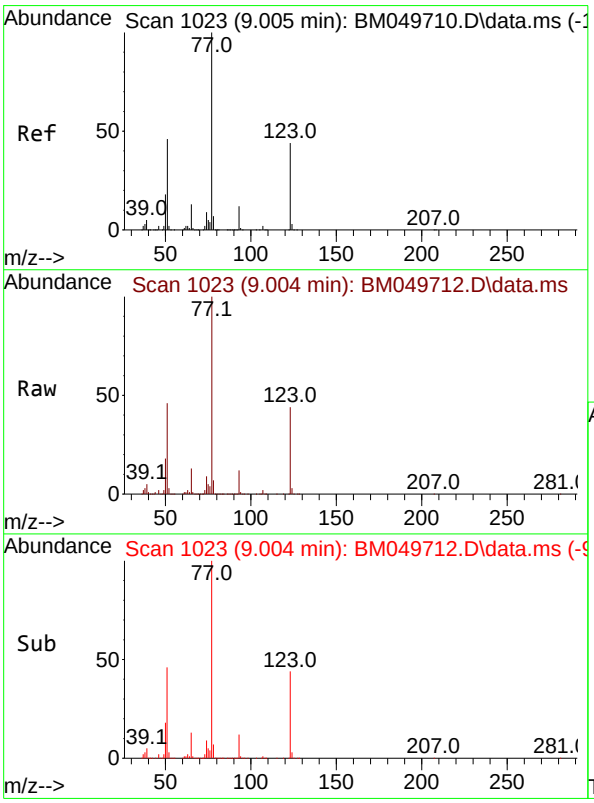
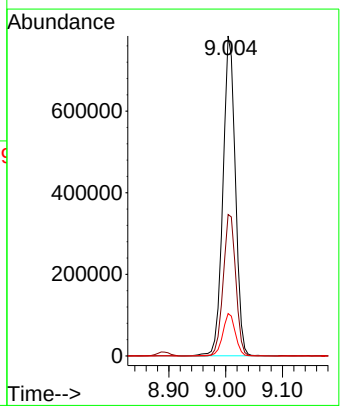
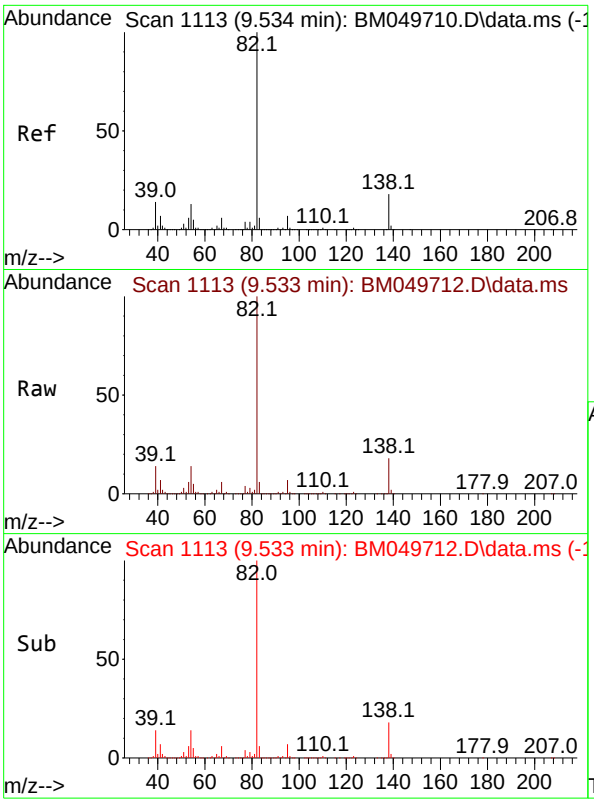


#24
Nitrobenzene
Concen: 63.615 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 77 Resp: 1197256

Ion	Ratio	Lower	Upper
77	100		
123	44.2	34.9	52.3
65	13.3	10.6	15.8

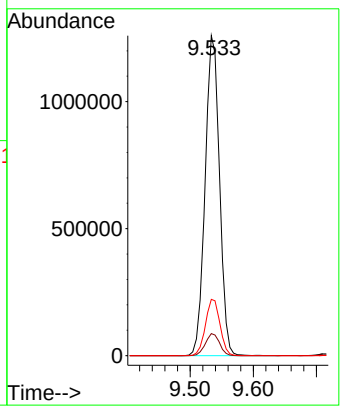




#25
Isophorone
Concen: 64.875 ng
RT: 9.533 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 82 Resp: 198809

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.3	7.9
138	17.6	14.4	21.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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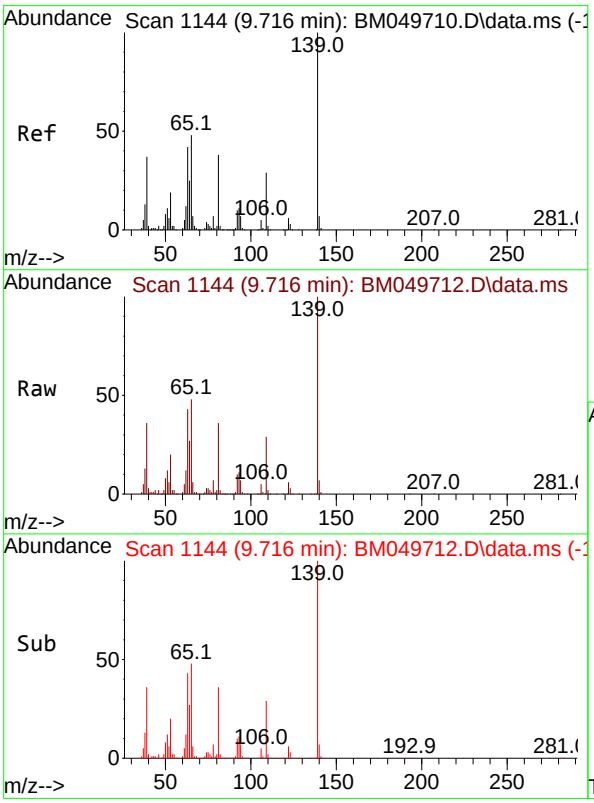
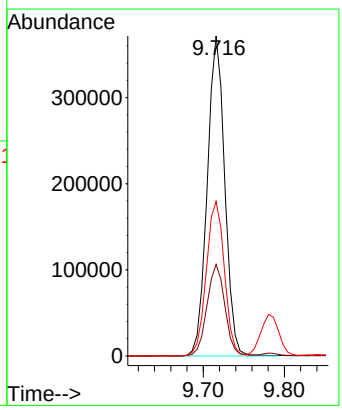
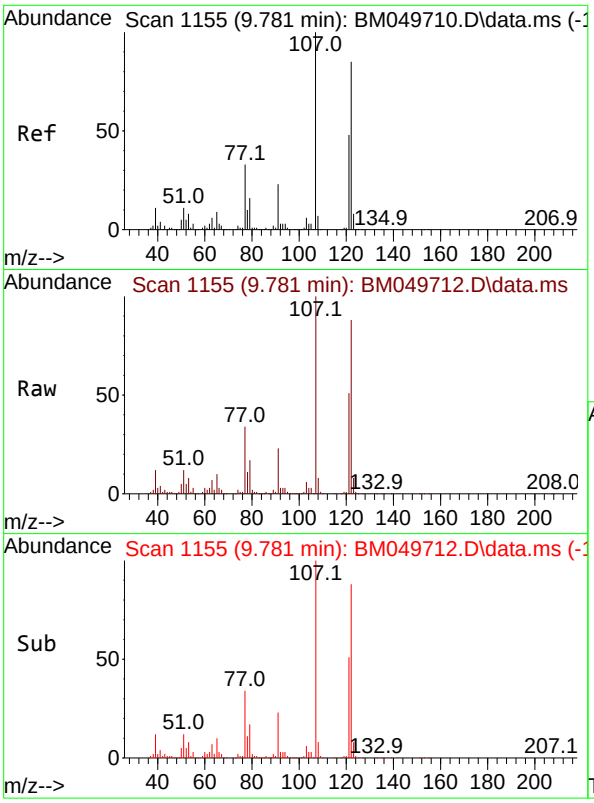


#26
2-Nitrophenol
Concen: 69.411 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:139 Resp: 556011

Ion	Ratio	Lower	Upper
139	100		
109	28.6	23.3	34.9
65	48.3	38.6	58.0

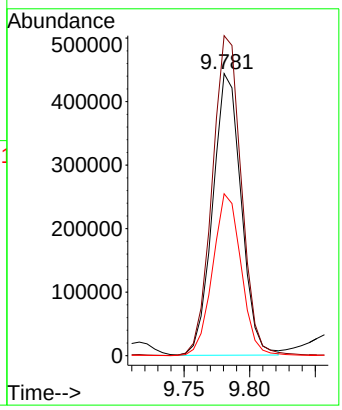




#27
2,4-Dimethylphenol
Concen: 65.658 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:122 Resp: 66947

Ion	Ratio	Lower	Upper
122	100		
107	113.5	94.3	141.5
121	57.4	45.4	68.2



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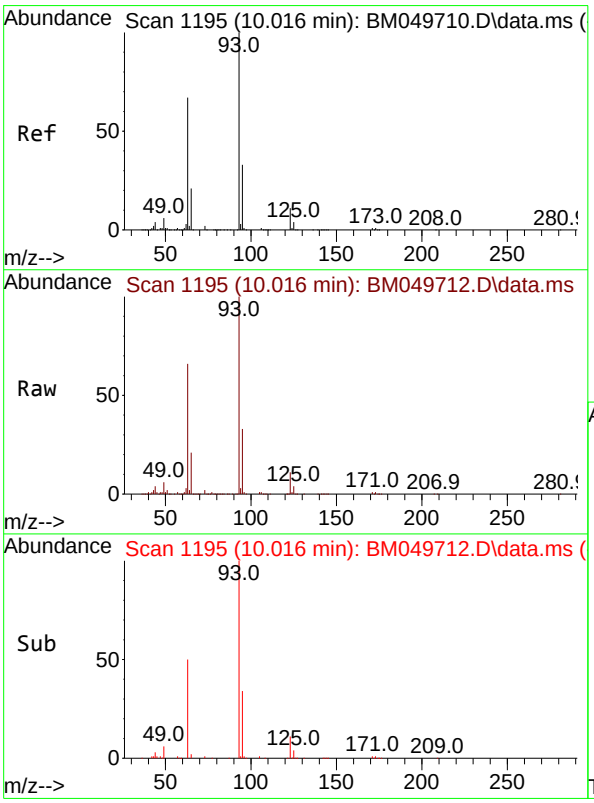
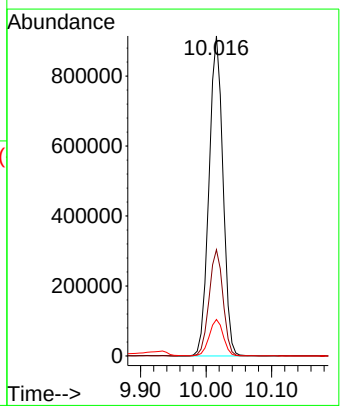
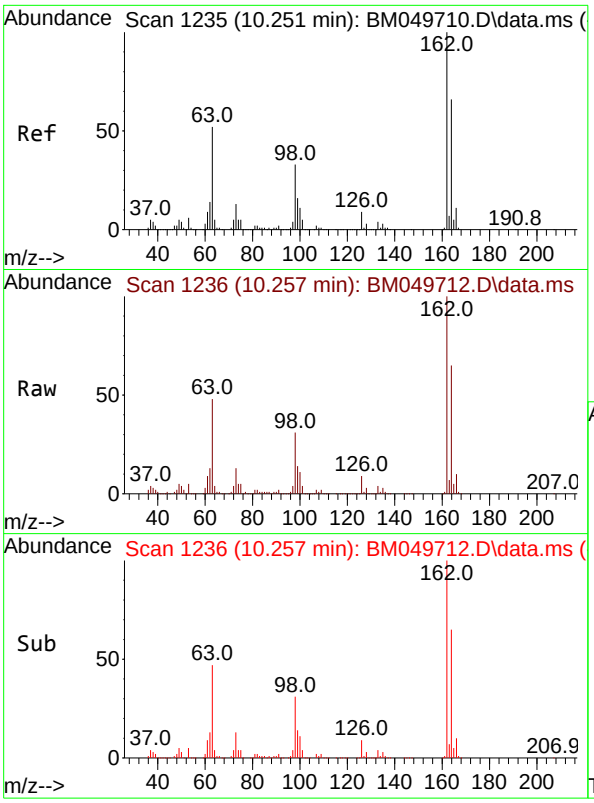


#28
bis(2-Chloroethoxy)methane
Concen: 62.714 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 93 Resp: 1353615

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	11.4	9.0	13.6

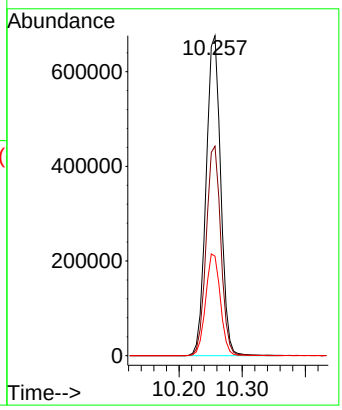




#29
2,4-Dichlorophenol
Concen: 65.322 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:162 Resp: 108529

Ion	Ratio	Lower	Upper
162	100		
164	65.5	46.3	86.3
98	31.1	12.8	52.8



Instrument :
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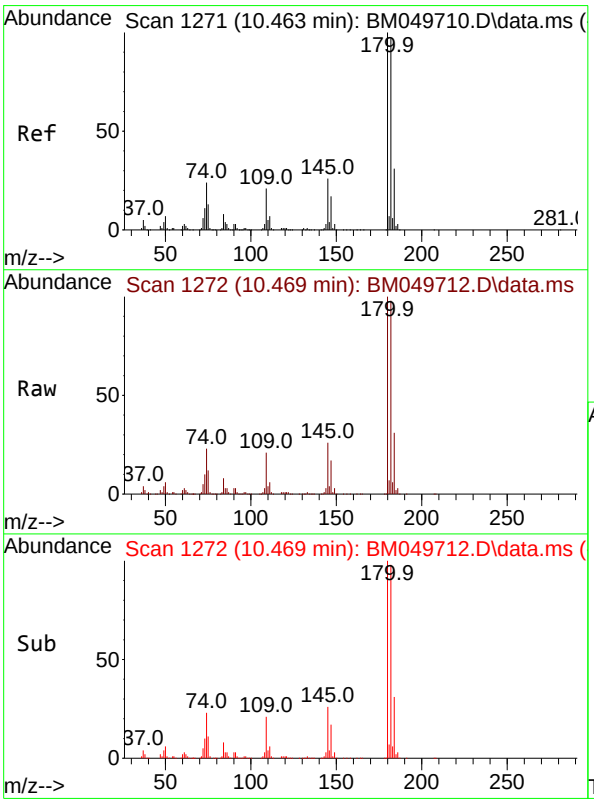
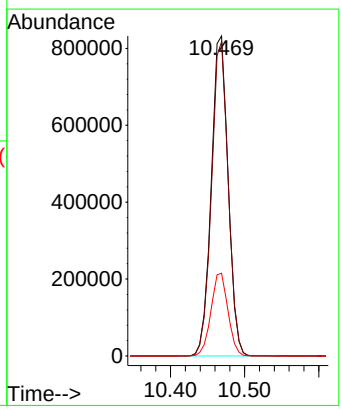
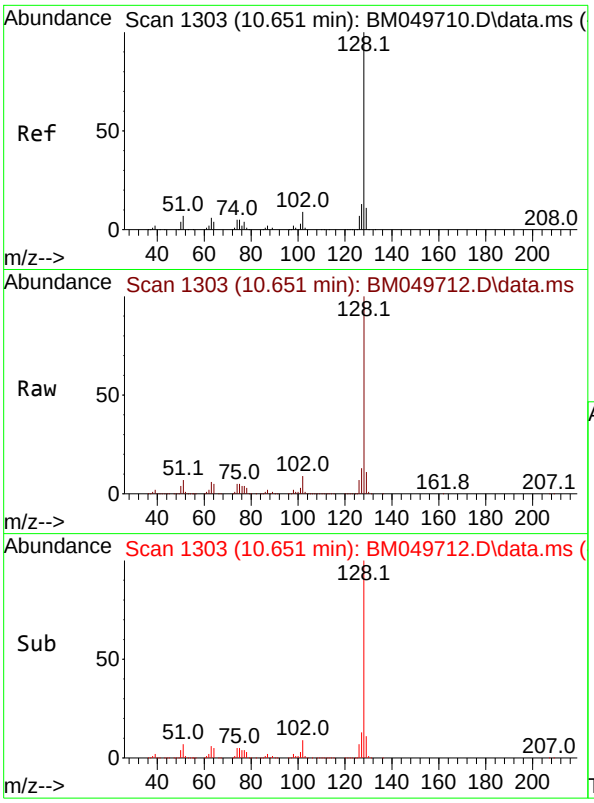


#30
1,2,4-Trichlorobenzene
Concen: 63.227 ng
RT: 10.469 min Scan# 1272
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:180 Resp: 1314305

Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.7	116.5
145	25.8	21.0	31.4

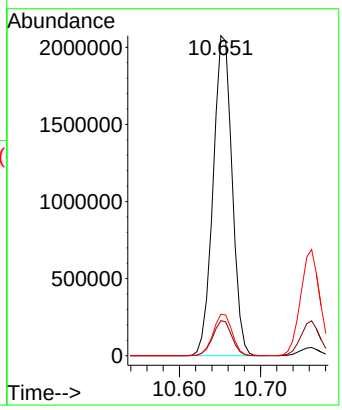




#31
Naphthalene
Concen: 63.997 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:128 Resp: 337223

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.0	10.4	15.6



Instrument :
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ClientSampleId :
SSTDICC060

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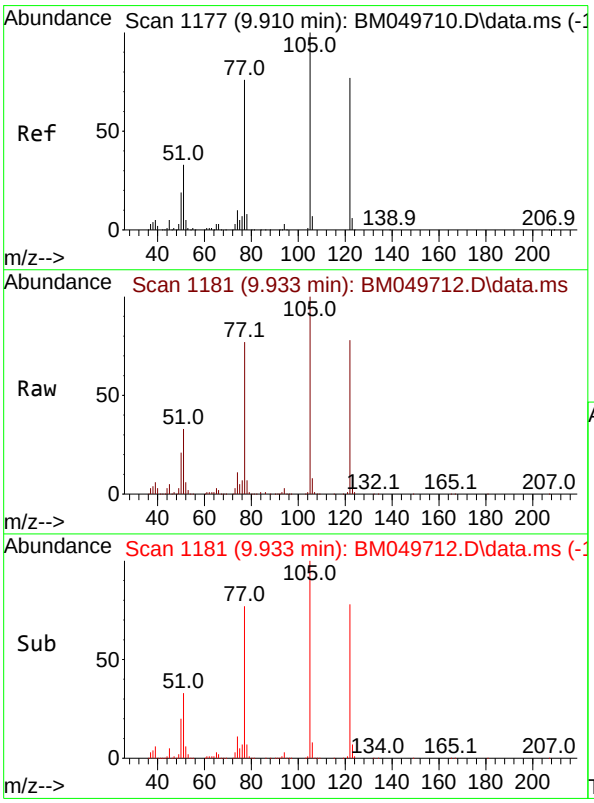
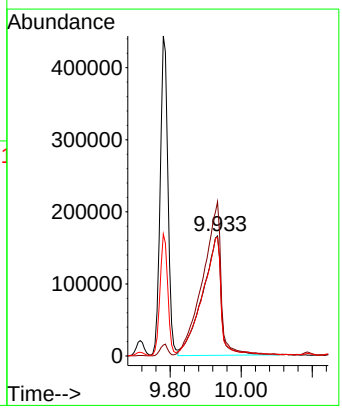
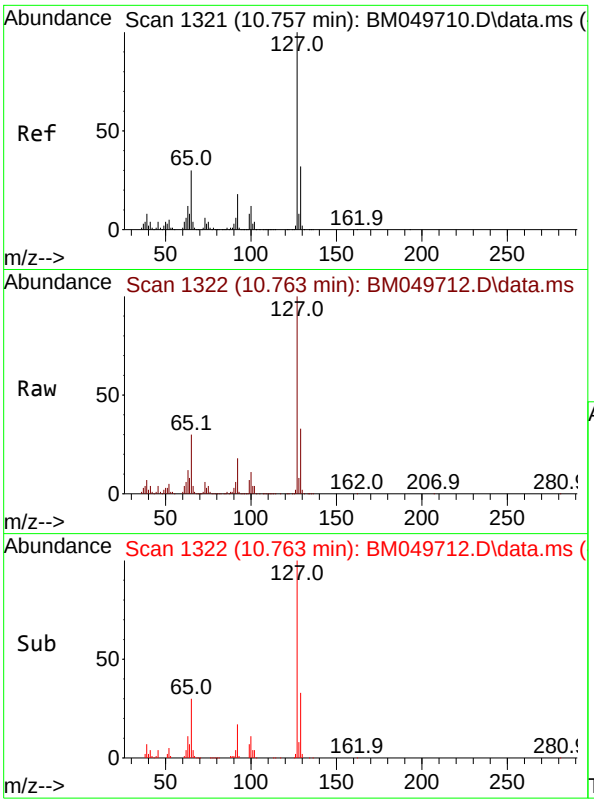


#32
Benzoic acid
Concen: 70.482 ng
RT: 9.933 min Scan# 1181
Delta R.T. 0.023 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:122 Resp: 611385

Ion	Ratio	Lower	Upper
122	100		
105	128.5	105.6	145.6
77	98.8	76.9	116.9

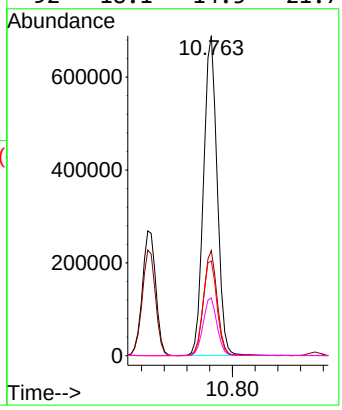




#33
4-Chloroaniline
Concen: 63.446 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:127 Resp: 114096

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.7	38.5
65	29.6	24.1	36.1
92	18.1	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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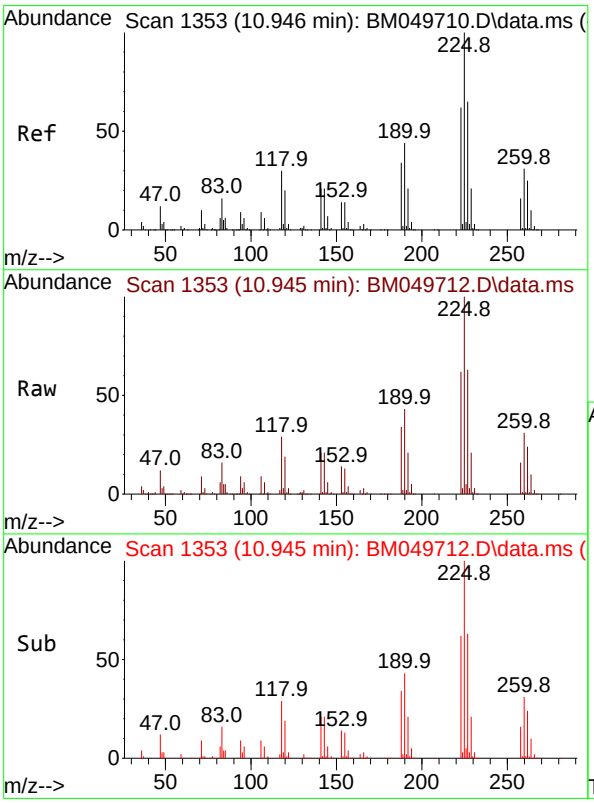
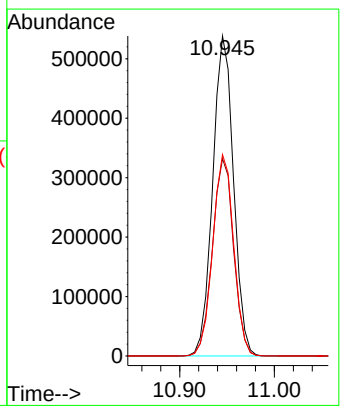
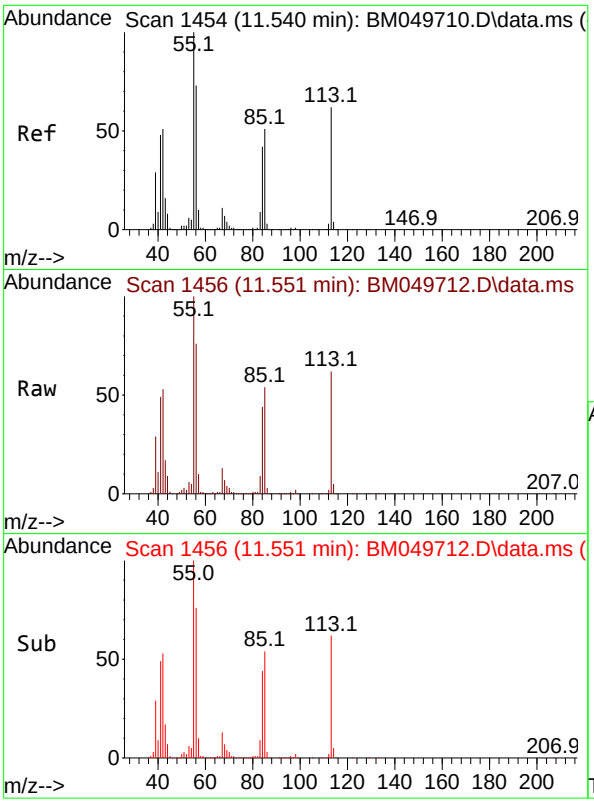


#34
Hexachlorobutadiene
Concen: 63.912 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:225 Resp: 820160

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.8	74.8
227	62.9	52.1	78.1





#35
Caprolactam
Concen: 69.264 ng
RT: 11.551 min Scan# 14
Delta R.T. 0.011 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:113 Resp: 26717

Ion	Ratio	Lower	Upper
113	100		
55	161.5	141.8	181.8
56	122.3	98.0	138.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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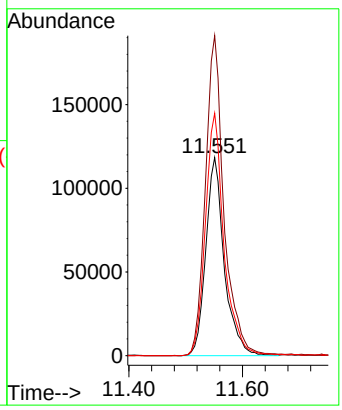
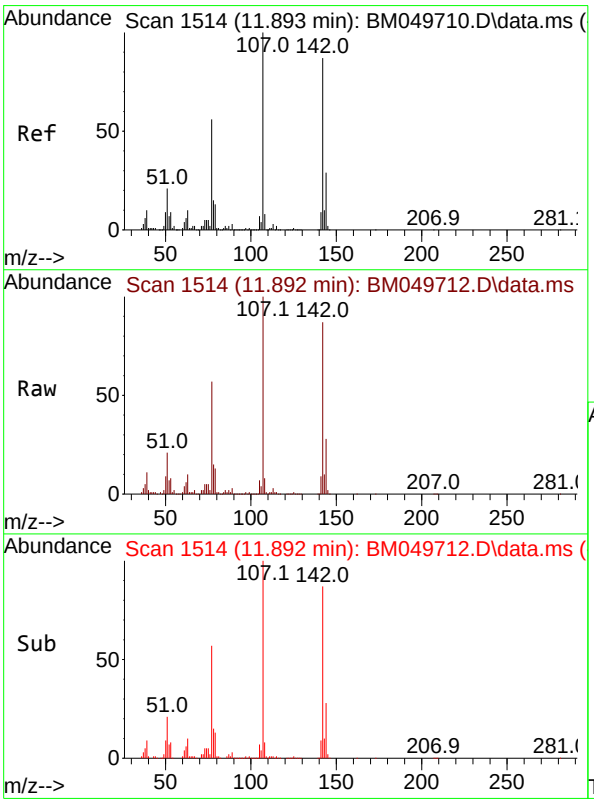
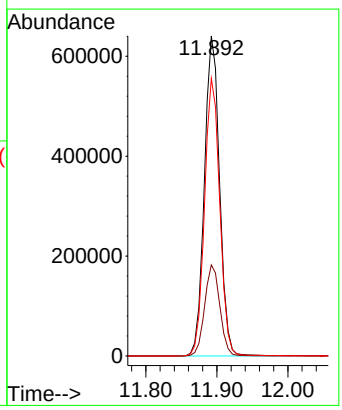


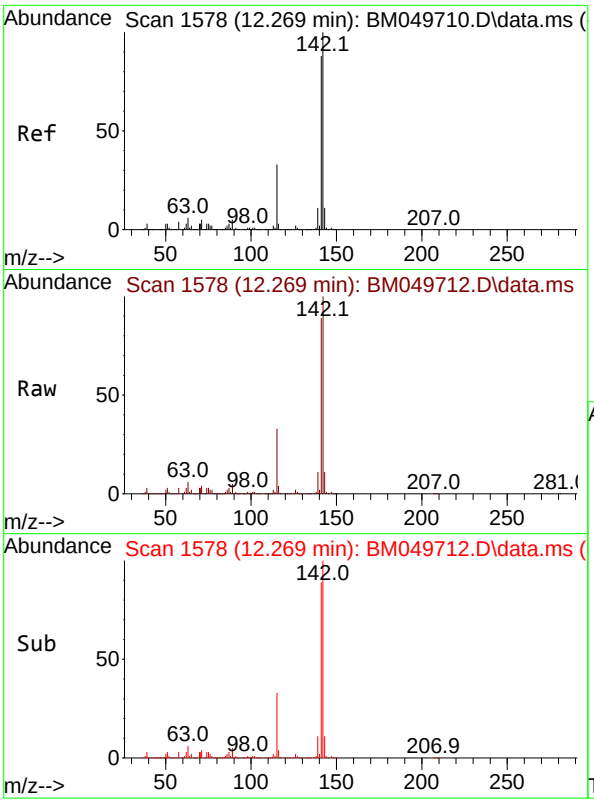


#36
4-Chloro-3-methylphenol
Concen: 66.827 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:107 Resp: 952831

Ion	Ratio	Lower	Upper
107	100		
144	28.5	23.0	34.6
142	86.7	69.8	104.8

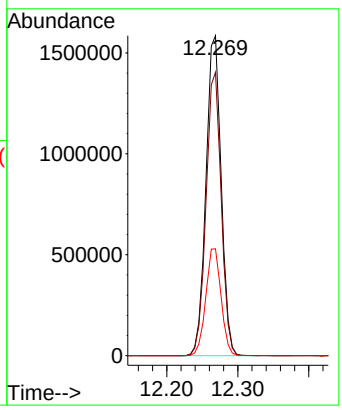




#37
2-Methylnaphthalene
Concen: 64.061 ng
RT: 12.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:142 Resp: 236036

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.5	105.7
115	33.4	26.5	39.7



Instrument :
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ClientSampleId :
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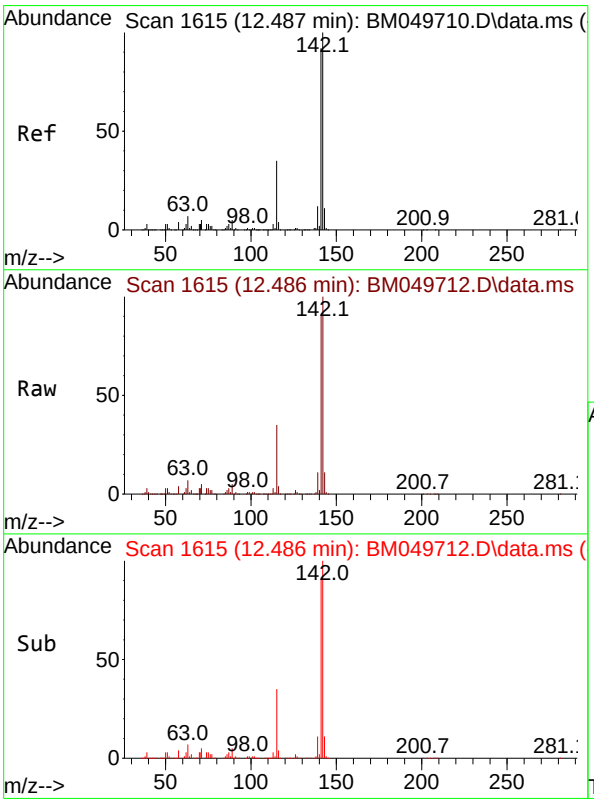
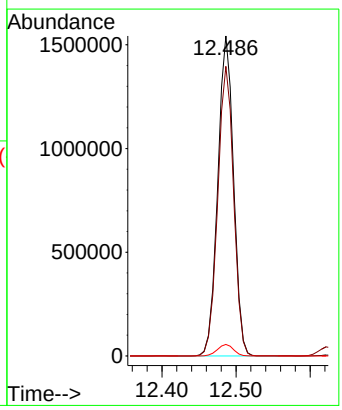
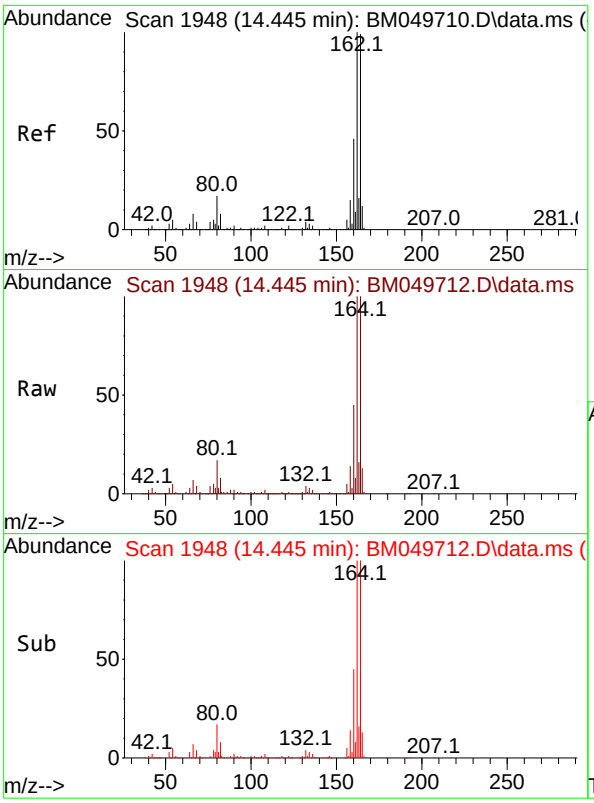


#38
1-Methylnaphthalene
Concen: 64.106 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:142 Resp: 2278919

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.4	110.2
116	3.6	2.8	4.2

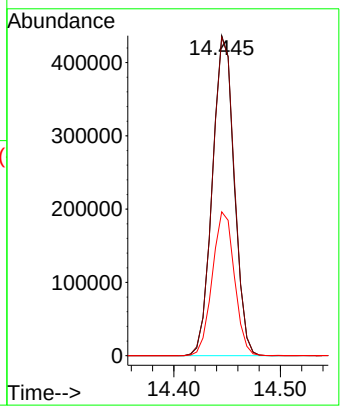




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:164 Resp: 61882

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.5	120.7
160	44.9	36.9	55.3



Instrument :
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ClientSampleId :
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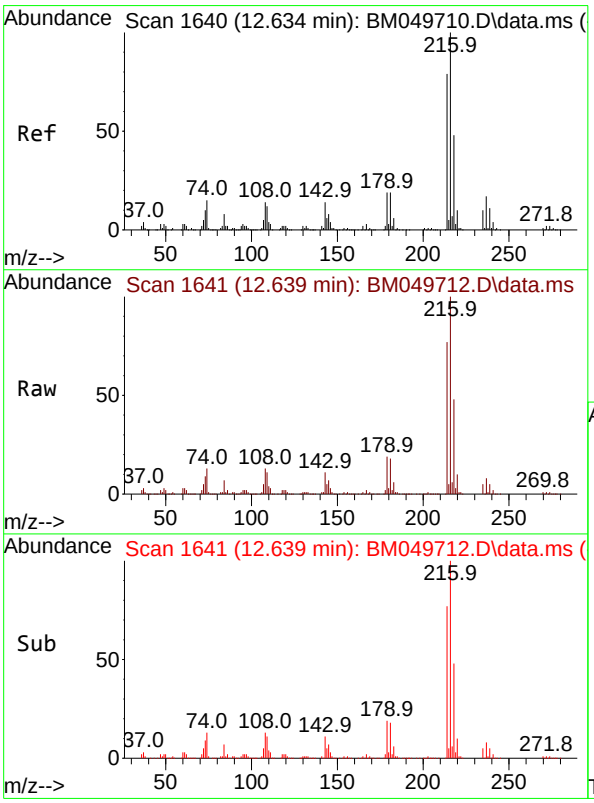
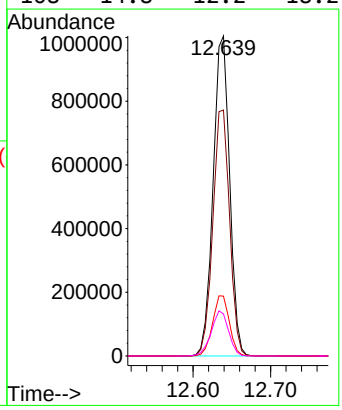
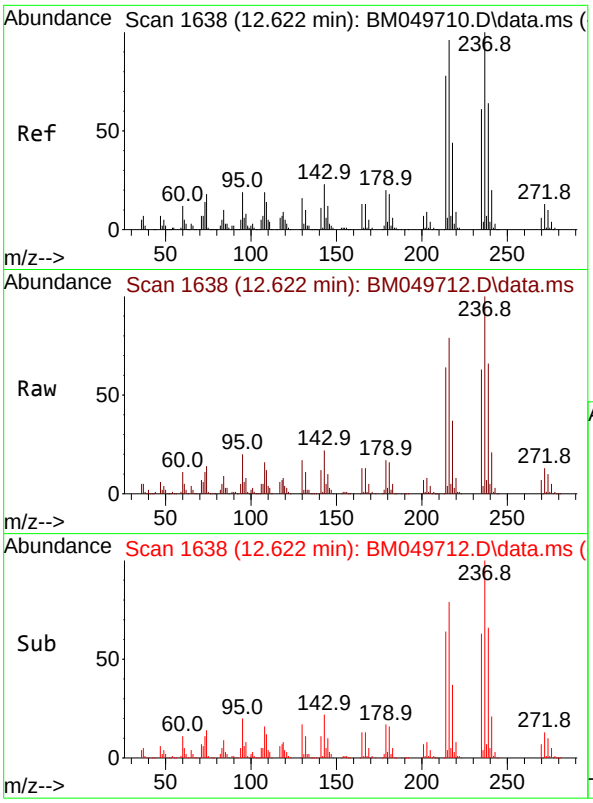


#40
1,2,4,5-Tetrachlorobenzene
Concen: 65.259 ng
RT: 12.639 min Scan# 1641
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:216 Resp: 1483366

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.5	95.3
179	19.1	15.7	23.5
108	14.8	12.2	18.2

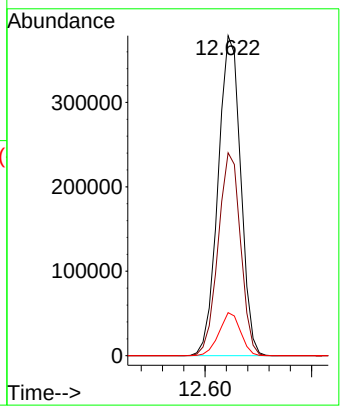




#41
Hexachlorocyclopentadiene
Concen: 66.191 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:237 Resp: 55738

Ion	Ratio	Lower	Upper
237	100		
235	63.4	41.1	81.1
272	13.5	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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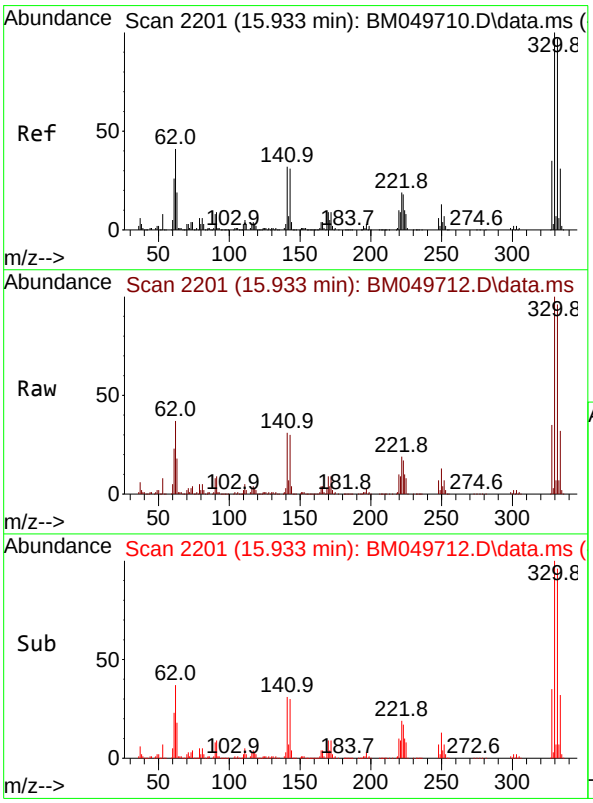
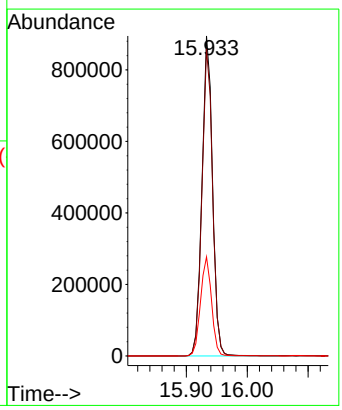
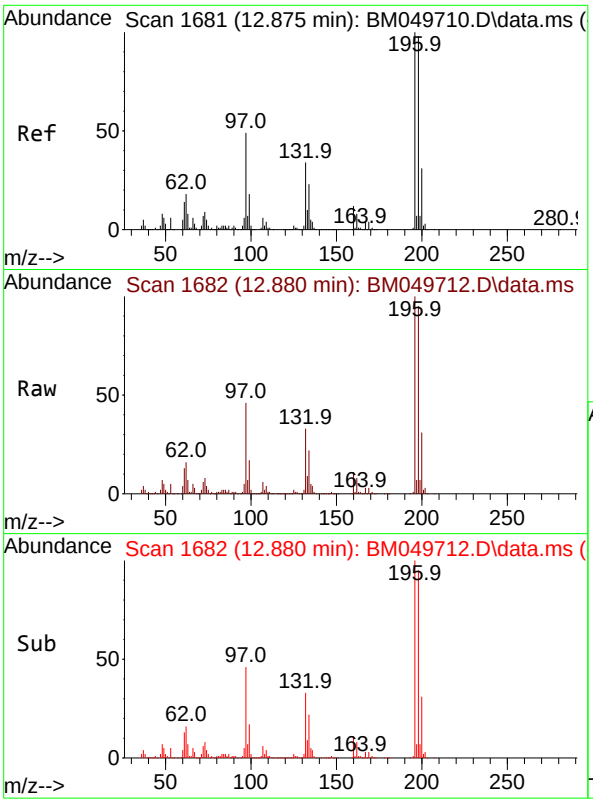


#42
2,4,6-Tribromophenol
Concen: 148.622 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:330 Resp: 1073944

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.4
141	32.4	27.8	41.6





#43
2,4,6-Trichlorophenol
Concen: 67.864 ng
RT: 12.880 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:196 Resp: 86395

Ion	Ratio	Lower	Upper
196	100		
198	95.4	78.3	117.5
200	31.3	25.1	37.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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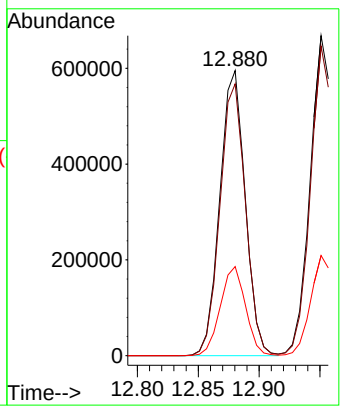
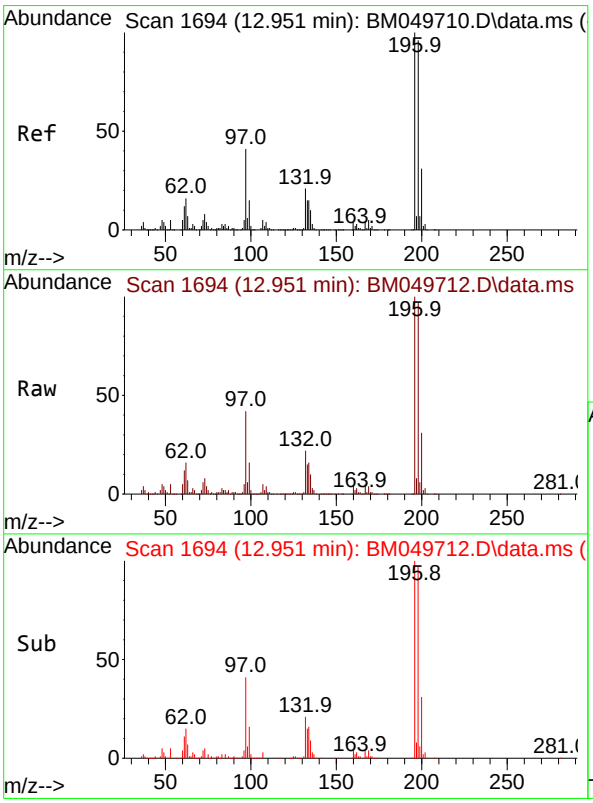
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

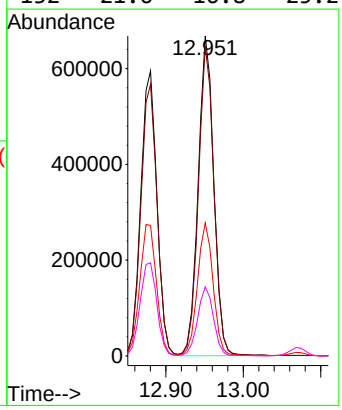


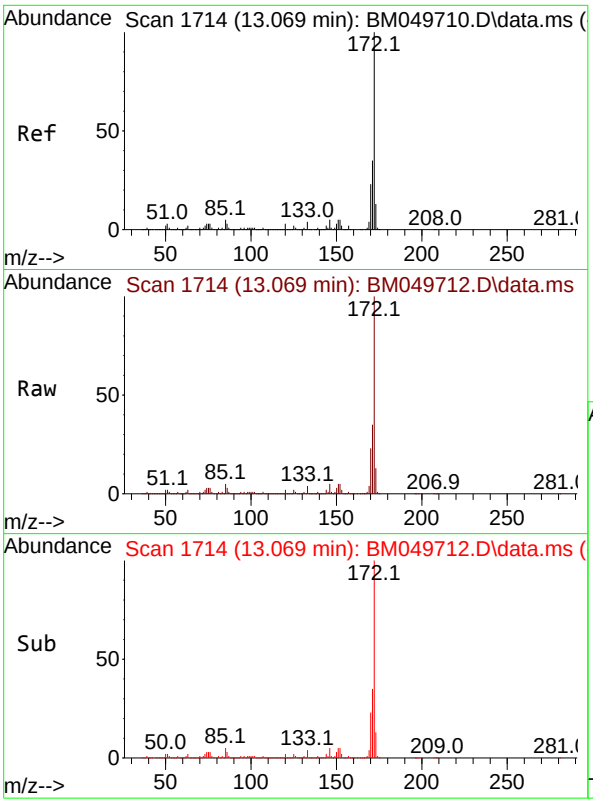


#44
2,4,5-Trichlorophenol
Concen: 67.377 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:196 Resp: 936029

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.7	115.1
97	41.6	32.9	49.3
132	21.6	16.8	25.2

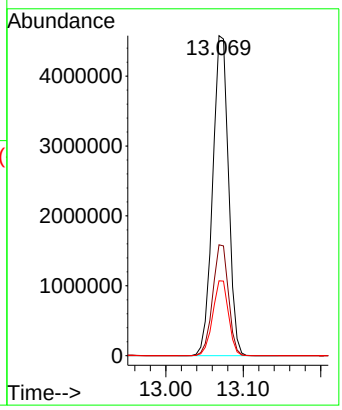




#45
2-Fluorobiphenyl
Concen: 131.059 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:172 Resp: 647586

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.4	18.6	28.0



Instrument :
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ClientSampleId :
SSTDICC060

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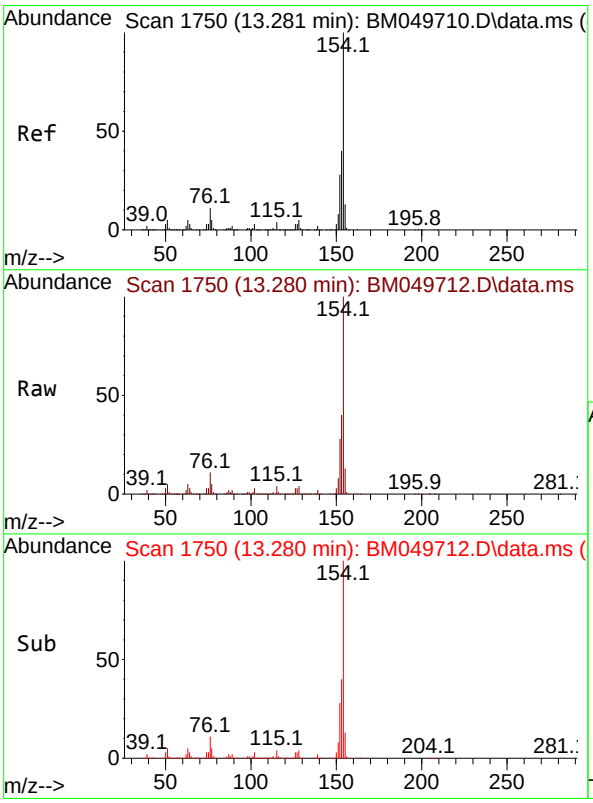
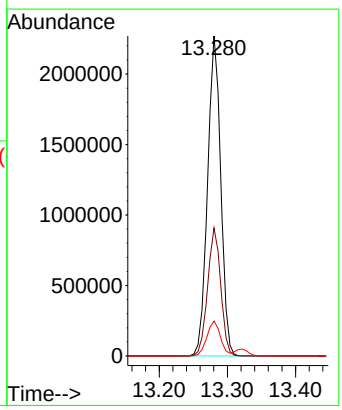
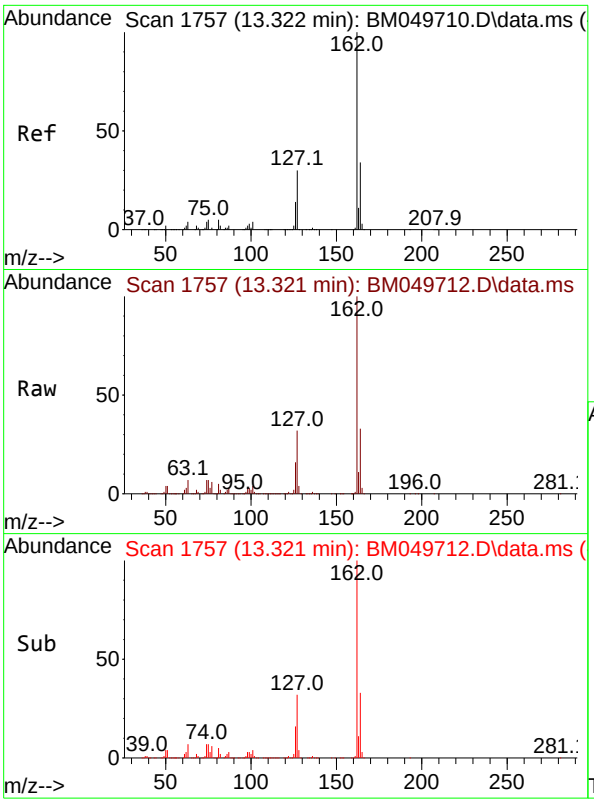


#46
1,1'-Biphenyl
Concen: 63.921 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:154 Resp: 3048618

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.7	59.7
76	10.9	0.0	31.2

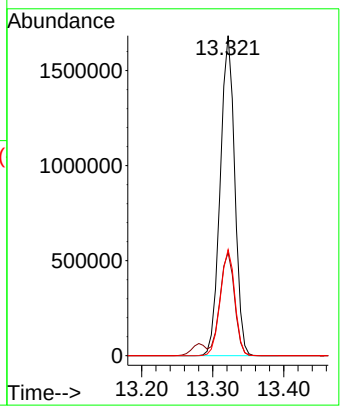




#47
2-Chloronaphthalene
Concen: 64.138 ng
RT: 13.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:162 Resp: 238100

Ion	Ratio	Lower	Upper
162	100		
127	32.2	25.8	38.6
164	33.2	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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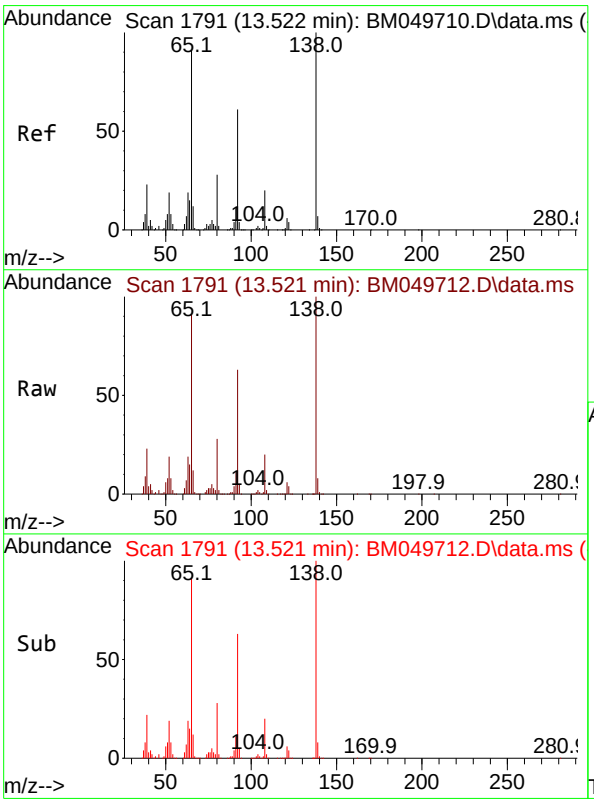
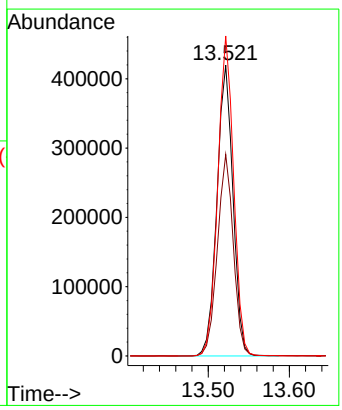
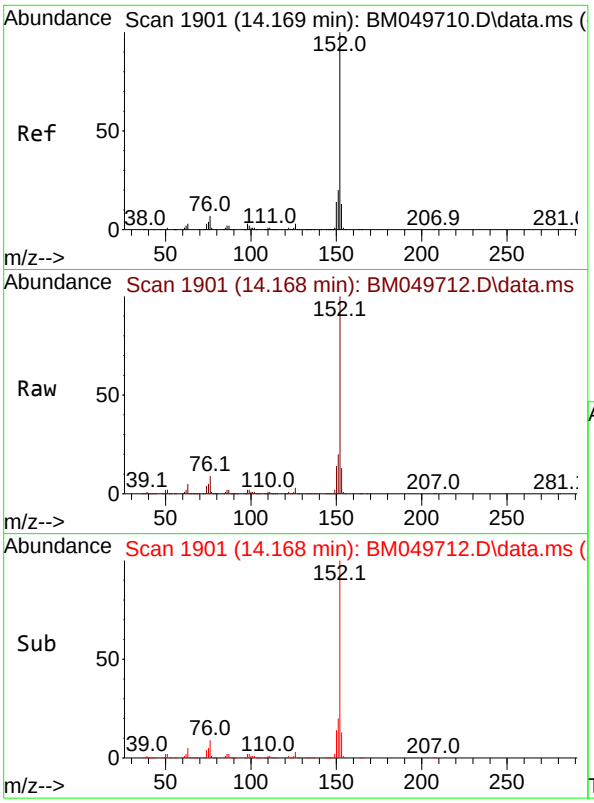


#48
2-Nitroaniline
Concen: 69.424 ng
RT: 13.521 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 65 Resp: 578552

Ion	Ratio	Lower	Upper
65	100		
92	69.3	53.4	80.2
138	110.0	87.6	131.4

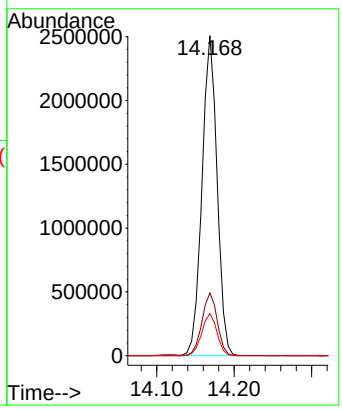




#49
Acenaphthylene
Concen: 65.227 ng
RT: 14.168 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:152 Resp: 338459

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.1	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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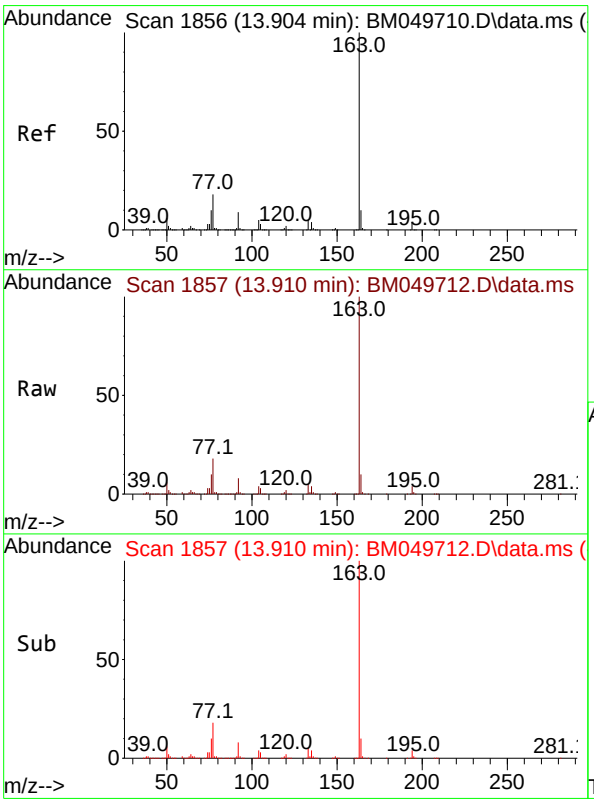
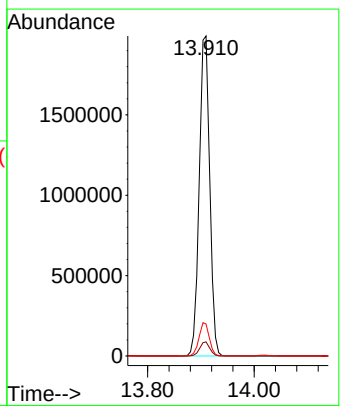
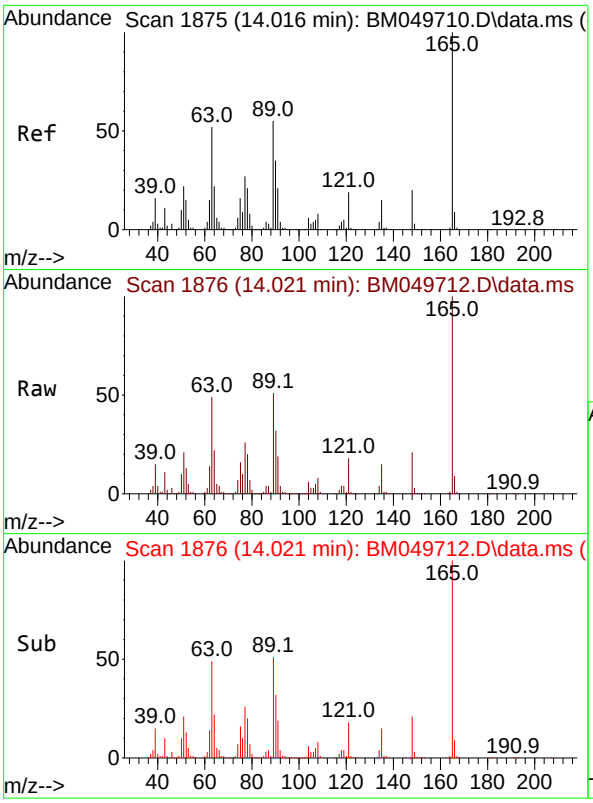


#50
Dimethylphthalate
Concen: 63.771 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:163 Resp: 2716983

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.0	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 66.034 ng
RT: 14.021 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:165 Resp: 56372

Ion	Ratio	Lower	Upper
165	100		
63	49.5	42.3	63.5
89	51.1	43.9	65.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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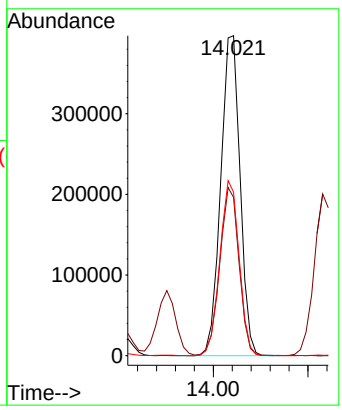
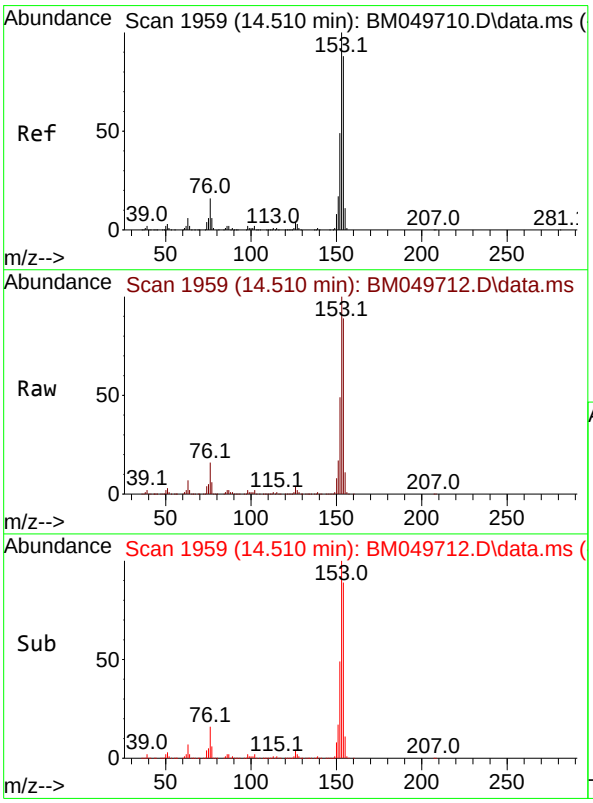
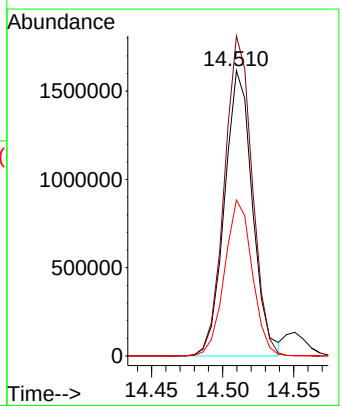


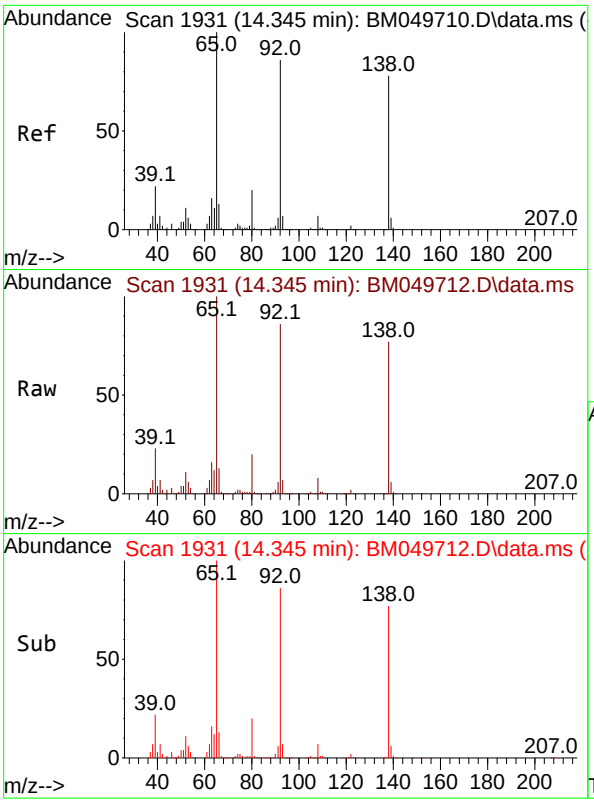


#52
Acenaphthene
Concen: 65.221 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:154 Resp: 2217160

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.4	135.6
152	54.7	44.2	66.2





#53
3-Nitroaniline
Concen: 68.488 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:138 Resp: 55637

Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.5	11.3
92	112.1	88.0	132.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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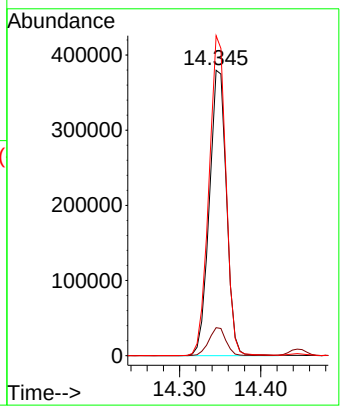
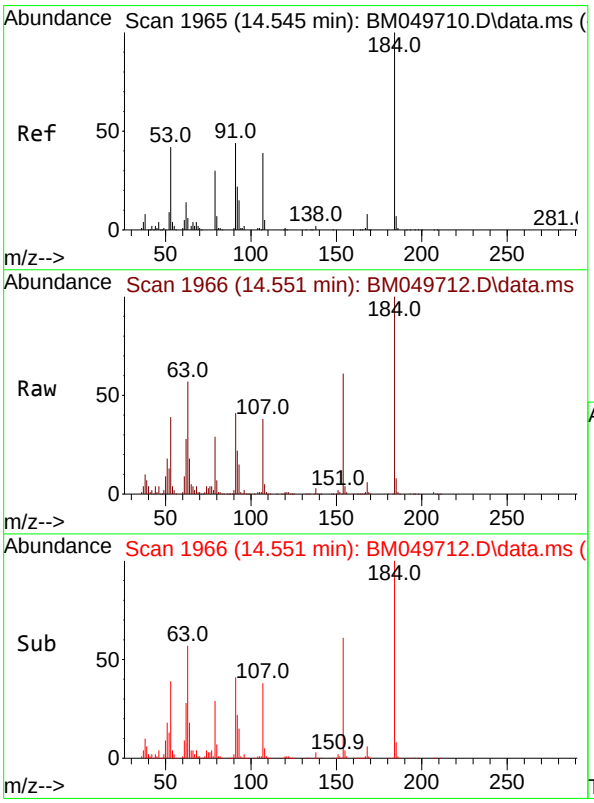
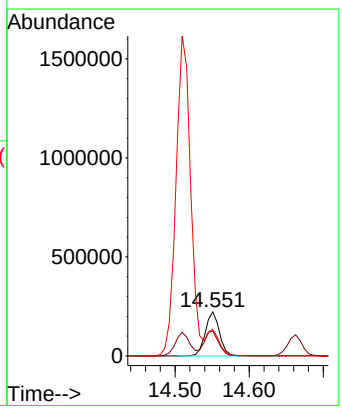


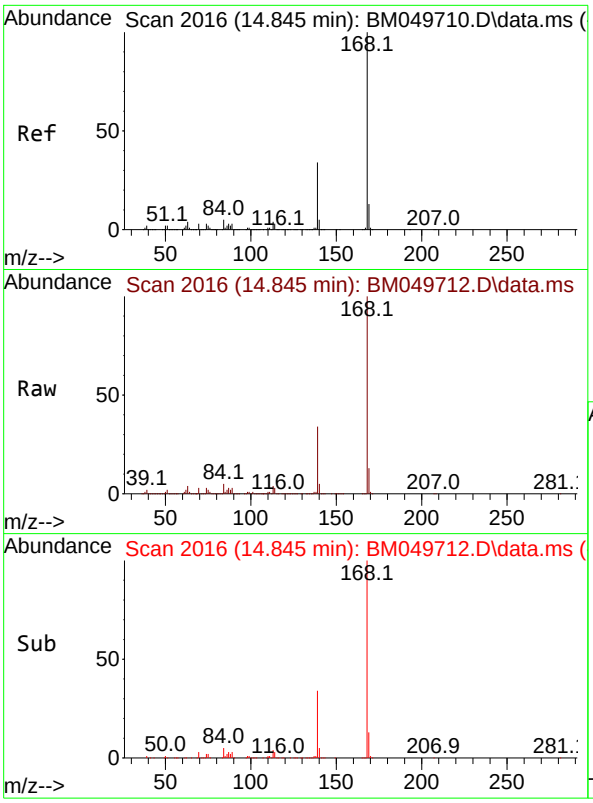


#54
2,4-Dinitrophenol
Concen: 60.822 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:184 Resp: 295154

Ion	Ratio	Lower	Upper
184	100		
63	56.9	47.2	70.8
154	60.6	49.9	74.9





#55
Dibenzofuran
Concen: 64.040 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:168 Resp: 363203

Ion	Ratio	Lower	Upper
168	100		
139	33.5	27.4	41.0
169	13.4	10.7	16.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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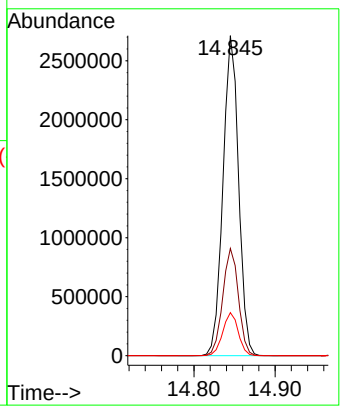
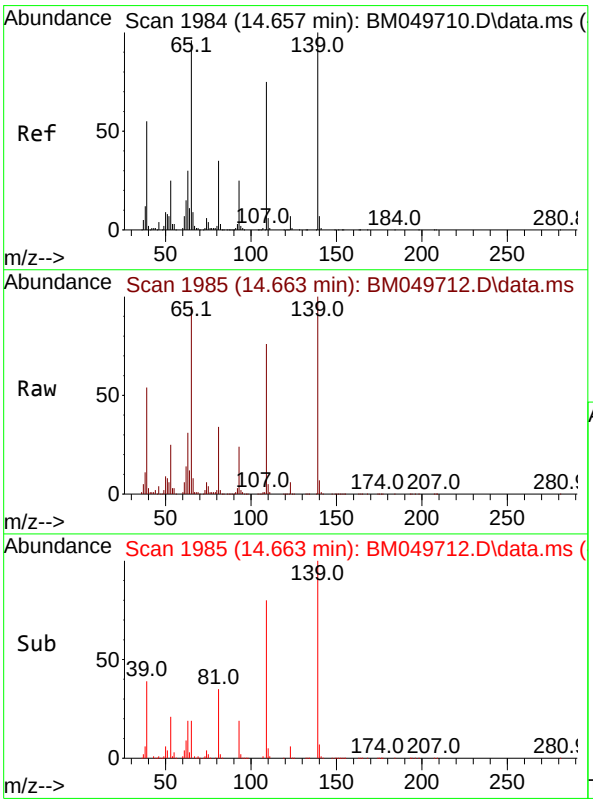
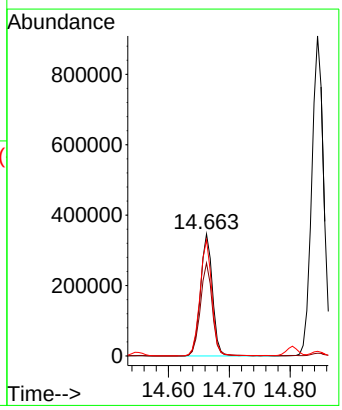


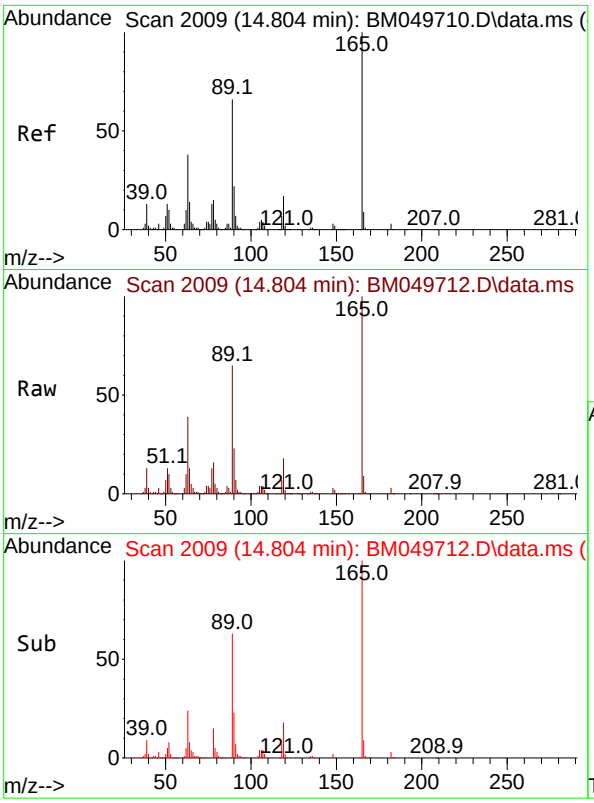


#56
4-Nitrophenol
Concen: 67.524 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:139 Resp: 477486

Ion	Ratio	Lower	Upper
139	100		
109	76.2	54.7	94.7
65	95.3	76.2	116.2

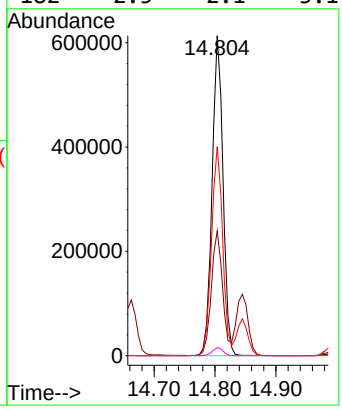




#57
2,4-Dinitrotoluene
Concen: 69.539 ng
RT: 14.804 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:165 Resp: 76389

Ion	Ratio	Lower	Upper
165	100		
63	39.0	30.8	46.2
89	65.4	53.1	79.7
182	2.5	2.1	3.1



Instrument :
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ClientSampleId :
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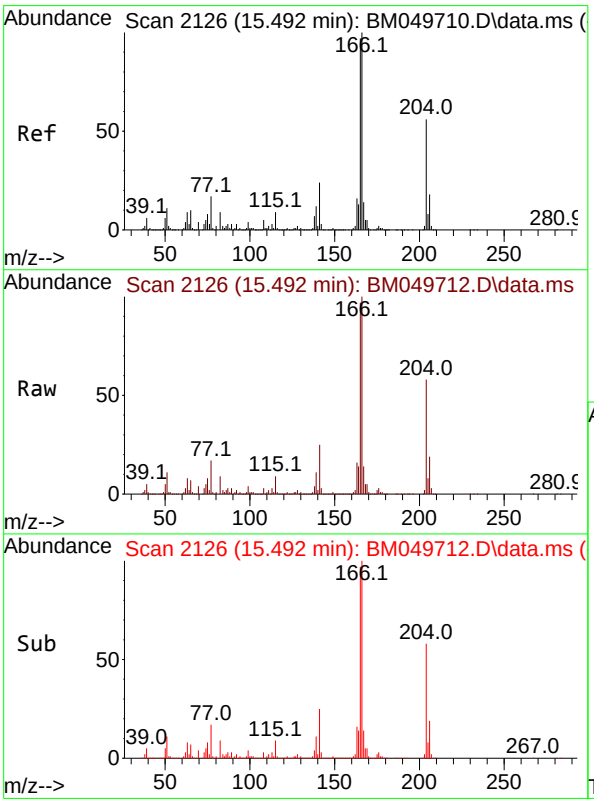
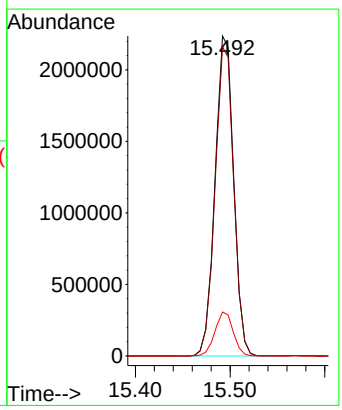
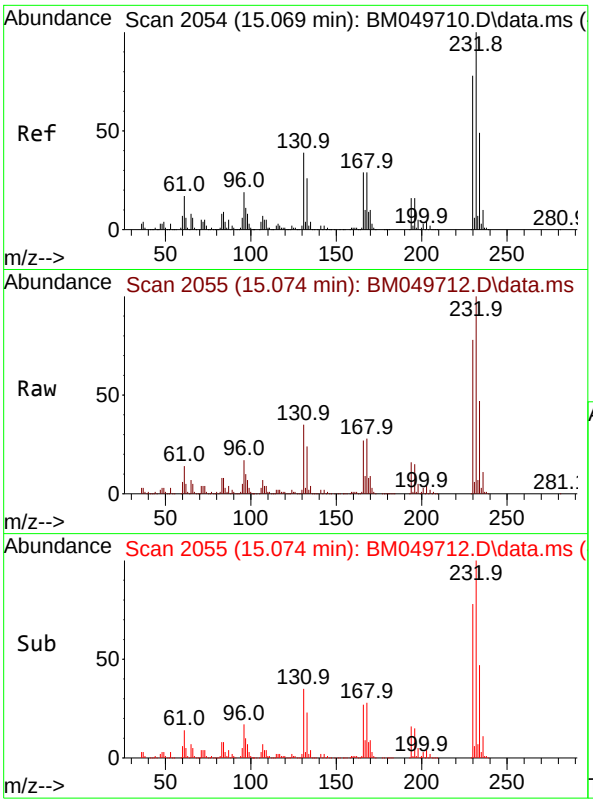


#58
Fluorene
Concen: 66.168 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:166 Resp: 3055405

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.5	116.3
167	13.8	10.9	16.3

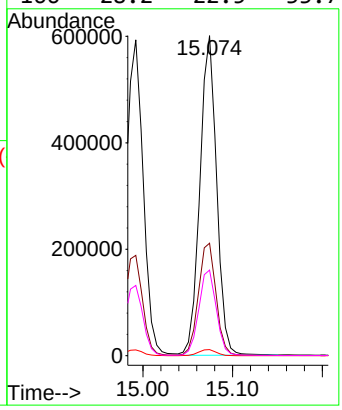




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.821 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:232 Resp: 77706

Ion	Ratio	Lower	Upper
232	100		
131	37.2	30.0	45.0
130	2.1	1.6	2.4
166	28.2	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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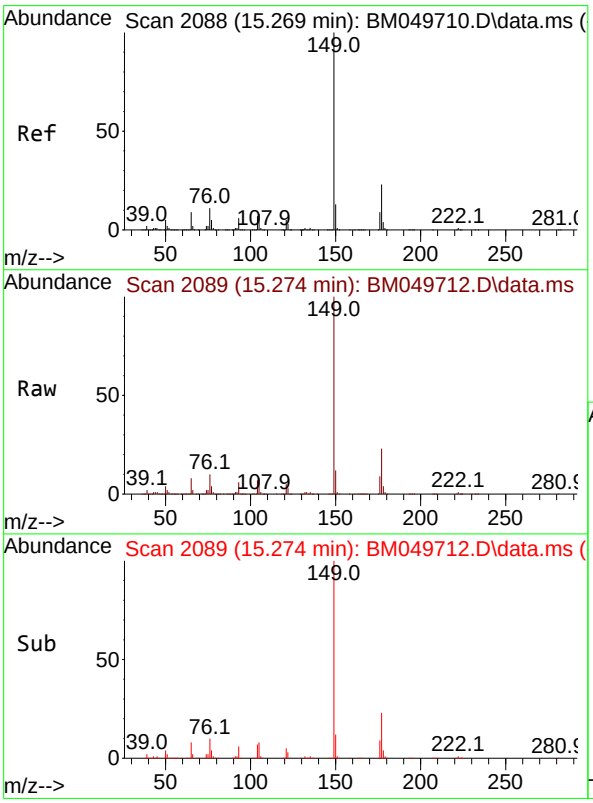
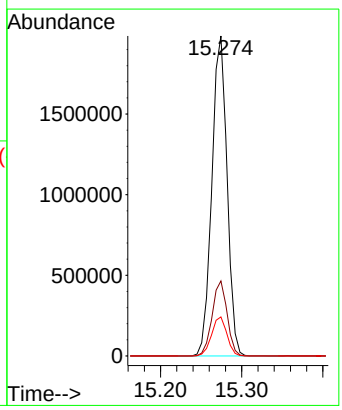
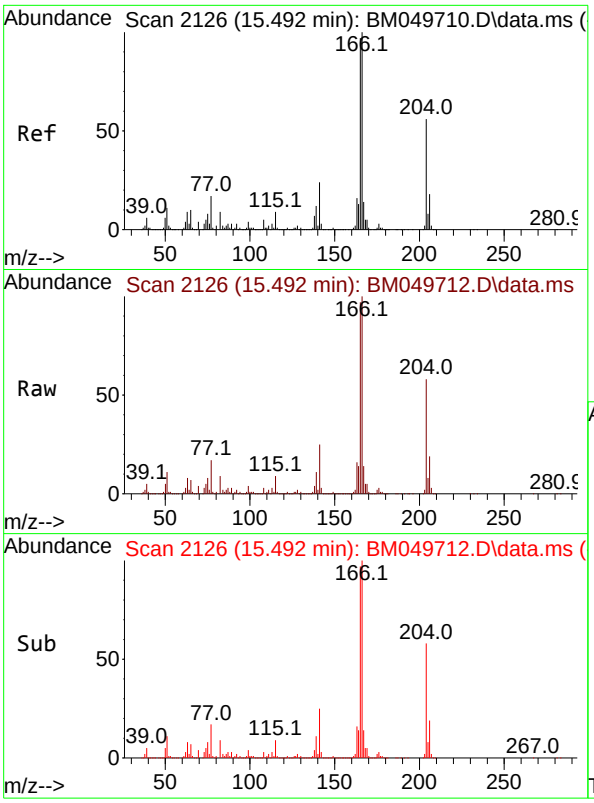


#60
Diethylphthalate
Concen: 64.207 ng
RT: 15.274 min Scan# 2089
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 2576429

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.2	27.2
150	12.2	10.0	15.0

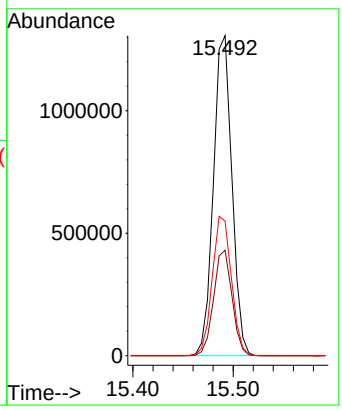




#61
4-Chlorophenyl-phenylether
Concen: 66.402 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:204 Resp: 167435

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.2	37.8
141	42.1	34.5	51.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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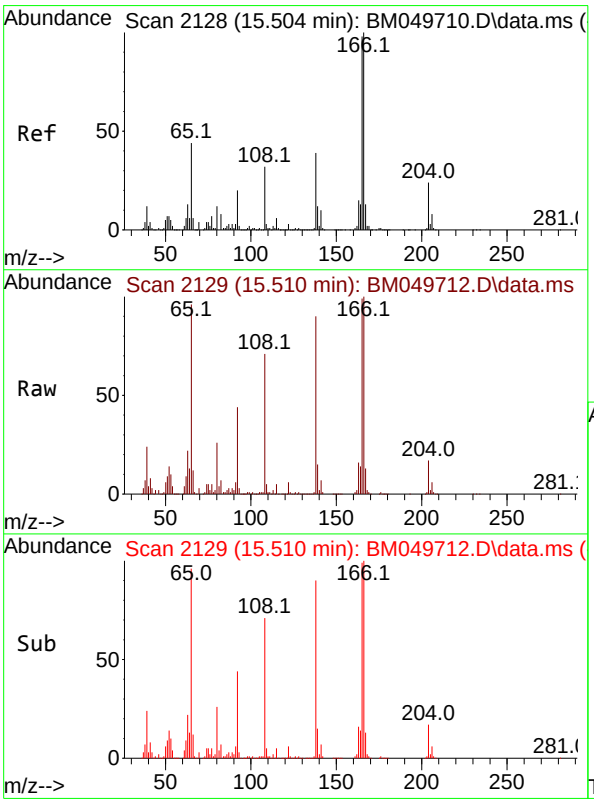
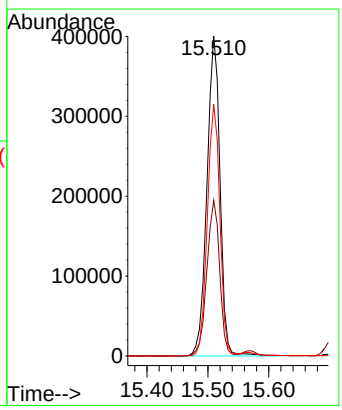
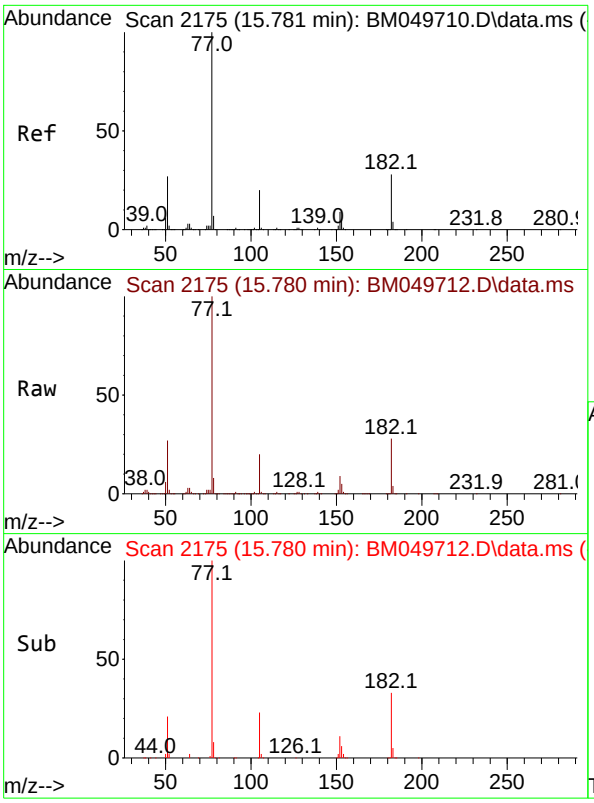


#62
4-Nitroaniline
Concen: 60.865 ng
RT: 15.510 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:138 Resp: 598859

Ion	Ratio	Lower	Upper
138	100		
92	48.6	29.8	69.8
108	78.6	61.3	101.3

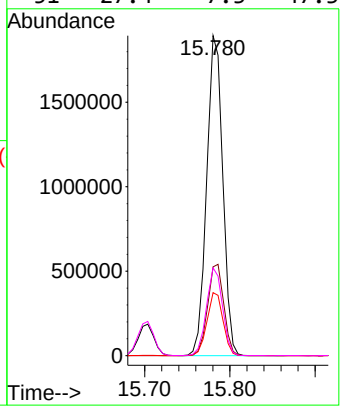




#63
Azobenzene
Concen: 64.760 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 77 Resp: 248211

Ion	Ratio	Lower	Upper
77	100		
182	27.8	8.0	48.0
105	19.7	0.0	40.0
51	27.4	7.3	47.3



Instrument :
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ClientSampleId :
SSTDICC060

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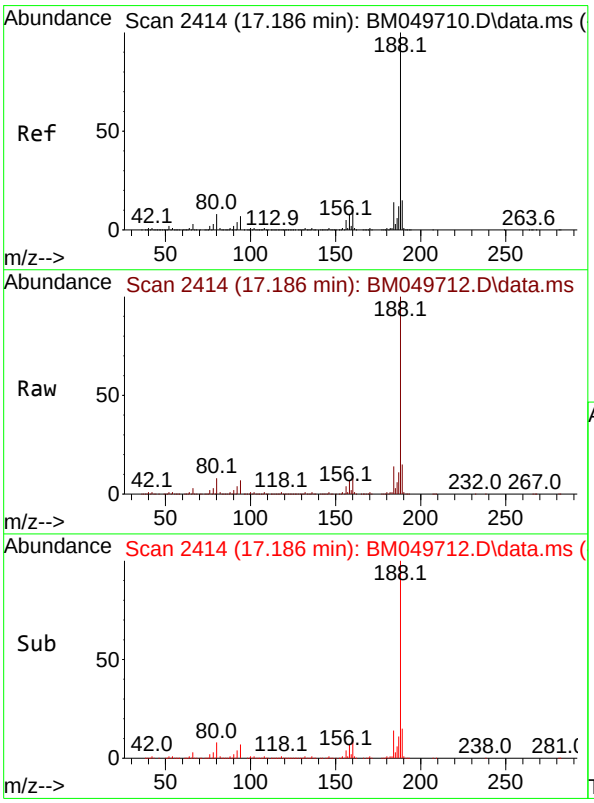
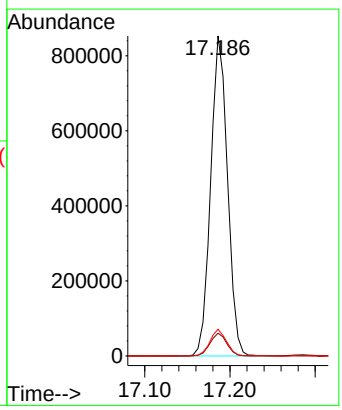
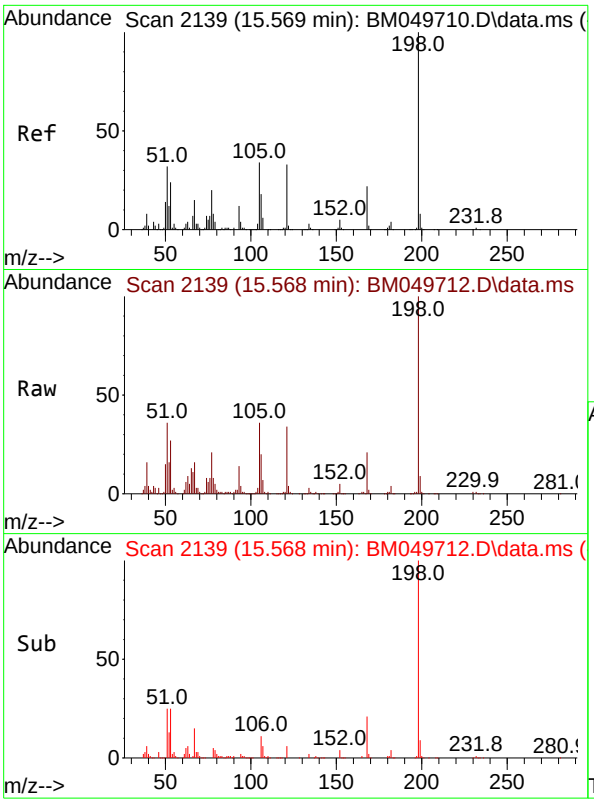


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:188 Resp: 1169651

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	8.3	6.3	9.5





#65
4,6-Dinitro-2-methylphenol
Concen: 61.103 ng
RT: 15.568 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:198 Resp: 41799

Ion	Ratio	Lower	Upper
198	100		
51	36.1	13.8	53.8
105	36.4	14.0	54.0

Instrument :
BNA_M
ClientSampleId :
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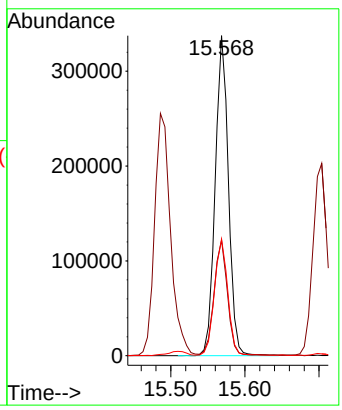
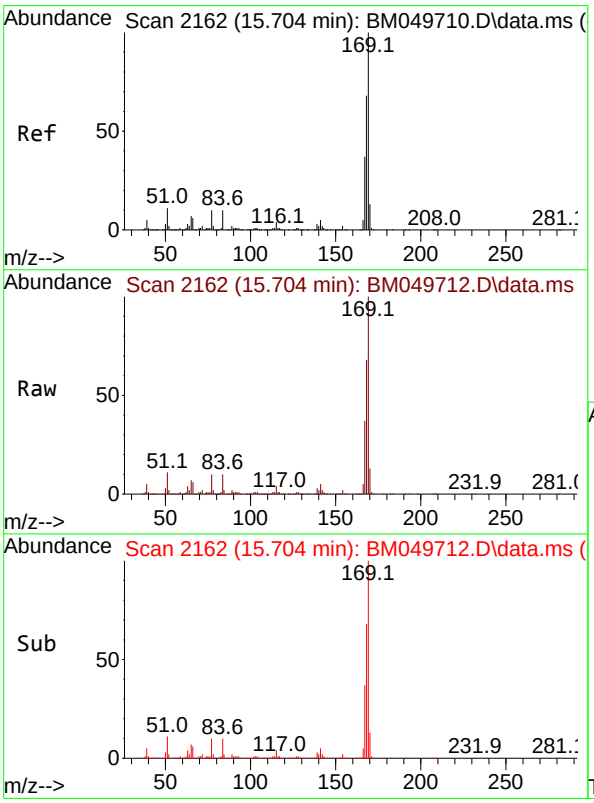
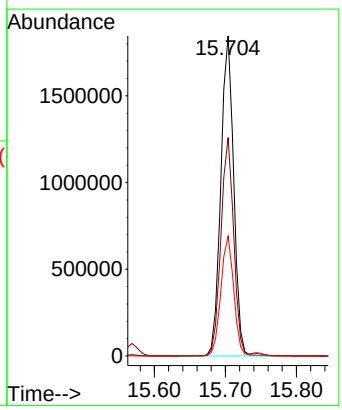


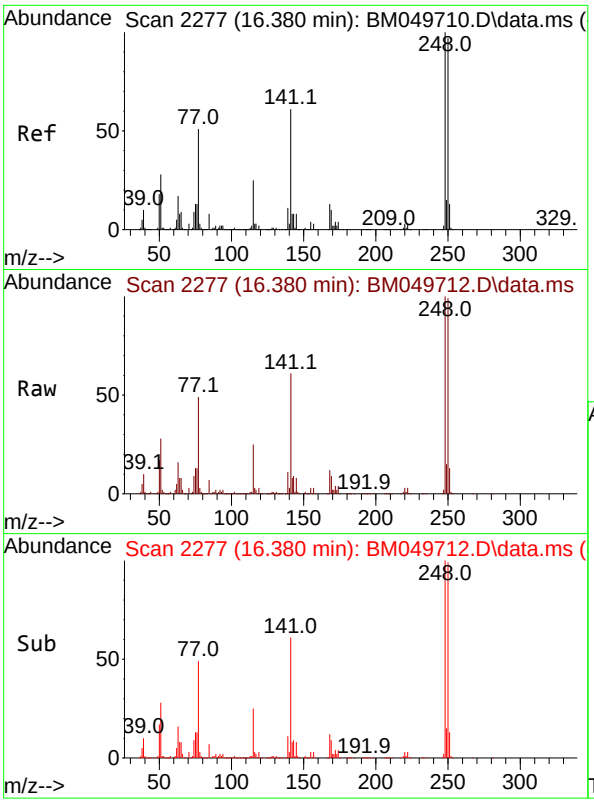


#66
n-Nitrosodiphenylamine
Concen: 64.980 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:169 Resp: 2302780

Ion	Ratio	Lower	Upper
169	100		
168	68.3	54.8	82.2
167	37.4	29.9	44.9





#67
4-Bromophenyl-phenylether
Concen: 65.299 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:248 Resp: 88181

Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.9	116.9
141	60.7	48.6	73.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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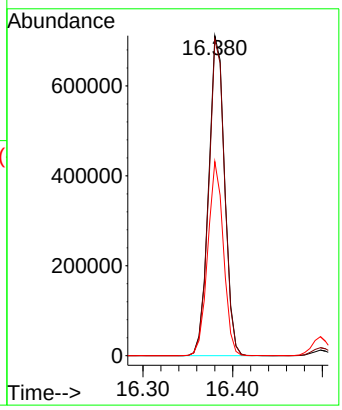
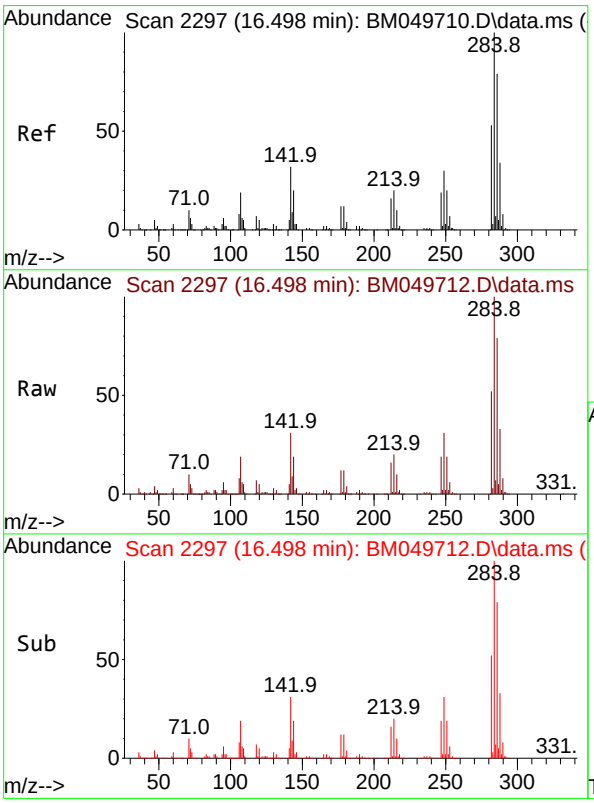
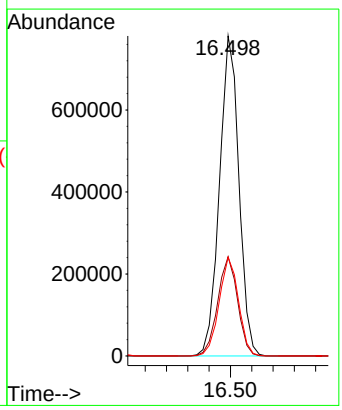


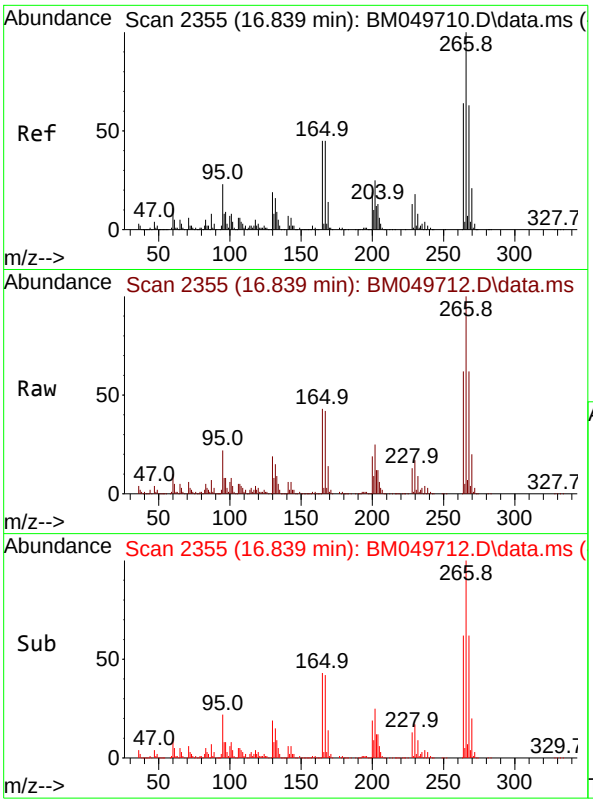


#68
Hexachlorobenzene
Concen: 64.964 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:284 Resp: 986543

Ion	Ratio	Lower	Upper
284	100		
142	31.0	25.5	38.3
249	30.9	24.2	36.2

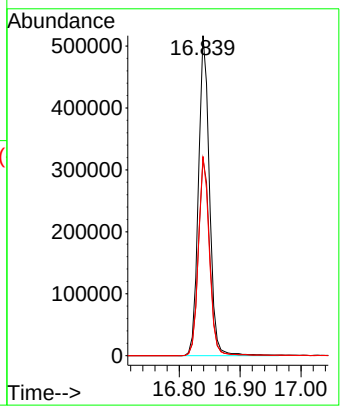




#70
Pentachlorophenol
Concen: 67.839 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:266 Resp: 64740

Ion	Ratio	Lower	Upper
266	100		
268	61.5	50.2	75.2
264	62.3	51.3	76.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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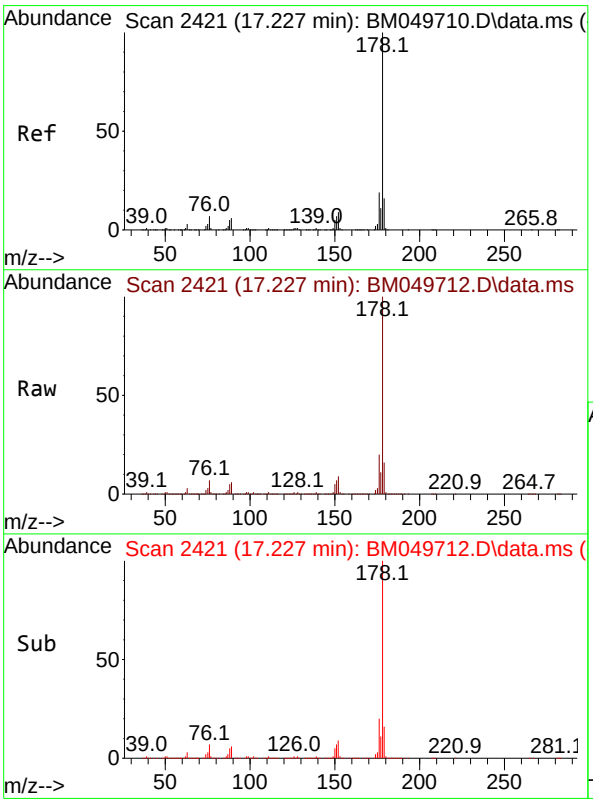
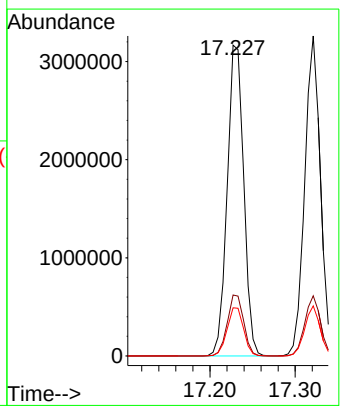
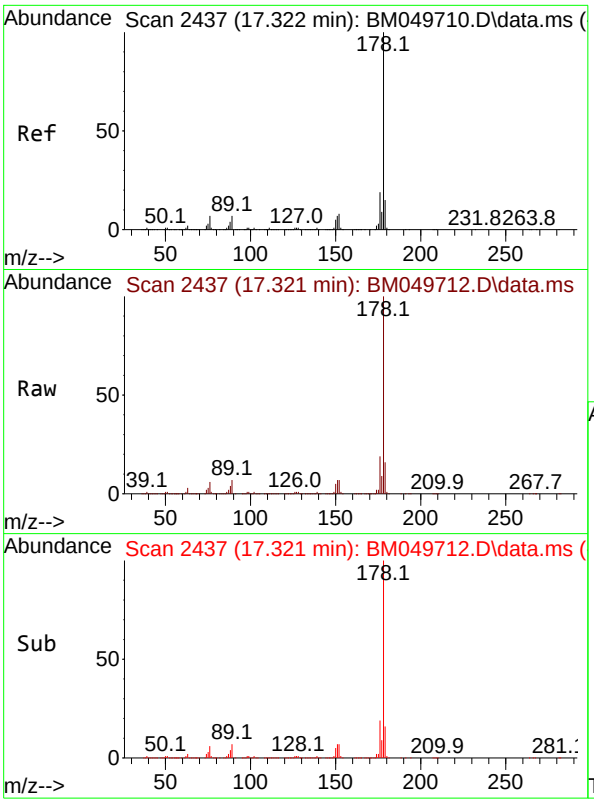


#71
Phenanthrene
Concen: 65.716 ng
RT: 17.227 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:178 Resp: 4268082

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.5	12.5	18.7

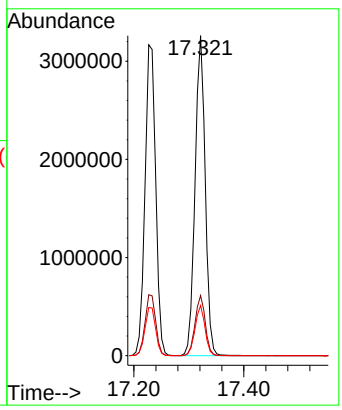




#72
Anthracene
Concen: 66.580 ng
RT: 17.321 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:178 Resp: 418783

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.7	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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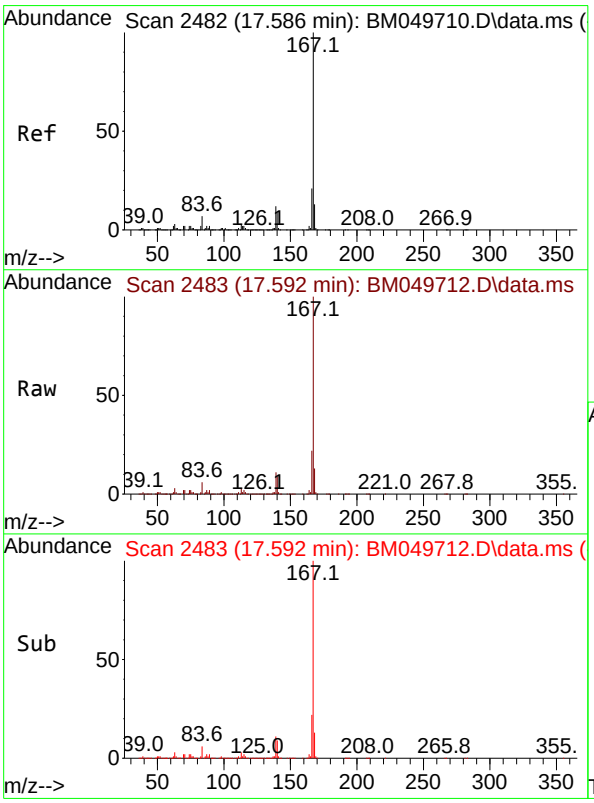
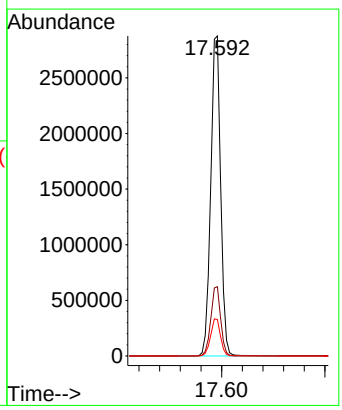
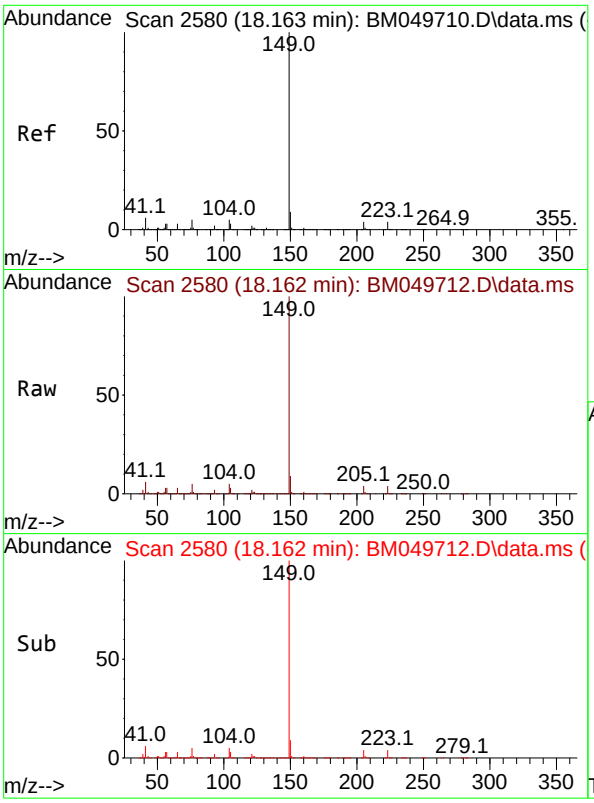


#73
Carbazole
Concen: 67.182 ng
RT: 17.592 min Scan# 2483
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:167 Resp: 3826935

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.4	9.4	14.2

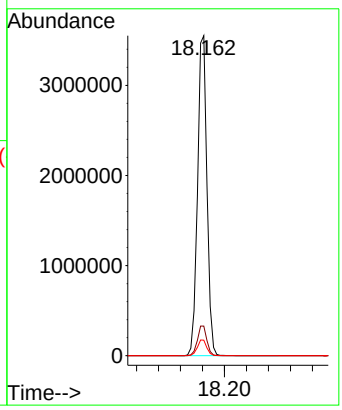




#74
Di-n-butylphthalate
Concen: 67.499 ng
RT: 18.162 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 421421

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.8	3.9	5.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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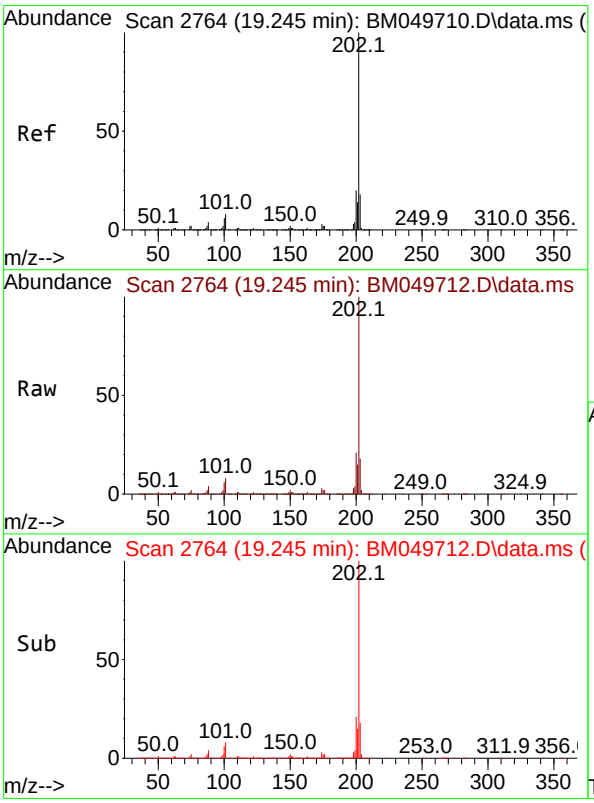
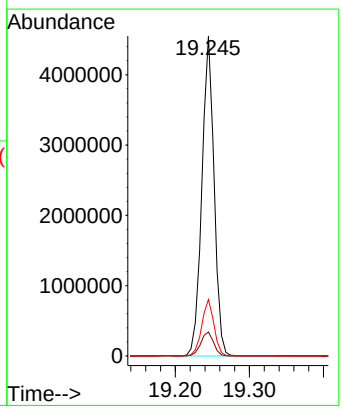
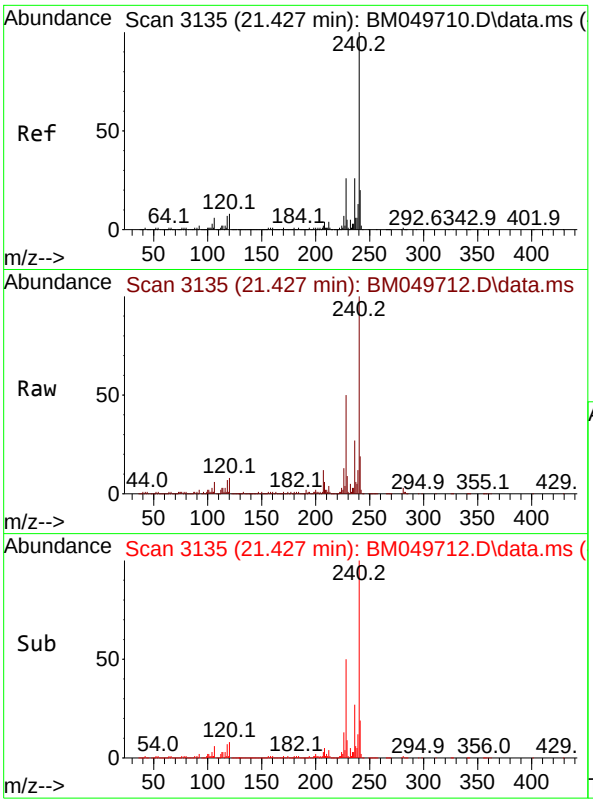


#75
Fluoranthene
Concen: 69.531 ng
RT: 19.245 min Scan# 2764
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:202 Resp: 5199093

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.8
203	17.7	0.0	37.6

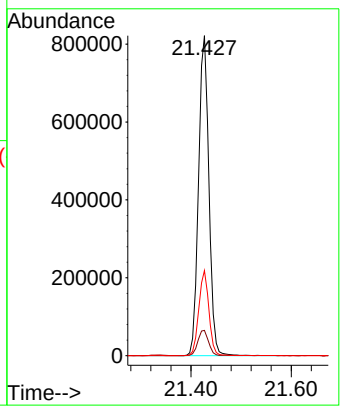




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:240 Resp: 117348

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	26.6	20.7	31.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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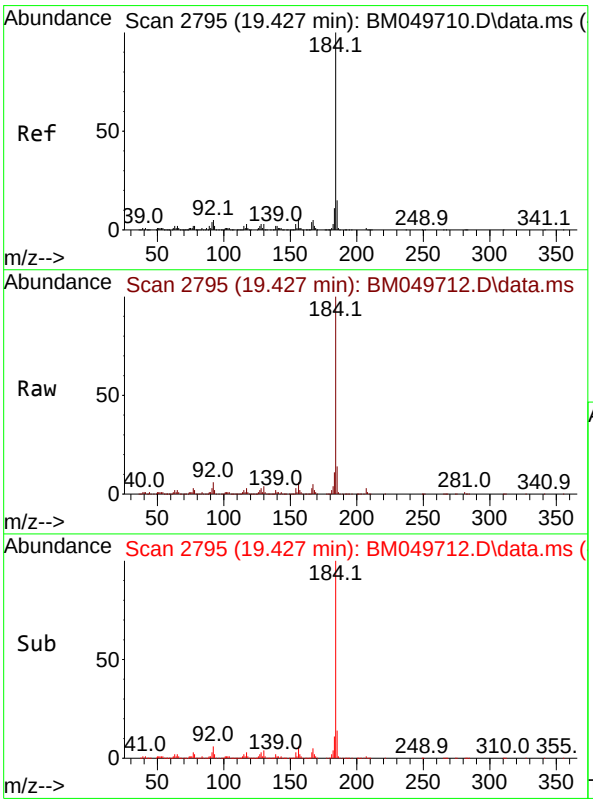
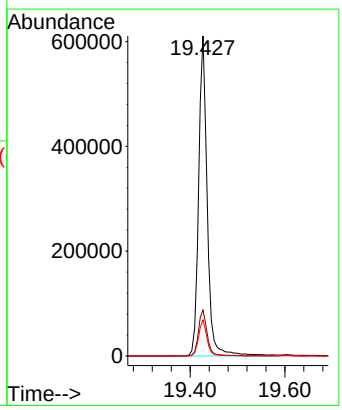
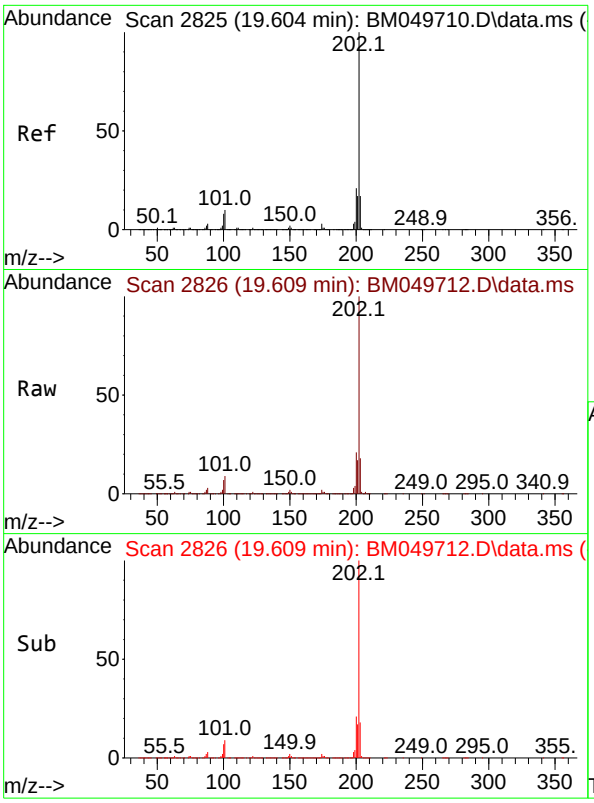


#77
Benzidine
Concen: 54.727 ng
RT: 19.427 min Scan# 2795
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:184 Resp: 771546

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.7	17.5
183	11.2	8.8	13.2

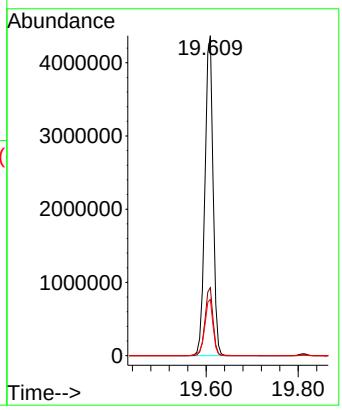




#78
Pyrene
Concen: 66.127 ng
RT: 19.609 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:202 Resp: 542153

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.6	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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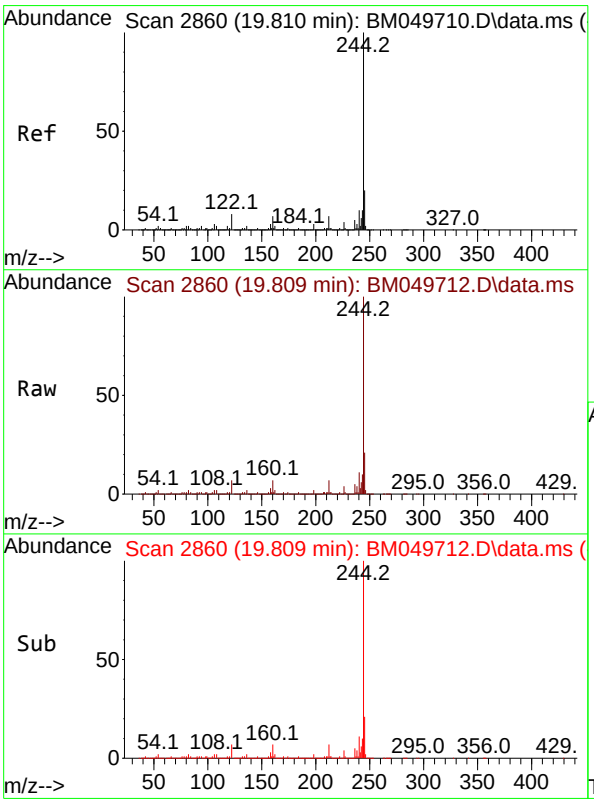
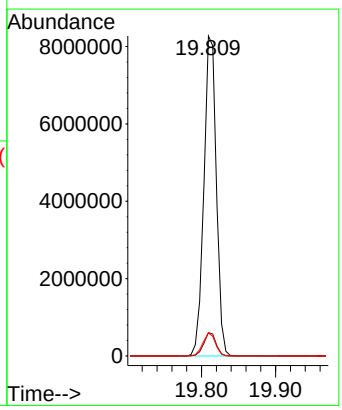
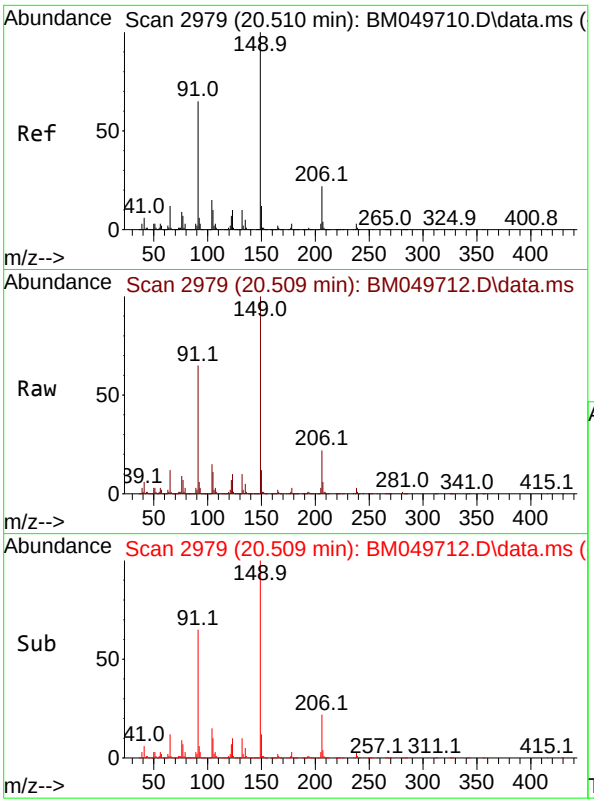


#79
Terphenyl-d14
Concen: 138.909 ng
RT: 19.809 min Scan# 2860
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:244 Resp: 9673323

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	7.2	6.0	9.0

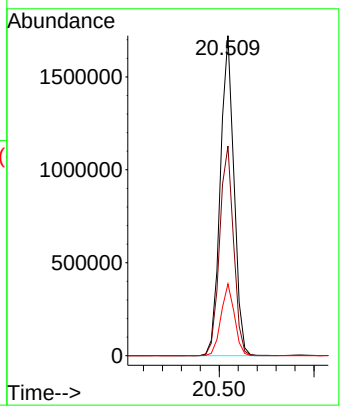




#80
Butylbenzylphthalate
Concen: 67.988 ng
RT: 20.509 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 172983

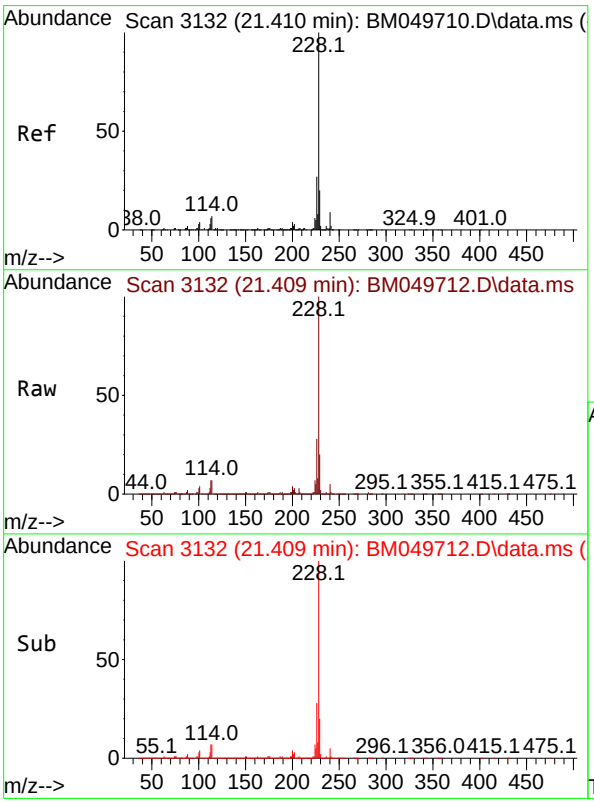
Ion	Ratio	Lower	Upper
149	100		
91	65.5	52.2	78.4
206	22.4	17.6	26.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

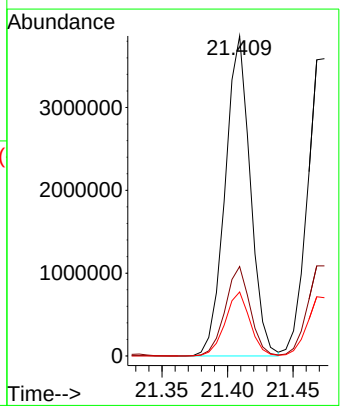
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

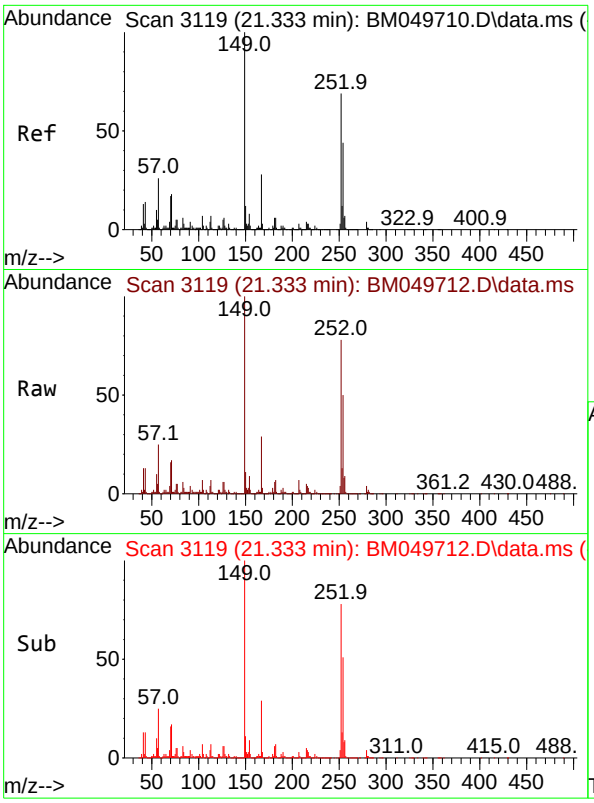


#81
Benzo(a)anthracene
Concen: 65.644 ng
RT: 21.409 min Scan# 3132
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:228 Resp: 5145212

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.0	33.0
229	20.0	15.8	23.8

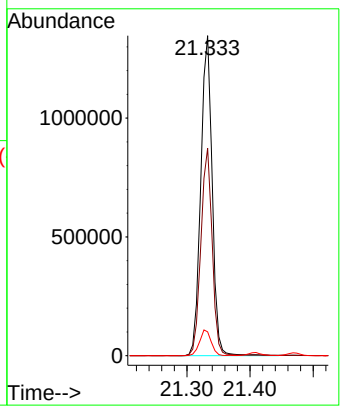




#82
3,3'-Dichlorobenzidine
Concen: 66.120 ng
RT: 21.333 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:252 Resp: 168731

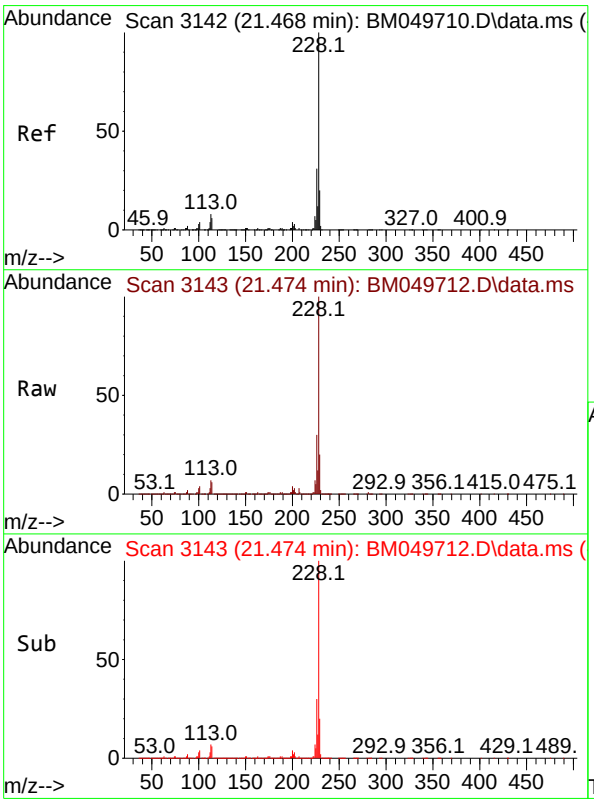
Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.0	76.4
126	7.5	6.3	9.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

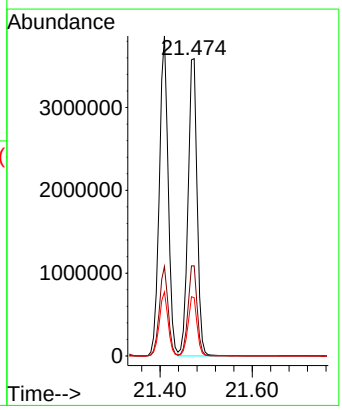
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

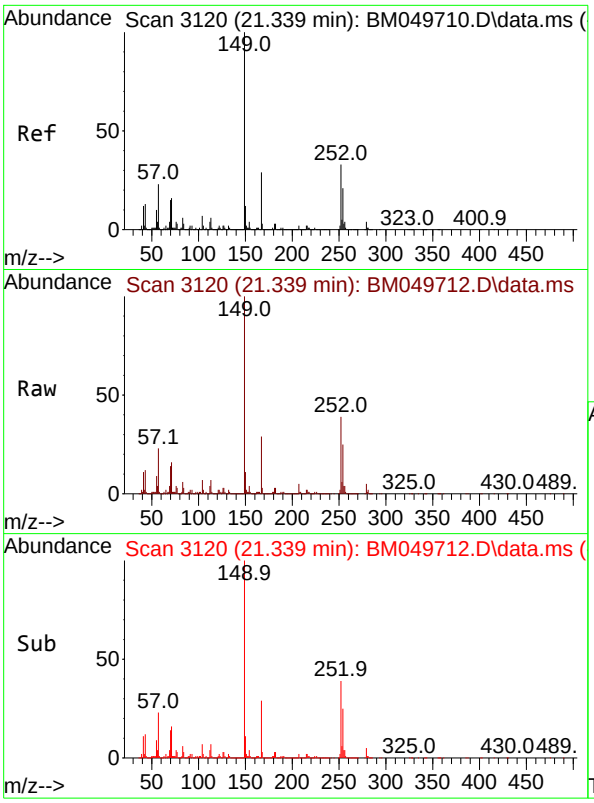


#83
Chrysene
Concen: 65.843 ng
RT: 21.474 min Scan# 3143
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:228 Resp: 4892160

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.6	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 66.414 ng
RT: 21.339 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

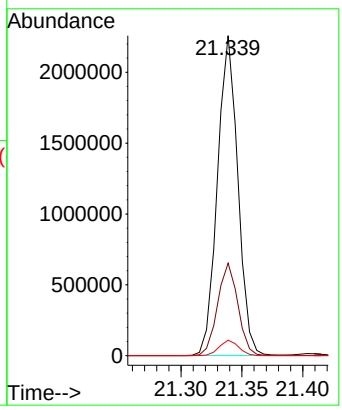
Tgt Ion:149 Resp: 263348

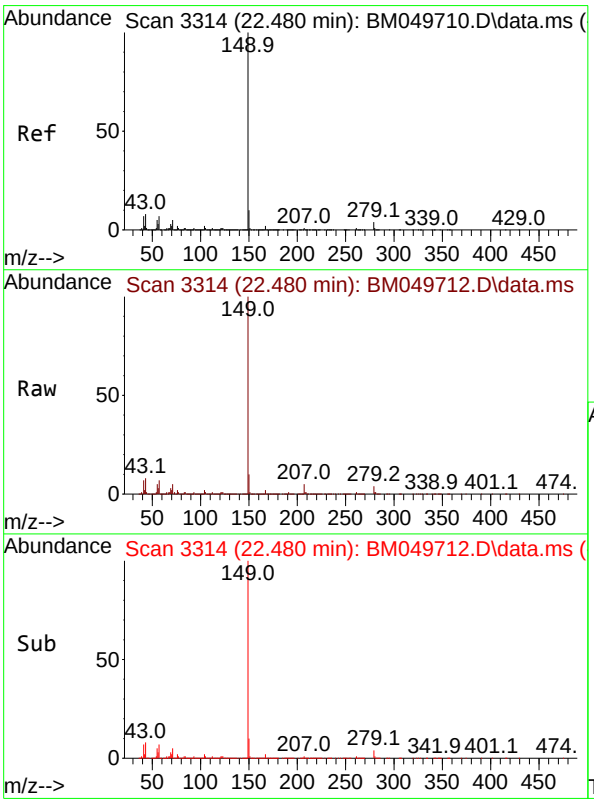
Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.9	34.3
279	4.8	3.5	5.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

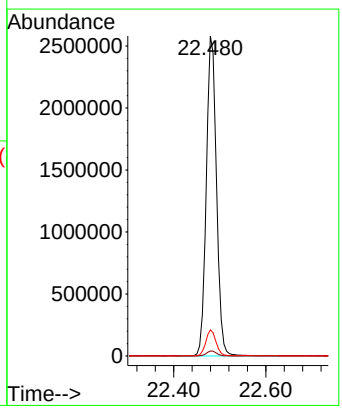


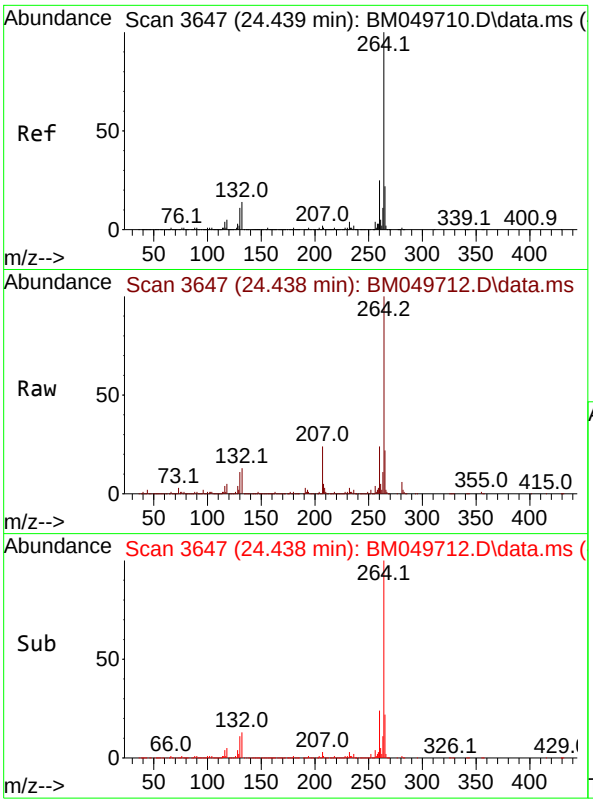


#85
Di-n-octyl phthalate
Concen: 64.539 ng
RT: 22.480 min Scan# 3314
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 3977588

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	6.8	10.2

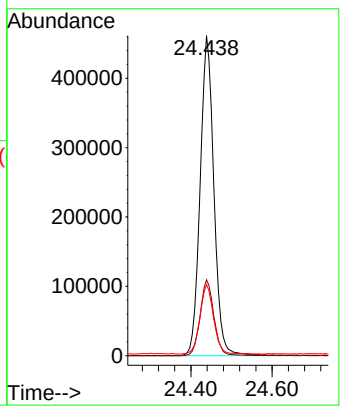




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.438 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:264 Resp: 108437

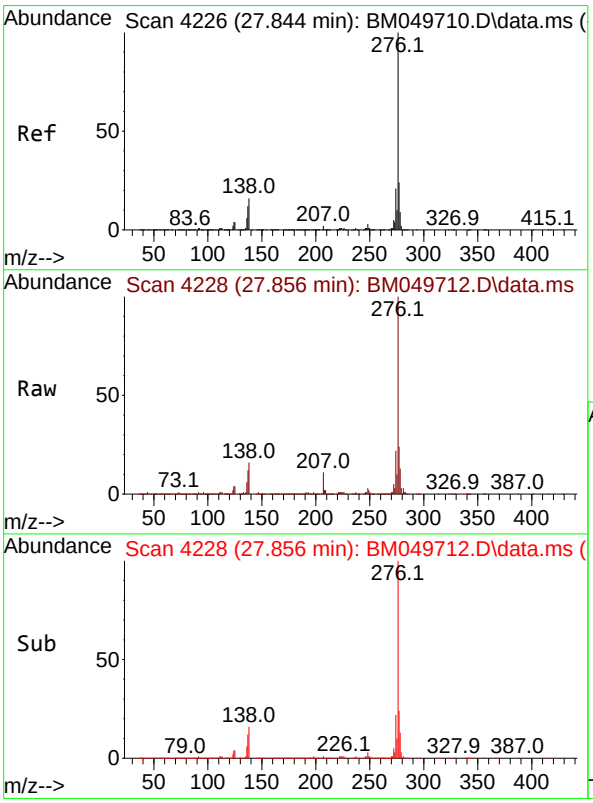
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.2	18.2	27.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

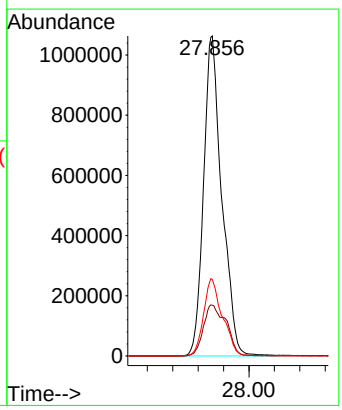
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

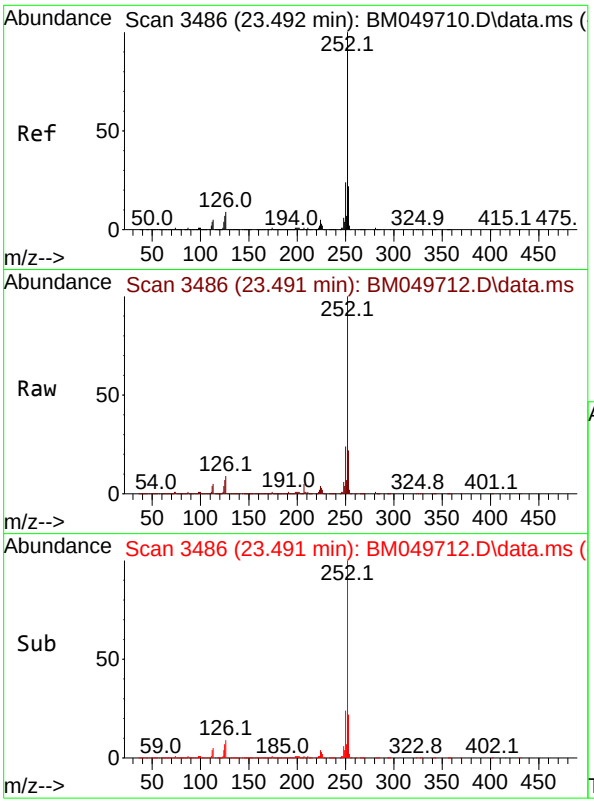


#87
Indeno(1,2,3-cd)pyrene
Concen: 67.923 ng
RT: 27.856 min Scan# 4228
Delta R.T. 0.011 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:276 Resp: 5301272

Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.3	24.5
277	24.9	19.9	29.9

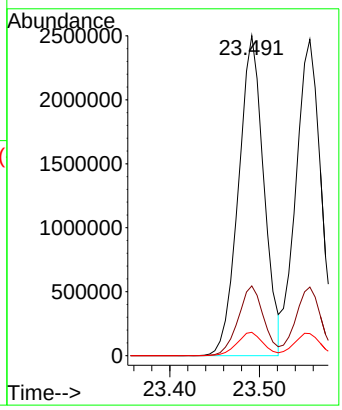




#88
Benzo(b)fluoranthene
Concen: 67.158 ng
RT: 23.491 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:252 Resp: 490497

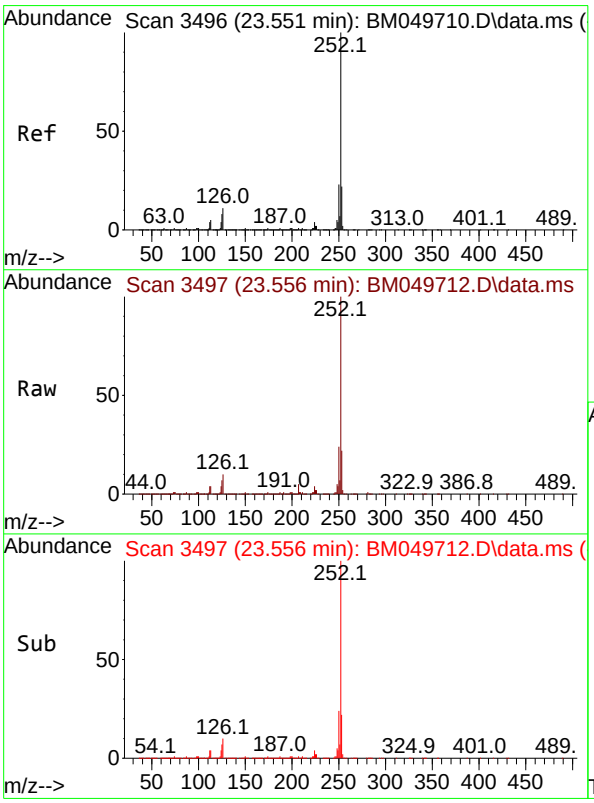
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	7.3	5.9	8.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

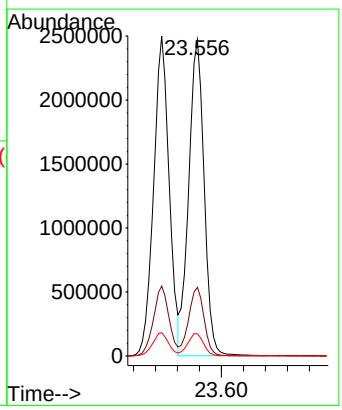
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

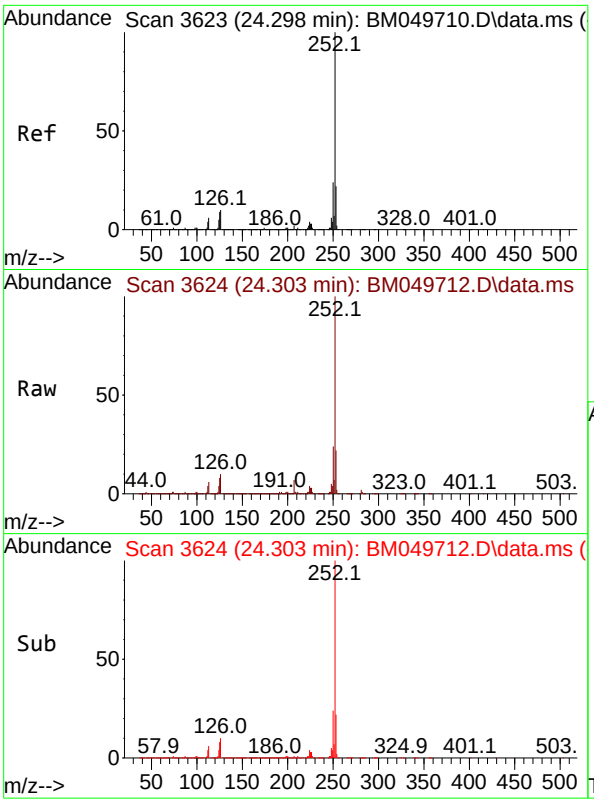


#89
Benzo(k)fluoranthene
Concen: 66.934 ng
RT: 23.556 min Scan# 3497
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:252 Resp: 4810286

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	7.0	6.2	9.2





#90
Benzo(a)pyrene
Concen: 67.883 ng
RT: 24.303 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:252 Resp: 416443

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.0	7.0	10.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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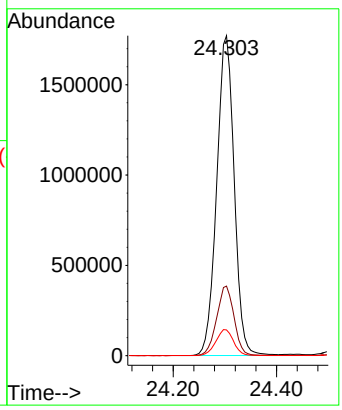
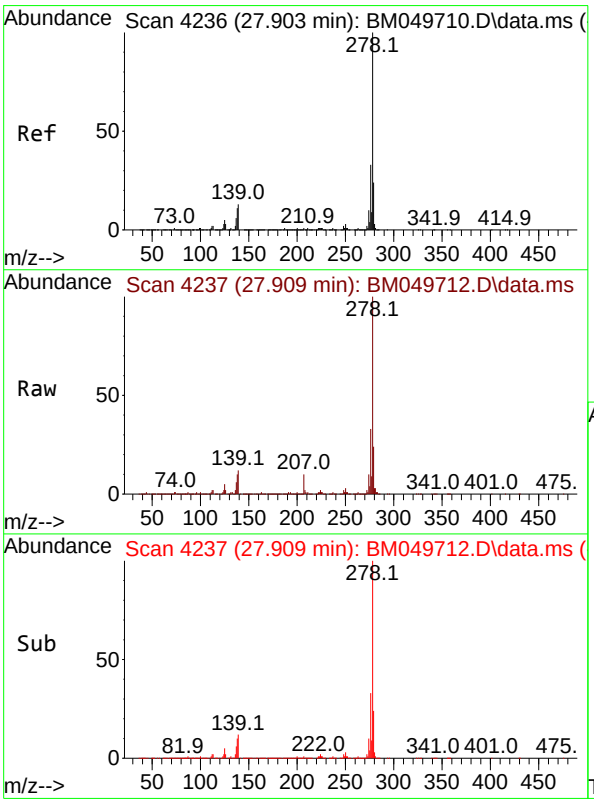
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

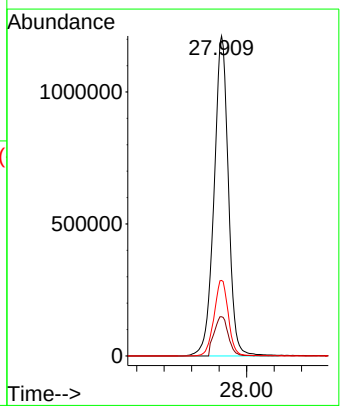


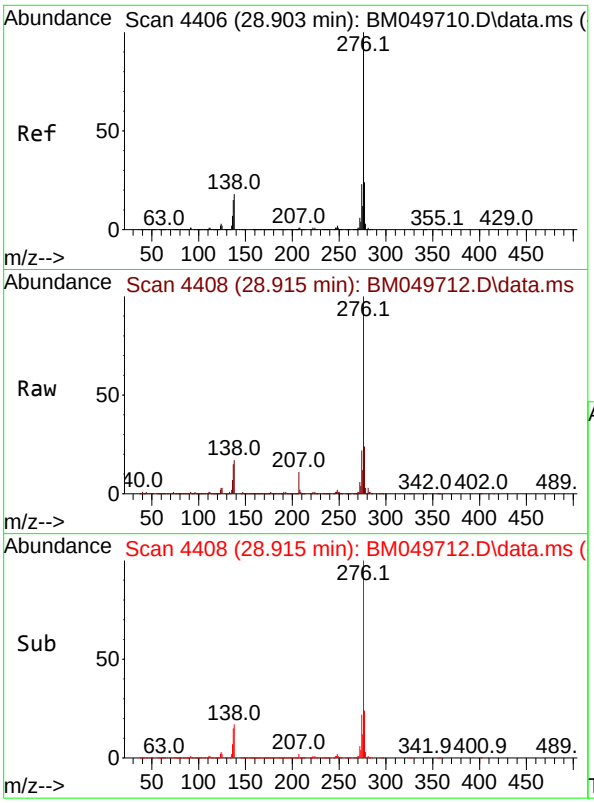


#91
Dibenzo(a,h)anthracene
Concen: 67.722 ng
RT: 27.909 min Scan# 4237
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:278 Resp: 4403728

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.1	15.1
279	23.6	19.1	28.7

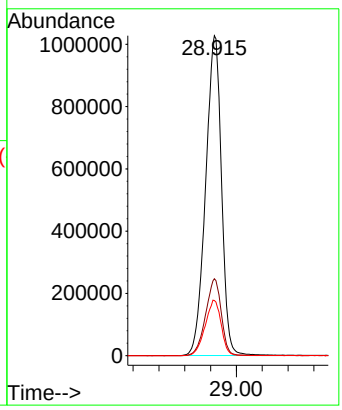




#92
Benzo(g,h,i)perylene
Concen: 66.781 ng
RT: 28.915 min Scan# 4
Delta R.T. 0.011 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:276 Resp: 437409

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	17.2	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049713.D
Acq On : 13 Mar 2025 13:37
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:44:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.810	152	320715	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1044790	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	642425	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1232487	20.000	ng		0.00
76) Chrysene-d12	21.427	240	1288590	20.000	ng		0.00
86) Perylene-d12	24.445	264	1147839	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	3303811	173.818	ng		0.00
7) Phenol-d6	6.987	99	4111683	172.375	ng		0.00
23) Nitrobenzene-d5	8.969	82	3528480	173.392	ng		0.00
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng		
45) 2-Fluorobiphenyl	13.075	172	9151795	178.410	ng		0.00
79) Terphenyl-d14	19.810	244	12066561	157.797	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	693723	84.311	ng		98
3) Pyridine	3.687	79	1736277m	82.522	ng		
4) n-Nitrosodimethylamine	3.593	42	760047	81.744	ng		98
6) Aniline	7.146	93	1551413	77.633	ng		100
8) 2-Chlorophenol	7.375	128	1587429	84.337	ng		99
10) Phenol	7.010	94	1947710	84.211	ng		99
11) bis(2-Chloroethyl)ether	7.234	93	1554529	82.999	ng		99
12) 1,3-Dichlorobenzene	7.699	146	1912608	83.613	ng		99
13) 1,4-Dichlorobenzene	7.846	146	1925476	83.439	ng		99
14) 1,2-Dichlorobenzene	8.163	146	1811374	82.593	ng		98
15) Benzyl Alcohol	8.052	79	1307396	87.341	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.346	45	1755494	79.747	ng		99
17) 2-Methylphenol	8.257	107	1165523	84.879	ng		99
18) Hexachloroethane	8.893	117	686259	84.211	ng		91
19) n-Nitroso-di-n-propyla...	8.622	70	1186843	85.807	ng		98
20) 3+4-Methylphenols	8.587	107	1582502	85.996	ng		99
22) Acetophenone	8.628	105	2292495	85.099	ng	#	99
24) Nitrobenzene	9.010	77	1636270	85.275	ng		98
25) Isophorone	9.540	82	2791486	89.344	ng		99
26) 2-Nitrophenol	9.716	139	784824	96.097	ng		99
27) 2,4-Dimethylphenol	9.787	122	932622	89.713	ng		98
28) bis(2-Chloroethoxy)met...	10.016	93	1893999	86.068	ng		99
29) 2,4-Dichlorophenol	10.257	162	1520440	89.758	ng		100
30) 1,2,4-Trichlorobenzene	10.469	180	1835587	86.611	ng		99
31) Naphthalene	10.657	128	4667851	86.886	ng		100
32) Benzoic acid	9.951	122	869055	98.267	ng		99
33) 4-Chloroaniline	10.763	127	1574032	85.850	ng		99
34) Hexachlorobutadiene	10.945	225	1152996	88.127	ng		99
35) Caprolactam	11.563	113	376485	95.730	ng		98
36) 4-Chloro-3-methylphenol	11.898	107	1350170	92.879	ng		99
37) 2-Methylnaphthalene	12.269	142	3320321	88.386	ng		100
38) 1-Methylnaphthalene	12.487	142	3199086	88.266	ng		99
40) 1,2,4,5-Tetrachloroben...	12.639	216	2141091	90.734	ng		98
41) Hexachlorocyclopentadiene	12.622	237	794094	90.835	ng		98
43) 2,4,6-Trichlorophenol	12.881	196	1245983	94.277	ng		99
44) 2,4,5-Trichlorophenol	12.951	196	1327706	92.060	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049713.D
Acq On : 13 Mar 2025 13:37
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Mar 13 14:44:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.281	154	4324552	87.343	ng		99
47) 2-Chloronaphthalene	13.322	162	3342606	86.734	ng		99
48) 2-Nitroaniline	13.522	65	823026	95.132	ng		98
49) Acenaphthylene	14.169	152	4822145	89.516	ng		99
50) Dimethylphthalate	13.910	163	3886504	87.869	ng		100
51) 2,6-Dinitrotoluene	14.022	165	806435	90.994	ng		96
52) Acenaphthene	14.516	154	3143606	89.077	ng		99
53) 3-Nitroaniline	14.351	138	796441	94.437	ng		99
54) 2,4-Dinitrophenol	14.551	184	448121	79.774	ng		99
55) Dibenzofuran	14.845	168	5185747	88.075	ng		99
56) 4-Nitrophenol	14.669	139	686661	93.537	ng		96
57) 2,4-Dinitrotoluene	14.810	165	1093074	95.850	ng		99
58) Fluorene	15.498	166	4450434	92.838	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.075	232	1157649	95.892	ng		98
60) Diethylphthalate	15.275	149	3759097	90.238	ng		98
61) 4-Chlorophenyl-phenyle...	15.492	204	2474798	94.541	ng		96
62) 4-Nitroaniline	15.516	138	844824	81.361	ng		98
63) Azobenzene	15.786	77	3572876	89.793	ng		97
65) 4,6-Dinitro-2-methylph...	15.575	198	629745	79.696	ng		98
66) n-Nitrosodiphenylamine	15.704	169	3345747	89.598	ng		99
67) 4-Bromophenyl-phenylether	16.386	248	1331345	93.560	ng		95
68) Hexachlorobenzene	16.498	284	1464777	91.538	ng		98
70) Pentachlorophenol	16.839	266	985815	98.033	ng		98
71) Phenanthrene	17.233	178	6176071	90.245	ng		100
72) Anthracene	17.322	178	6142455	92.677	ng		99
73) Carbazole	17.592	167	5563088	92.681	ng		99
74) Di-n-butylphthalate	18.163	149	6356664	96.623	ng		99
75) Fluoranthene	19.245	202	7783589	98.788	ng		99
77) Benzidine	19.427	184	1374821	88.806	ng		99
78) Pyrene	19.610	202	8049120	89.407	ng		99
80) Butylbenzylphthalate	20.510	149	2716011	97.212	ng		98
81) Benzo(a)anthracene	21.409	228	7806292	90.698	ng		99
82) 3,3'-Dichlorobenzidine	21.333	252	2739621	97.766	ng		99
83) Chrysene	21.474	228	7399577	90.694	ng		99
84) Bis(2-ethylhexyl)phtha...	21.339	149	4246419	97.524	ng	#	96
85) Di-n-octyl phthalate	22.486	149	6646660	98.213	ng		98
87) Indeno(1,2,3-cd)pyrene	27.856	276	7894972	95.562	ng		99
88) Benzo(b)fluoranthene	23.498	252	7512407	97.171	ng		99
89) Benzo(k)fluoranthene	23.562	252	7220461	94.915	ng		98
90) Benzo(a)pyrene	24.309	252	6327756	97.443	ng		99
91) Dibenzo(a,h)anthracene	27.921	278	6611470	96.052	ng		100
92) Benzo(g,h,i)perylene	28.927	276	6460933	93.187	ng		99

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

ICAL Form

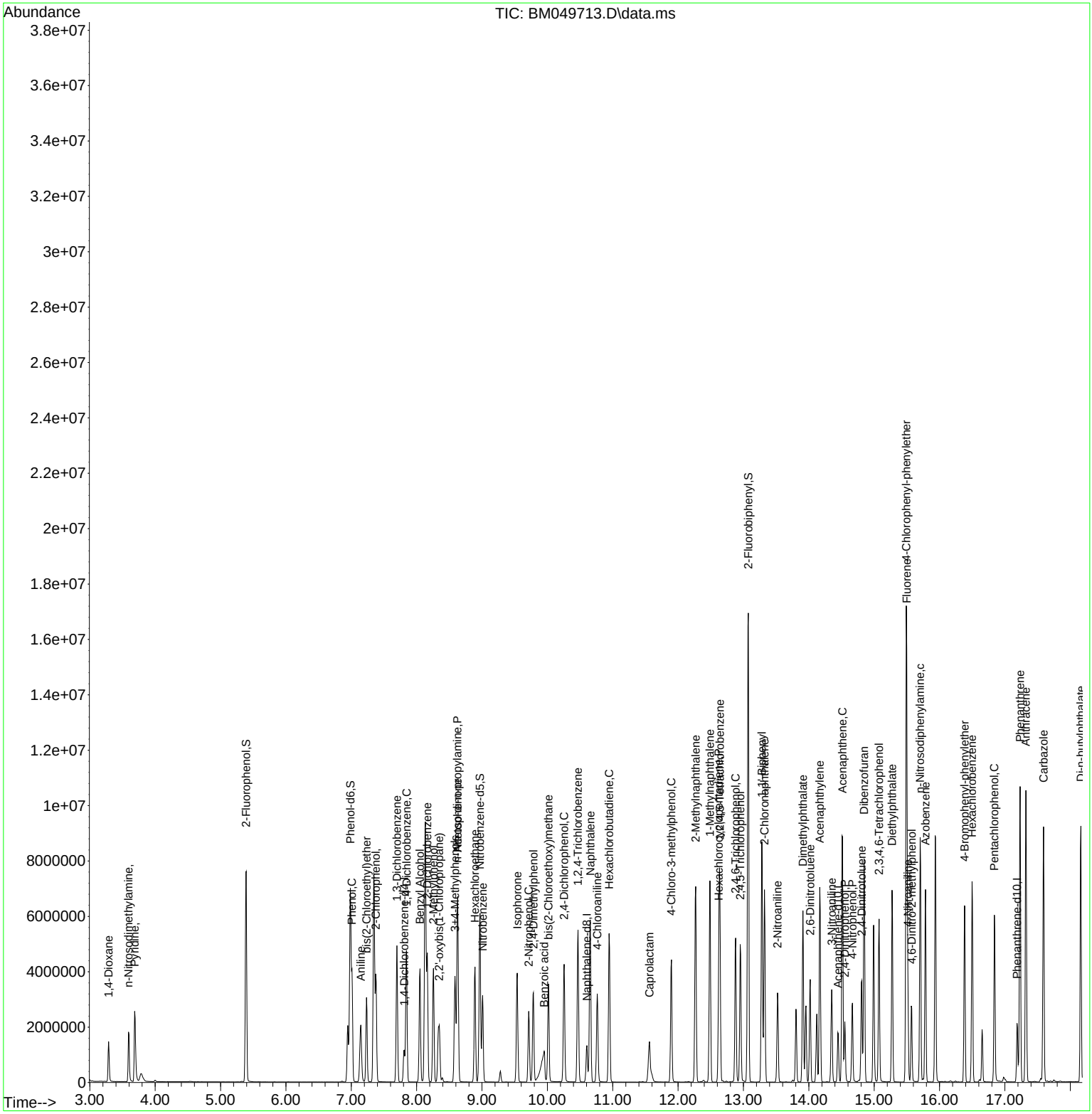
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049713.D
Acq On : 13 Mar 2025 13:37
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 13 14:44:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



ICAL Form

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Data File : BM049713.D
Acq On : 13 Mar 2025 13:37
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 13 14:44:06 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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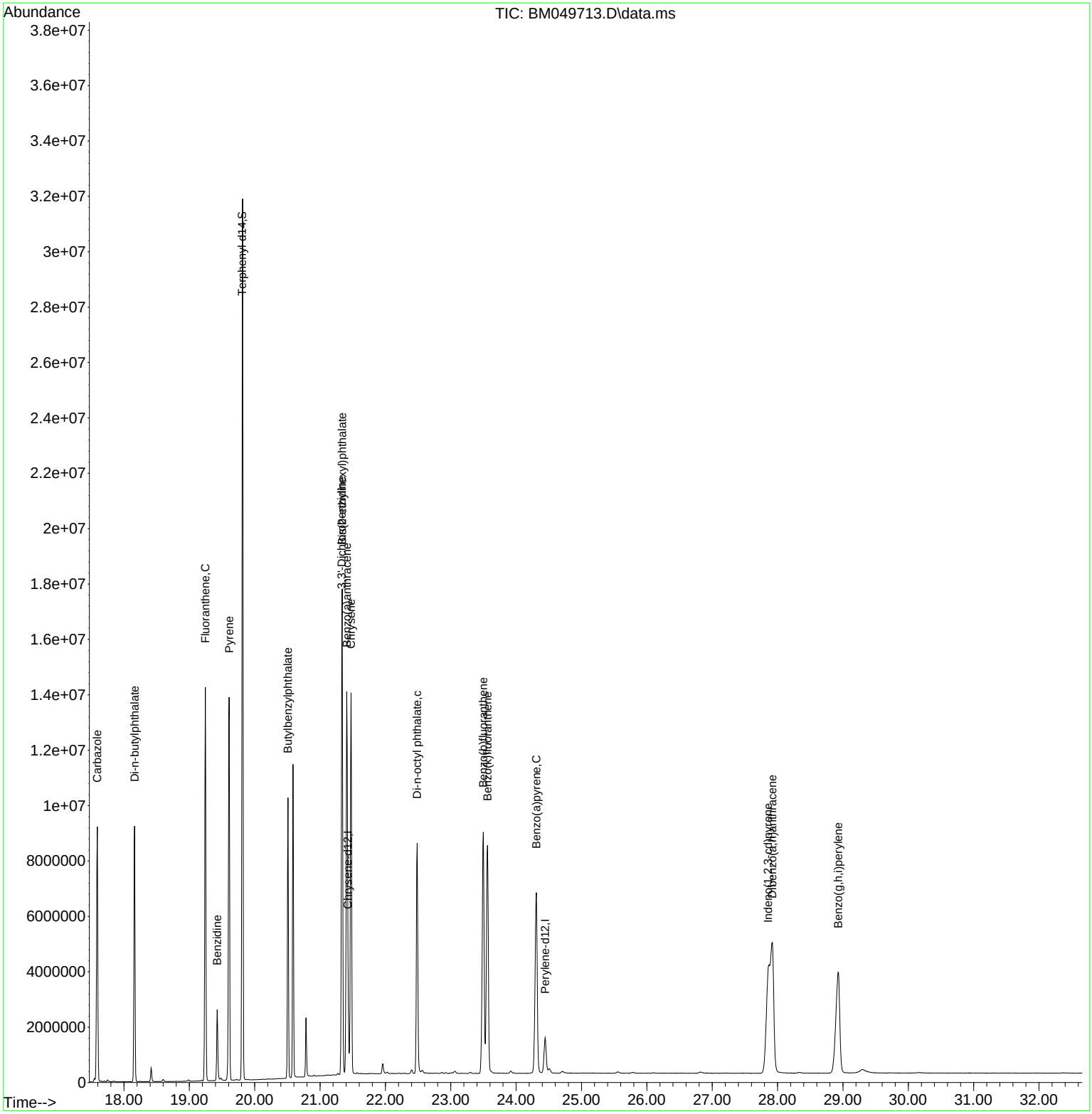
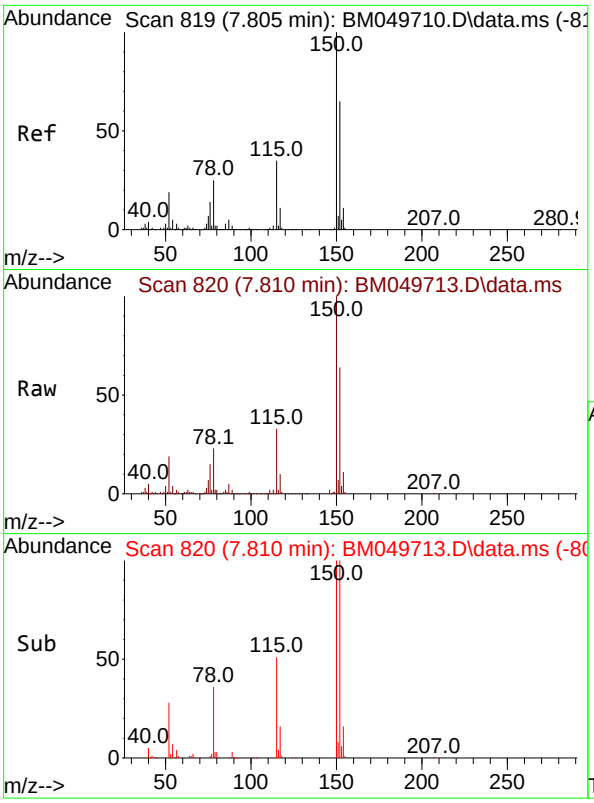
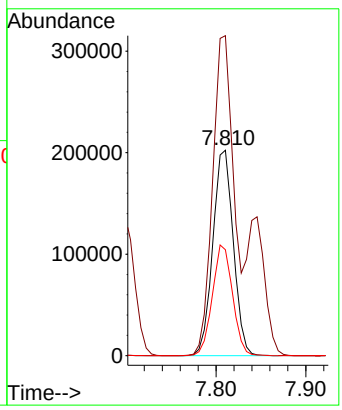




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:152 Resp: 32071

Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.8	185.8
115	51.5	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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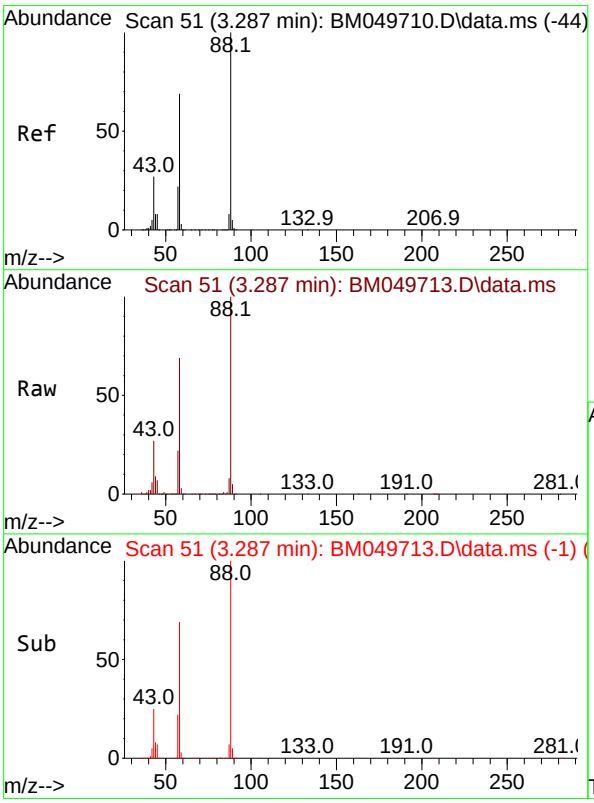
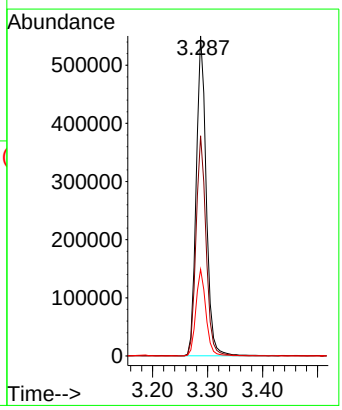
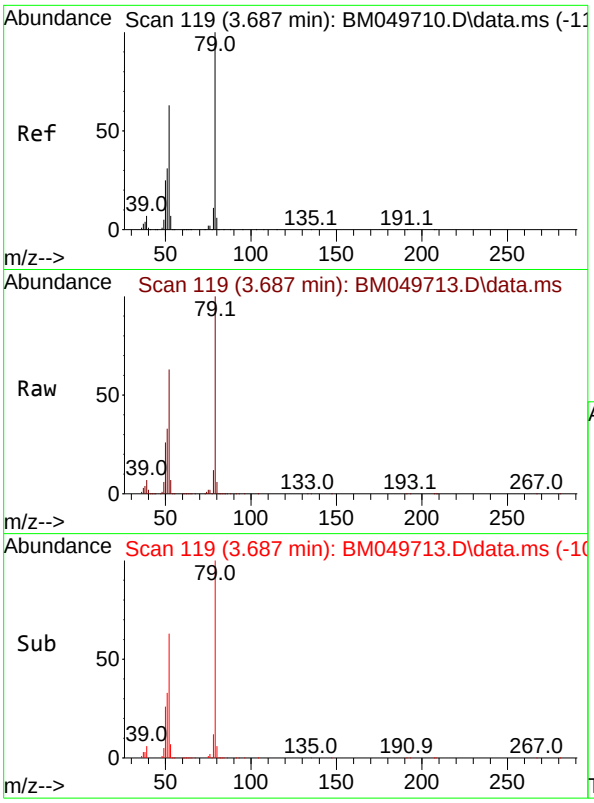


#2
1,4-Dioxane
Concen: 84.311 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 88 Resp: 693723

Ion	Ratio	Lower	Upper
88	100		
58	69.3	56.7	85.1
43	27.1	22.6	34.0

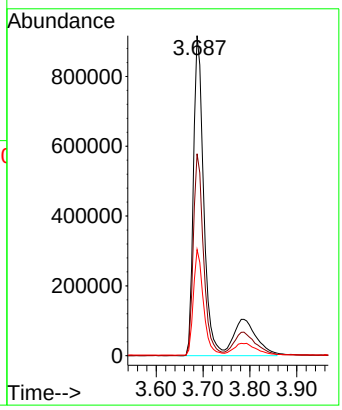




#3
Pyridine
Concen: 82.522 ng m
RT: 3.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 79 Resp: 173627

Ion	Ratio	Lower	Upper
79	100		
52	63.1	50.1	75.1
51	33.1	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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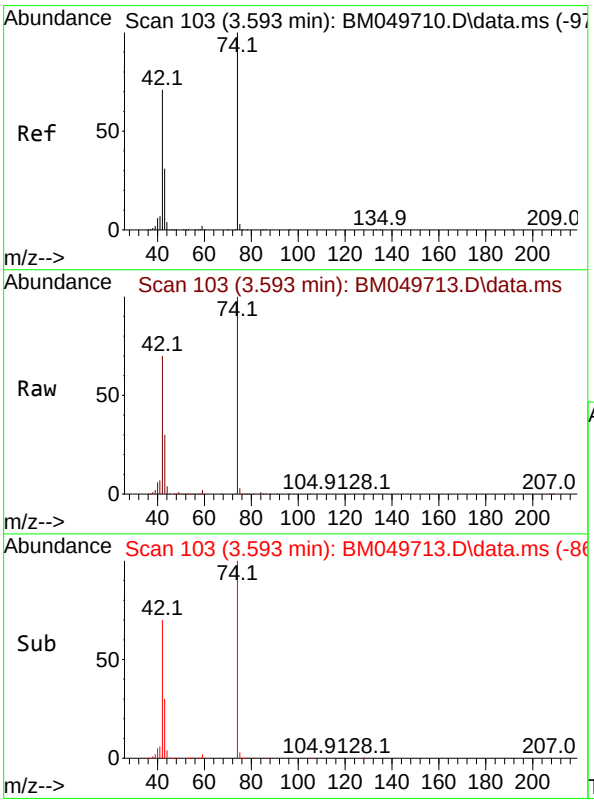
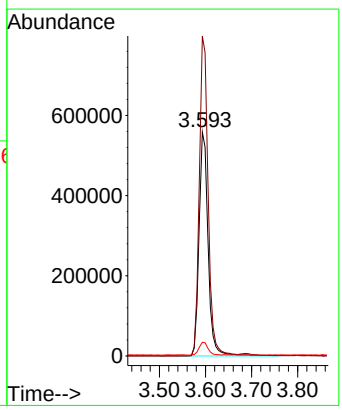
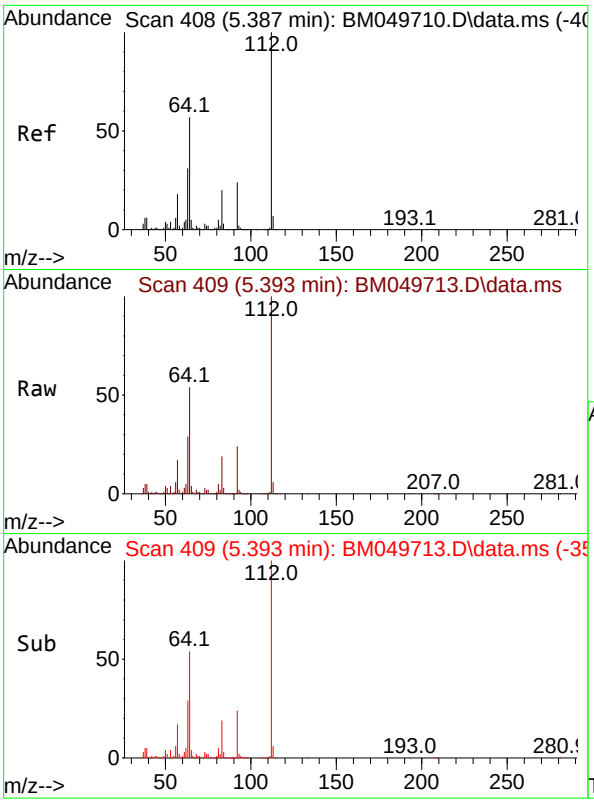


#4
n-Nitrosodimethylamine
Concen: 81.744 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 42 Resp: 760047

Ion	Ratio	Lower	Upper
42	100		
74	143.0	112.6	168.8
44	6.1	5.0	7.6

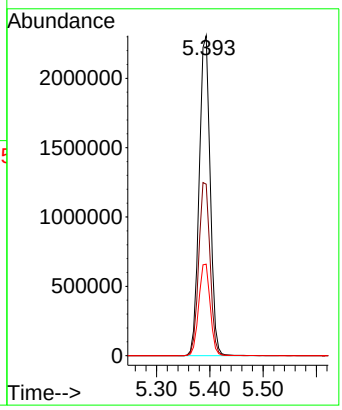




#5
2-Fluorophenol
Concen: 173.818 ng
RT: 5.393 min Scan# 4(
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:112 Resp: 330381

Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.3	67.9
63	28.6	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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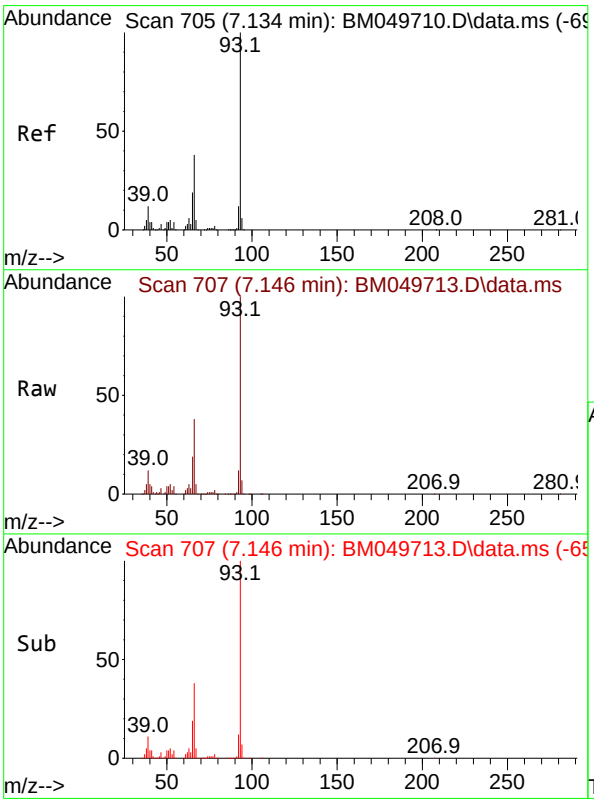
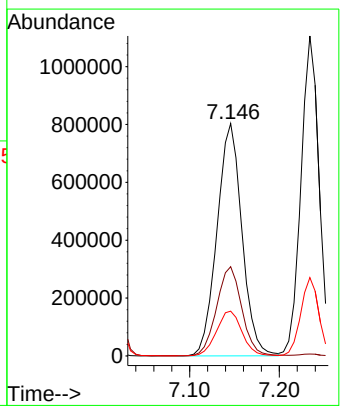
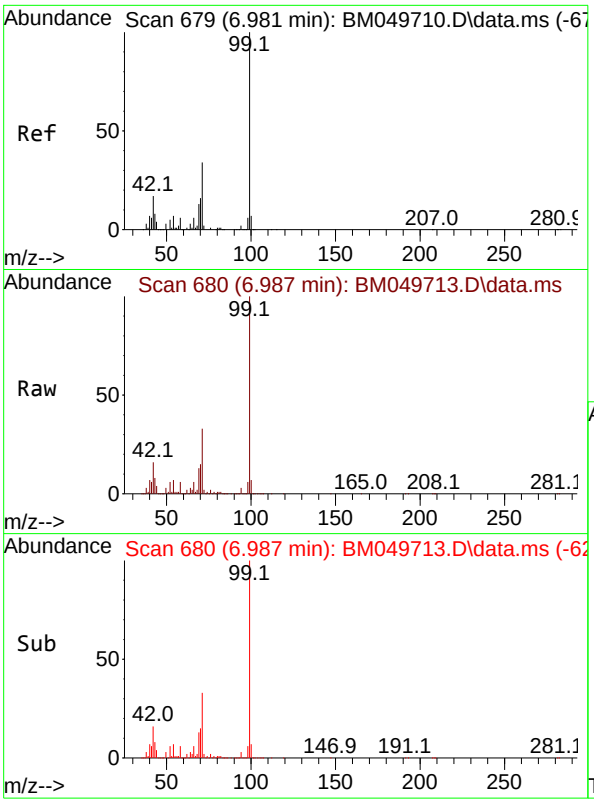


#6
Aniline
Concen: 77.633 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 93 Resp: 1551413

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.6	46.0
65	19.3	15.4	23.2

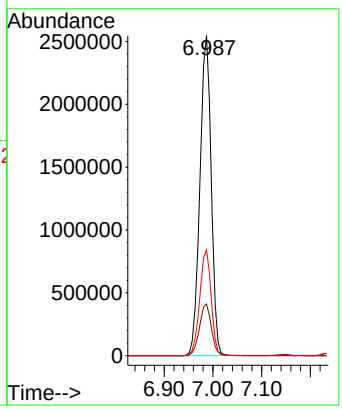




#7
Phenol-d6
Concen: 172.375 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 99 Resp: 411168

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.6	20.4
71	33.1	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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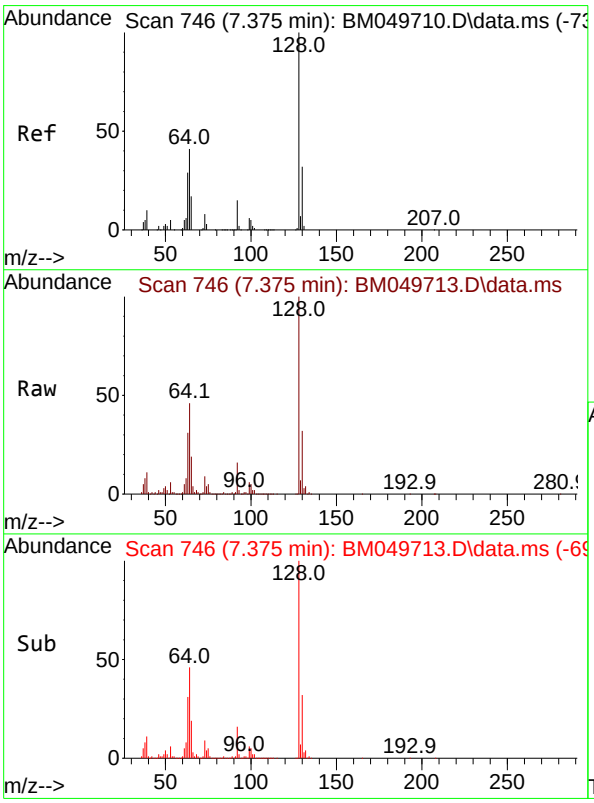
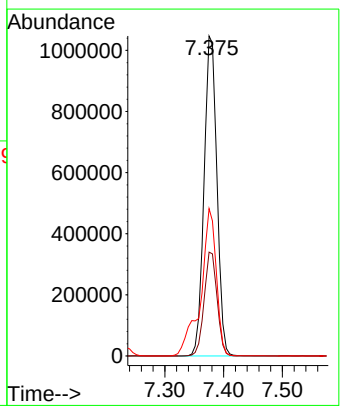
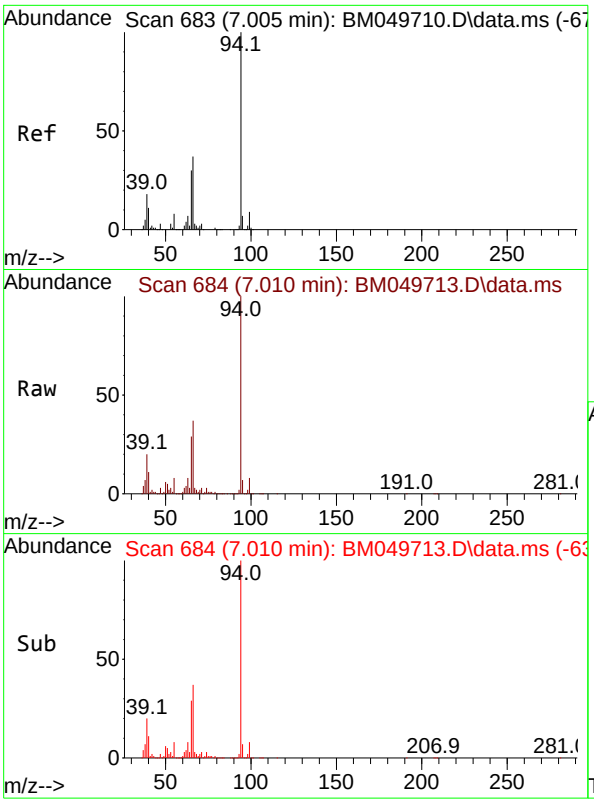


#8
2-Chlorophenol
Concen: 84.337 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:128 Resp: 1587429

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.5	52.5
64	46.1	24.9	64.9





#10
Phenol
Concen: 84.211 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 94 Resp: 194771

Ion	Ratio	Lower	Upper
94	100		
65	29.2	10.4	50.4
66	37.0	17.1	57.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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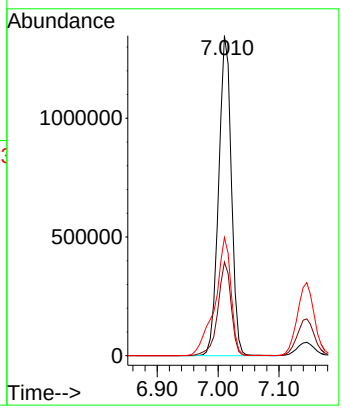
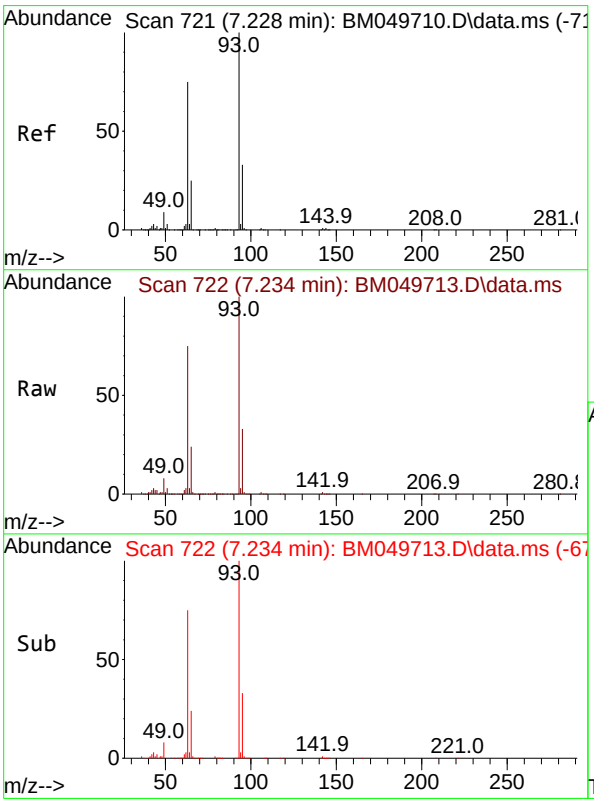
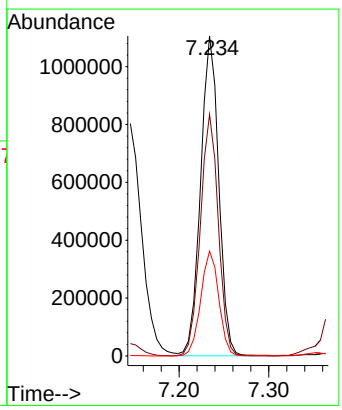


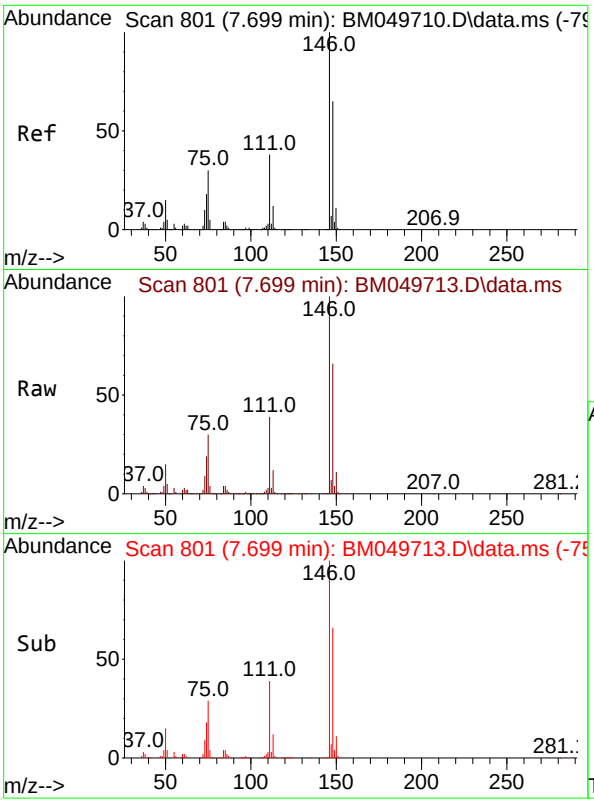


#11
bis(2-Chloroethyl)ether
Concen: 82.999 ng
RT: 7.234 min Scan# 722
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 93 Resp: 1554529

Ion	Ratio	Lower	Upper
93	100		
63	75.5	54.8	94.8
95	32.8	12.8	52.8





#12
1,3-Dichlorobenzene
Concen: 83.613 ng
RT: 7.699 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:146 Resp: 191260

Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.3	78.5
75	29.6	24.2	36.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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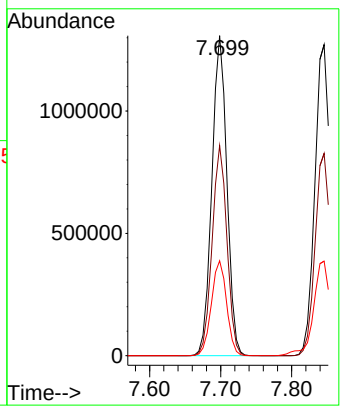
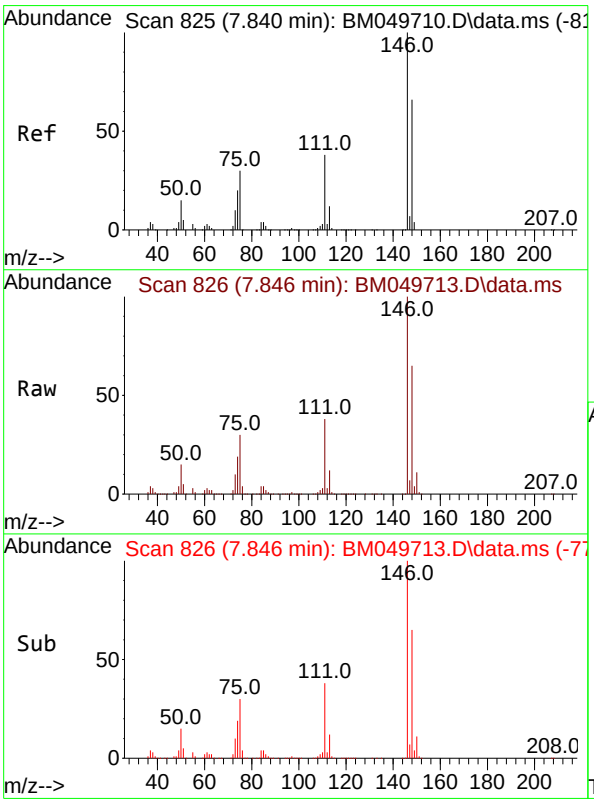
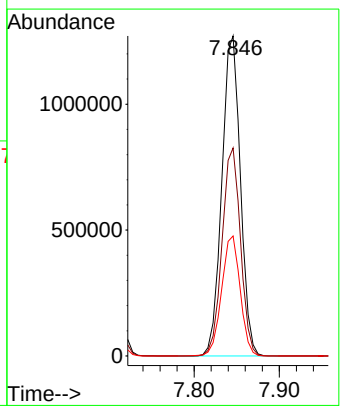


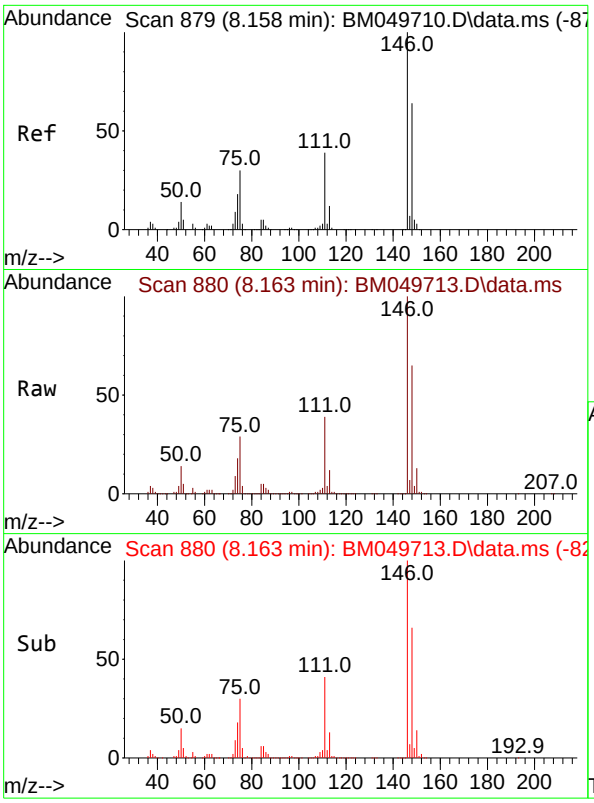


#13
1,4-Dichlorobenzene
Concen: 83.439 ng
RT: 7.846 min Scan# 826
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:146 Resp: 1925476

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.6	79.0
111	37.5	30.8	46.2

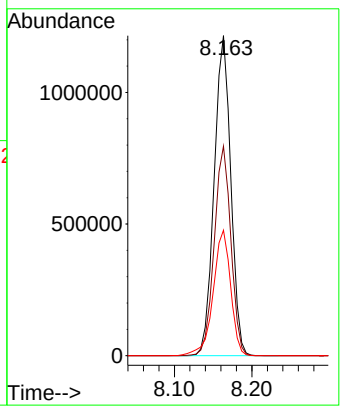




#14
1,2-Dichlorobenzene
Concen: 82.593 ng
RT: 8.163 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:146 Resp: 181137

Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.9	76.3
111	39.2	31.0	46.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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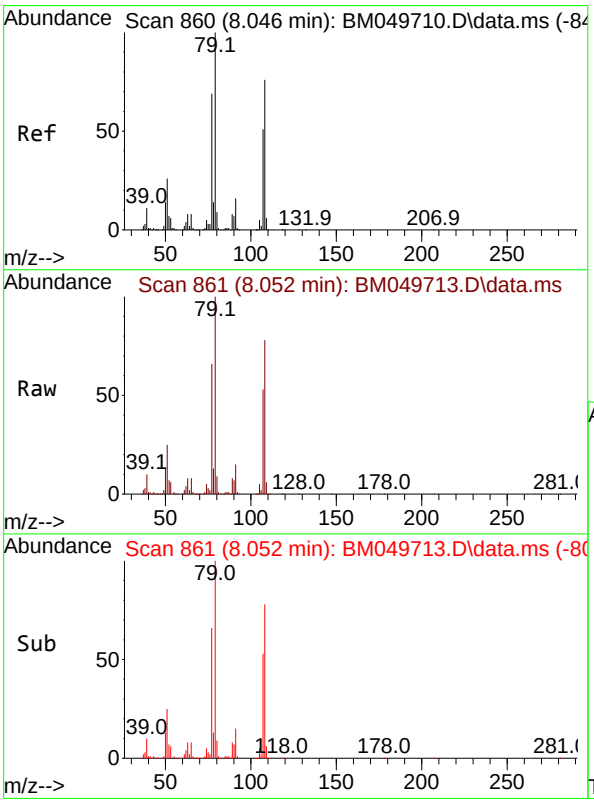
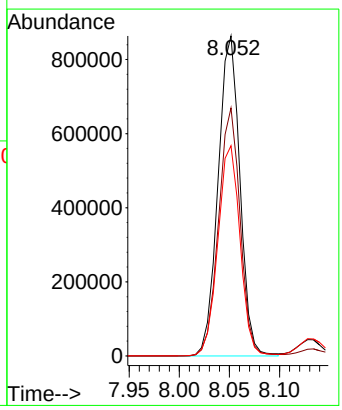
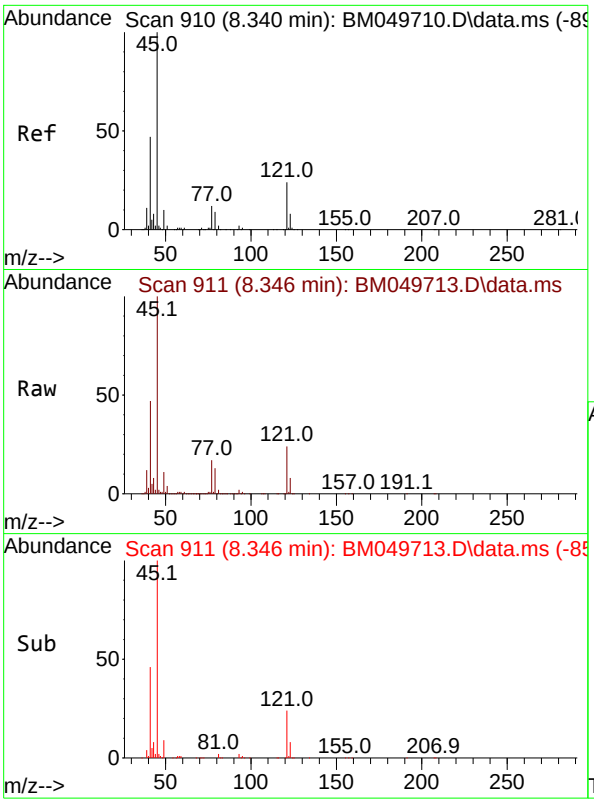


#15
Benzyl Alcohol
Concen: 87.341 ng
RT: 8.052 min Scan# 861
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 79 Resp: 1307396

Ion	Ratio	Lower	Upper
79	100		
108	77.5	60.7	91.1
77	65.7	55.4	83.2





#16
2,2'-oxybis(1-Chloropropane)
Concen: 79.747 ng
RT: 8.346 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 45 Resp: 175549

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	36.1
79	13.3	0.0	32.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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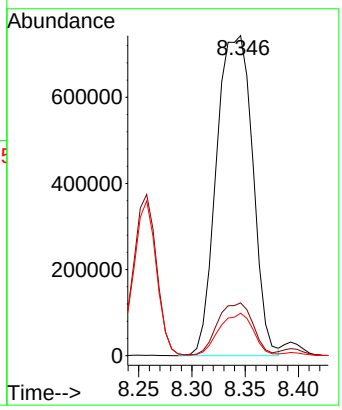
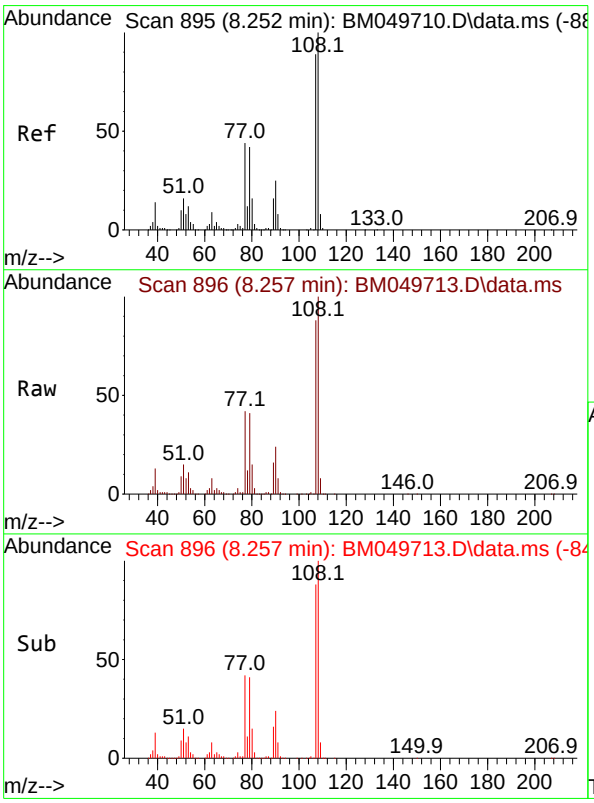
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

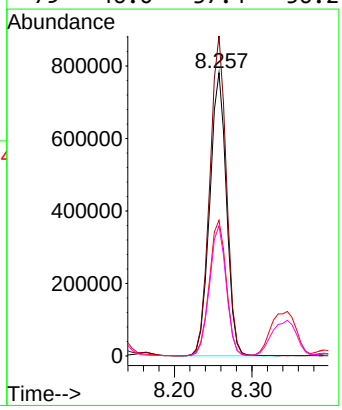


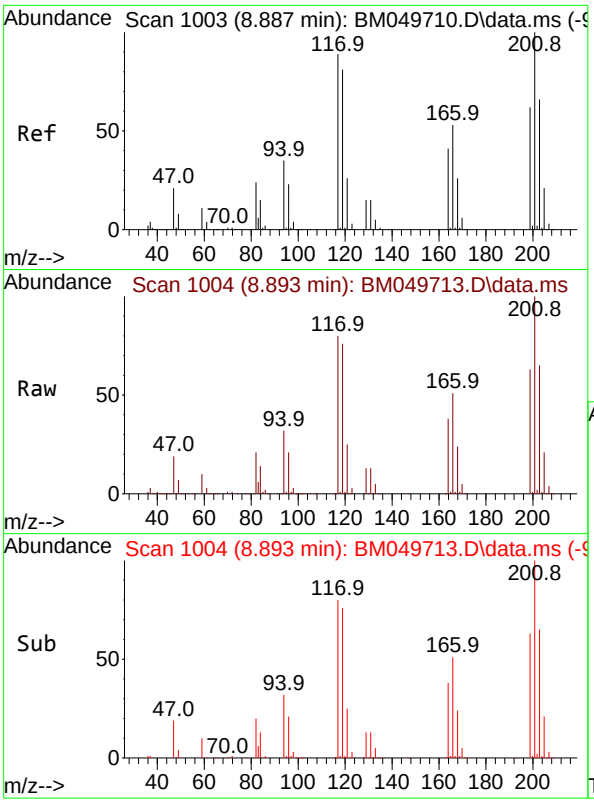


#17
2-Methylphenol
Concen: 84.879 ng
RT: 8.257 min Scan# 896
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:107 Resp: 1165523

Ion	Ratio	Lower	Upper
107	100		
108	113.0	89.6	134.4
77	47.9	39.8	59.6
79	46.0	37.4	56.2

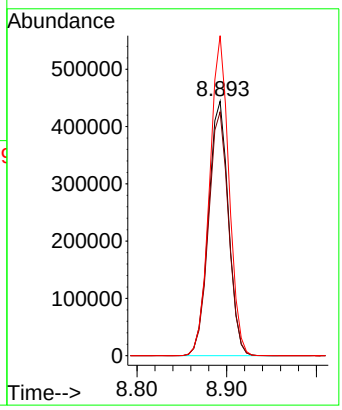




#18
Hexachloroethane
Concen: 84.211 ng
RT: 8.893 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:117 Resp: 68625

Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.1	109.7
201	125.8	90.0	135.0



Instrument :
BNA_M
ClientSampleId :
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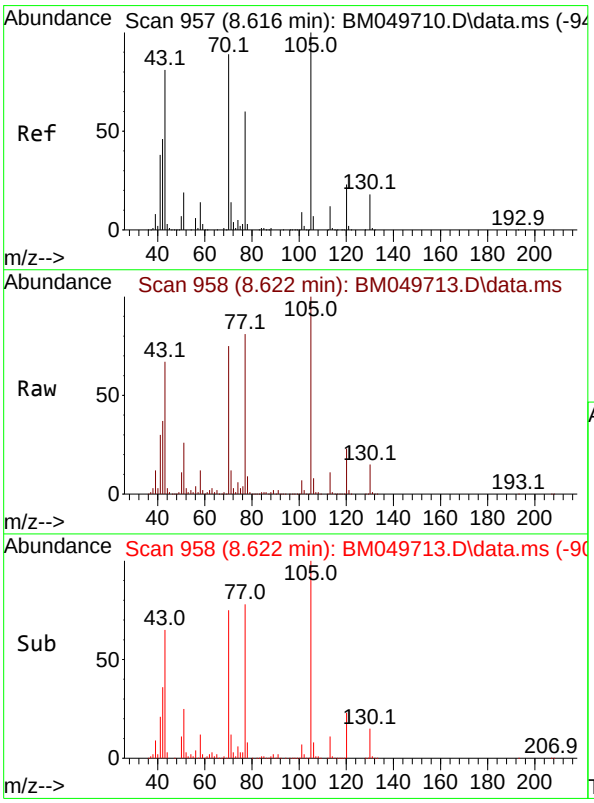
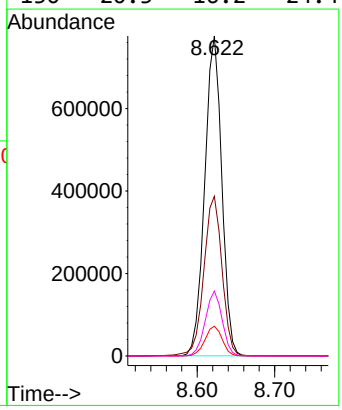
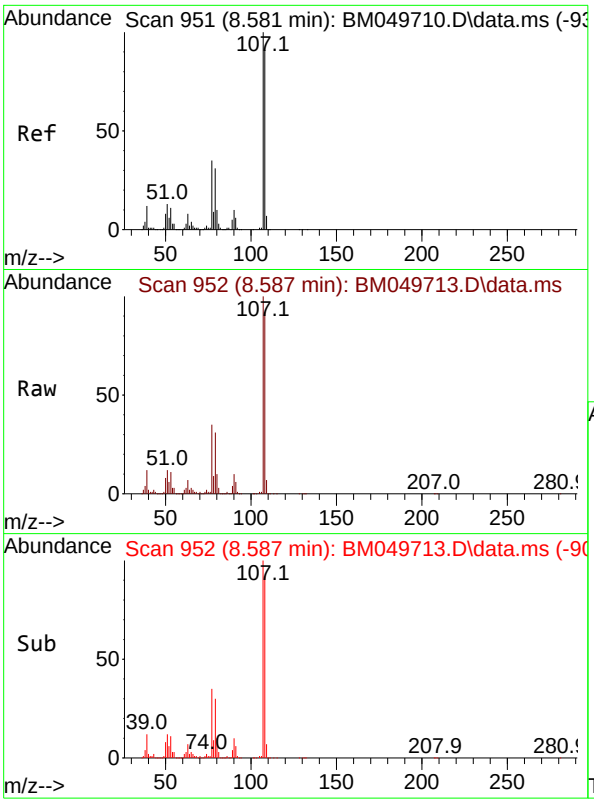


#19
n-Nitroso-di-n-propylamine
Concen: 85.807 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 70 Resp: 1186843

Ion	Ratio	Lower	Upper
70	100		
42	49.9	41.8	62.6
101	9.3	7.7	11.5
130	20.3	16.2	24.4

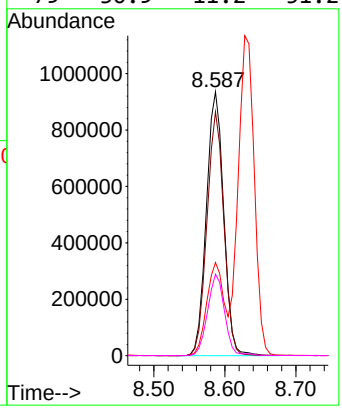




#20
3+4-Methylphenols
Concen: 85.996 ng
RT: 8.587 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:107 Resp: 158250

Ion	Ratio	Lower	Upper
107	100		
108	92.5	71.0	111.0
77	35.3	15.1	55.1
79	30.9	11.2	51.2



Instrument :
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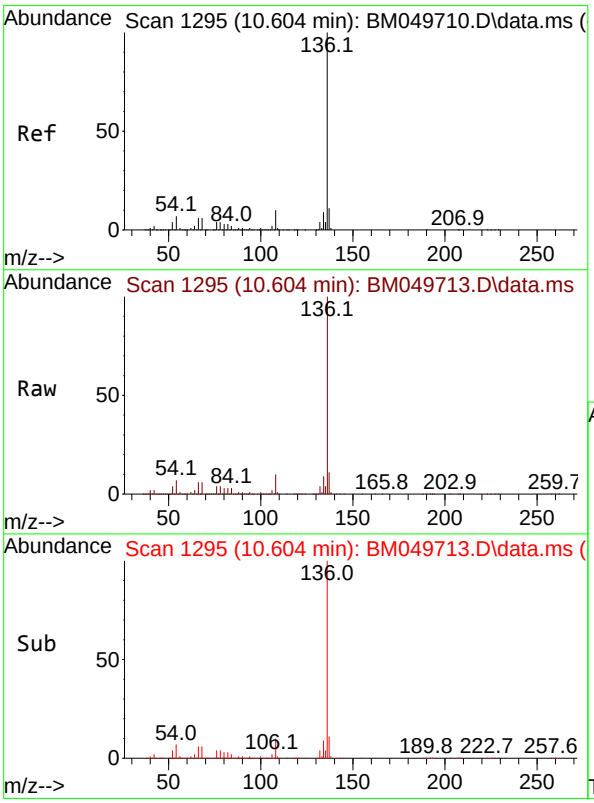
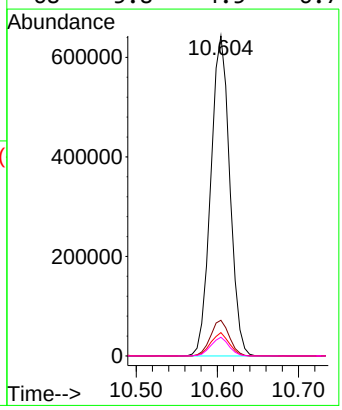
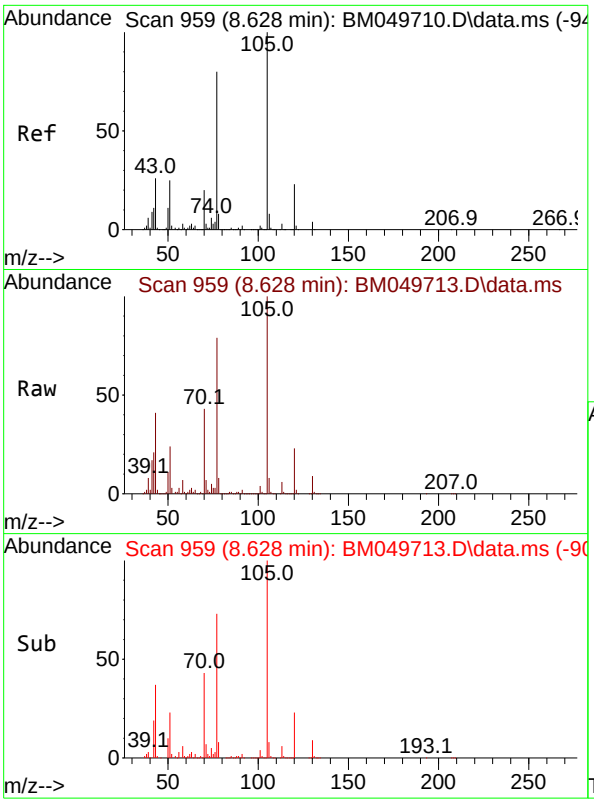


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:136 Resp: 1044790

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.3	5.8	8.8
68	5.8	4.5	6.7

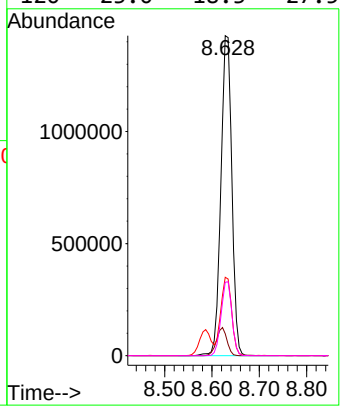




#22
Acetophenone
Concen: 85.099 ng
RT: 8.628 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:105 Resp: 229249

Ion	Ratio	Lower	Upper
105	100		
71	6.8	2.5	3.7#
51	24.5	19.9	29.9
120	23.0	18.3	27.5



Instrument :
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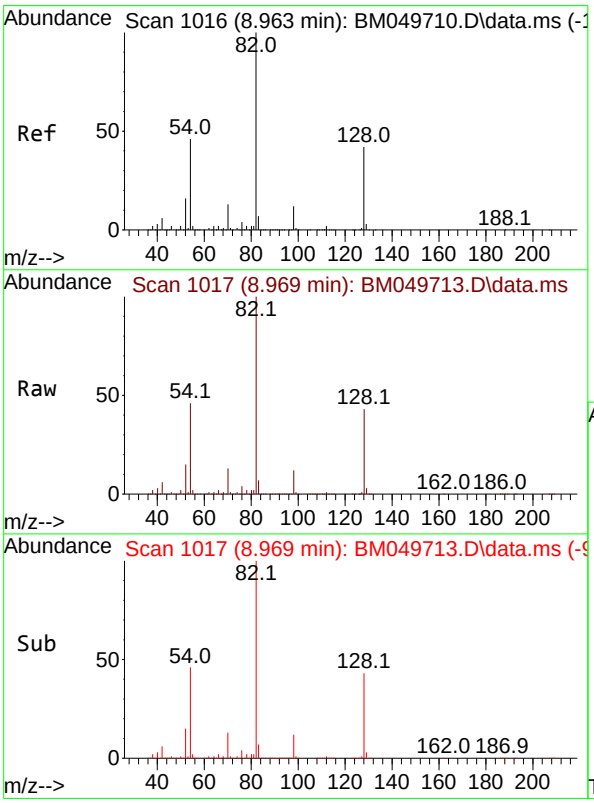
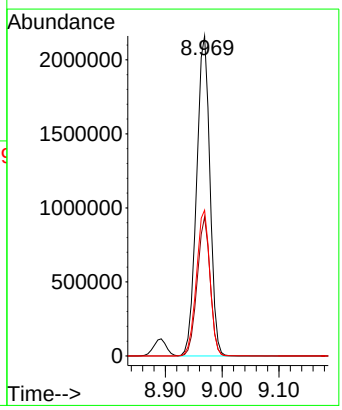
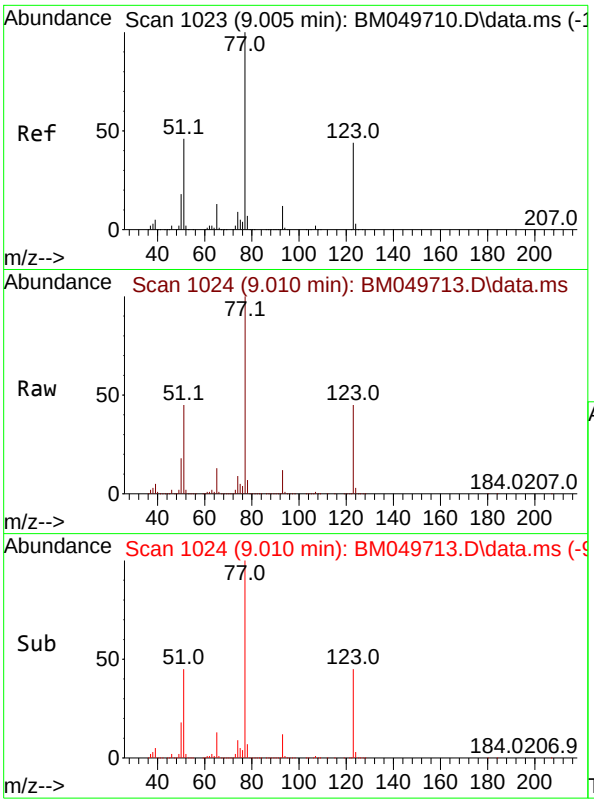


#23
Nitrobenzene-d5
Concen: 173.392 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 82 Resp: 3528480

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.4	50.0
54	45.5	36.4	54.6





#24
Nitrobenzene
Concen: 85.275 ng
RT: 9.010 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 77 Resp: 163627(

Ion	Ratio	Lower	Upper
77	100		
123	45.2	34.9	52.3
65	13.4	10.6	15.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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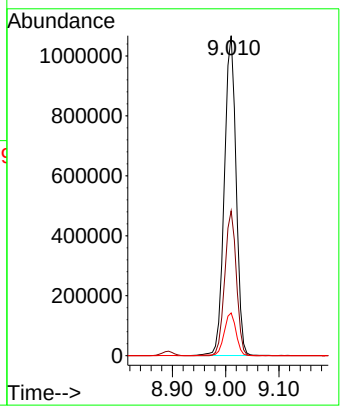
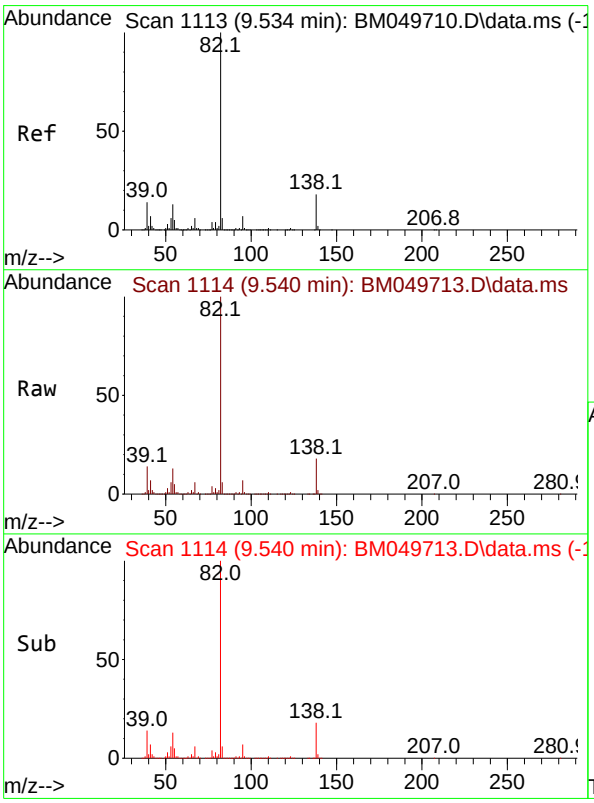
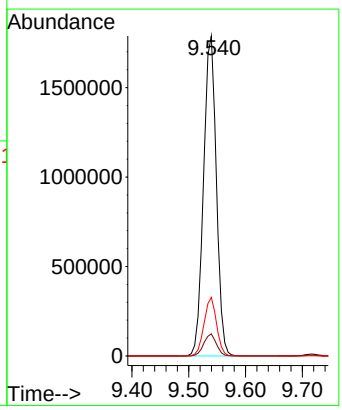


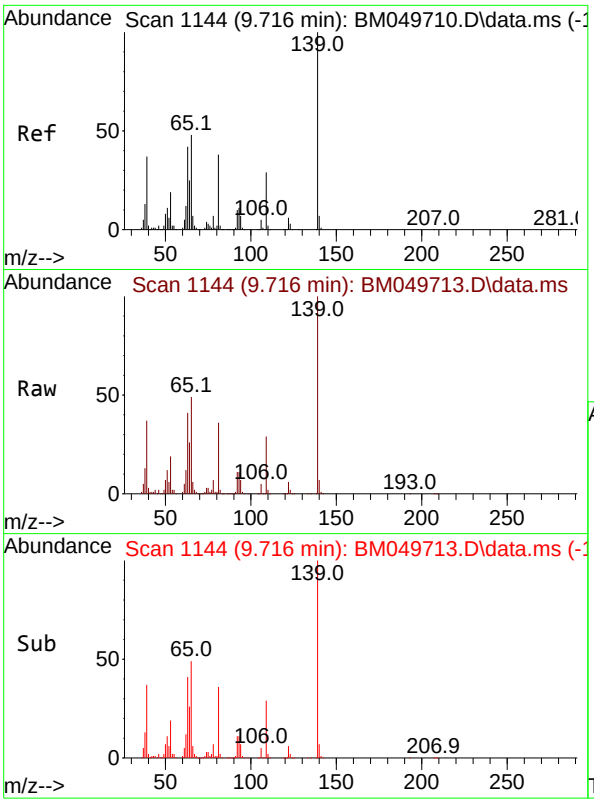


#25
Isophorone
Concen: 89.344 ng
RT: 9.540 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 82 Resp: 2791486

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.3	7.9
138	18.3	14.4	21.6





#26
2-Nitrophenol
Concen: 96.097 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:139 Resp: 78482

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.3	34.9
65	48.8	38.6	58.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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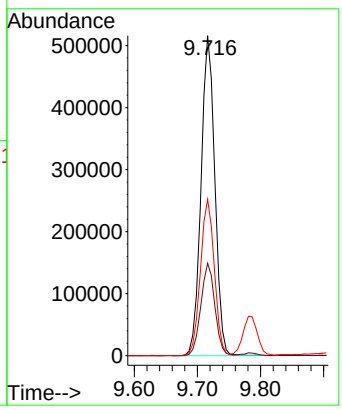
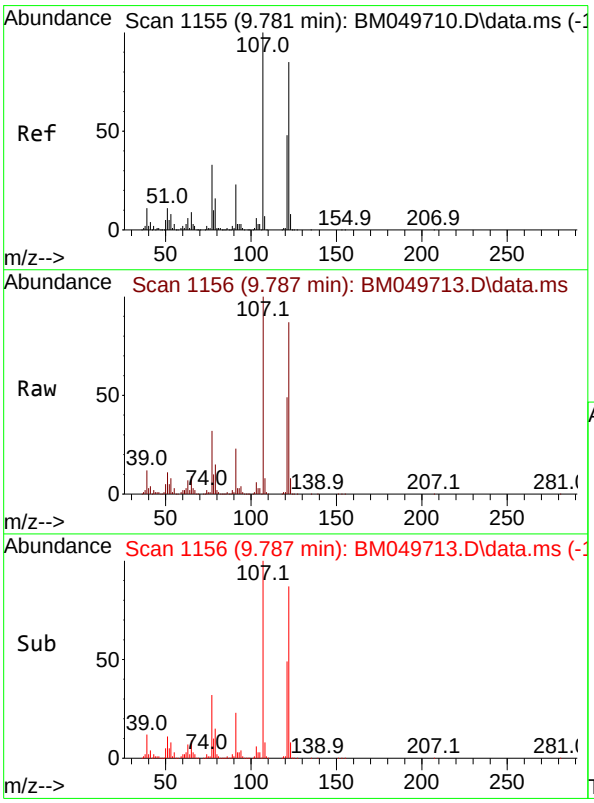
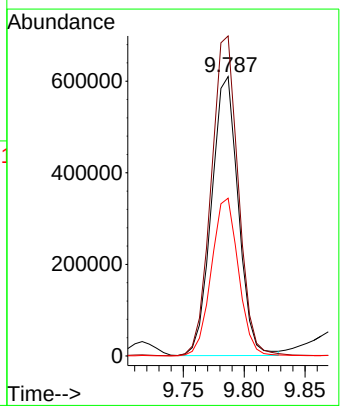


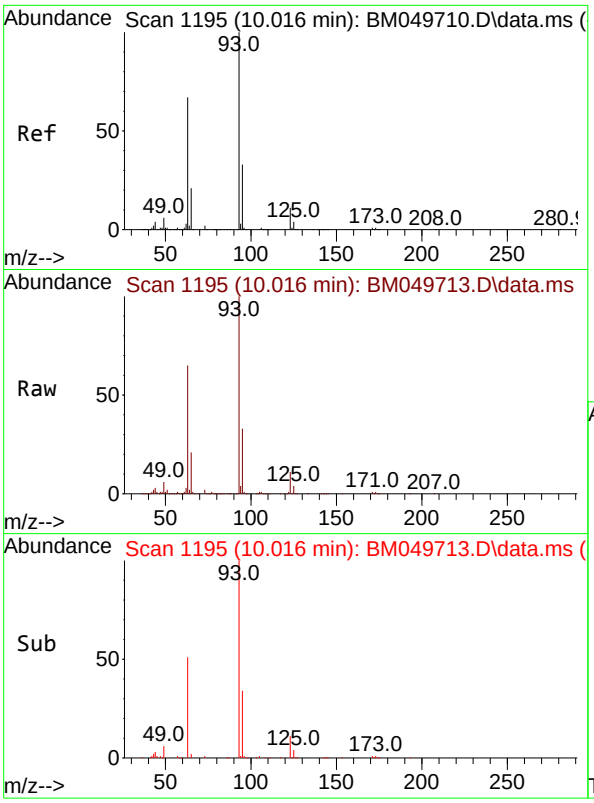


#27
2,4-Dimethylphenol
Concen: 89.713 ng
RT: 9.787 min Scan# 1156
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:122 Resp: 932622

Ion	Ratio	Lower	Upper
122	100		
107	114.5	94.3	141.5
121	56.4	45.4	68.2

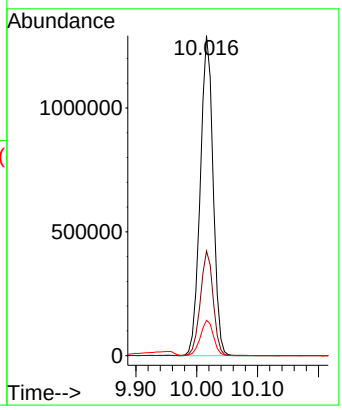




#28
bis(2-Chloroethoxy)methane
Concen: 86.068 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 93 Resp: 189399

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.0	9.0	13.6



Instrument :
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ClientSampleId :
SSTDICC080

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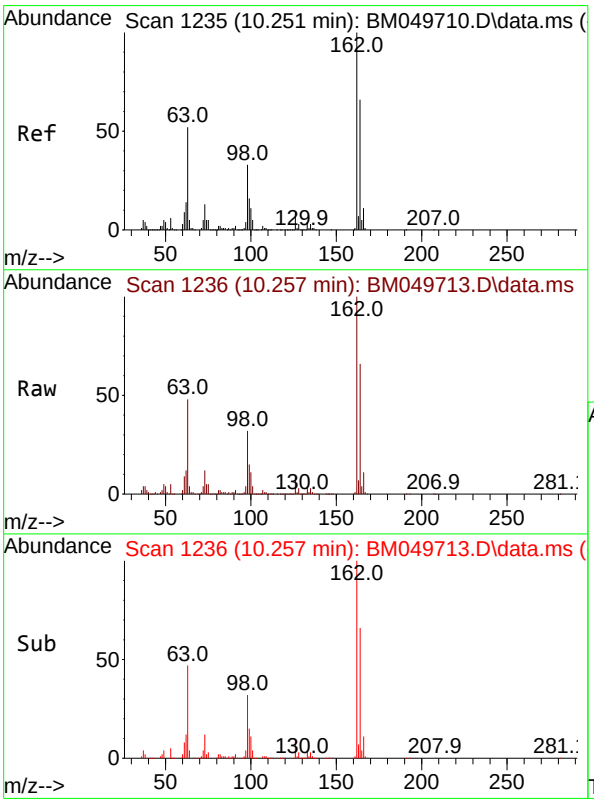
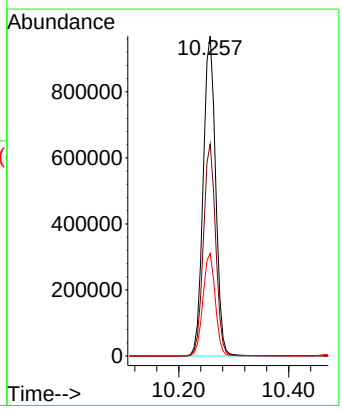
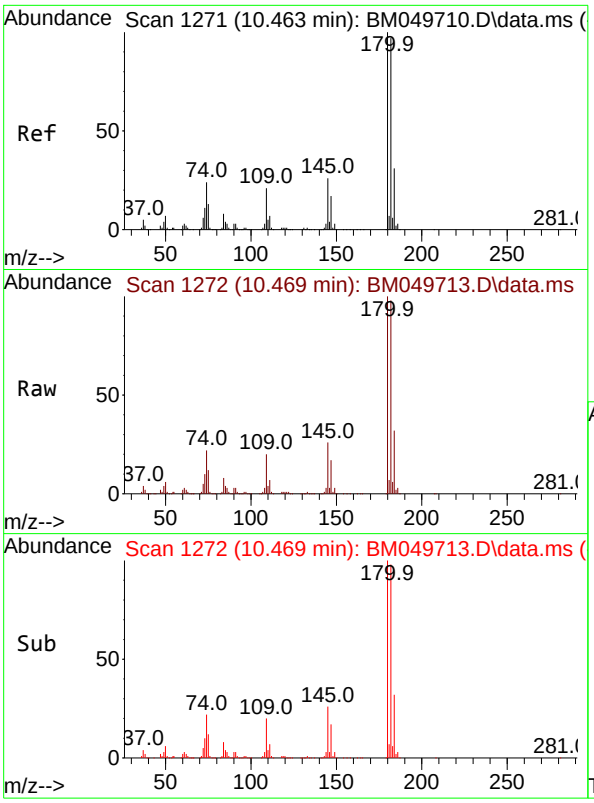


#29
2,4-Dichlorophenol
Concen: 89.758 ng
RT: 10.257 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:162 Resp: 1520440

Ion	Ratio	Lower	Upper
162	100		
164	66.3	46.3	86.3
98	32.0	12.8	52.8

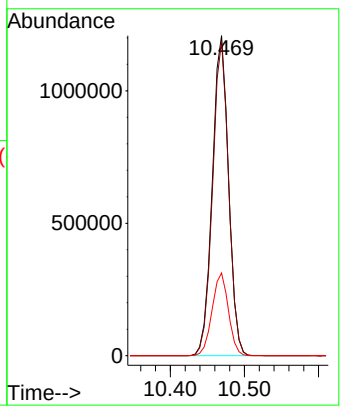




#30
1,2,4-Trichlorobenzene
Concen: 86.611 ng
RT: 10.469 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:180 Resp: 183558

Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.7	116.5
145	25.8	21.0	31.4



Instrument :
BNA_M
ClientSampleId :
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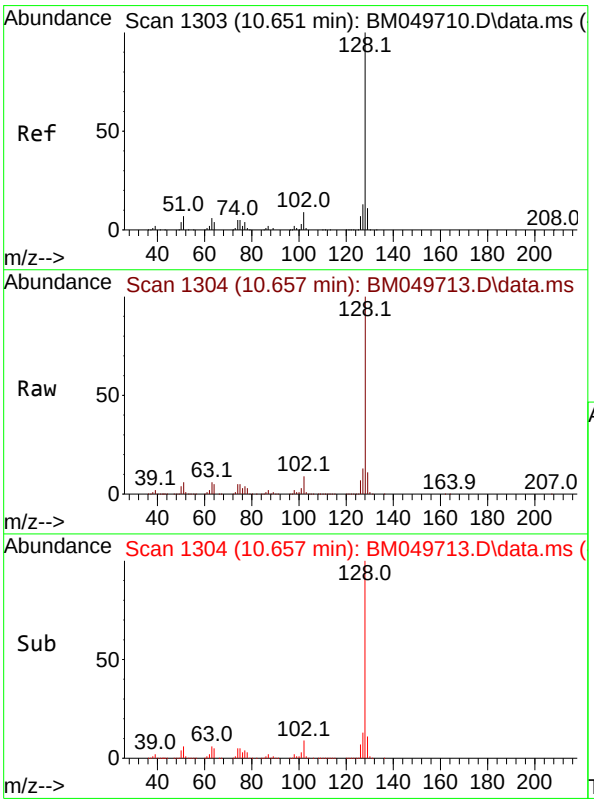
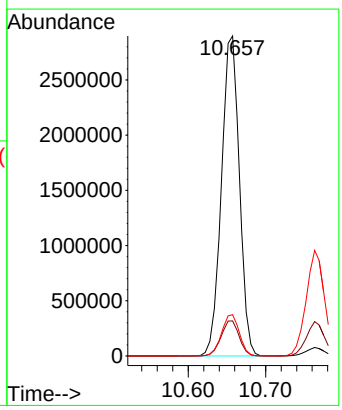
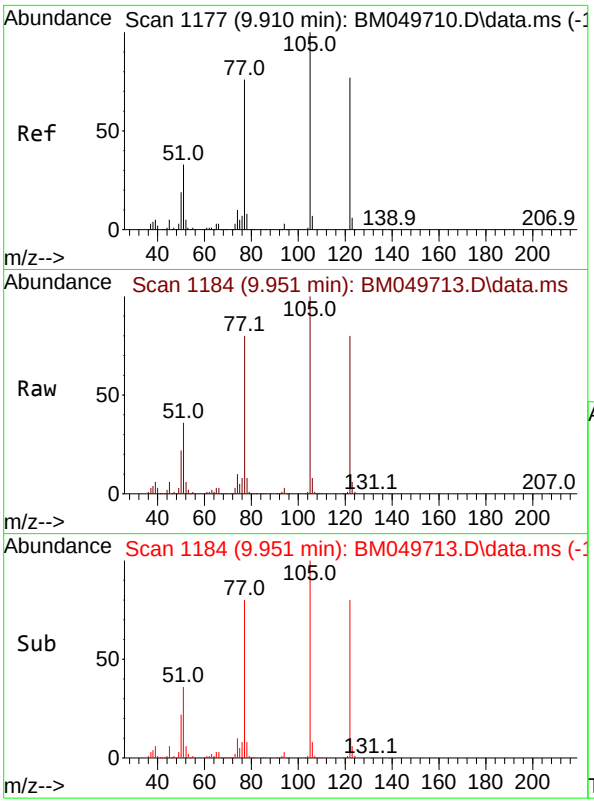


#31
Naphthalene
Concen: 86.886 ng
RT: 10.657 min Scan# 1304
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:128 Resp: 4667851

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.4	15.6

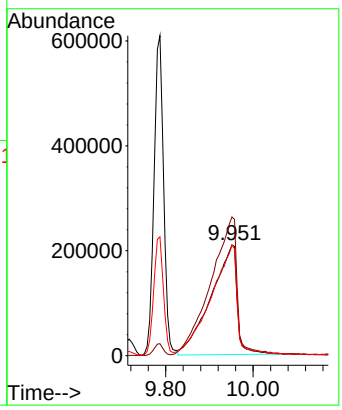




#32
Benzoic acid
Concen: 98.267 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.041 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:122 Resp: 86905

Ion	Ratio	Lower	Upper
122	100		
105	125.3	105.6	145.6
77	99.9	76.9	116.9



Instrument :
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ClientSampleId :
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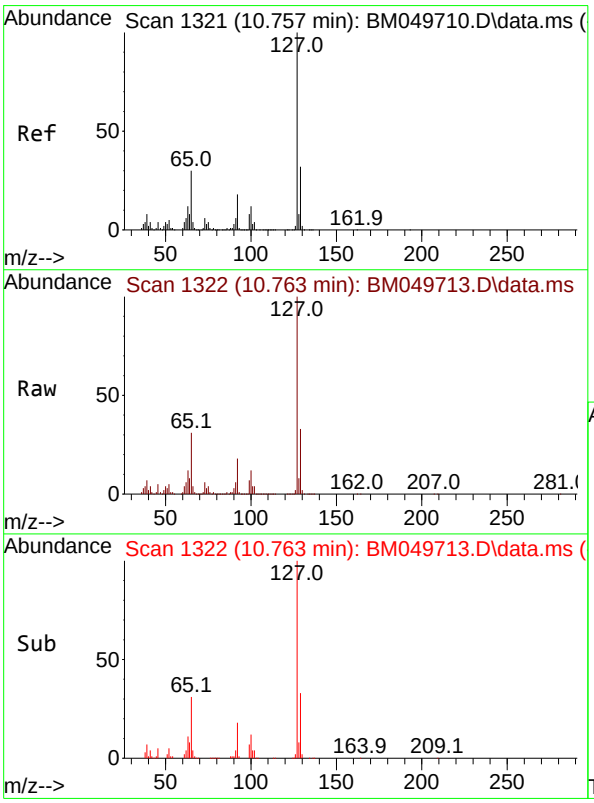
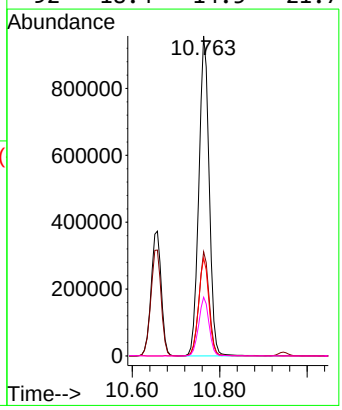
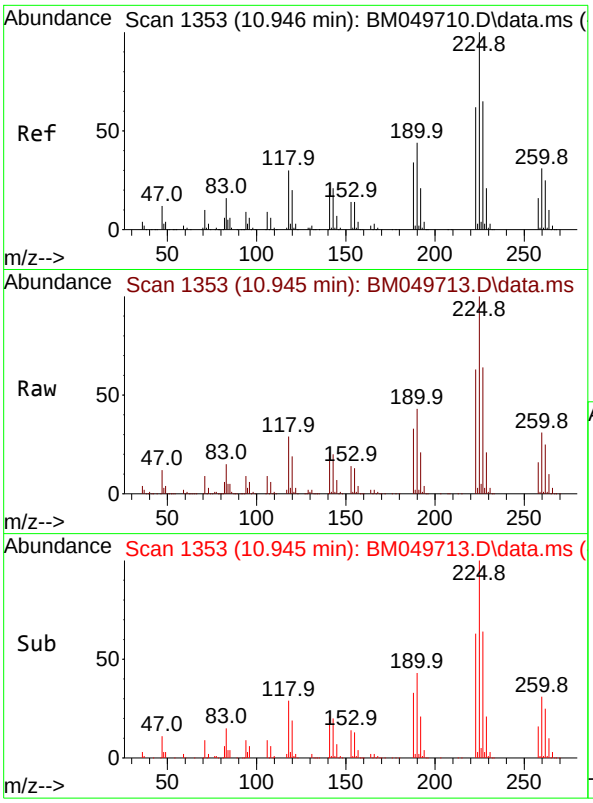


#33
4-Chloroaniline
Concen: 85.850 ng
RT: 10.763 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:127 Resp: 1574032

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.7	38.5
65	30.6	24.1	36.1
92	18.4	14.5	21.7

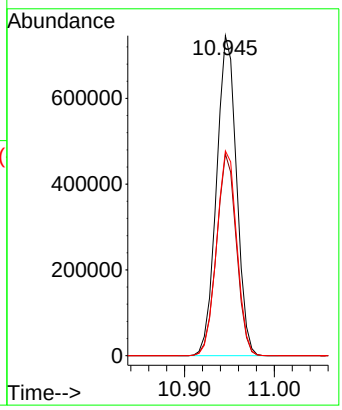




#34
Hexachlorobutadiene
Concen: 88.127 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:225 Resp: 115299

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	64.0	52.1	78.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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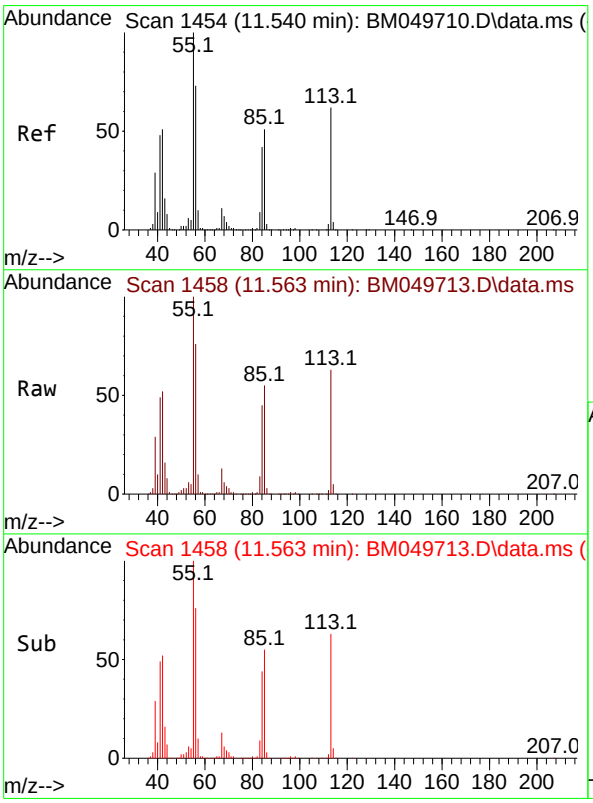
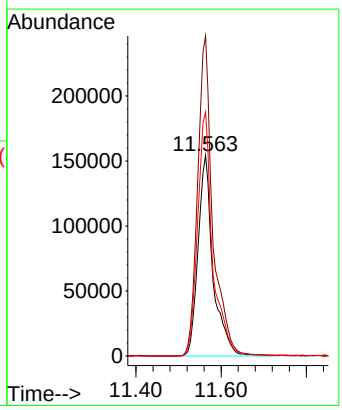
Supervised By :Jagrut Upadhyay 03/14/2025

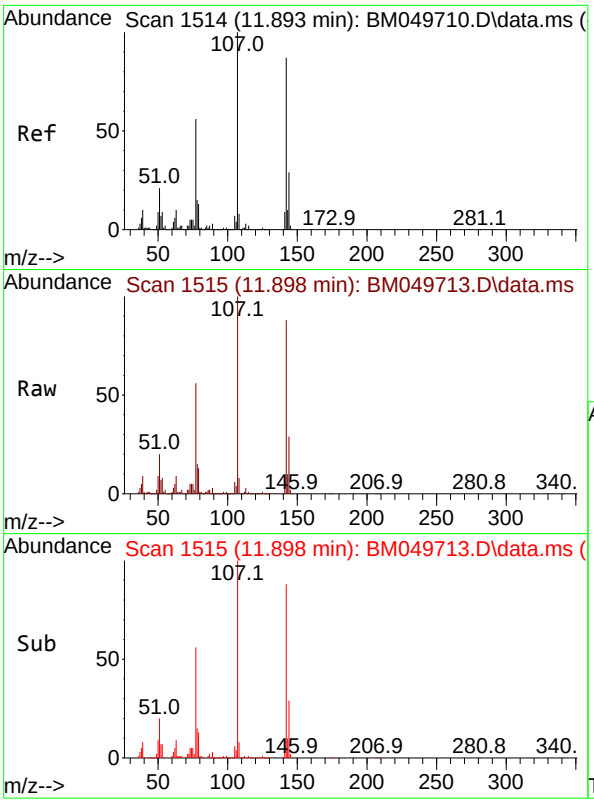


#35
Caprolactam
Concen: 95.730 ng
RT: 11.563 min Scan# 1458
Delta R.T. 0.023 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:113 Resp: 376485

Ion	Ratio	Lower	Upper
113	100		
55	159.6	141.8	181.8
56	121.7	98.0	138.0





#36
4-Chloro-3-methylphenol
Concen: 92.879 ng
RT: 11.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:107 Resp: 135017

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.0	34.6
142	88.0	69.8	104.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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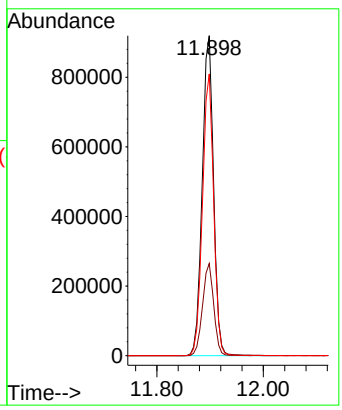
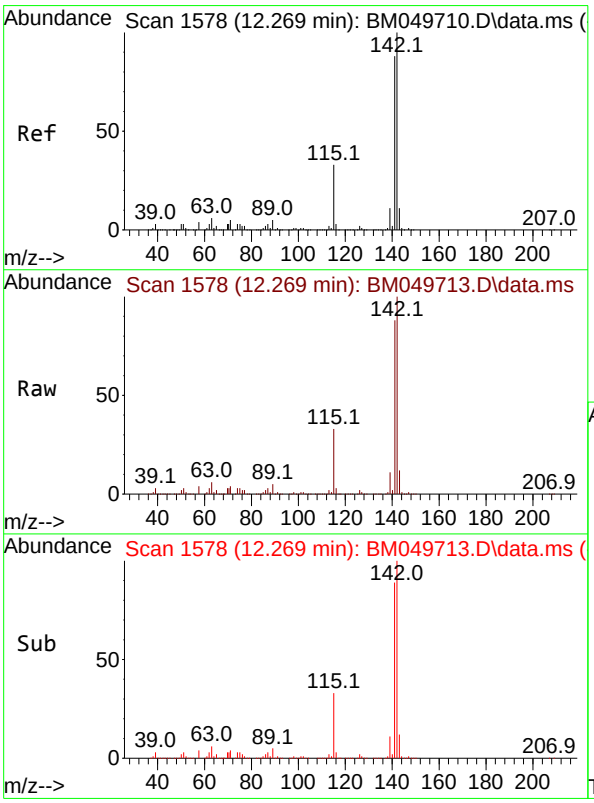
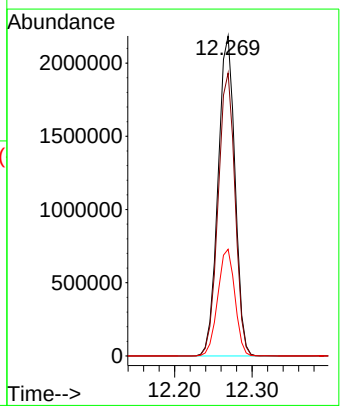


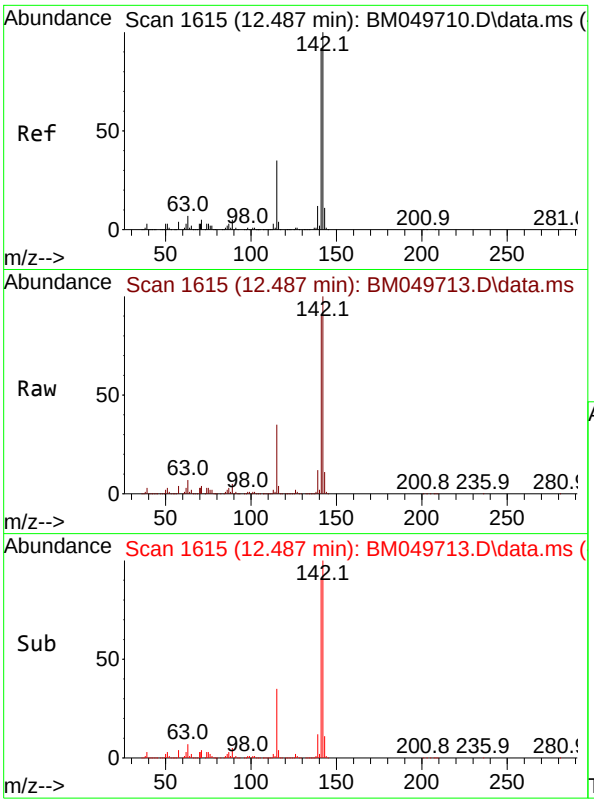


#37
2-Methylnaphthalene
Concen: 88.386 ng
RT: 12.269 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:142 Resp: 3320321

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.5	105.7
115	33.4	26.5	39.7

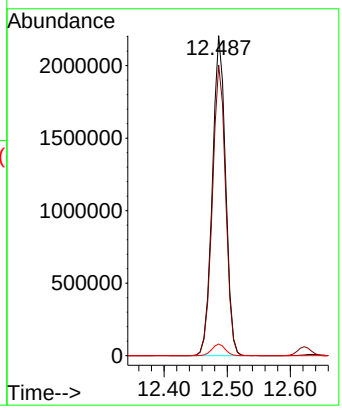




#38
1-Methylnaphthalene
Concen: 88.266 ng
RT: 12.487 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:142 Resp: 319908(

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.4	110.2
116	3.7	2.8	4.2



Instrument :
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ClientSampleId :
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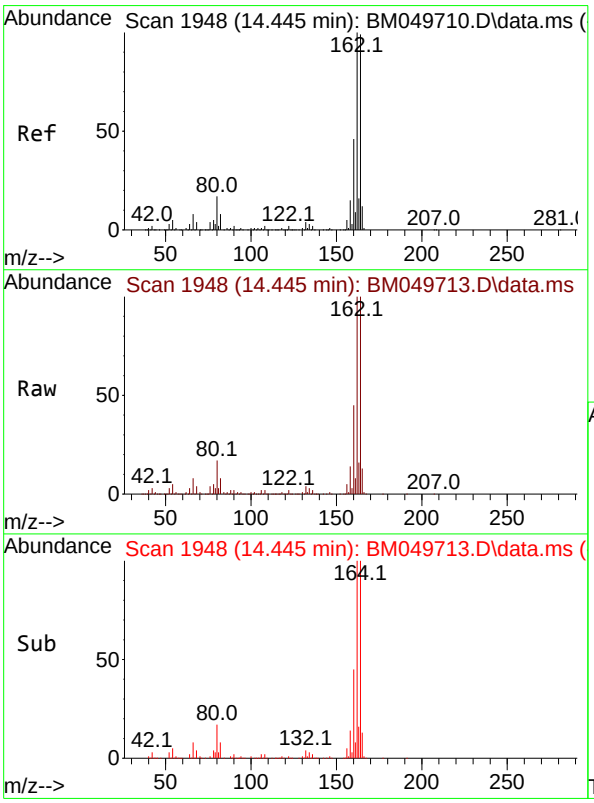
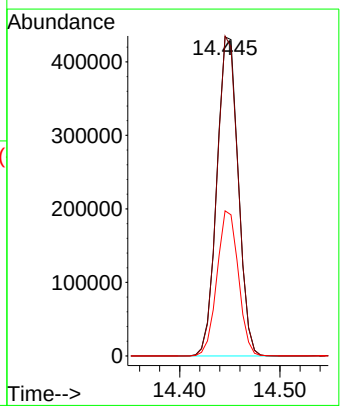
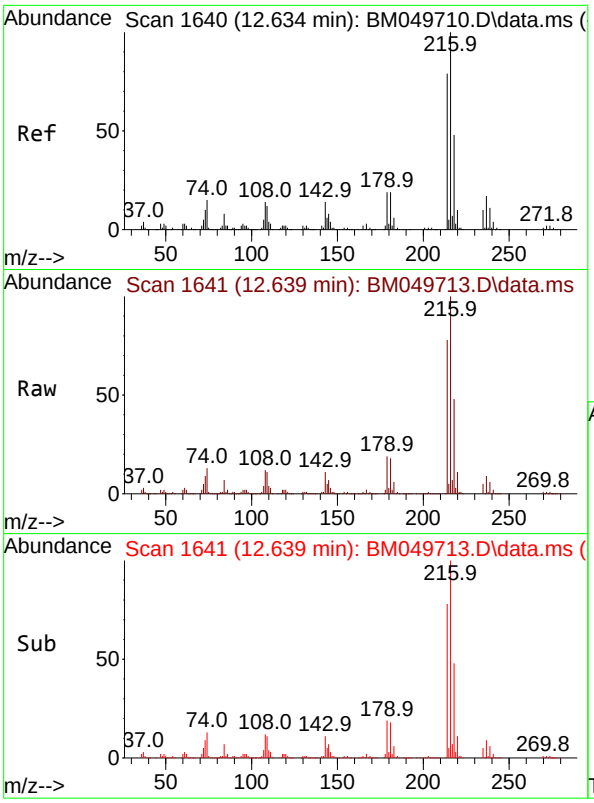


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:164 Resp: 642425

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.5	120.7
160	45.5	36.9	55.3

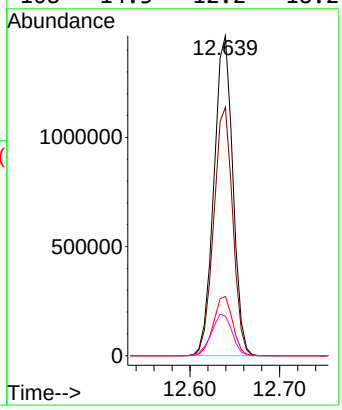




#40
1,2,4,5-Tetrachlorobenzene
Concen: 90.734 ng
RT: 12.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:216 Resp: 214109

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.5	95.3
179	19.0	15.7	23.5
108	14.3	12.2	18.2



Instrument :
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ClientSampleId :
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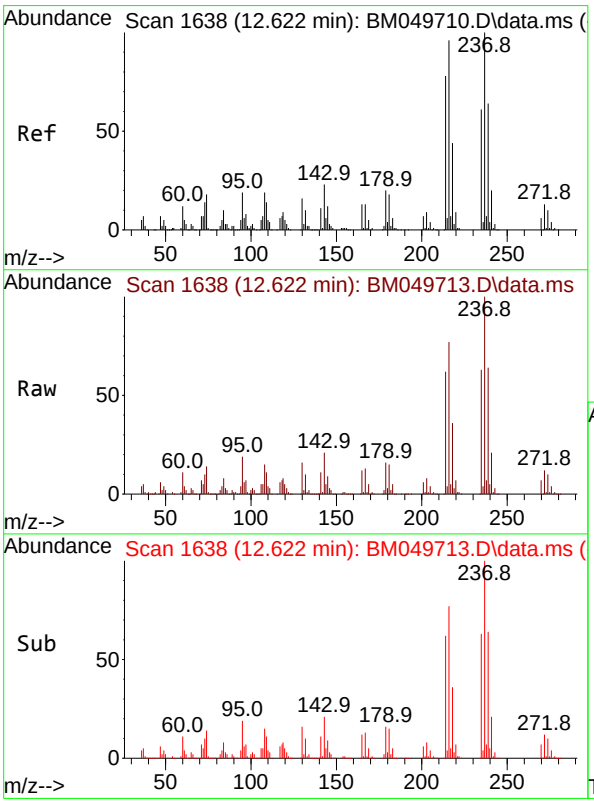
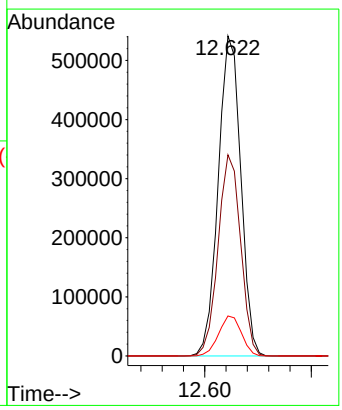
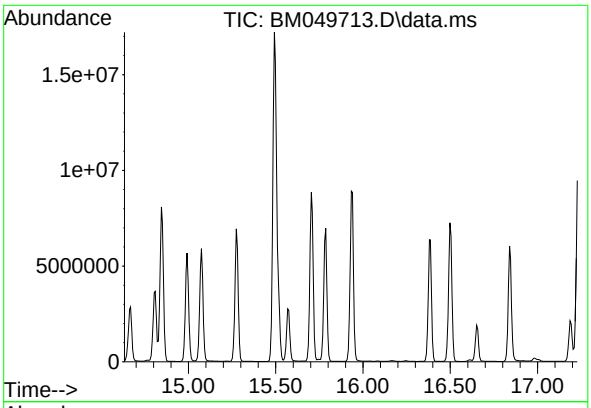


#41
Hexachlorocyclopentadiene
Concen: 90.835 ng
RT: 12.622 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:237 Resp: 794094

Ion	Ratio	Lower	Upper
237	100		
235	62.8	41.1	81.1
272	12.5	0.0	32.5





#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.93 min

Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.2
141	34.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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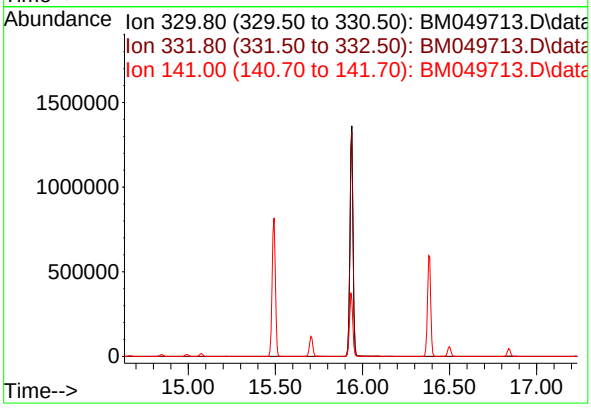
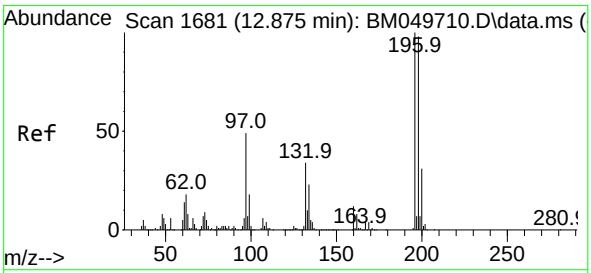
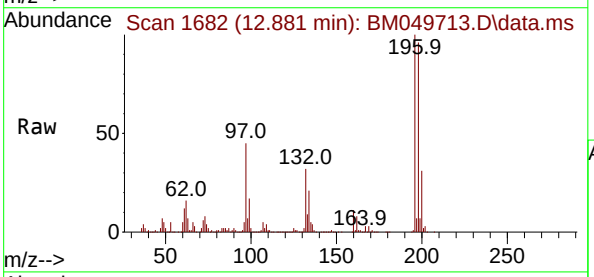
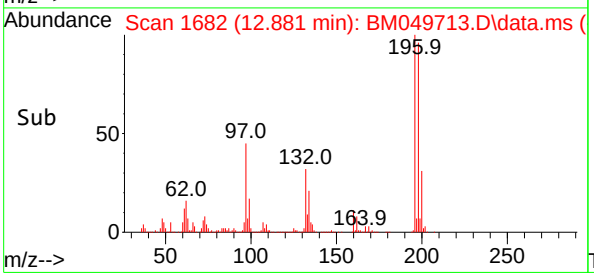




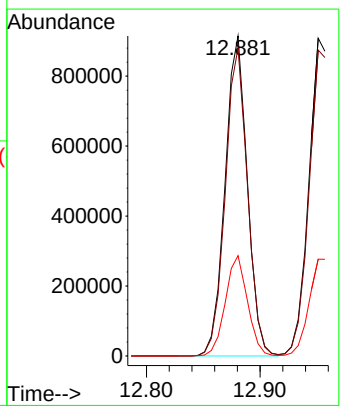


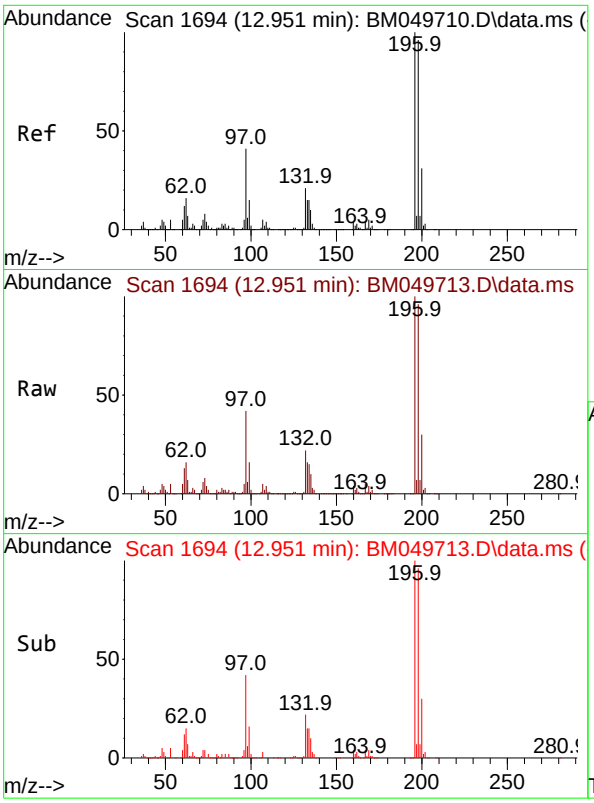


#43
2,4,6-Trichlorophenol
Concen: 94.277 ng
RT: 12.881 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:196 Resp: 1245983

Ion	Ratio	Lower	Upper
196	100		
198	96.3	78.3	117.5
200	31.4	25.1	37.7

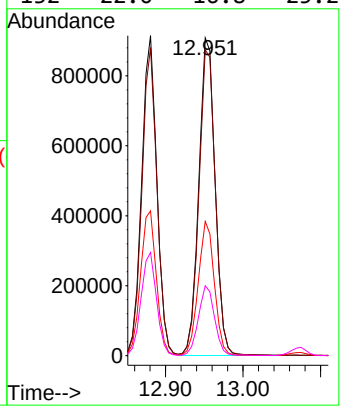




#44
2,4,5-Trichlorophenol
Concen: 92.060 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:196 Resp: 132770

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.7	115.1
97	42.2	32.9	49.3
132	22.0	16.8	25.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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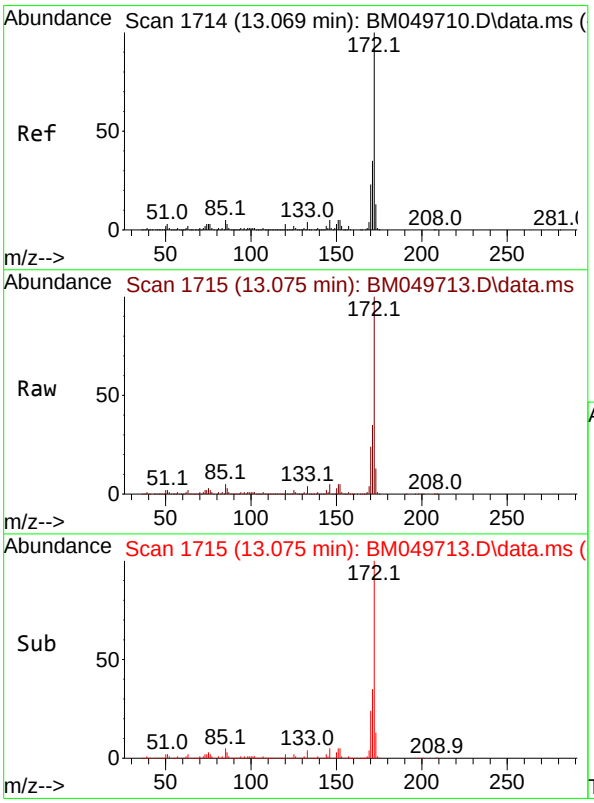
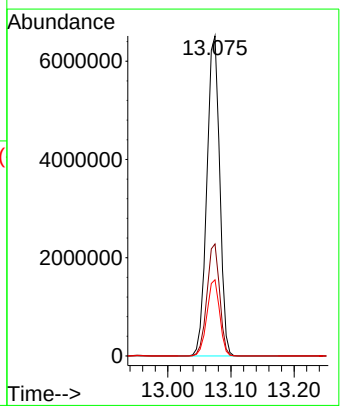
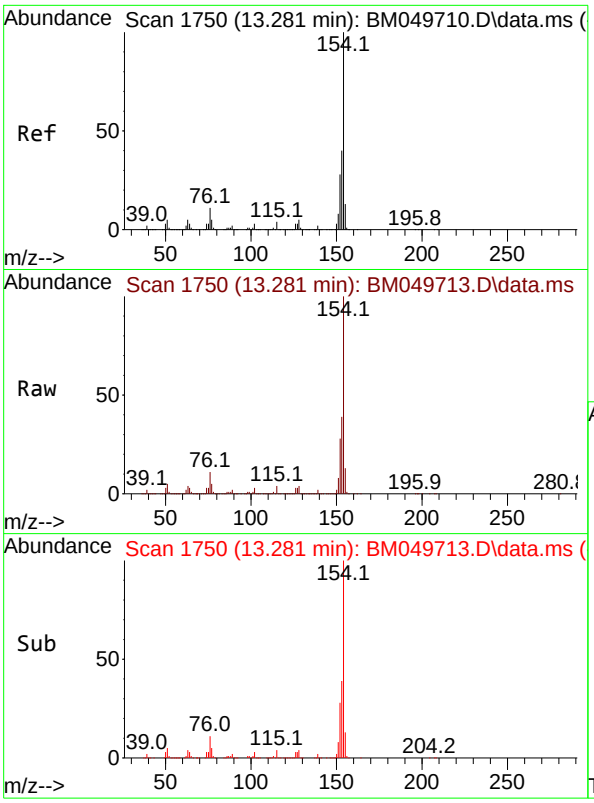


#45
2-Fluorobiphenyl
Concen: 178.410 ng
RT: 13.075 min Scan# 1715
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:172 Resp: 9151795

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.8	18.6	28.0

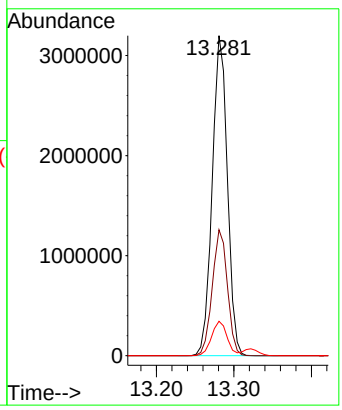




#46
1,1'-Biphenyl
Concen: 87.343 ng
RT: 13.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:154 Resp: 432455

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.7	59.7
76	10.8	0.0	31.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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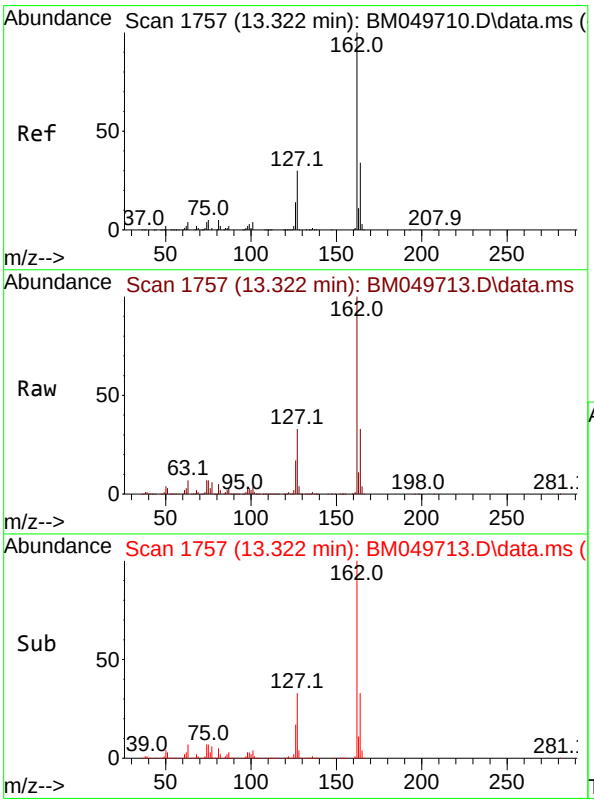
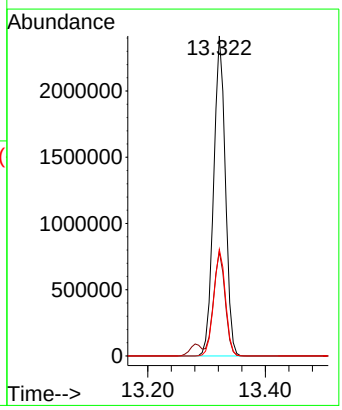
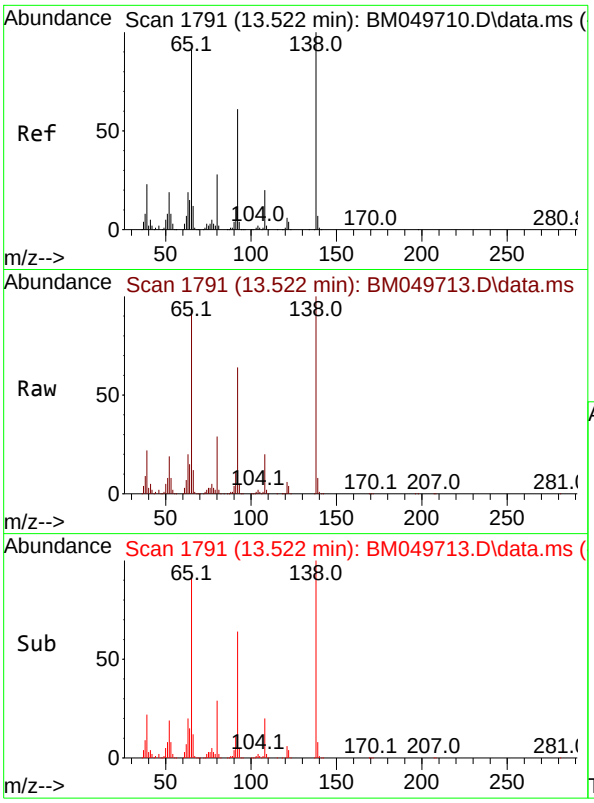


#47
2-Chloronaphthalene
Concen: 86.734 ng
RT: 13.322 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:162 Resp: 3342606

Ion	Ratio	Lower	Upper
162	100		
127	32.6	25.8	38.6
164	33.3	27.1	40.7

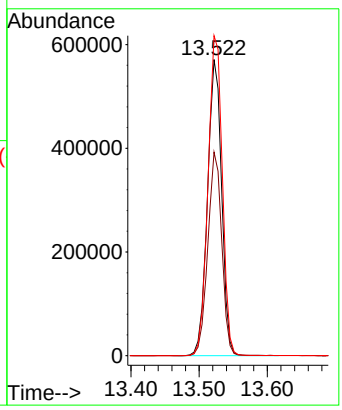




#48
2-Nitroaniline
Concen: 95.132 ng
RT: 13.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 65 Resp: 82302

Ion	Ratio	Lower	Upper
65	100		
92	68.7	53.4	80.2
138	108.0	87.6	131.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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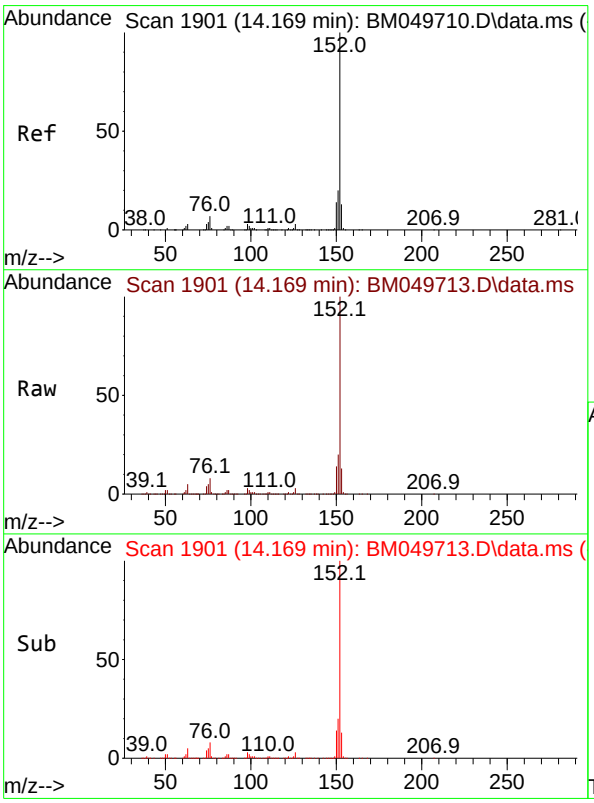
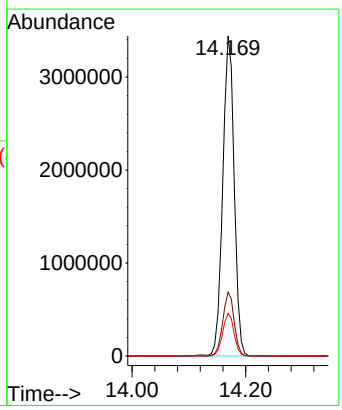
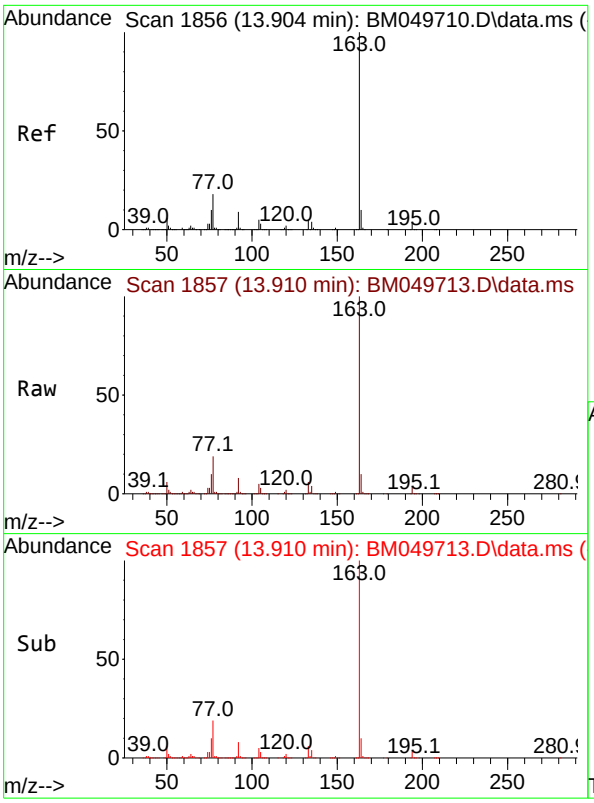


#49
Acenaphthylene
Concen: 89.516 ng
RT: 14.169 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:152 Resp: 4822145

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.3	10.2	15.4





#50
Dimethylphthalate
Concen: 87.869 ng
RT: 13.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:163 Resp: 388650

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.3	8.2	12.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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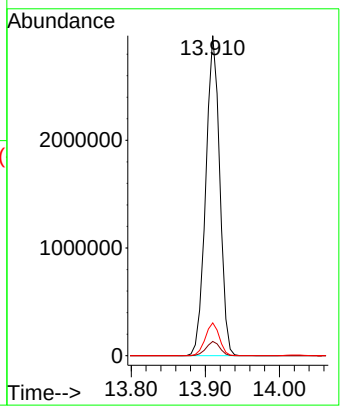
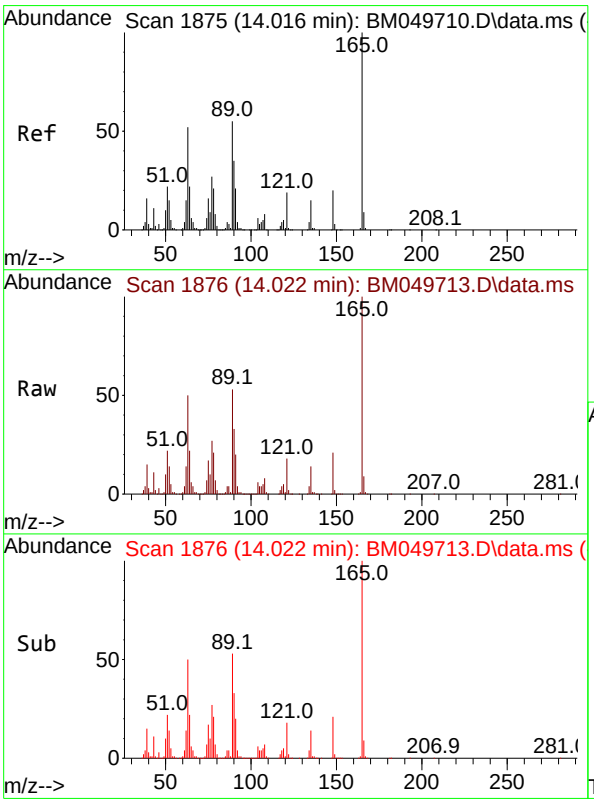
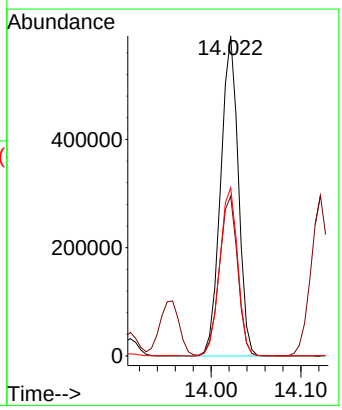


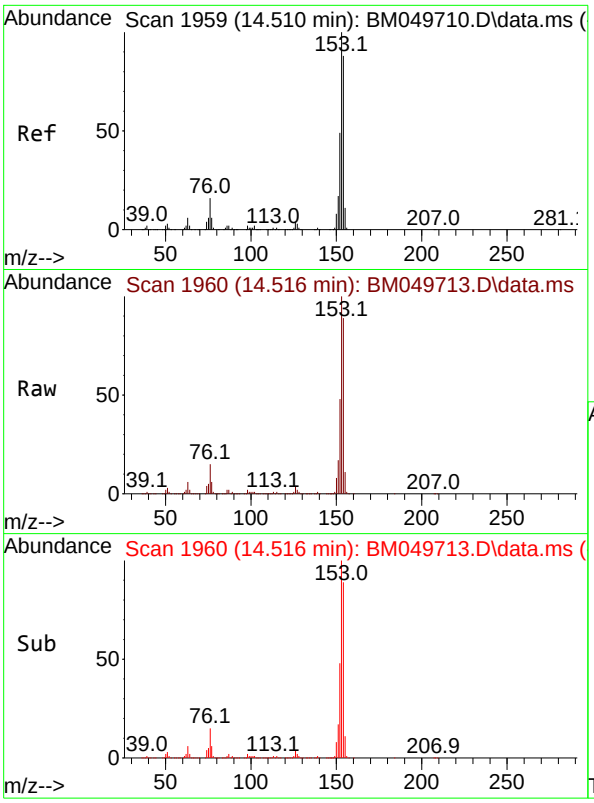


#51
2,6-Dinitrotoluene
Concen: 90.994 ng
RT: 14.022 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:165 Resp: 806435

Ion	Ratio	Lower	Upper
165	100		
63	49.9	42.3	63.5
89	52.6	43.9	65.9

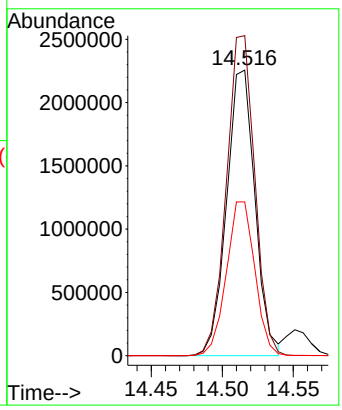




#52
Acenaphthene
Concen: 89.077 ng
RT: 14.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:154 Resp: 314360

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.4	135.6
152	53.8	44.2	66.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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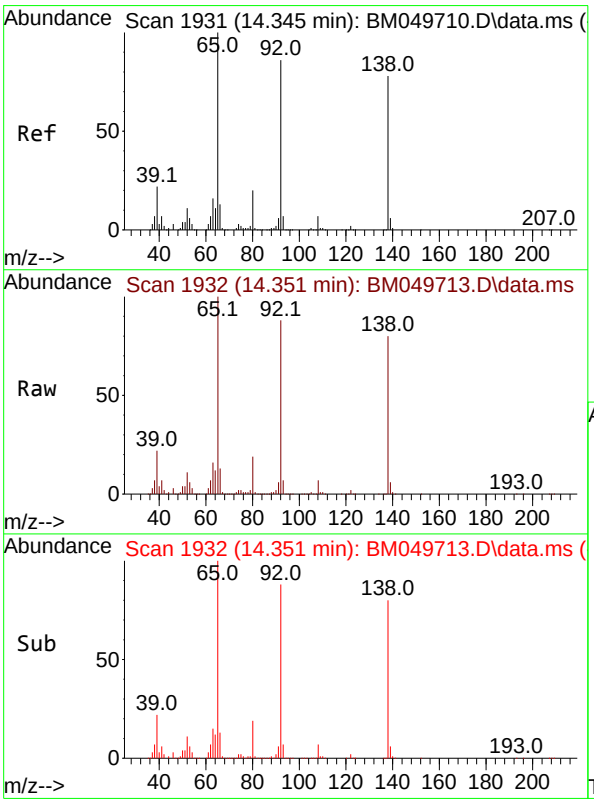
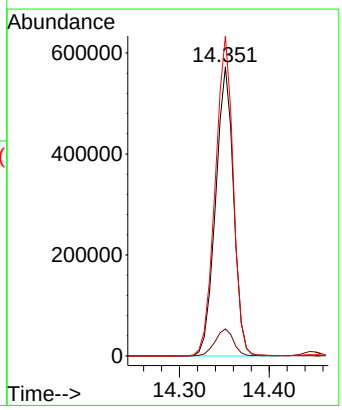
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

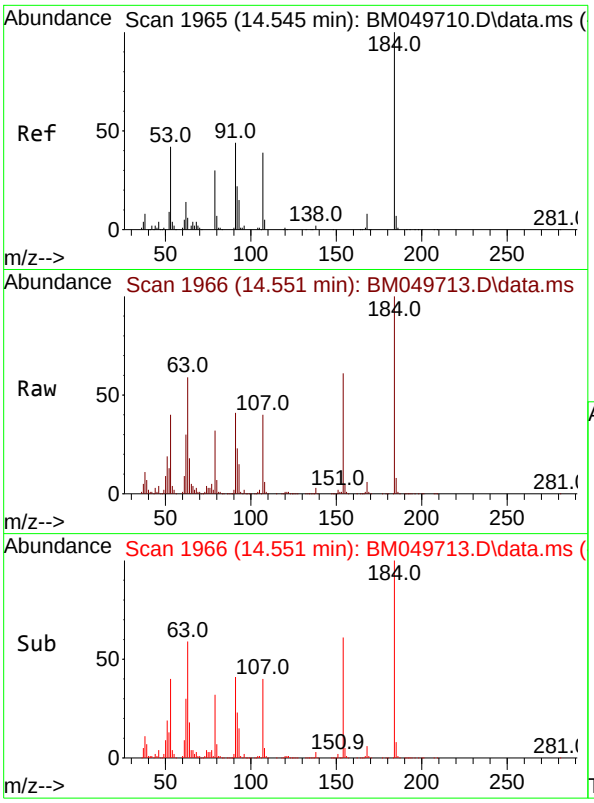


#53
3-Nitroaniline
Concen: 94.437 ng
RT: 14.351 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:138 Resp: 796441

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.5	11.3
92	110.7	88.0	132.0

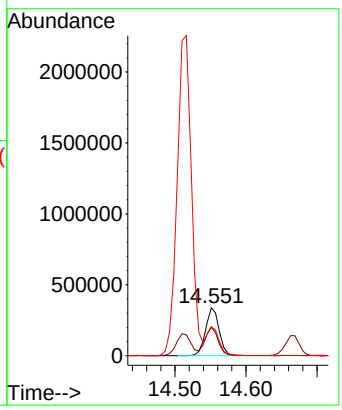




#54
2,4-Dinitrophenol
Concen: 79.774 ng
RT: 14.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:184 Resp: 44812

Ion	Ratio	Lower	Upper
184	100		
63	59.1	47.2	70.8
154	60.6	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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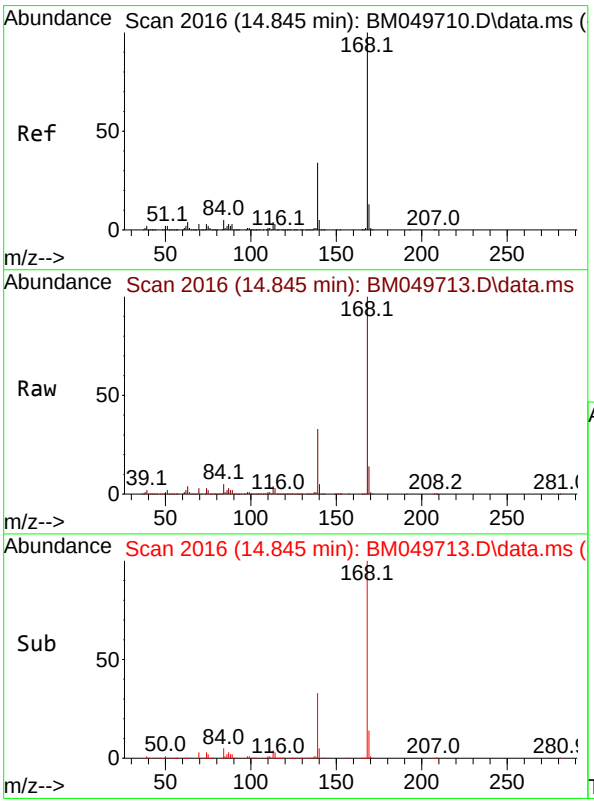
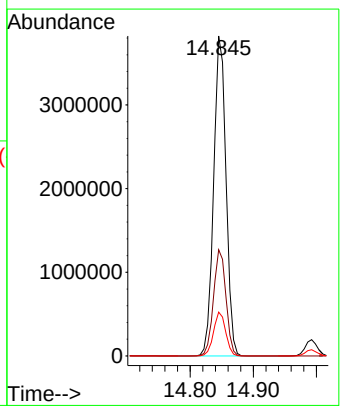
Supervised By :Jagrut Upadhyay 03/14/2025

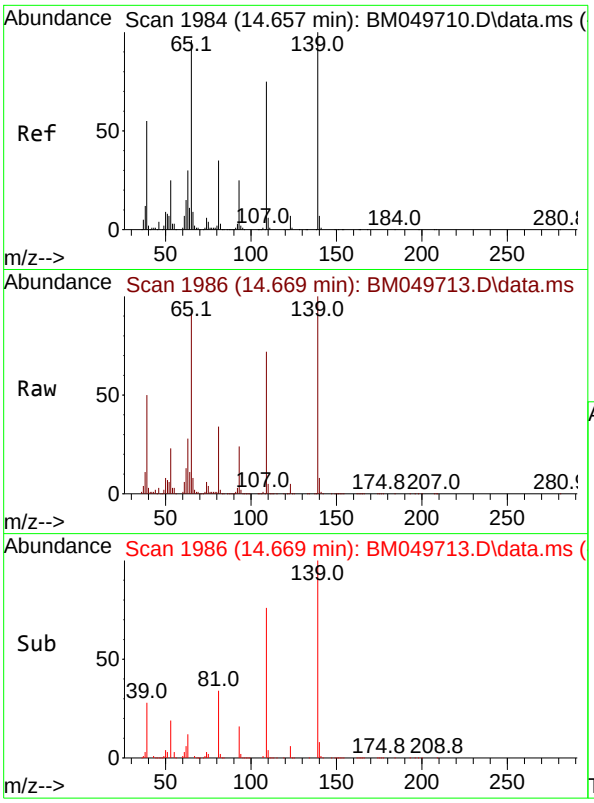


#55
Dibenzofuran
Concen: 88.075 ng
RT: 14.845 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:168 Resp: 5185747

Ion	Ratio	Lower	Upper
168	100		
139	33.2	27.4	41.0
169	13.7	10.7	16.1

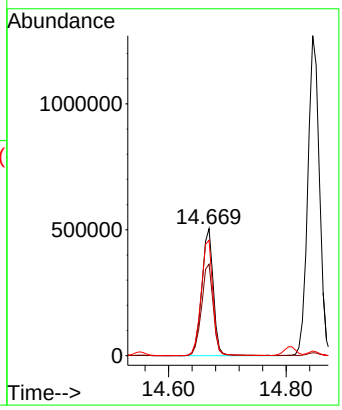




#56
4-Nitrophenol
Concen: 93.537 ng
RT: 14.669 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:139 Resp: 68666

Ion	Ratio	Lower	Upper
139	100		
109	72.1	54.7	94.7
65	90.9	76.2	116.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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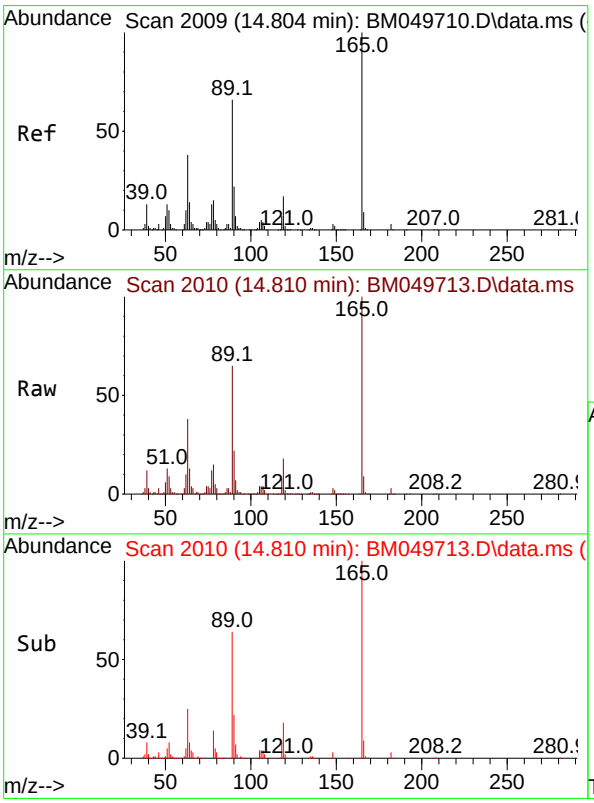
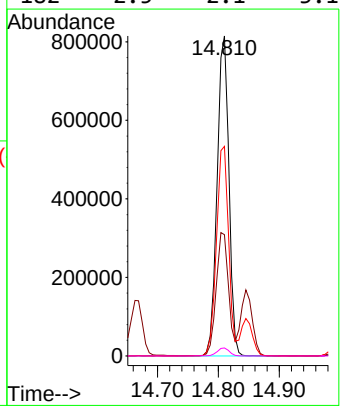
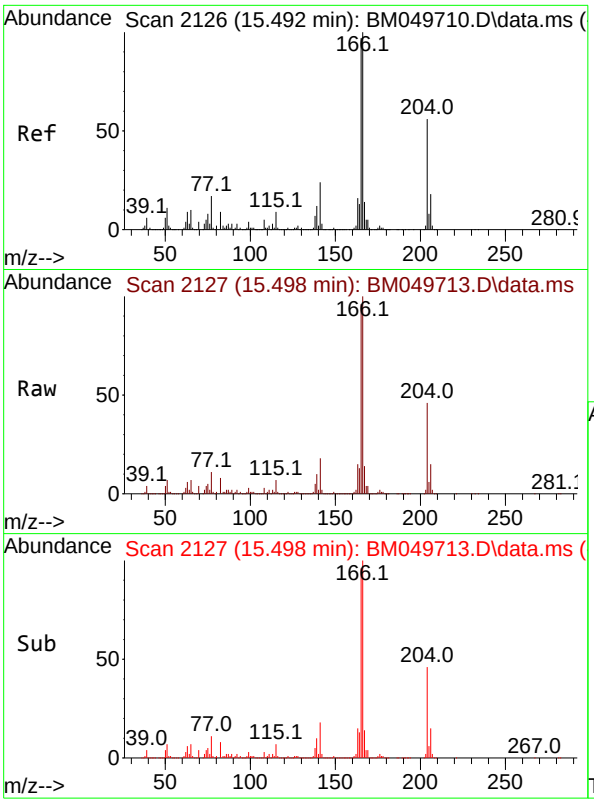


#57
2,4-Dinitrotoluene
Concen: 95.850 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:165 Resp: 1093074

Ion	Ratio	Lower	Upper
165	100		
63	37.9	30.8	46.2
89	65.5	53.1	79.7
182	2.5	2.1	3.1

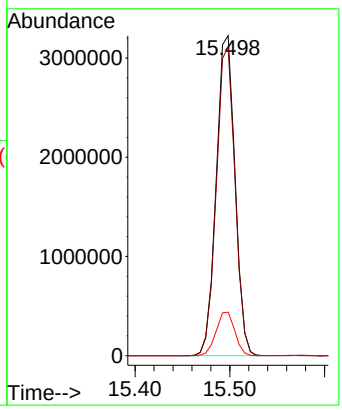




#58
Fluorene
Concen: 92.838 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:166 Resp: 445043

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.5	116.3
167	13.6	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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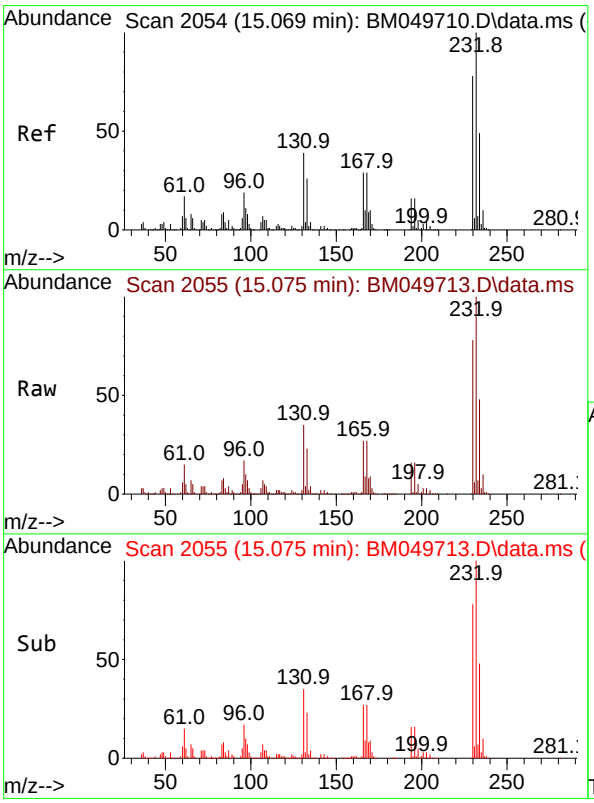
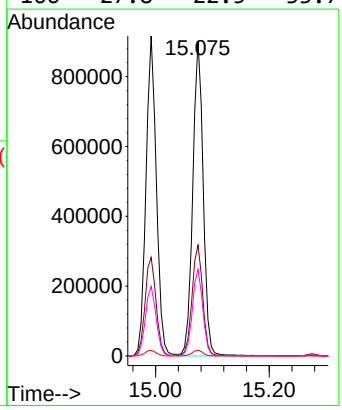
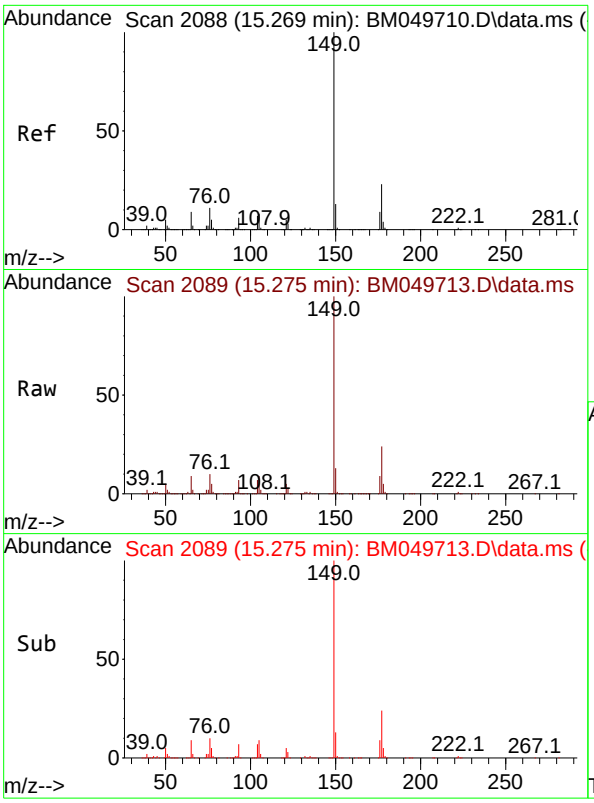


#59
2,3,4,6-Tetrachlorophenol
Concen: 95.892 ng
RT: 15.075 min Scan# 2055
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:232 Resp: 1157649

Ion	Ratio	Lower	Upper
232	100		
131	35.9	30.0	45.0
130	1.9	1.6	2.4
166	27.8	22.5	33.7

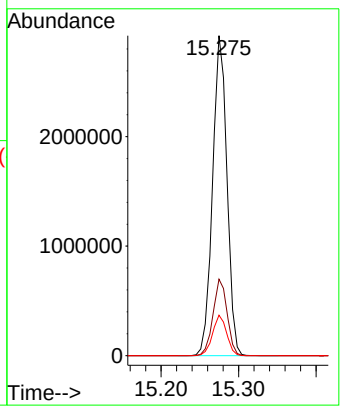




#60
Diethylphthalate
Concen: 90.238 ng
RT: 15.275 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 375909

Ion	Ratio	Lower	Upper
149	100		
177	23.9	18.2	27.2
150	12.7	10.0	15.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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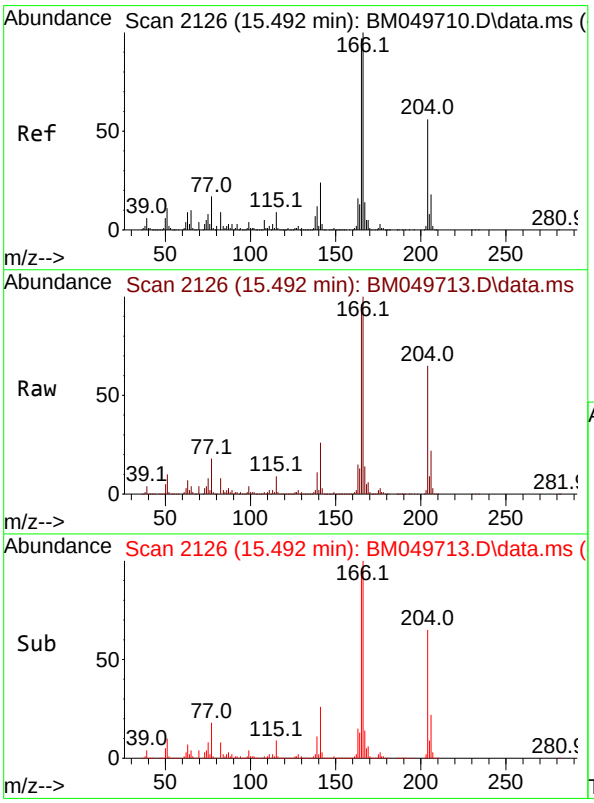
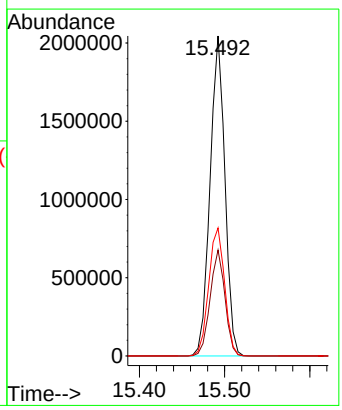
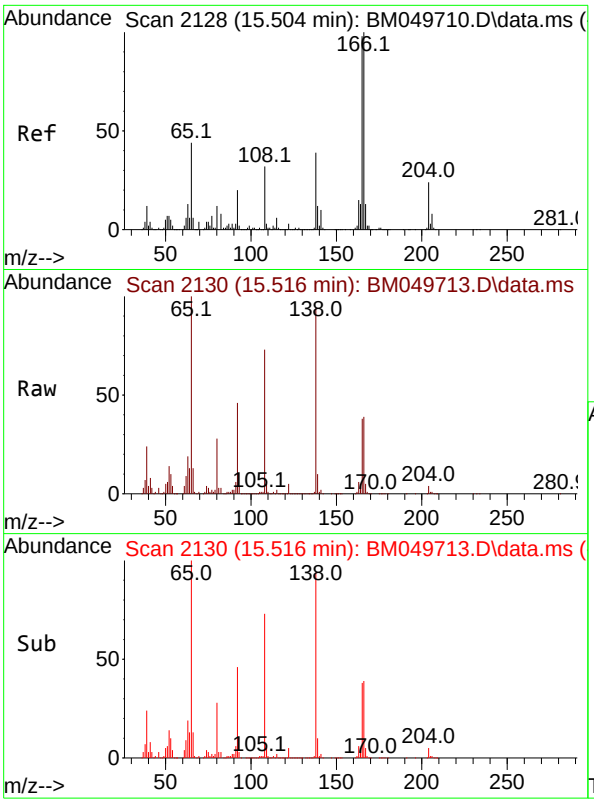


#61
4-Chlorophenyl-phenylether
Concen: 94.541 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:204 Resp: 2474798

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	40.0	34.5	51.7

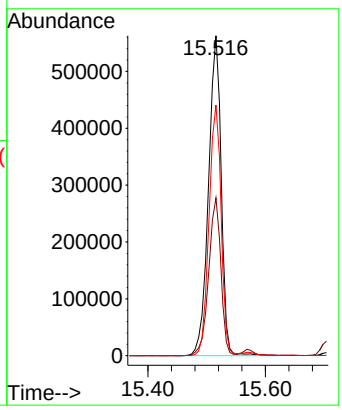




#62
4-Nitroaniline
Concen: 81.361 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:138 Resp: 84482

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.8	69.8
108	78.3	61.3	101.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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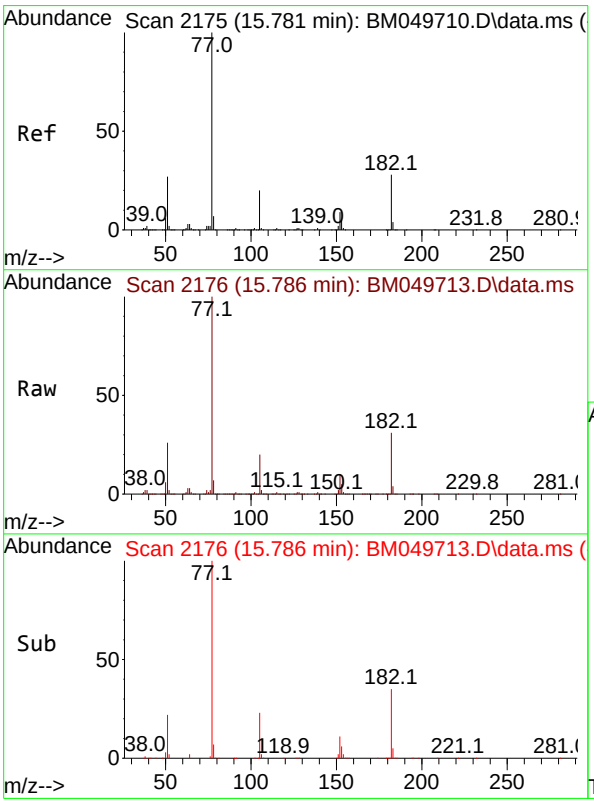
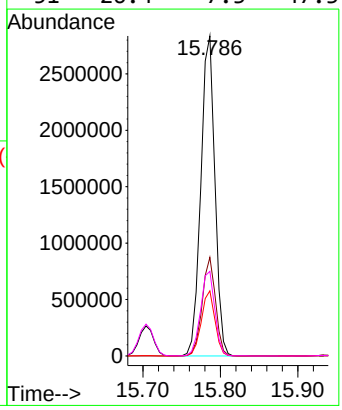
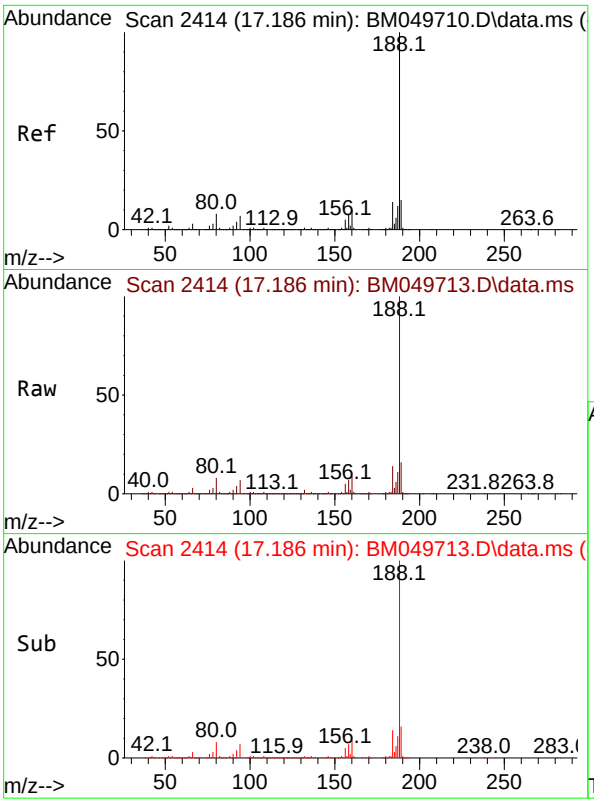


#63
Azobenzene
Concen: 89.793 ng
RT: 15.786 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 77 Resp: 3572876

Ion	Ratio	Lower	Upper
77	100		
182	30.8	8.0	48.0
105	20.4	0.0	40.0
51	26.4	7.3	47.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:188 Resp: 123248

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	8.4	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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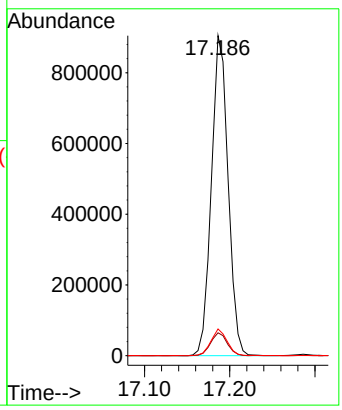
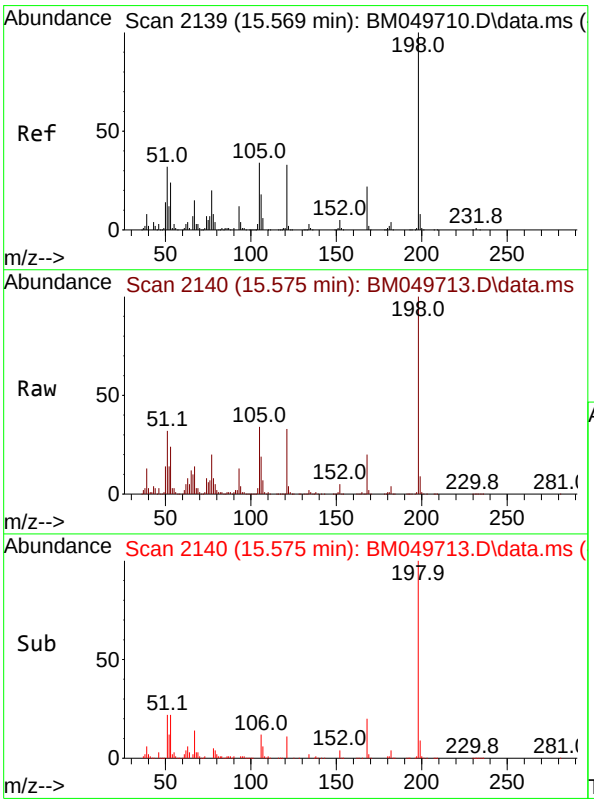
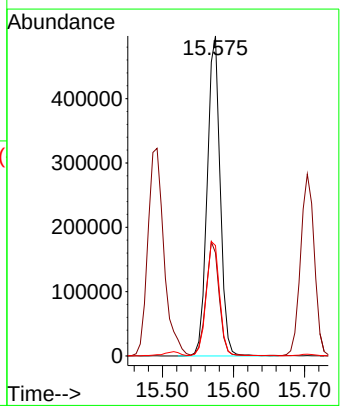


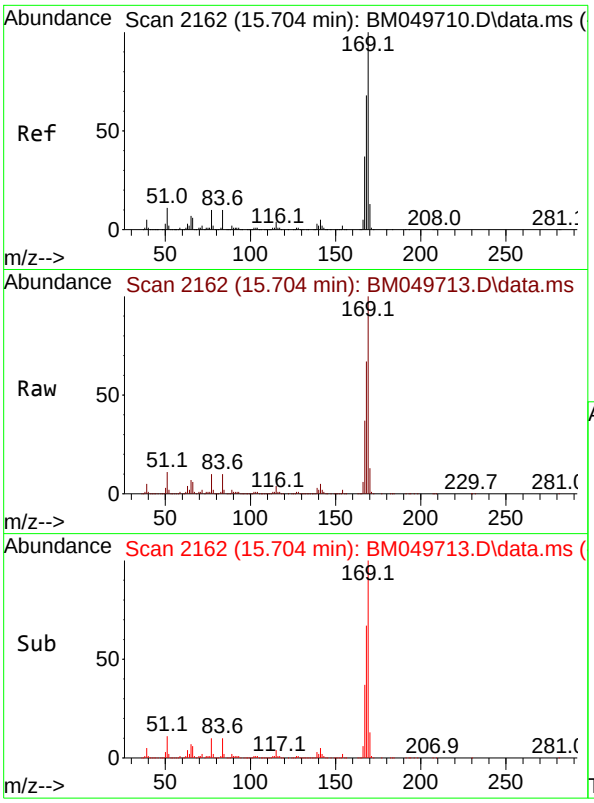


#65
4,6-Dinitro-2-methylphenol
Concen: 79.696 ng
RT: 15.575 min Scan# 2140
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:198 Resp: 629745

Ion	Ratio	Lower	Upper
198	100		
51	32.2	13.8	53.8
105	34.5	14.0	54.0

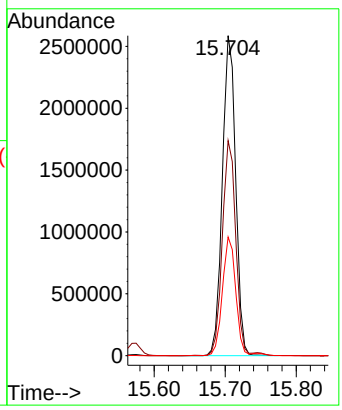




#66
n-Nitrosodiphenylamine
Concen: 89.598 ng
RT: 15.704 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:169 Resp: 334574

Ion	Ratio	Lower	Upper
169	100		
168	67.2	54.8	82.2
167	37.1	29.9	44.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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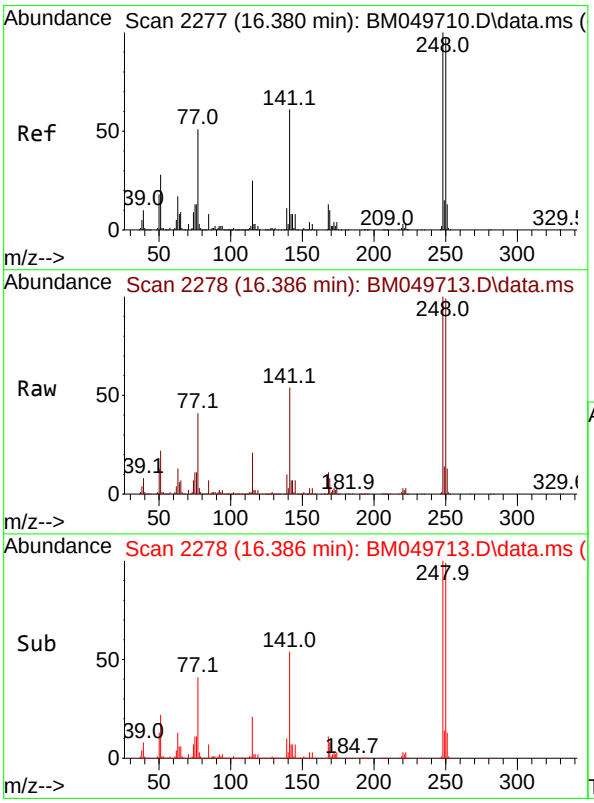
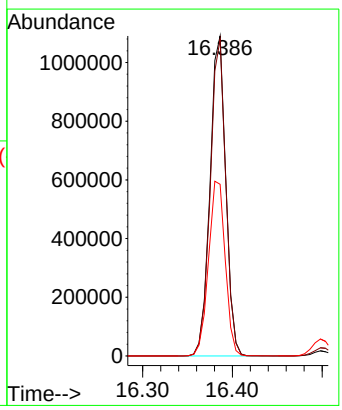
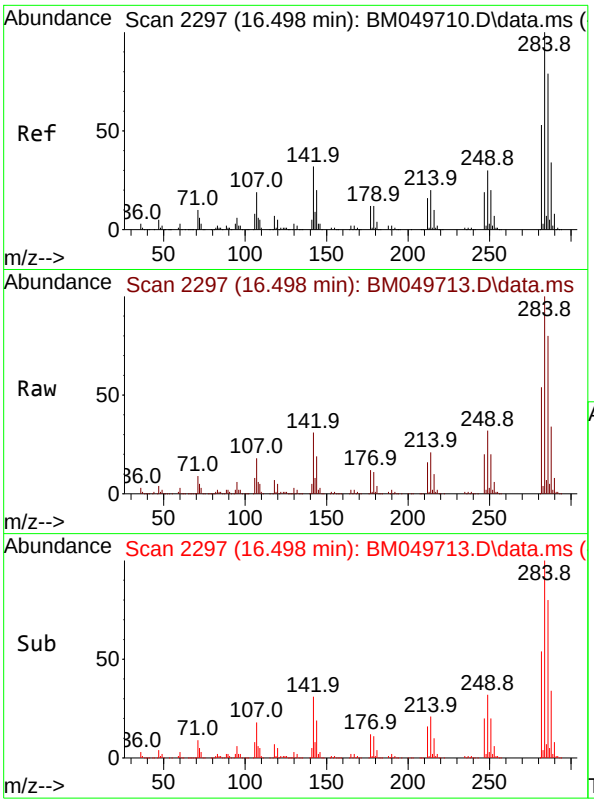


#67
4-Bromophenyl-phenylether
Concen: 93.560 ng
RT: 16.386 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:248 Resp: 1331345

Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.9	116.9
141	53.7	48.6	73.0

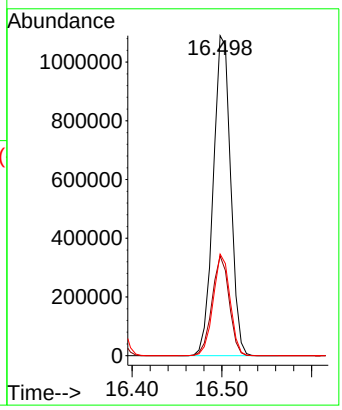




#68
Hexachlorobenzene
Concen: 91.538 ng
RT: 16.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:284 Resp: 146477

Ion	Ratio	Lower	Upper
284	100		
142	31.2	25.5	38.3
249	31.7	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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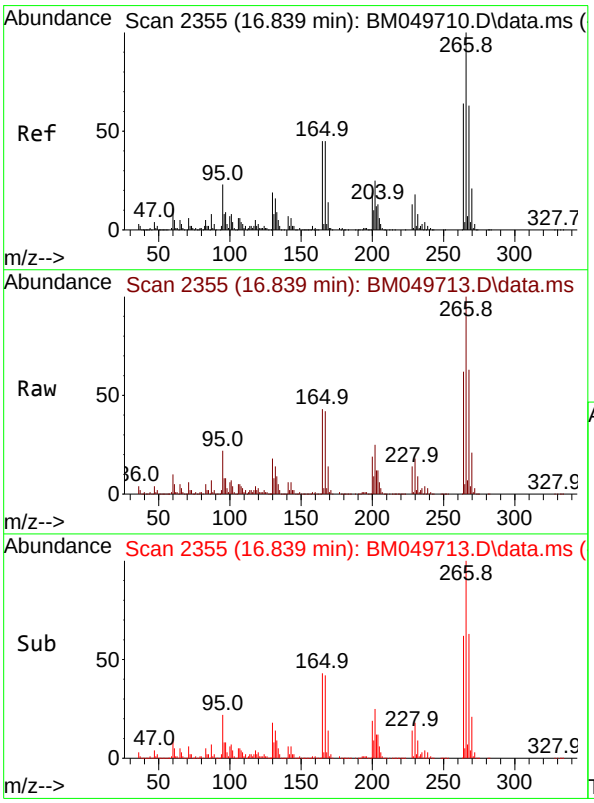
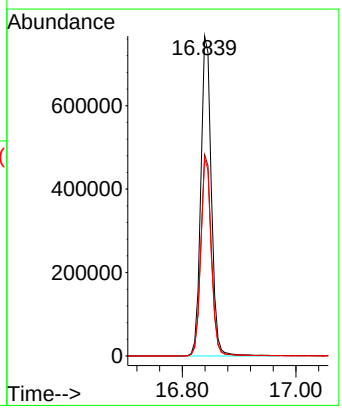
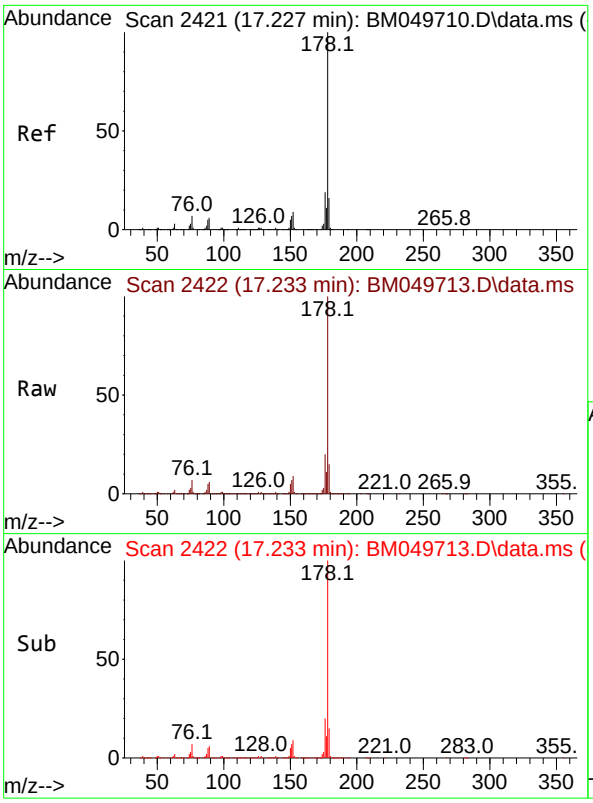


#70
Pentachlorophenol
Concen: 98.033 ng
RT: 16.839 min Scan# 2355
Delta R.T. 0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:266 Resp: 985815

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.2	75.2
264	61.7	51.3	76.9





#71
Phenanthrene
Concen: 90.245 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:178 Resp: 617607

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.5	12.5	18.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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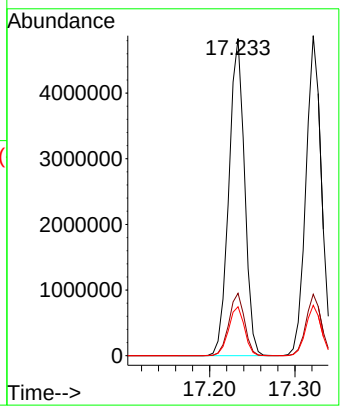
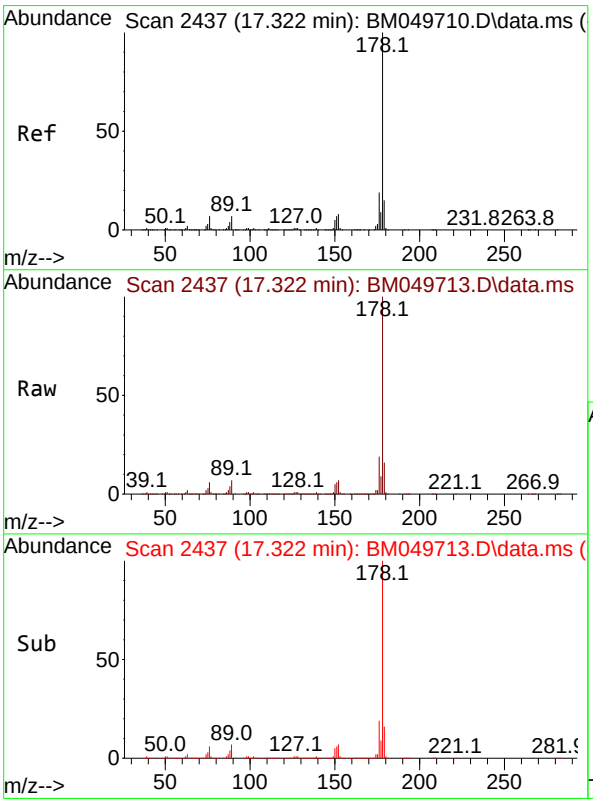
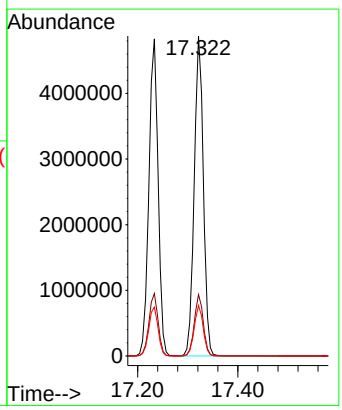


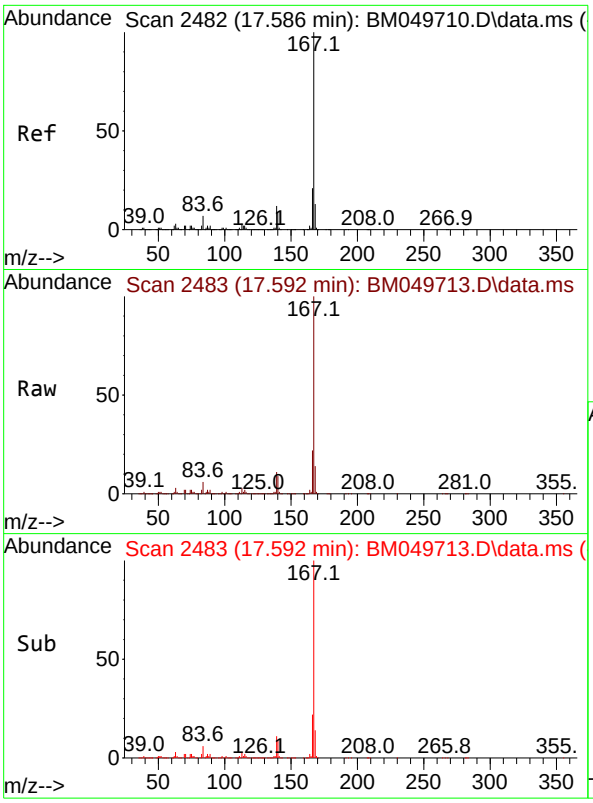


#72
Anthracene
Concen: 92.677 ng
RT: 17.322 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:178 Resp: 6142455

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.7	12.4	18.6





#73
Carbazole
Concen: 92.681 ng
RT: 17.592 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 556308

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.3	9.4	14.2

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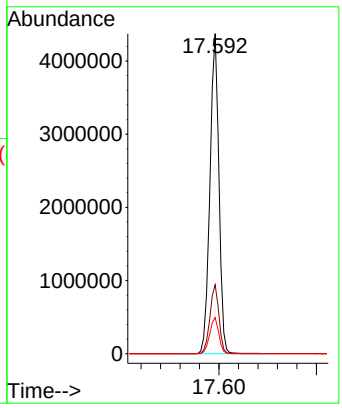
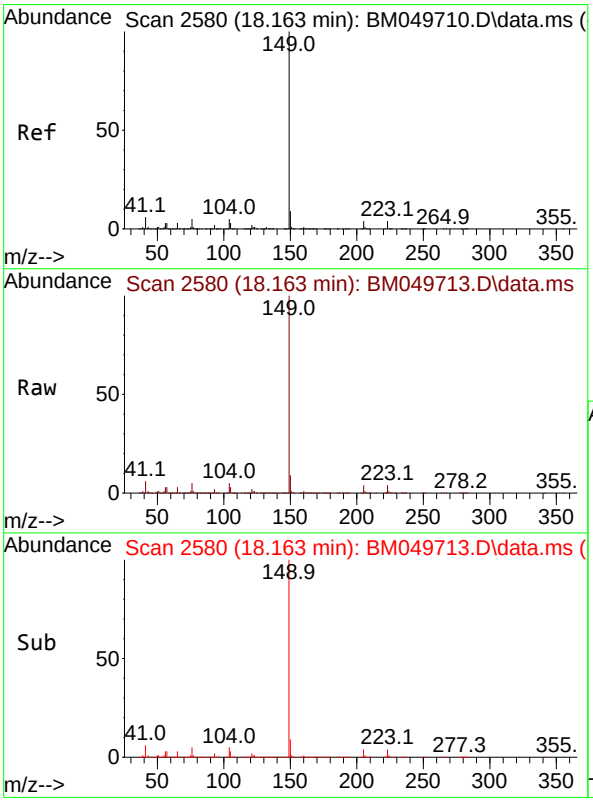
Supervised By :Jagrut Upadhyay 03/14/2025

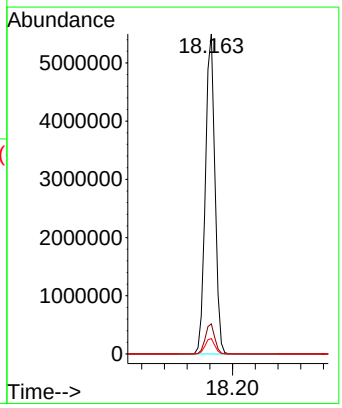


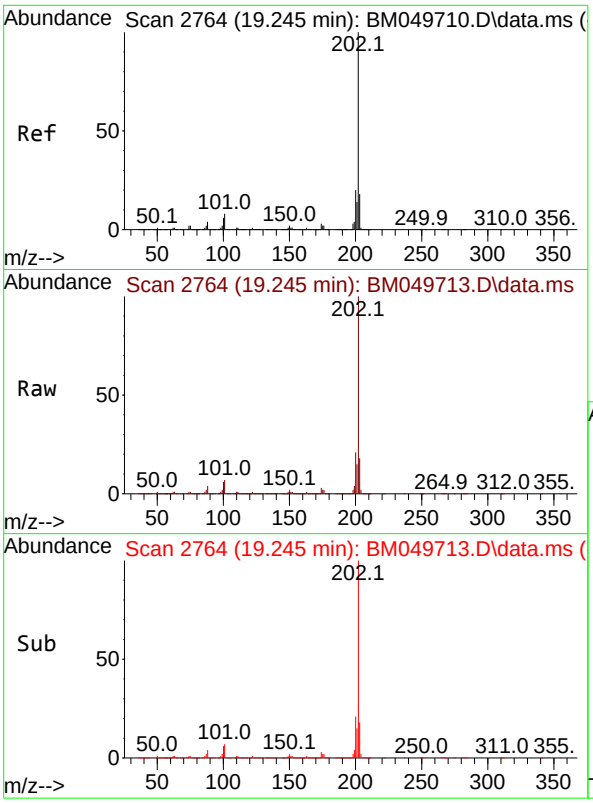


#74
Di-n-butylphthalate
Concen: 96.623 ng
RT: 18.163 min Scan# 2580
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 6356664

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.2	10.8
104	4.8	3.9	5.9

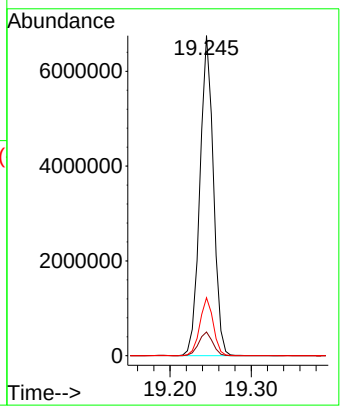




#75
Fluoranthene
Concen: 98.788 ng
RT: 19.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:202 Resp: 778358

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	27.8
203	18.1	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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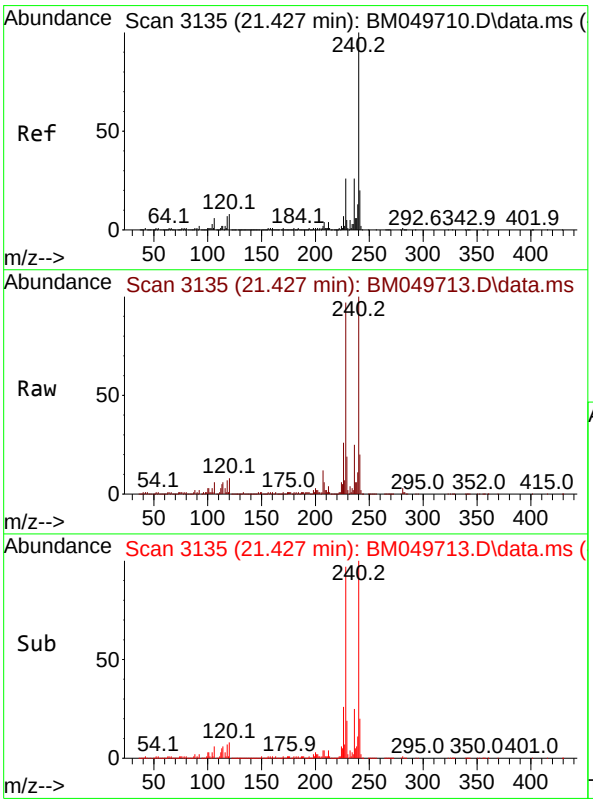
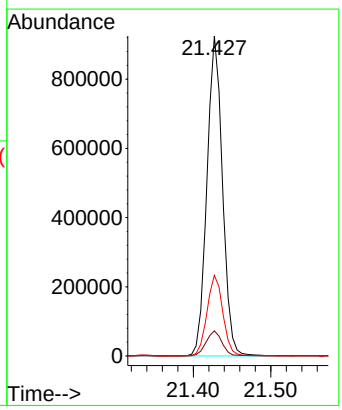
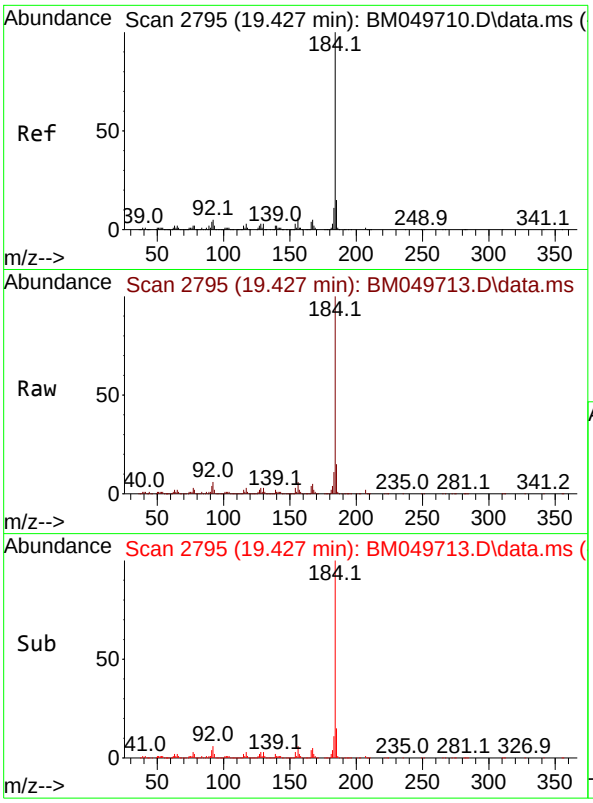


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:240 Resp: 1288590

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	25.2	20.7	31.1

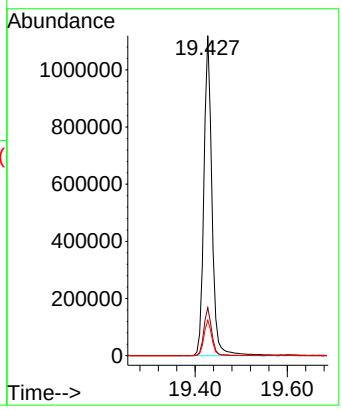




#77
Benzidine
Concen: 88.806 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:184 Resp: 137482

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.7	17.5
183	11.1	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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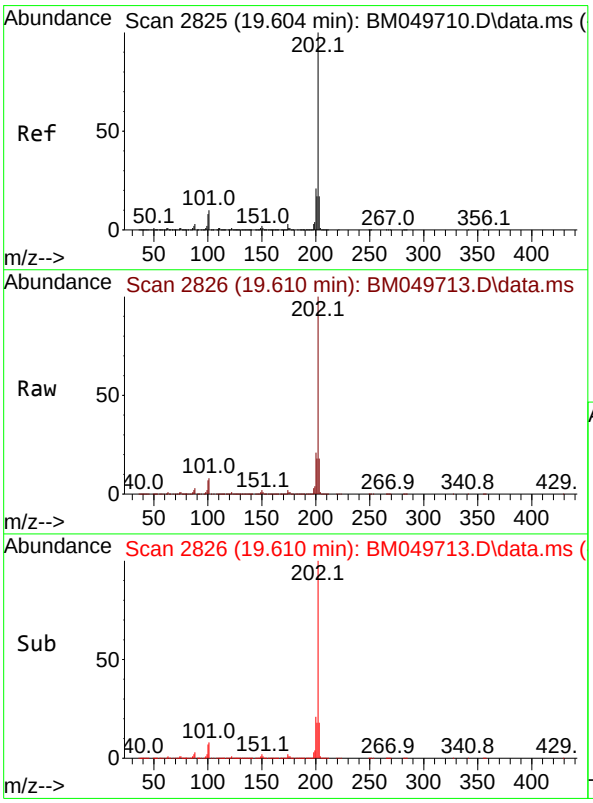
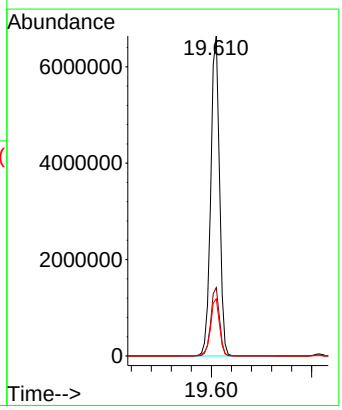
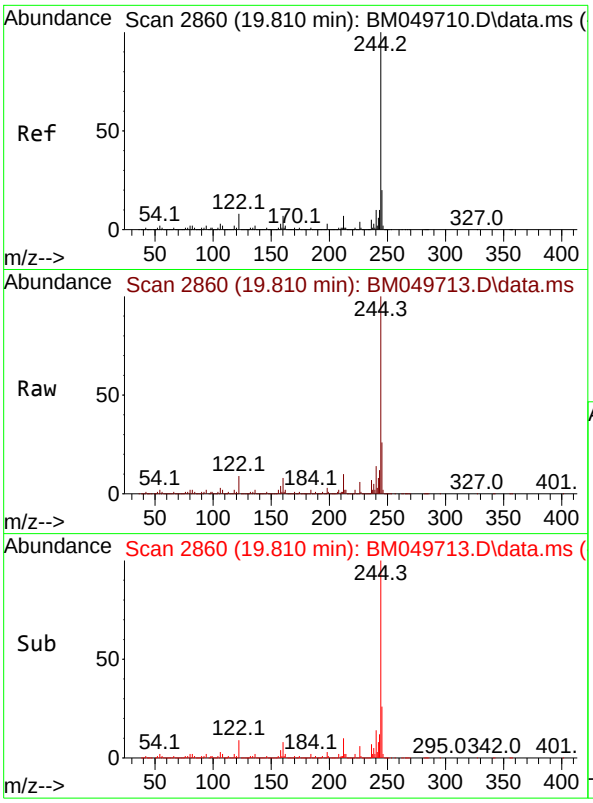


#78
Pyrene
Concen: 89.407 ng
RT: 19.610 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:202 Resp: 8049120

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.9	14.0	21.0

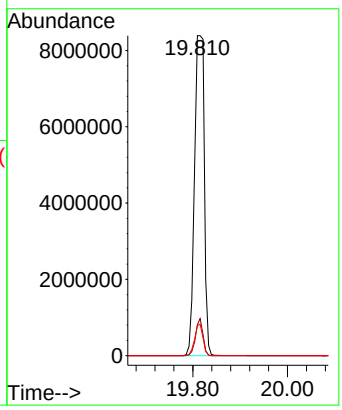




#79
Terphenyl-d14
Concen: 157.797 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:244 Resp:1206656

Ion	Ratio	Lower	Upper
244	100		
212	9.7	5.8	8.6#
122	9.4	6.0	9.0#



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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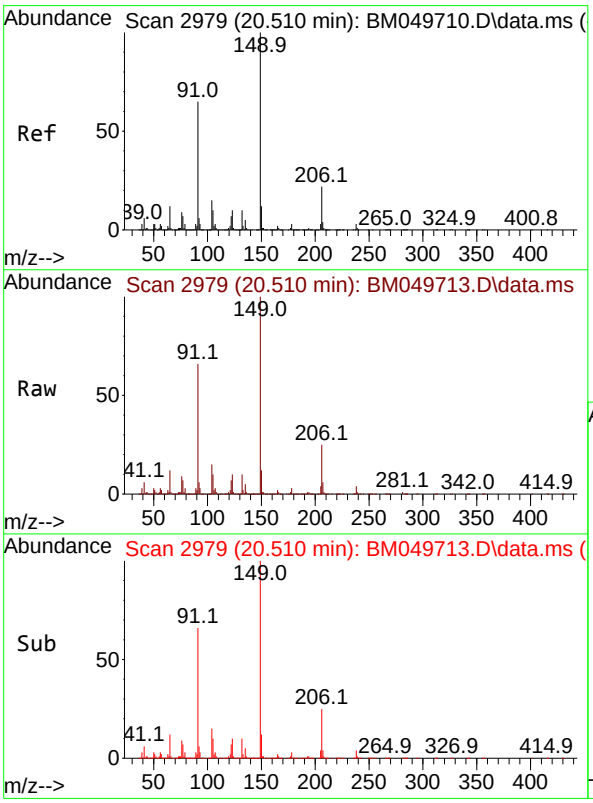
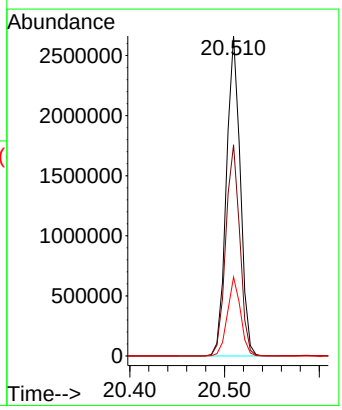
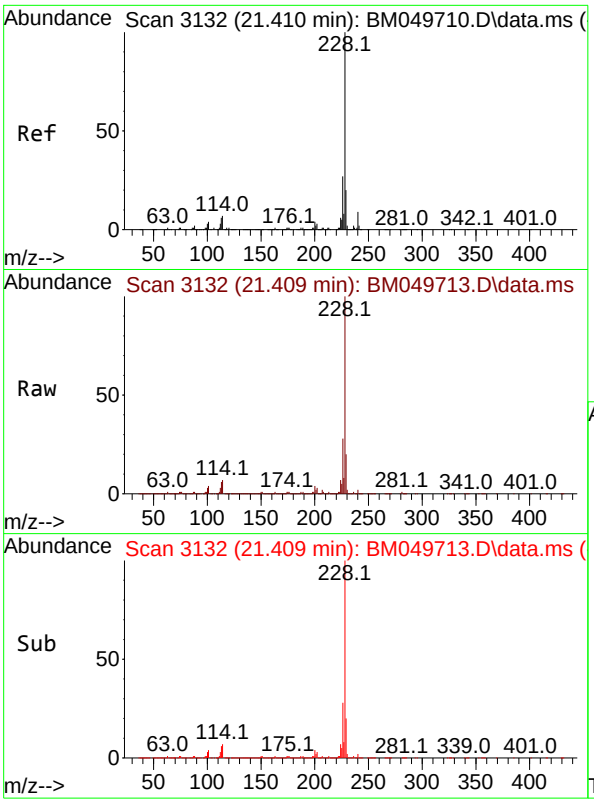


#80
Butylbenzylphthalate
Concen: 97.212 ng
RT: 20.510 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 2716011

Ion	Ratio	Lower	Upper
149	100		
91	66.0	52.2	78.4
206	24.6	17.6	26.4

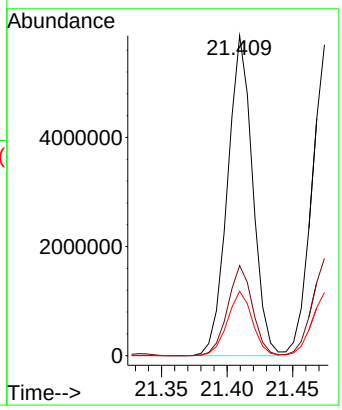




#81
Benzo(a)anthracene
Concen: 90.698 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:228 Resp: 780629

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.0	33.0
229	20.2	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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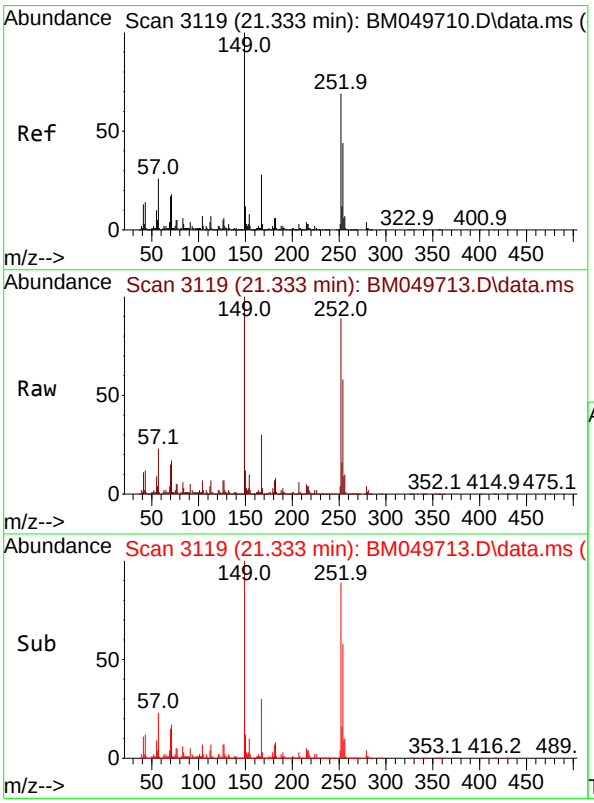
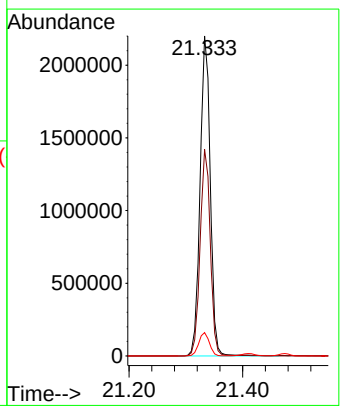
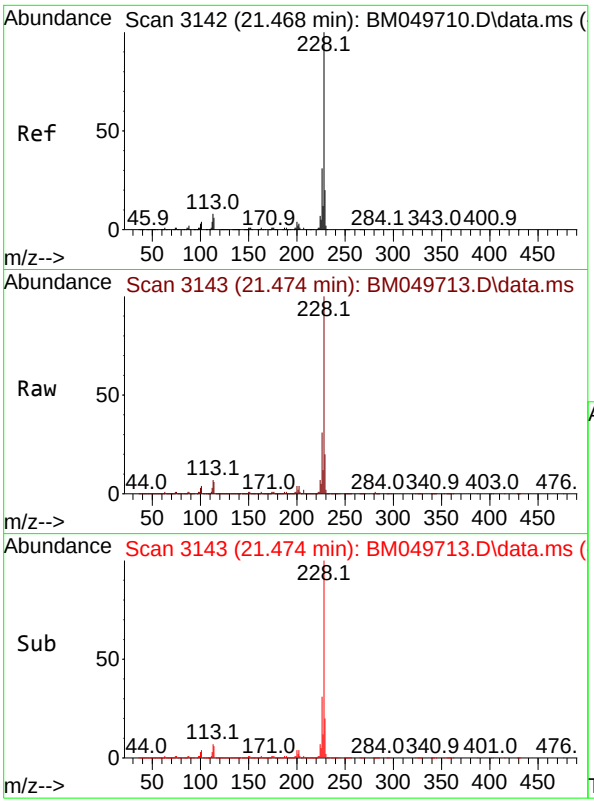


#82
3,3'-Dichlorobenzidine
Concen: 97.766 ng
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:252 Resp: 2739621

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.4
126	7.3	6.3	9.5

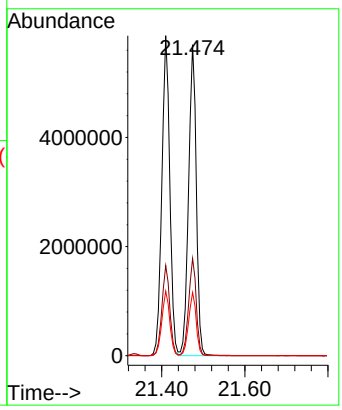




#83
Chrysene
Concen: 90.694 ng
RT: 21.474 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:228 Resp: 739957

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.5	36.7
229	20.3	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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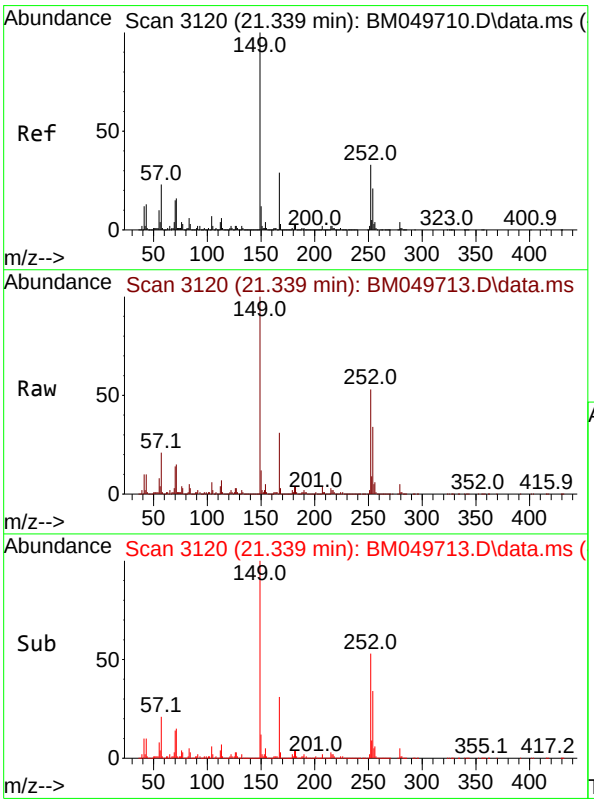
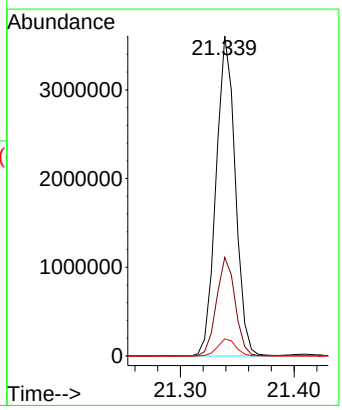
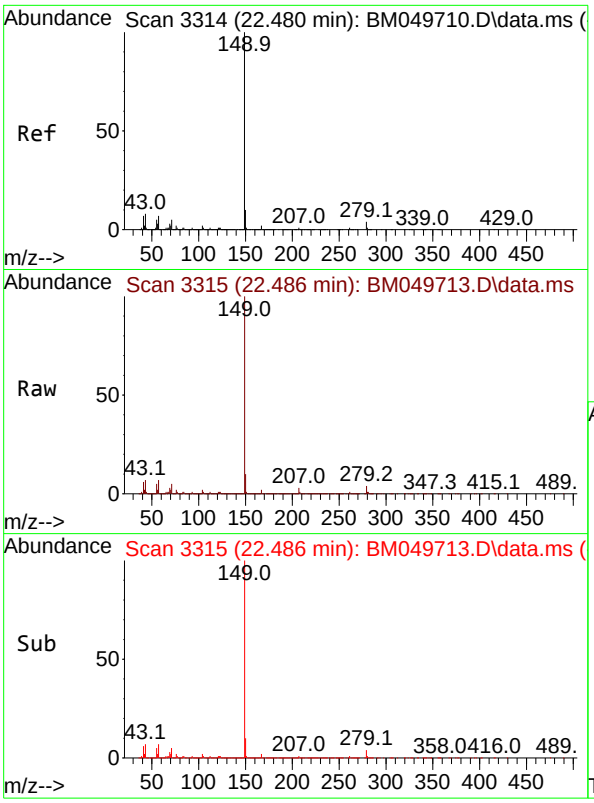


#84
Bis(2-ethylhexyl)phthalate
Concen: 97.524 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 4246419

Ion	Ratio	Lower	Upper
149	100		
167	30.8	22.9	34.3
279	5.4	3.5	5.3#





#85
Di-n-octyl phthalate
Concen: 98.213 ng
RT: 22.486 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 664666

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.9	6.8	10.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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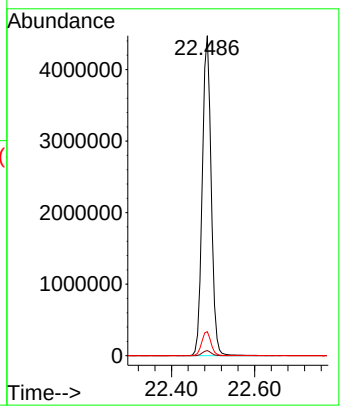
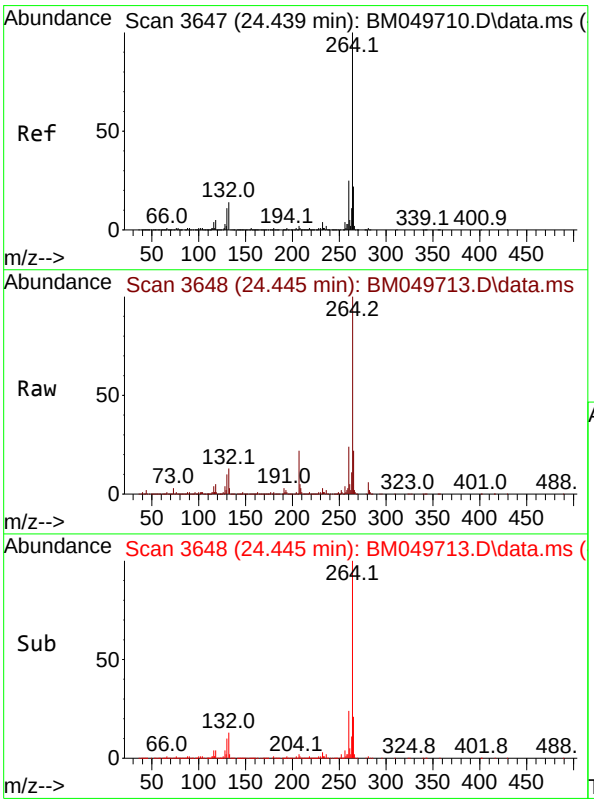
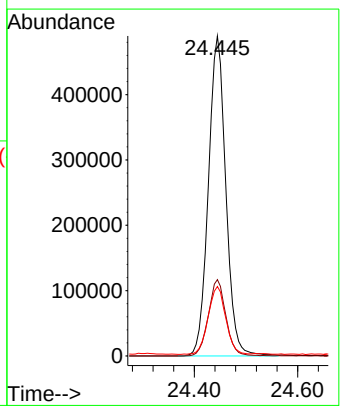


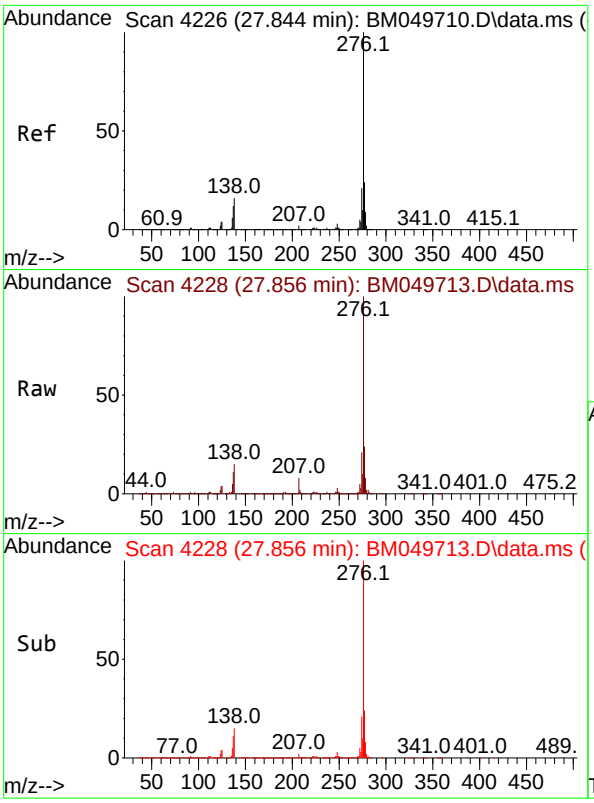


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.445 min Scan# 3648
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:264 Resp: 1147839

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	21.7	18.2	27.2

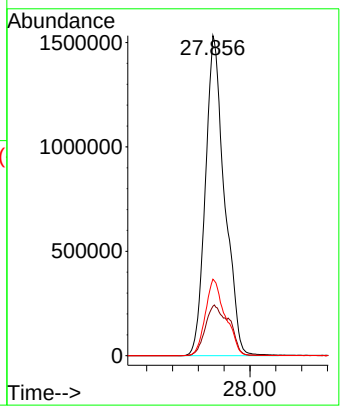




#87
Indeno(1,2,3-cd)pyrene
Concen: 95.562 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:276 Resp: 789497

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.3	24.5
277	25.0	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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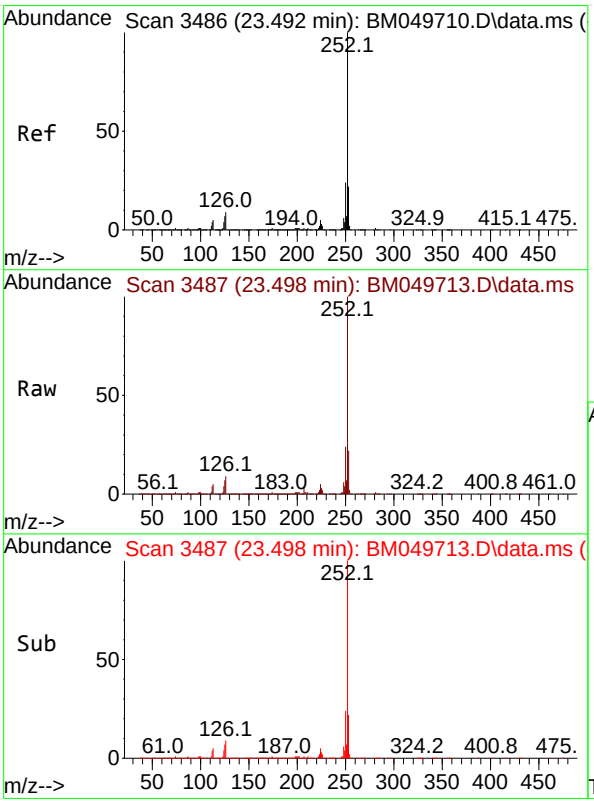
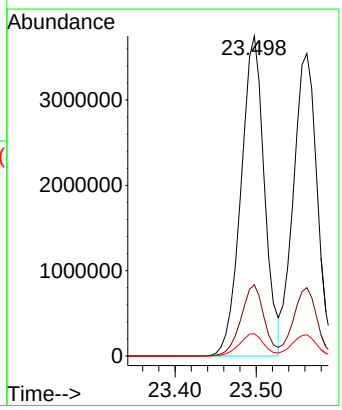
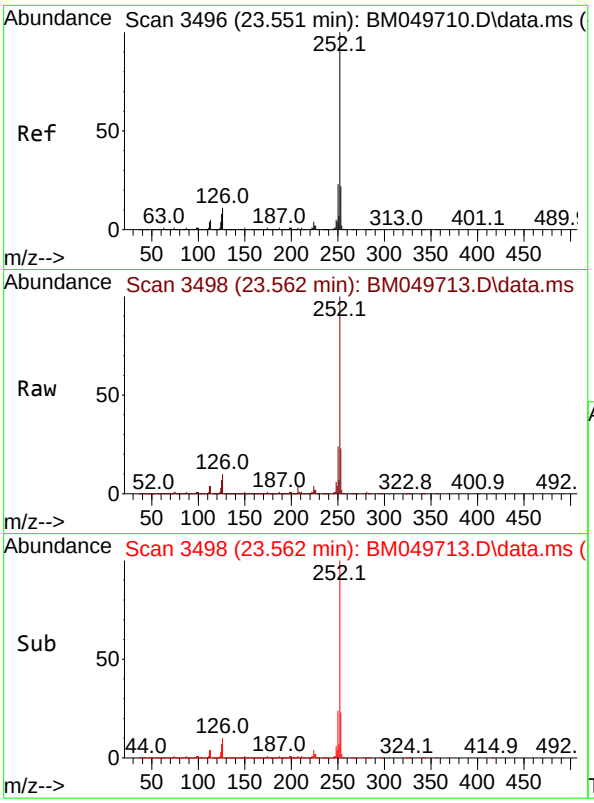


#88
Benzo(b)fluoranthene
Concen: 97.171 ng
RT: 23.498 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:252 Resp: 7512407

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	6.9	5.9	8.9





#89
Benzo(k)fluoranthene
Concen: 94.915 ng
RT: 23.562 min Scan# 34
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:252 Resp: 722046

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	7.0	6.2	9.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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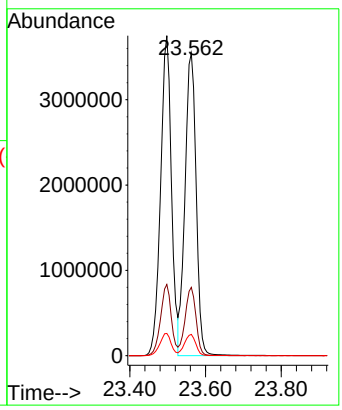
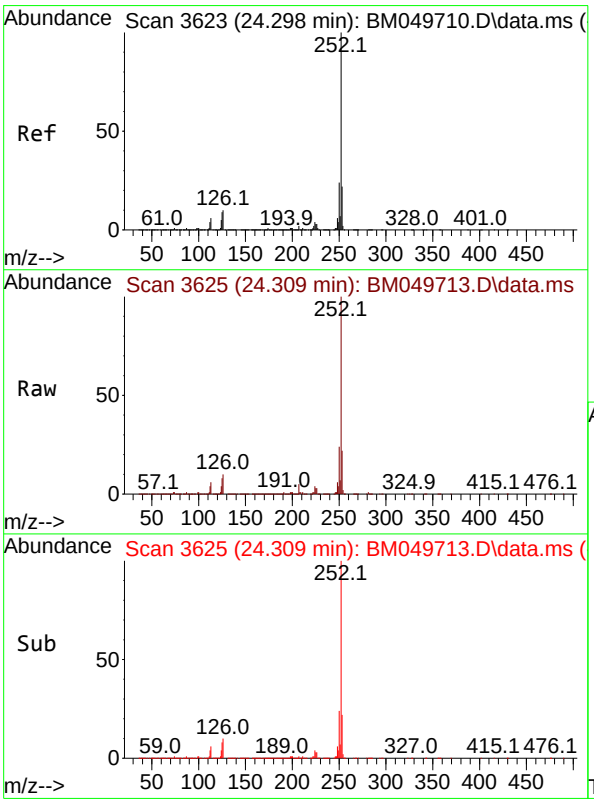
Supervised By :Jagrut Upadhyay 03/14/2025

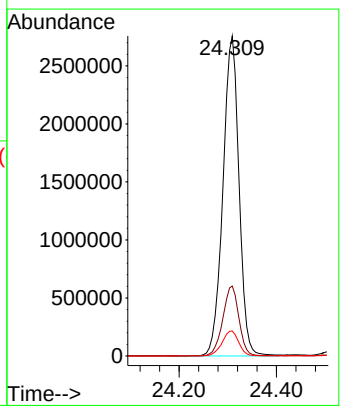


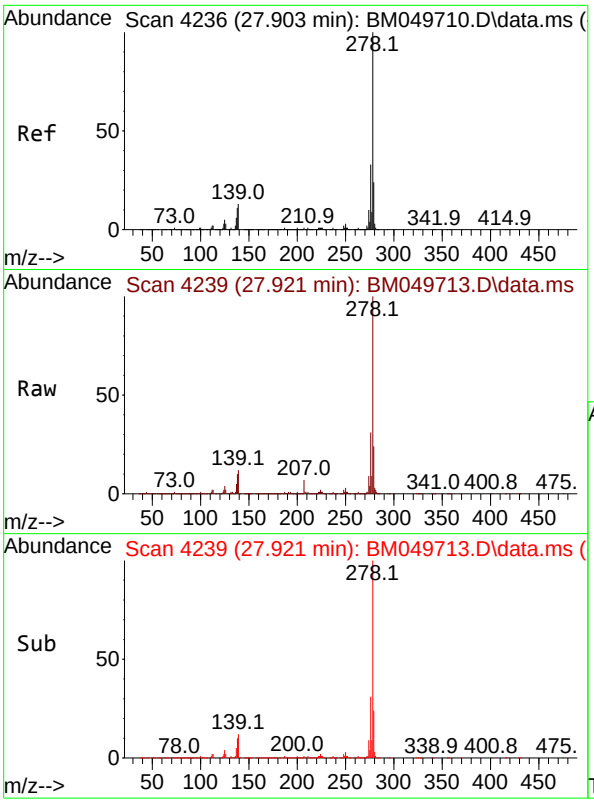


#90
Benzo(a)pyrene
Concen: 97.443 ng
RT: 24.309 min Scan# 3625
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:252 Resp: 6327756

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	7.8	7.0	10.6

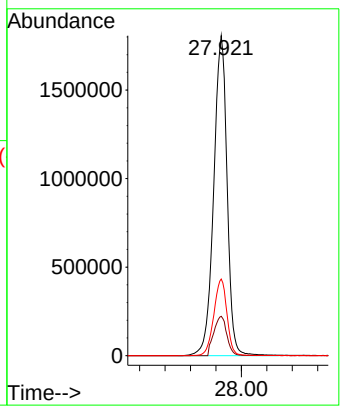




#91
Dibenzo(a,h)anthracene
Concen: 96.052 ng
RT: 27.921 min Scan# 4
Delta R.T. 0.018 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:278 Resp: 661147

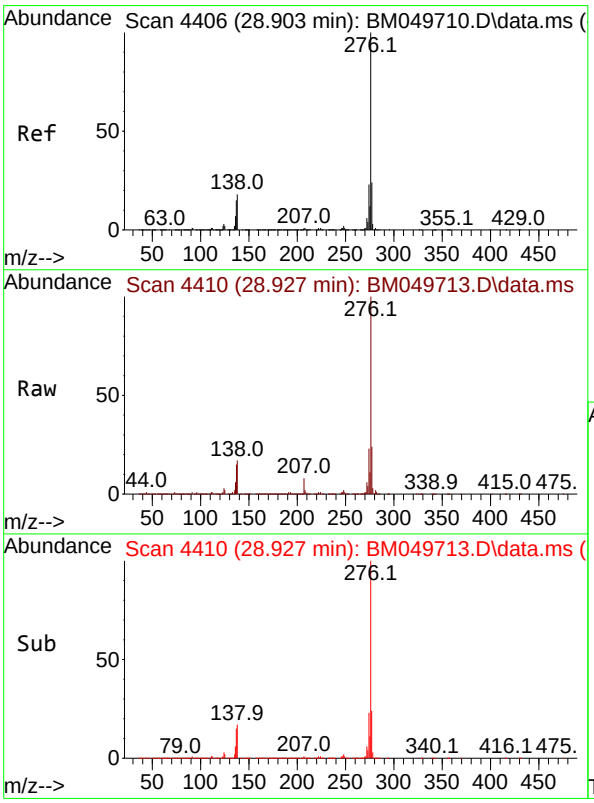
Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.1	15.1
279	24.0	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

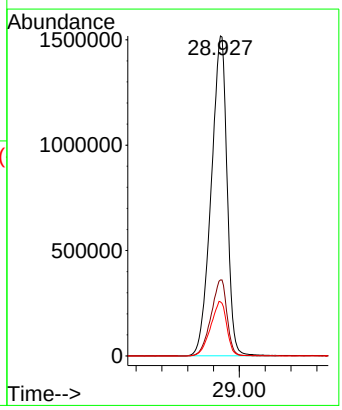
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 93.187 ng
RT: 28.927 min Scan# 4410
Delta R.T. 0.023 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:276 Resp: 6460933

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	16.9	14.0	21.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.810	152	399812	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1369450	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	852294	20.000	ng		0.00
64) Phenanthrene-d10	17.192	188	1592582	20.000	ng		0.00
76) Chrysene-d12	21.427	240	1466147	20.000	ng		0.00
86) Perylene-d12	24.444	264	1326527	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	1891142	79.812	ng		0.00
7) Phenol-d6	6.981	99	2447496	82.307	ng		0.00
23) Nitrobenzene-d5	8.963	82	2126194	79.713	ng		0.00
42) 2,4,6-Tribromophenol	15.939	330	875272	87.947	ng		0.00
45) 2-Fluorobiphenyl	13.075	172	5375823	78.993	ng		0.00
79) Terphenyl-d14	19.815	244	7576311	87.079	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	394101	38.421	ng		99
3) Pyridine	3.687	79	1041115m	39.743	ng		
4) n-Nitrosodimethylamine	3.593	42	460309	39.713	ng		100
6) Aniline	7.140	93	1035308	41.558	ng		100
8) 2-Chlorophenol	7.375	128	929963	39.632	ng		99
9) Benzaldehyde	6.946	77	572392	38.938	ng		99
10) Phenol	7.010	94	1165563	40.424	ng		97
11) bis(2-Chloroethyl)ether	7.234	93	926742	39.691	ng		100
12) 1,3-Dichlorobenzene	7.698	146	1101384	38.623	ng		99
13) 1,4-Dichlorobenzene	7.845	146	1111735	38.645	ng		97
14) 1,2-Dichlorobenzene	8.163	146	1060889	38.803	ng		98
15) Benzyl Alcohol	8.045	79	782965	41.958	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.345	45	1062992	38.736	ng		100
17) 2-Methylphenol	8.257	107	697345	40.737	ng		100
18) Hexachloroethane	8.892	117	384500	37.848	ng		90
19) n-Nitroso-di-n-propyla...	8.616	70	718211	41.653	ng		99
20) 3+4-Methylphenols	8.581	107	940414	40.994	ng		98
22) Acetophenone	8.628	105	1393533	39.465	ng	#	99
24) Nitrobenzene	9.004	77	997217	39.649	ng		100
25) Isophorone	9.534	82	1666027	40.681	ng		100
26) 2-Nitrophenol	9.716	139	451612	42.188	ng		98
27) 2,4-Dimethylphenol	9.781	122	556007	40.805	ng		99
28) bis(2-Chloroethoxy)met...	10.016	93	1128797	39.135	ng		99
29) 2,4-Dichlorophenol	10.257	162	895070	40.313	ng		99
30) 1,2,4-Trichlorobenzene	10.469	180	1058273	38.096	ng		100
31) Naphthalene	10.657	128	2766321	39.284	ng		100
32) Benzoic acid	9.928	122	497601	42.940	ng		98
33) 4-Chloroaniline	10.763	127	968932	40.318	ng		100
34) Hexachlorobutadiene	10.945	225	655162	38.204	ng		99
35) Caprolactam	11.545	113	222273	43.119	ng		97
36) 4-Chloro-3-methylphenol	11.892	107	800680	42.022	ng		98
37) 2-Methylnaphthalene	12.269	142	1966254	39.933	ng		100
38) 1-Methylnaphthalene	12.486	142	1904818	40.096	ng		100
40) 1,2,4,5-Tetrachloroben...	12.639	216	1217494	38.890	ng		100
41) Hexachlorocyclopentadiene	12.627	237	457666	39.461	ng		99
43) 2,4,6-Trichlorophenol	12.880	196	720412	41.087	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	781740	40.857	ng	98
46) 1,1'-Biphenyl	13.280	154	2552259	38.855	ng	100
47) 2-Chloronaphthalene	13.322	162	1973551	38.600	ng	99
48) 2-Nitroaniline	13.522	65	482592	42.046	ng	98
49) Acenaphthylene	14.169	152	2837576	39.705	ng	99
50) Dimethylphthalate	13.910	163	2306806	39.312	ng	100
51) 2,6-Dinitrotoluene	14.022	165	479409	40.774	ng	96
52) Acenaphthene	14.516	154	1839291	39.236	ng	99
53) 3-Nitroaniline	14.351	138	466241	41.671	ng	97
54) 2,4-Dinitrophenol	14.551	184	235915	40.645	ng	98
55) Dibenzofuran	14.845	168	3036901	38.878	ng	100
56) 4-Nitrophenol	14.663	139	387757	39.814	ng	99
57) 2,4-Dinitrotoluene	14.810	165	633322	41.860	ng	97
58) Fluorene	15.498	166	2552375	40.133	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.074	232	659657	41.187	ng	99
60) Diethylphthalate	15.274	149	2202259	39.848	ng	99
61) 4-Chlorophenyl-phenyle...	15.492	204	1389032	39.997	ng	96
62) 4-Nitroaniline	15.510	138	488092	37.552	ng	98
63) Azobenzene	15.786	77	2092221	39.634	ng	99
65) 4,6-Dinitro-2-methylph...	15.568	198	335673	40.710	ng	94
66) n-Nitrosodiphenylamine	15.704	169	1935702	40.117	ng	98
67) 4-Bromophenyl-phenylether	16.386	248	733304	39.881	ng	97
68) Hexachlorobenzene	16.498	284	816963	39.511	ng	98
69) Atrazine	16.657	200	397712	37.400	ng	97
70) Pentachlorophenol	16.845	266	523396	40.280	ng	98
71) Phenanthrene	17.233	178	3502162	39.603	ng	100
72) Anthracene	17.321	178	3462856	40.434	ng	100
73) Carbazole	17.592	167	3088050	39.814	ng	99
74) Di-n-butylphthalate	18.162	149	3415276	40.175	ng	100
75) Fluoranthene	19.245	202	4098453	40.255	ng	99
77) Benzidine	19.427	184	861900	48.932	ng	100
78) Pyrene	19.609	202	4229052	41.286	ng	100
80) Butylbenzylphthalate	20.509	149	1322122	41.591	ng	96
81) Benzo(a)anthracene	21.409	228	3881696	39.638	ng	100
82) 3,3'-Dichlorobenzidine	21.333	252	1278791	40.108	ng	99
83) Chrysene	21.474	228	3630416	39.108	ng	100
84) Bis(2-ethylhexyl)phtha...	21.345	149	2039556	41.168	ng	100
85) Di-n-octyl phthalate	22.486	149	2953248	38.353	ng	100
87) Indeno(1,2,3-cd)pyrene	27.856	276	3642855	38.154	ng	100
88) Benzo(b)fluoranthene	23.497	252	3507924	39.262	ng	100
89) Benzo(k)fluoranthene	23.562	252	3482012	39.606	ng	99
90) Benzo(a)pyrene	24.309	252	2962652	39.477	ng	99
91) Dibenzo(a,h)anthracene	27.915	278	3029972	38.090	ng	100
92) Benzo(g,h,i)perylene	28.915	276	3030114	37.817	ng	100

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

ICAL Form

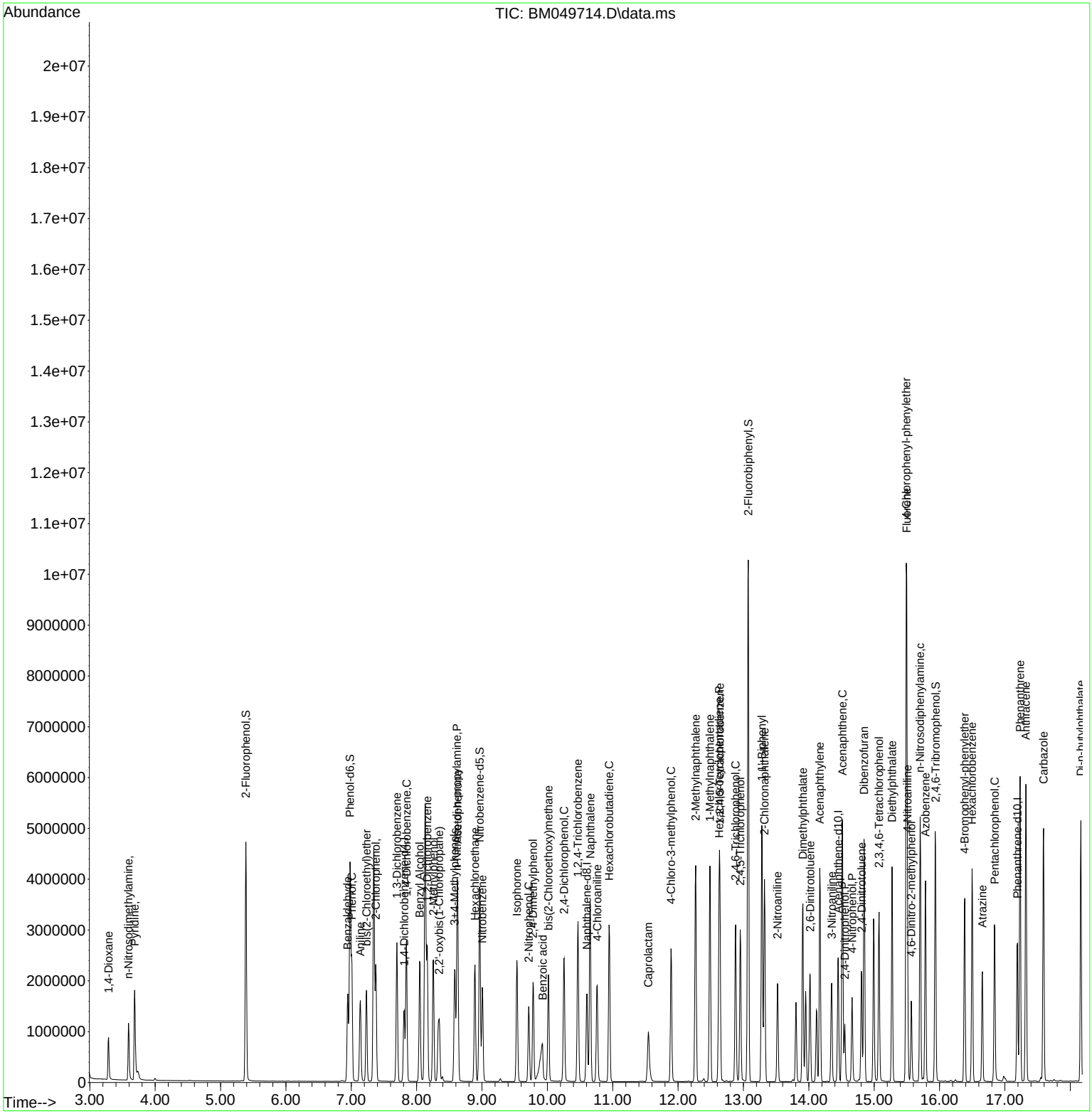
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
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Quant Time: Mar 13 15:16:44 2025
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Instrument :
BNA_M
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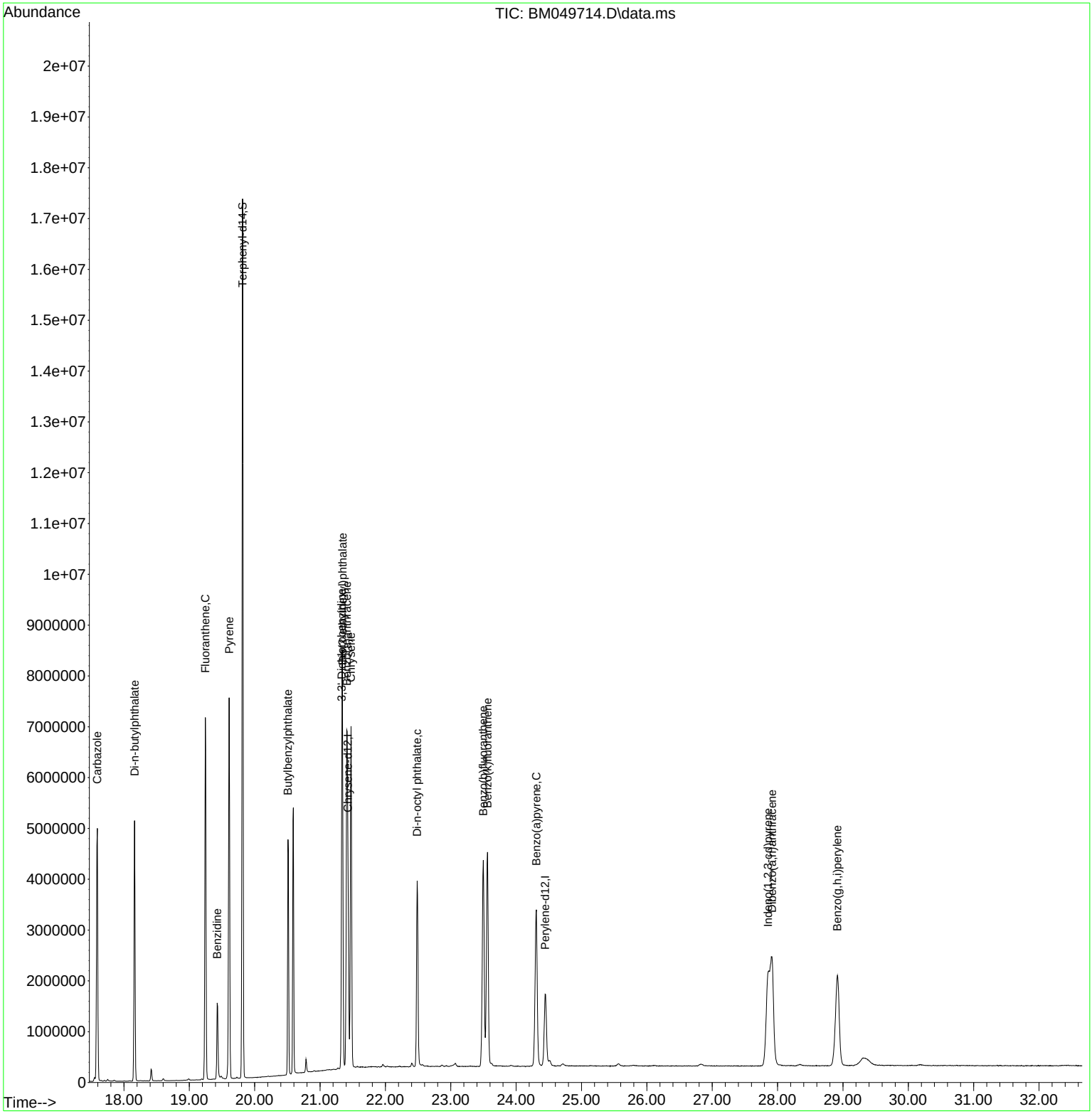
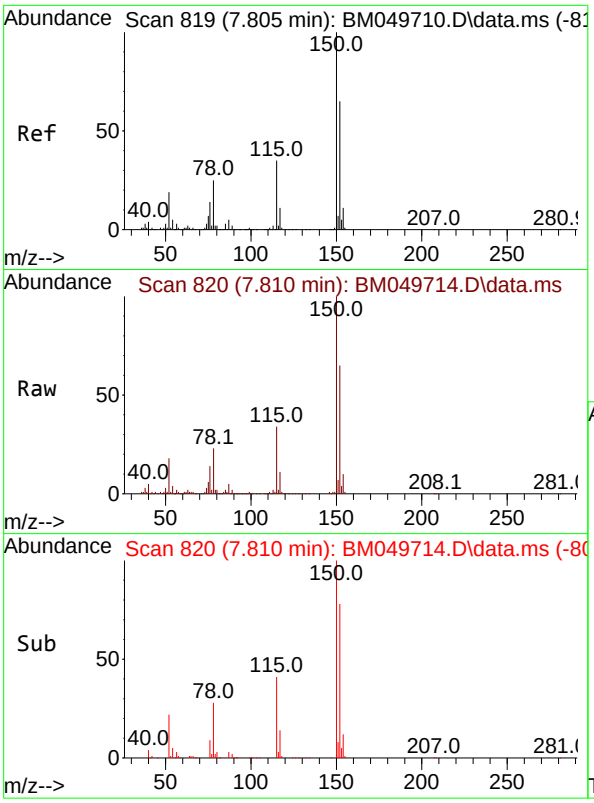
ICVBM031325

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

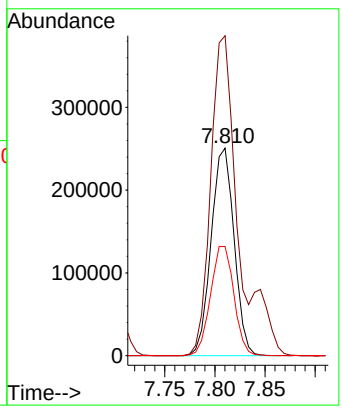




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:152 Resp: 39981

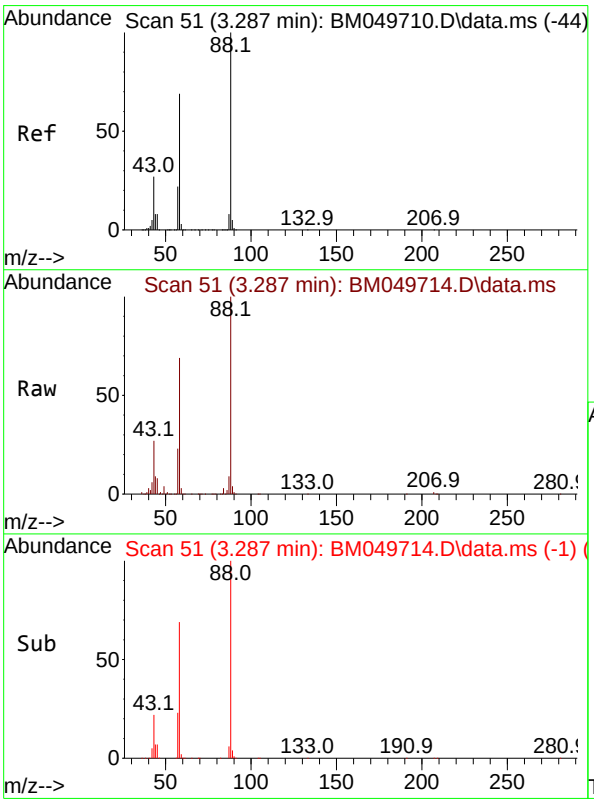
Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.8	185.8
115	52.6	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

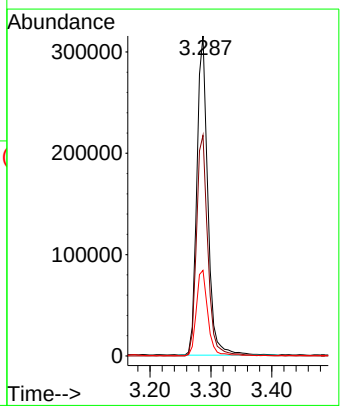
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

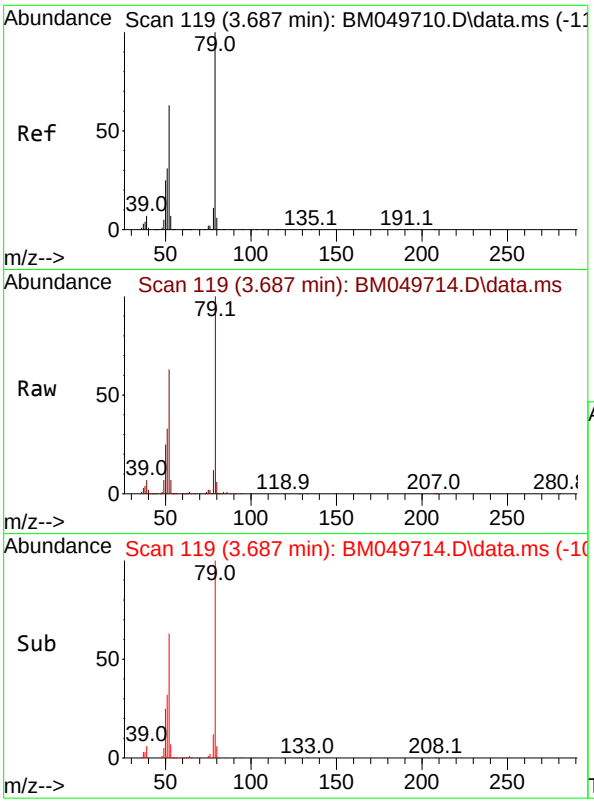


#2
1,4-Dioxane
Concen: 38.421 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 88 Resp: 394101

Ion	Ratio	Lower	Upper
88	100		
58	71.3	56.7	85.1
43	28.0	22.6	34.0

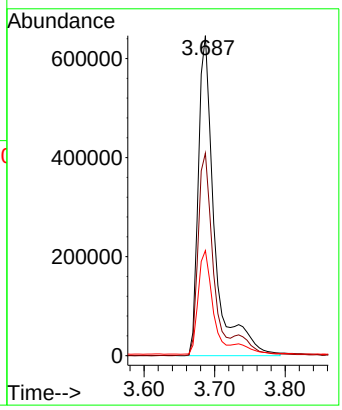




#3
Pyridine
Concen: 39.743 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 79 Resp: 104111

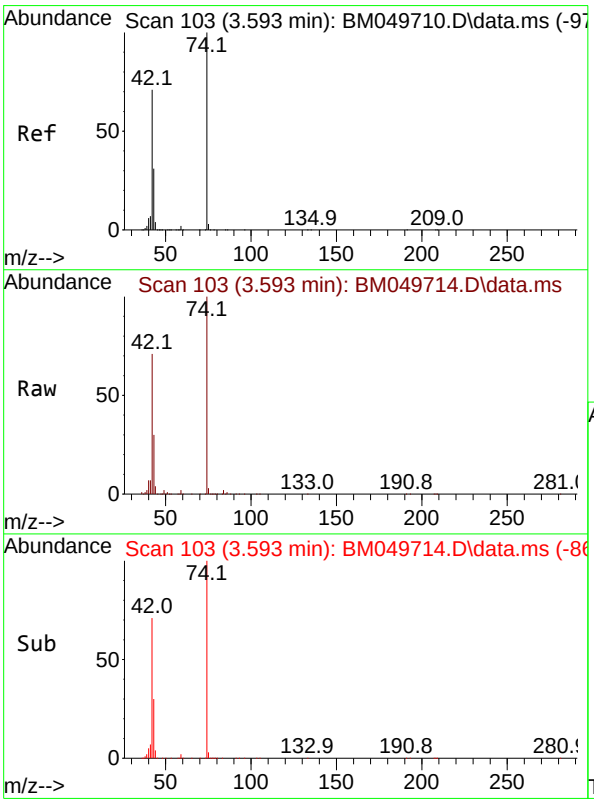
Ion	Ratio	Lower	Upper
79	100		
52	63.3	50.1	75.1
51	32.8	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

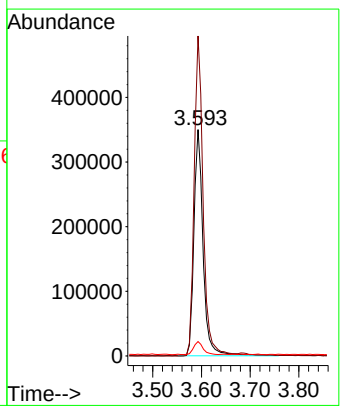
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

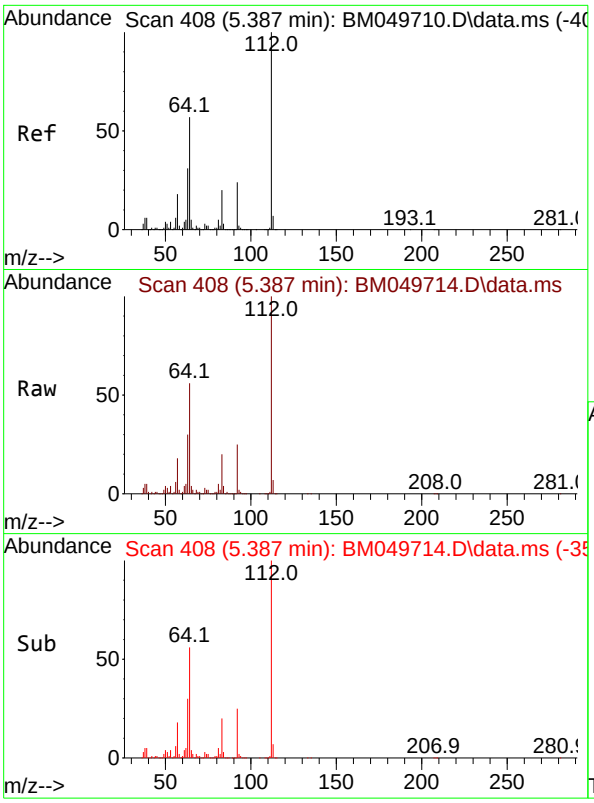


#4
n-Nitrosodimethylamine
Concen: 39.713 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 42 Resp: 460309

Ion	Ratio	Lower	Upper
42	100		
74	141.3	112.6	168.8
44	6.3	5.0	7.6

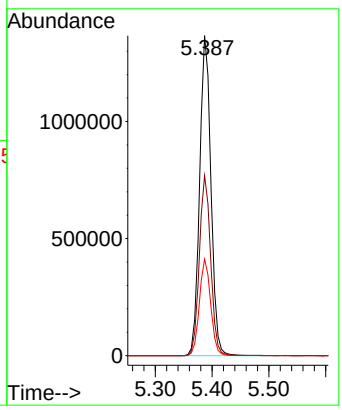




#5
2-Fluorophenol
Concen: 79.812 ng
RT: 5.387 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:112 Resp: 189114

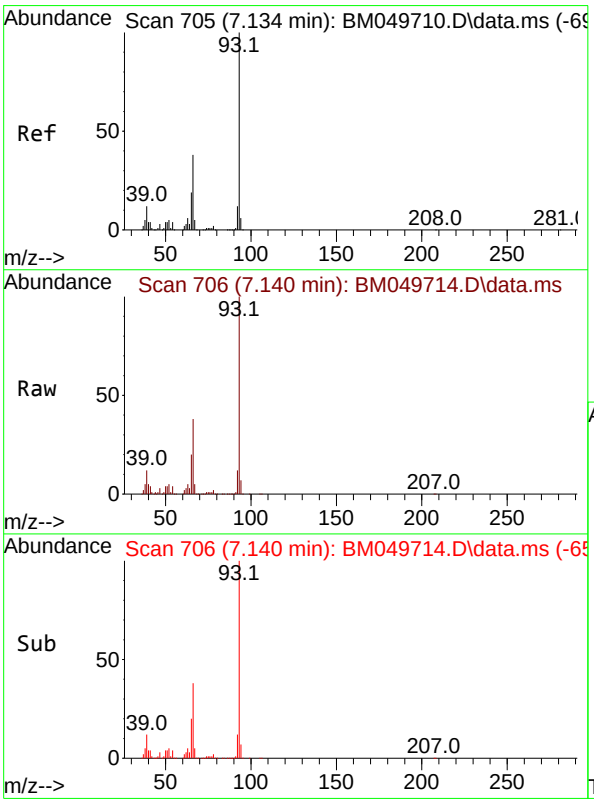
Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.3	67.9
63	30.2	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

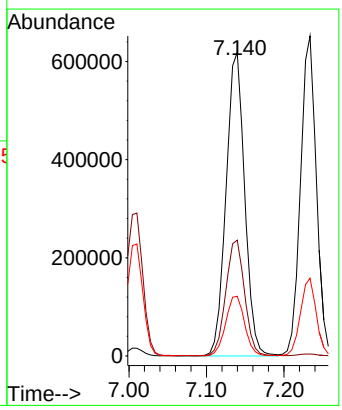
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

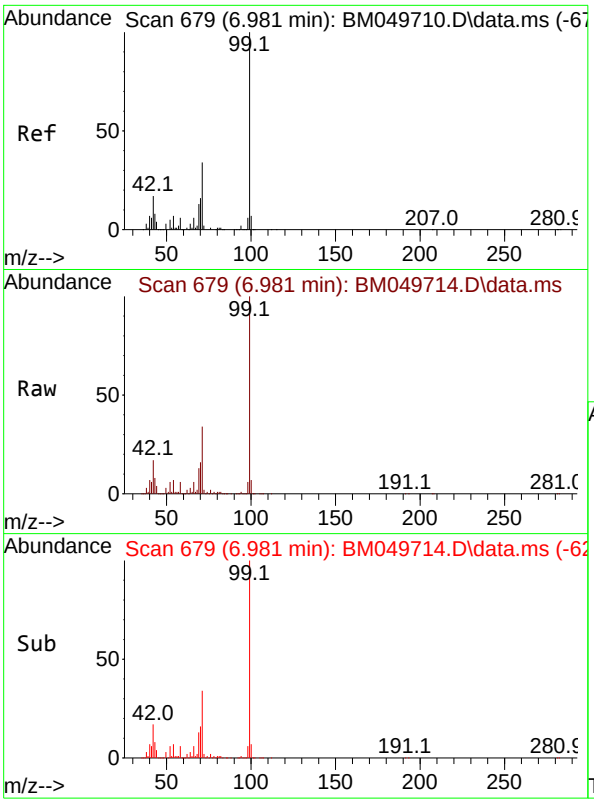


#6
Aniline
Concen: 41.558 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 93 Resp: 1035308

Ion	Ratio	Lower	Upper
93	100		
66	38.2	30.6	46.0
65	19.7	15.4	23.2

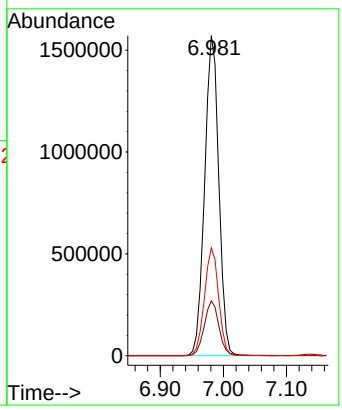




#7
Phenol-d6
Concen: 82.307 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 99 Resp: 244749

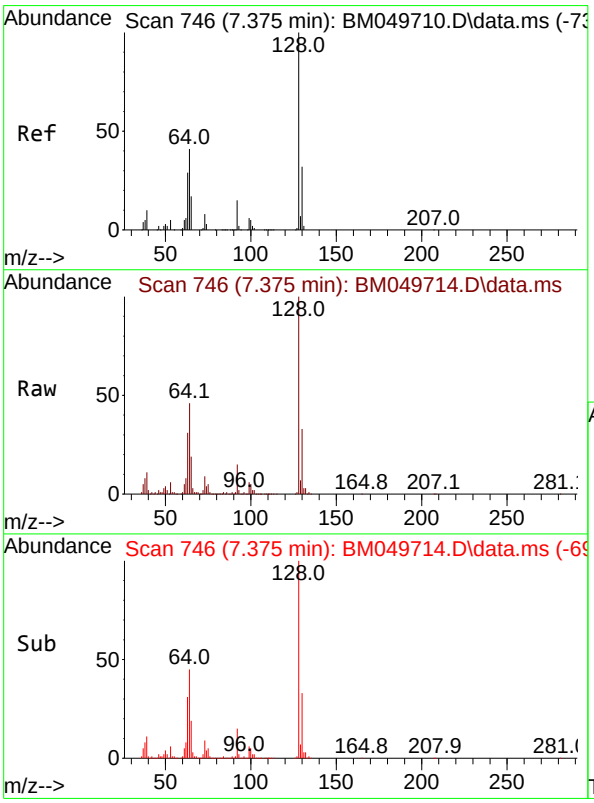
Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.6	20.4
71	33.7	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

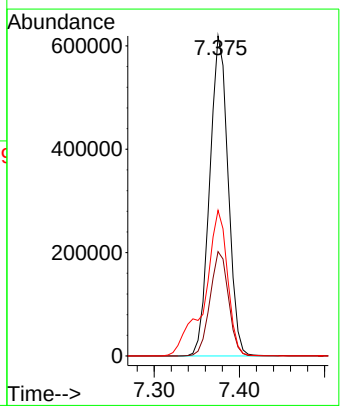
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

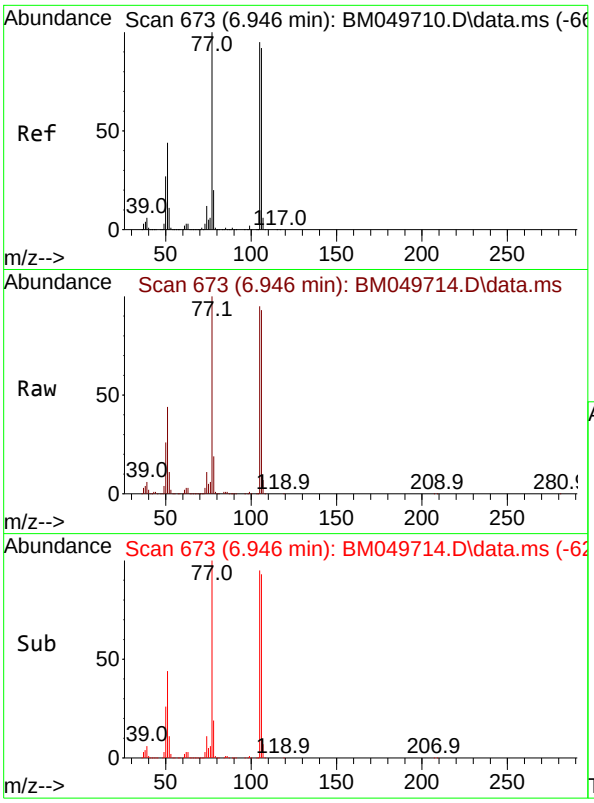


#8
2-Chlorophenol
Concen: 39.632 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:128 Resp: 929963

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	45.5	24.9	64.9

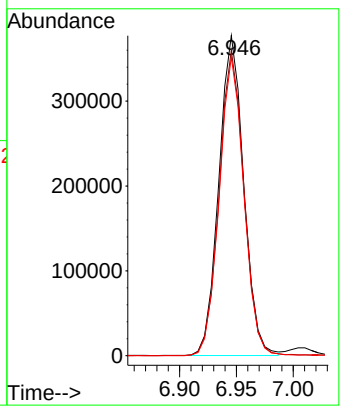




#9
Benzaldehyde
Concen: 38.938 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 77 Resp: 57239

Ion	Ratio	Lower	Upper
77	100		
105	95.4	75.0	115.0
106	93.4	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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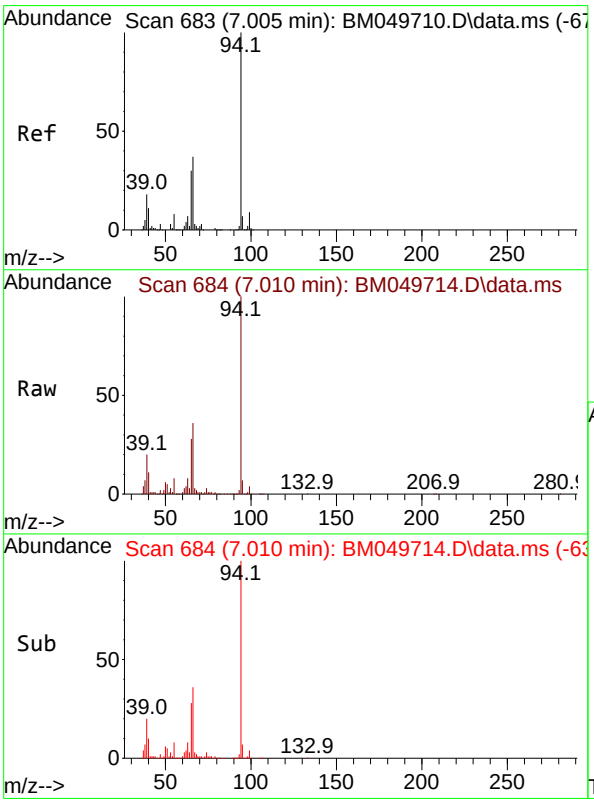
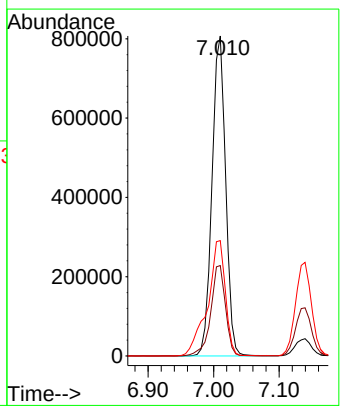
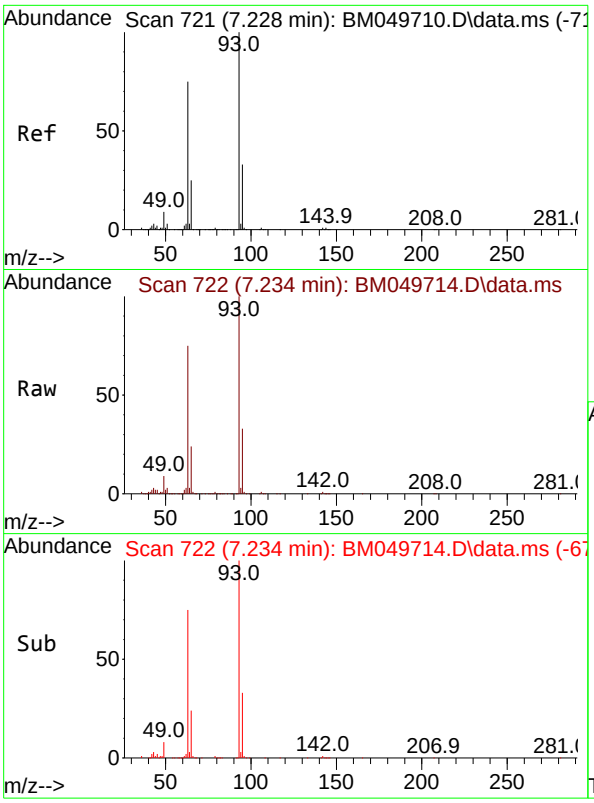


#10
Phenol
Concen: 40.424 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 94 Resp: 1165563

Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.4	50.4
66	36.1	17.1	57.1

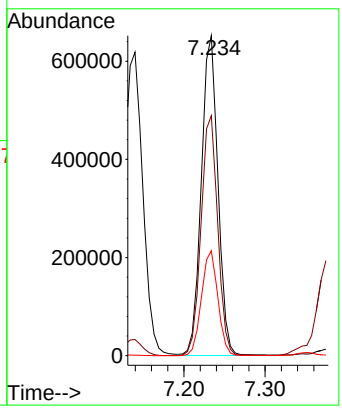




#11
bis(2-Chloroethyl)ether
Concen: 39.691 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 93 Resp: 92674

Ion	Ratio	Lower	Upper
93	100		
63	75.0	54.8	94.8
95	32.8	12.8	52.8



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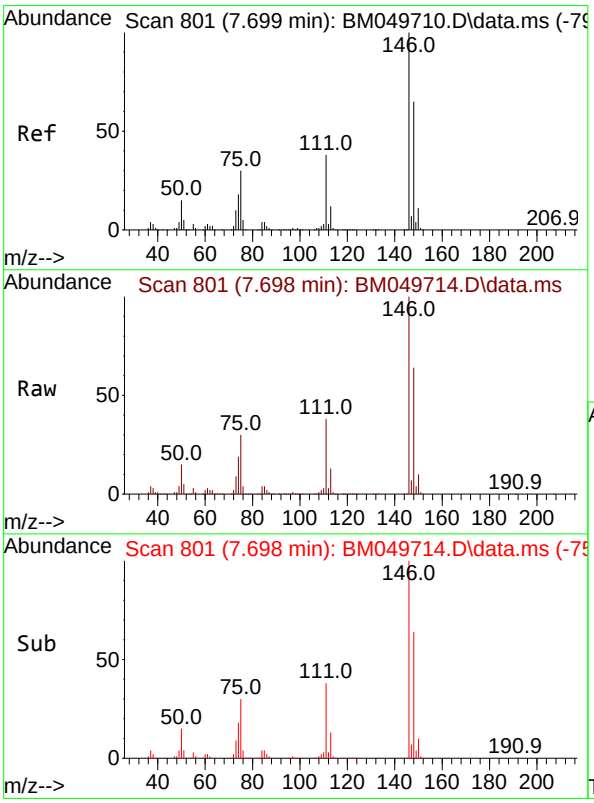
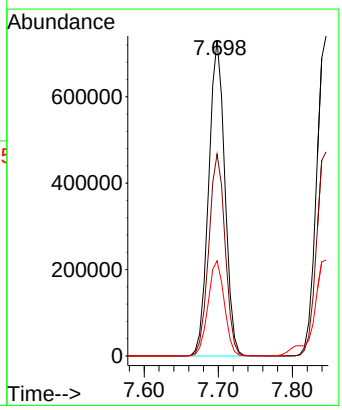
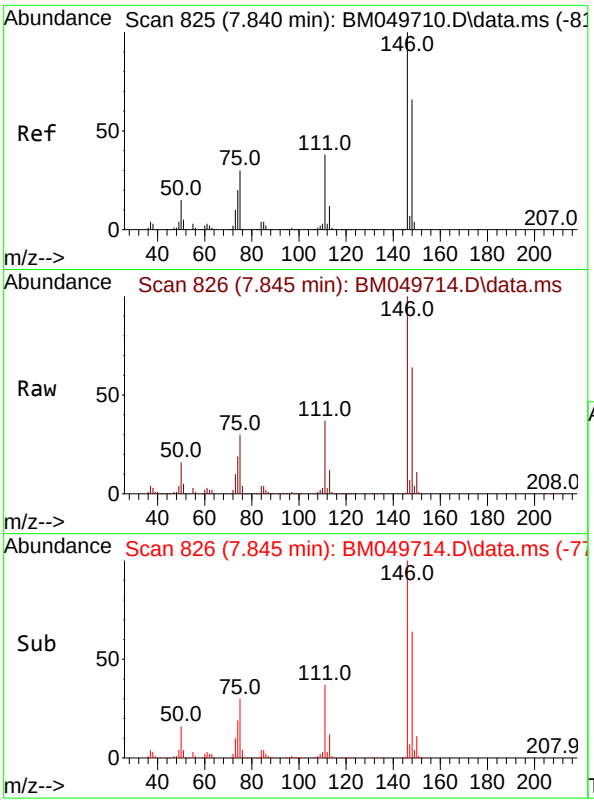


#12
1,3-Dichlorobenzene
Concen: 38.623 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:146 Resp: 1101384

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.3	78.5
75	30.2	24.2	36.2

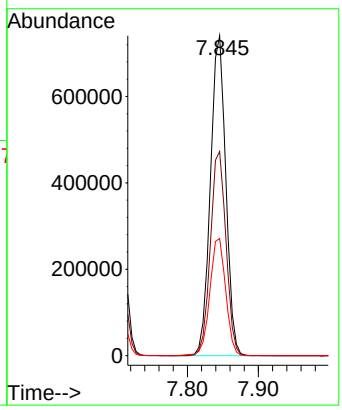




#13
1,4-Dichlorobenzene
Concen: 38.645 ng
RT: 7.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:146 Resp: 111173

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.6	79.0
111	36.7	30.8	46.2



Instrument :
BNA_M
ClientSampleId :
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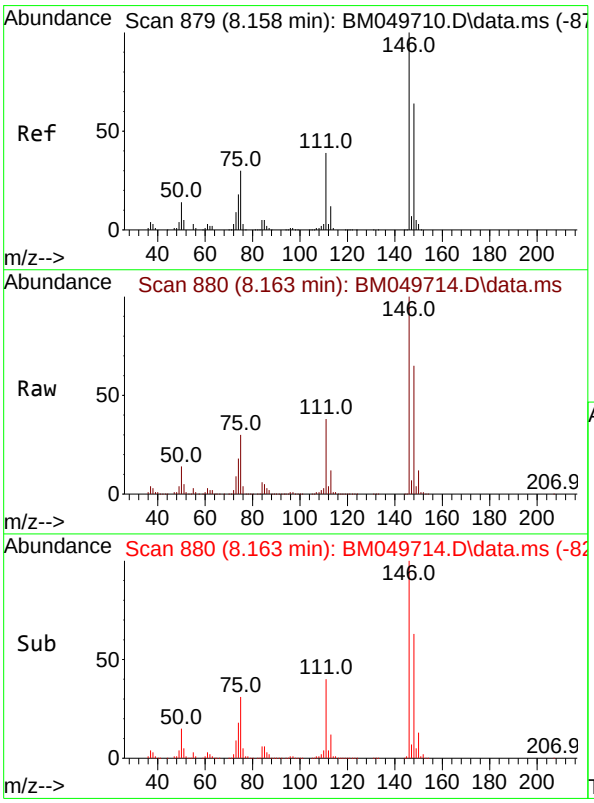
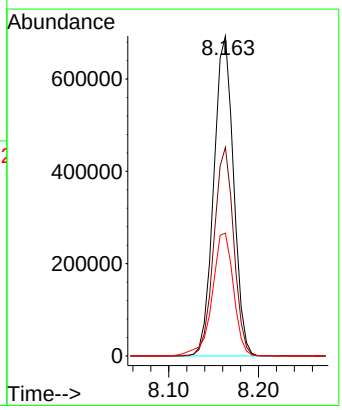
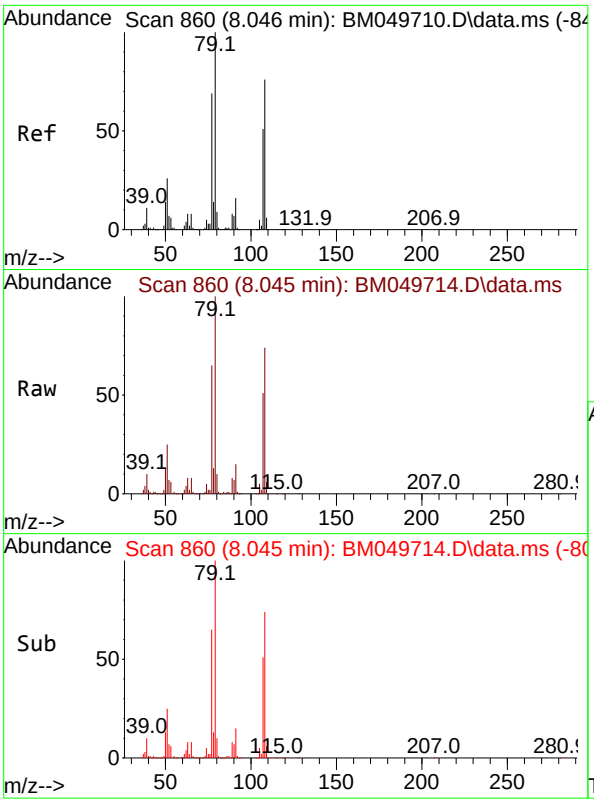


#14
1,2-Dichlorobenzene
Concen: 38.803 ng
RT: 8.163 min Scan# 880
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:146 Resp: 1060889

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.9	76.3
111	38.4	31.0	46.6

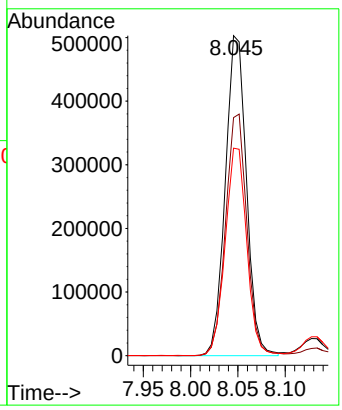




#15
Benzyl Alcohol
Concen: 41.958 ng
RT: 8.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 79 Resp: 78296

Ion	Ratio	Lower	Upper
79	100		
108	74.4	60.7	91.1
77	64.9	55.4	83.2



Instrument :
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ClientSampleId :
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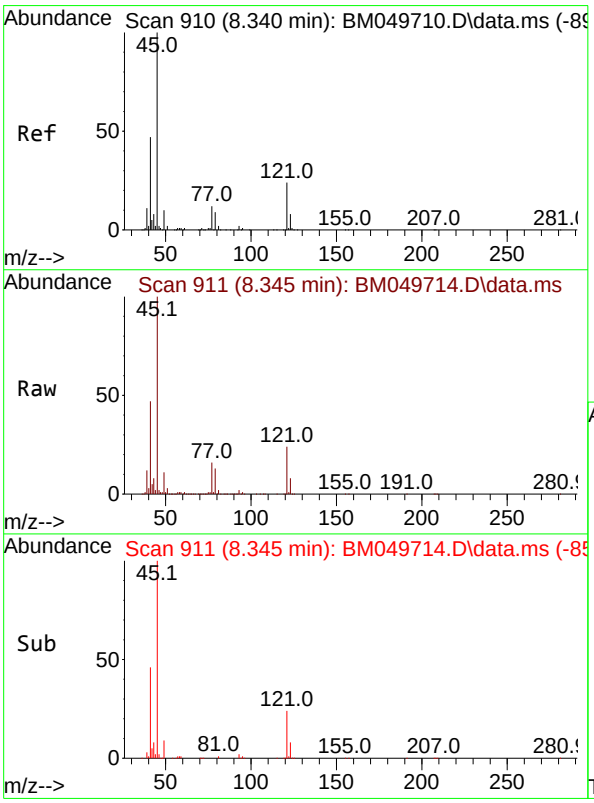
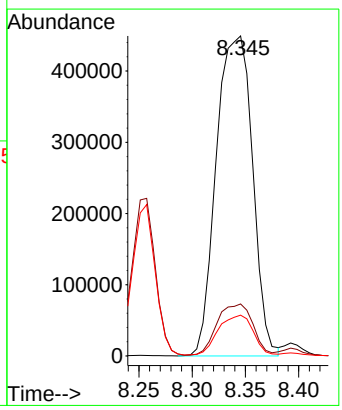
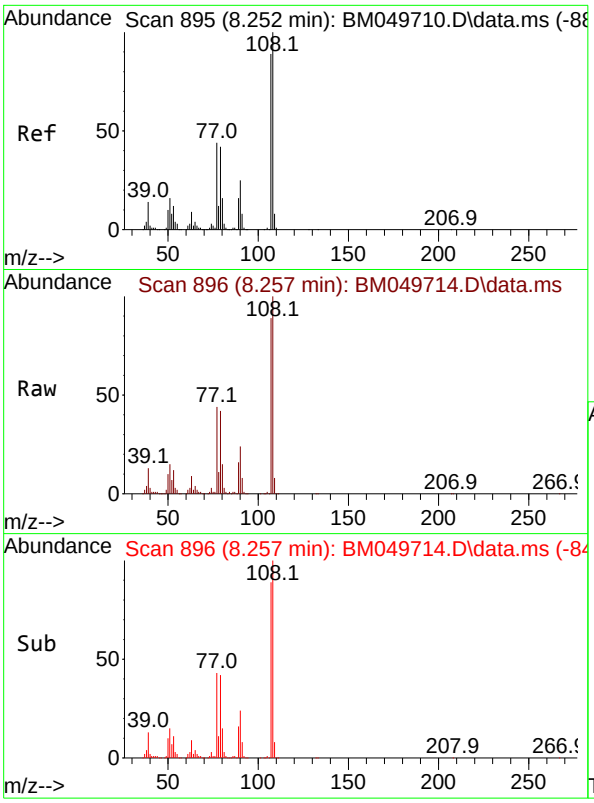


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.736 ng
RT: 8.345 min Scan# 911
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 45 Resp: 1062992

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.1
79	12.8	0.0	32.8

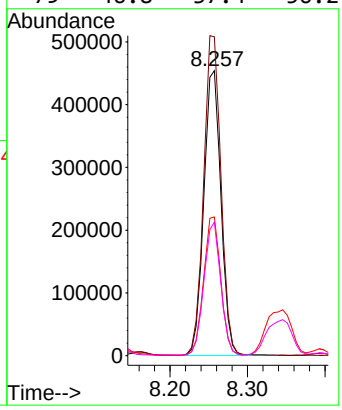




#17
2-Methylphenol
Concen: 40.737 ng
RT: 8.257 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:107 Resp: 69734

Ion	Ratio	Lower	Upper
107	100		
108	111.9	89.6	134.4
77	48.7	39.8	59.6
79	46.8	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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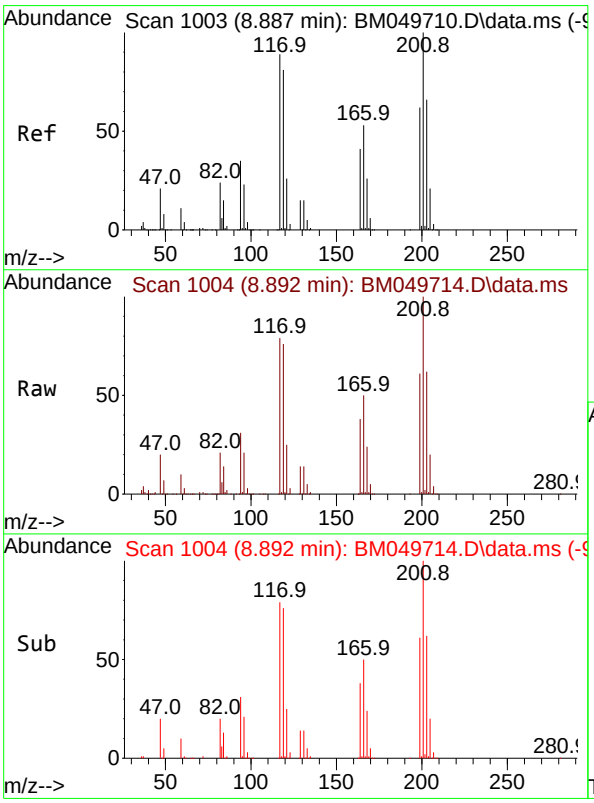
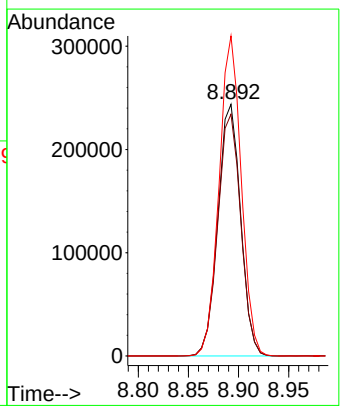
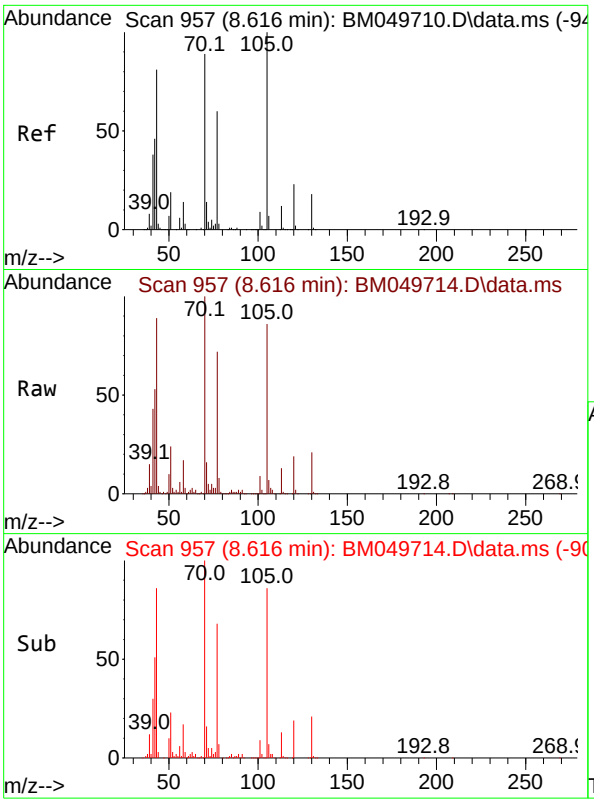


#18
Hexachloroethane
Concen: 37.848 ng
RT: 8.892 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:117 Resp: 384500

Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.1	109.7
201	127.1	90.0	135.0

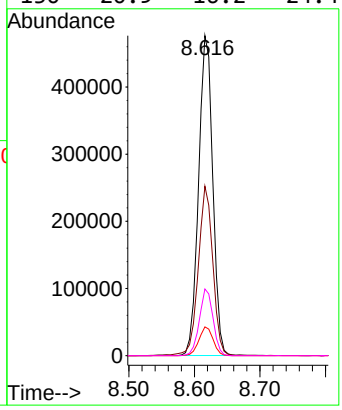




#19
n-Nitroso-di-n-propylamine
Concen: 41.653 ng
RT: 8.616 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 70 Resp: 71821

Ion	Ratio	Lower	Upper
70	100		
42	52.9	41.8	62.6
101	9.0	7.7	11.5
130	20.9	16.2	24.4



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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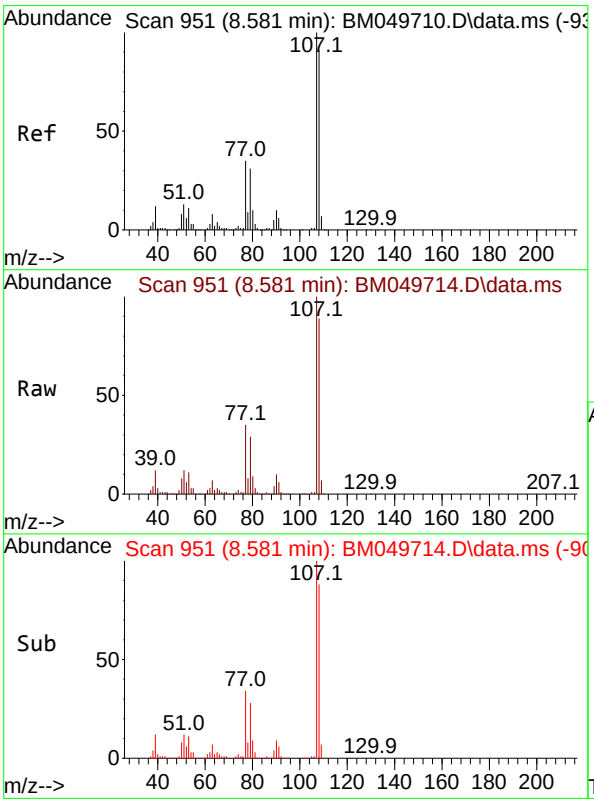
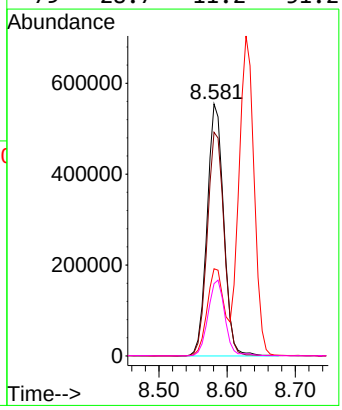
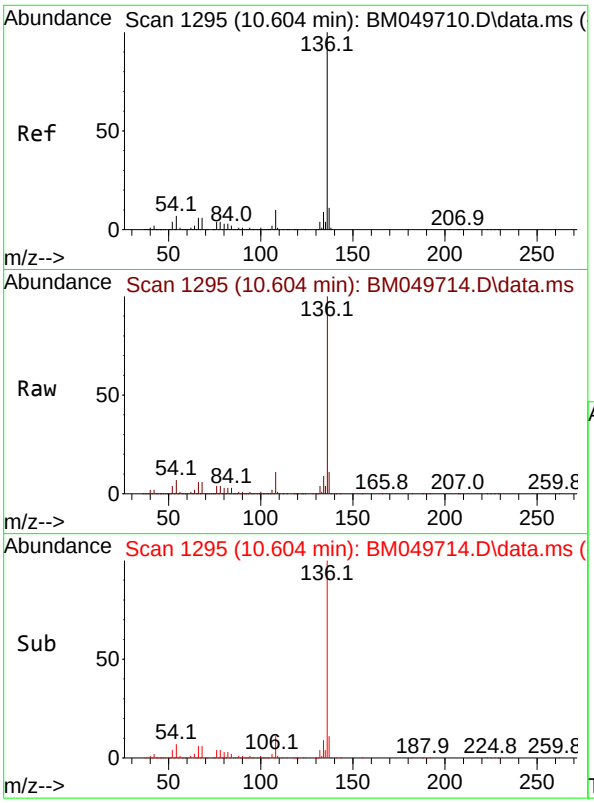


#20
3+4-Methylphenols
Concen: 40.994 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:107 Resp: 940414

Ion	Ratio	Lower	Upper
107	100		
108	88.8	71.0	111.0
77	34.6	15.1	55.1
79	28.7	11.2	51.2

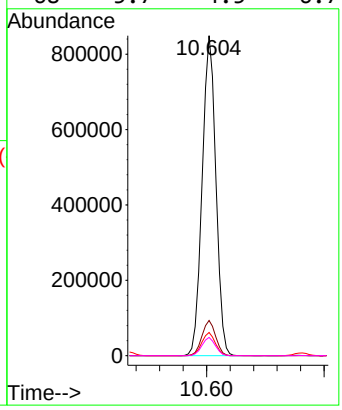




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:136 Resp: 136945

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.2	5.8	8.8
68	5.7	4.5	6.7



Instrument :
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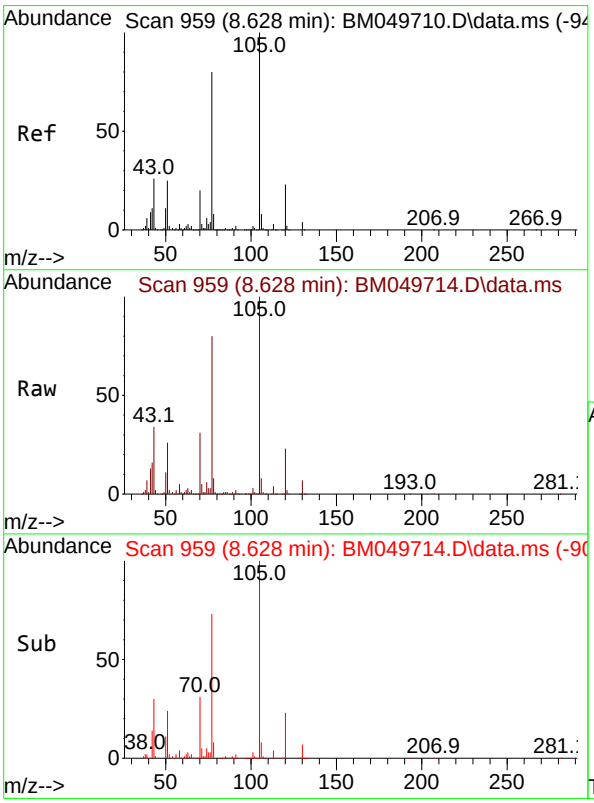
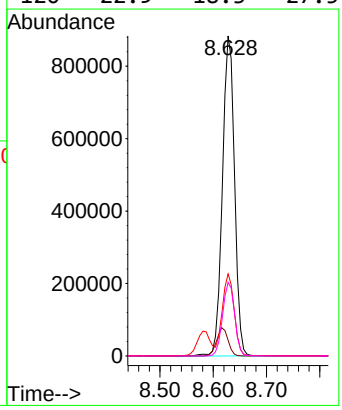
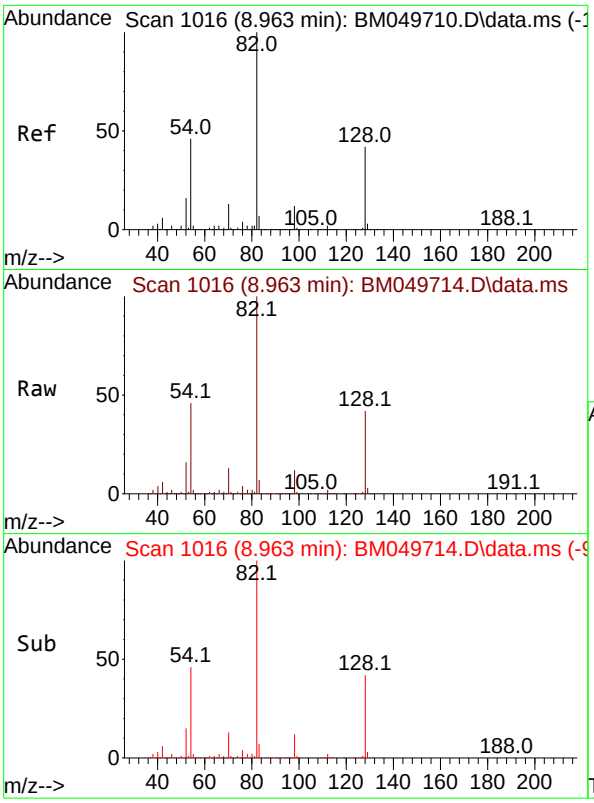


#22
Acetophenone
Concen: 39.465 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:105 Resp: 1393533

Ion	Ratio	Lower	Upper
105	100		
71	4.9	2.5	3.7#
51	25.7	19.9	29.9
120	22.9	18.3	27.5

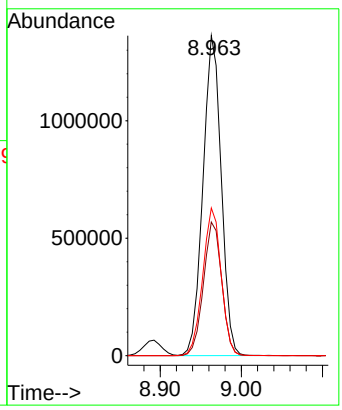




#23
Nitrobenzene-d5
Concen: 79.713 ng
RT: 8.963 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 82 Resp: 212619

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	46.2	36.4	54.6



Instrument :
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ClientSampleId :
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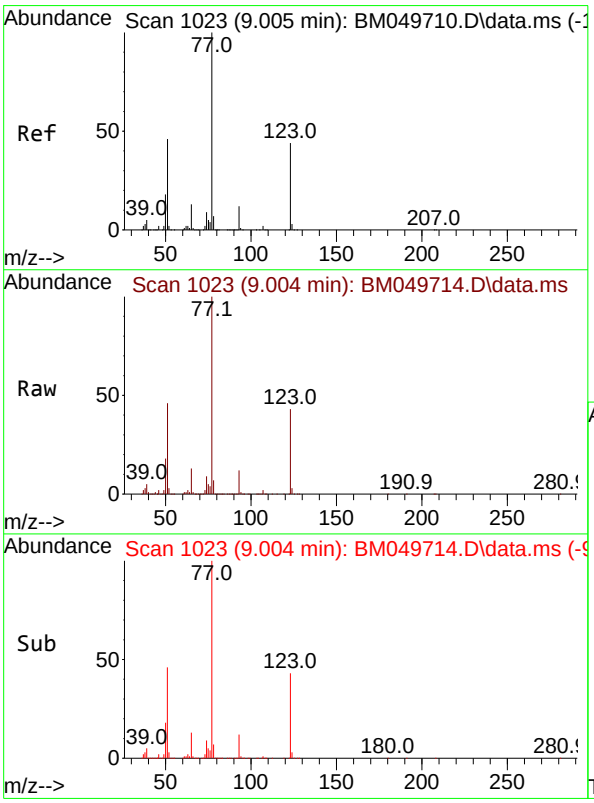
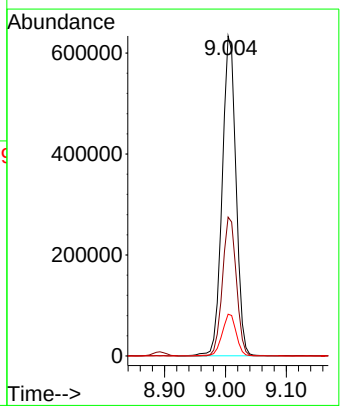
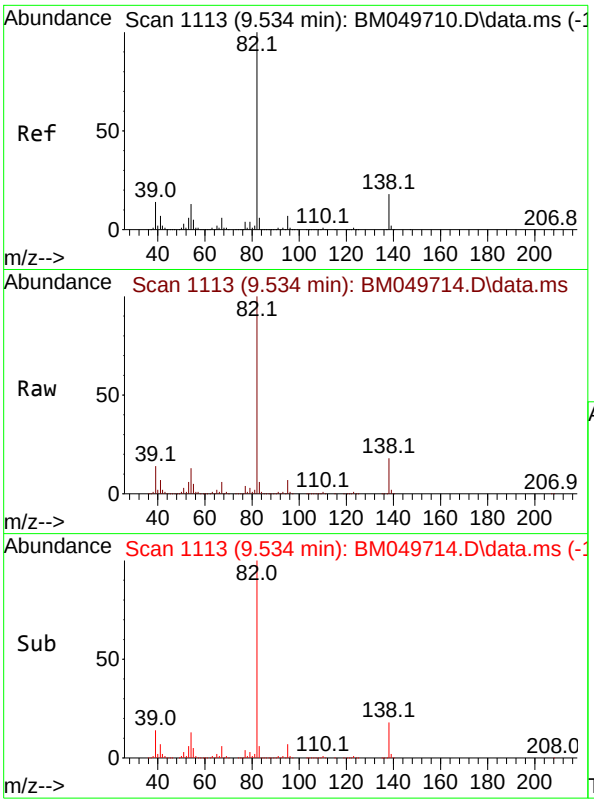


#24
Nitrobenzene
Concen: 39.649 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 77 Resp: 997217

Ion	Ratio	Lower	Upper
77	100		
123	43.4	34.9	52.3
65	13.0	10.6	15.8

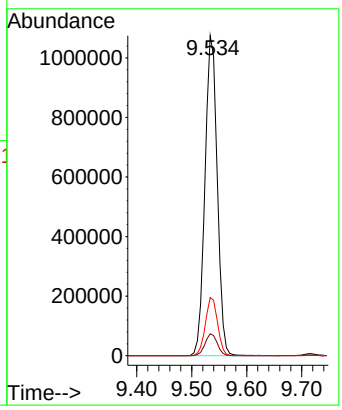




#25
Isophorone
Concen: 40.681 ng
RT: 9.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 82 Resp: 166602

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.2	14.4	21.6



Instrument :
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ClientSampleId :
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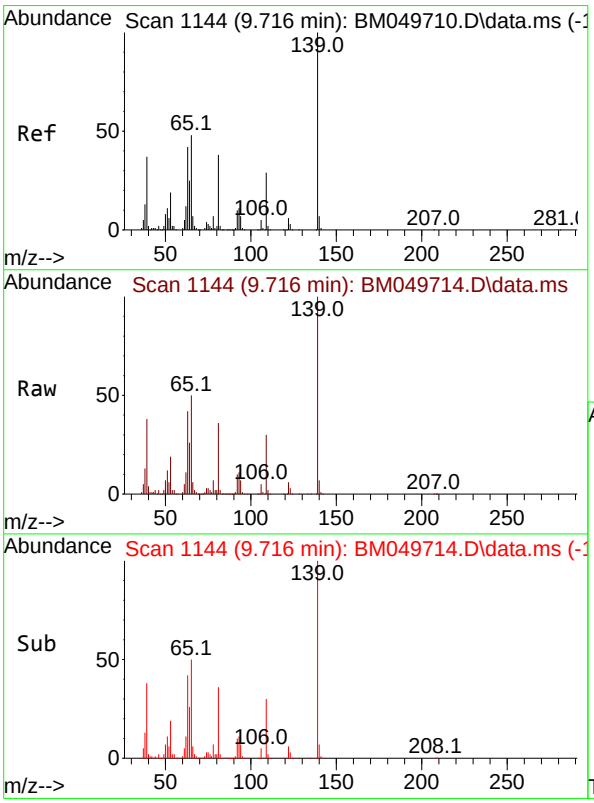
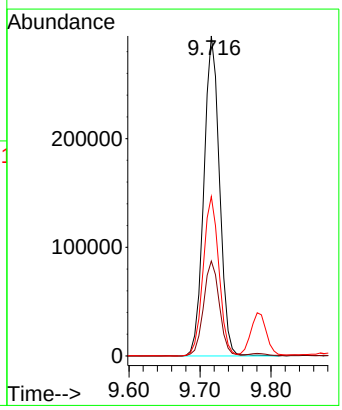
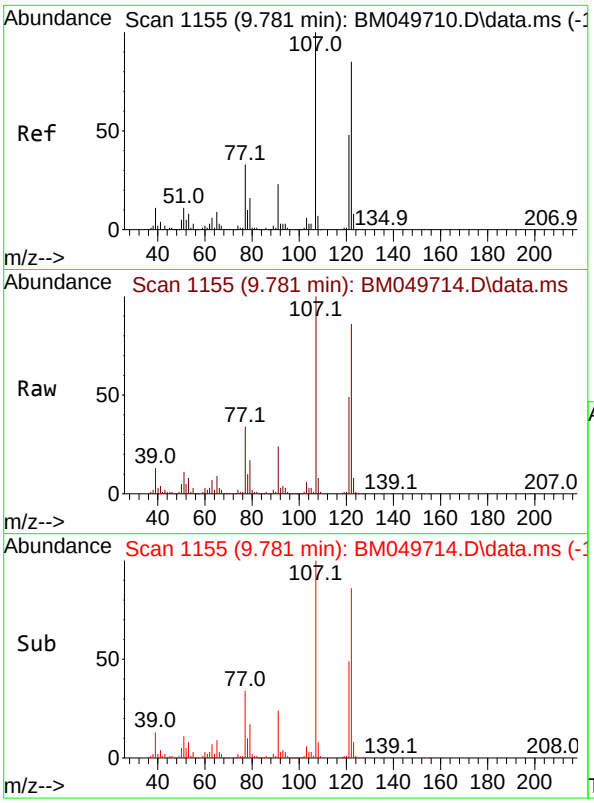


#26
2-Nitrophenol
Concen: 42.188 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:139 Resp: 451612

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.3	34.9
65	49.8	38.6	58.0

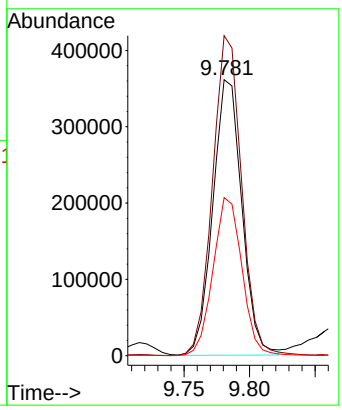




#27
2,4-Dimethylphenol
Concen: 40.805 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:122 Resp: 55600

Ion	Ratio	Lower	Upper
122	100		
107	115.9	94.3	141.5
121	57.3	45.4	68.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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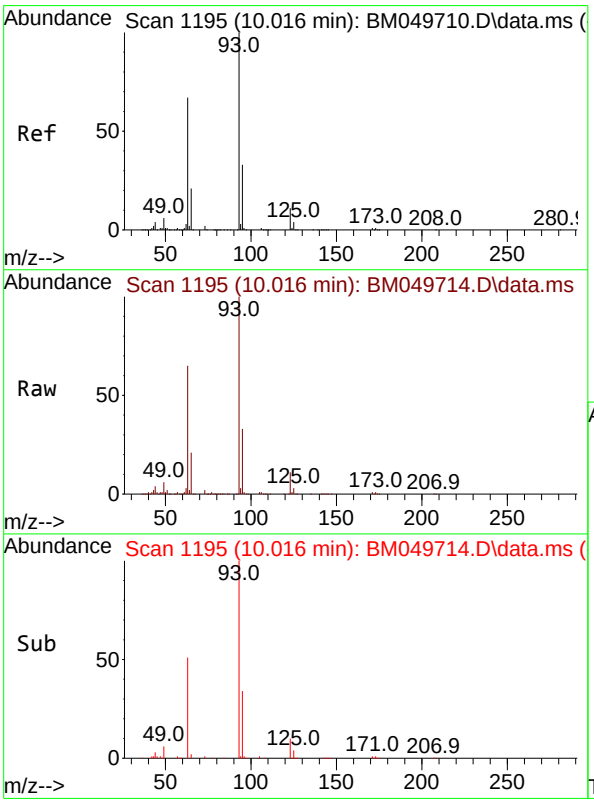
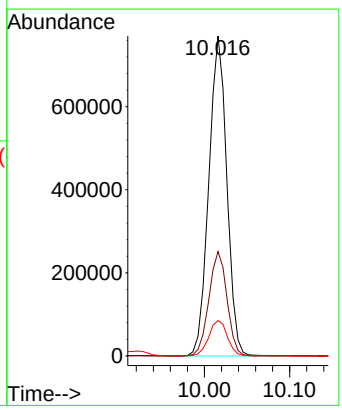
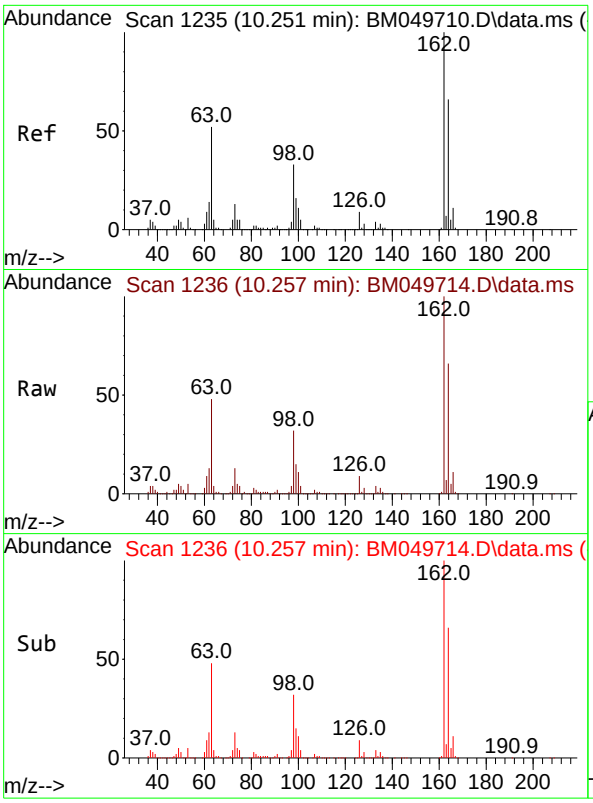


#28
bis(2-Chloroethoxy)methane
Concen: 39.135 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 93 Resp: 1128797

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.1	9.0	13.6

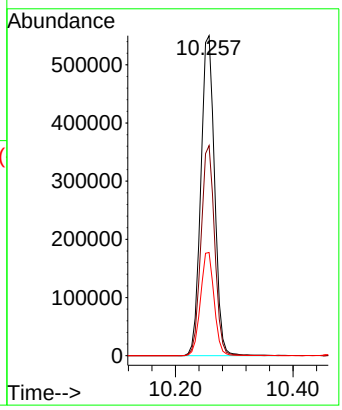




#29
2,4-Dichlorophenol
Concen: 40.313 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:162 Resp: 89507

Ion	Ratio	Lower	Upper
162	100		
164	65.6	46.3	86.3
98	32.2	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
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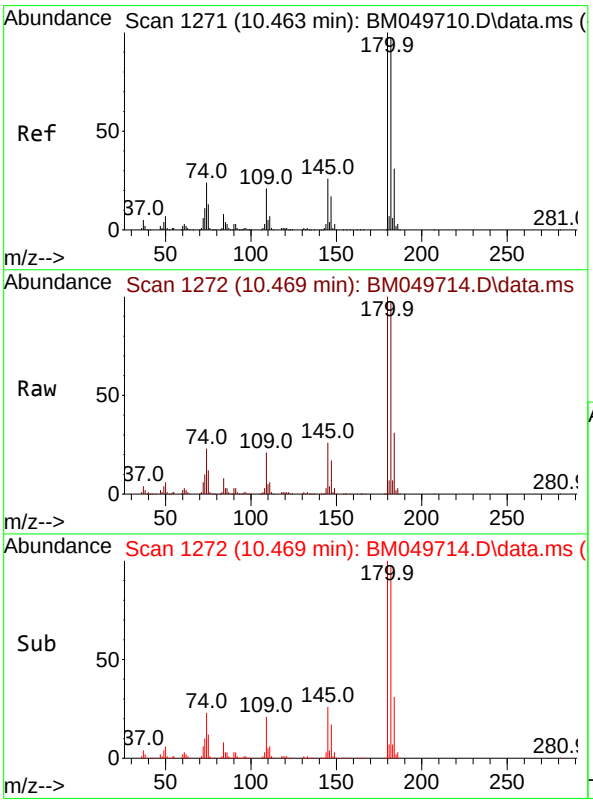
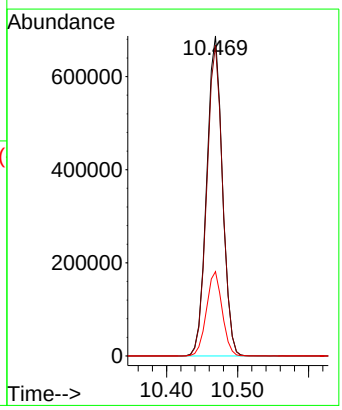
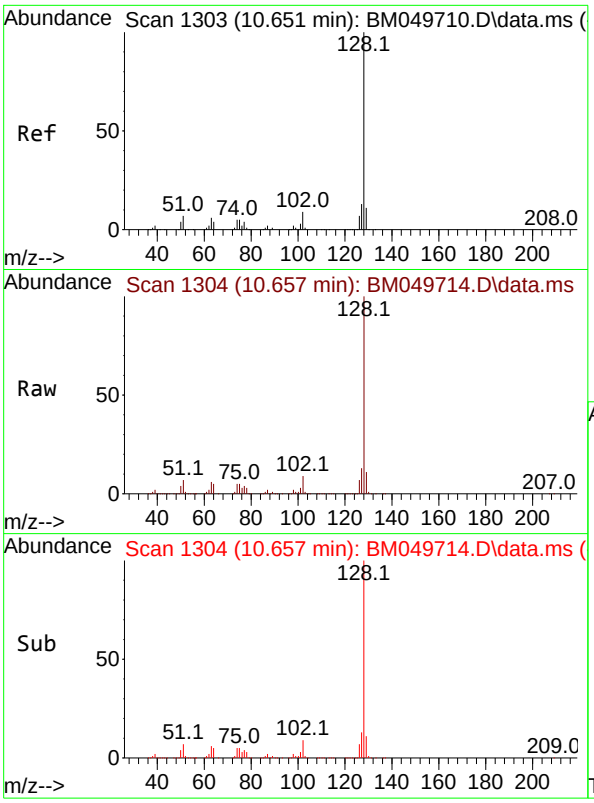


#30
1,2,4-Trichlorobenzene
Concen: 38.096 ng
RT: 10.469 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:180 Resp: 1058273

Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.7	116.5
145	26.3	21.0	31.4

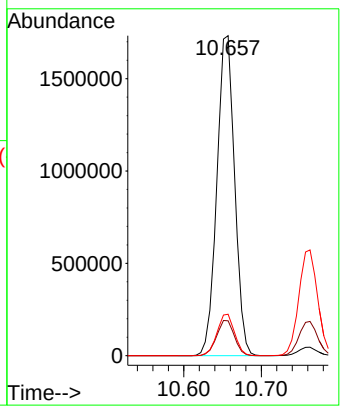




#31
Naphthalene
Concen: 39.284 ng
RT: 10.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:128 Resp: 276632

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
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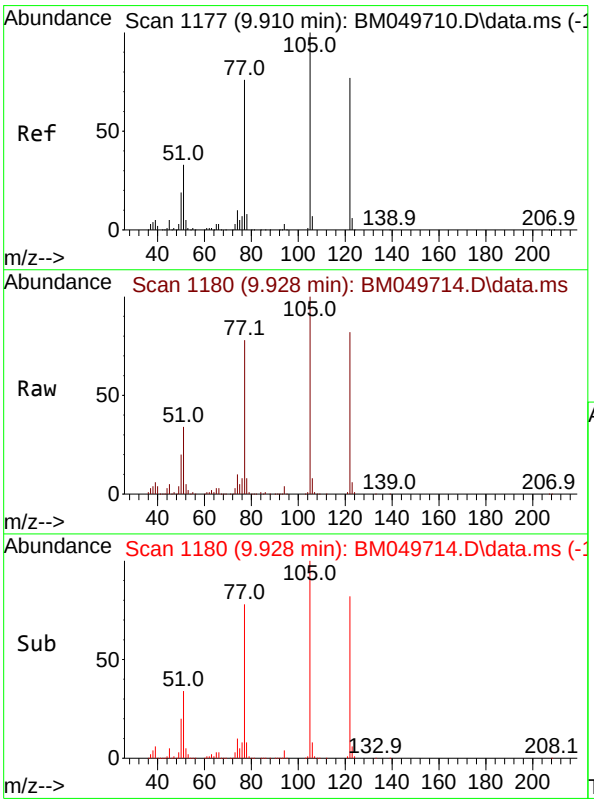
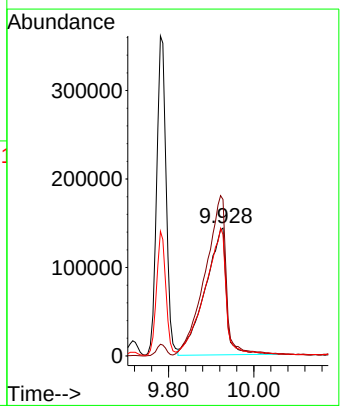
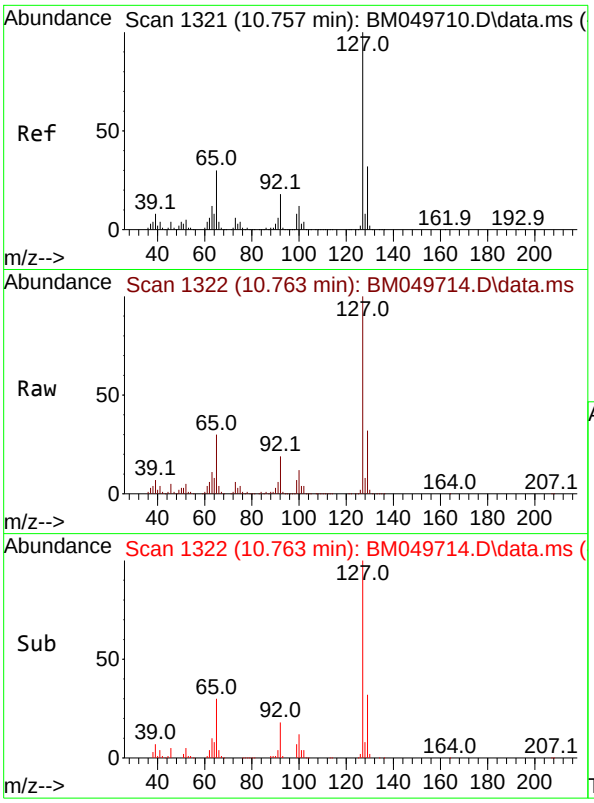


#32
Benzoic acid
Concen: 42.940 ng
RT: 9.928 min Scan# 1180
Delta R.T. 0.018 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:122 Resp: 497601

Ion	Ratio	Lower	Upper
122	100		
105	122.5	105.6	145.6
77	95.0	76.9	116.9

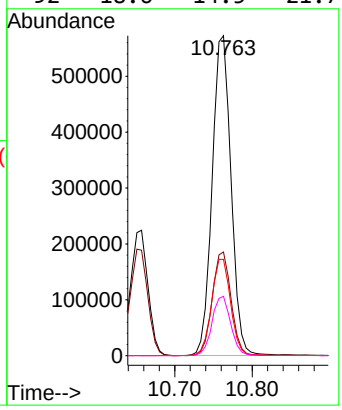




#33
4-Chloroaniline
Concen: 40.318 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:127 Resp: 96893

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	30.1	24.1	36.1
92	18.6	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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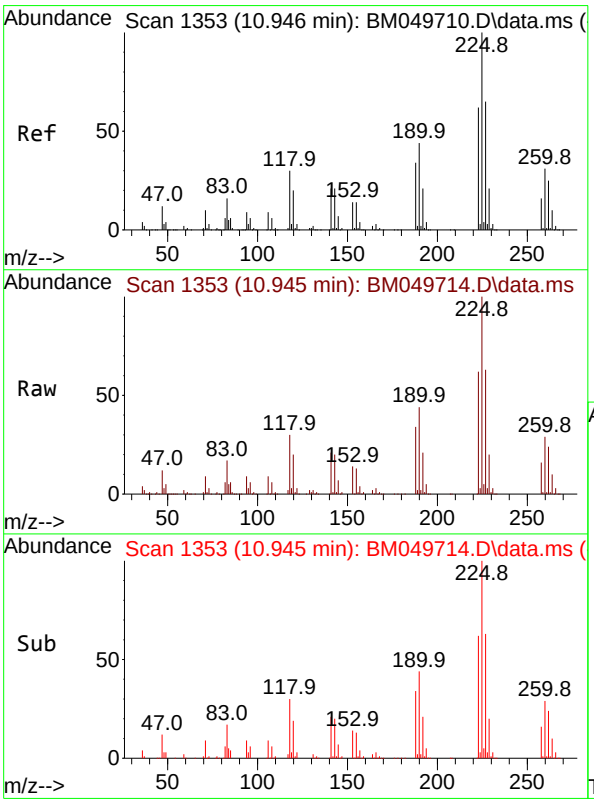
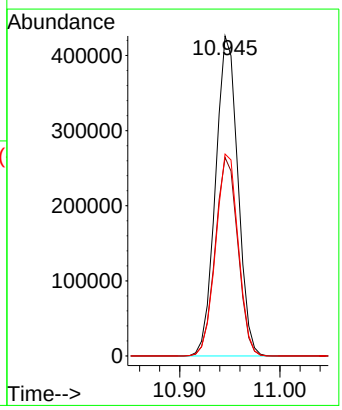
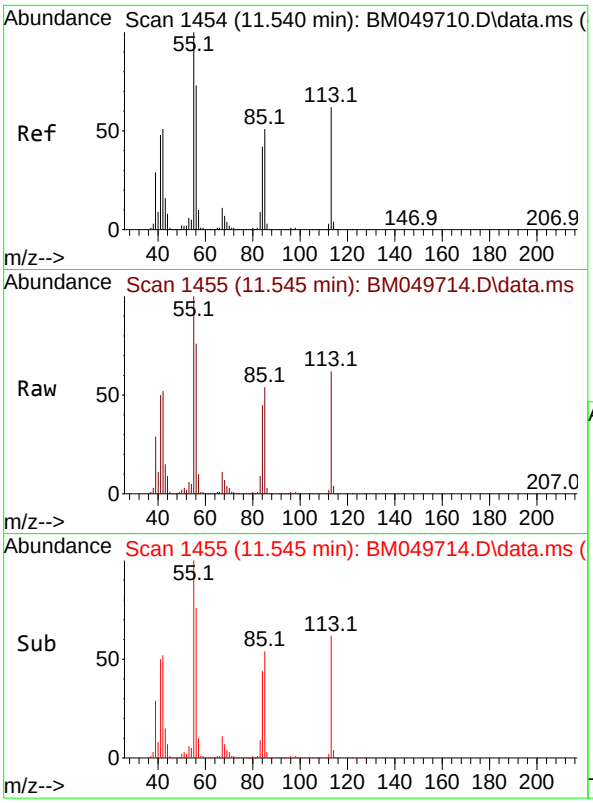


#34
Hexachlorobutadiene
Concen: 38.204 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:225 Resp: 655162

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.8	74.8
227	63.1	52.1	78.1





#35
Caprolactam
Concen: 43.119 ng
RT: 11.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:113 Resp: 22227

Ion	Ratio	Lower	Upper
113	100		
55	162.6	141.8	181.8
56	124.1	98.0	138.0

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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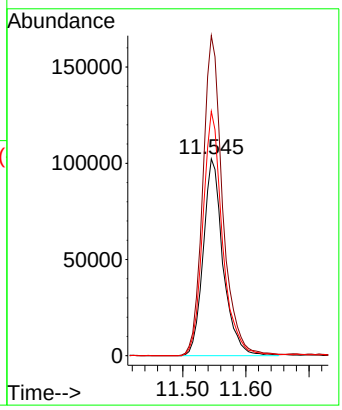
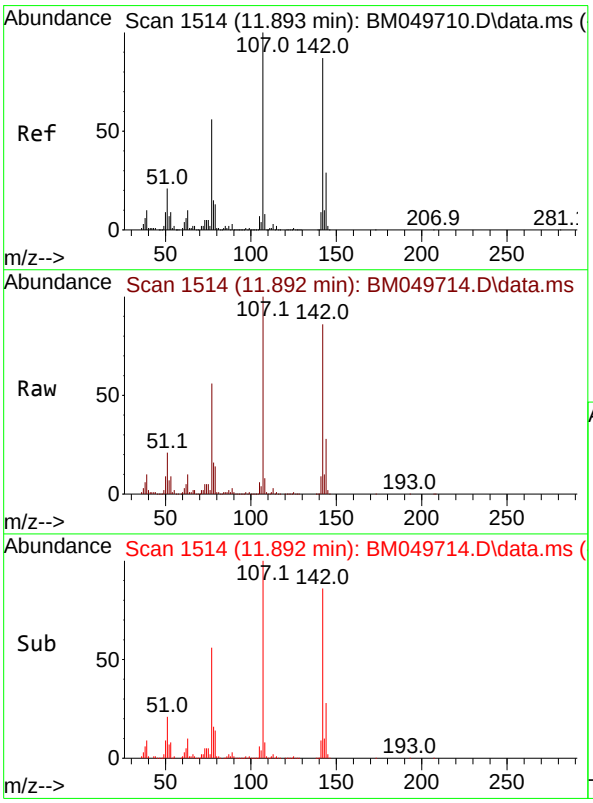
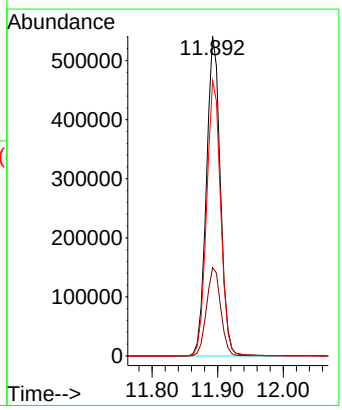


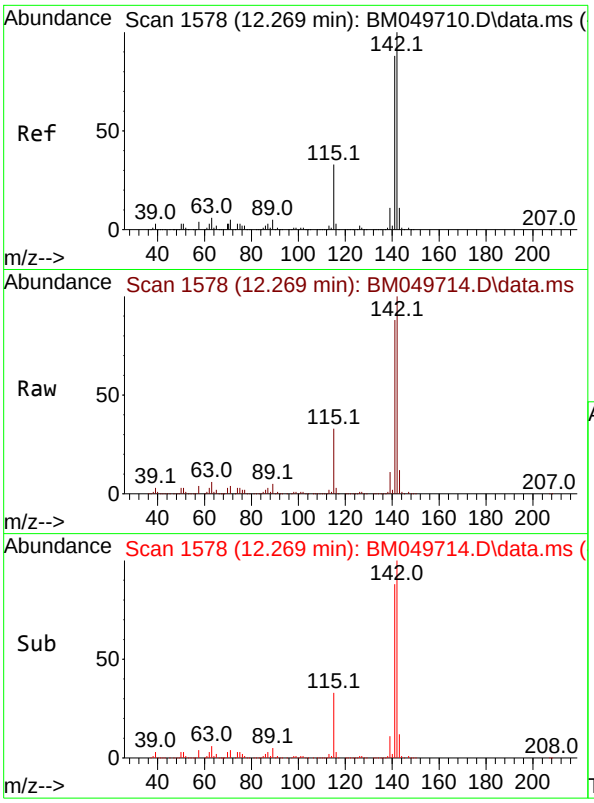


#36
4-Chloro-3-methylphenol
Concen: 42.022 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:107 Resp: 800680

Ion	Ratio	Lower	Upper
107	100		
144	27.6	23.0	34.6
142	86.0	69.8	104.8

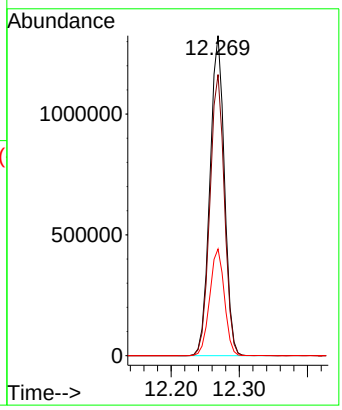




#37
2-Methylnaphthalene
Concen: 39.933 ng
RT: 12.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:142 Resp: 196625

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.5	105.7
115	33.3	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
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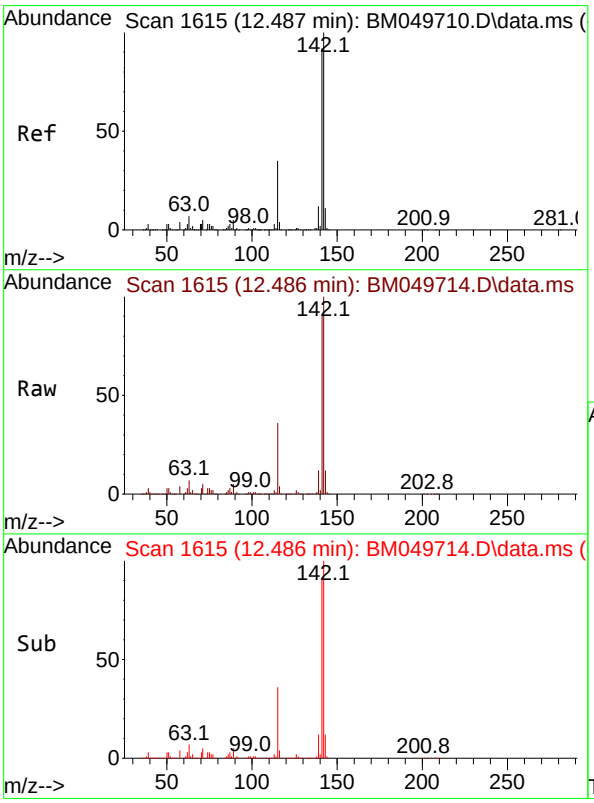
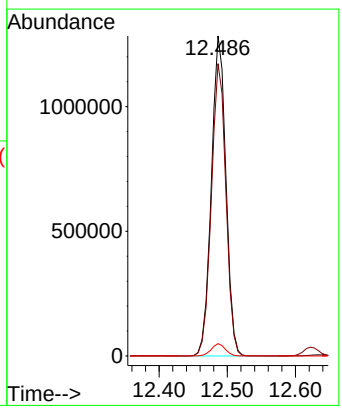
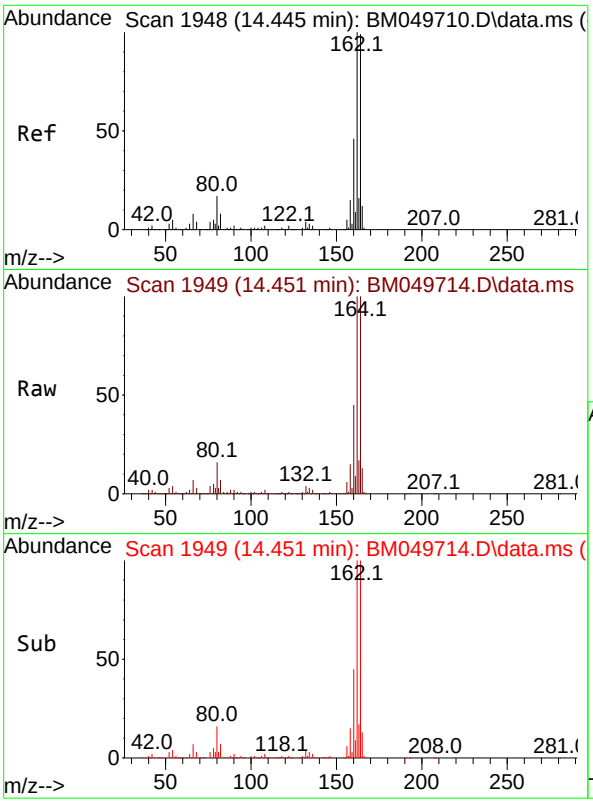


#38
1-Methylnaphthalene
Concen: 40.096 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:142 Resp: 1904818

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.4	110.2
116	3.8	2.8	4.2

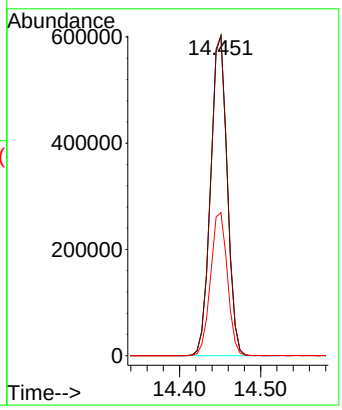




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:164 Resp: 85229

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.5	120.7
160	44.7	36.9	55.3



Instrument :
BNA_M
ClientSampleId :
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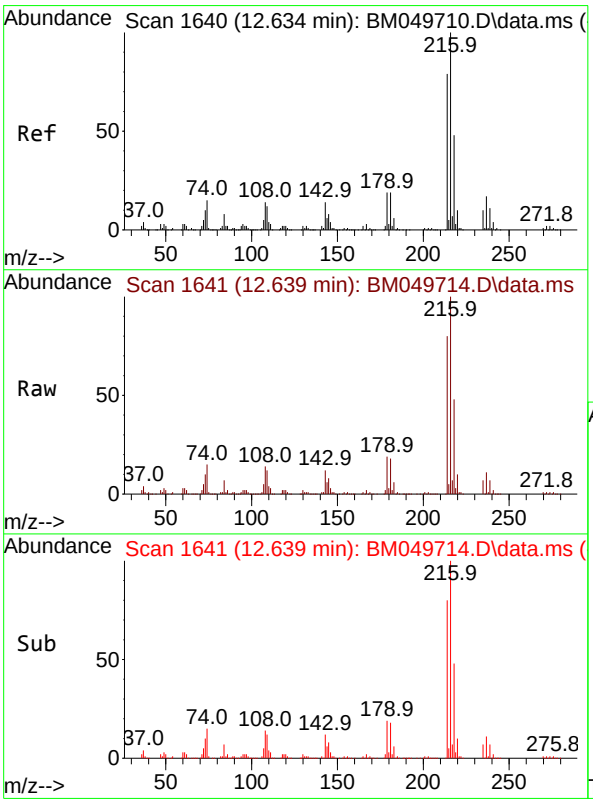
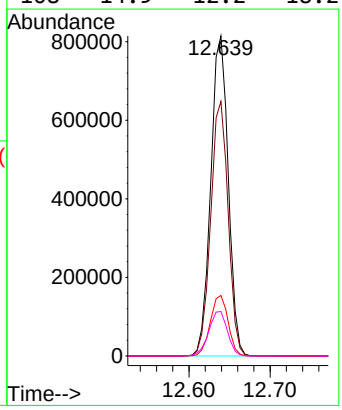
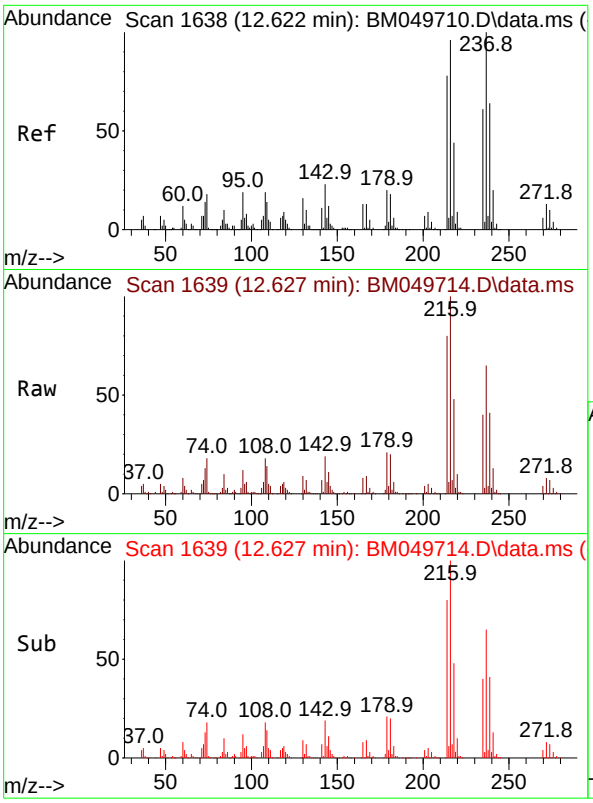


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.890 ng
RT: 12.639 min Scan# 1641
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:216 Resp: 1217494

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.5	95.3
179	19.2	15.7	23.5
108	14.9	12.2	18.2

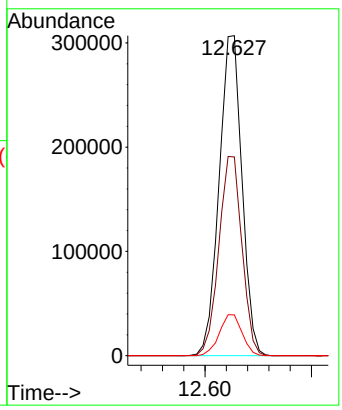




#41
Hexachlorocyclopentadiene
Concen: 39.461 ng
RT: 12.627 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:237 Resp: 45766(

Ion	Ratio	Lower	Upper
237	100		
235	62.1	41.1	81.1
272	12.8	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
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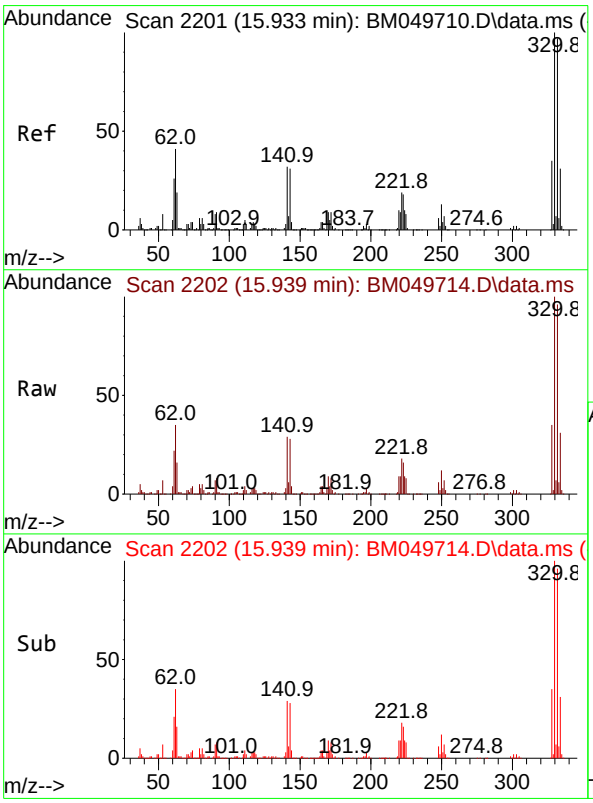
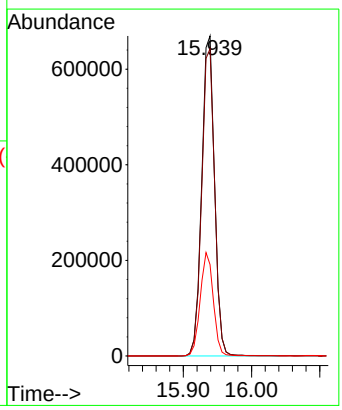
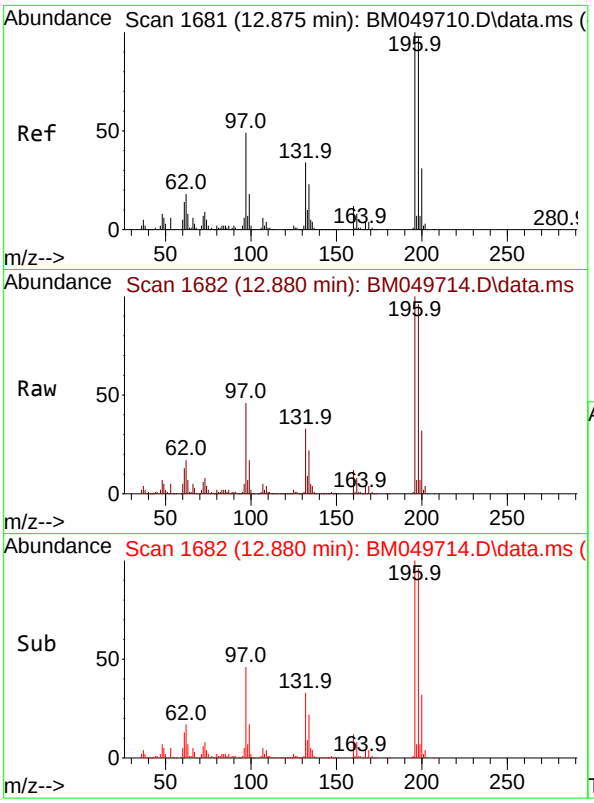


#42
2,4,6-Tribromophenol
Concen: 87.947 ng
RT: 15.939 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:330 Resp: 875272

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.4
141	33.0	27.8	41.6





#43
2,4,6-Trichlorophenol
Concen: 41.087 ng
RT: 12.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:196 Resp: 72041

Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.3	117.5
200	31.5	25.1	37.7

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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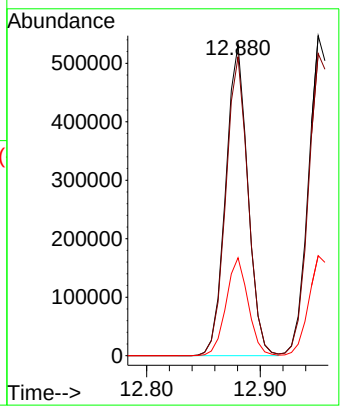
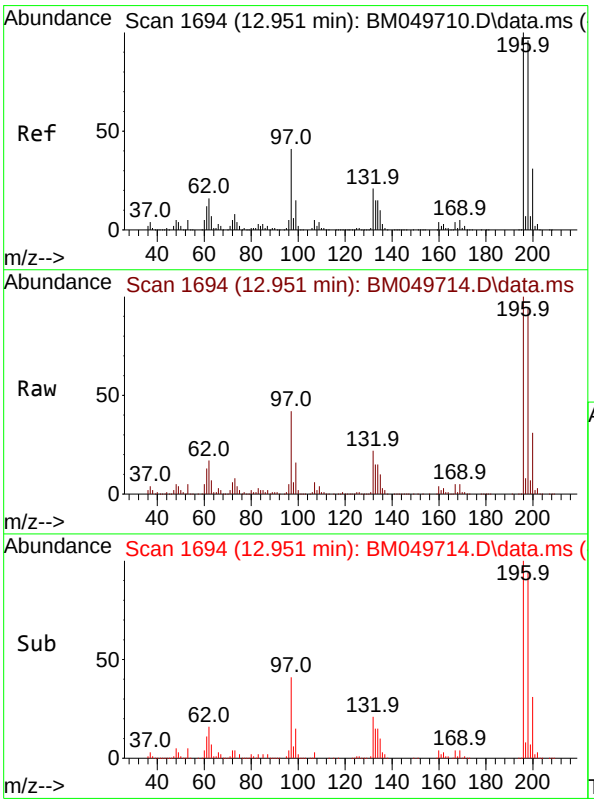
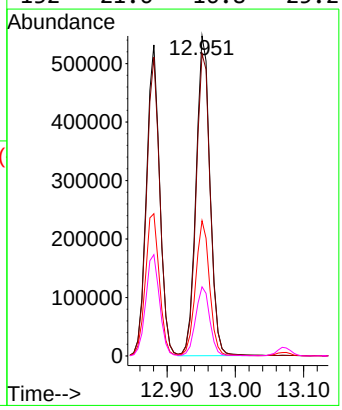


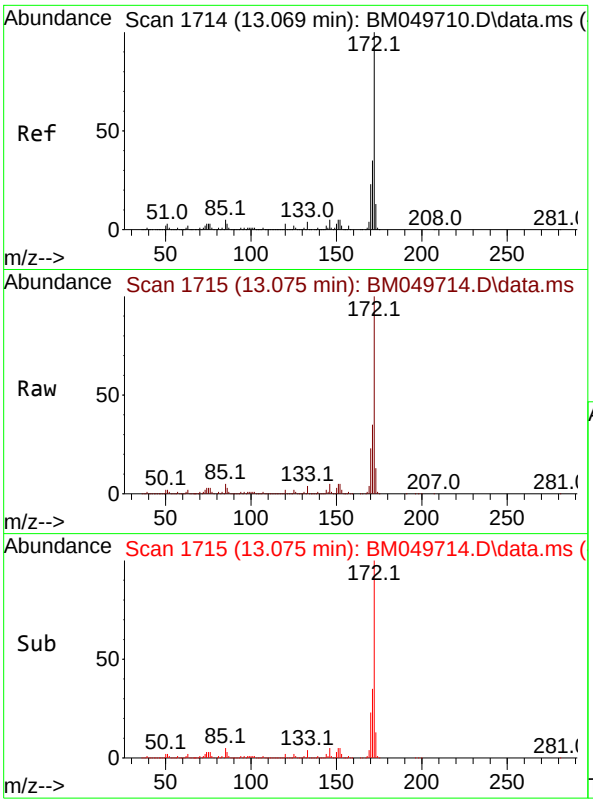


#44
2,4,5-Trichlorophenol
Concen: 40.857 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:196 Resp: 781740

Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.7	115.1
97	42.3	32.9	49.3
132	21.6	16.8	25.2

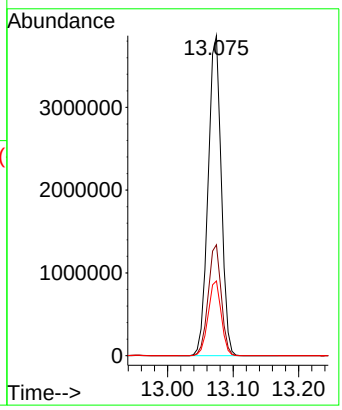




#45
2-Fluorobiphenyl
Concen: 78.993 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:172 Resp: 537582

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.3	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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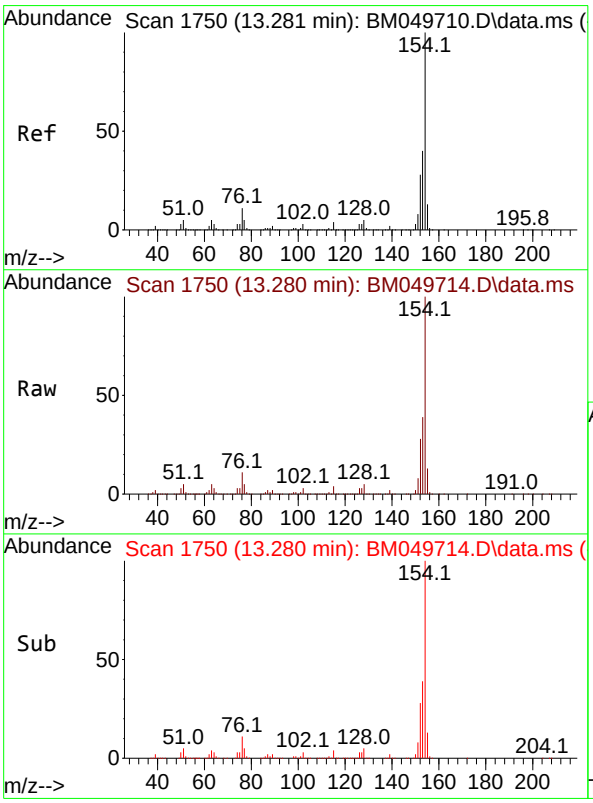
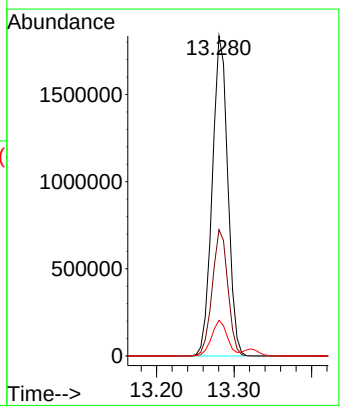
Supervised By :Jagrut Upadhyay 03/14/2025

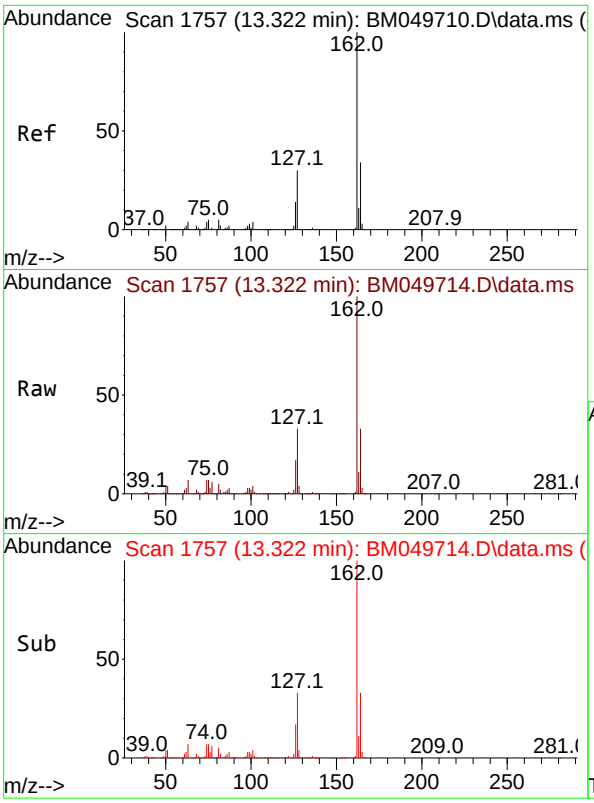


#46
1,1'-Biphenyl
Concen: 38.855 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:154 Resp: 2552259

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.7	59.7
76	11.1	0.0	31.2

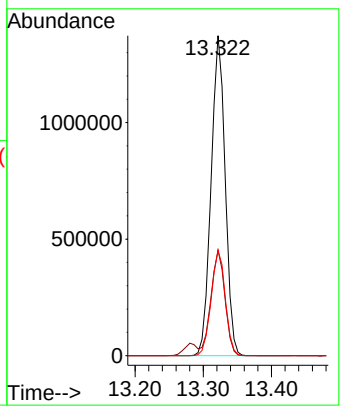




#47
2-Chloronaphthalene
Concen: 38.600 ng
RT: 13.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:162 Resp: 197355

Ion	Ratio	Lower	Upper
162	100		
127	32.9	25.8	38.6
164	33.0	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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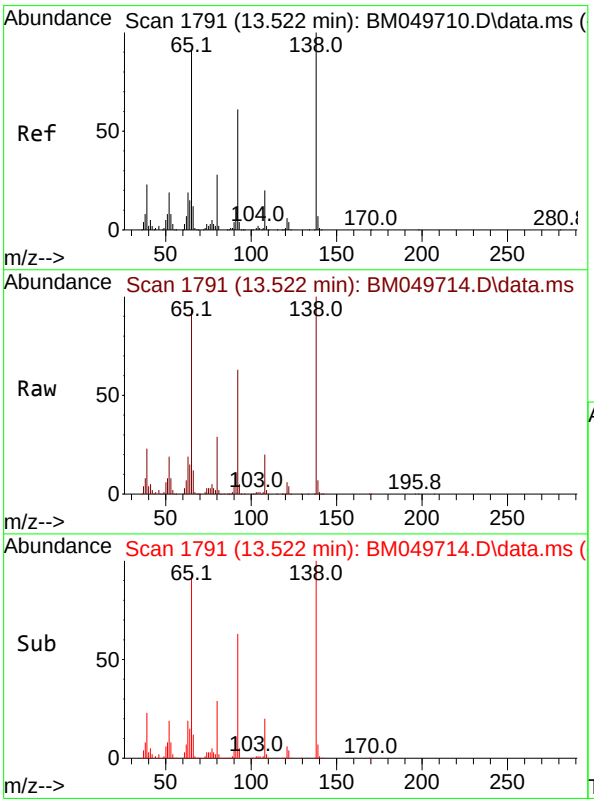
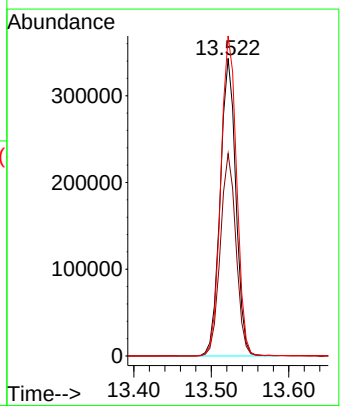
Supervised By :Jagrut Upadhyay 03/14/2025

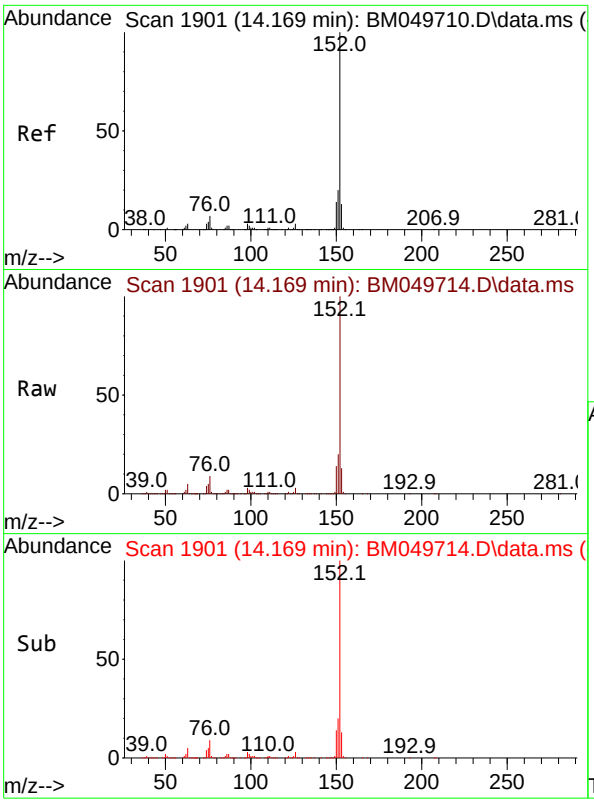


#48
2-Nitroaniline
Concen: 42.046 ng
RT: 13.522 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 65 Resp: 482592

Ion	Ratio	Lower	Upper
65	100		
92	68.0	53.4	80.2
138	107.5	87.6	131.4

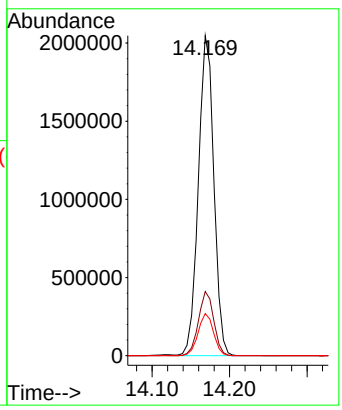




#49
Acenaphthylene
Concen: 39.705 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:152 Resp: 283757

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.2	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
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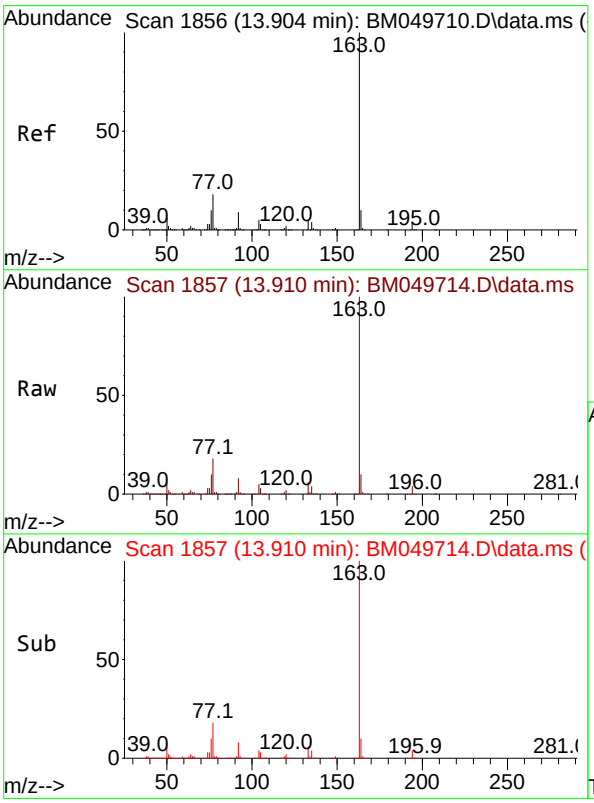
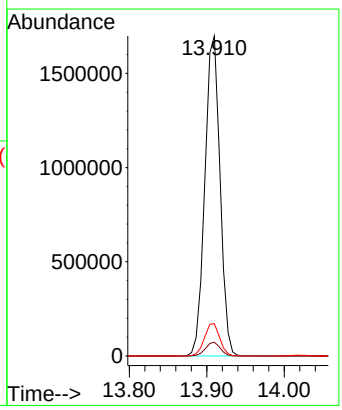
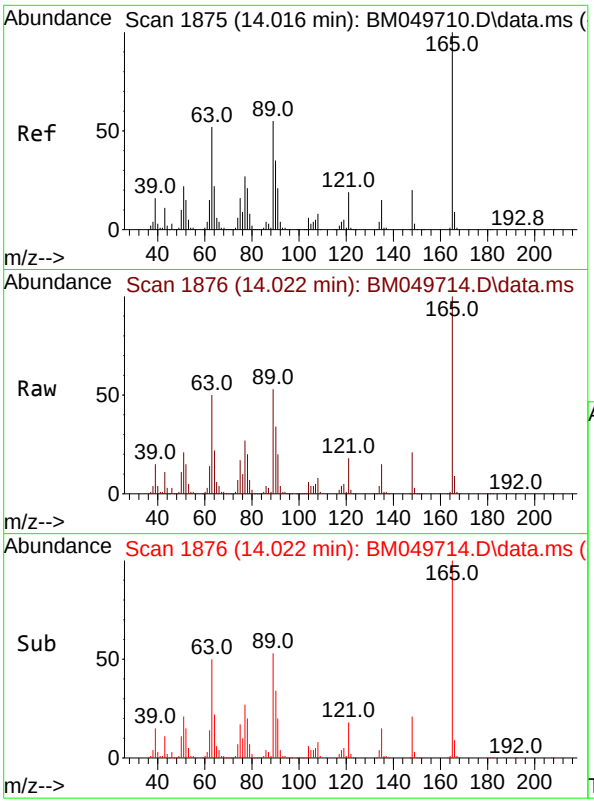


#50
Dimethylphthalate
Concen: 39.312 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:163 Resp: 2306806

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.1	8.2	12.2

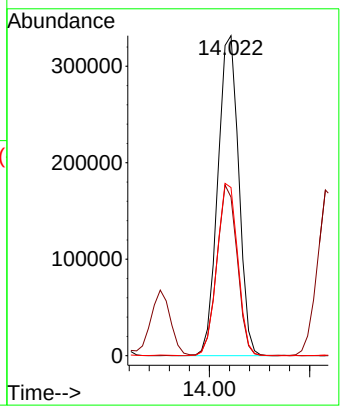




#51
2,6-Dinitrotoluene
Concen: 40.774 ng
RT: 14.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:165 Resp: 47940

Ion	Ratio	Lower	Upper
165	100		
63	49.6	42.3	63.5
89	52.6	43.9	65.9



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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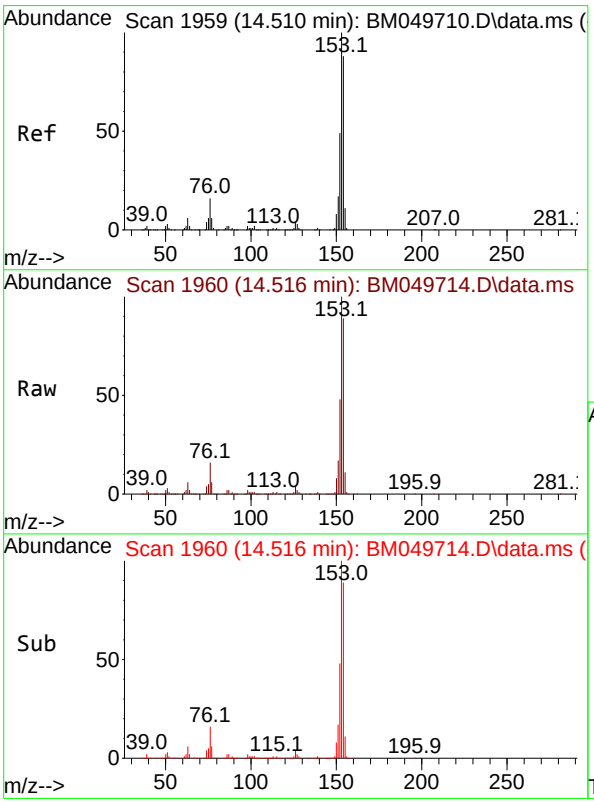
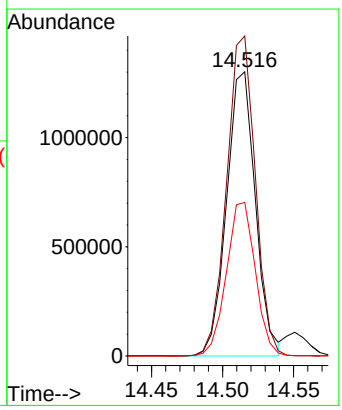
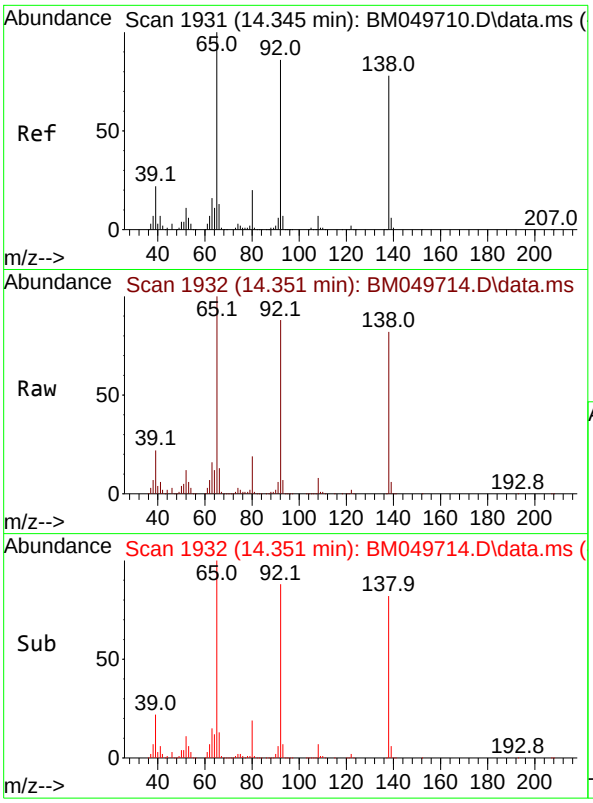


#52
Acenaphthene
Concen: 39.236 ng
RT: 14.516 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:154 Resp: 1839291

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.4	135.6
152	54.1	44.2	66.2

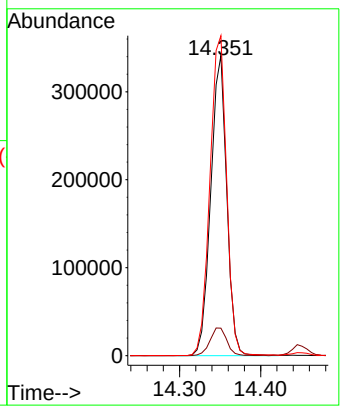




#53
3-Nitroaniline
Concen: 41.671 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:138 Resp: 46624

Ion	Ratio	Lower	Upper
138	100		
108	9.2	7.5	11.3
92	106.6	88.0	132.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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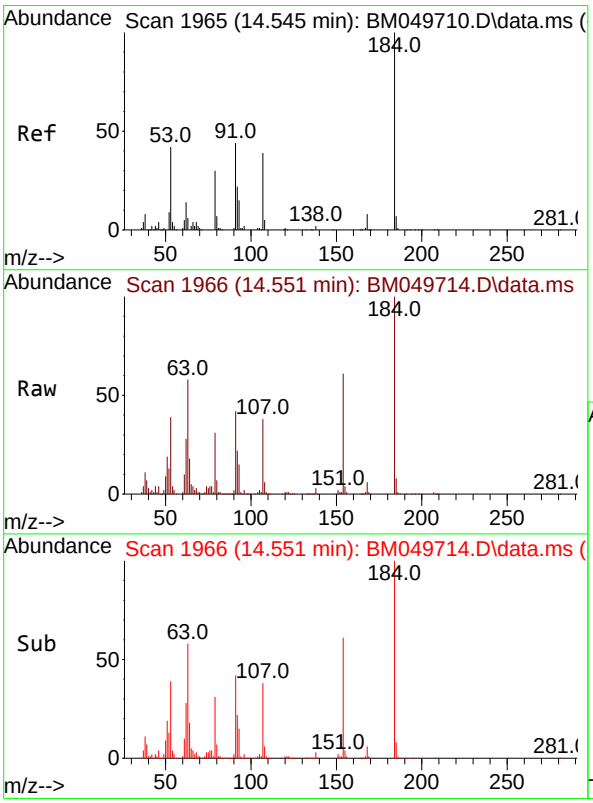
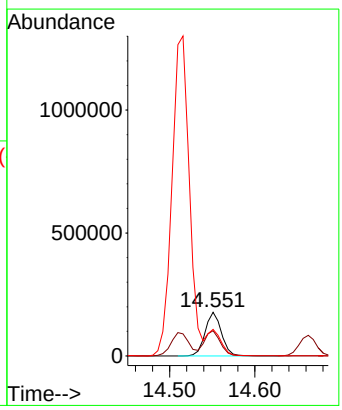
Supervised By :Jagrut Upadhyay 03/14/2025

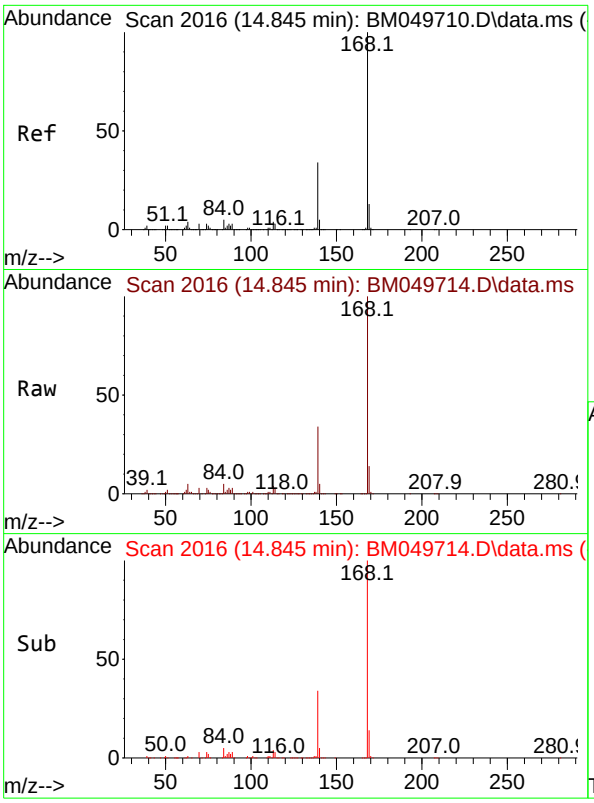


#54
2,4-Dinitrophenol
Concen: 40.645 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:184 Resp: 235915

Ion	Ratio	Lower	Upper
184	100		
63	58.0	47.2	70.8
154	60.9	49.9	74.9

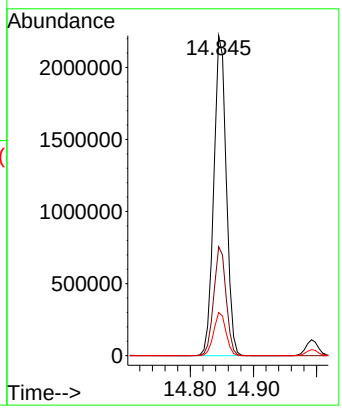




#55
Dibenzofuran
Concen: 38.878 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:168 Resp: 303690

Ion	Ratio	Lower	Upper
168	100		
139	34.1	27.4	41.0
169	13.5	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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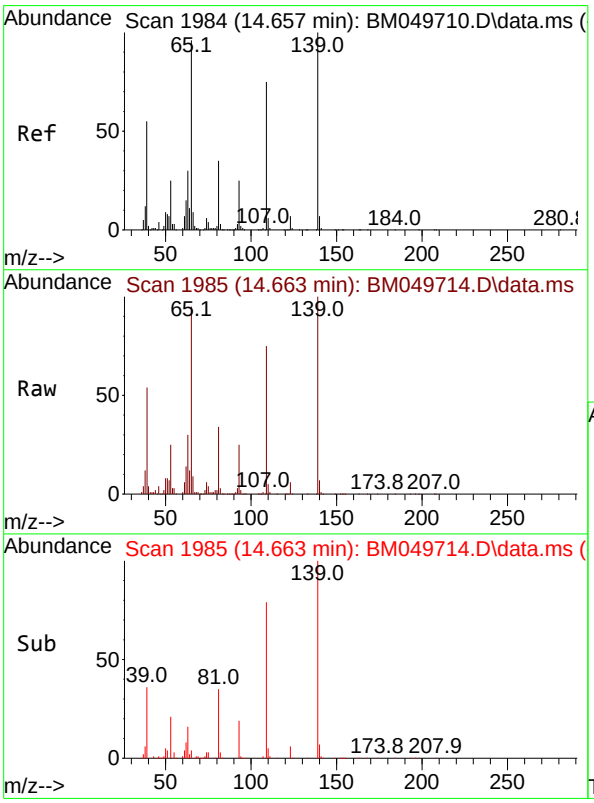
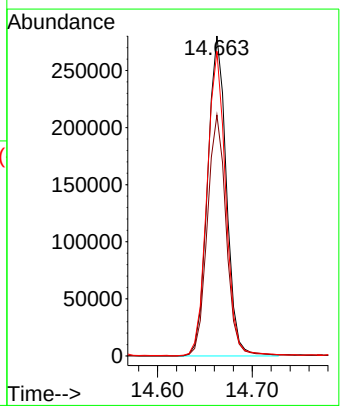
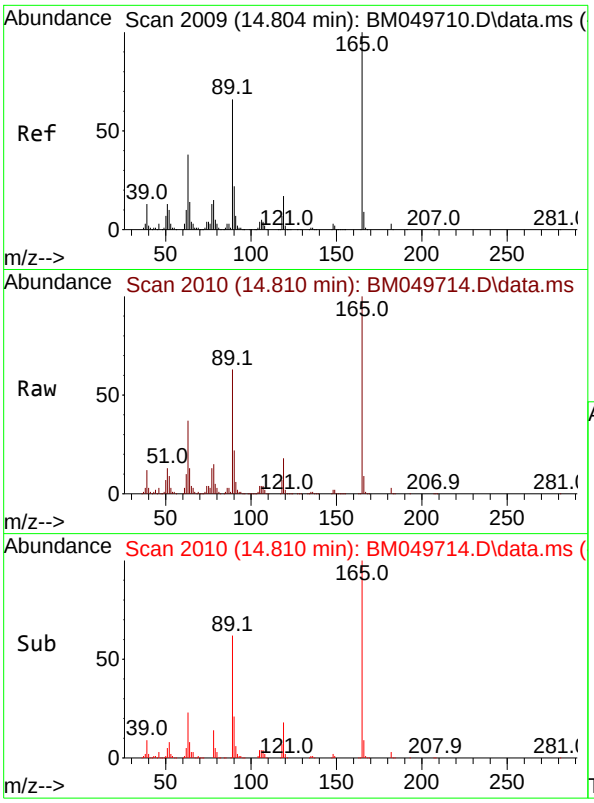


#56
4-Nitrophenol
Concen: 39.814 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:139 Resp: 387757

Ion	Ratio	Lower	Upper
139	100		
109	75.3	54.7	94.7
65	95.2	76.2	116.2

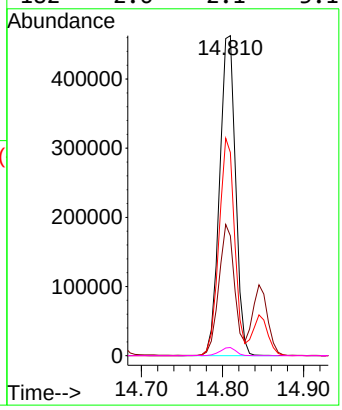




#57
2,4-Dinitrotoluene
Concen: 41.860 ng
RT: 14.810 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:165 Resp: 63332

Ion	Ratio	Lower	Upper
165	100		
63	37.5	30.8	46.2
89	63.5	53.1	79.7
182	2.6	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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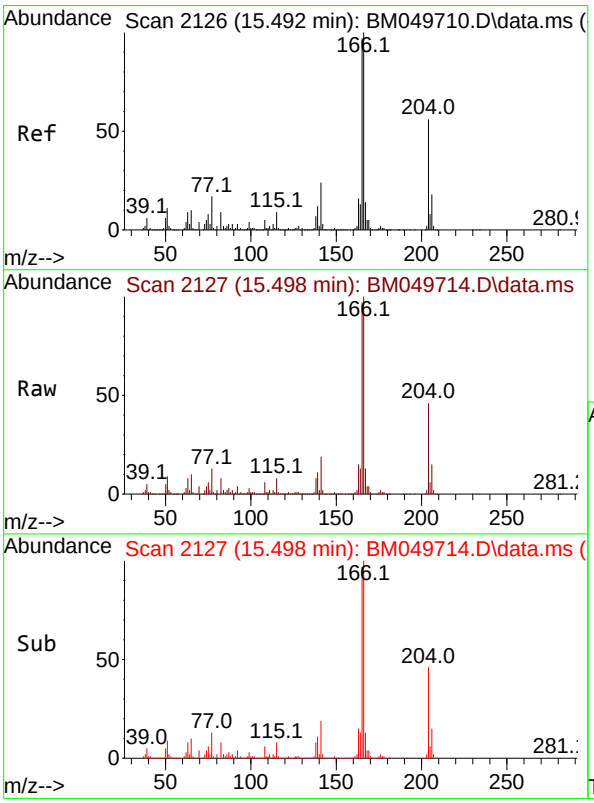
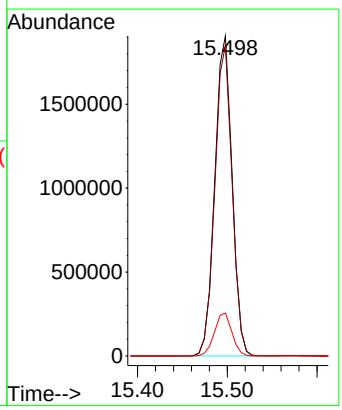
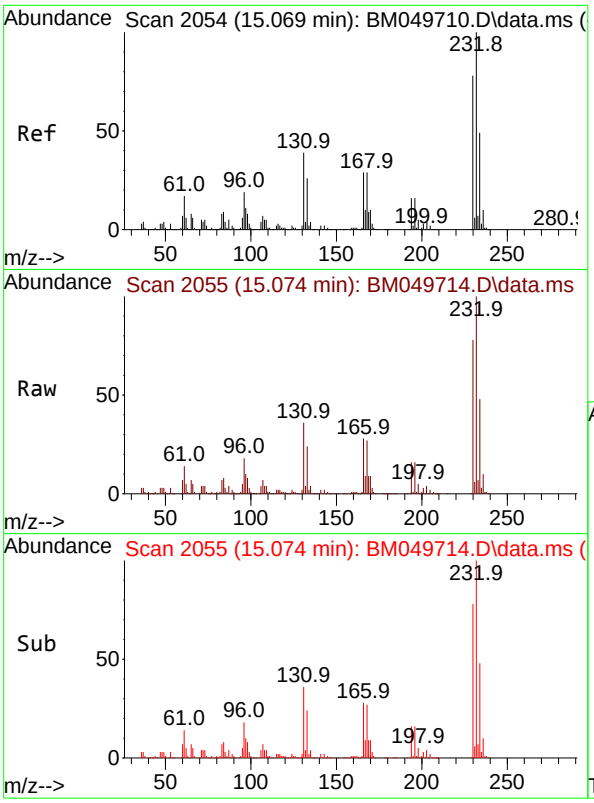


#58
Fluorene
Concen: 40.133 ng
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:166 Resp: 2552375

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.5	116.3
167	13.4	10.9	16.3

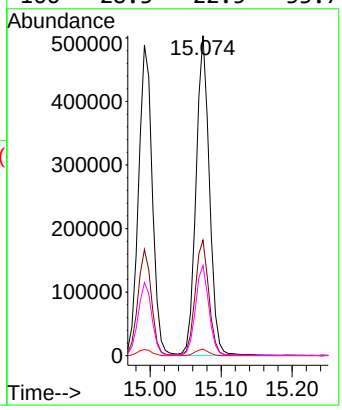




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.187 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:232 Resp: 65965

Ion	Ratio	Lower	Upper
232	100		
131	37.1	30.0	45.0
130	2.1	1.6	2.4
166	28.3	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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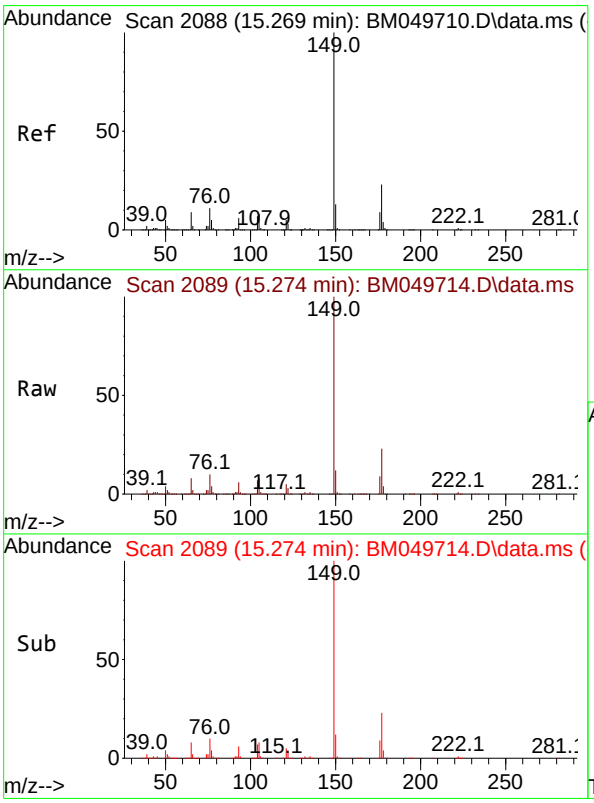
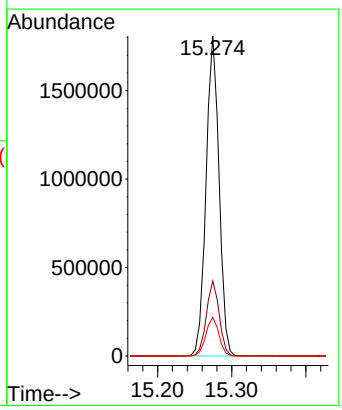
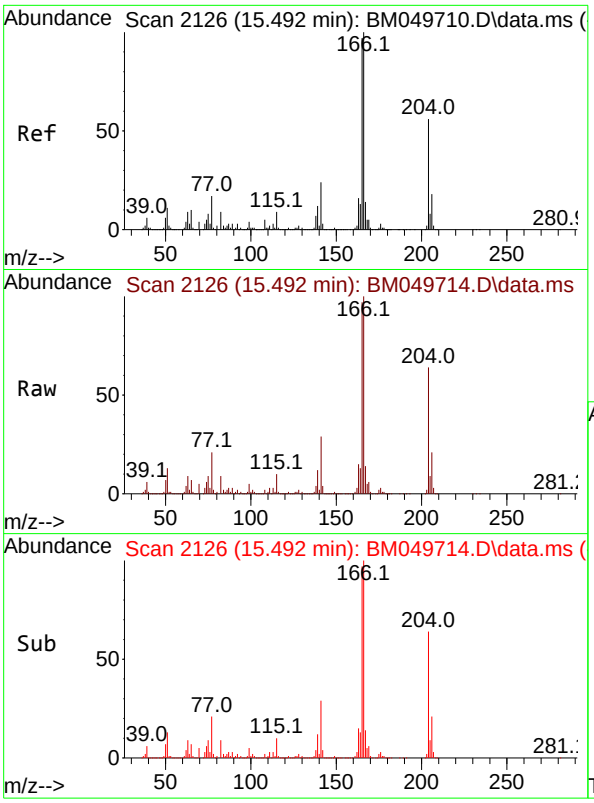


#60
Diethylphthalate
Concen: 39.848 ng
RT: 15.274 min Scan# 2089
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 2202259

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.2
150	12.0	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 39.997 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Tgt Ion:204 Resp: 138903

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	45.9	34.5	51.7

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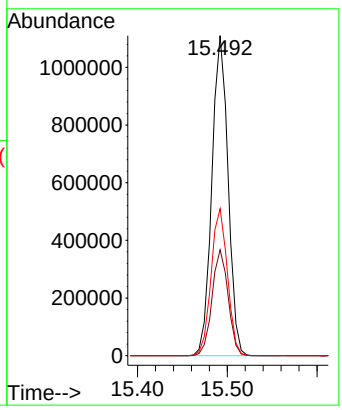
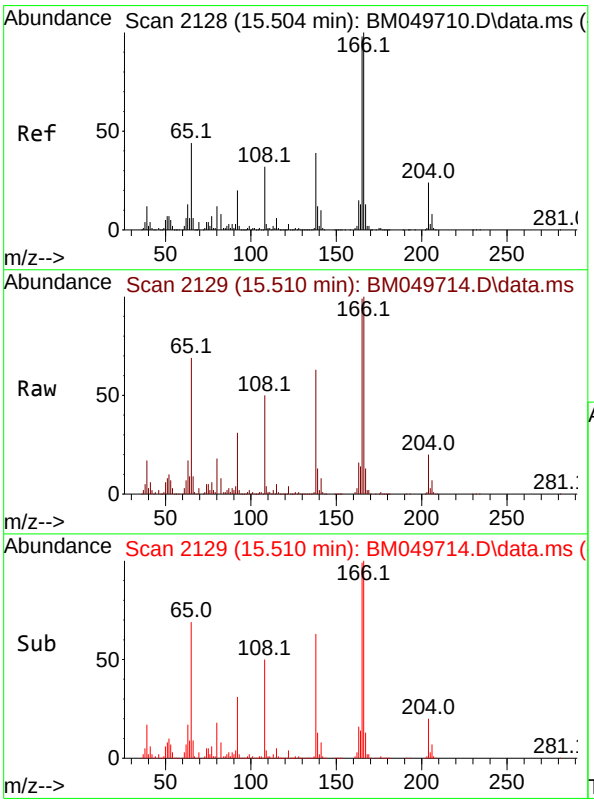
Supervised By :Jagrut Upadhyay 03/14/2025

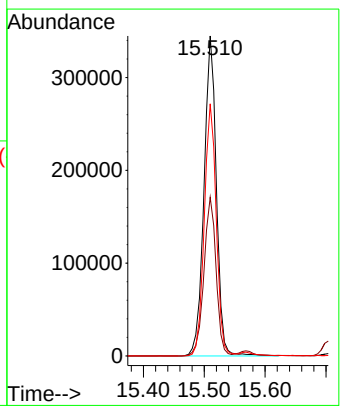


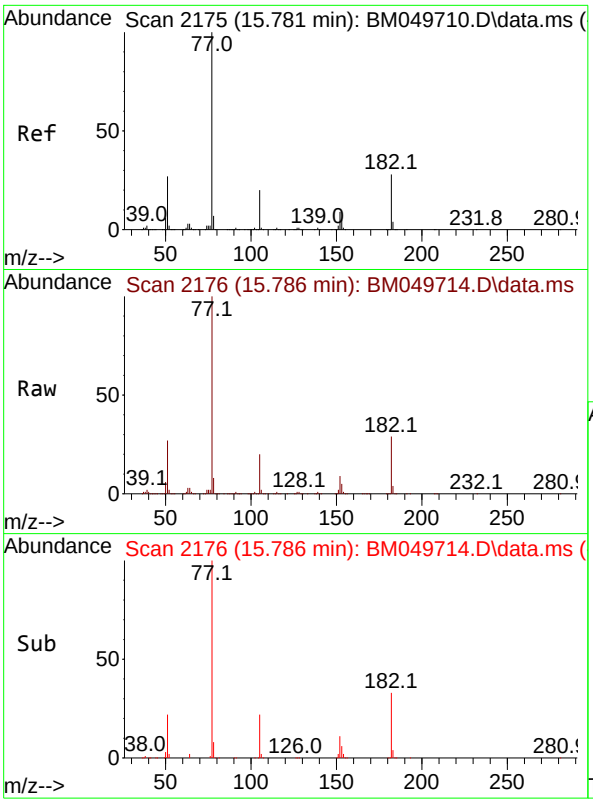


#62
4-Nitroaniline
Concen: 37.552 ng
RT: 15.510 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:138 Resp: 488092

Ion	Ratio	Lower	Upper
138	100		
92	49.6	29.8	69.8
108	78.8	61.3	101.3





#63
Azobenzene
Concen: 39.634 ng
RT: 15.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Tgt Ion: 77 Resp: 209222

Ion	Ratio	Lower	Upper
77	100		
182	29.4	8.0	48.0
105	20.0	0.0	40.0
51	27.0	7.3	47.3

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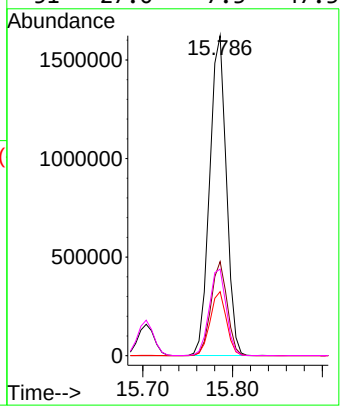
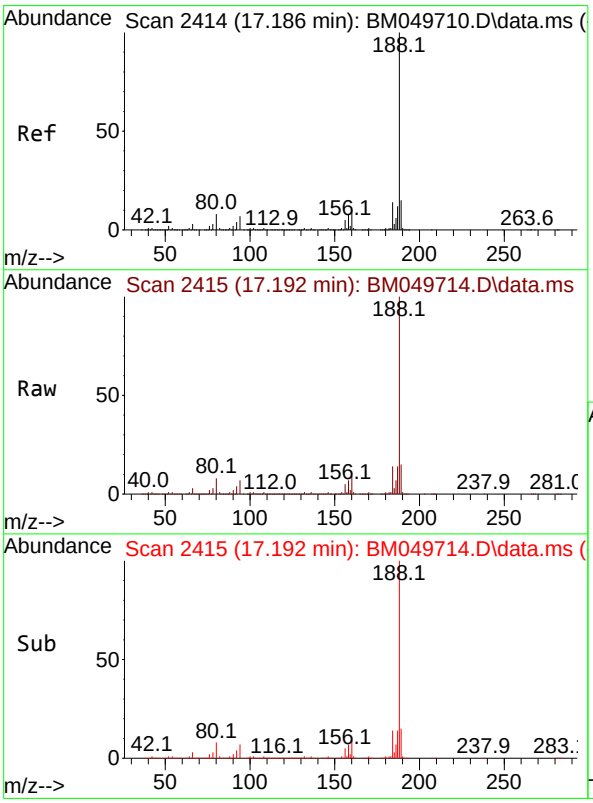
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

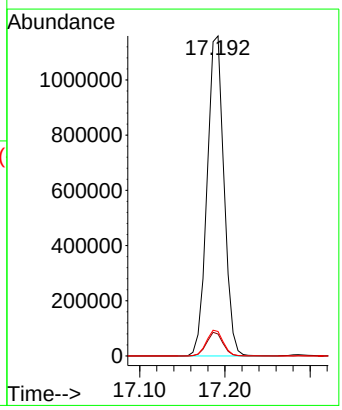


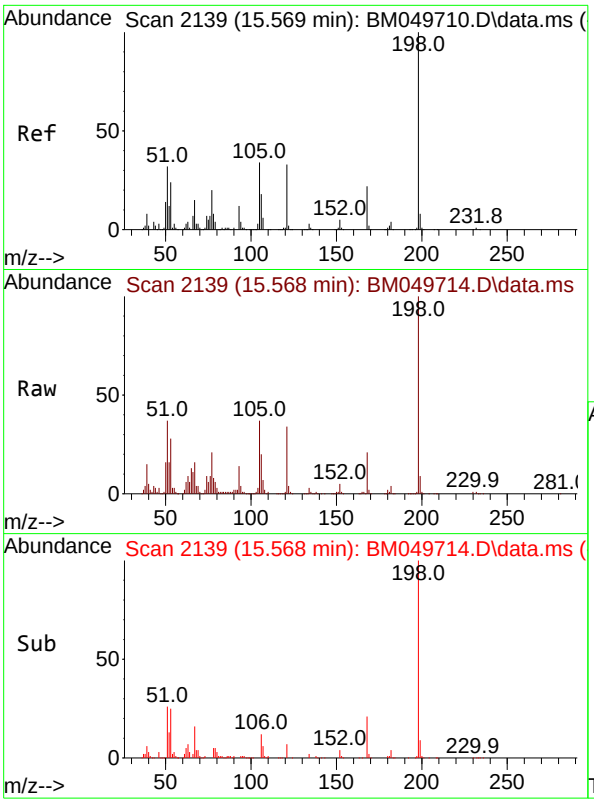


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:188 Resp: 1592582

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.8	8.6
80	7.7	6.3	9.5





#65
4,6-Dinitro-2-methylphenol
Concen: 40.710 ng
RT: 15.568 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:198 Resp: 33567

Ion	Ratio	Lower	Upper
198	100		
51	37.3	13.8	53.8
105	36.9	14.0	54.0

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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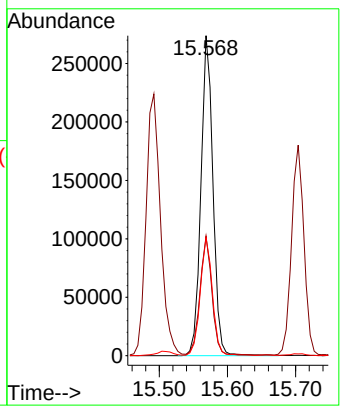
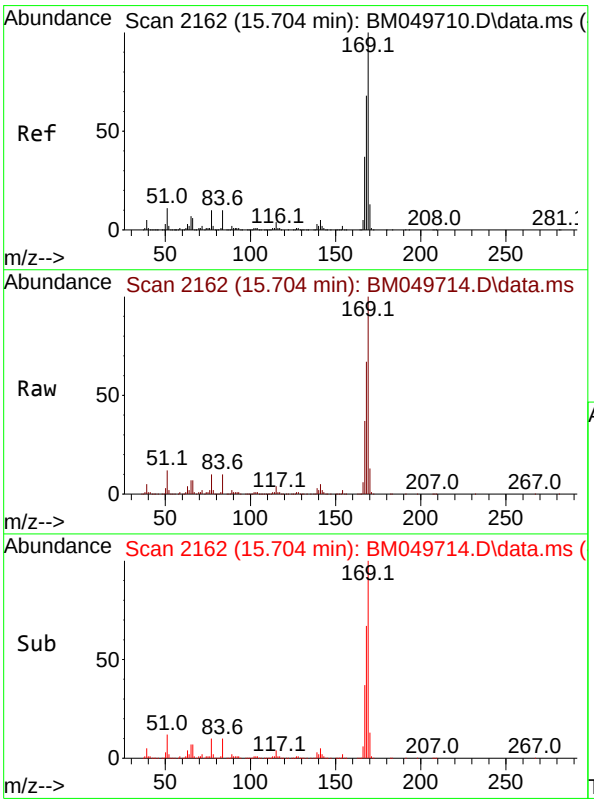
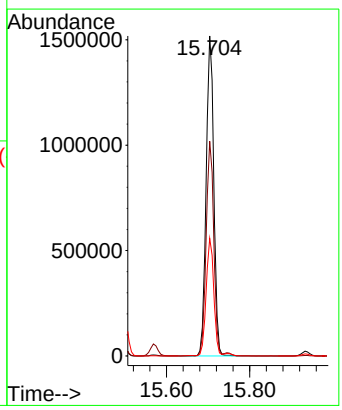


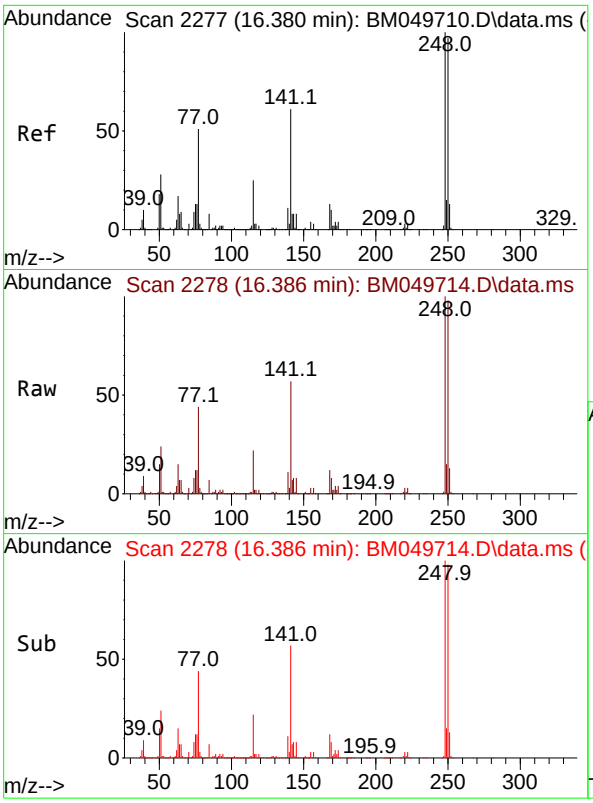


#66
n-Nitrosodiphenylamine
Concen: 40.117 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:169 Resp: 1935702

Ion	Ratio	Lower	Upper
169	100		
168	67.1	54.8	82.2
167	36.7	29.9	44.9





#67
4-Bromophenyl-phenylether
Concen: 39.881 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:248 Resp: 73330

Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.9	116.9
141	56.8	48.6	73.0

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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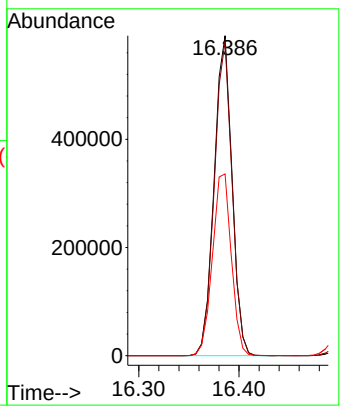
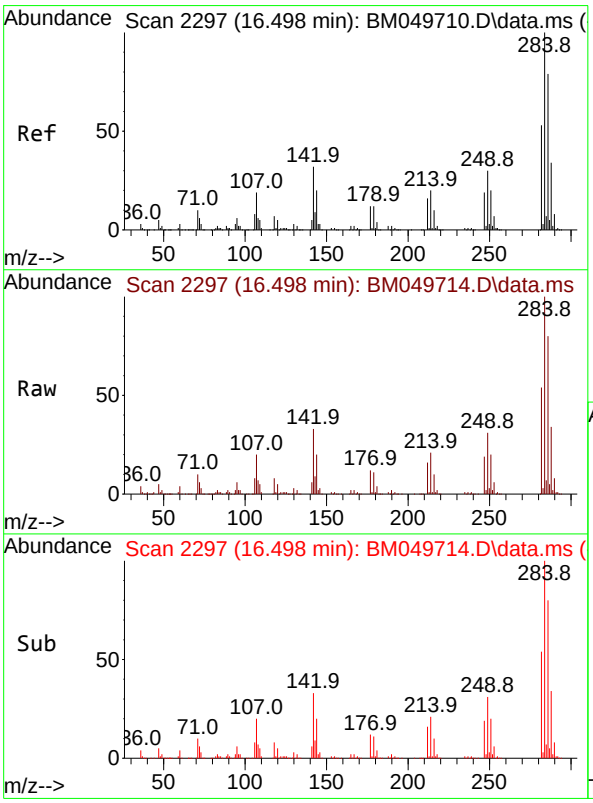
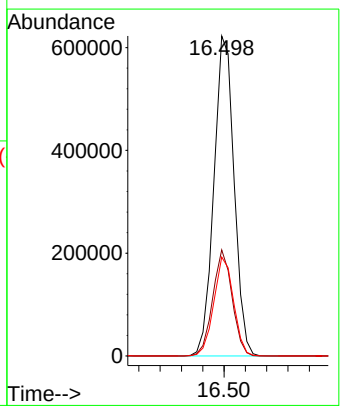


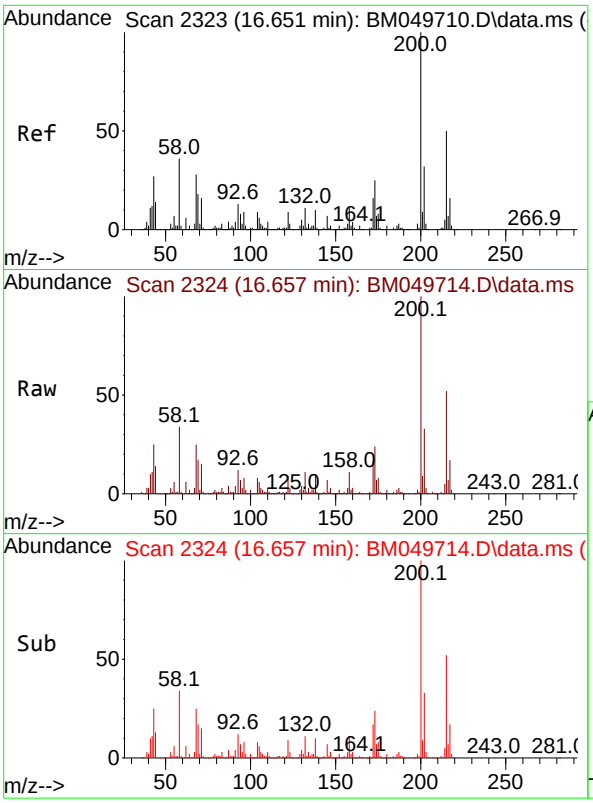


#68
Hexachlorobenzene
Concen: 39.511 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:284 Resp: 816963

Ion	Ratio	Lower	Upper
284	100		
142	33.1	25.5	38.3
249	30.9	24.2	36.2

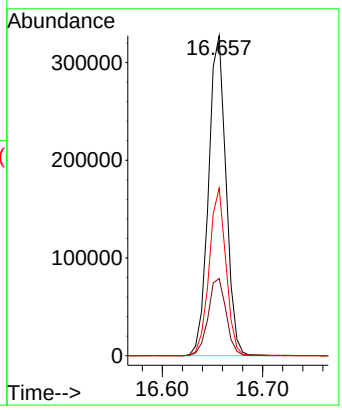




#69
Atrazine
Concen: 37.400 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:200 Resp: 39771

Ion	Ratio	Lower	Upper
200	100		
173	24.1	5.4	45.4
215	52.3	29.8	69.8



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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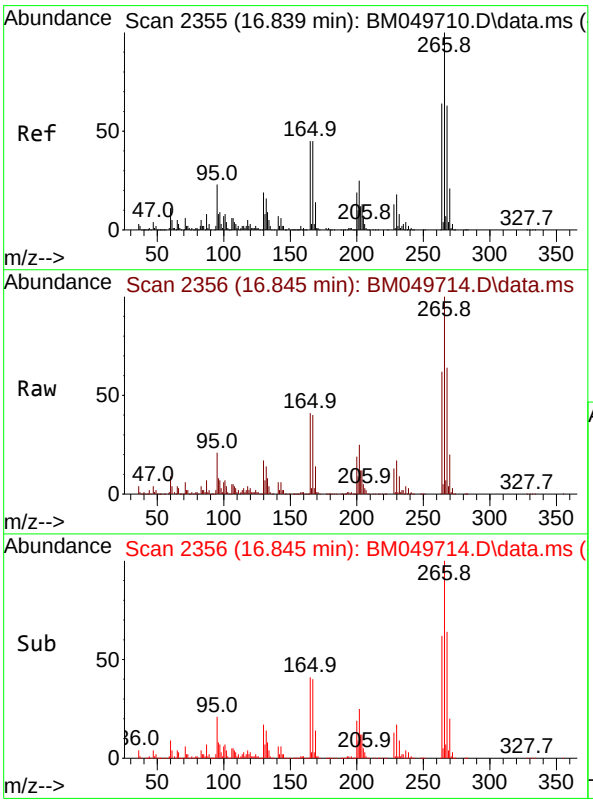
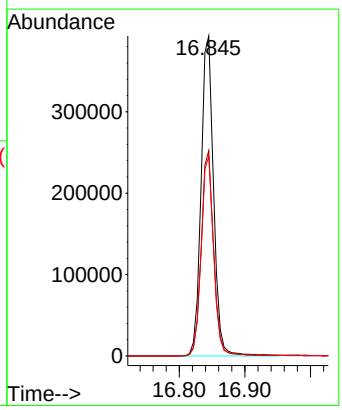
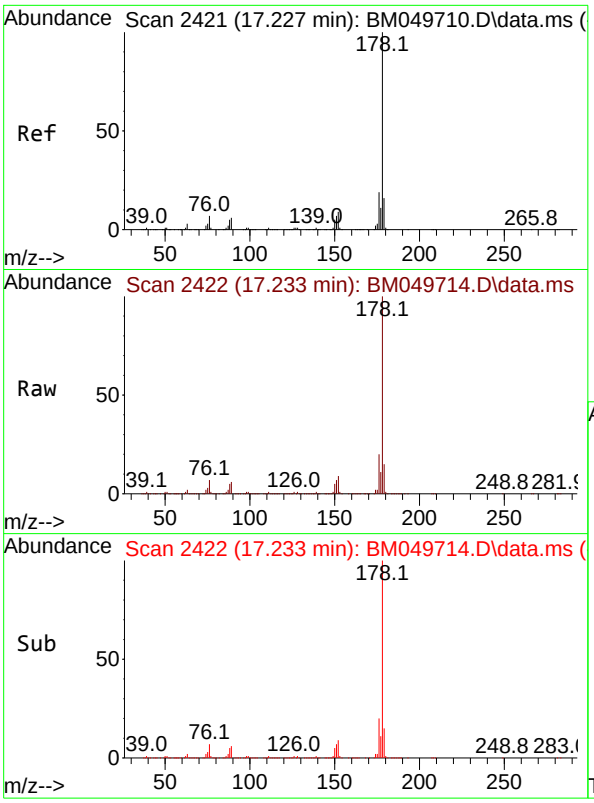


#70
Pentachlorophenol
Concen: 40.280 ng
RT: 16.845 min Scan# 2356
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:266 Resp: 523396

Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.2	75.2
264	62.4	51.3	76.9

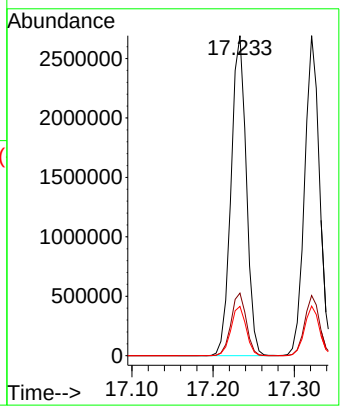




#71
Phenanthrene
Concen: 39.603 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:178 Resp: 350216

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.4	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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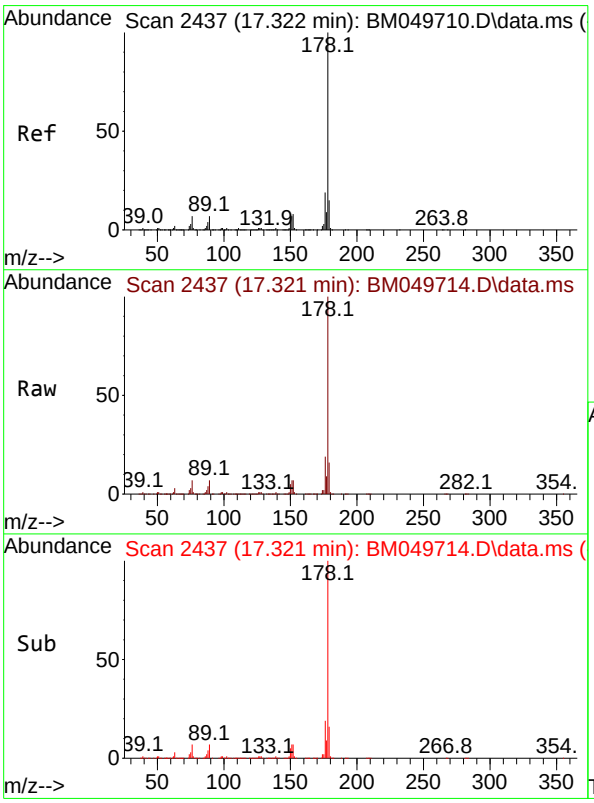
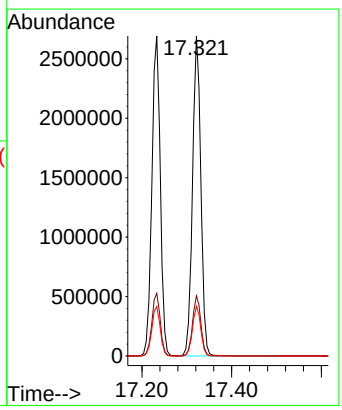
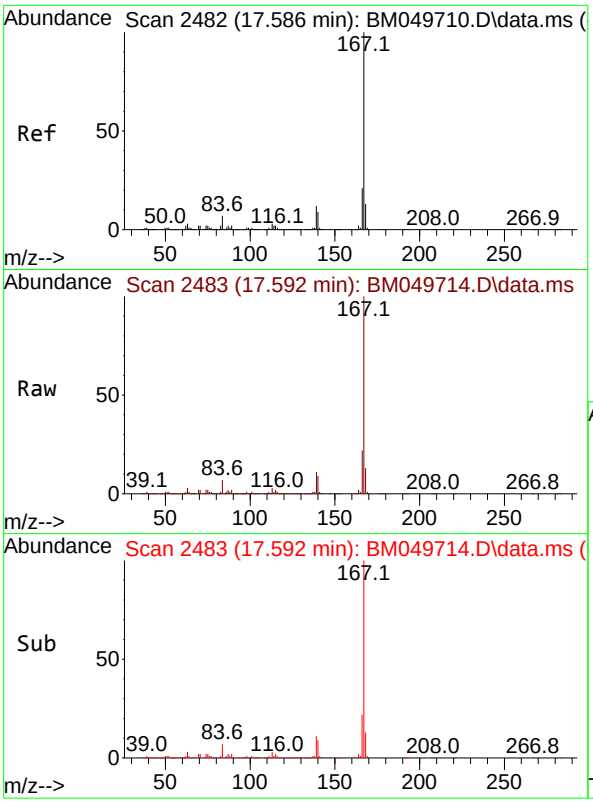


#72
Anthracene
Concen: 40.434 ng
RT: 17.321 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:178 Resp: 3462856

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.5	12.4	18.6

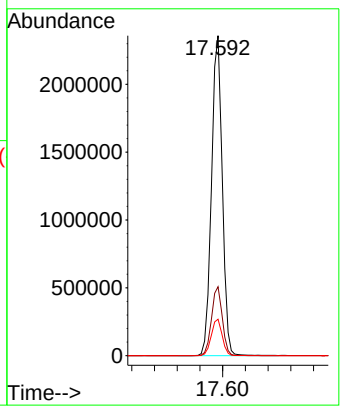




#73
Carbazole
Concen: 39.814 ng
RT: 17.592 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:167 Resp: 308805

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	11.4	9.4	14.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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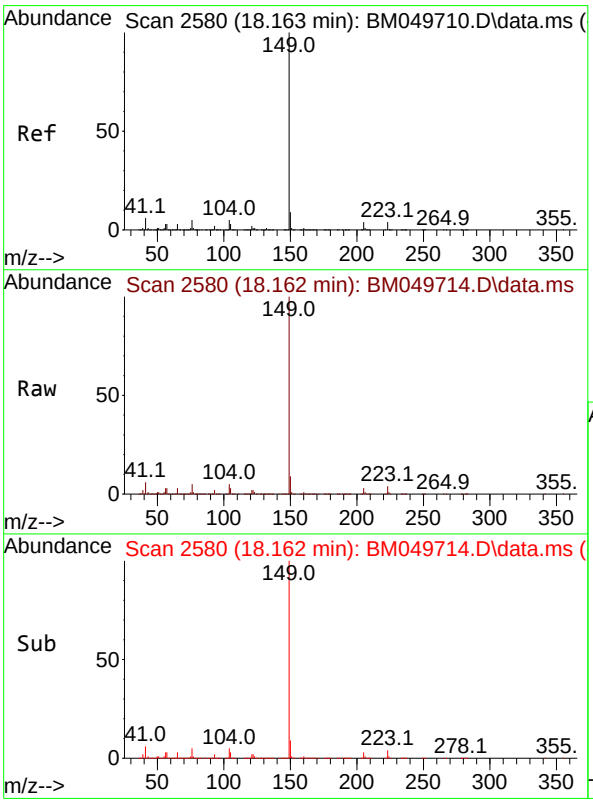
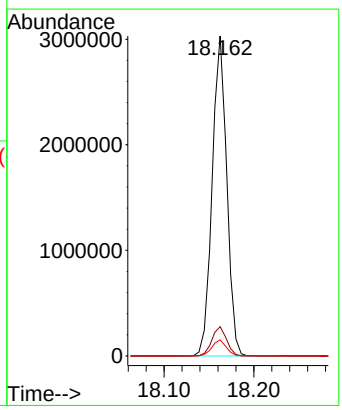
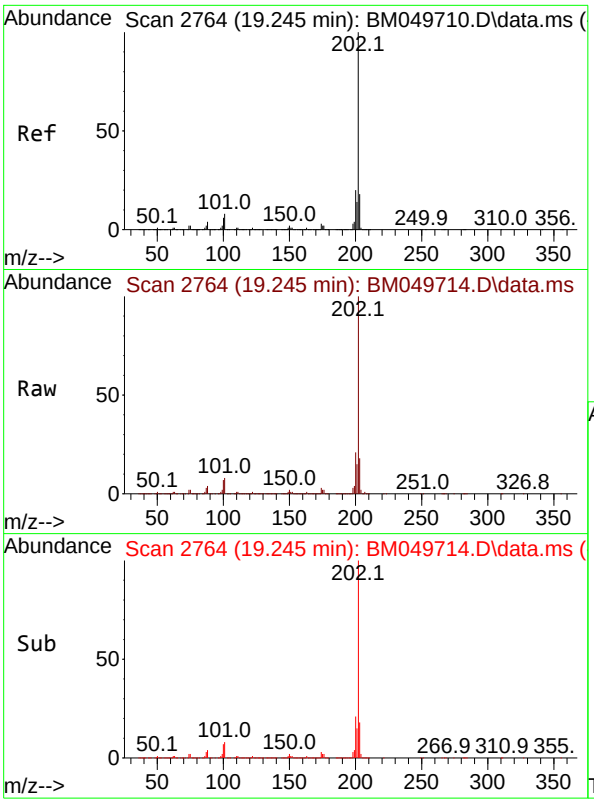


#74
Di-n-butylphthalate
Concen: 40.175 ng
RT: 18.162 min Scan# 2580
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 3415276

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.1	3.9	5.9

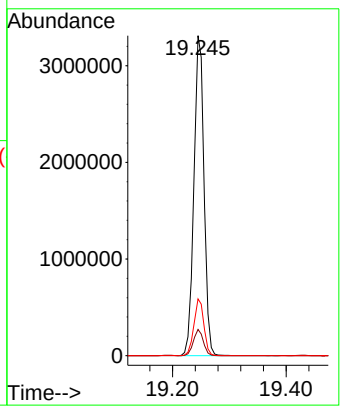




#75
Fluoranthene
Concen: 40.255 ng
RT: 19.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:202 Resp: 409845

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.8
203	17.8	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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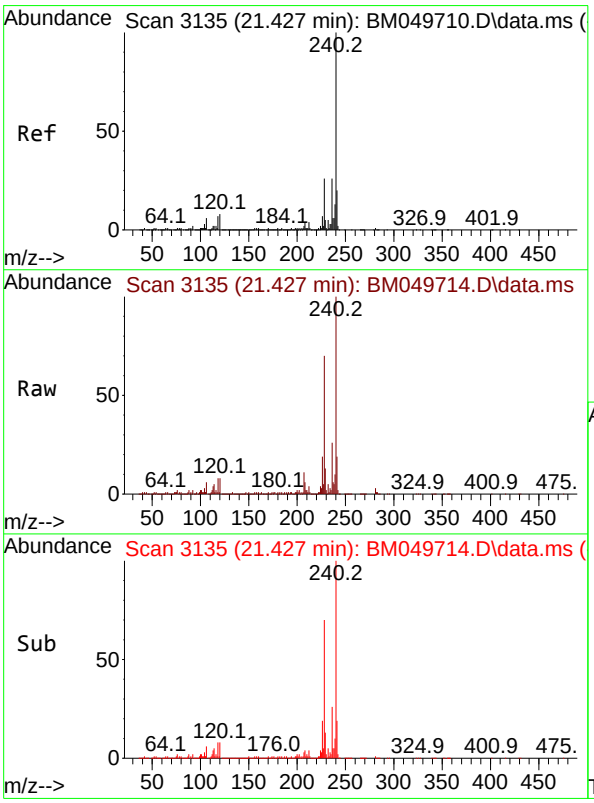
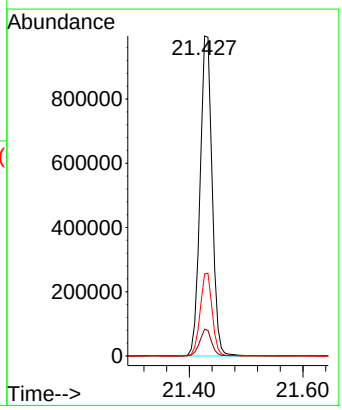
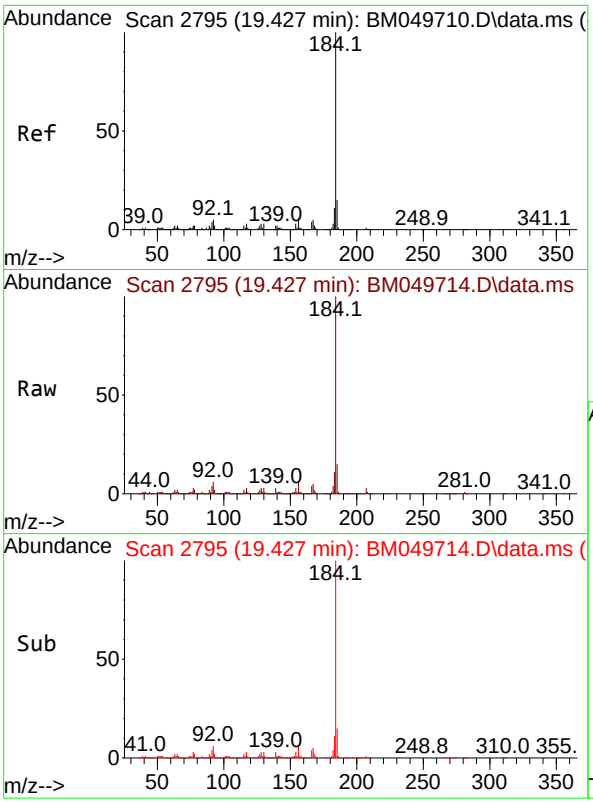


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:240 Resp: 1466147

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	25.7	20.7	31.1

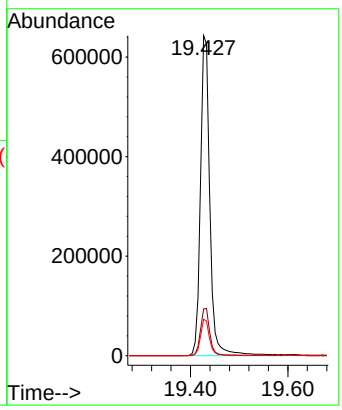




#77
Benzidine
Concen: 48.932 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:184 Resp: 86190

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	11.3	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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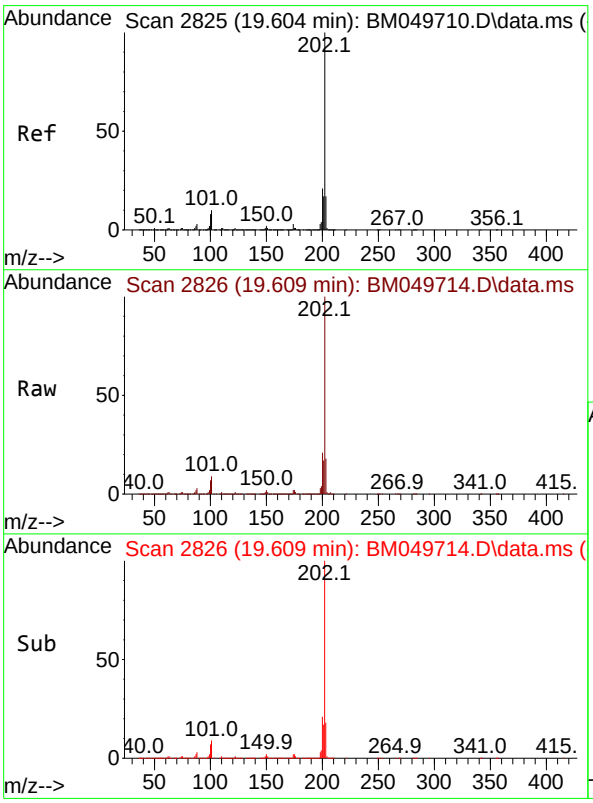
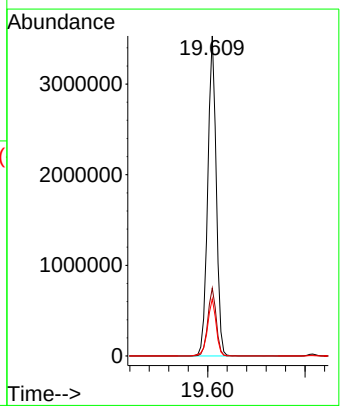
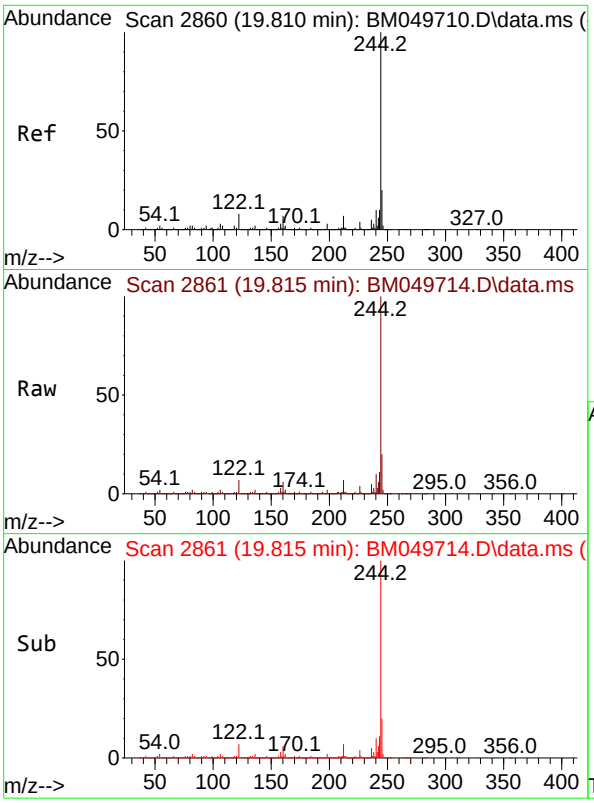


#78
Pyrene
Concen: 41.286 ng
RT: 19.609 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:202 Resp: 4229052

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.8	14.0	21.0

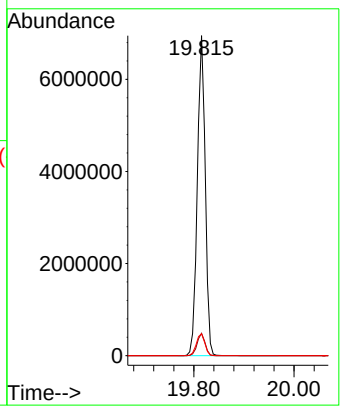




#79
Terphenyl-d14
Concen: 87.079 ng
RT: 19.815 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:244 Resp: 757631

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	6.9	6.0	9.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

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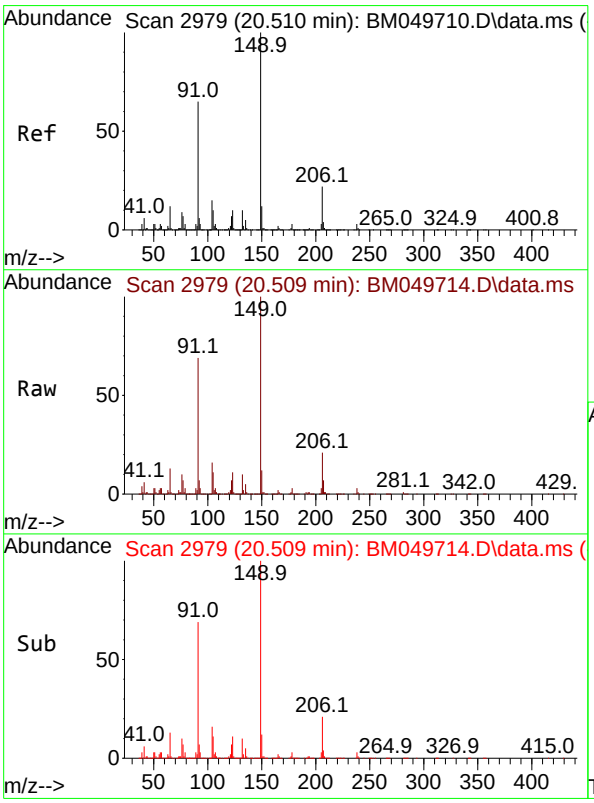
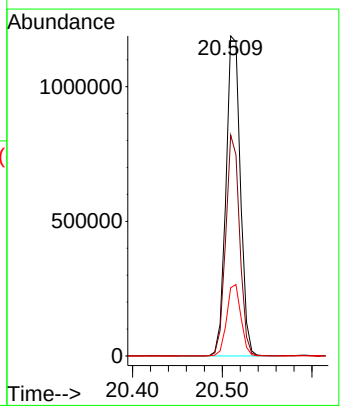
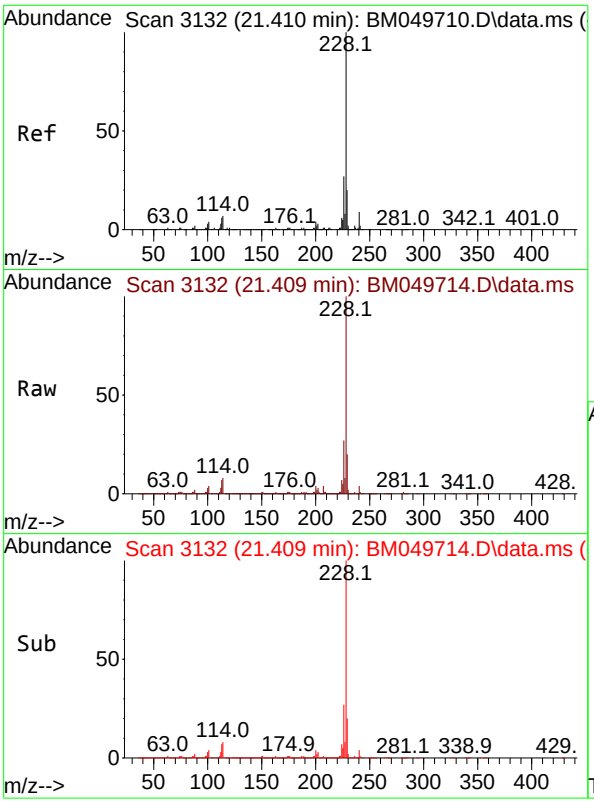


#80
Butylbenzylphthalate
Concen: 41.591 ng
RT: 20.509 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 1322122

Ion	Ratio	Lower	Upper
149	100		
91	69.0	52.2	78.4
206	21.3	17.6	26.4

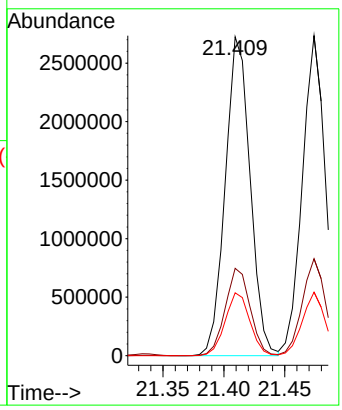




#81
Benzo(a)anthracene
Concen: 39.638 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:228 Resp: 388169

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.0	33.0
229	19.7	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
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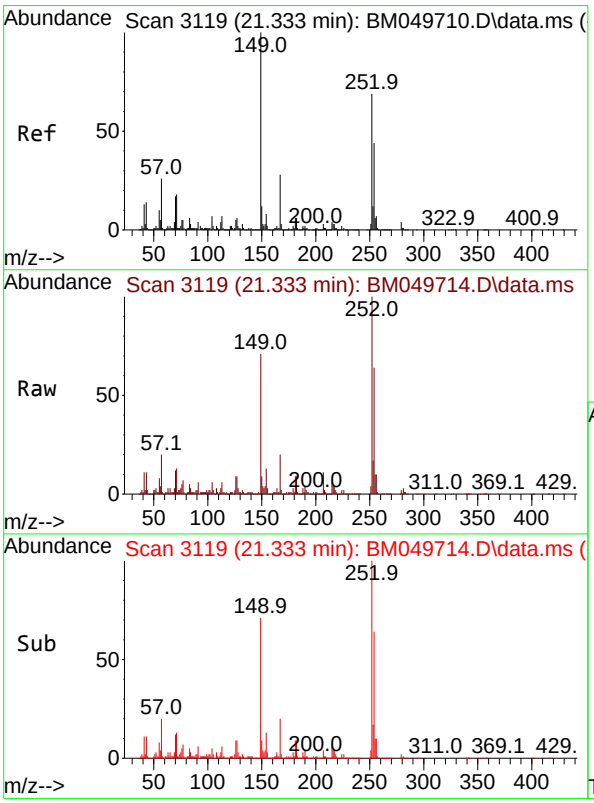
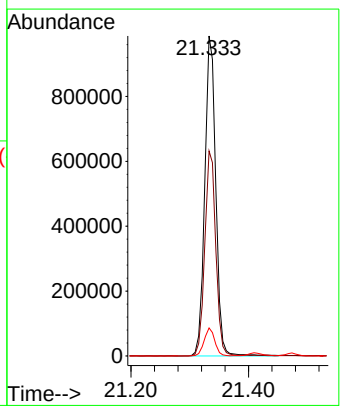
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

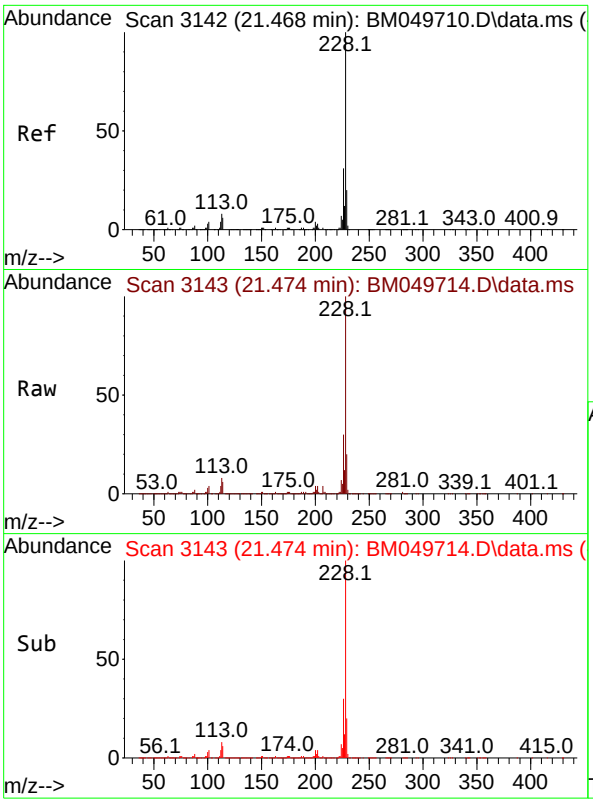


#82
3,3'-Dichlorobenzidine
Concen: 40.108 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:252 Resp: 1278791

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.4
126	8.7	6.3	9.5

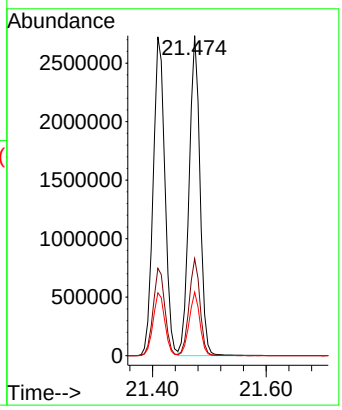




#83
Chrysene
Concen: 39.108 ng
RT: 21.474 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:228 Resp: 363041

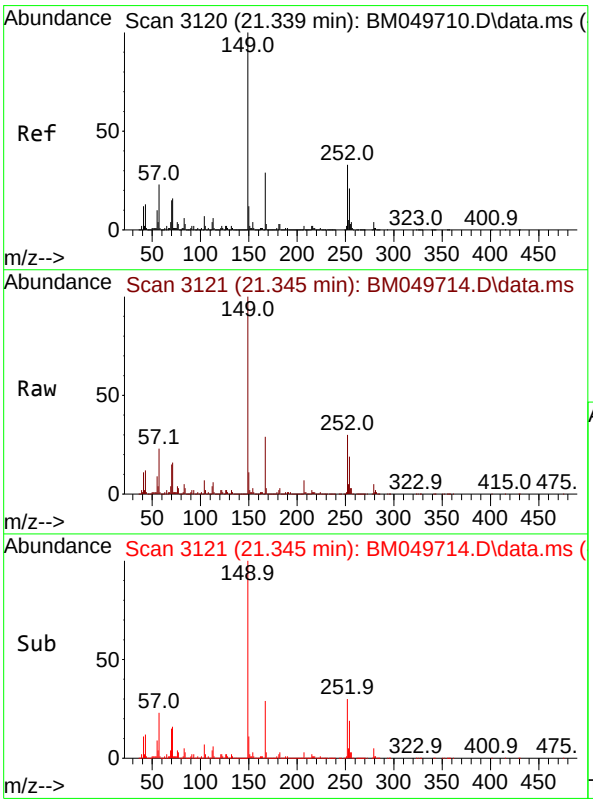
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.9	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

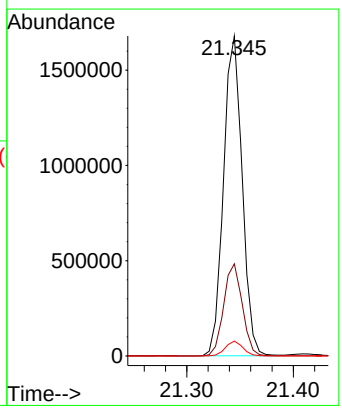
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

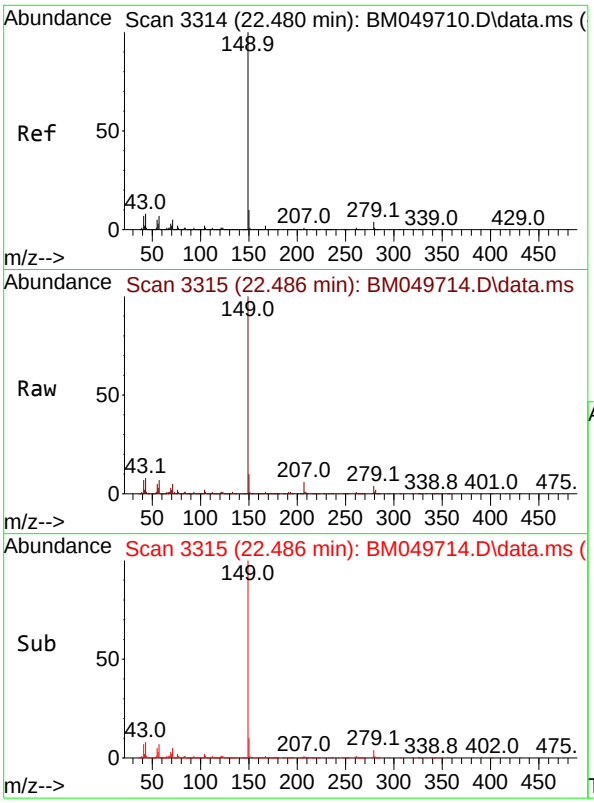


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.168 ng
RT: 21.345 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 2039556

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.9	34.3
279	4.6	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 38.353 ng
RT: 22.486 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 295324

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.8	10.2

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
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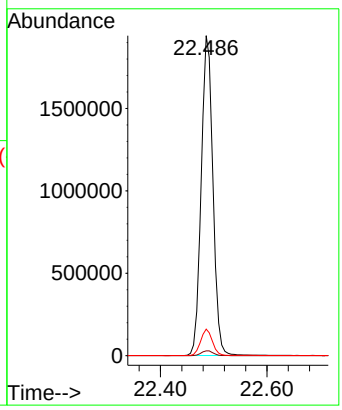
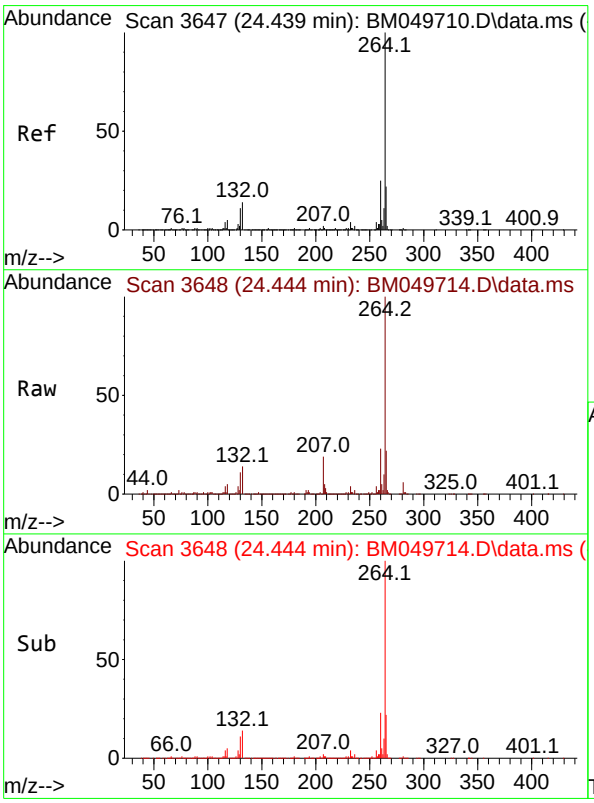
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

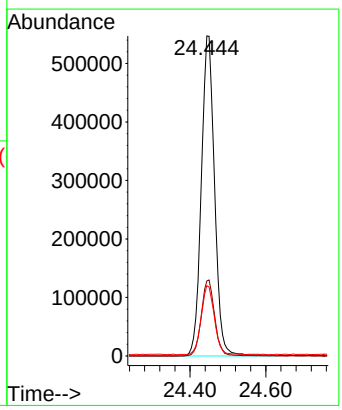


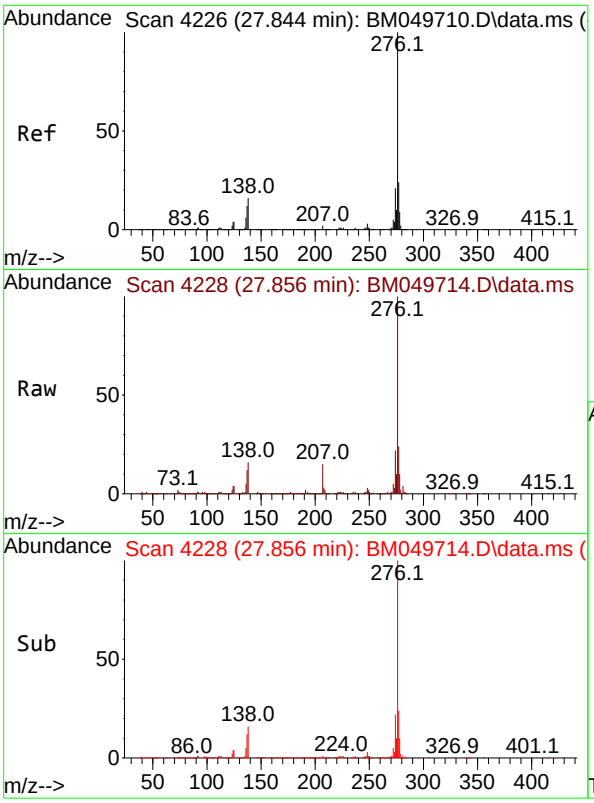


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.444 min Scan# 3648
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:264 Resp: 1326527

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	22.0	18.2	27.2

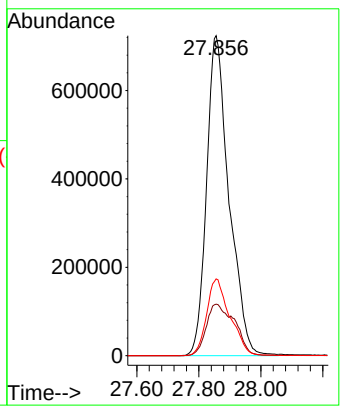




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.154 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:276 Resp: 364285

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.3	24.5
277	24.9	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
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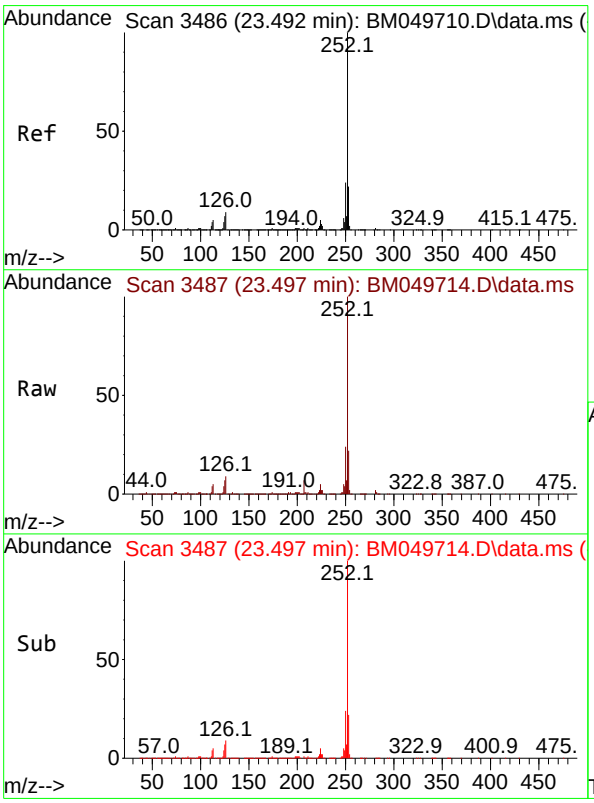
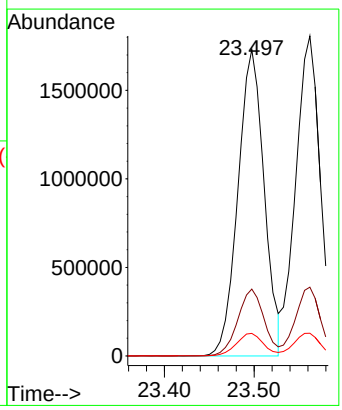
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

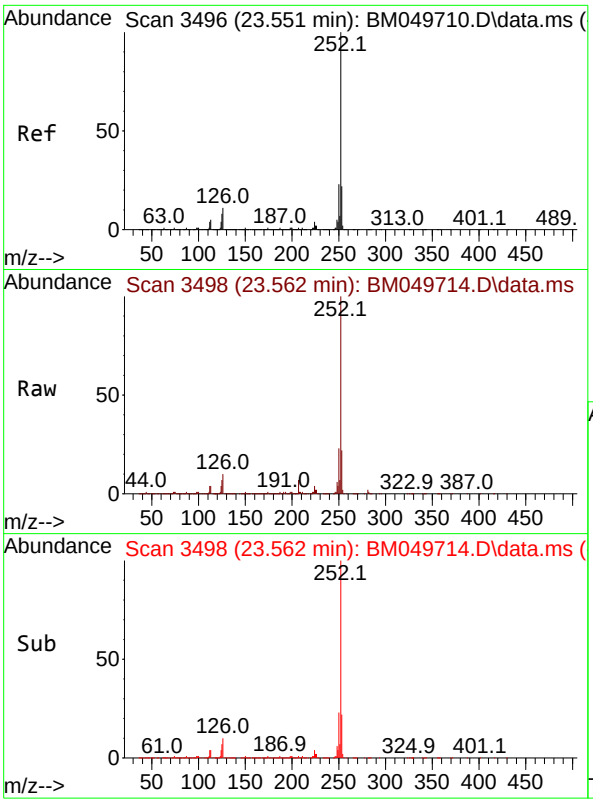


#88
Benzo(b)fluoranthene
Concen: 39.262 ng
RT: 23.497 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:252 Resp: 3507924

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	7.4	5.9	8.9

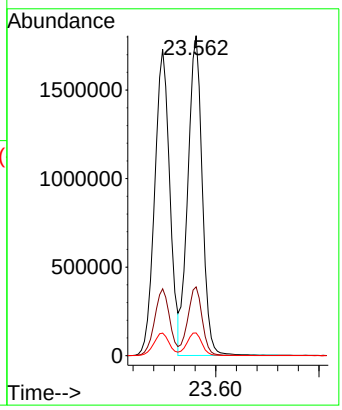




#89
Benzo(k)fluoranthene
Concen: 39.606 ng
RT: 23.562 min Scan# 34
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:252 Resp: 348201

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	7.1	6.2	9.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
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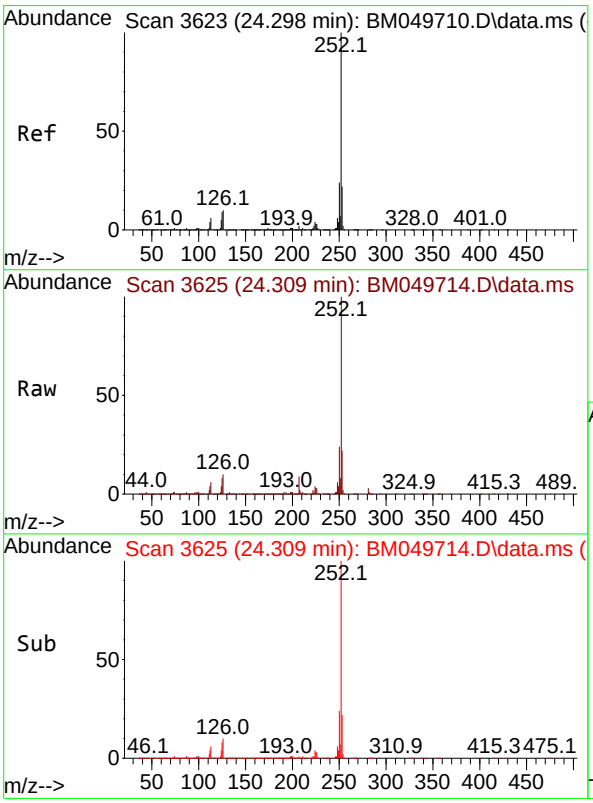
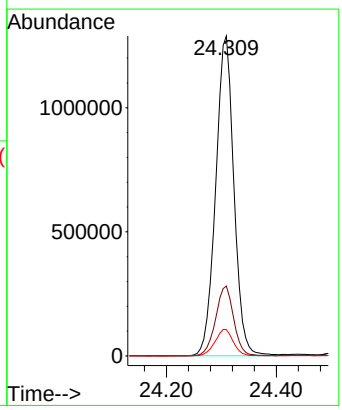
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

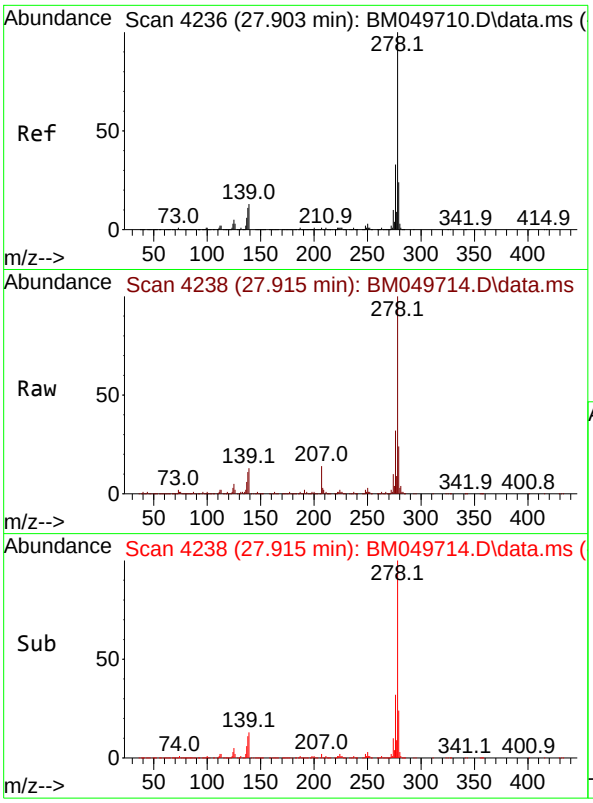


#90
Benzo(a)pyrene
Concen: 39.477 ng
RT: 24.309 min Scan# 3625
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:252 Resp: 2962652

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.3	7.0	10.6

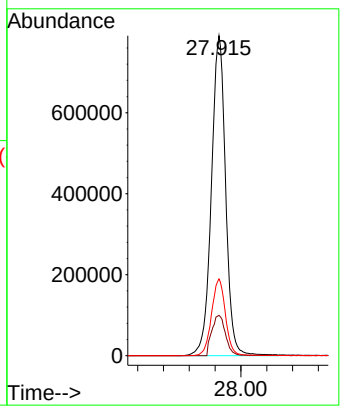




#91
Dibenzo(a,h)anthracene
Concen: 38.090 ng
RT: 27.915 min Scan# 4
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:278 Resp: 302997

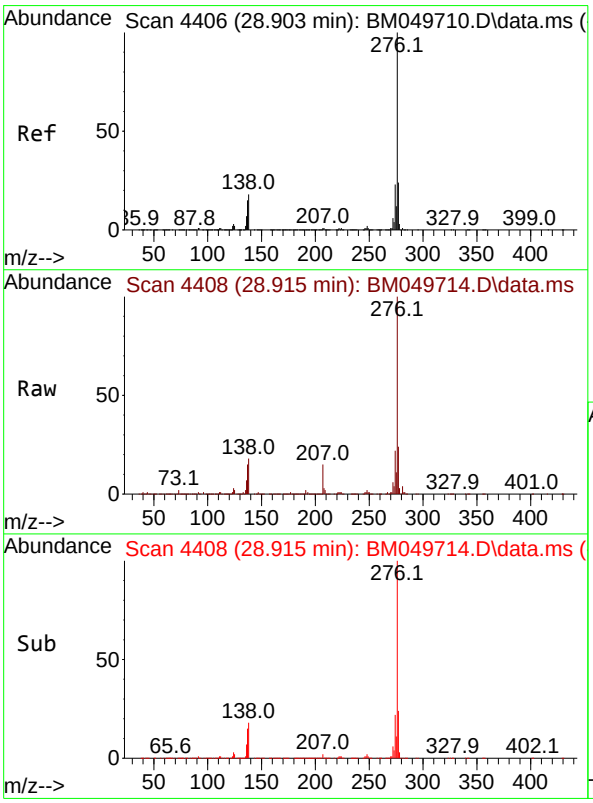
Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.1	15.1
279	24.0	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

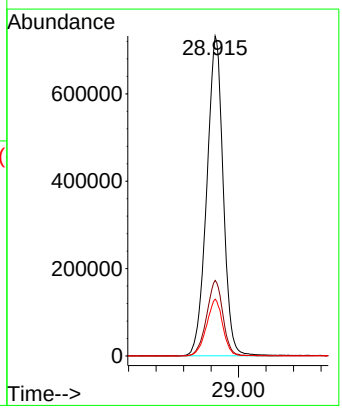
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 37.817 ng
RT: 28.915 min Scan# 4408
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:276 Resp: 3030114

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	17.8	14.0	21.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 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	130	0.00
2		1,4-Dioxane	0.513	0.493	3.9	129	0.00
3		Pyridine	1.310	1.302	0.6	131	0.00
4		n-Nitrosodimethylamine	0.580	0.576	0.7	133	0.00
5	S	2-Fluorophenol	1.185	1.183	0.2	131	0.00
6		Aniline	1.246	1.295	-3.9	138	0.00
7	S	Phenol-d6	1.487	1.530	-2.9	136	0.00
8		2-Chlorophenol	1.174	1.163	0.9	132	0.00
9		Benzaldehyde	0.735	0.716	2.6	137	0.00
10	C	Phenol	1.442	1.458	-1.1	136	0.00
11		bis(2-Chloroethyl)ether	1.168	1.159	0.8	135	0.00
12		1,3-Dichlorobenzene	1.426	1.377	3.4	131	0.00
13	C	1,4-Dichlorobenzene	1.439	1.390	3.4	130	0.00
14		1,2-Dichlorobenzene	1.368	1.327	3.0	130	0.00
15		Benzyl Alcohol	0.933	0.979	-4.9	137	0.00
16		2,2'-oxybis(1-Chloropropane	1.373	1.329	3.2	131	0.00
17		2-Methylphenol	0.856	0.872	-1.9	134	0.00
18		Hexachloroethane	0.508	0.481	5.3	125	0.00
19	P	n-Nitroso-di-n-propylamine	0.863	0.898	-4.1	135	0.00
20		3+4-Methylphenols	1.148	1.176	-2.4	135	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	132	0.00
22		Acetophenone	0.516	0.509	1.4	133	0.00
23	S	Nitrobenzene-d5	0.390	0.388	0.5	133	0.00
24		Nitrobenzene	0.367	0.364	0.8	134	0.00
25		Isophorone	0.598	0.608	-1.7	136	0.00
26	C	2-Nitrophenol	0.156	0.165	-5.8	138	0.00
27		2,4-Dimethylphenol	0.199	0.203	-2.0	137	0.00
28		bis(2-Chloroethoxy)methane	0.421	0.412	2.1	134	0.00
29	C	2,4-Dichlorophenol	0.324	0.327	-0.9	134	0.00
30		1,2,4-Trichlorobenzene	0.406	0.386	4.9	131	0.00
31		Naphthalene	1.028	1.010	1.8	134	0.00
32		Benzoic acid	0.169	0.182	-7.7	146	0.02
33		4-Chloroaniline	0.351	0.354	-0.9	134	0.00
34	C	Hexachlorobutadiene	0.250	0.239	4.4	130	0.00
35		Caprolactam	0.075	0.081	-8.0	137	0.00
36	C	4-Chloro-3-methylphenol	0.278	0.292	-5.0	138	0.00
37		2-Methylnaphthalene	0.719	0.718	0.1	135	0.00
38		1-Methylnaphthalene	0.694	0.695	-0.1	136	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	137	0.00
40		1,2,4,5-Tetrachlorobenzene	0.735	0.714	2.9	136	0.00
41	P	Hexachlorocyclopentadiene	0.272	0.268	1.5	133	0.00
42	S	2,4,6-Tribromophenol	0.234	0.257	-9.8	140	0.00
43	C	2,4,6-Trichlorophenol	0.411	0.423	-2.9	138	0.00
44		2,4,5-Trichlorophenol	0.449	0.459	-2.2	137	0.00
45	S	2-Fluorobiphenyl	1.597	1.577	1.3	136	0.00
46		1,1'-Biphenyl	1.541	1.497	2.9	134	0.00
47		2-Chloronaphthalene	1.200	1.158	3.5	134	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 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	0.269	0.283	-5.2	138	0.00
49		Acenaphthylene	1.677	1.665	0.7	136	0.00
50		Dimethylphthalate	1.377	1.353	1.7	135	0.00
51		2,6-Dinitrotoluene	0.276	0.281	-1.8	137	0.00
52	C	Acenaphthene	1.100	1.079	1.9	134	0.00
53		3-Nitroaniline	0.263	0.274	-4.2	137	0.00
54	P	2,4-Dinitrophenol	0.134	0.138	-3.0	143	0.00
55		Dibenzofuran	1.833	1.782	2.8	136	0.00
56	P	4-Nitrophenol	0.229	0.227	0.9	134	0.00
57		2,4-Dinitrotoluene	0.355	0.372	-4.8	137	0.00
58		Fluorene	1.492	1.497	-0.3	137	0.00
59		2,3,4,6-Tetrachlorophenol	0.376	0.387	-2.9	137	0.00
60		Diethylphthalate	1.297	1.292	0.4	136	0.00
61		4-Chlorophenyl-phenylether	0.815	0.815	0.0	136	0.00
62		4-Nitroaniline	0.274	0.286	-4.4	131	0.00
63		Azobenzene	1.239	1.227	1.0	135	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	135	0.00
65		4,6-Dinitro-2-methylphenol	0.102	0.105	-2.9	143	0.00
66	c	n-Nitrosodiphenylamine	0.606	0.608	-0.3	137	0.00
67		4-Bromophenyl-phenylether	0.231	0.230	0.4	138	0.00
68		Hexachlorobenzene	0.260	0.256	1.5	138	0.00
69		Atrazine	0.134	0.125	6.7	132	0.00
70	C	Pentachlorophenol	0.163	0.164	-0.6	138	0.00
71		Phenanthrene	1.111	1.100	1.0	136	0.00
72		Anthracene	1.076	1.087	-1.0	138	0.00
73		Carbazole	0.974	0.970	0.4	132	0.00
74		Di-n-butylphthalate	1.068	1.072	-0.4	134	0.00
75	C	Fluoranthene	1.279	1.287	-0.6	134	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	122	0.00
77		Benzidine	0.240	0.294	-22.5	171#	0.00
78		Pyrene	1.397	1.442	-3.2	133	0.00
79	S	Terphenyl-d14	1.187	1.292	-8.8	131	0.00
80		Butylbenzylphthalate	0.434	0.451	-3.9	128	0.00
81		Benzo(a)anthracene	1.336	1.324	0.9	124	0.00
82		3,3'-Dichlorobenzidine	0.435	0.436	-0.2	130	0.00
83		Chrysene	1.266	1.238	2.2	122	0.00
84		Bis(2-ethylhexyl)phthalate	0.676	0.696	-3.0	126	0.00
85	c	Di-n-octyl phthalate	1.050	1.007	4.1	122	0.00
86	I	Perylene-d12	1.000	1.000	0.0	117	0.00
87		Indeno(1,2,3-cd)pyrene	1.440	1.373	4.7	112	0.01
88		Benzo(b)fluoranthene	1.347	1.322	1.9	116	0.00
89		Benzo(k)fluoranthene	1.325	1.312	1.0	119	0.01
90	C	Benzo(a)pyrene	1.131	1.117	1.2	116	0.01
91		Dibenzo(a,h)anthracene	1.199	1.142	4.8	112	0.01
92		Benzo(g,h,i)perylene	1.208	1.142	5.5	111	0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 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\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 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	130	0.00
2		1,4-Dioxane	40.000	38.421	3.9	129	0.00
3		Pyridine	40.000	39.743	0.6	131	0.00
4		n-Nitrosodimethylamine	40.000	39.713	0.7	133	0.00
5	S	2-Fluorophenol	80.000	79.812	0.2	131	0.00
6		Aniline	40.000	41.558	-3.9	138	0.00
7	S	Phenol-d6	80.000	82.307	-2.9	136	0.00
8		2-Chlorophenol	40.000	39.632	0.9	132	0.00
9		Benzaldehyde	40.000	38.938	2.7	137	0.00
10	C	Phenol	40.000	40.424	-1.1	136	0.00
11		bis(2-Chloroethyl)ether	40.000	39.691	0.8	135	0.00
12		1,3-Dichlorobenzene	40.000	38.623	3.4	131	0.00
13	C	1,4-Dichlorobenzene	40.000	38.645	3.4	130	0.00
14		1,2-Dichlorobenzene	40.000	38.803	3.0	130	0.00
15		Benzyl Alcohol	40.000	41.958	-4.9	137	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.736	3.2	131	0.00
17		2-Methylphenol	40.000	40.737	-1.8	134	0.00
18		Hexachloroethane	40.000	37.848	5.4	125	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.653	-4.1	135	0.00
20		3+4-Methylphenols	40.000	40.994	-2.5	135	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	132	0.00
22		Acetophenone	40.000	39.465	1.3	133	0.00
23	S	Nitrobenzene-d5	80.000	79.713	0.4	133	0.00
24		Nitrobenzene	40.000	39.649	0.9	134	0.00
25		Isophorone	40.000	40.681	-1.7	136	0.00
26	C	2-Nitrophenol	40.000	42.188	-5.5	138	0.00
27		2,4-Dimethylphenol	40.000	40.805	-2.0	137	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.135	2.2	134	0.00
29	C	2,4-Dichlorophenol	40.000	40.313	-0.8	134	0.00
30		1,2,4-Trichlorobenzene	40.000	38.096	4.8	131	0.00
31		Naphthalene	40.000	39.284	1.8	134	0.00
32		Benzoic acid	40.000	42.940	-7.3	146	0.02
33		4-Chloroaniline	40.000	40.318	-0.8	134	0.00
34	C	Hexachlorobutadiene	40.000	38.204	4.5	130	0.00
35		Caprolactam	40.000	43.119	-7.8	137	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.022	-5.1	138	0.00
37		2-Methylnaphthalene	40.000	39.933	0.2	135	0.00
38		1-Methylnaphthalene	40.000	40.096	-0.2	136	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	137	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.890	2.8	136	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.461	1.3	133	0.00
42	S	2,4,6-Tribromophenol	80.000	87.947	-9.9	140	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.087	-2.7	138	0.00
44		2,4,5-Trichlorophenol	40.000	40.857	-2.1	137	0.00
45	S	2-Fluorobiphenyl	80.000	78.993	1.3	136	0.00
46		1,1'-Biphenyl	40.000	38.855	2.9	134	0.00
47		2-Chloronaphthalene	40.000	38.600	3.5	134	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.046	-5.1	138	0.00
49		Acenaphthylene	40.000	39.705	0.7	136	0.00
50		Dimethylphthalate	40.000	39.312	1.7	135	0.00
51		2,6-Dinitrotoluene	40.000	40.774	-1.9	137	0.00
52	C	Acenaphthene	40.000	39.236	1.9	134	0.00
53		3-Nitroaniline	40.000	41.671	-4.2	137	0.00
54	P	2,4-Dinitrophenol	40.000	40.645	-1.6	143	0.00
55		Dibenzofuran	40.000	38.878	2.8	136	0.00
56	P	4-Nitrophenol	40.000	39.814	0.5	134	0.00
57		2,4-Dinitrotoluene	40.000	41.860	-4.6	137	0.00
58		Fluorene	40.000	40.133	-0.3	137	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.187	-3.0	137	0.00
60		Diethylphthalate	40.000	39.848	0.4	136	0.00
61		4-Chlorophenyl-phenylether	40.000	39.997	0.0	136	0.00
62		4-Nitroaniline	40.000	37.552	6.1	131	0.00
63		Azobenzene	40.000	39.634	0.9	135	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	135	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.710	-1.8	143	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.117	-0.3	137	0.00
67		4-Bromophenyl-phenylether	40.000	39.881	0.3	138	0.00
68		Hexachlorobenzene	40.000	39.511	1.2	138	0.00
69		Atrazine	40.000	37.400	6.5	132	0.00
70	C	Pentachlorophenol	40.000	40.280	-0.7	138	0.00
71		Phenanthrene	40.000	39.603	1.0	136	0.00
72		Anthracene	40.000	40.434	-1.1	138	0.00
73		Carbazole	40.000	39.814	0.5	132	0.00
74		Di-n-butylphthalate	40.000	40.175	-0.4	134	0.00
75	C	Fluoranthene	40.000	40.255	-0.6	134	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	122	0.00
77		Benzidine	40.000	48.932	-22.3	171	0.00
78		Pyrene	40.000	41.286	-3.2	133	0.00
79	S	Terphenyl-d14	80.000	87.079	-8.8	131	0.00
80		Butylbenzylphthalate	40.000	41.591	-4.0	128	0.00
81		Benzo(a)anthracene	40.000	39.638	0.9	124	0.00
82		3,3'-Dichlorobenzidine	40.000	40.108	-0.3	130	0.00
83		Chrysene	40.000	39.108	2.2	122	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.168	-2.9	126	0.00
85	c	Di-n-octyl phthalate	40.000	38.353	4.1	122	0.00
86	I	Perylene-d12	20.000	20.000	0.0	117	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.154	4.6	112	0.01
88		Benzo(b)fluoranthene	40.000	39.262	1.8	116	0.00
89		Benzo(k)fluoranthene	40.000	39.606	1.0	119	0.01
90	C	Benzo(a)pyrene	40.000	39.477	1.3	116	0.01
91		Dibenzo(a,h)anthracene	40.000	38.090	4.8	112	0.01
92		Benzo(g,h,i)perylene	40.000	37.817	5.5	111	0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 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: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: BNA_M Calibration Date/Time: 04/07/2025 10:43

Lab File ID: BM049833.D Init. Calib. Date(s): 03/13/2025 03/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:37

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.185	1.053		-11.1	
Phenol-d6	1.488	1.338		-10.1	
Nitrobenzene-d5	0.390	0.329		-15.6	
Naphthalene	1.028	0.931		-9.4	
2-Methylnaphthalene	0.719	0.666		-7.4	
2-Fluorobiphenyl	1.597	1.351		-15.4	
2,4,6-Tribromophenol	0.234	0.259		10.7	
Terphenyl-d14	1.187	1.070		-9.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	332328	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1151322	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	736916	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1449927	20.000	ng		-0.02
76) Chrysene-d12	21.409	240	1423468	20.000	ng		-0.02
86) Perylene-d12	24.415	264	1559768	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1399472	71.055	ng		-0.02
7) Phenol-d6	6.957	99	1778597	71.959	ng		-0.02
23) Nitrobenzene-d5	8.940	82	1513111	67.475	ng		-0.02
42) 2,4,6-Tribromophenol	15.916	330	763739	88.756	ng		-0.02
45) 2-Fluorobiphenyl	13.051	172	3982946	67.690	ng		-0.02
79) Terphenyl-d14	19.798	244	6094220	72.144	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	283053	33.198	ng		96
3) Pyridine	3.669	79	756514	34.743	ng		98
4) n-Nitrosodimethylamine	3.575	42	290098	30.110	ng	#	86
6) Aniline	7.110	93	754406	36.432	ng		98
8) 2-Chlorophenol	7.351	128	726903	37.269	ng		97
9) Benzaldehyde	6.922	77	457911	37.475	ng		96
10) Phenol	6.987	94	860185	35.891	ng		93
11) bis(2-Chloroethyl)ether	7.204	93	686323	35.363	ng		96
12) 1,3-Dichlorobenzene	7.675	146	859018	36.241	ng		97
13) 1,4-Dichlorobenzene	7.822	146	866084	36.219	ng		97
14) 1,2-Dichlorobenzene	8.140	146	817382	35.968	ng		99
15) Benzyl Alcohol	8.022	79	575405	37.097	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.322	45	768735	33.701	ng		99
17) 2-Methylphenol	8.234	107	541707	38.071	ng		97
18) Hexachloroethane	8.863	117	301517	35.706	ng		94
19) n-Nitroso-di-n-propyla...	8.592	70	509403	35.542	ng		98
20) 3+4-Methylphenols	8.557	107	732719	38.426	ng		97
22) Acetophenone	8.604	105	1023463	34.476	ng		97
24) Nitrobenzene	8.981	77	732583	34.646	ng		97
25) Isophorone	9.510	82	1288869	37.434	ng		99
26) 2-Nitrophenol	9.692	139	385614	42.847	ng		97
27) 2,4-Dimethylphenol	9.757	122	447179	39.036	ng		97
28) bis(2-Chloroethoxy)met...	9.992	93	859269	35.434	ng		99
29) 2,4-Dichlorophenol	10.234	162	721646	38.660	ng		98
30) 1,2,4-Trichlorobenzene	10.445	180	827025	35.412	ng		98
31) Naphthalene	10.634	128	2143371	36.205	ng		99
32) Benzoic acid	9.892	122	498567	51.174	ng		93
33) 4-Chloroaniline	10.739	127	776169	38.416	ng		97
34) Hexachlorobutadiene	10.922	225	508216	35.250	ng		99
35) Caprolactam	11.516	113	201123	46.408	ng		93
36) 4-Chloro-3-methylphenol	11.869	107	641998	40.077	ng		97
37) 2-Methylnaphthalene	12.245	142	1533920	37.054	ng		98
38) 1-Methylnaphthalene	12.463	142	1483399	37.141	ng		99
40) 1,2,4,5-Tetrachloroben...	12.616	216	924658	34.160	ng		99
41) Hexachlorocyclopentadiene	12.598	237	338133	33.719	ng		96
43) 2,4,6-Trichlorophenol	12.857	196	598996	39.511	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

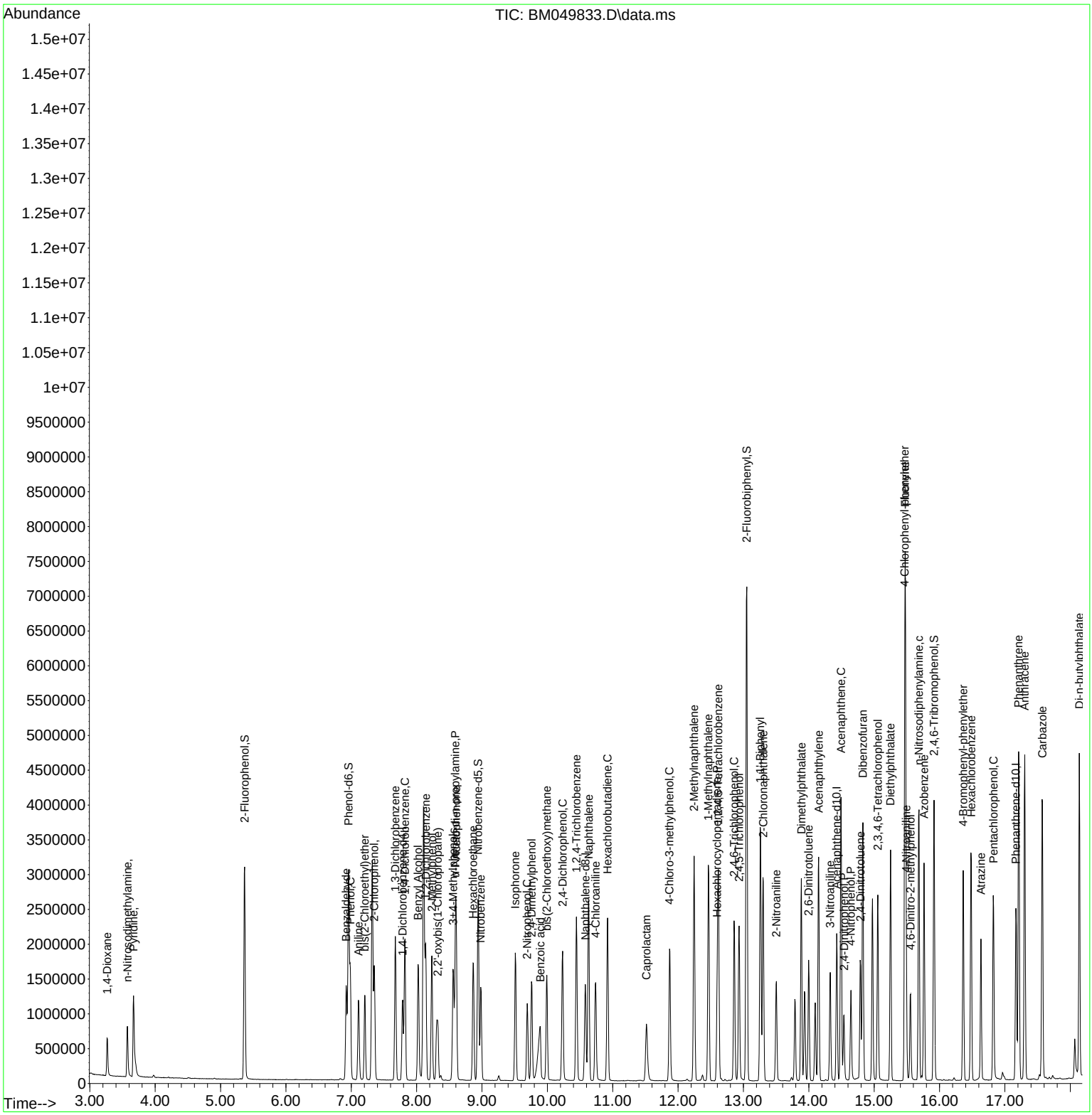
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	642703	38.849	ng	99
46) 1,1'-Biphenyl	13.257	154	2007470	35.346	ng	99
47) 2-Chloronaphthalene	13.304	162	1562072	35.335	ng	100
48) 2-Nitroaniline	13.504	65	371718	37.457	ng	88
49) Acenaphthylene	14.151	152	2286956	37.011	ng	99
50) Dimethylphthalate	13.886	163	1920484	37.852	ng	100
51) 2,6-Dinitrotoluene	13.998	165	404137	39.754	ng	91
52) Acenaphthene	14.492	154	1449895	35.772	ng	99
53) 3-Nitroaniline	14.327	138	398539	41.197	ng	97
54) 2,4-Dinitrophenol	14.539	184	228636	44.285	ng	90
55) Dibenzofuran	14.827	168	2431054	35.995	ng	99
56) 4-Nitrophenol	14.645	139	355037	42.162	ng	89
57) 2,4-Dinitrotoluene	14.792	165	551233	42.139	ng	90
58) Fluorene	15.474	166	1943112	35.337	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.057	232	550105	39.724	ng	98
60) Diethylphthalate	15.251	149	1866942	39.070	ng	98
61) 4-Chlorophenyl-phenyle...	15.468	204	1040083	34.638	ng	95
62) 4-Nitroaniline	15.492	138	408897	36.501	ng	94
63) Azobenzene	15.763	77	1597133	34.992	ng	96
65) 4,6-Dinitro-2-methylph...	15.557	198	317788	41.971	ng	96
66) n-Nitrosodiphenylamine	15.686	169	1590376	36.203	ng	98
67) 4-Bromophenyl-phenylether	16.363	248	612448	36.585	ng	99
68) Hexachlorobenzene	16.486	284	694307	36.882	ng	94
69) Atrazine	16.633	200	387522	40.027	ng	100
70) Pentachlorophenol	16.827	266	486208	41.099	ng	98
71) Phenanthrene	17.210	178	2896338	35.974	ng	100
72) Anthracene	17.304	178	2881649	36.958	ng	100
73) Carbazole	17.574	167	2699142	38.224	ng	99
74) Di-n-butylphthalate	18.139	149	3246507	41.947	ng	98
75) Fluoranthene	19.227	202	3551985	38.320	ng	100
77) Benzidine	19.409	184	959740	56.120	ng	99
78) Pyrene	19.592	202	3668315	36.885	ng	99
80) Butylbenzylphthalate	20.492	149	1409013	45.653	ng	97
81) Benzo(a)anthracene	21.392	228	3465927	36.453	ng	100
82) 3,3'-Dichlorobenzidine	21.315	252	1308203	42.261	ng	98
83) Chrysene	21.456	228	3259283	36.163	ng	100
84) Bis(2-ethylhexyl)phtha...	21.315	149	2078932	43.221	ng	98
85) Di-n-octyl phthalate	22.450	149	3652709	48.859	ng	97
87) Indeno(1,2,3-cd)pyrene	27.809	276	4138776	36.866	ng	99
88) Benzo(b)fluoranthene	23.468	252	3569472	33.977	ng	100
89) Benzo(k)fluoranthene	23.527	252	3455420	33.427	ng	99
90) Benzo(a)pyrene	24.274	252	3145352	35.644	ng	100
91) Dibenzo(a,h)anthracene	27.868	278	3425258	36.620	ng	99
92) Benzo(g,h,i)perylene	28.868	276	3477506	36.910	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

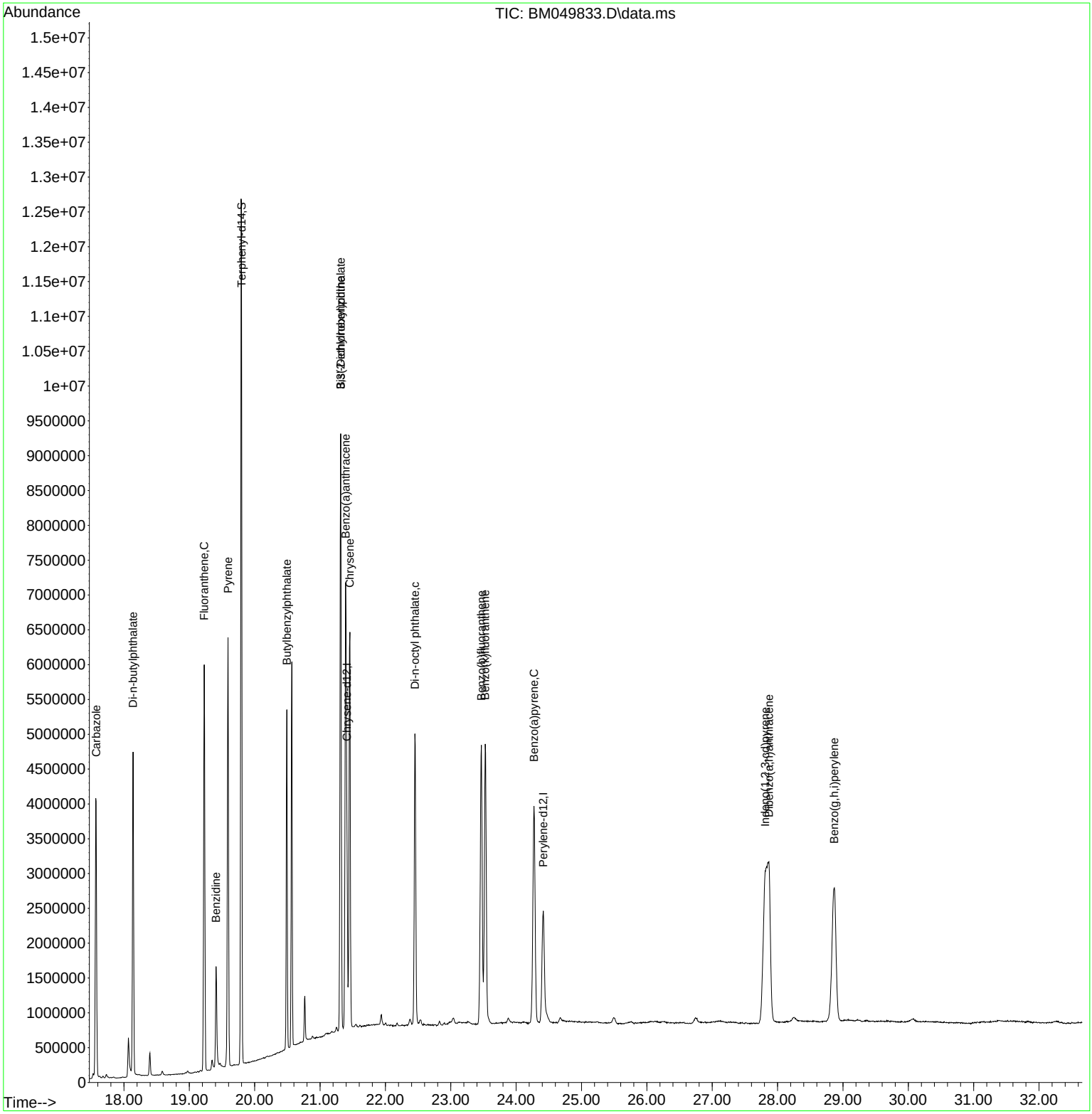
Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

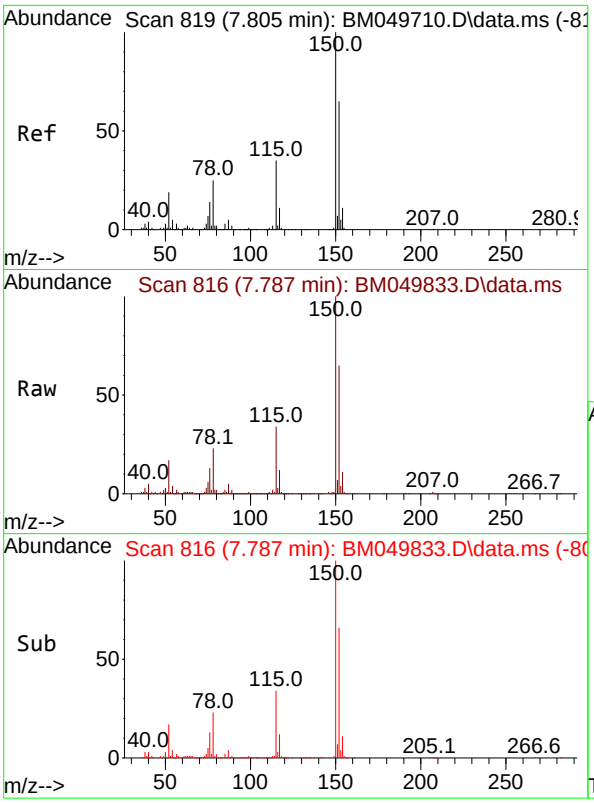


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



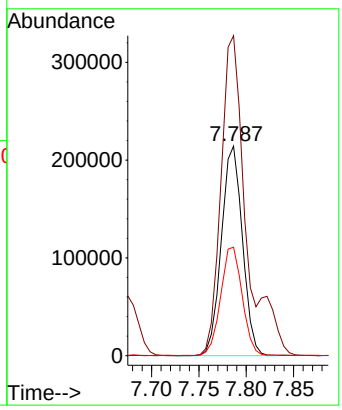


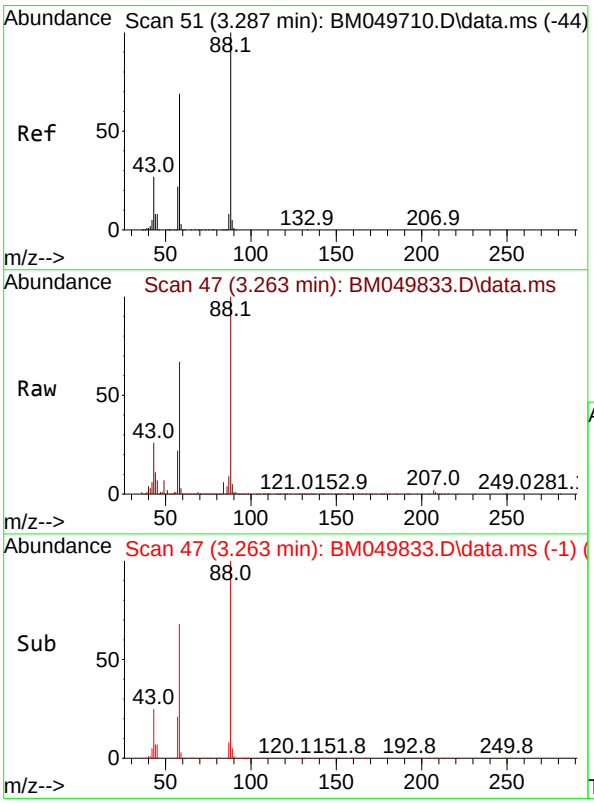
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 332328

Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.8
115	51.8	43.0	64.6

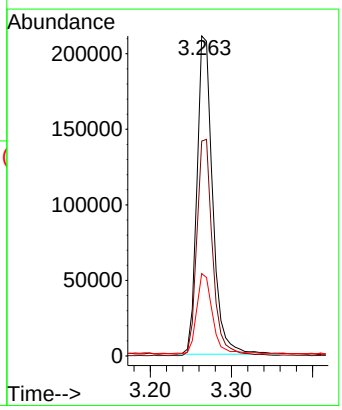


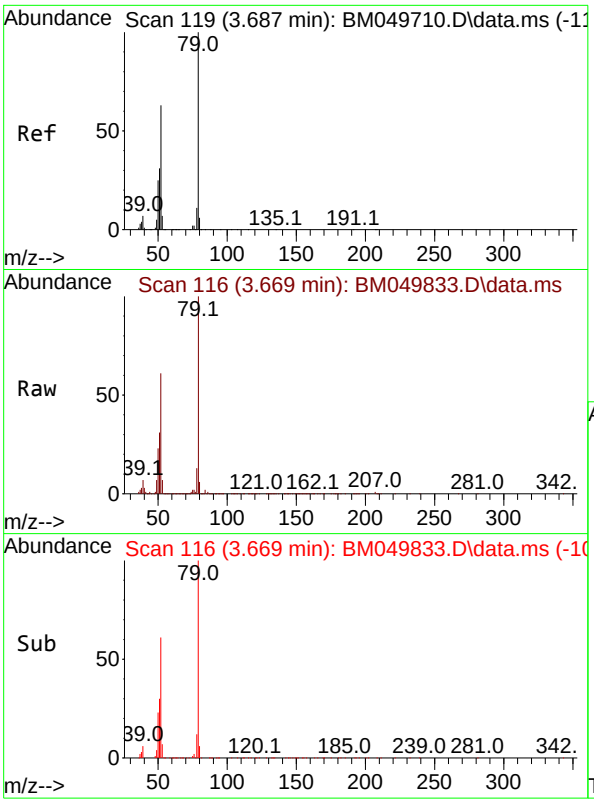


#2
1,4-Dioxane
Concen: 33.198 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion: 88 Resp: 283053

Ion	Ratio	Lower	Upper
88	100		
58	68.2	56.7	85.1
43	25.3	22.6	34.0



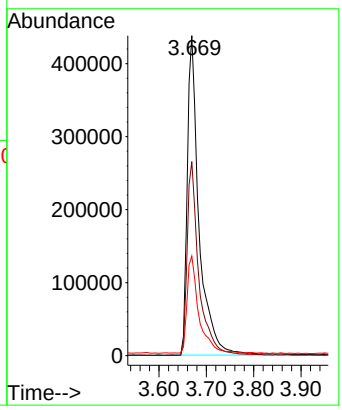


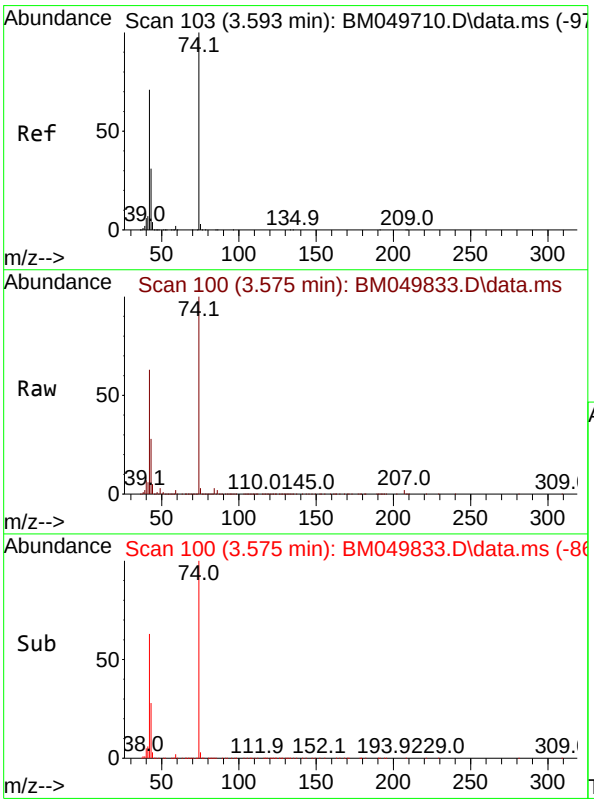
#3
Pyridine
Concen: 34.743 ng
RT: 3.669 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 756514

Ion	Ratio	Lower	Upper
79	100		
52	60.7	50.1	75.1
51	31.1	25.2	37.8

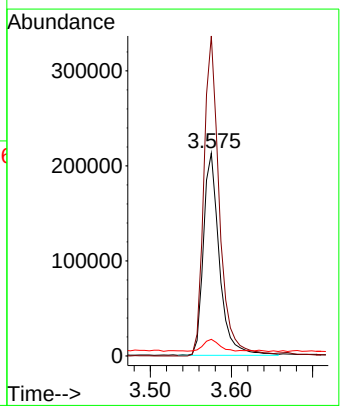


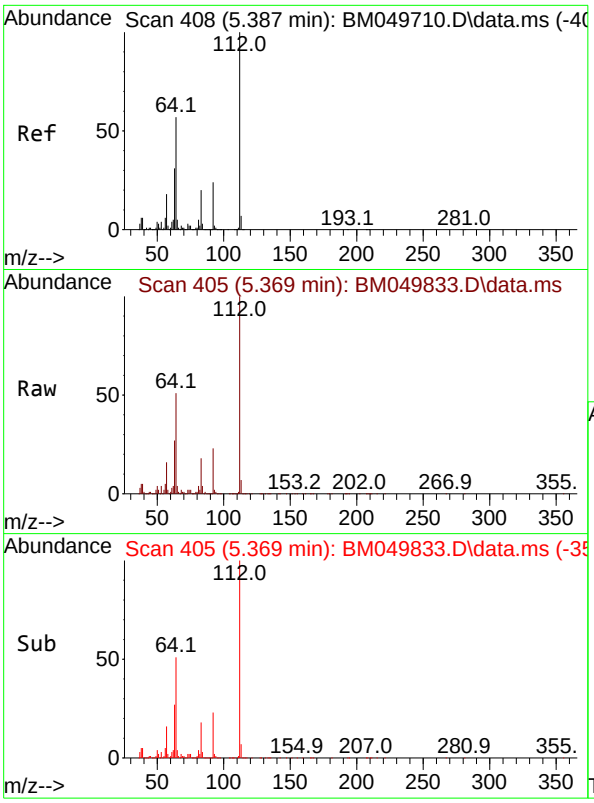


#4
n-Nitrosodimethylamine
Concen: 30.110 ng
RT: 3.575 min Scan# 100
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion: 42 Resp: 290098

Ion	Ratio	Lower	Upper
42	100		
74	157.9	112.6	168.8
44	8.2	5.0	7.6#



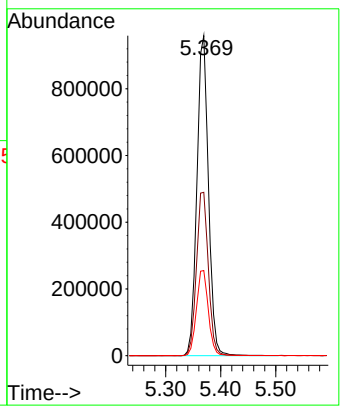


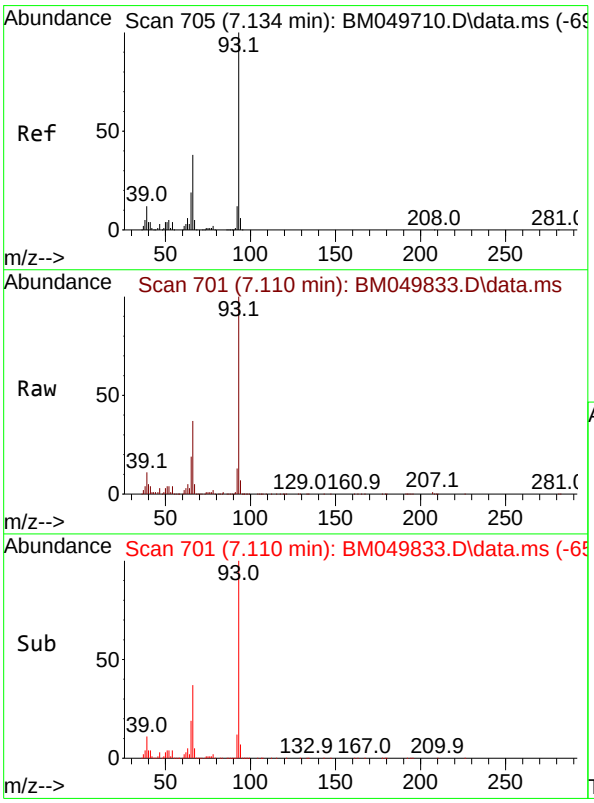
#5
2-Fluorophenol
Concen: 71.055 ng
RT: 5.369 min Scan# 40
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1399472

Ion	Ratio	Lower	Upper
112	100		
64	51.0	45.3	67.9
63	26.6	24.4	36.6

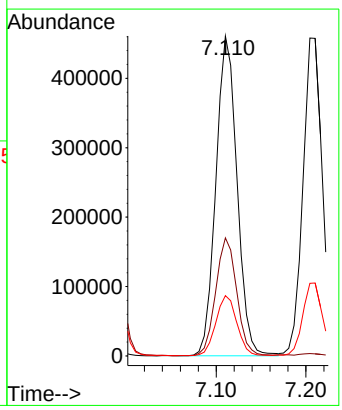


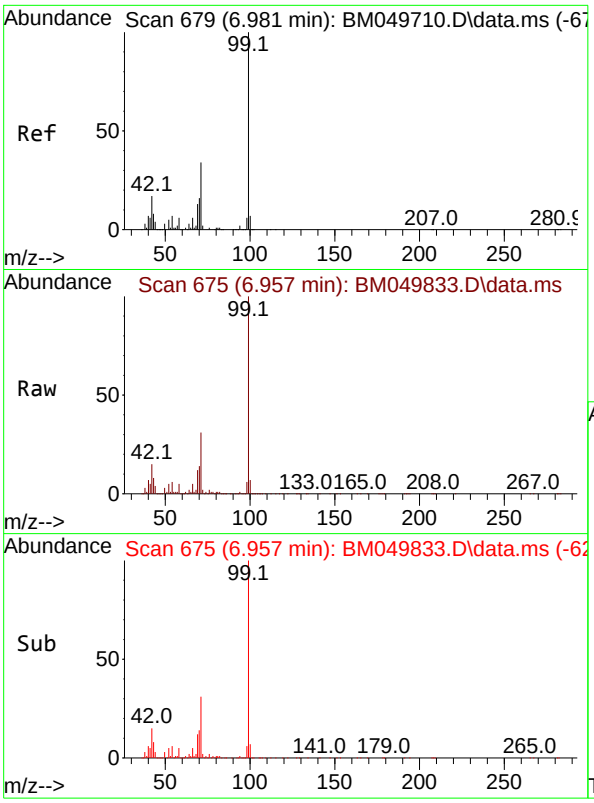


#6
Aniline
Concen: 36.432 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion: 93 Resp: 754406

Ion	Ratio	Lower	Upper
93	100		
66	36.9	30.6	46.0
65	18.9	15.4	23.2



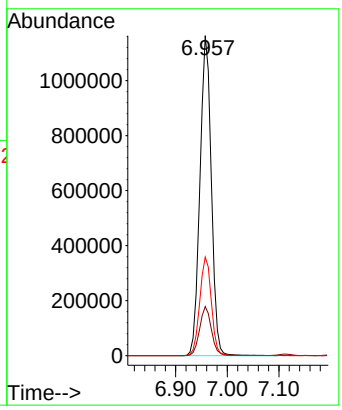


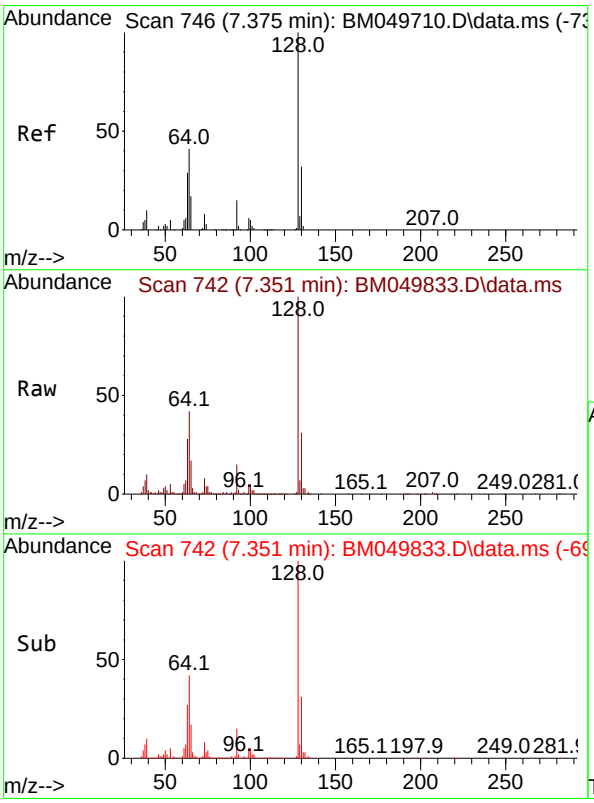
#7
Phenol-d6
Concen: 71.959 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1778597

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.6	20.4
71	30.8	27.0	40.6

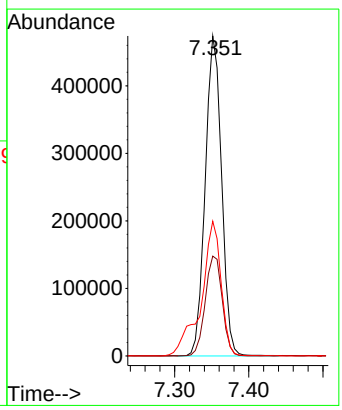


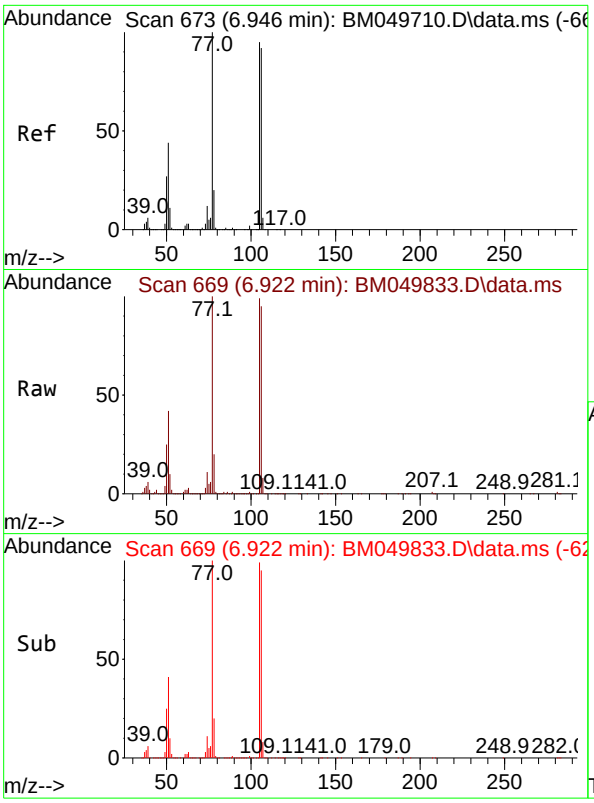


#8
2-Chlorophenol
Concen: 37.269 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:128 Resp: 726903

Ion	Ratio	Lower	Upper
128	100		
130	31.2	12.5	52.5
64	42.1	24.9	64.9



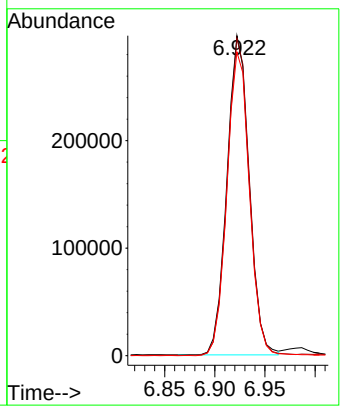


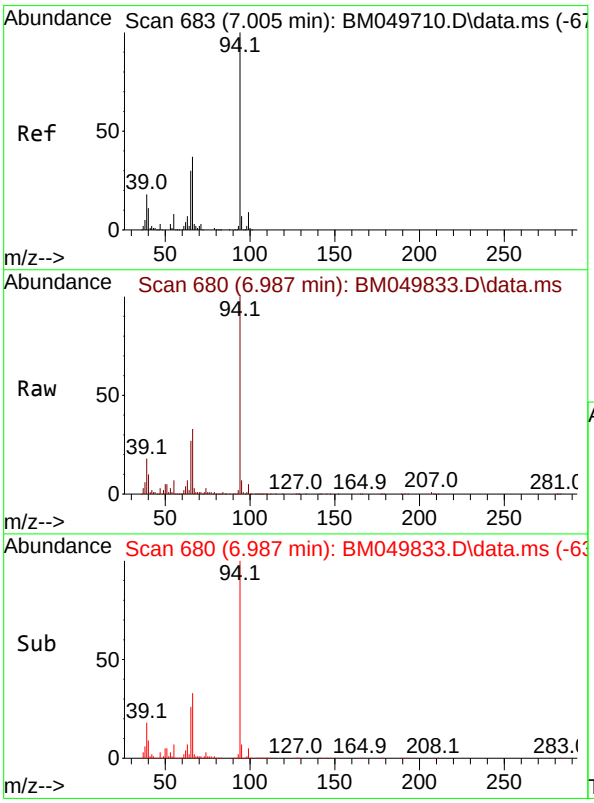
#9
Benzaldehyde
Concen: 37.475 ng
RT: 6.922 min Scan# 6(
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 457911

Ion	Ratio	Lower	Upper
77	100		
105	99.2	75.0	115.0
106	94.9	72.3	112.3

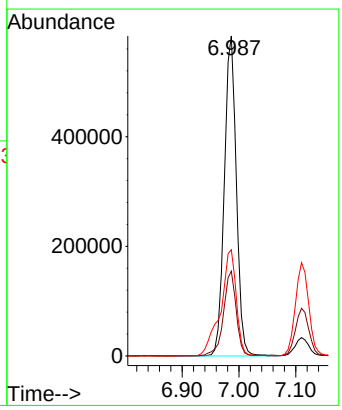


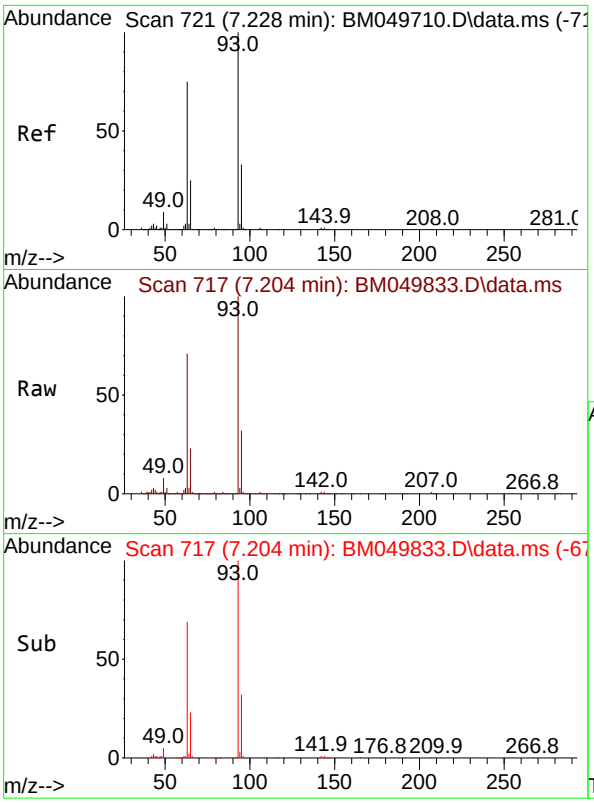


#10
Phenol
Concen: 35.891 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion: 94 Resp: 860185

Ion	Ratio	Lower	Upper
94	100		
65	26.5	10.4	50.4
66	33.2	17.1	57.1



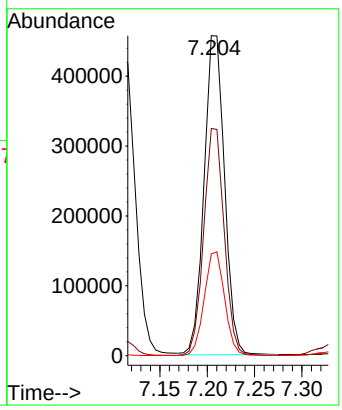


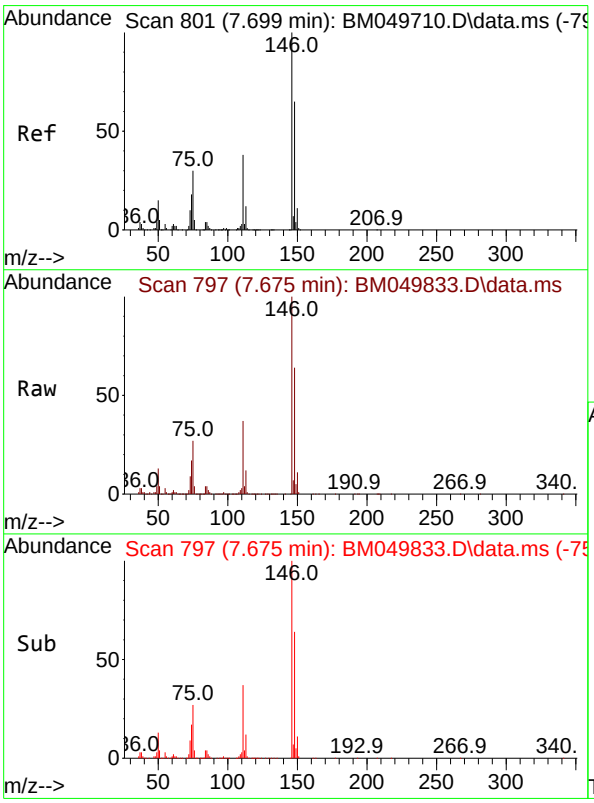
#11
bis(2-Chloroethyl)ether
Concen: 35.363 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 686323

Ion	Ratio	Lower	Upper
93	100		
63	71.0	54.8	94.8
95	31.8	12.8	52.8

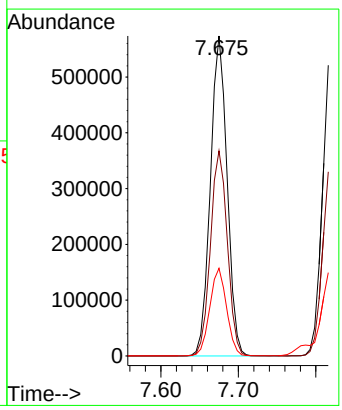


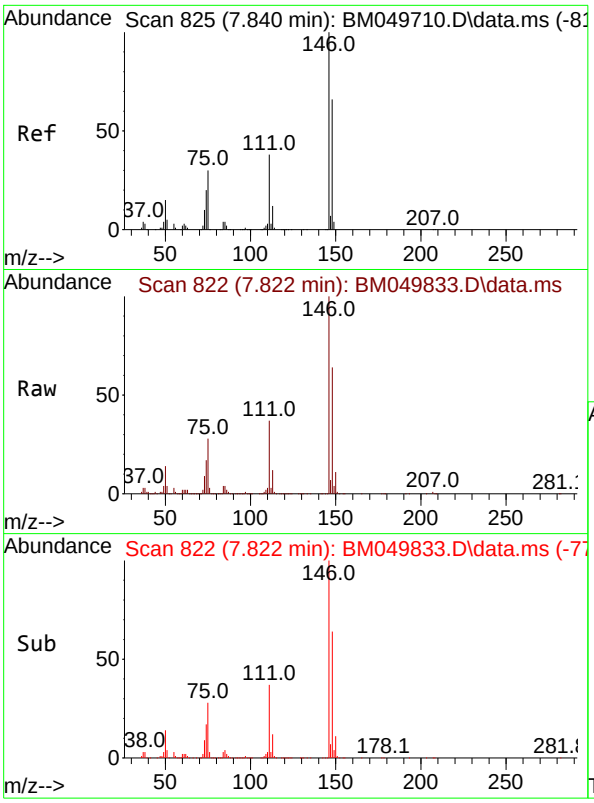


#12
1,3-Dichlorobenzene
Concen: 36.241 ng
RT: 7.675 min Scan# 797
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:146 Resp: 859018

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.3	78.5
75	27.4	24.2	36.2



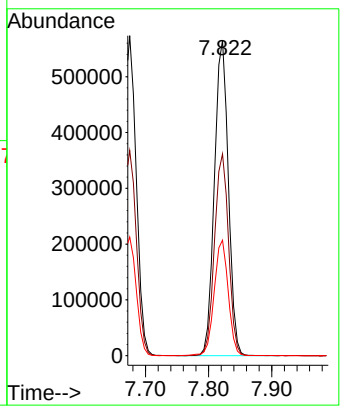


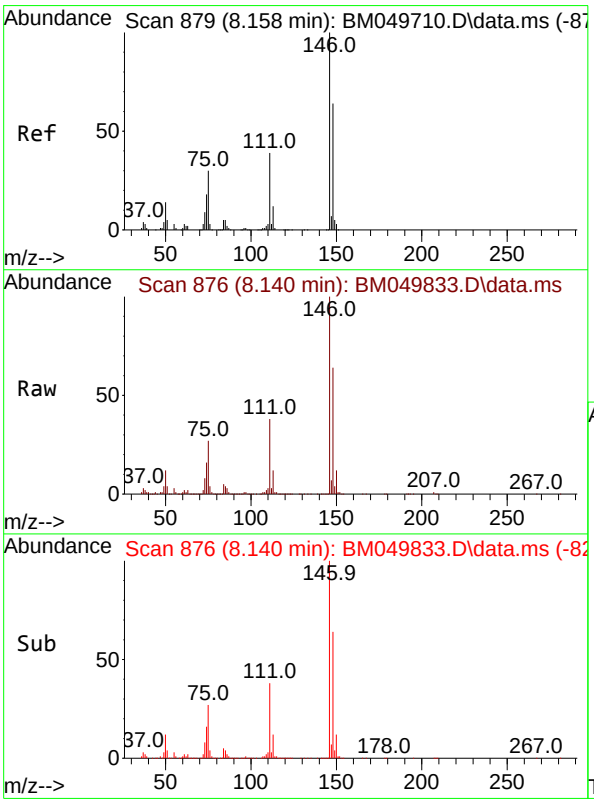
#13
1,4-Dichlorobenzene
Concen: 36.219 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 866084

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.6	79.0
111	36.6	30.8	46.2

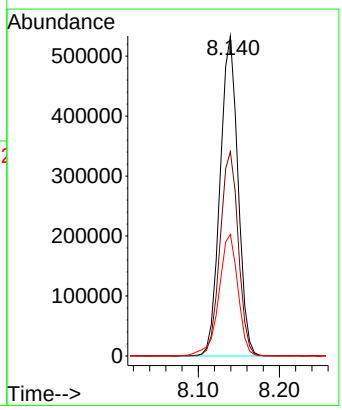


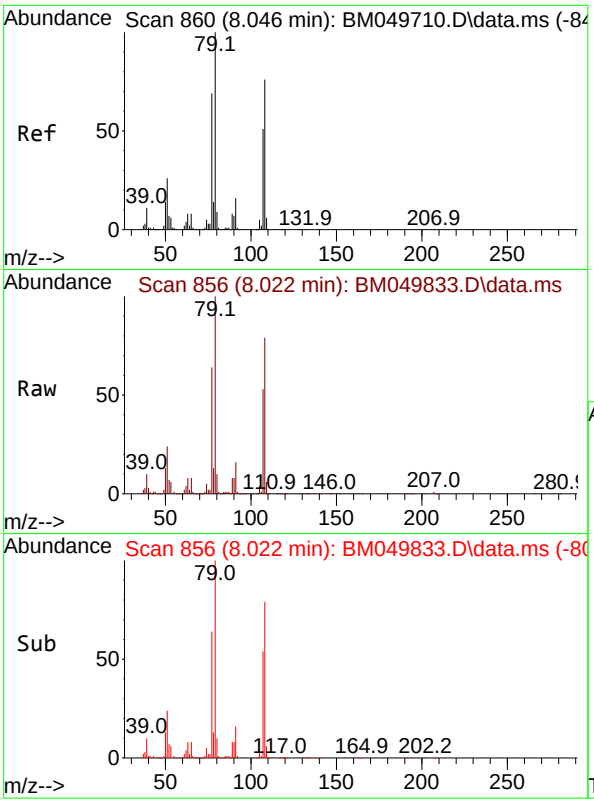


#14
1,2-Dichlorobenzene
Concen: 35.968 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:146 Resp: 817382

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.9	76.3
111	38.0	31.0	46.6



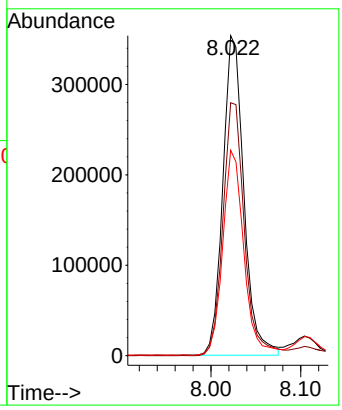


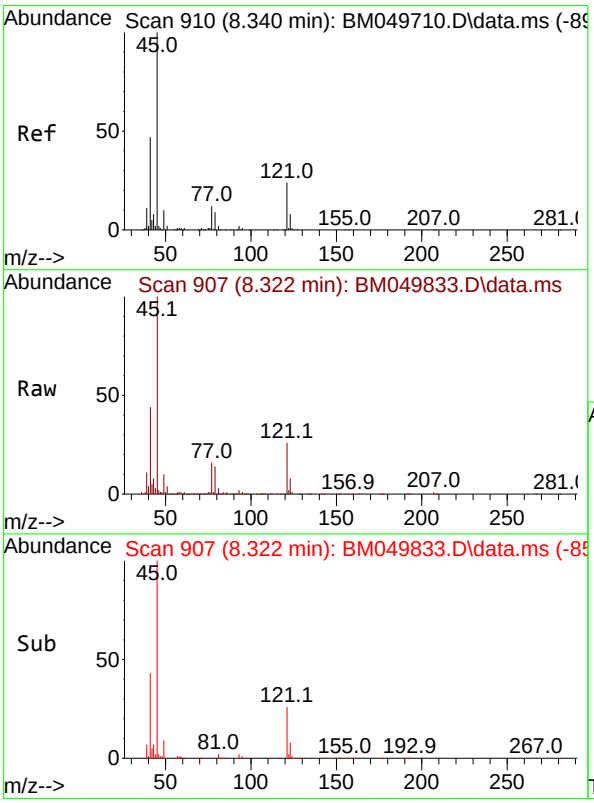
#15
Benzyl Alcohol
Concen: 37.097 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 575405

Ion	Ratio	Lower	Upper
79	100		
108	79.1	60.7	91.1
77	64.2	55.4	83.2

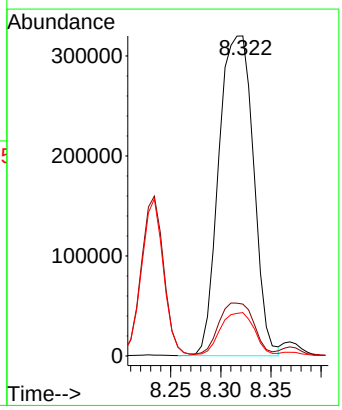


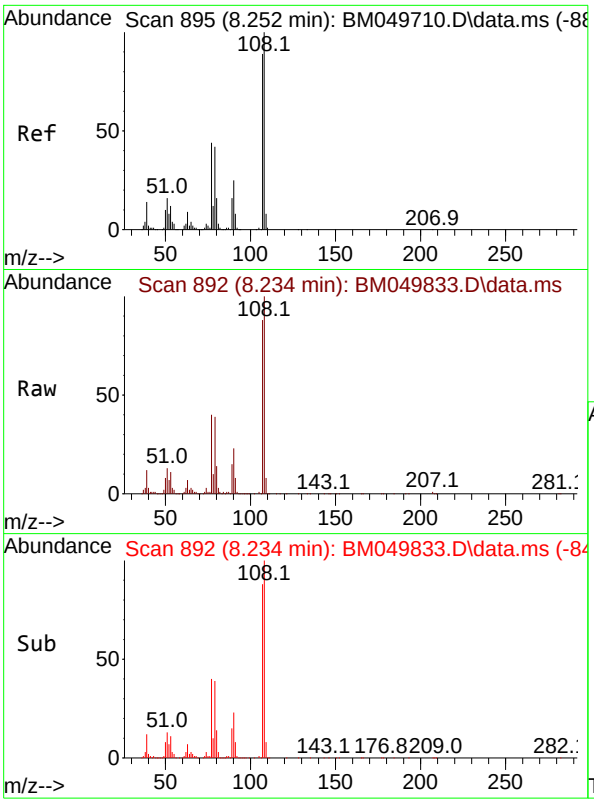


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.701 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion: 45 Resp: 768735

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	36.1
79	13.5	0.0	32.8



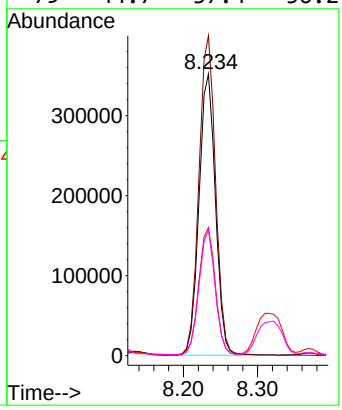


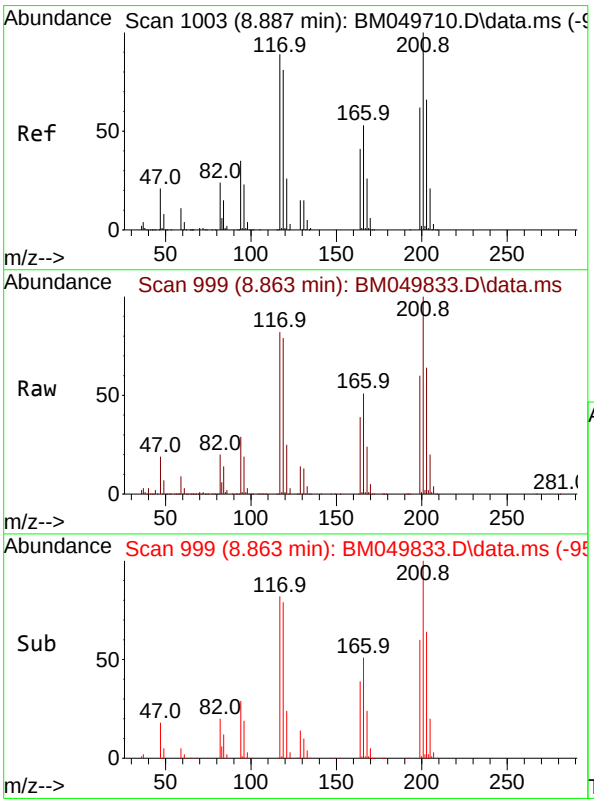
#17
2-Methylphenol
Concen: 38.071 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 541707

Ion	Ratio	Lower	Upper
107	100		
108	113.7	89.6	134.4
77	45.4	39.8	59.6
79	44.7	37.4	56.2

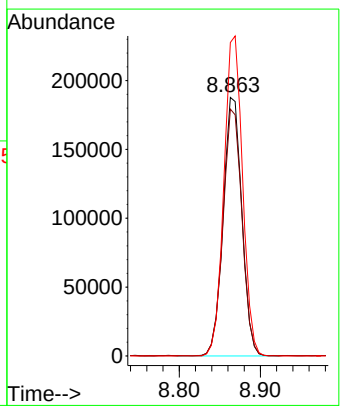


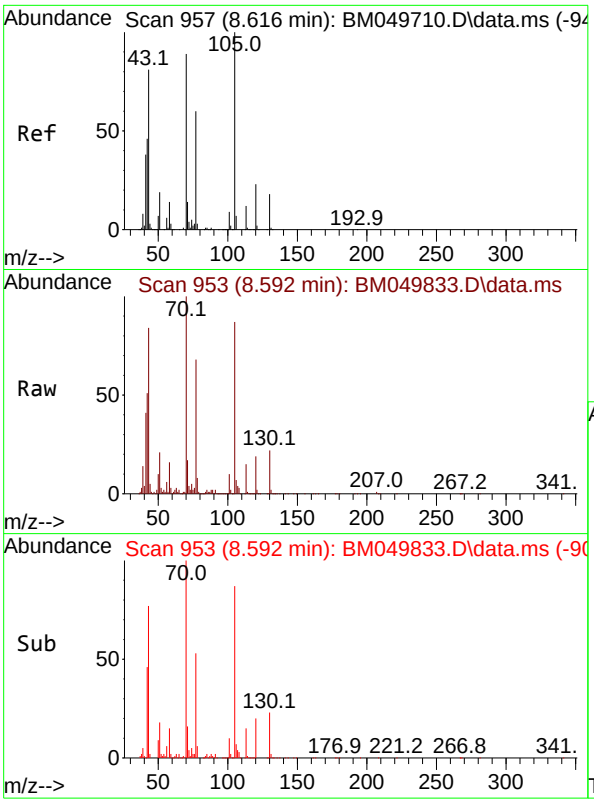


#18
Hexachloroethane
Concen: 35.706 ng
RT: 8.863 min Scan# 999
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:117 Resp: 301517

Ion	Ratio	Lower	Upper
117	100		
119	95.5	73.1	109.7
201	121.2	90.0	135.0



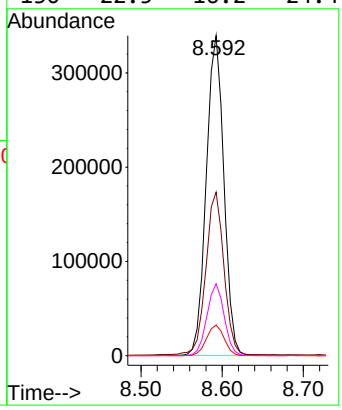


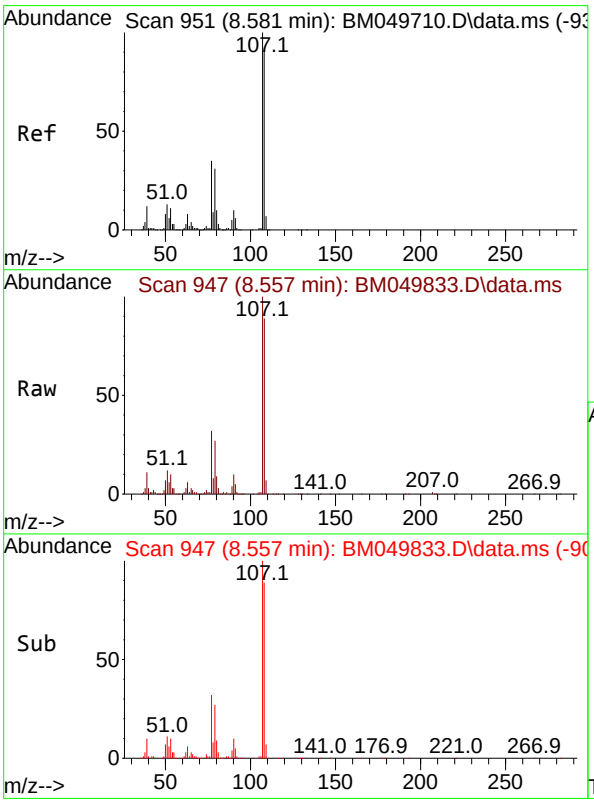
#19
n-Nitroso-di-n-propylamine
Concen: 35.542 ng
RT: 8.592 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 509403

Ion	Ratio	Lower	Upper
70	100		
42	51.1	41.8	62.6
101	9.6	7.7	11.5
130	22.5	16.2	24.4

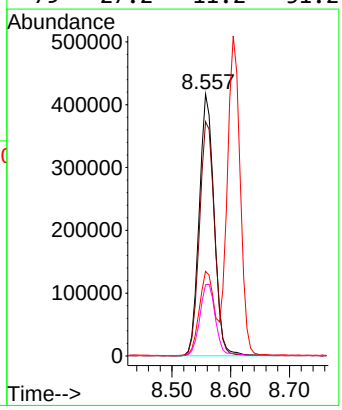


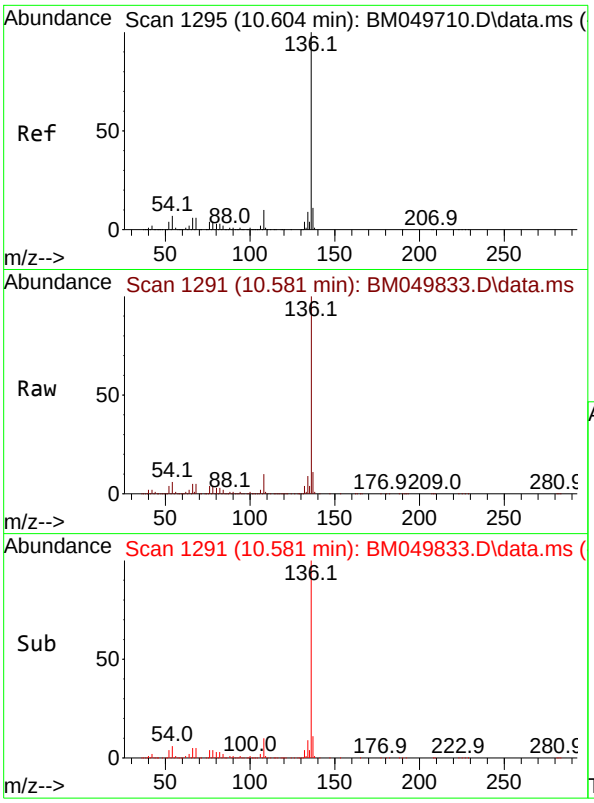


#20
3+4-Methylphenols
Concen: 38.426 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:107 Resp: 732719

Ion	Ratio	Lower	Upper
107	100		
108	89.4	71.0	111.0
77	32.3	15.1	55.1
79	27.2	11.2	51.2



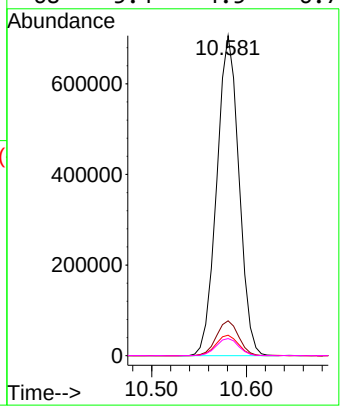


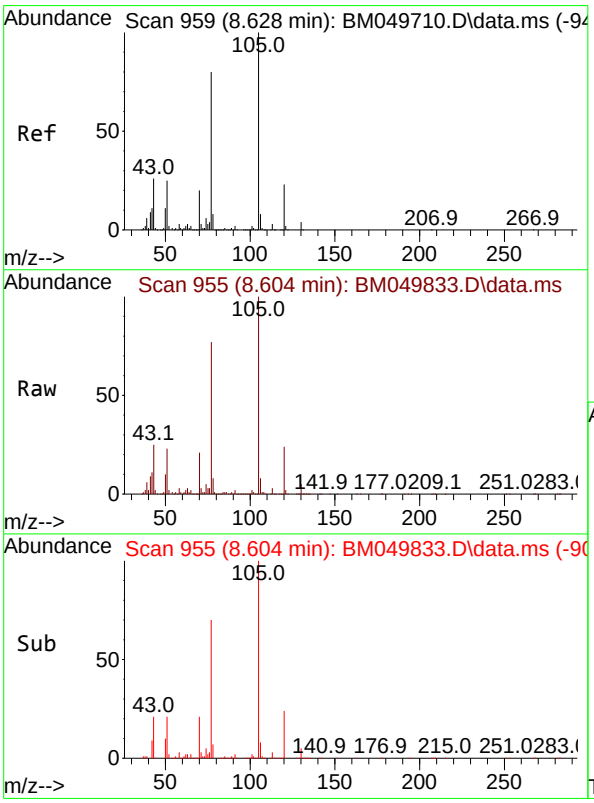
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1151322

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.4	5.8	8.8
68	5.4	4.5	6.7

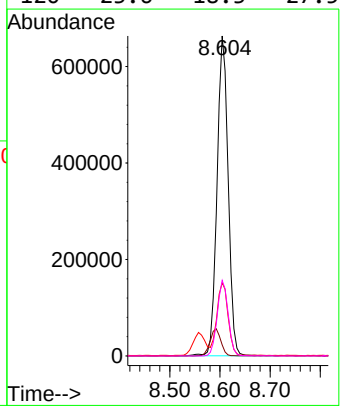


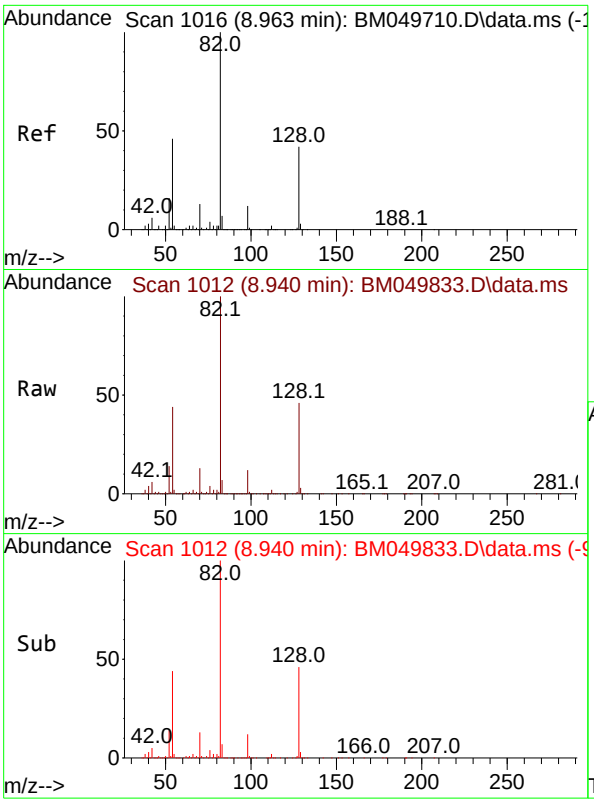


#22
Acetophenone
Concen: 34.476 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:105 Resp: 1023463

Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.5	3.7
51	22.9	19.9	29.9
120	23.6	18.3	27.5



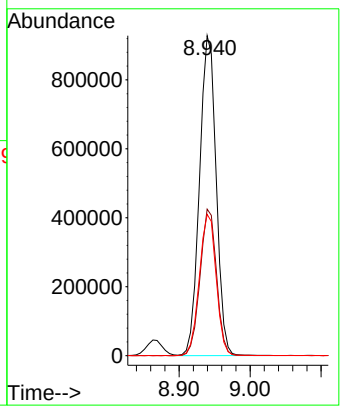


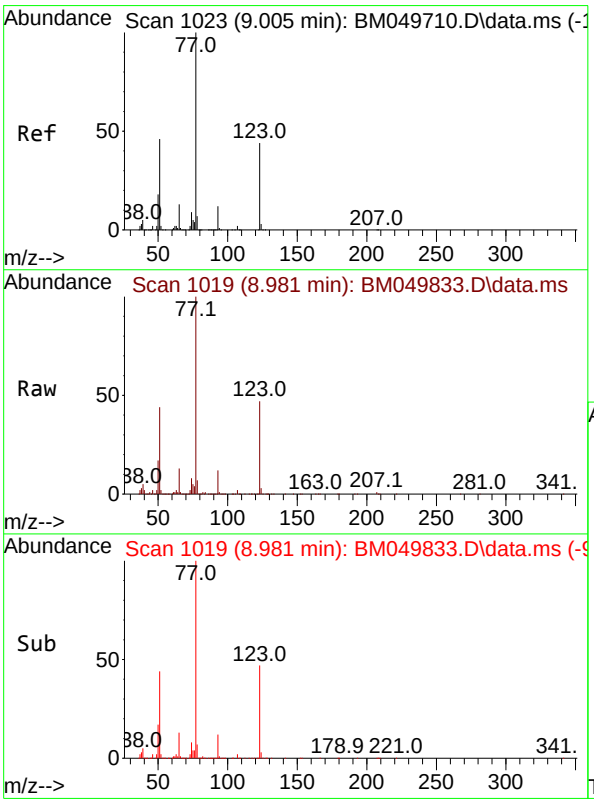
#23
Nitrobenzene-d5
Concen: 67.475 ng
RT: 8.940 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1513111

Ion	Ratio	Lower	Upper
82	100		
128	45.8	33.4	50.0
54	44.2	36.4	54.6

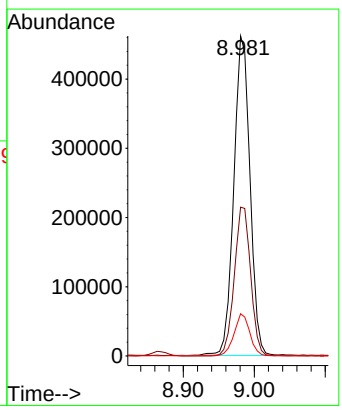


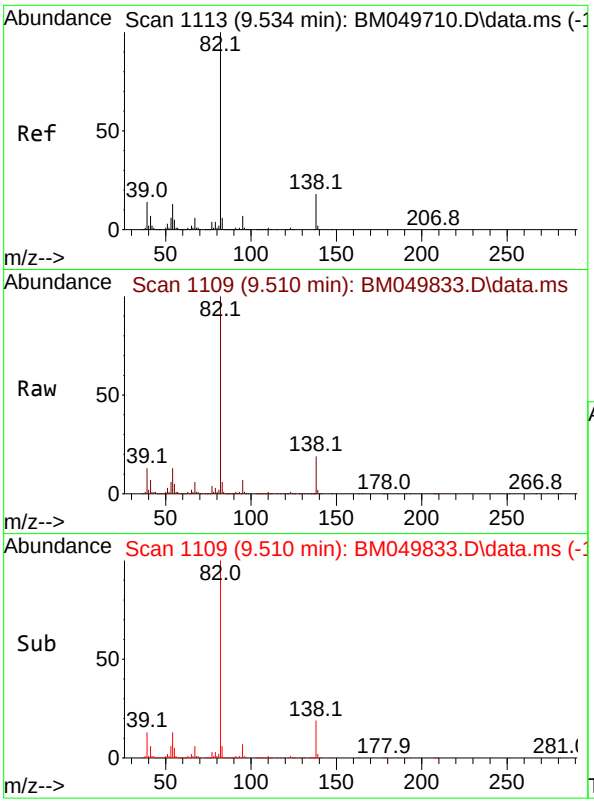


#24
Nitrobenzene
Concen: 34.646 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion: 77 Resp: 732583

Ion	Ratio	Lower	Upper
77	100		
123	46.5	34.9	52.3
65	13.2	10.6	15.8



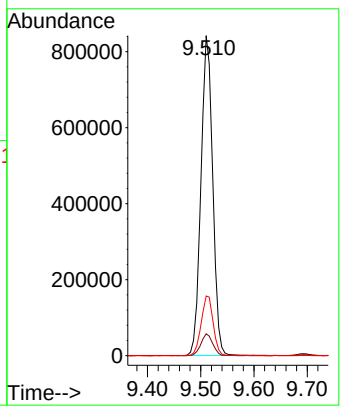


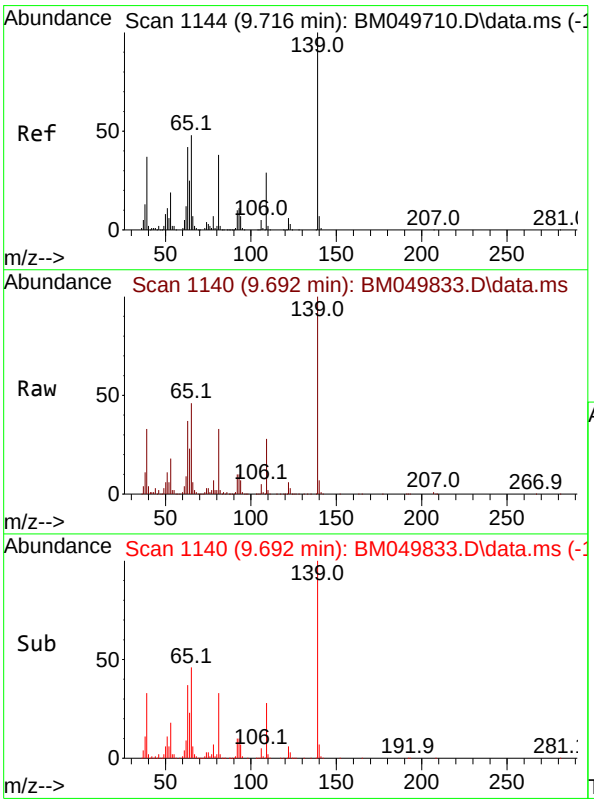
#25
Isophorone
Concen: 37.434 ng
RT: 9.510 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1288869

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.7	14.4	21.6

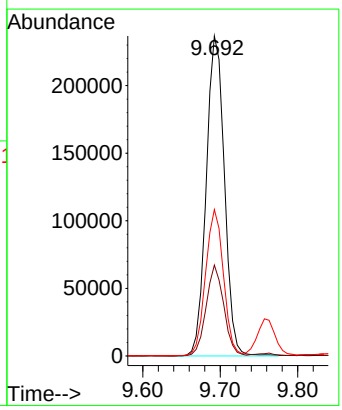


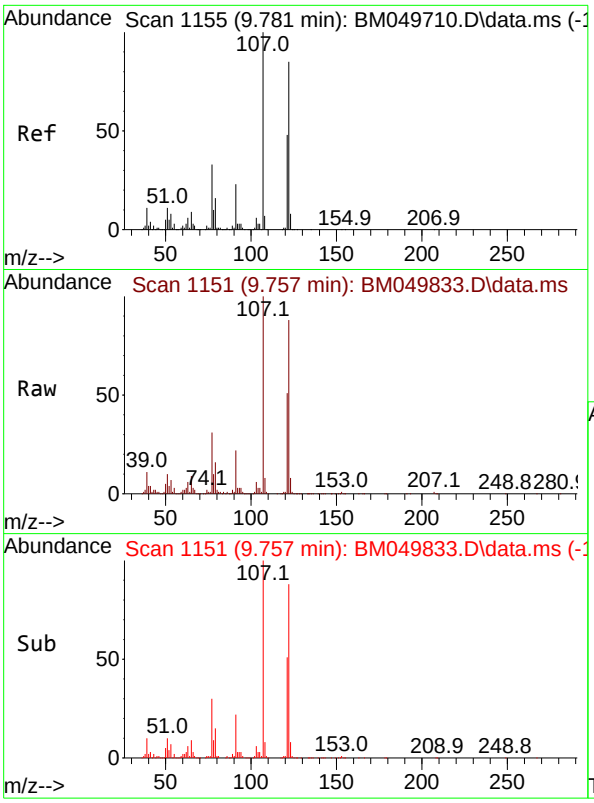


#26
2-Nitrophenol
Concen: 42.847 ng
RT: 9.692 min Scan# 1140
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:139 Resp: 385614

Ion	Ratio	Lower	Upper
139	100		
109	28.4	23.3	34.9
65	45.8	38.6	58.0



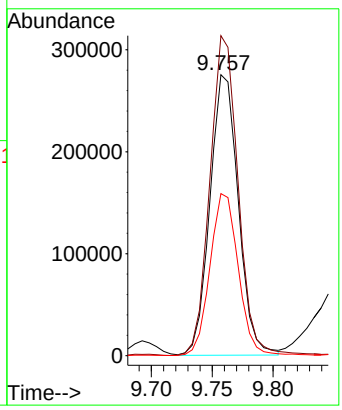


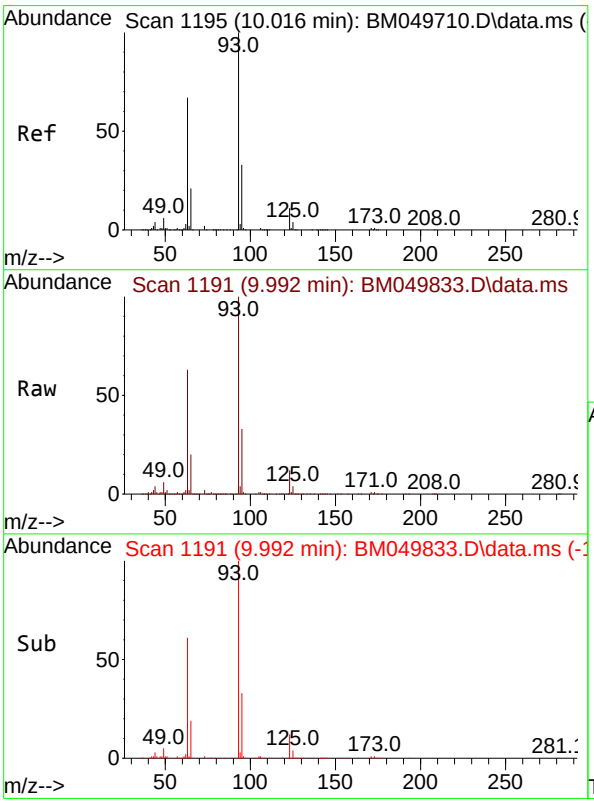
#27
2,4-Dimethylphenol
Concen: 39.036 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 447179

Ion	Ratio	Lower	Upper
122	100		
107	113.9	94.3	141.5
121	57.7	45.4	68.2

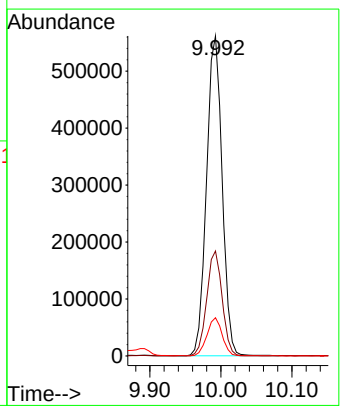


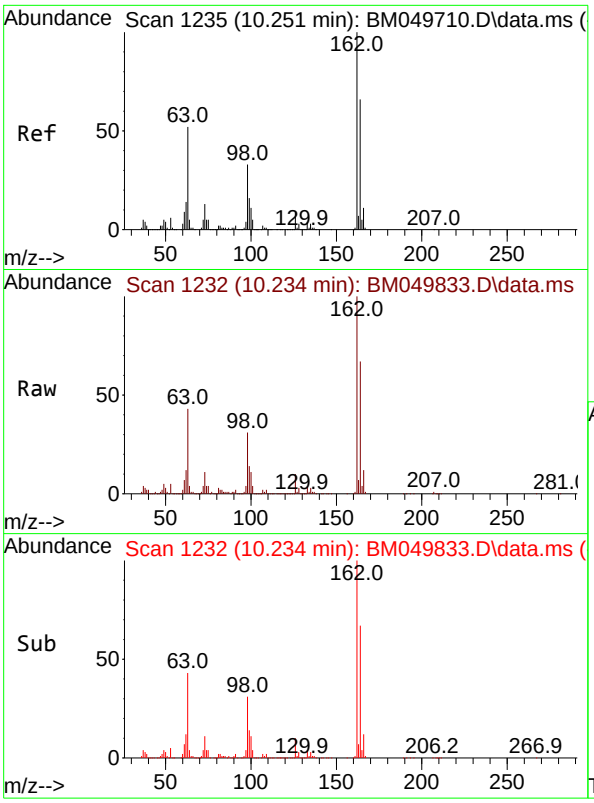


#28
bis(2-Chloroethoxy)methane
Concen: 35.434 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion: 93 Resp: 859269

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	11.9	9.0	13.6



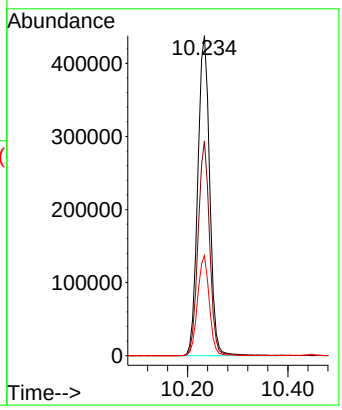


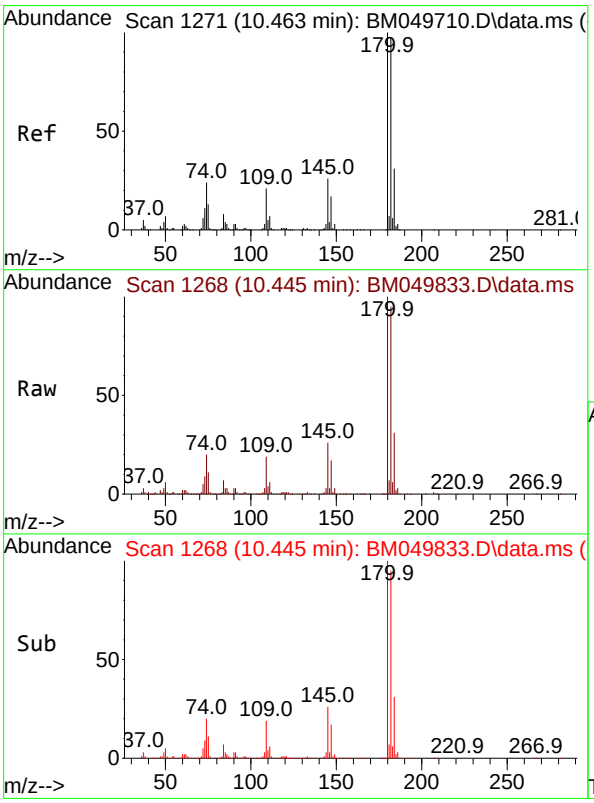
#29
2,4-Dichlorophenol
Concen: 38.660 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 721646

Ion	Ratio	Lower	Upper
162	100		
164	67.1	46.3	86.3
98	31.3	12.8	52.8

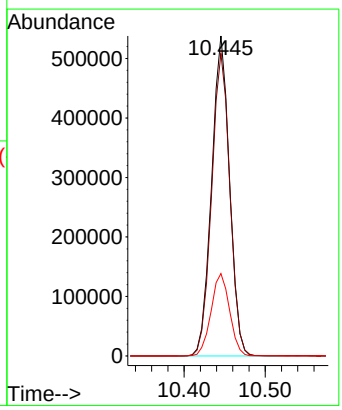


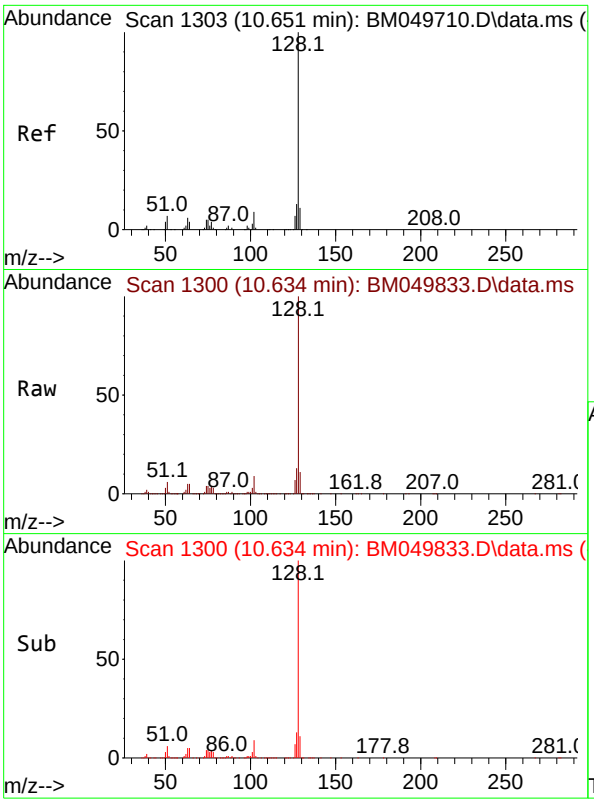


#30
1,2,4-Trichlorobenzene
Concen: 35.412 ng
RT: 10.445 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:180 Resp: 827025

Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.7	116.5
145	25.8	21.0	31.4



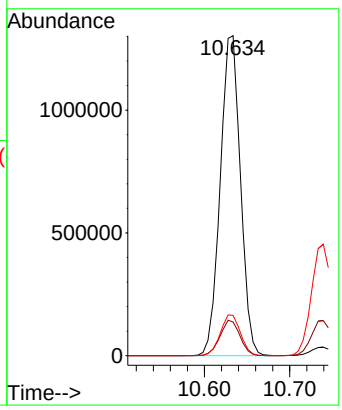


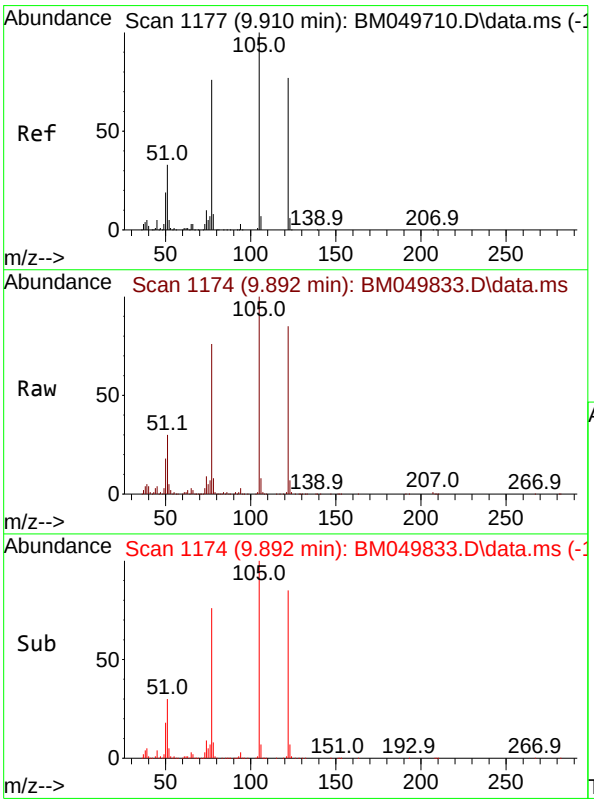
#31
Naphthalene
Concen: 36.205 ng
RT: 10.634 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2143371

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	12.6	10.4	15.6

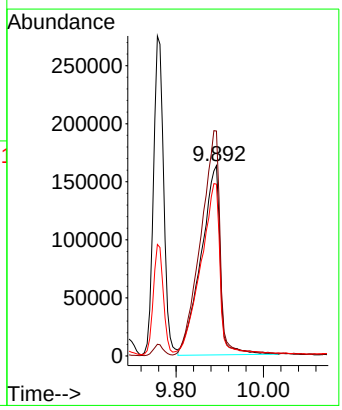


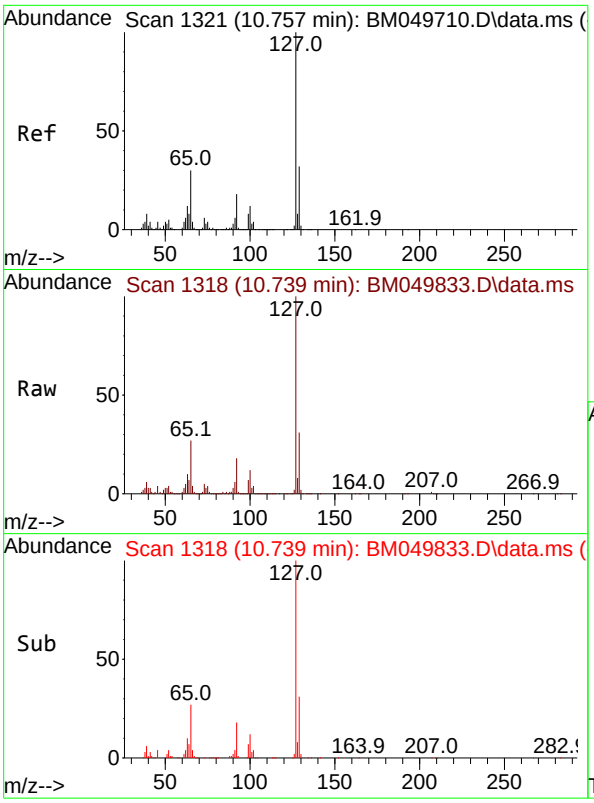


#32
Benzoic acid
Concen: 51.174 ng
RT: 9.892 min Scan# 1174
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:122 Resp: 498567

Ion	Ratio	Lower	Upper
122	100		
105	118.3	105.6	145.6
77	90.3	76.9	116.9



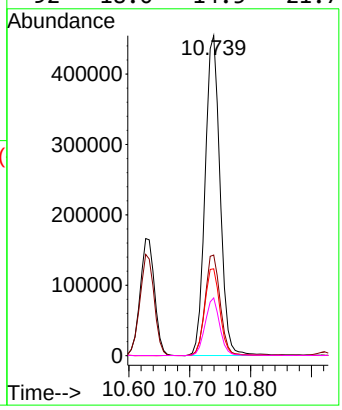


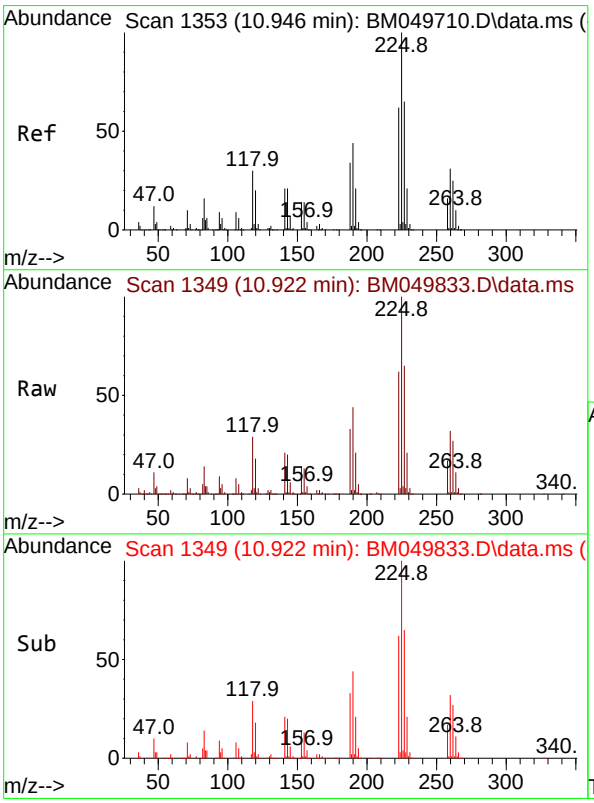
#33
4-Chloroaniline
Concen: 38.416 ng
RT: 10.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 776169

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.7	38.5
65	27.2	24.1	36.1
92	18.0	14.5	21.7

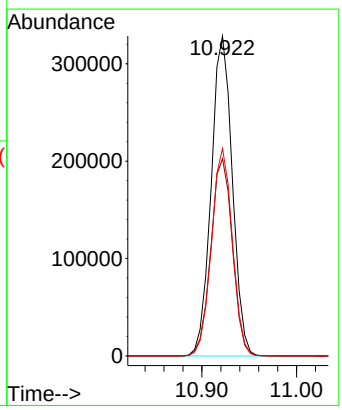


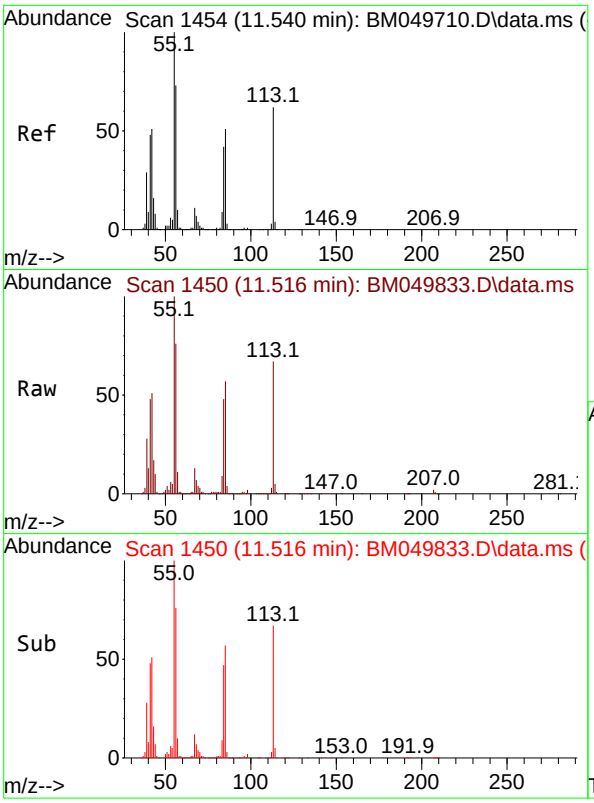


#34
Hexachlorobutadiene
Concen: 35.250 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:225 Resp: 508216

Ion	Ratio	Lower	Upper
225	100		
223	61.6	49.8	74.8
227	64.8	52.1	78.1



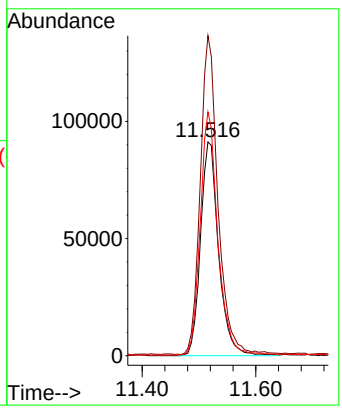


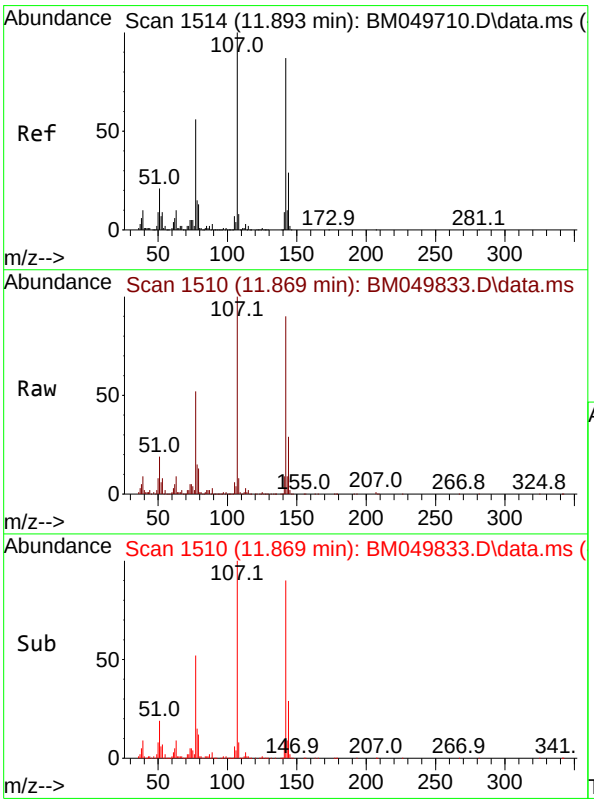
#35
Caprolactam
Concen: 46.408 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 201123

Ion	Ratio	Lower	Upper
113	100		
55	149.6	141.8	181.8
56	114.0	98.0	138.0

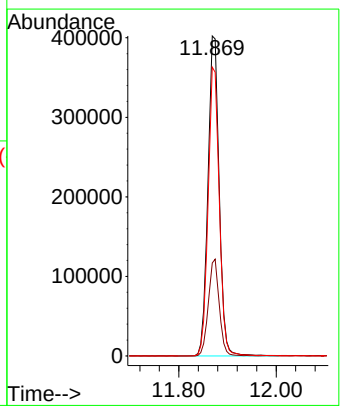


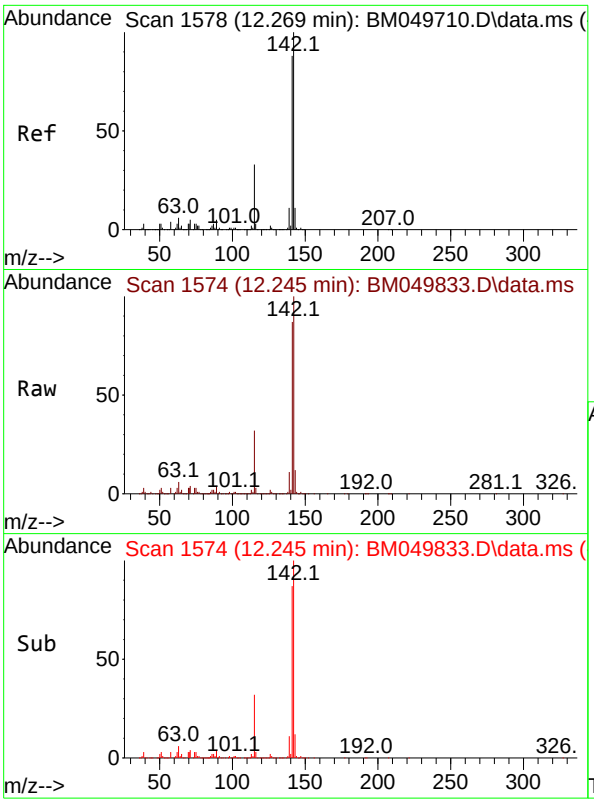


#36
4-Chloro-3-methylphenol
Concen: 40.077 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:107 Resp: 641998

Ion	Ratio	Lower	Upper
107	100		
144	29.1	23.0	34.6
142	90.2	69.8	104.8



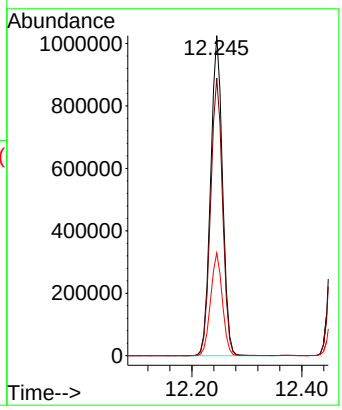


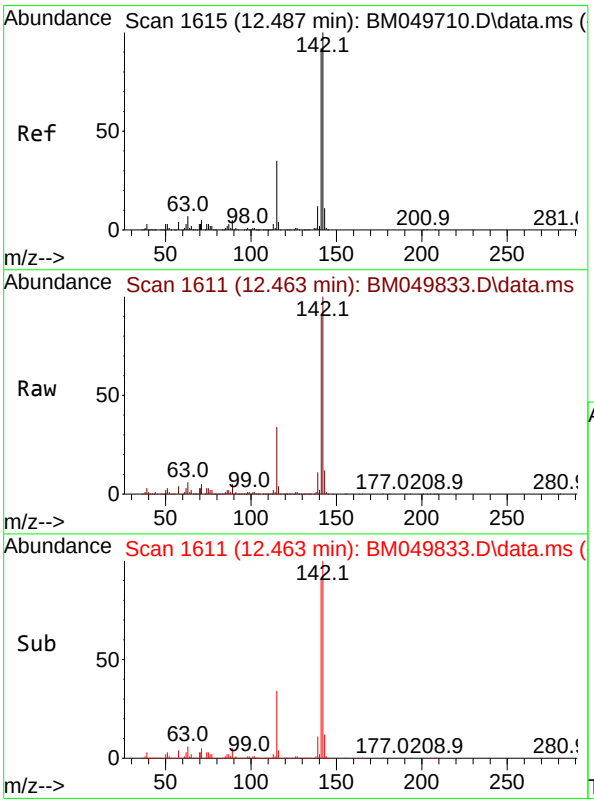
#37
2-Methylnaphthalene
Concen: 37.054 ng
RT: 12.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1533920

Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.5	105.7
115	32.1	26.5	39.7

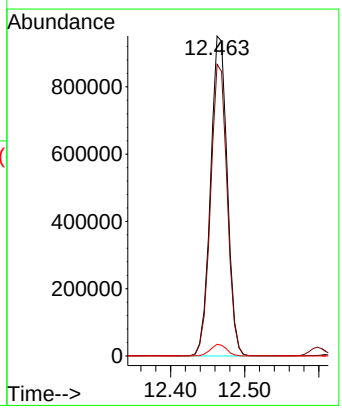


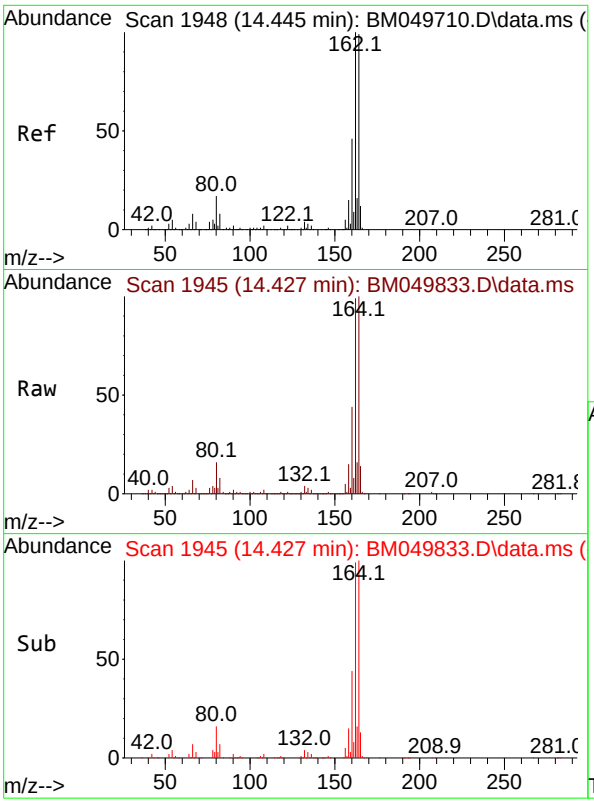


#38
1-Methylnaphthalene
Concen: 37.141 ng
RT: 12.463 min Scan# 1611
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:142 Resp: 1483399

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.4	110.2
116	3.7	2.8	4.2



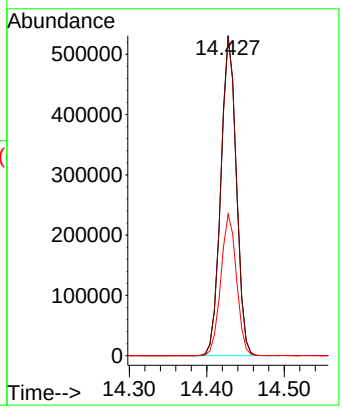


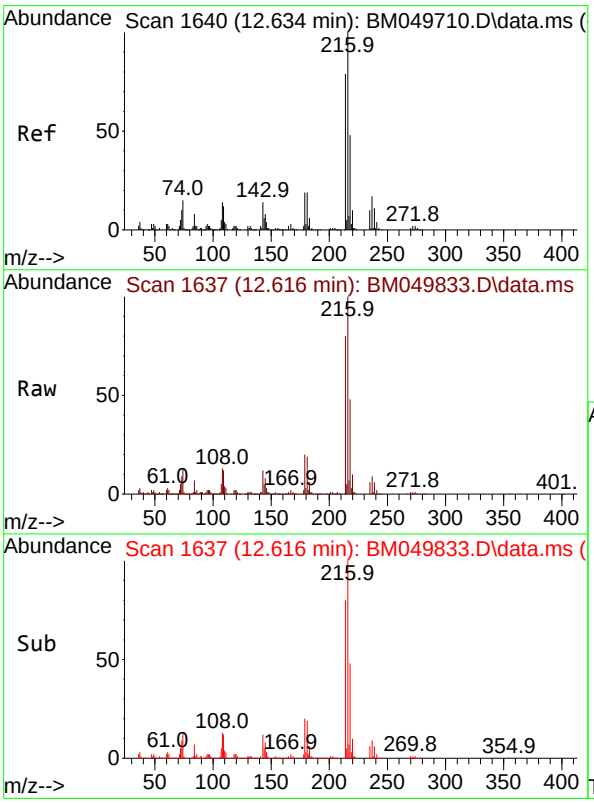
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 736916

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.5	120.7
160	44.2	36.9	55.3

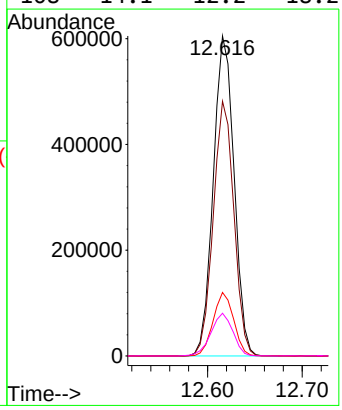


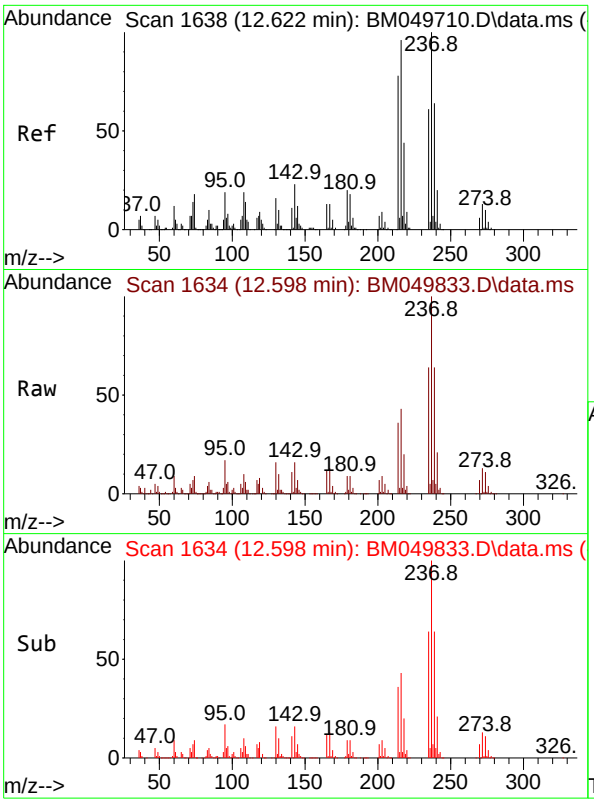


#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.160 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:216 Resp: 924658

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.5	95.3
179	19.7	15.7	23.5
108	14.1	12.2	18.2



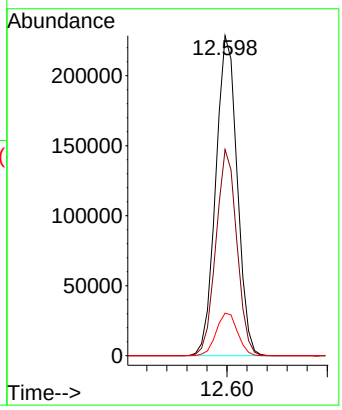


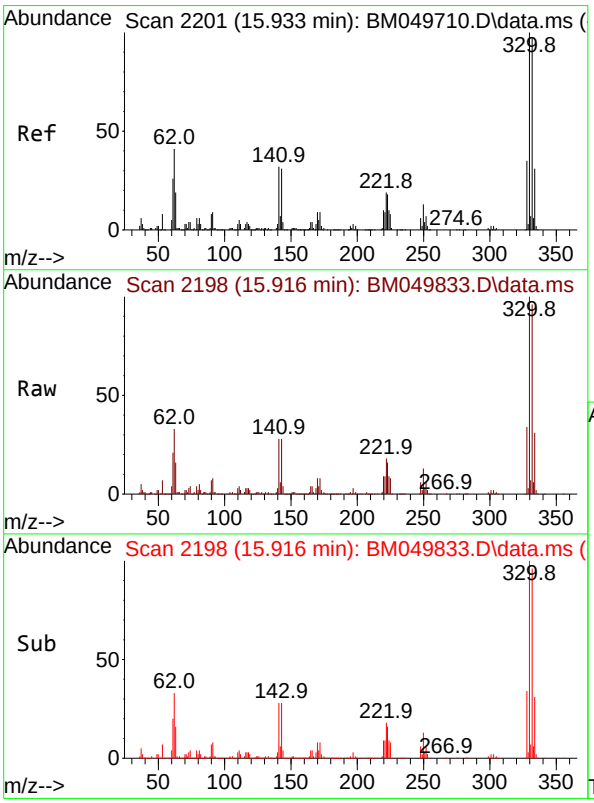
#41
Hexachlorocyclopentadiene
Concen: 33.719 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 338133

Ion	Ratio	Lower	Upper
237	100		
235	64.4	41.1	81.1
272	13.3	0.0	32.5

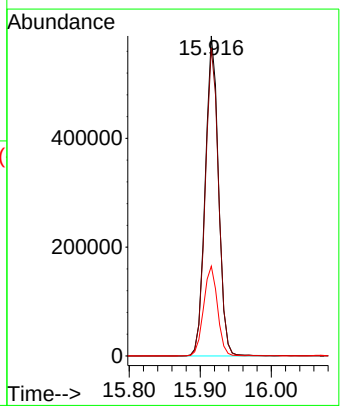


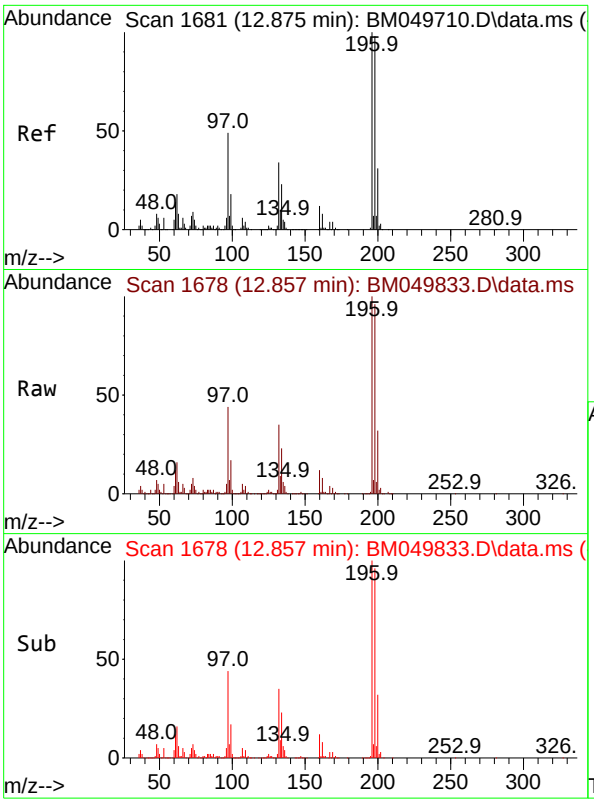


#42
2,4,6-Tribromophenol
Concen: 88.756 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.017 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:330 Resp: 763739

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.4
141	29.4	27.8	41.6



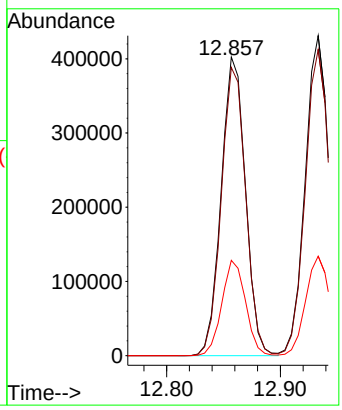


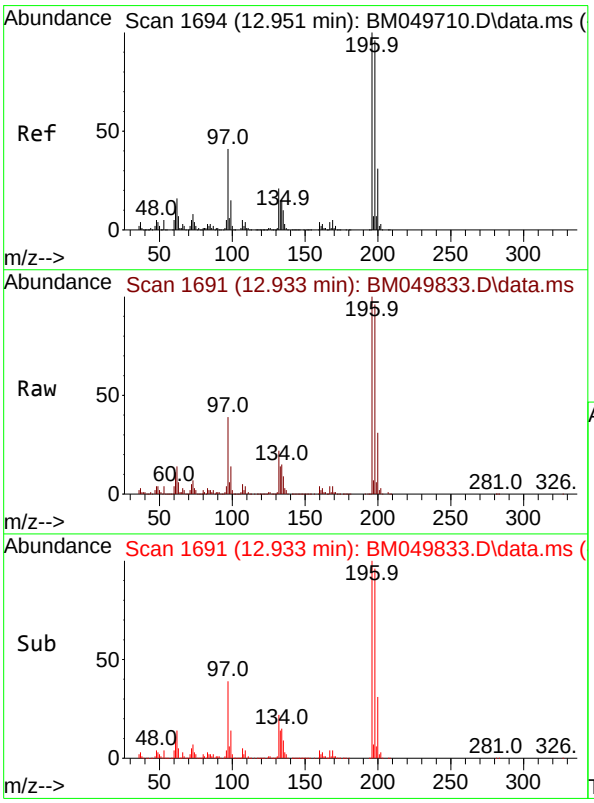
#43
2,4,6-Trichlorophenol
Concen: 39.511 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 598996

Ion	Ratio	Lower	Upper
196	100		
198	96.4	78.3	117.5
200	31.9	25.1	37.7

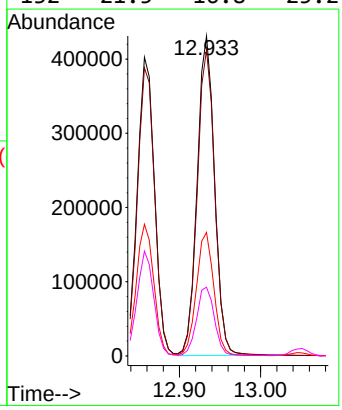


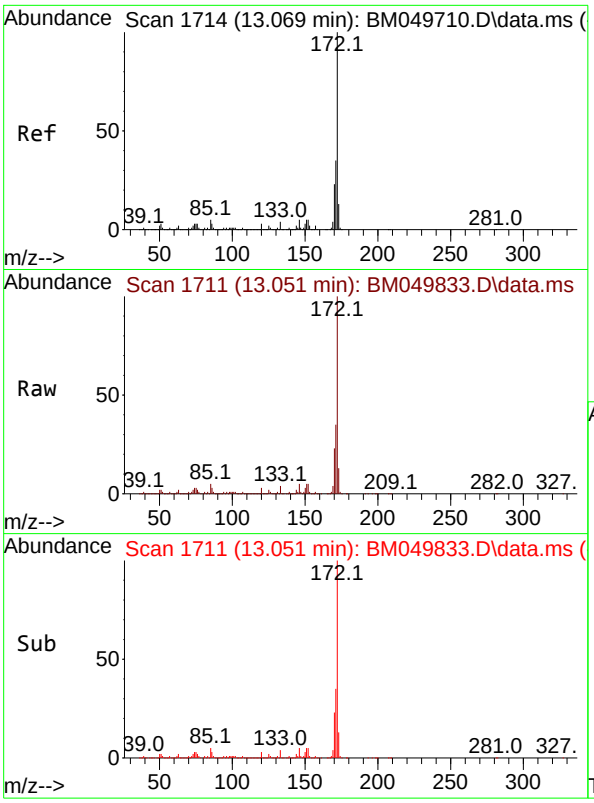


#44
2,4,5-Trichlorophenol
Concen: 38.849 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:196 Resp: 642703

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.7	115.1
97	38.6	32.9	49.3
132	21.5	16.8	25.2



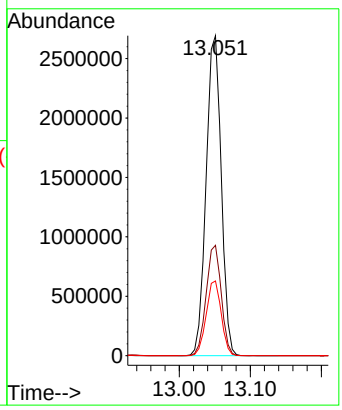


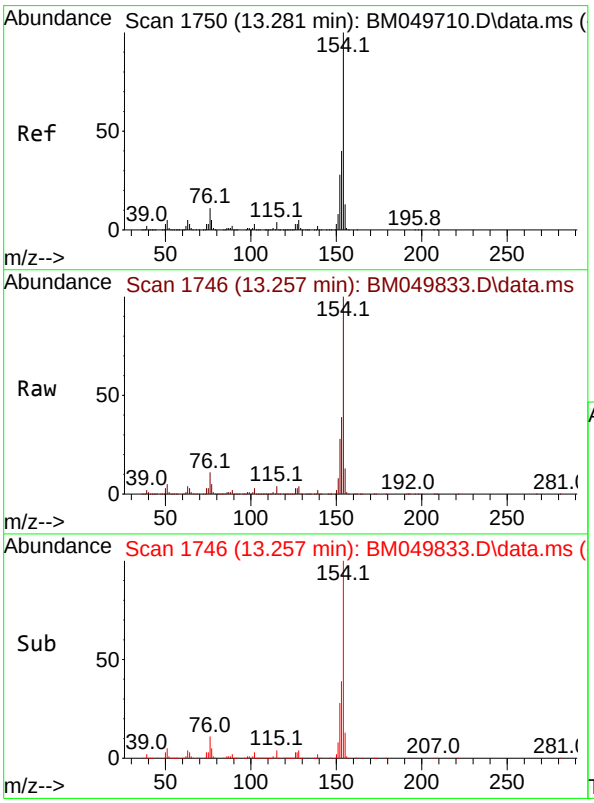
#45
2-Fluorobiphenyl
Concen: 67.690 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3982946

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.9	41.9
170	23.4	18.6	28.0

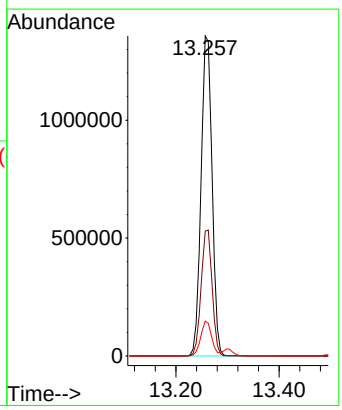


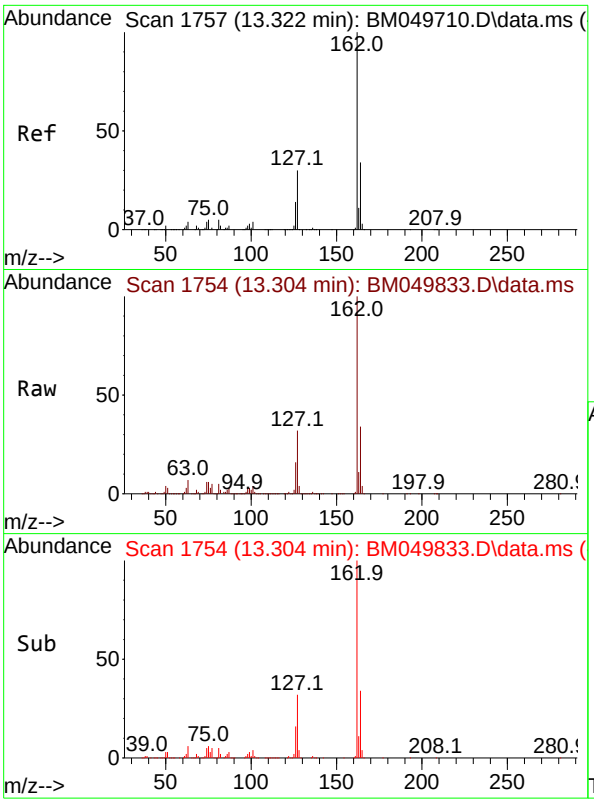


#46
1,1'-Biphenyl
Concen: 35.346 ng
RT: 13.257 min Scan# 1746
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:154 Resp: 2007470

Ion	Ratio	Lower	Upper
154	100		
153	39.0	19.7	59.7
76	10.9	0.0	31.2



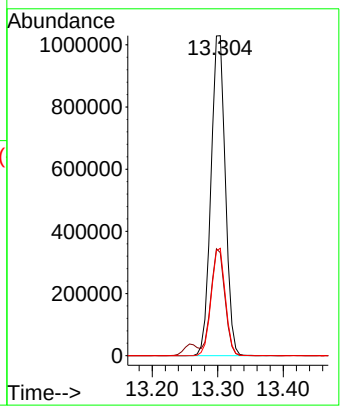


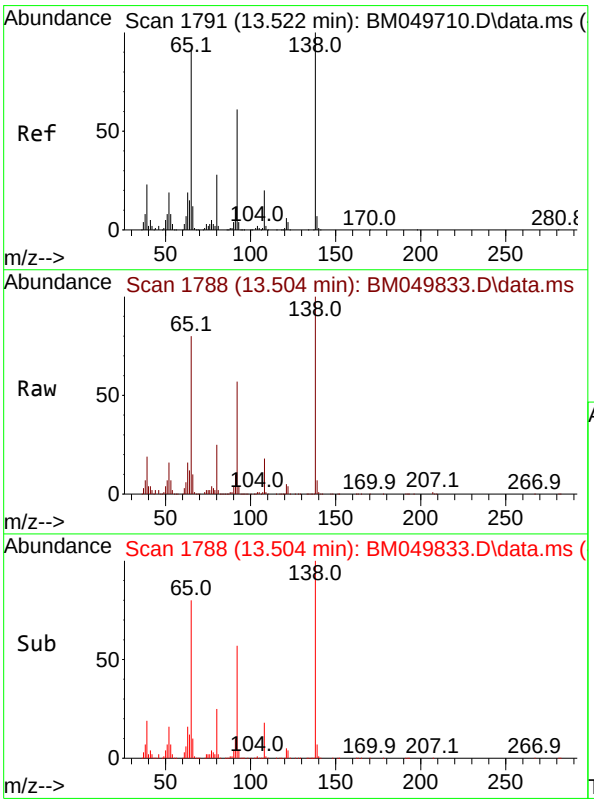
#47
2-Chloronaphthalene
Concen: 35.335 ng
RT: 13.304 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1562072

Ion	Ratio	Lower	Upper
162	100		
127	32.2	25.8	38.6
164	33.6	27.1	40.7

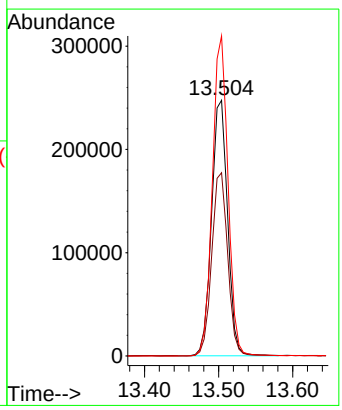


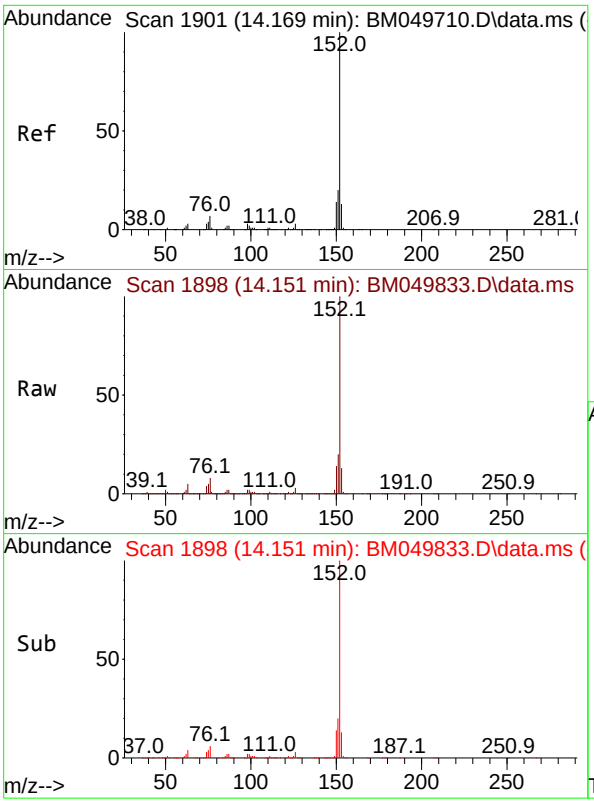


#48
2-Nitroaniline
Concen: 37.457 ng
RT: 13.504 min Scan# 1788
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion: 65 Resp: 371718

Ion	Ratio	Lower	Upper
65	100		
92	71.7	53.4	80.2
138	125.1	87.6	131.4



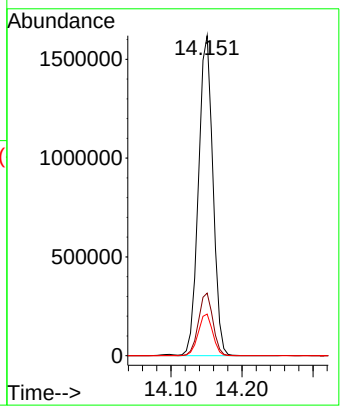


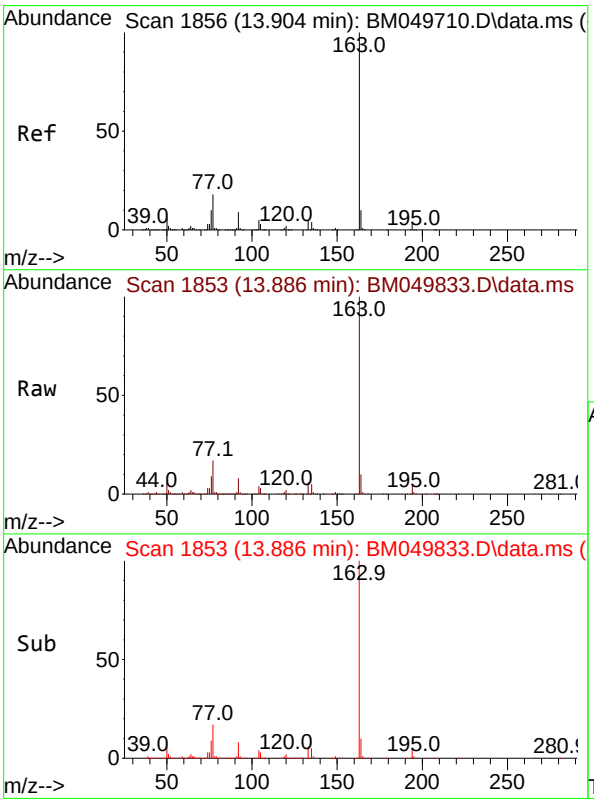
#49
Acenaphthylene
Concen: 37.011 ng
RT: 14.151 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2286956

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.2	15.4

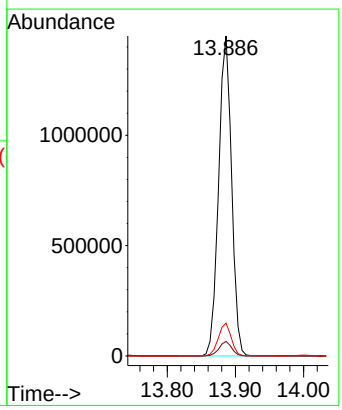


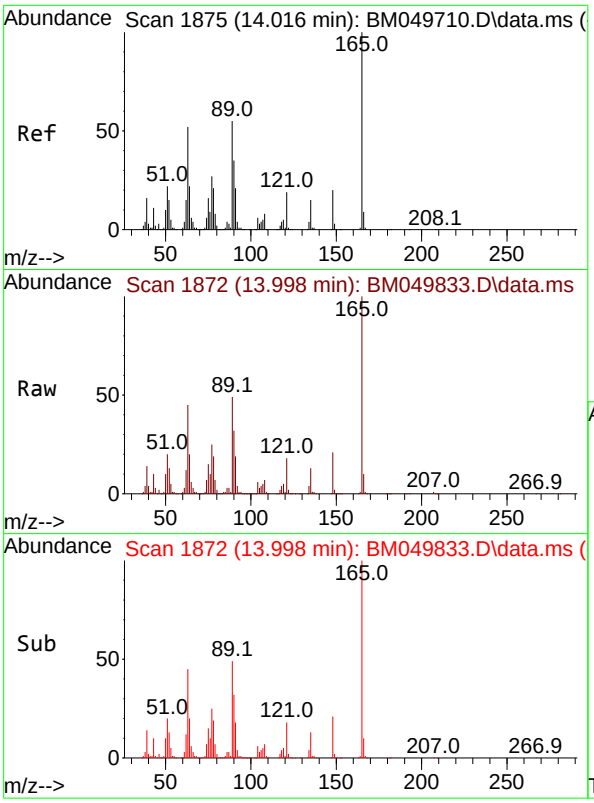


#50
Dimethylphthalate
Concen: 37.852 ng
RT: 13.886 min Scan# 1853
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:163 Resp: 1920484

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.3	8.2	12.2



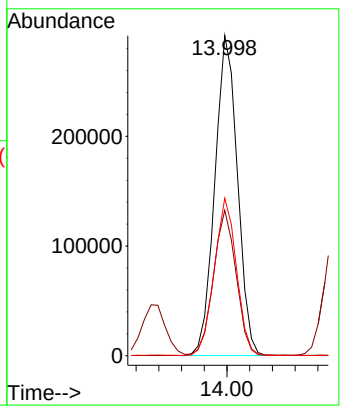


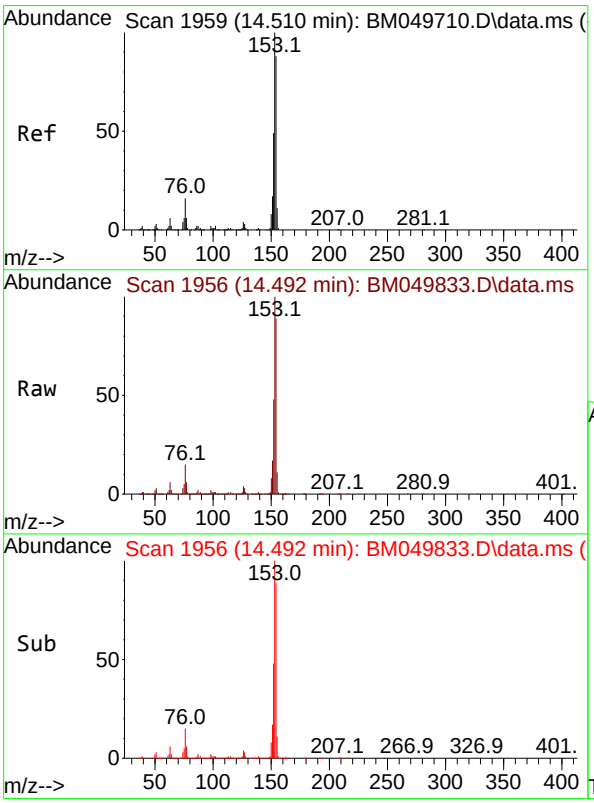
#51
2,6-Dinitrotoluene
Concen: 39.754 ng
RT: 13.998 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 404137

Ion	Ratio	Lower	Upper
165	100		
63	45.4	42.3	63.5
89	49.2	43.9	65.9

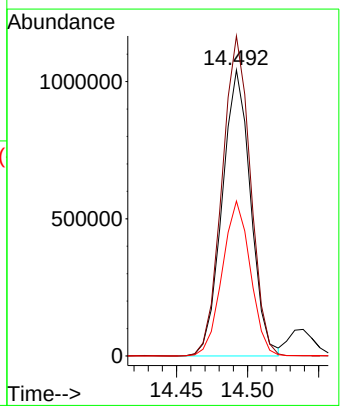


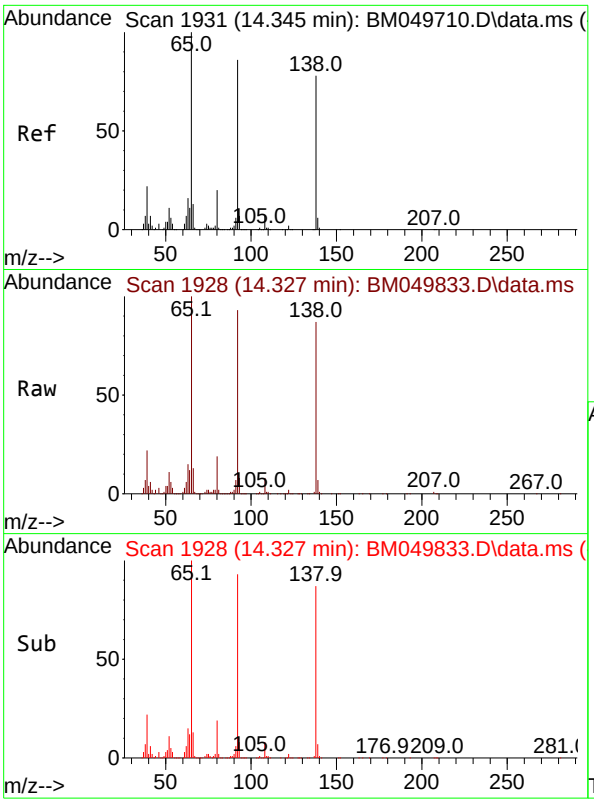


#52
Acenaphthene
Concen: 35.772 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:154 Resp: 1449895

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.4	135.6
152	54.2	44.2	66.2



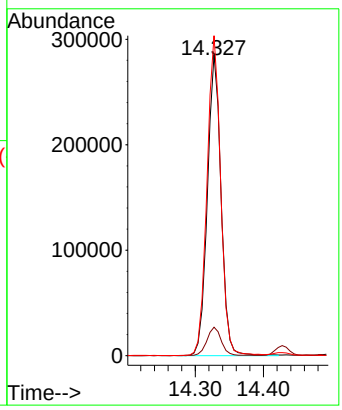


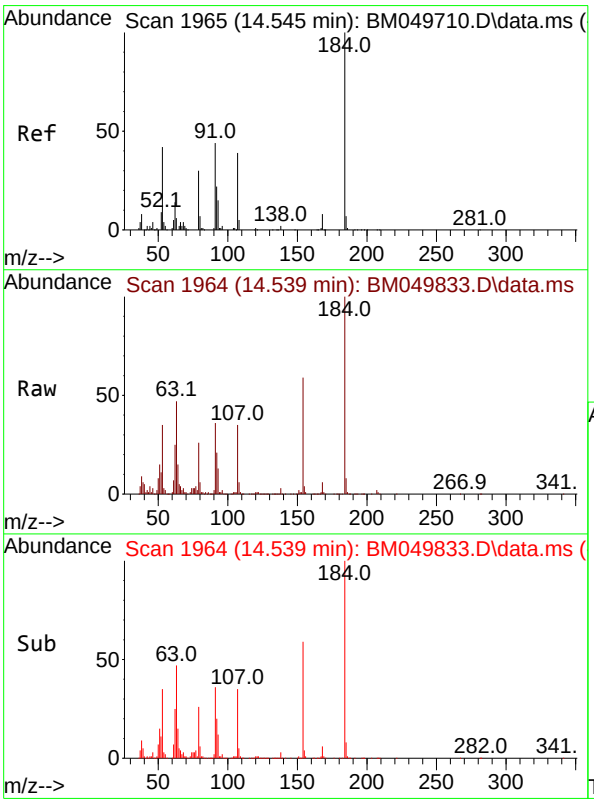
#53
3-Nitroaniline
Concen: 41.197 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 398539

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.5	11.3
92	106.3	88.0	132.0

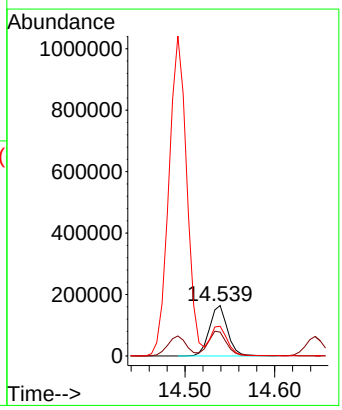


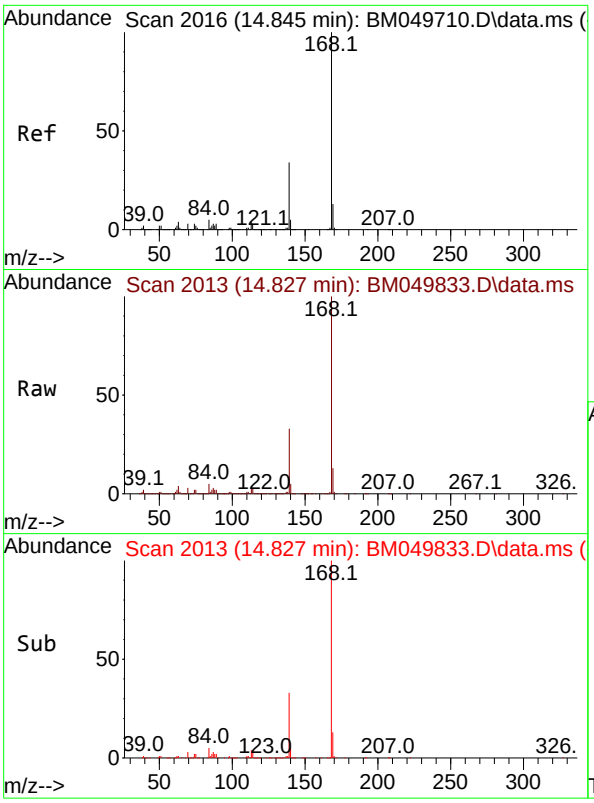


#54
2,4-Dinitrophenol
Concen: 44.285 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:184 Resp: 228636

Ion	Ratio	Lower	Upper
184	100		
63	47.4	47.2	70.8
154	59.1	49.9	74.9



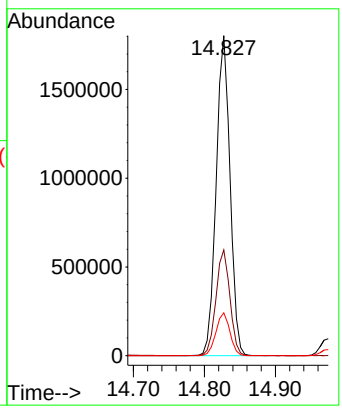


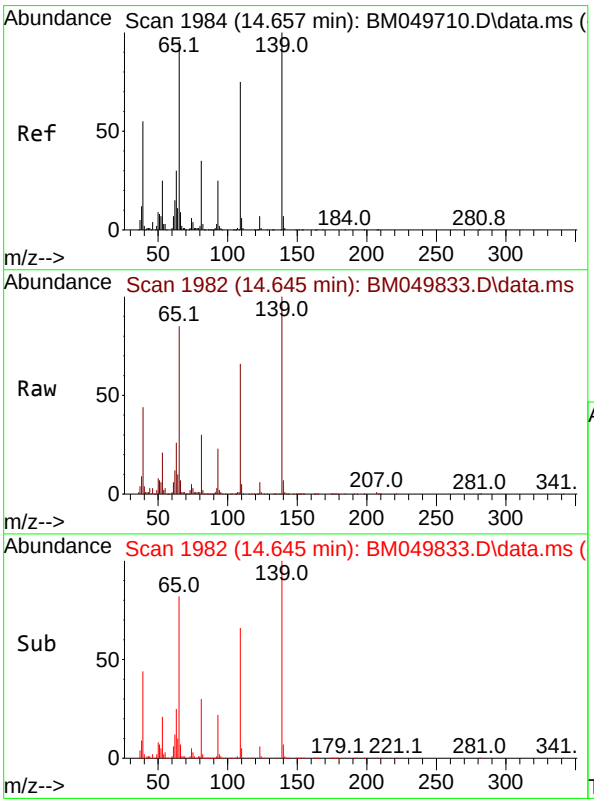
#55
Dibenzofuran
Concen: 35.995 ng
RT: 14.827 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2431054

Ion	Ratio	Lower	Upper
168	100		
139	33.0	27.4	41.0
169	13.4	10.7	16.1

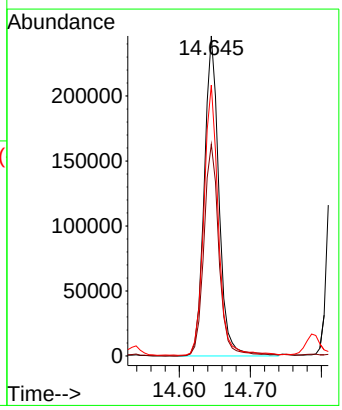


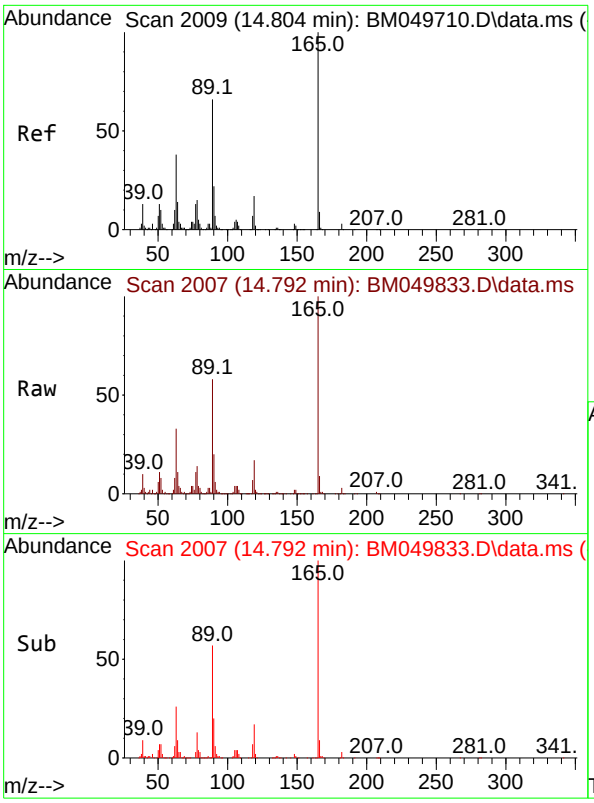


#56
4-Nitrophenol
Concen: 42.162 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:139 Resp: 355037

Ion	Ratio	Lower	Upper
139	100		
109	66.1	54.7	94.7
65	84.6	76.2	116.2



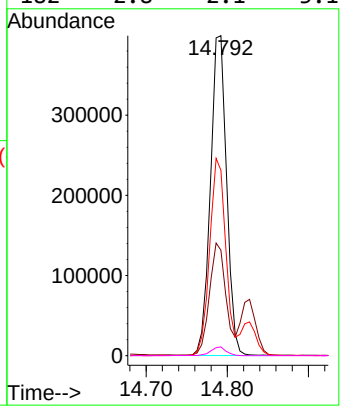


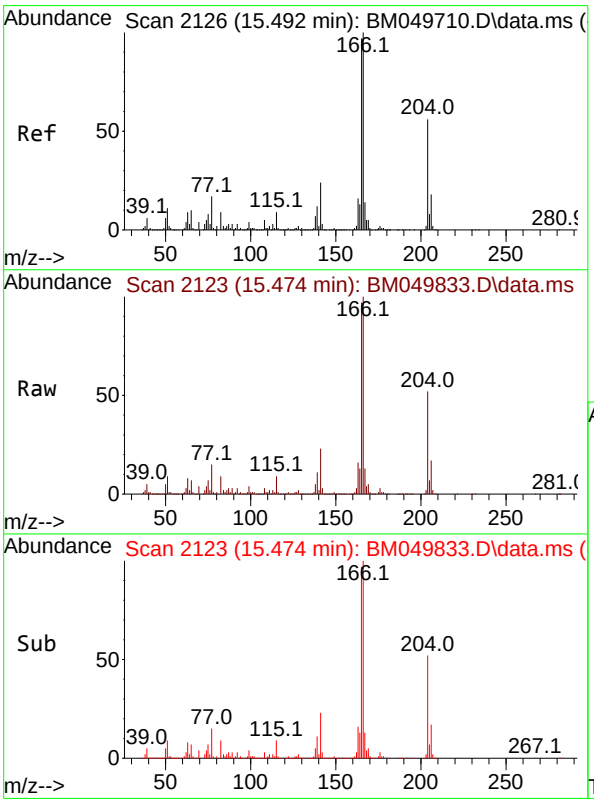
#57
2,4-Dinitrotoluene
Concen: 42.139 ng
RT: 14.792 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 551233

Ion	Ratio	Lower	Upper
165	100		
63	33.0	30.8	46.2
89	58.0	53.1	79.7
182	2.8	2.1	3.1

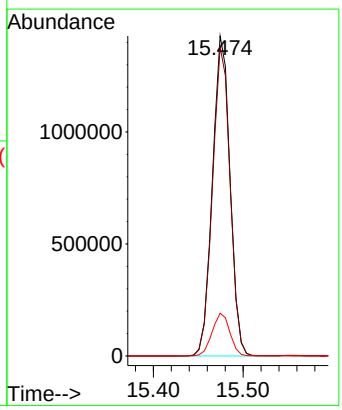


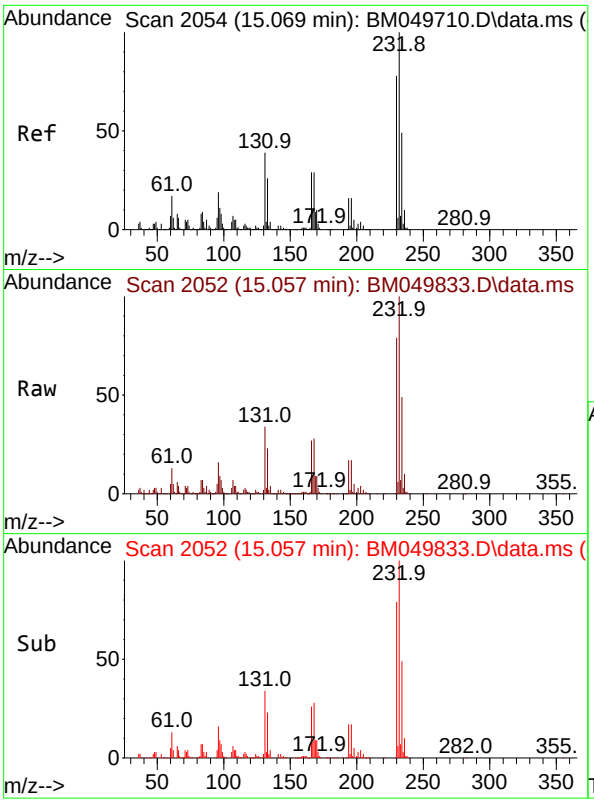


#58
Fluorene
Concen: 35.337 ng
RT: 15.474 min Scan# 2123
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:166 Resp: 1943112

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.5	116.3
167	13.4	10.9	16.3



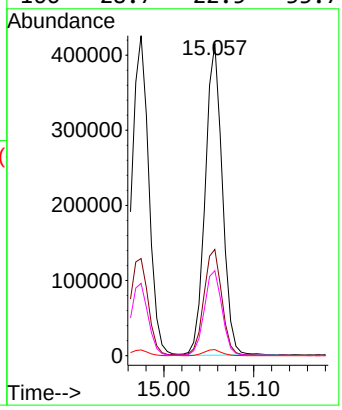


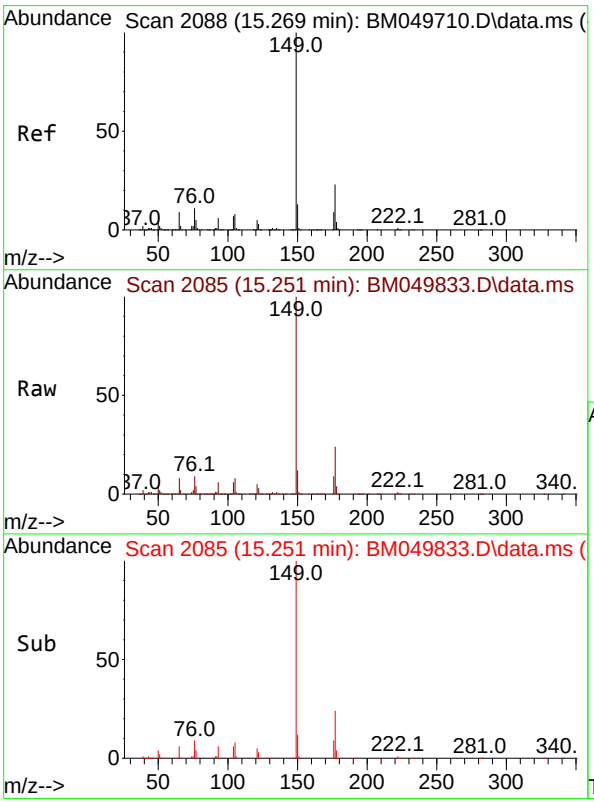
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.724 ng
RT: 15.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 550105

Ion	Ratio	Lower	Upper
232	100		
131	36.0	30.0	45.0
130	2.0	1.6	2.4
166	28.7	22.5	33.7

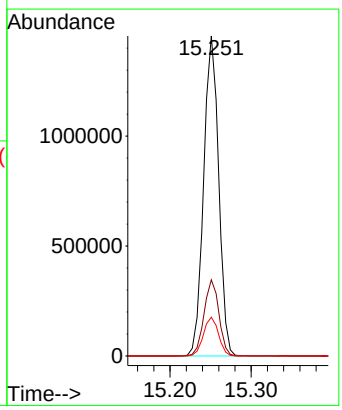


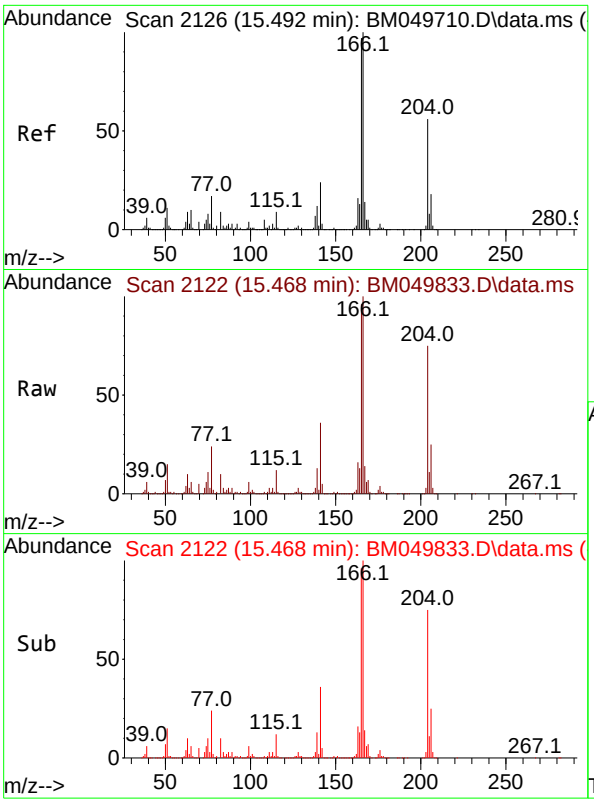


#60
Diethylphthalate
Concen: 39.070 ng
RT: 15.251 min Scan# 2085
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:149 Resp: 1866942

Ion	Ratio	Lower	Upper
149	100		
177	23.8	18.2	27.2
150	12.1	10.0	15.0



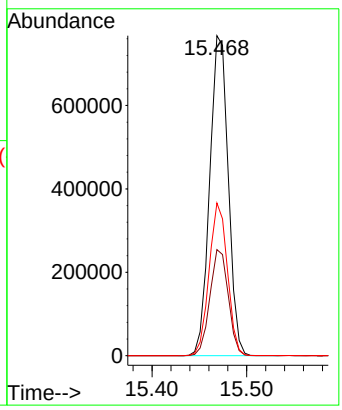


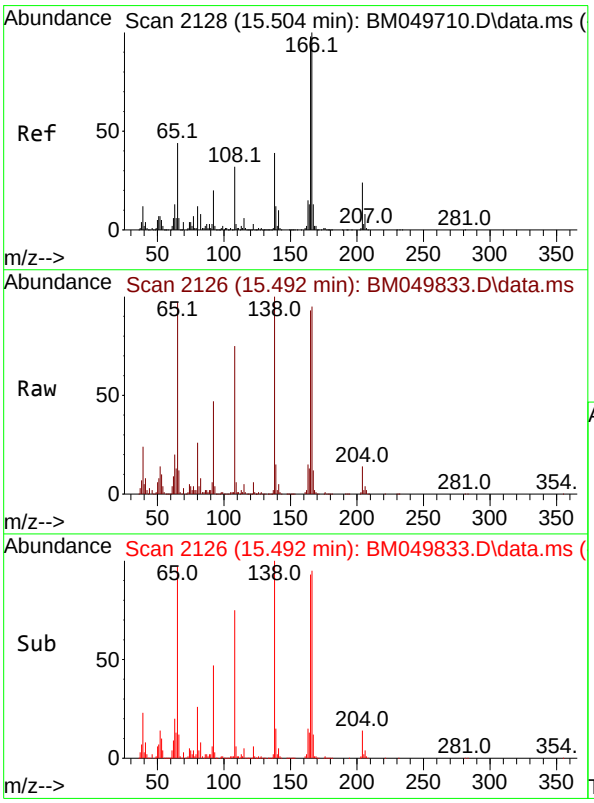
#61
4-Chlorophenyl-phenylether
Concen: 34.638 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1040083

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	47.7	34.5	51.7

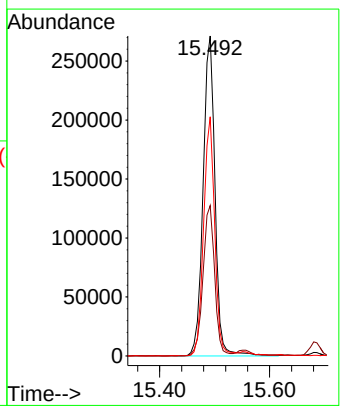


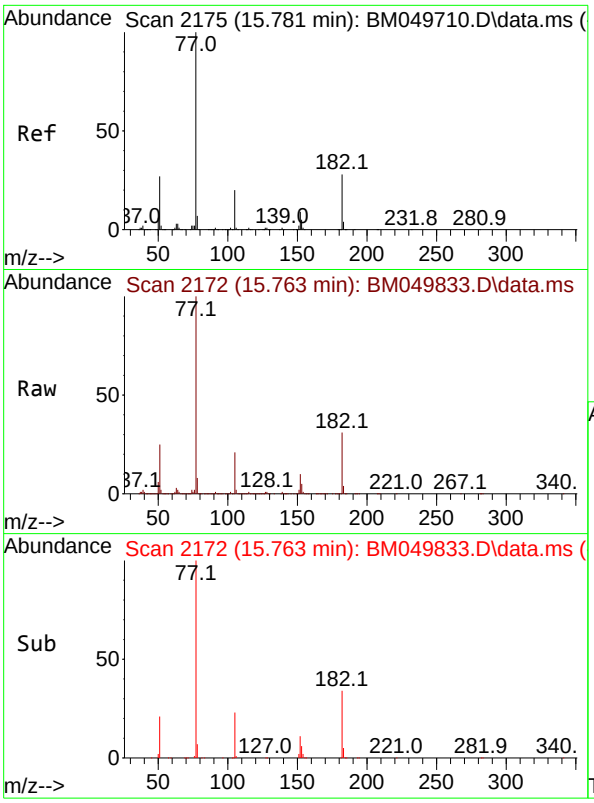


#62
4-Nitroaniline
Concen: 36.501 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:138 Resp: 408897

Ion	Ratio	Lower	Upper
138	100		
92	47.0	29.8	69.8
108	74.8	61.3	101.3



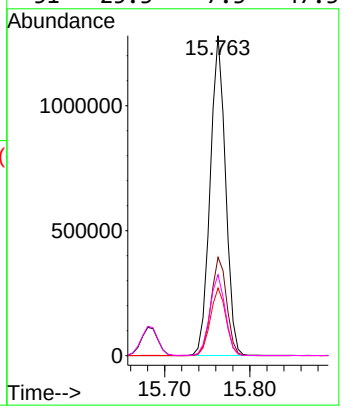


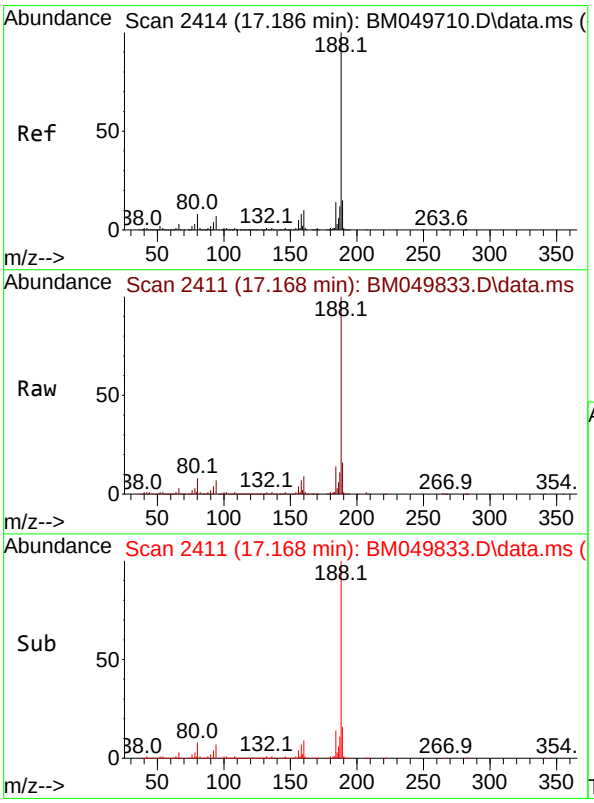
#63
Azobenzene
Concen: 34.992 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1597133

Ion	Ratio	Lower	Upper
77	100		
182	30.8	8.0	48.0
105	21.1	0.0	40.0
51	25.3	7.3	47.3

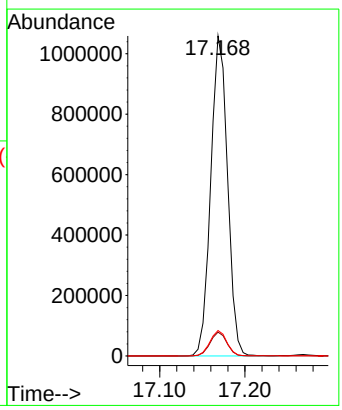


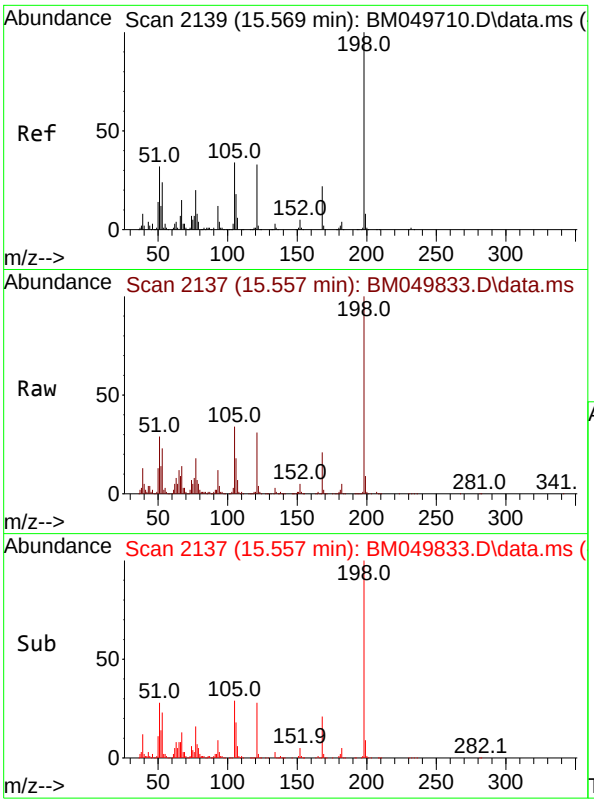


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:188 Resp: 1449927

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	8.0	6.3	9.5



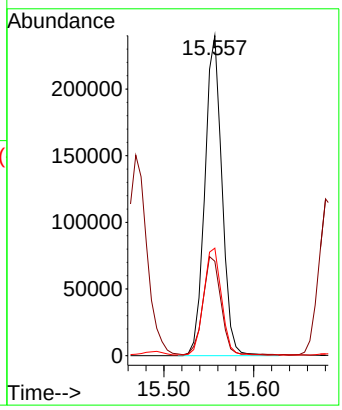


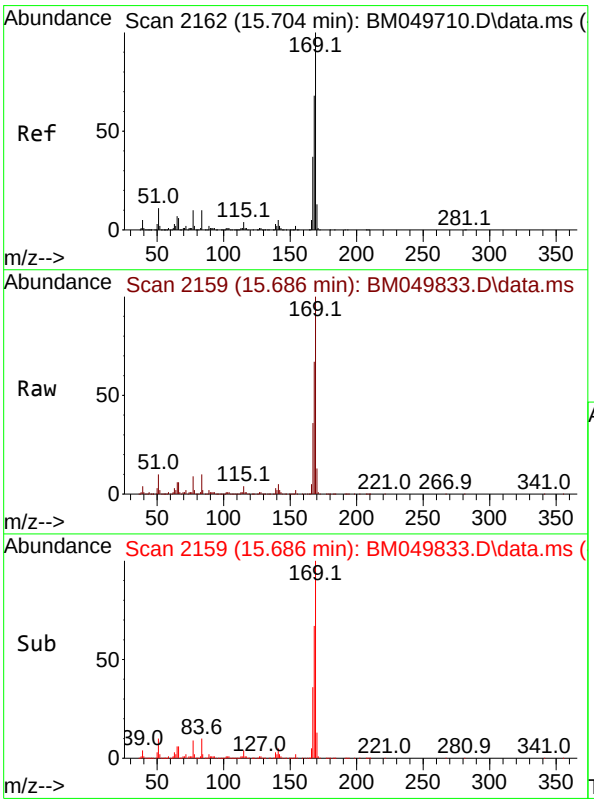
#65
4,6-Dinitro-2-methylphenol
Concen: 41.971 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 317788

Ion	Ratio	Lower	Upper
198	100		
51	29.5	13.8	53.8
105	33.6	14.0	54.0

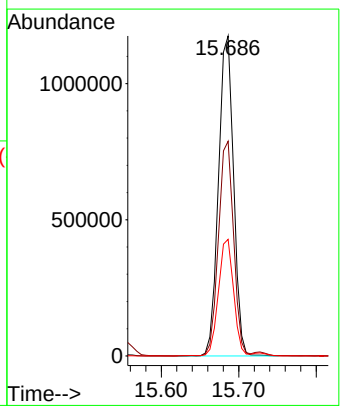


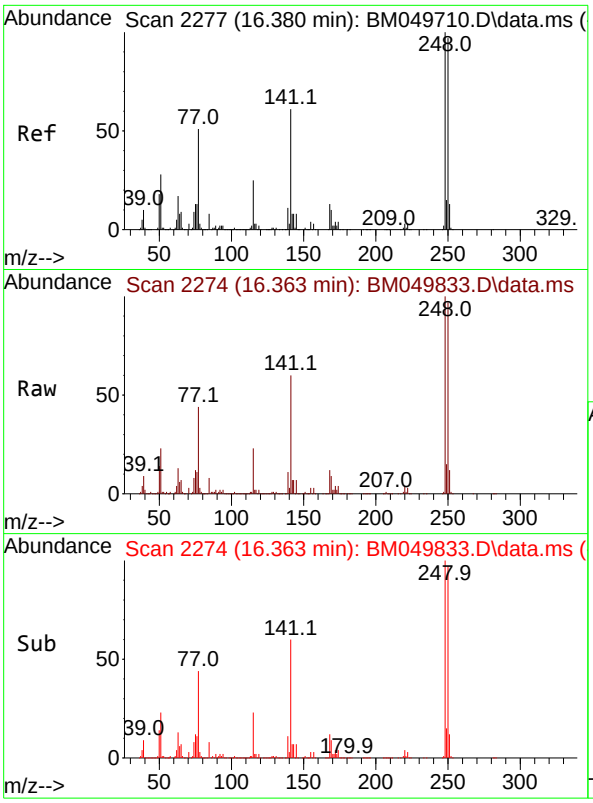


#66
n-Nitrosodiphenylamine
Concen: 36.203 ng
RT: 15.686 min Scan# 2159
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:169 Resp: 1590376

Ion	Ratio	Lower	Upper
169	100		
168	67.1	54.8	82.2
167	36.4	29.9	44.9



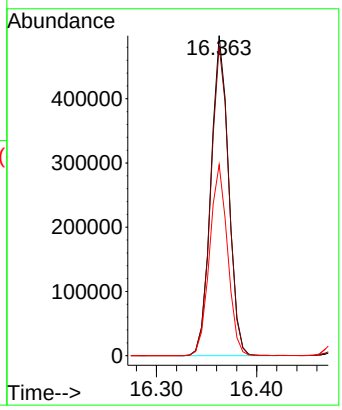


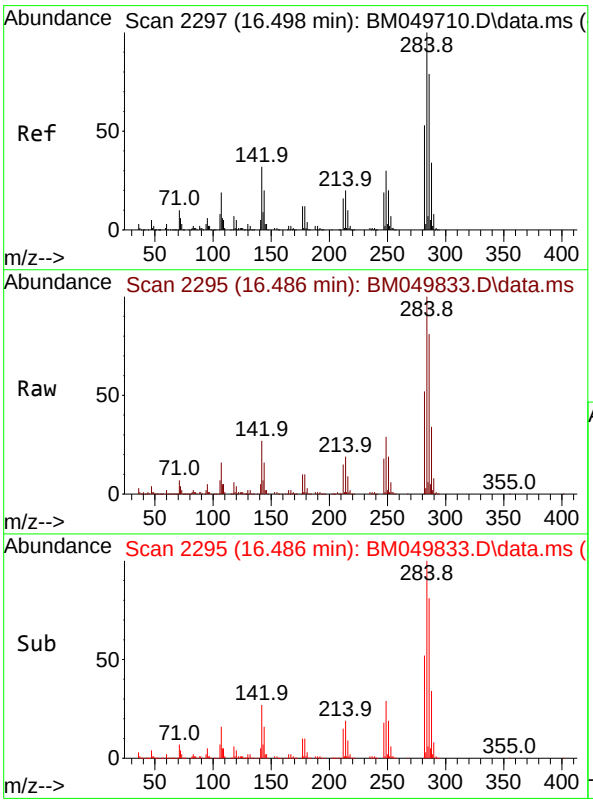
#67
4-Bromophenyl-phenylether
Concen: 36.585 ng
RT: 16.363 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 612448

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.9	116.9
141	59.7	48.6	73.0

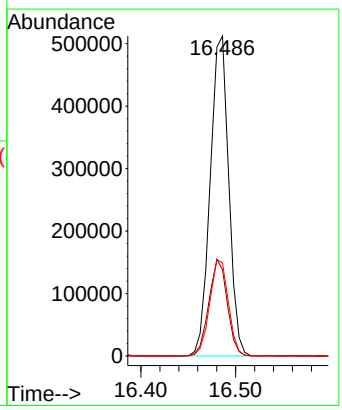


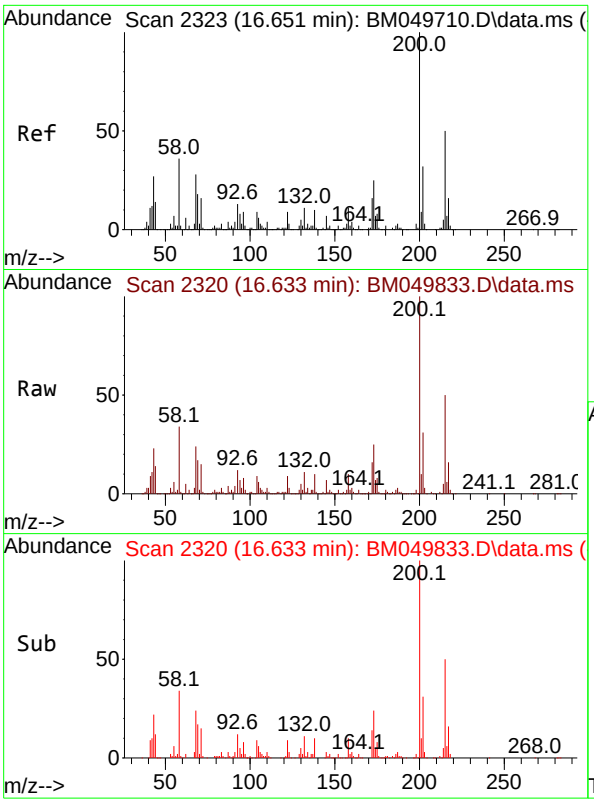


#68
Hexachlorobenzene
Concen: 36.882 ng
RT: 16.486 min Scan# 2295
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:284 Resp: 694307

Ion	Ratio	Lower	Upper
284	100		
142	27.0	25.5	38.3
249	29.0	24.2	36.2



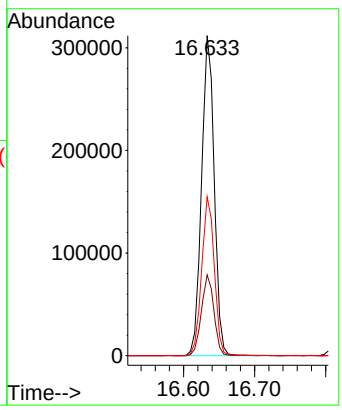


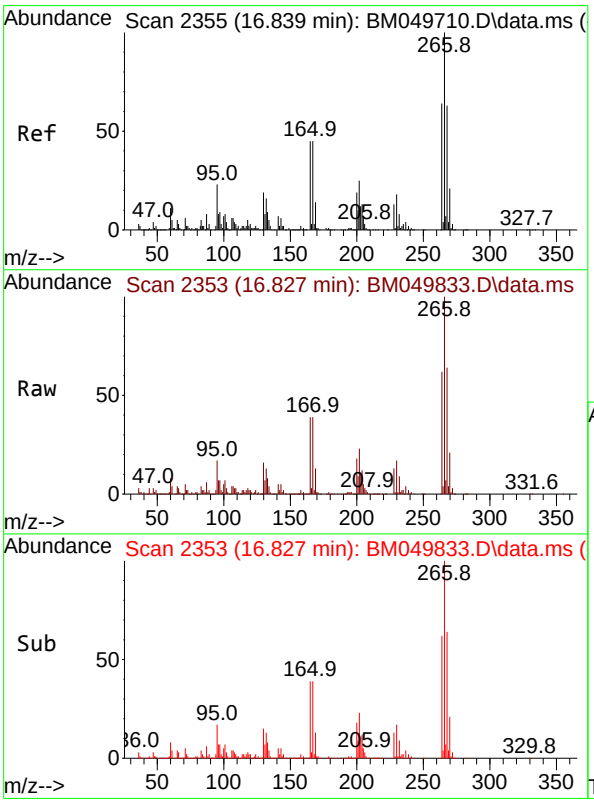
#69
Atrazine
Concen: 40.027 ng
RT: 16.633 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 387522

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.4	45.4
215	49.6	29.8	69.8

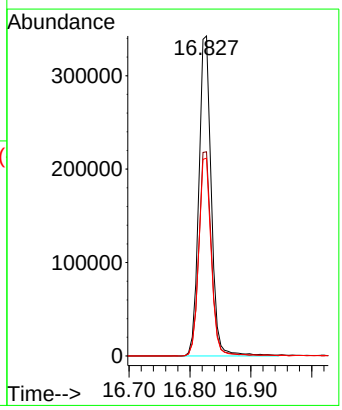


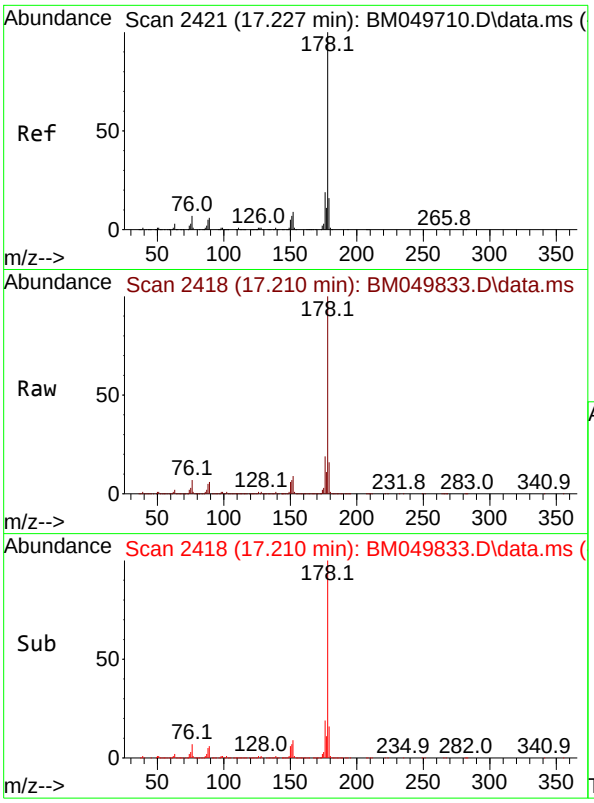


#70
Pentachlorophenol
Concen: 41.099 ng
RT: 16.827 min Scan# 2353
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:266 Resp: 486208

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.2	75.2
264	61.8	51.3	76.9



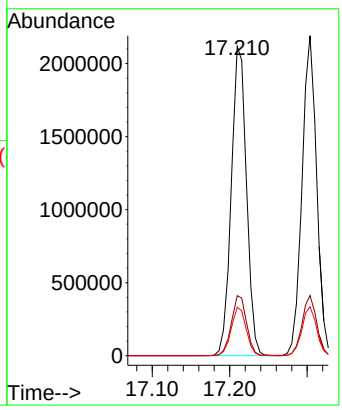


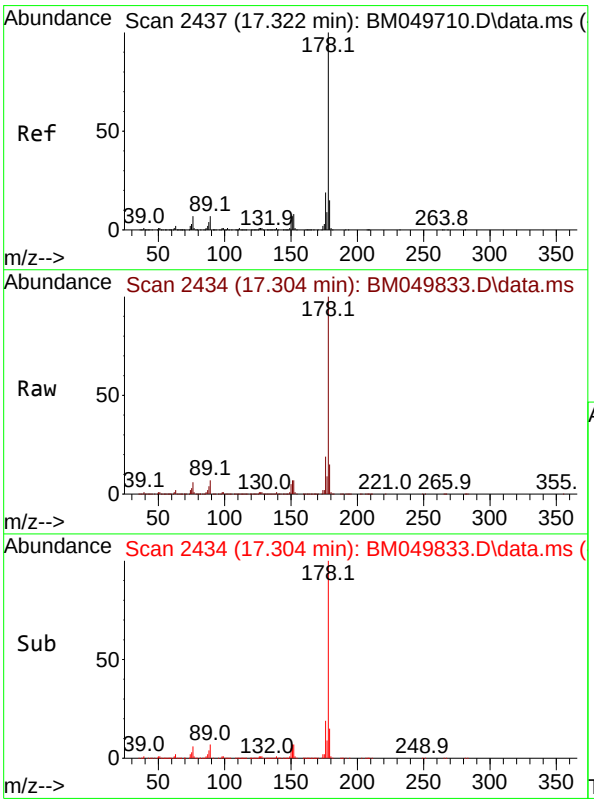
#71
Phenanthrene
Concen: 35.974 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2896338

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.5	18.7

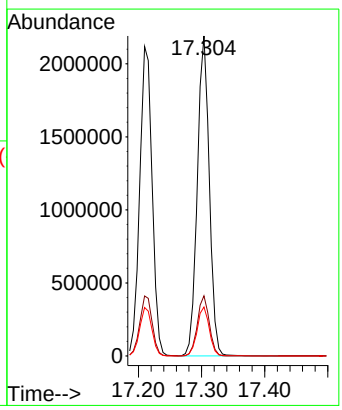


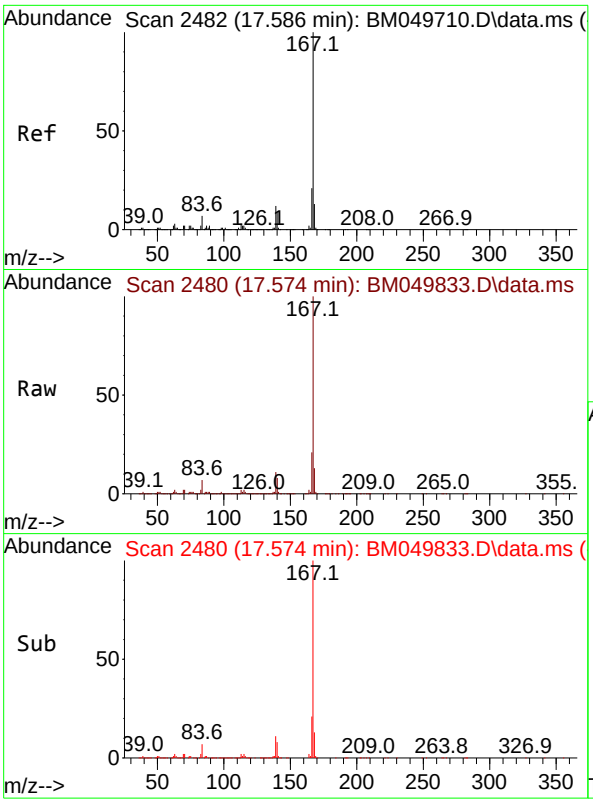


#72
Anthracene
Concen: 36.958 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:178 Resp: 2881649

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.3	12.4	18.6



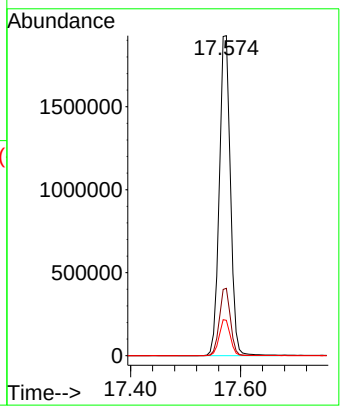


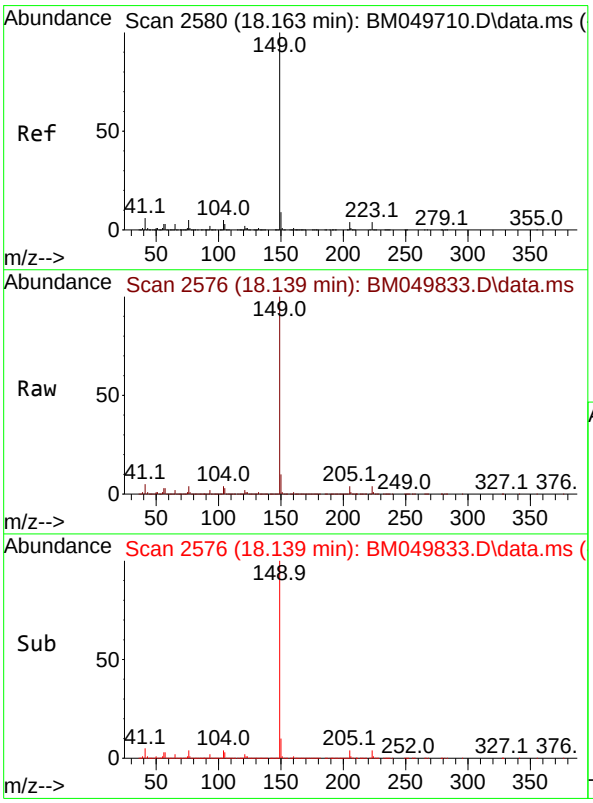
#73
Carbazole
Concen: 38.224 ng
RT: 17.574 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2699142

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	11.0	9.4	14.2

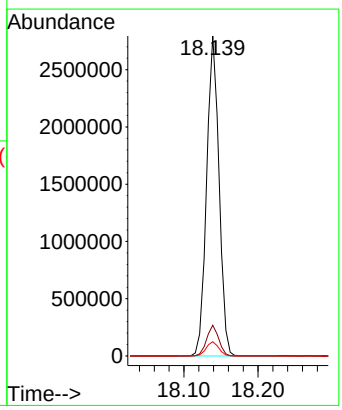


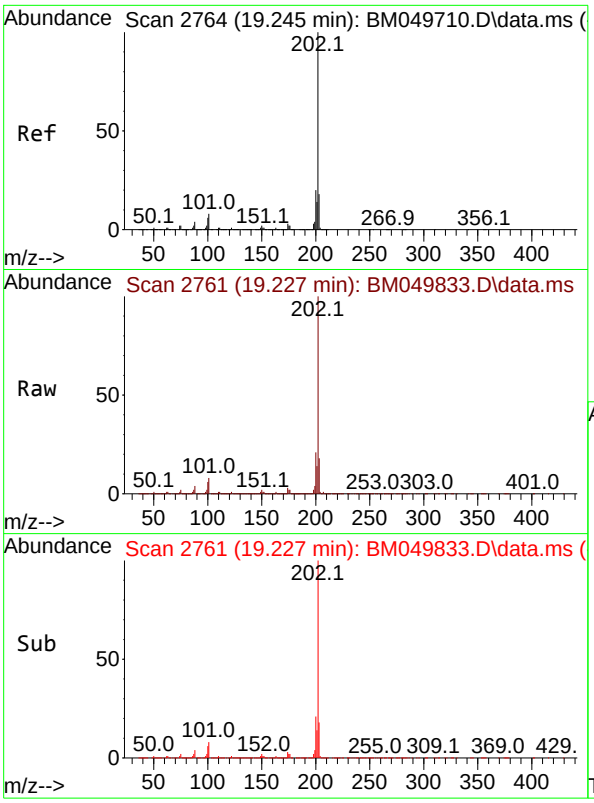


#74
Di-n-butylphthalate
Concen: 41.947 ng
RT: 18.139 min Scan# 2576
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:149 Resp: 3246507

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.2	10.8
104	4.5	3.9	5.9



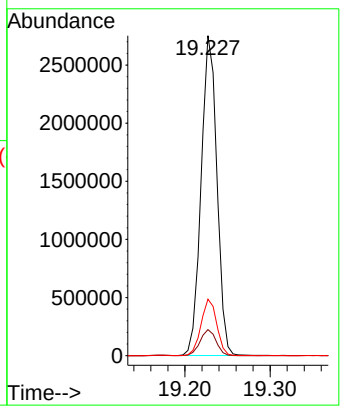


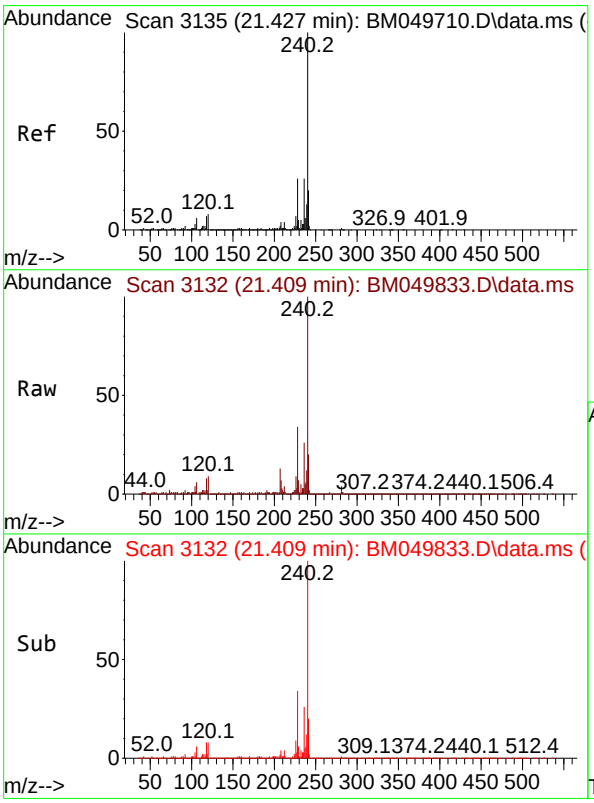
#75
Fluoranthene
Concen: 38.320 ng
RT: 19.227 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3551985

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	27.8
203	17.7	0.0	37.6

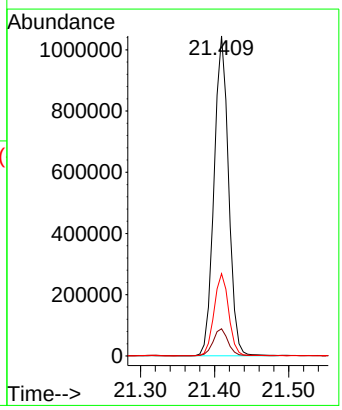


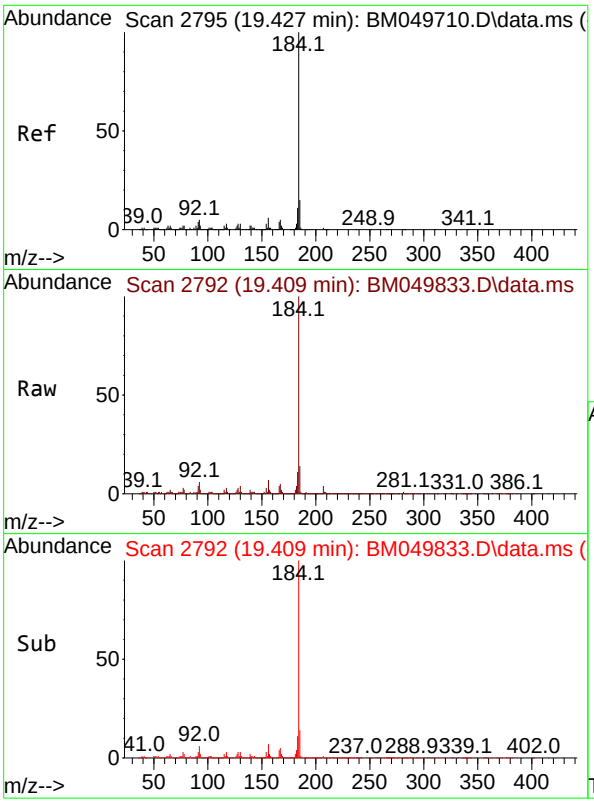


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3132
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:240 Resp: 1423468

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	25.7	20.7	31.1



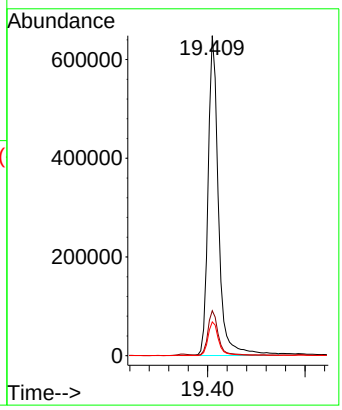


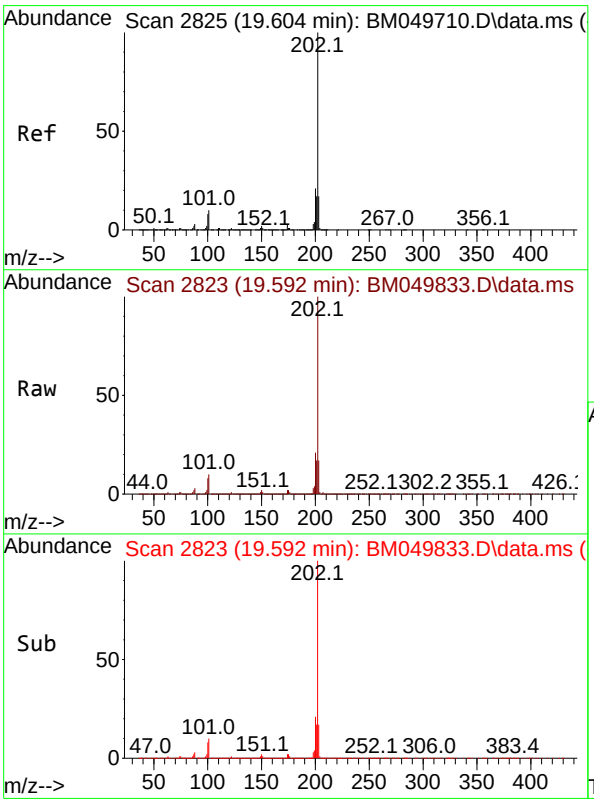
#77
Benzidine
Concen: 56.120 ng
RT: 19.409 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 959740

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.7	17.5
183	10.6	8.8	13.2

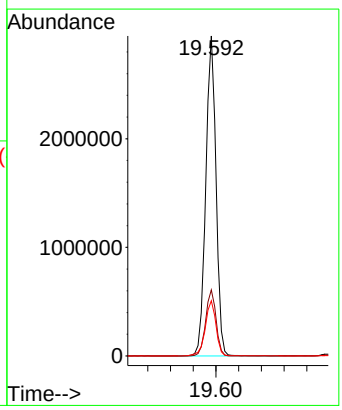


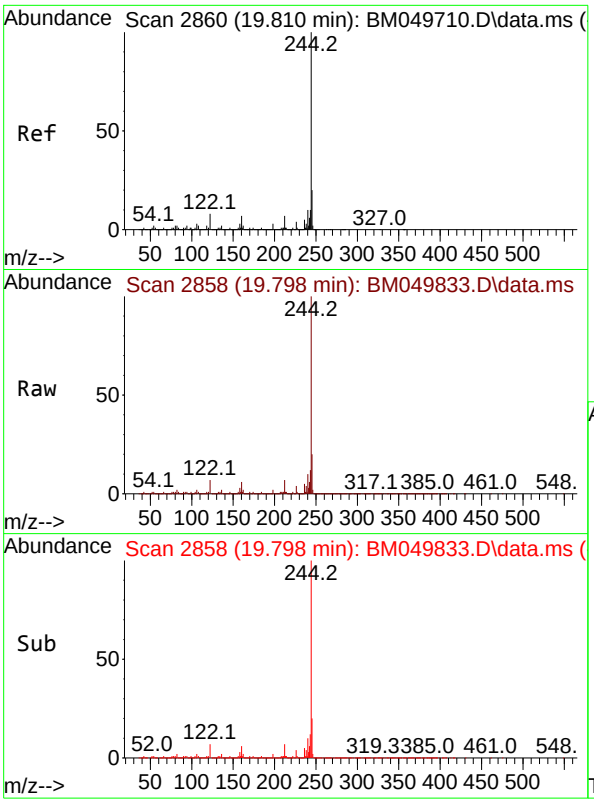


#78
Pyrene
Concen: 36.885 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:202 Resp: 3668315

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.2	14.0	21.0



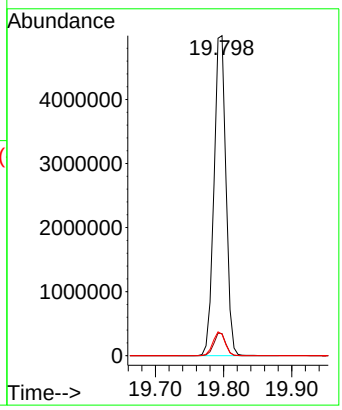


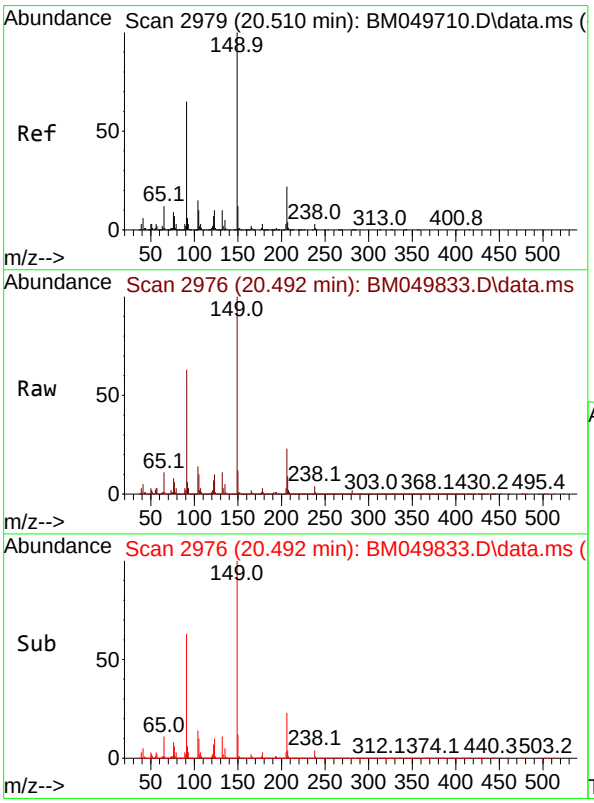
#79
Terphenyl-d14
Concen: 72.144 ng
RT: 19.798 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 6094220

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	6.7	6.0	9.0

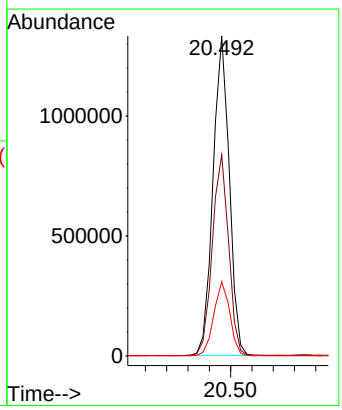


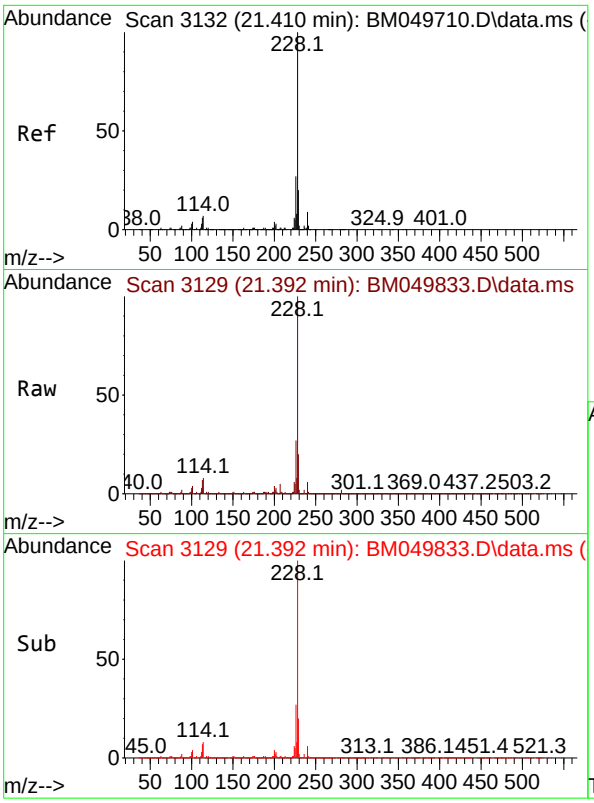


#80
Butylbenzylphthalate
Concen: 45.653 ng
RT: 20.492 min Scan# 2976
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:149 Resp: 1409013

Ion	Ratio	Lower	Upper
149	100		
91	62.9	52.2	78.4
206	23.2	17.6	26.4



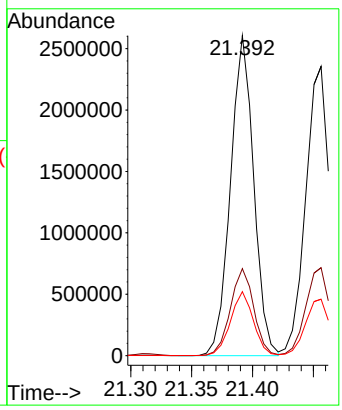


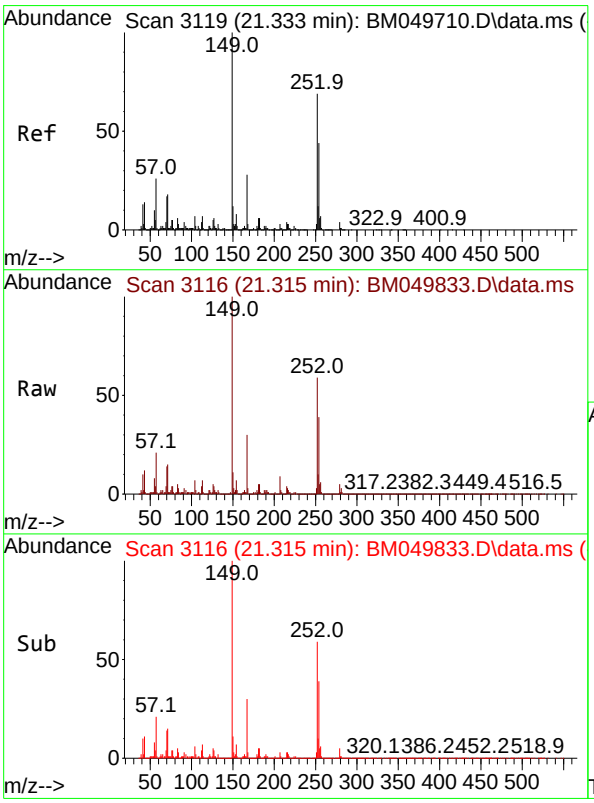
#81
Benzo(a)anthracene
Concen: 36.453 ng
RT: 21.392 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3465927

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.0	33.0
229	20.0	15.8	23.8

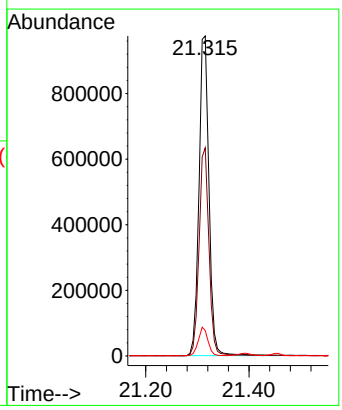


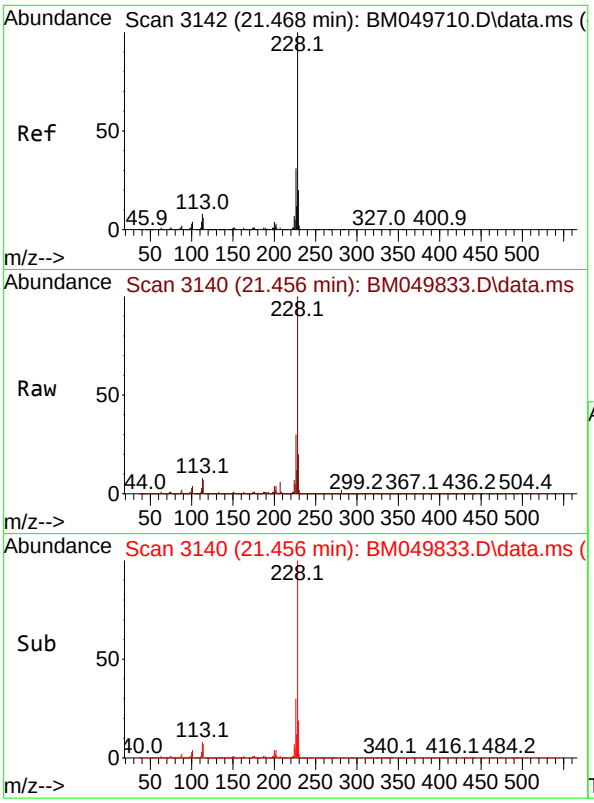


#82
3,3'-Dichlorobenzidine
Concen: 42.261 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.018 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:252 Resp: 1308203

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.0	76.4
126	7.9	6.3	9.5



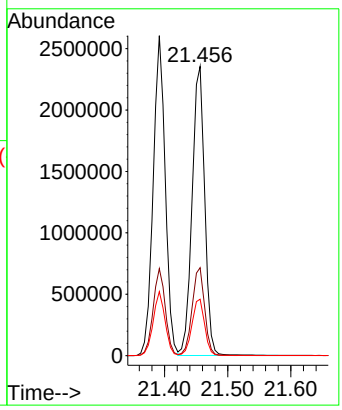


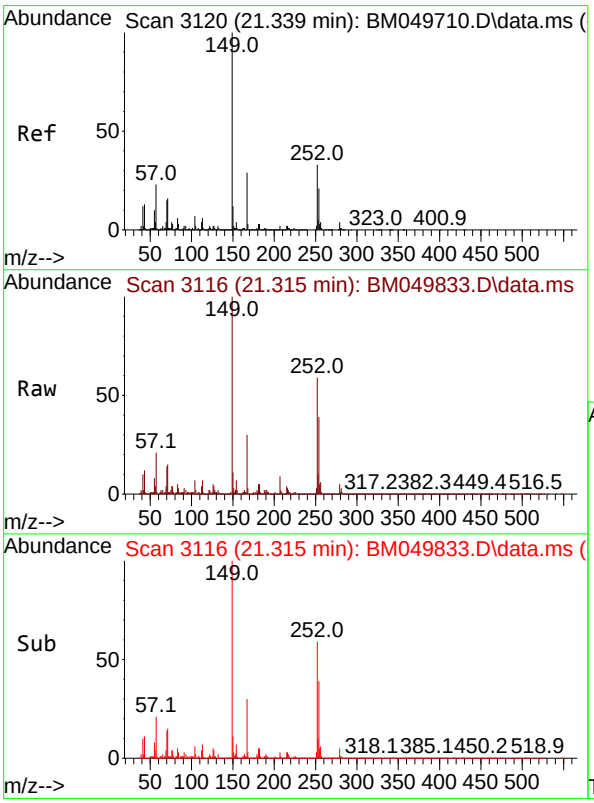
#83
Chrysene
Concen: 36.163 ng
RT: 21.456 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3259283

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	19.5	15.8	23.6

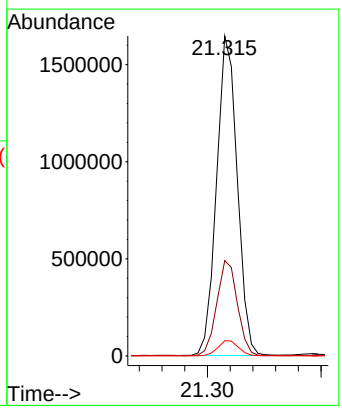


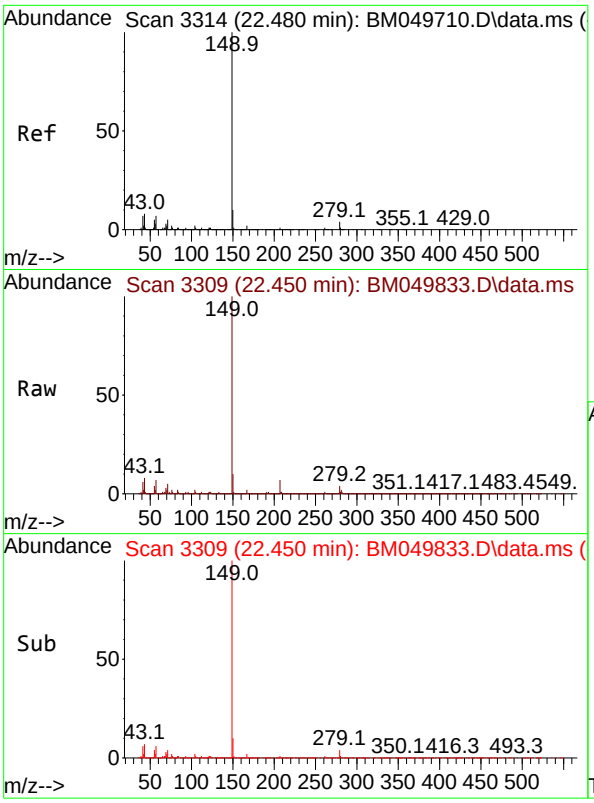


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.221 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:149 Resp: 2078932

Ion	Ratio	Lower	Upper
149	100		
167	29.8	22.9	34.3
279	4.7	3.5	5.3



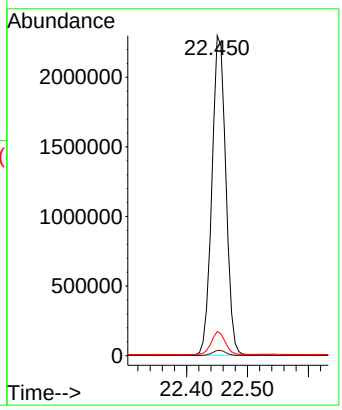


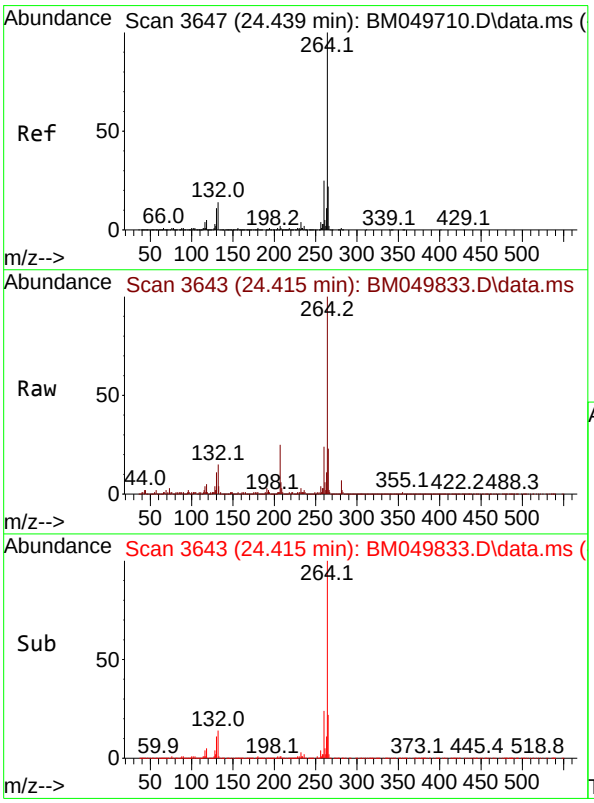
#85
Di-n-octyl phthalate
Concen: 48.859 ng
RT: 22.450 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 3652709

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	6.8	10.2

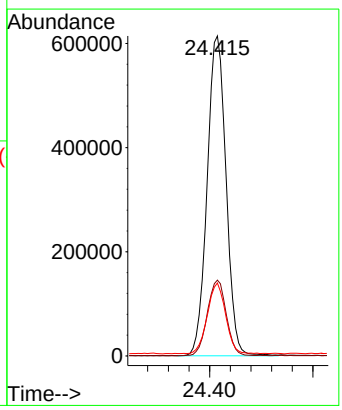


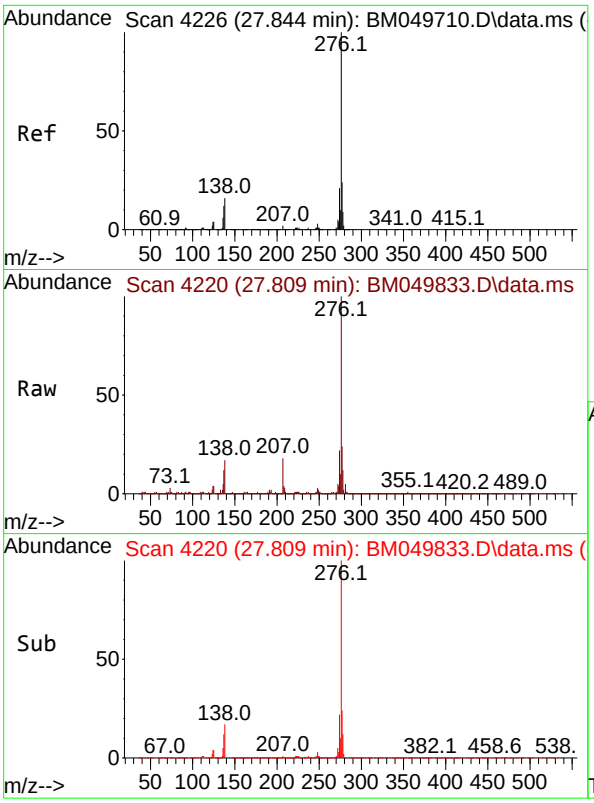


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.415 min Scan# 3643
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:264 Resp: 1559768

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.8	18.2	27.2



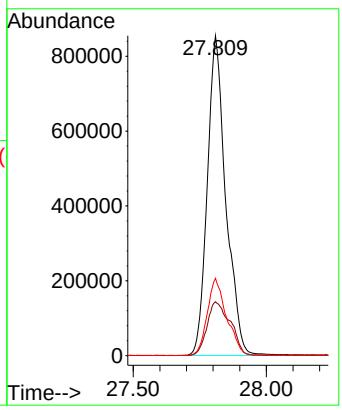


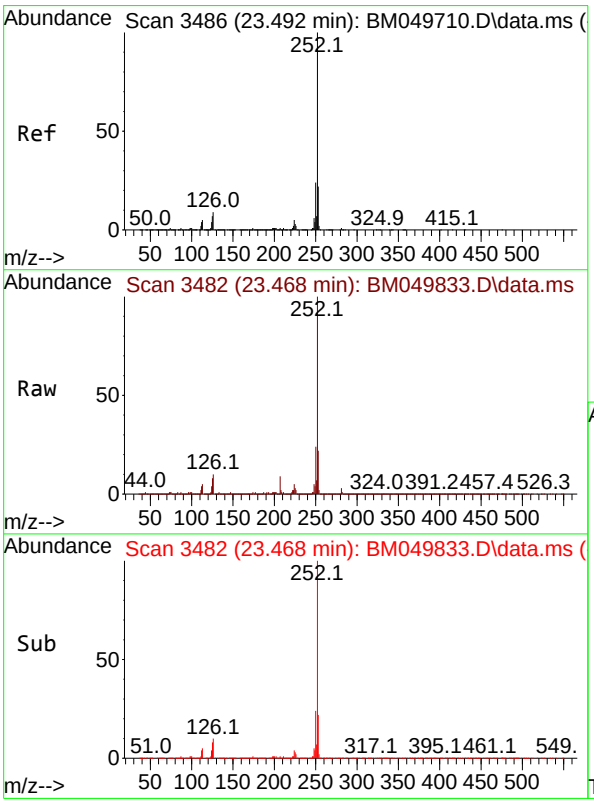
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.866 ng
RT: 27.809 min Scan# 4
Delta R.T. -0.036 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 4138776

Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.3	24.5
277	25.1	19.9	29.9

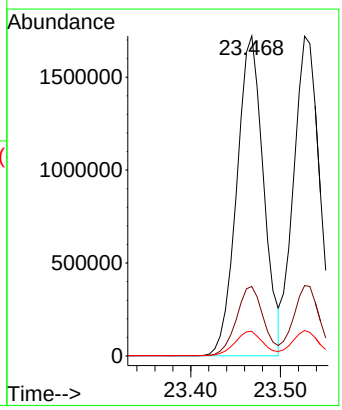


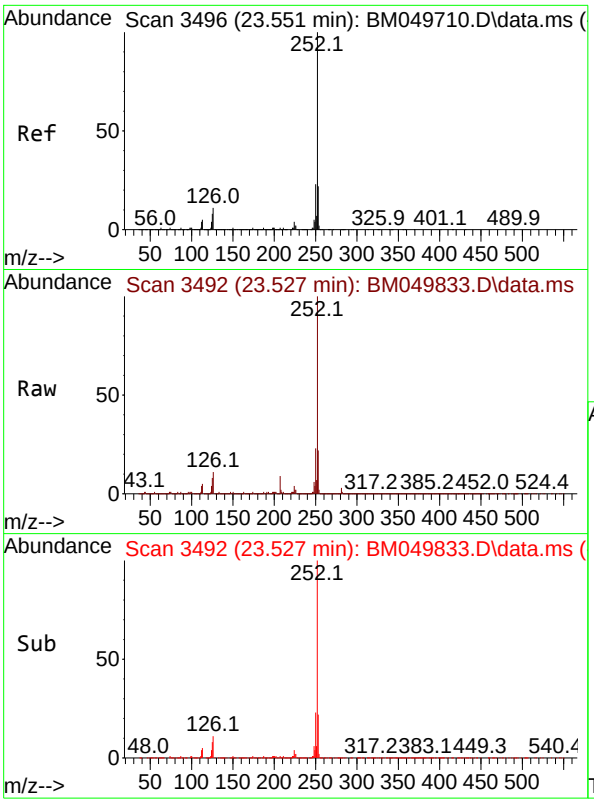


#88
Benzo(b)fluoranthene
Concen: 33.977 ng
RT: 23.468 min Scan# 3482
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:252 Resp: 3569472

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	7.7	5.9	8.9



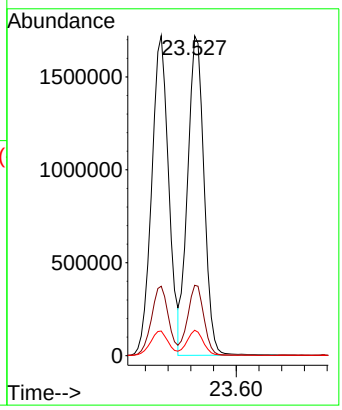


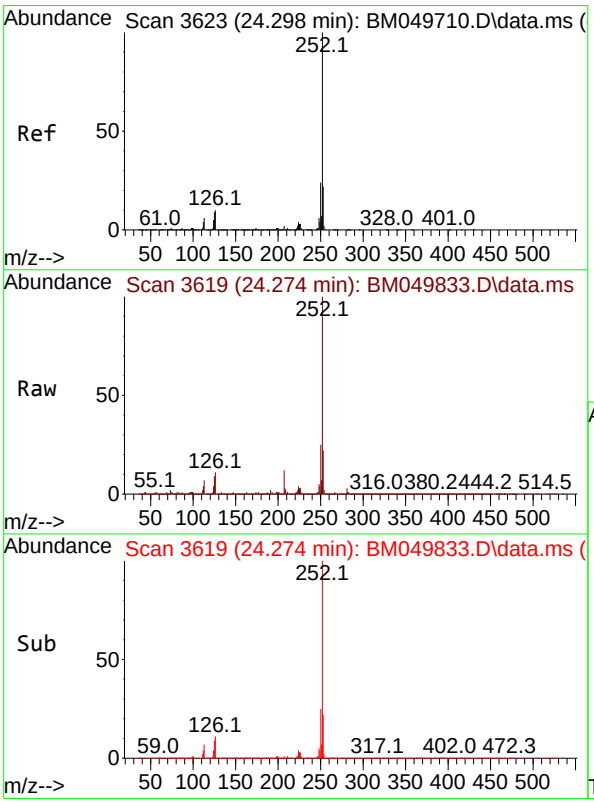
#89
Benzo(k)fluoranthene
Concen: 33.427 ng
RT: 23.527 min Scan# 34
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3455420

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	8.0	6.2	9.2

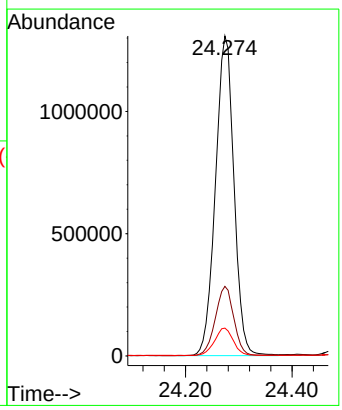


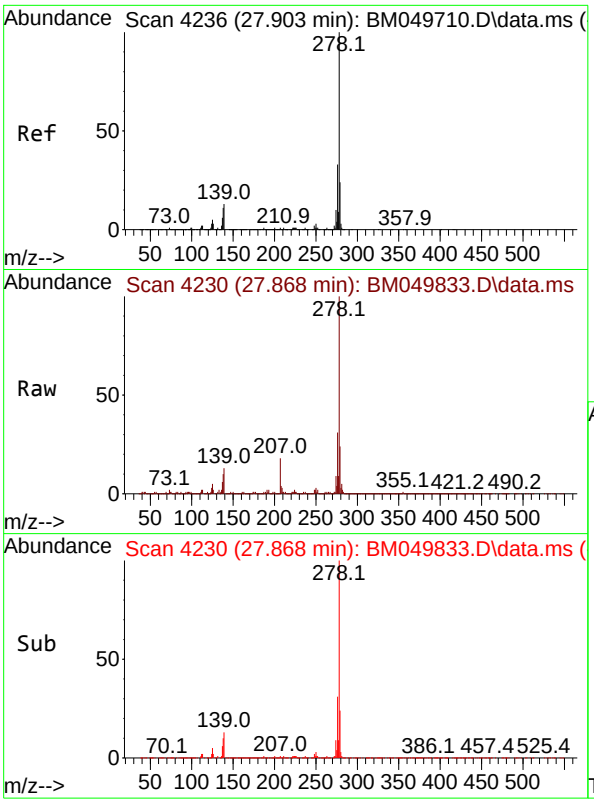


#90
Benzo(a)pyrene
Concen: 35.644 ng
RT: 24.274 min Scan# 3619
Delta R.T. -0.024 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:252 Resp: 3145352

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.7	7.0	10.6



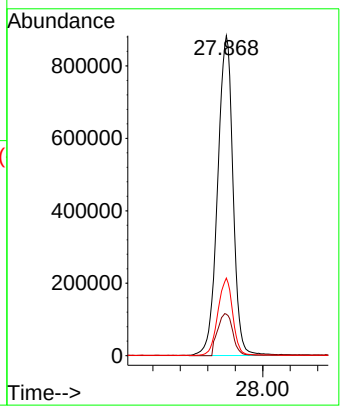


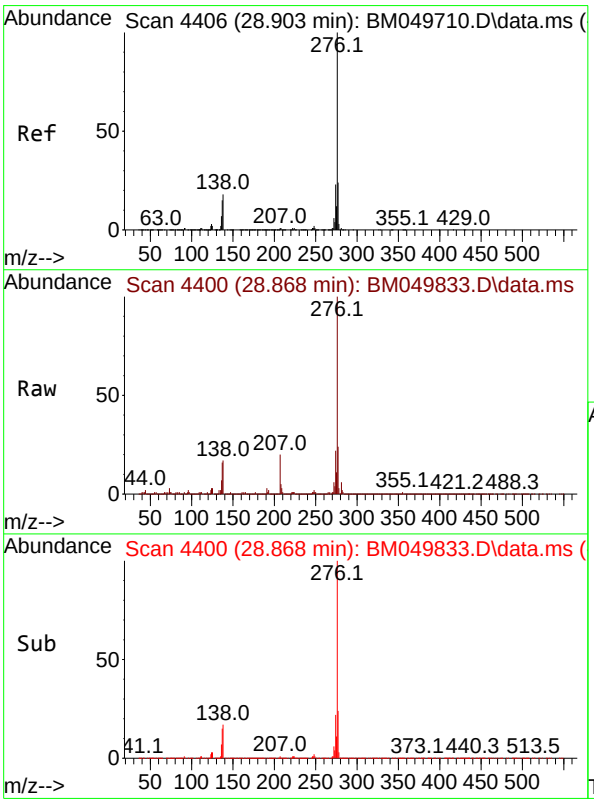
#91
Dibenzo(a,h)anthracene
Concen: 36.620 ng
RT: 27.868 min Scan# 4
Delta R.T. -0.036 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 3425258

Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.1	15.1
279	24.2	19.1	28.7

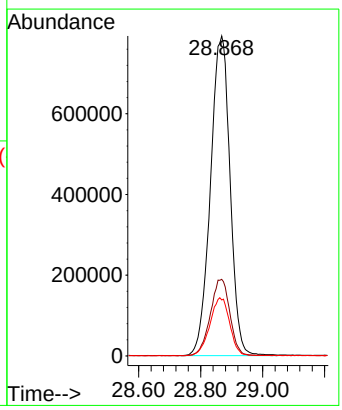




#92
Benzo(g,h,i)perylene
Concen: 36.910 ng
RT: 28.868 min Scan# 4400
Delta R.T. -0.036 min
Lab File: BM049833.D
Acq: 07 Apr 2025 10:43

Tgt Ion:276 Resp: 3477506

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	17.5	14.0	21.0



Sample Results: **BM049833.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 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	108	-0.02
2		1,4-Dioxane	0.513	0.426	17.0	93	-0.02
3		Pyridine	1.310	1.138	13.1	95	-0.02
4		n-Nitrosodimethylamine	0.580	0.436	24.8	84	-0.02
5	S	2-Fluorophenol	1.185	1.053	11.1	97	-0.02
6		Aniline	1.246	1.135	8.9	101	-0.02
7	S	Phenol-d6	1.487	1.338	10.0	99	-0.02
8		2-Chlorophenol	1.174	1.094	6.8	103	-0.02
9		Benzaldehyde	0.735	0.689	6.3	109	-0.02
10	C	Phenol	1.442	1.294	10.3	100	-0.02
11		bis(2-Chloroethyl)ether	1.168	1.033	11.6	100	-0.02
12		1,3-Dichlorobenzene	1.426	1.292	9.4	102	-0.02
13	C	1,4-Dichlorobenzene	1.439	1.303	9.5	101	-0.02
14		1,2-Dichlorobenzene	1.368	1.230	10.1	100	-0.02
15		Benzyl Alcohol	0.933	0.866	7.2	101	-0.02
16		2,2'-oxybis(1-Chloropropane	1.373	1.157	15.7	95	-0.02
17		2-Methylphenol	0.856	0.815	4.8	104	-0.02
18		Hexachloroethane	0.508	0.454	10.6	98	-0.02
19	P	n-Nitroso-di-n-propylamine	0.863	0.766	11.2	96	-0.02
20		3+4-Methylphenols	1.148	1.102	4.0	105	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	111	-0.02
22		Acetophenone	0.516	0.444	14.0	98	-0.02
23	S	Nitrobenzene-d5	0.390	0.329	15.6	95	-0.02
24		Nitrobenzene	0.367	0.318	13.4	98	-0.02
25		Isophorone	0.598	0.560	6.4	105	-0.02
26	C	2-Nitrophenol	0.156	0.167	-7.1	118	-0.02
27		2,4-Dimethylphenol	0.199	0.194	2.5	110	-0.02
28		bis(2-Chloroethoxy)methane	0.421	0.373	11.4	102	-0.02
29	C	2,4-Dichlorophenol	0.324	0.313	3.4	108	-0.02
30		1,2,4-Trichlorobenzene	0.406	0.359	11.6	102	-0.02
31		Naphthalene	1.028	0.931	9.4	104	-0.02
32		Benzoic acid	0.169	0.217	-28.4#	147	-0.02
33		4-Chloroaniline	0.351	0.337	4.0	107	-0.02
34	C	Hexachlorobutadiene	0.250	0.221	11.6	101	-0.02
35		Caprolactam	0.075	0.087	-16.0	124	-0.02
36	C	4-Chloro-3-methylphenol	0.278	0.279	-0.4	110	-0.02
37		2-Methylnaphthalene	0.719	0.666	7.4	105	-0.02
38		1-Methylnaphthalene	0.694	0.644	7.2	106	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	118	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.735	0.627	14.7	103	-0.02
41	P	Hexachlorocyclopentadiene	0.272	0.229	15.8	99	-0.02
42	S	2,4,6-Tribromophenol	0.234	0.259	-10.7	122	-0.02
43	C	2,4,6-Trichlorophenol	0.411	0.406	1.2	115	-0.02
44		2,4,5-Trichlorophenol	0.449	0.436	2.9	113	-0.02
45	S	2-Fluorobiphenyl	1.597	1.351	15.4	101	-0.02
46		1,1'-Biphenyl	1.541	1.362	11.6	106	-0.02
47		2-Chloronaphthalene	1.200	1.060	11.7	106	-0.02

Sample Results: **BM049833.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 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	0.269	0.252	6.3	106	-0.02
49		Acenaphthylene	1.677	1.552	7.5	110	-0.02
50		Dimethylphthalate	1.377	1.303	5.4	112	-0.02
51		2,6-Dinitrotoluene	0.276	0.274	0.7	116	-0.02
52	C	Acenaphthene	1.100	0.984	10.5	106	-0.02
53		3-Nitroaniline	0.263	0.270	-2.7	117	-0.02
54	P	2,4-Dinitrophenol	0.134	0.155	-15.7	139	0.00
55		Dibenzofuran	1.833	1.649	10.0	109	-0.02
56	P	4-Nitrophenol	0.229	0.241	-5.2	122	-0.01
57		2,4-Dinitrotoluene	0.355	0.374	-5.4	119	-0.01
58		Fluorene	1.492	1.318	11.7	104	-0.02
59		2,3,4,6-Tetrachlorophenol	0.376	0.373	0.8	115	-0.01
60		Diethylphthalate	1.297	1.267	2.3	115	-0.02
61		4-Chlorophenyl-phenylether	0.815	0.706	13.4	102	-0.02
62		4-Nitroaniline	0.274	0.277	-1.1	110	-0.01
63		Azobenzene	1.239	1.084	12.5	103	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	123	-0.02
65		4,6-Dinitro-2-methylphenol	0.102	0.110	-7.8	135	-0.01
66	c	n-Nitrosodiphenylamine	0.606	0.548	9.6	112	-0.02
67		4-Bromophenyl-phenylether	0.231	0.211	8.7	115	-0.02
68		Hexachlorobenzene	0.260	0.239	8.1	117	-0.01
69		Atrazine	0.134	0.134	0.0	128	-0.02
70	C	Pentachlorophenol	0.163	0.168	-3.1	128	-0.01
71		Phenanthrene	1.111	0.999	10.1	112	-0.02
72		Anthracene	1.076	0.994	7.6	115	-0.02
73		Carbazole	0.974	0.931	4.4	115	-0.01
74		Di-n-butylphthalate	1.068	1.120	-4.9	127	-0.02
75	C	Fluoranthene	1.279	1.225	4.2	116	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	119	-0.02
77		Benzidine	0.240	0.337	-40.4#	190#	-0.02
78		Pyrene	1.397	1.289	7.7	115	-0.01
79	S	Terphenyl-d14	1.187	1.070	9.9	105	-0.01
80		Butylbenzylphthalate	0.434	0.495	-14.1	136	-0.02
81		Benzo(a)anthracene	1.336	1.217	8.9	111	-0.02
82		3,3'-Dichlorobenzidine	0.435	0.460	-5.7	133	-0.02
83		Chrysene	1.266	1.145	9.6	109	-0.01
84		Bis(2-ethylhexyl)phthalate	0.676	0.730	-8.0	128	-0.02
85	c	Di-n-octyl phthalate	1.050	1.283	-22.2#	151#	-0.03
86	I	Perylene-d12	1.000	1.000	0.0	137	-0.02
87		Indeno(1,2,3-cd)pyrene	1.440	1.327	7.8	127	-0.04
88		Benzo(b)fluoranthene	1.347	1.144	15.1	118	-0.02
89		Benzo(k)fluoranthene	1.325	1.108	16.4	118	-0.02
90	C	Benzo(a)pyrene	1.131	1.008	10.9	124	-0.02
91		Dibenzo(a,h)anthracene	1.199	1.098	8.4	127	-0.04
92		Benzo(g,h,i)perylene	1.208	1.115	7.7	127	-0.04

Sample Results: **BM049833.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BM049833.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 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	108	-0.02
2		1,4-Dioxane	40.000	33.198	17.0	93	-0.02
3		Pyridine	40.000	34.743	13.1	95	-0.02
4		n-Nitrosodimethylamine	40.000	30.110	24.7	84	-0.02
5	S	2-Fluorophenol	80.000	71.055	11.2	97	-0.02
6		Aniline	40.000	36.432	8.9	101	-0.02
7	S	Phenol-d6	80.000	71.959	10.1	99	-0.02
8		2-Chlorophenol	40.000	37.269	6.8	103	-0.02
9		Benzaldehyde	40.000	37.475	6.3	109	-0.02
10	C	Phenol	40.000	35.891	10.3	100	-0.02
11		bis(2-Chloroethyl)ether	40.000	35.363	11.6	100	-0.02
12		1,3-Dichlorobenzene	40.000	36.241	9.4	102	-0.02
13	C	1,4-Dichlorobenzene	40.000	36.219	9.5	101	-0.02
14		1,2-Dichlorobenzene	40.000	35.968	10.1	100	-0.02
15		Benzyl Alcohol	40.000	37.097	7.3	101	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	33.701	15.7	95	-0.02
17		2-Methylphenol	40.000	38.071	4.8	104	-0.02
18		Hexachloroethane	40.000	35.706	10.7	98	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	35.542	11.1	96	-0.02
20		3+4-Methylphenols	40.000	38.426	3.9	105	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	111	-0.02
22		Acetophenone	40.000	34.476	13.8	98	-0.02
23	S	Nitrobenzene-d5	80.000	67.475	15.7	95	-0.02
24		Nitrobenzene	40.000	34.646	13.4	98	-0.02
25		Isophorone	40.000	37.434	6.4	105	-0.02
26	C	2-Nitrophenol	40.000	42.847	-7.1	118	-0.02
27		2,4-Dimethylphenol	40.000	39.036	2.4	110	-0.02
28		bis(2-Chloroethoxy)methane	40.000	35.434	11.4	102	-0.02
29	C	2,4-Dichlorophenol	40.000	38.660	3.4	108	-0.02
30		1,2,4-Trichlorobenzene	40.000	35.412	11.5	102	-0.02
31		Naphthalene	40.000	36.205	9.5	104	-0.02
32		Benzoic acid	40.000	51.174	-27.9#	147	-0.02
33		4-Chloroaniline	40.000	38.416	4.0	107	-0.02
34	C	Hexachlorobutadiene	40.000	35.250	11.9	101	-0.02
35		Caprolactam	40.000	46.408	-16.0	124	-0.02
36	C	4-Chloro-3-methylphenol	40.000	40.077	-0.2	110	-0.02
37		2-Methylnaphthalene	40.000	37.054	7.4	105	-0.02
38		1-Methylnaphthalene	40.000	37.141	7.1	106	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	118	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	34.160	14.6	103	-0.02
41	P	Hexachlorocyclopentadiene	40.000	33.719	15.7	99	-0.02
42	S	2,4,6-Tribromophenol	80.000	88.756	-10.9	122	-0.02
43	C	2,4,6-Trichlorophenol	40.000	39.511	1.2	115	-0.02
44		2,4,5-Trichlorophenol	40.000	38.849	2.9	113	-0.02
45	S	2-Fluorobiphenyl	80.000	67.690	15.4	101	-0.02
46		1,1'-Biphenyl	40.000	35.346	11.6	106	-0.02
47		2-Chloronaphthalene	40.000	35.335	11.7	106	-0.02

Sample Results: **BM049833.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.457	6.4	106	-0.02
49		Acenaphthylene	40.000	37.011	7.5	110	-0.02
50		Dimethylphthalate	40.000	37.852	5.4	112	-0.02
51		2,6-Dinitrotoluene	40.000	39.754	0.6	116	-0.02
52	C	Acenaphthene	40.000	35.772	10.6	106	-0.02
53		3-Nitroaniline	40.000	41.197	-3.0	117	-0.02
54	P	2,4-Dinitrophenol	40.000	44.285	-10.7	139	0.00
55		Dibenzofuran	40.000	35.995	10.0	109	-0.02
56	P	4-Nitrophenol	40.000	42.162	-5.4	122	-0.01
57		2,4-Dinitrotoluene	40.000	42.139	-5.3	119	-0.01
58		Fluorene	40.000	35.337	11.7	104	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	39.724	0.7	115	-0.01
60		Diethylphthalate	40.000	39.070	2.3	115	-0.02
61		4-Chlorophenyl-phenylether	40.000	34.638	13.4	102	-0.02
62		4-Nitroaniline	40.000	36.501	8.7	110	-0.01
63		Azobenzene	40.000	34.992	12.5	103	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	123	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	41.971	-4.9	135	-0.01
66	c	n-Nitrosodiphenylamine	40.000	36.203	9.5	112	-0.02
67		4-Bromophenyl-phenylether	40.000	36.585	8.5	115	-0.02
68		Hexachlorobenzene	40.000	36.882	7.8	117	-0.01
69		Atrazine	40.000	40.027	-0.1	128	-0.02
70	C	Pentachlorophenol	40.000	41.099	-2.7	128	-0.01
71		Phenanthrene	40.000	35.974	10.1	112	-0.02
72		Anthracene	40.000	36.958	7.6	115	-0.02
73		Carbazole	40.000	38.224	4.4	115	-0.01
74		Di-n-butylphthalate	40.000	41.947	-4.9	127	-0.02
75	C	Fluoranthene	40.000	38.320	4.2	116	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	119	-0.02
77		Benzidine	40.000	56.120	-40.3#	190	-0.02
78		Pyrene	40.000	36.885	7.8	115	-0.01
79	S	Terphenyl-d14	80.000	72.144	9.8	105	-0.01
80		Butylbenzylphthalate	40.000	45.653	-14.1	136	-0.02
81		Benzo(a)anthracene	40.000	36.453	8.9	111	-0.02
82		3,3'-Dichlorobenzidine	40.000	42.261	-5.7	133	-0.02
83		Chrysene	40.000	36.163	9.6	109	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	43.221	-8.1	128	-0.02
85	c	Di-n-octyl phthalate	40.000	48.859	-22.1#	151	-0.03
86	I	Perylene-d12	20.000	20.000	0.0	137	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	36.866	7.8	127	-0.04
88		Benzo(b)fluoranthene	40.000	33.977	15.1	118	-0.02
89		Benzo(k)fluoranthene	40.000	33.427	16.4	118	-0.02
90	C	Benzo(a)pyrene	40.000	35.644	10.9	124	-0.02
91		Dibenzo(a,h)anthracene	40.000	36.620	8.5	127	-0.04
92		Benzo(g,h,i)perylene	40.000	36.910	7.7	127	-0.04

Sample Results: **BM049833.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049833.D
Acq On : 07 Apr 2025 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 07 11:55:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

QC SAMPLE DATA

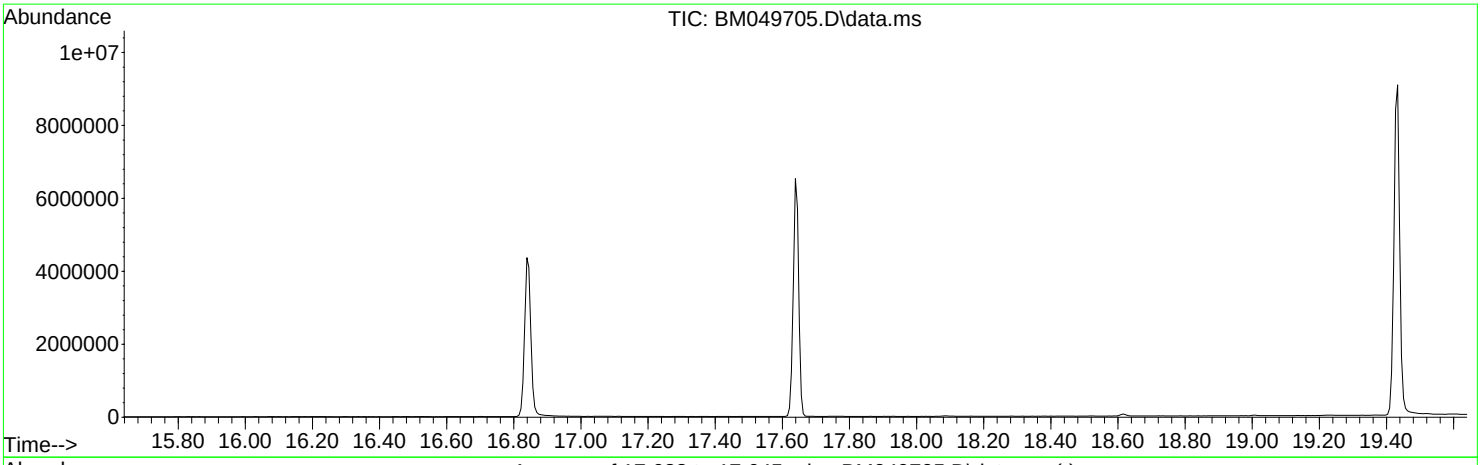
Sample Results: **BM049705.D**

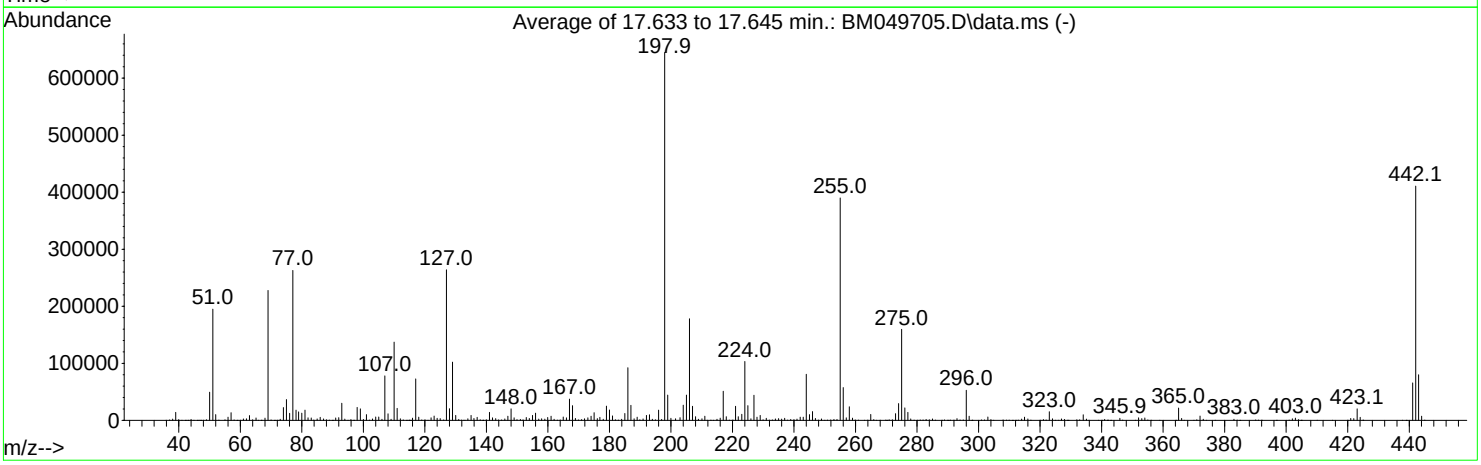
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049705.D
Acq On : 13 Mar 2025 08:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 14:55:34 2025





AutoFind: Scans 2490, 2491, 2492; Background Corrected with Scan 2483

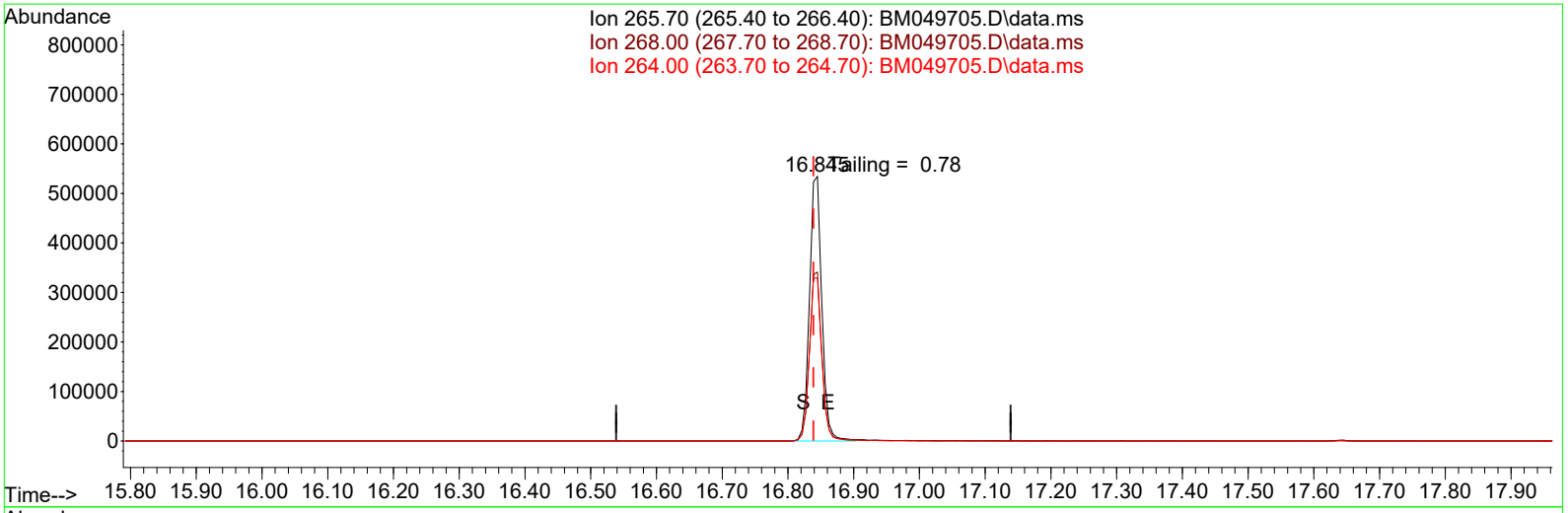
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.2	195050	PASS
68	69	0.00	2	1.7	3856	PASS
69	198	0.00	100	35.3	227755	PASS
70	69	0.00	2	0.4	953	PASS
127	198	10	80	40.9	264085	PASS
197	198	0.00	2	0.2	1585	PASS
198	198	100	100	100.0	644928	PASS
199	198	5	9	6.9	44307	PASS
275	198	10	60	24.7	159525	PASS
365	198	1	100	3.4	21715	PASS
441	198	0.01	100	10.2	65573	PASS
442	442	50	100	100.0	410773	PASS
443	442	15	24	19.4	79851	PASS

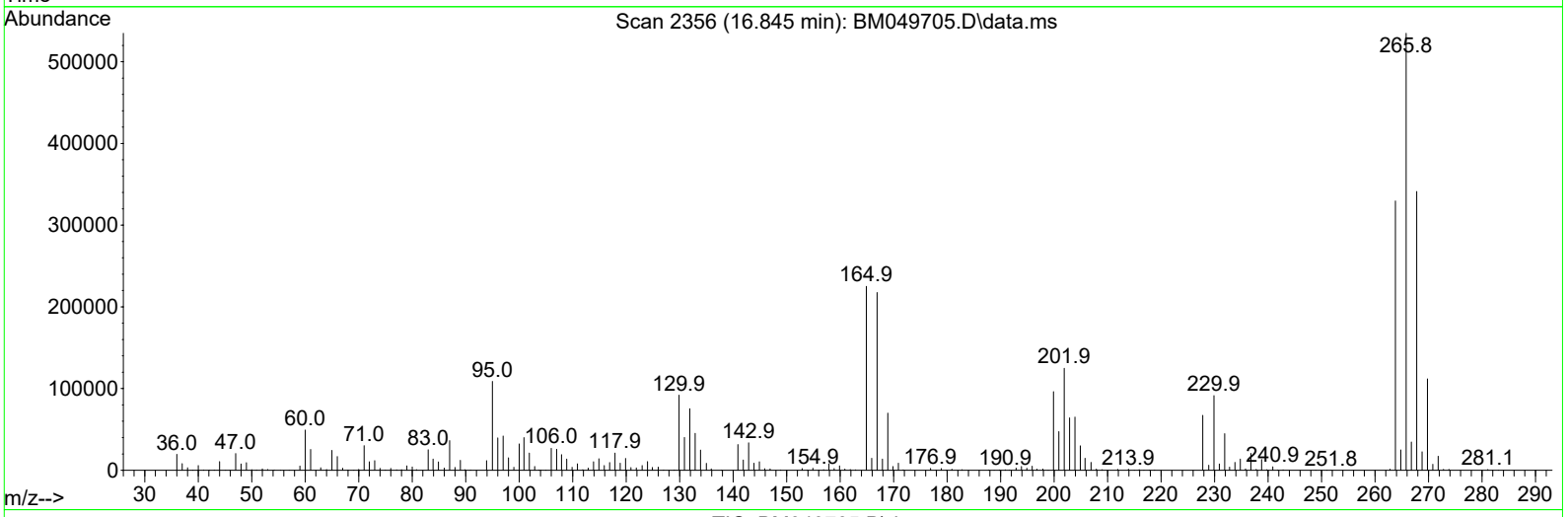
Sample Results: **BM049705.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049705.D
Acq On : 13 Mar 2025 08:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Mar 13 14:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration





TIC: BM049705.D\data.ms

(70) Pentachlorophenol (C)

16.845min (+ 0.006) 240791.00 ng

response 705303

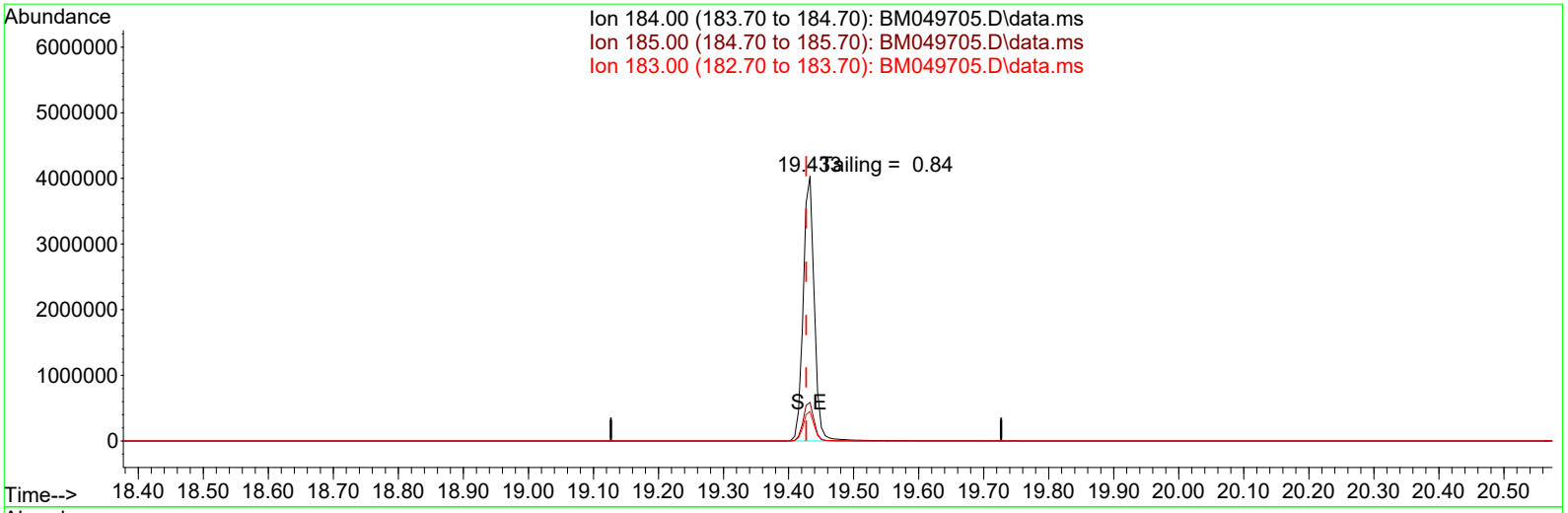
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.70	63.81
264.00	64.10	61.63
0.00	0.00	0.00

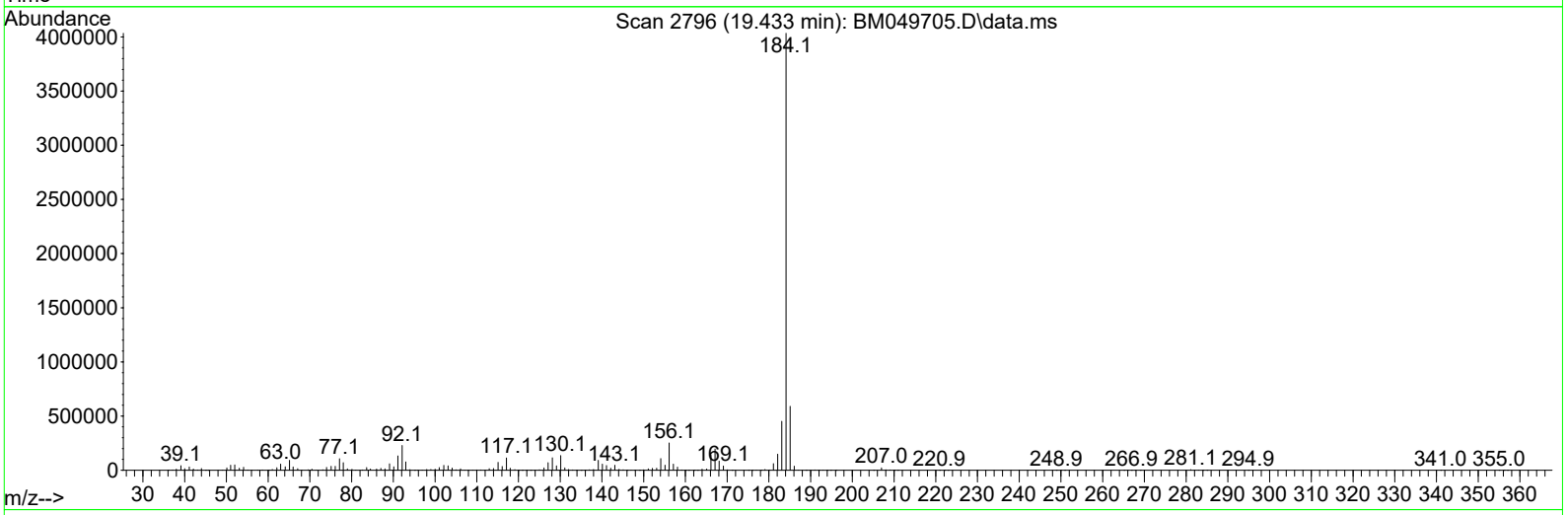
Sample Results: **BM049705.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049705.D
Acq On : 13 Mar 2025 08:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Mar 13 14:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration





TIC: BM049705.D\data.ms

(77) Benzidine

19.433min (+ 0.006) 192481.98 ng

response 4789142

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.64
183.00	11.00	11.19
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/13/2025	BNA_M	BM049705.D
Compound Name	**Response**	**Retention Time**
DDT	2260553	20.674
DDD	15649	20.286
DDE	487	19.721
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
16136	2276689	0.71

Instrument :
BNA_M
ClientSampleId :
DFTPP

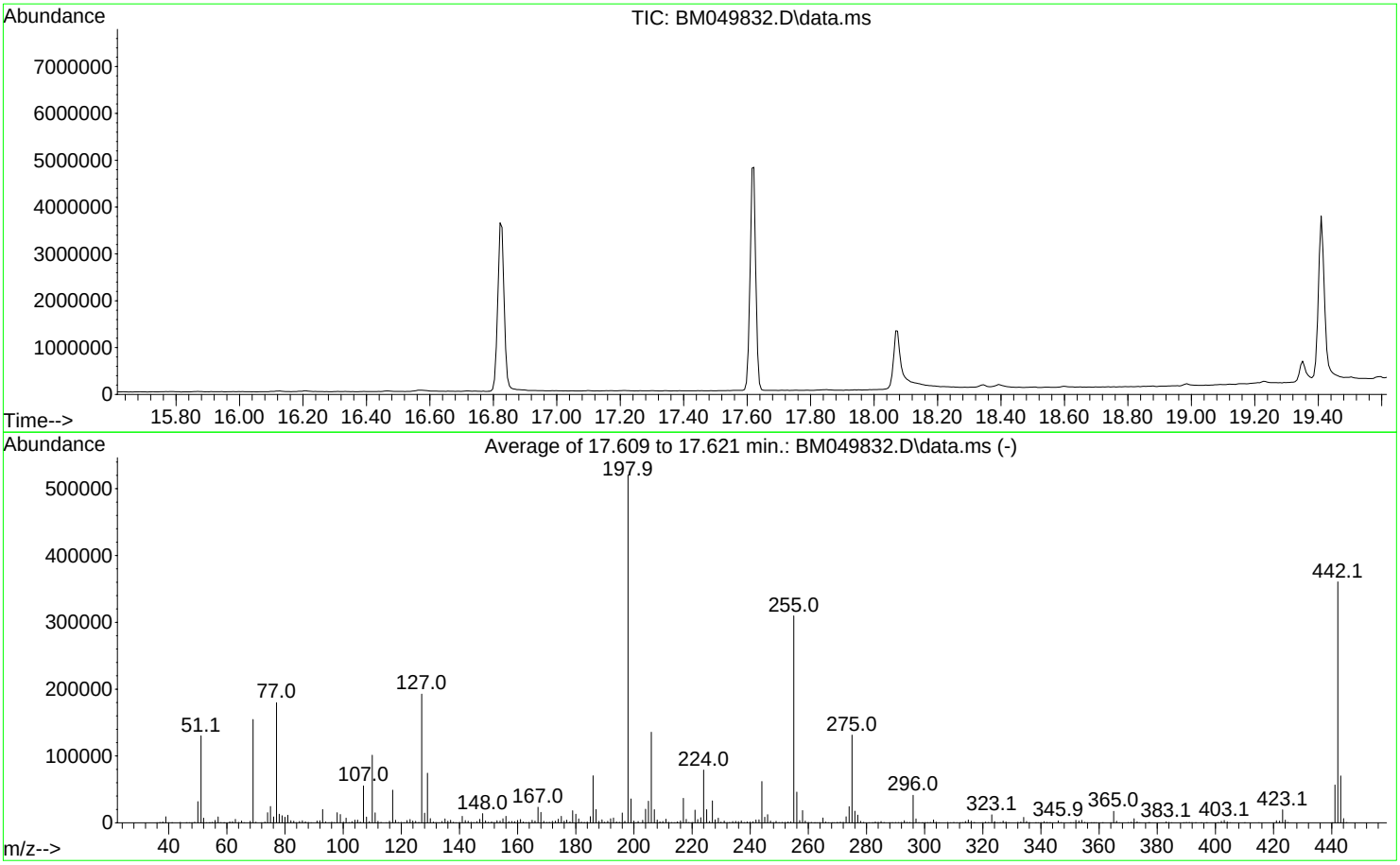
Sample Results: **BM049832.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049832.D
Acq On : 07 Apr 2025 10:04
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-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 14:55:34 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	25.0	130102	PASS
68	69	0.00	2	1.4	2212	PASS
69	198	0.00	100	29.7	154617	PASS
70	69	0.00	2	0.5	813	PASS
127	198	10	80	37.0	192677	PASS
197	198	0.00	2	0.4	2189	PASS
198	198	100	100	100.0	520448	PASS
199	198	5	9	6.9	35763	PASS
275	198	10	60	25.2	131323	PASS
365	198	1	100	3.3	17327	PASS
441	198	0.01	100	10.9	56533	PASS
442	442	50	100	100.0	360597	PASS
443	442	15	24	19.5	70301	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/7/2025	BNA_M	BM049832.D
Compound Name	**Response**	**Retention Time**
DDT	1617502	20.65
DDD	42454	20.209
DDE	1581	19.703
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
44035	1661537	2.65

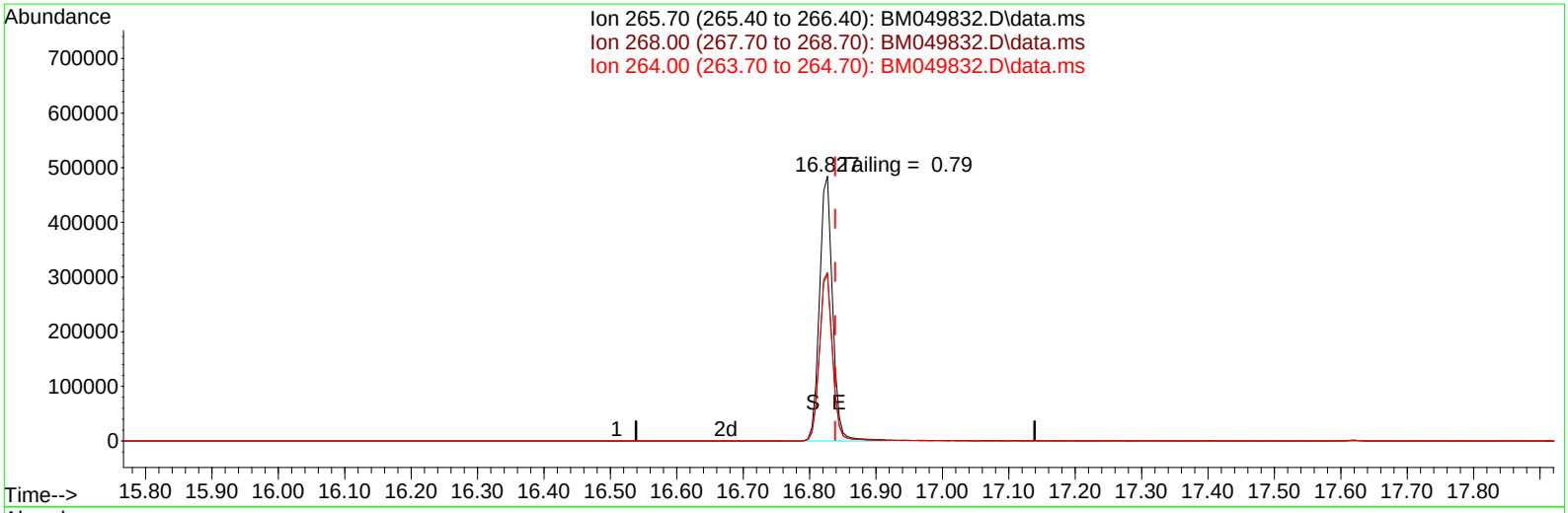
Instrument :
BNA_M
ClientSampleId :
DFTPP

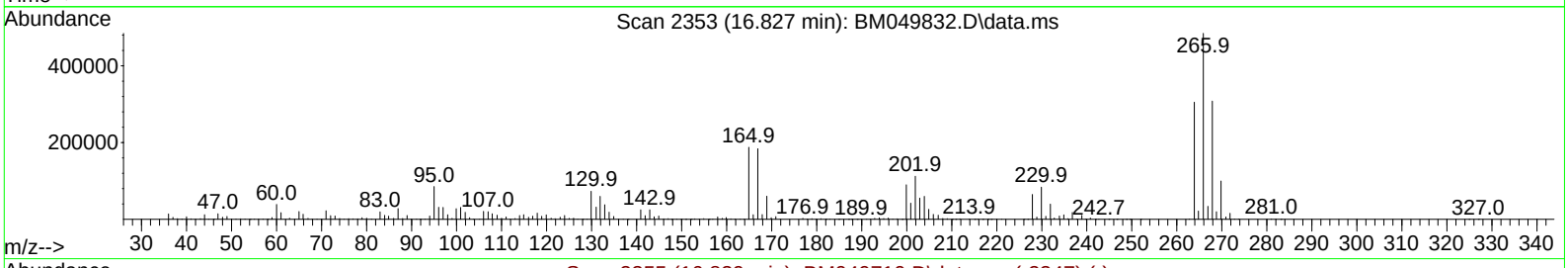
Sample Results: **BM049832.D**

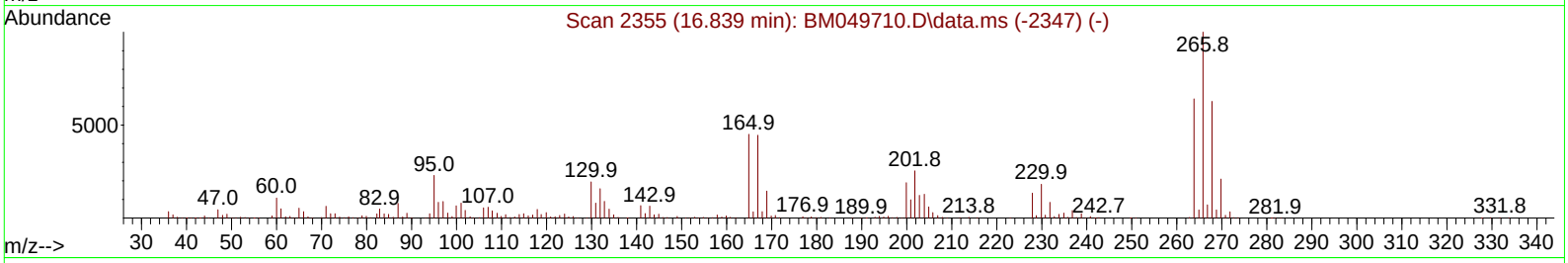
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049832.D
Acq On : 07 Apr 2025 10:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 07 11:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration







TIC: BM049832.D\data.ms

(70) Pentachlorophenol (C)

16.827min (-0.012) 198903.16 ng m

response 666998

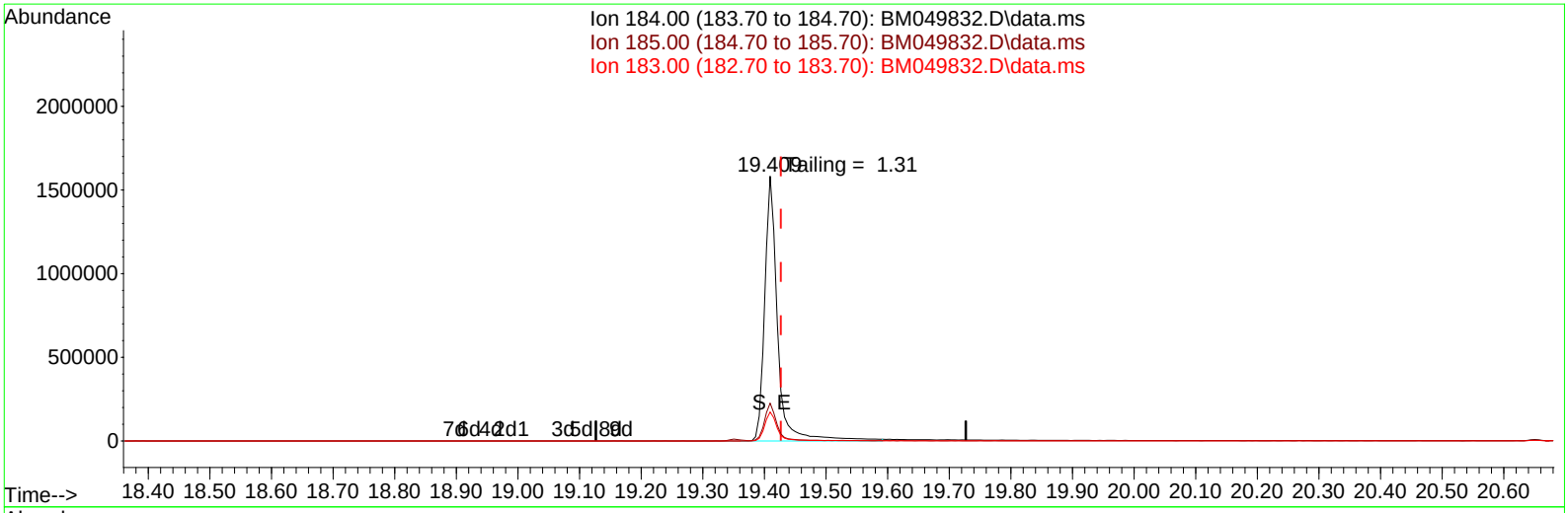
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.70	63.57
264.00	64.10	62.98
0.00	0.00	0.00

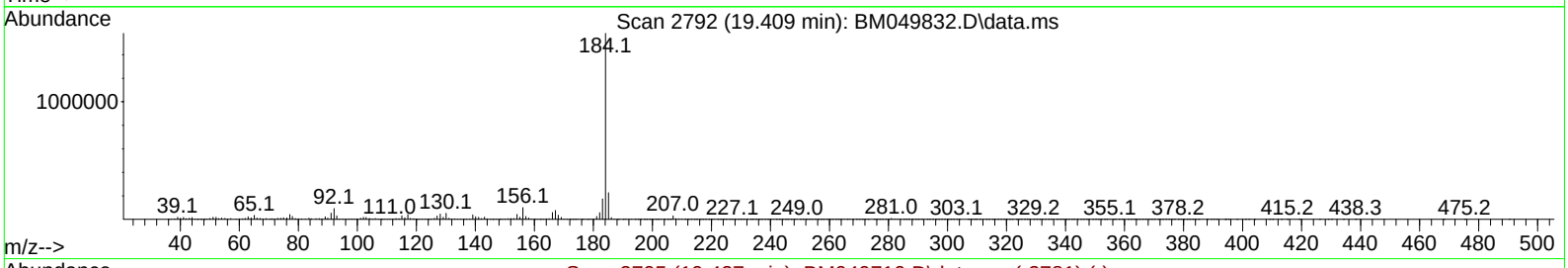
Sample Results: **BM049832.D**

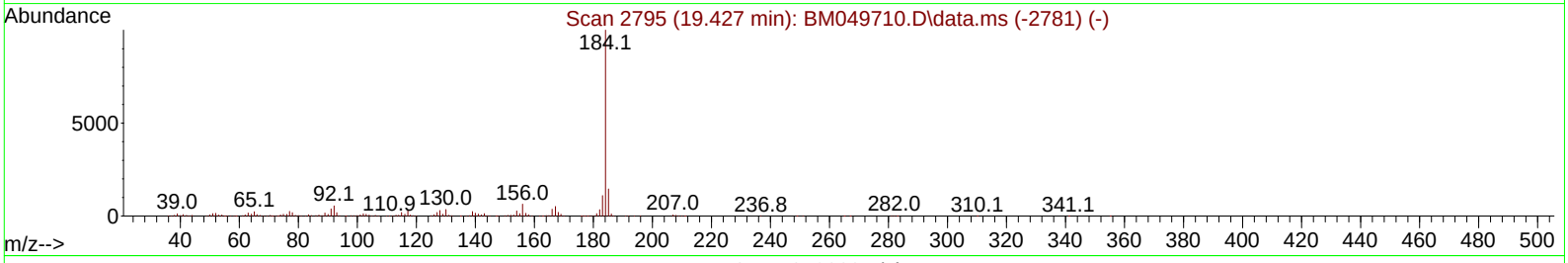
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049832.D
Acq On : 07 Apr 2025 10:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 07 11:52:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration







TIC: BM049832.D\data.ms

(77) Benzidine

19.409min (-0.018) 1046979.26 ng m

response 2352162

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.32
183.00	11.00	10.99
0.00	0.00	0.00

Raw Data: **BM049834.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167457BL			SDG No.:	Q1675
Lab Sample ID:	PB167457BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049834.D	1	04/04/25 10:32	04/07/25 11:23	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	86.4		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.4		30 (20) - 130 (109)	86%	SPK: 100
1718-51-0	Terphenyl-d14	102		30 (10) - 130 (105)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	318000	7.787			
1146-65-2	Naphthalene-d8	1090000	10.58			
15067-26-2	Acenaphthene-d10	685000	14.427			
1517-22-2	Phenanthrene-d10	1340000	17.168			
1719-03-5	Chrysene-d12	1280000	21.403			
1520-96-3	Perylene-d12	1460000	24.409			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	A		4.90	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J		18.1	ug/Kg

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

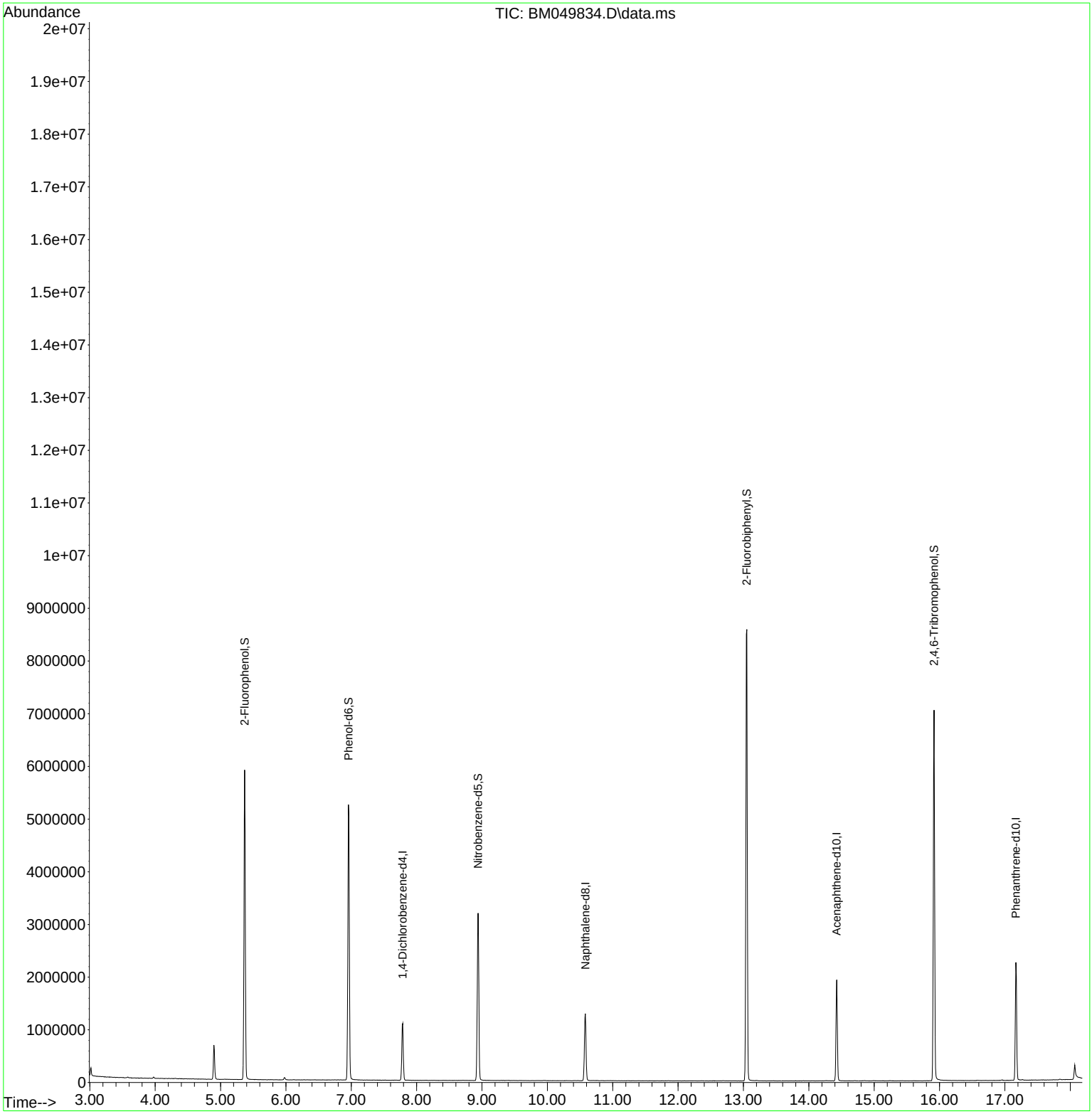
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	317785	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1088351	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	684928	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1337160	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1275922	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1458537	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2552711	135.540	ng	-0.02
7) Phenol-d6	6.957	99	3081086	130.360	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1830612	86.357	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1396852	174.652	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	4727924	86.449	ng	-0.02
79) Terphenyl-d14	19.797	244	7746331	102.306	ng	-0.01
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

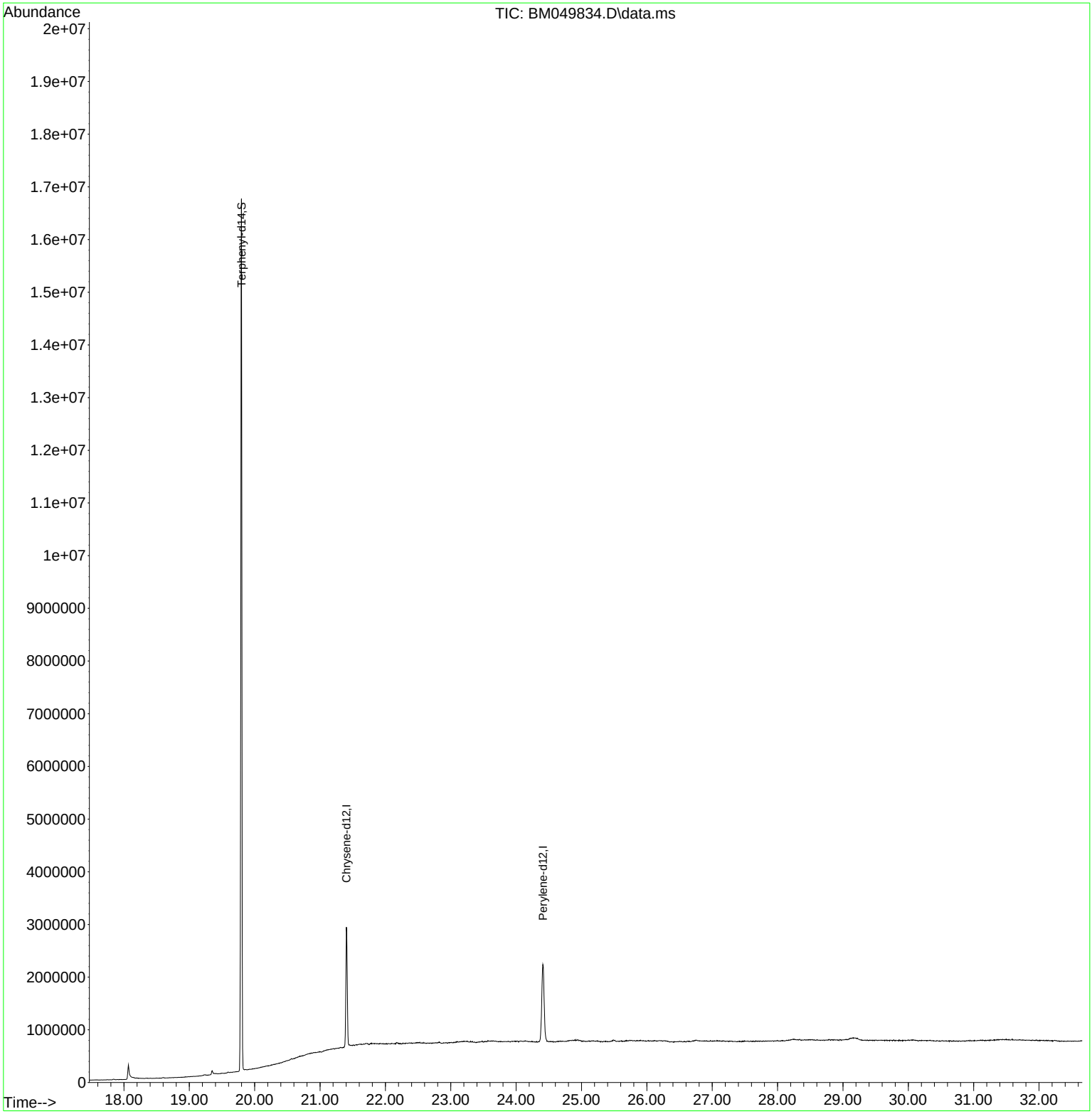


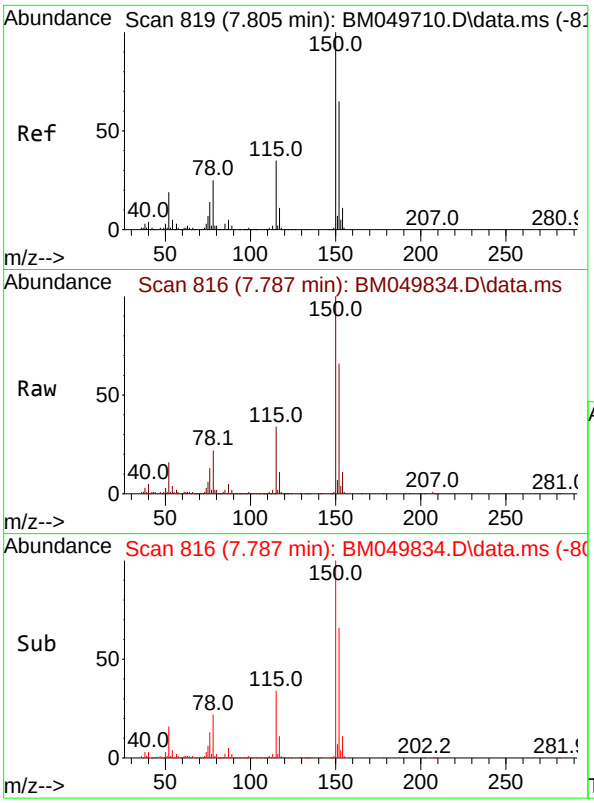
Sample Results: **BM049834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049834.D
Acq On : 07 Apr 2025 11:23
Operator : RC/JU
Sample : PB167457BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Quant Time: Apr 07 12:18:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



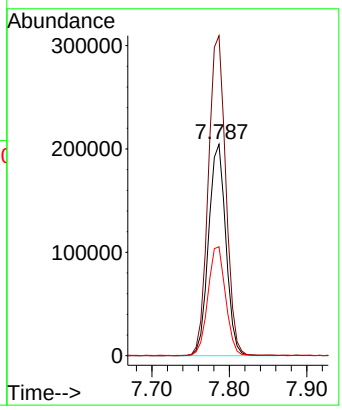


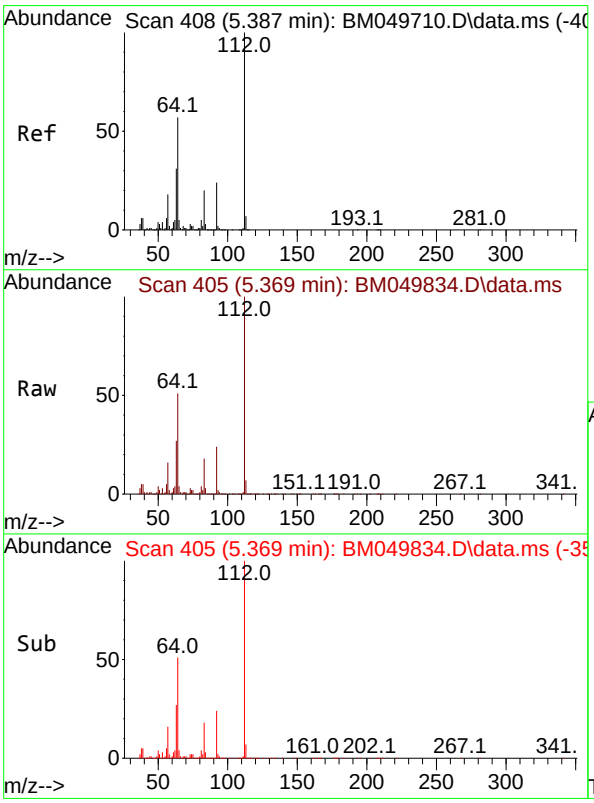
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:152 Resp: 317785

Ion	Ratio	Lower	Upper
152	100		
150	151.4	123.8	185.8
115	51.6	43.0	64.6

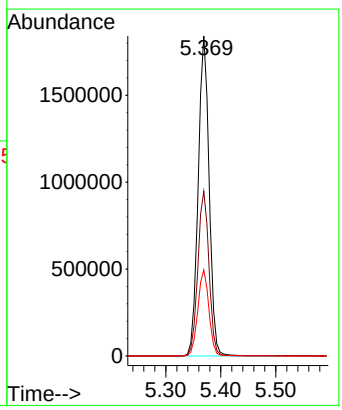


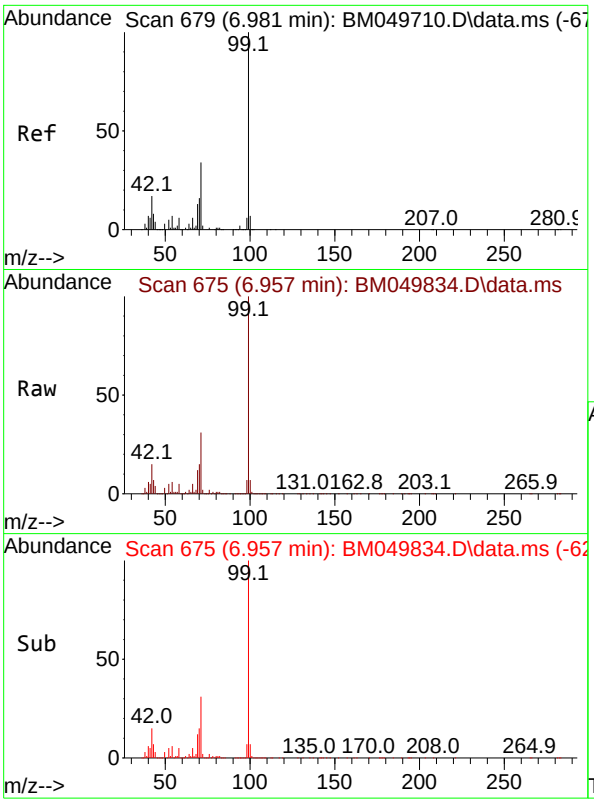


#5
2-Fluorophenol
Concen: 135.540 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:112 Resp: 2552711

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.9	24.4	36.6



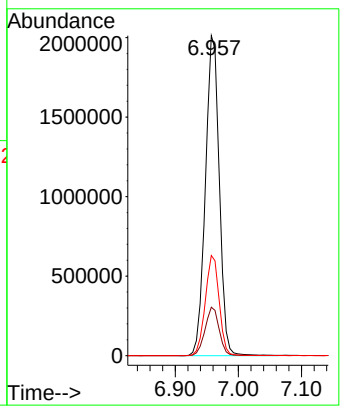


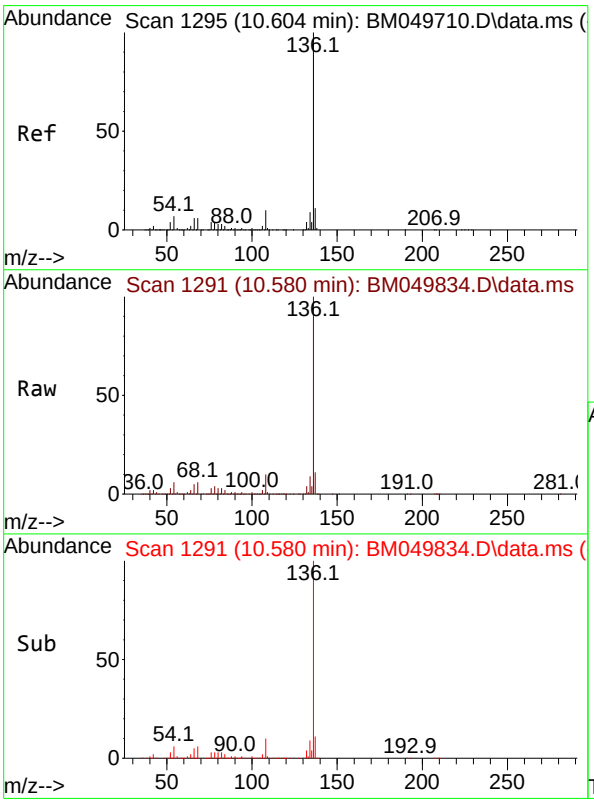
#7
Phenol-d6
Concen: 130.360 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion: 99 Resp: 3081086

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.6	20.4
71	31.3	27.0	40.6

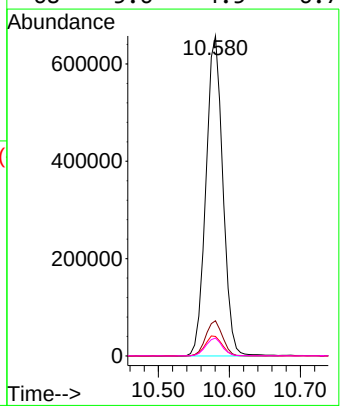


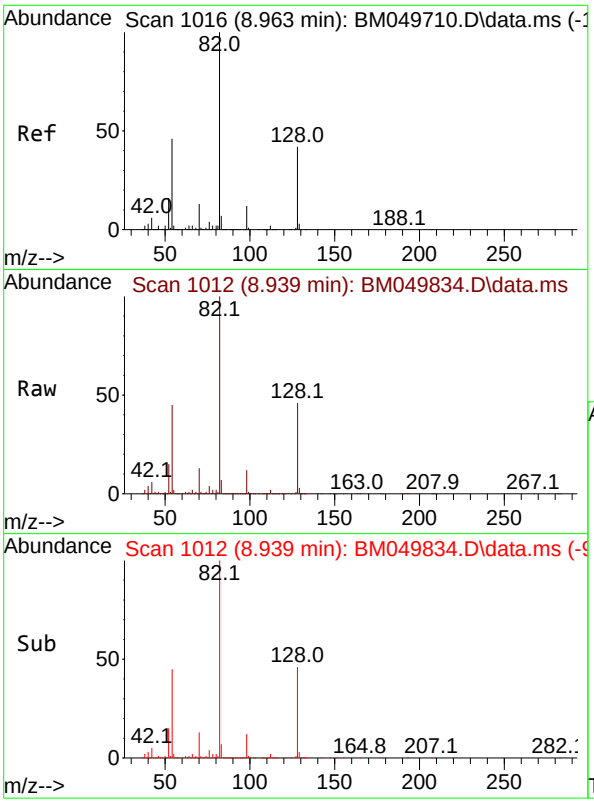


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:136 Resp: 1088351

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.1	5.8	8.8
68	5.6	4.5	6.7



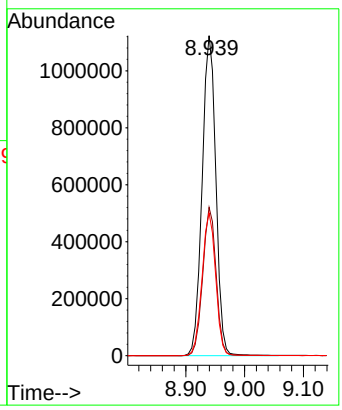


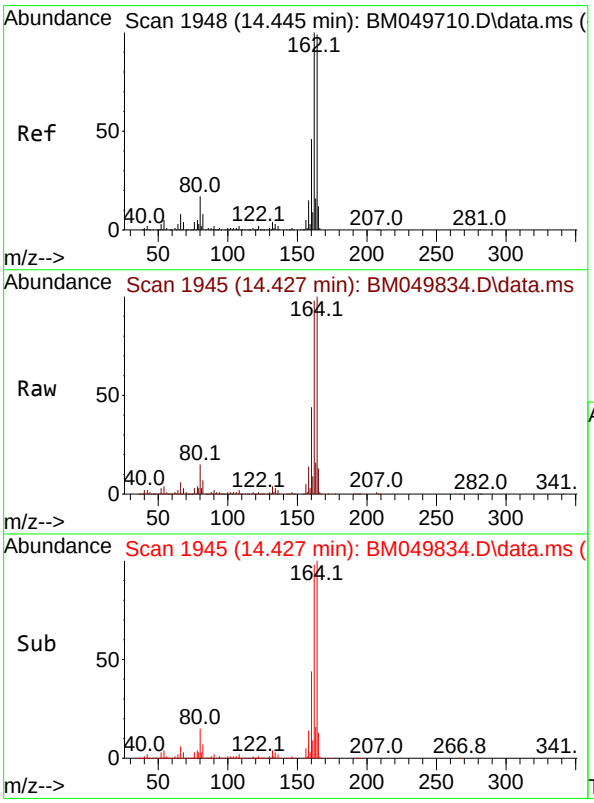
#23
Nitrobenzene-d5
Concen: 86.357 ng
RT: 8.939 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion: 82 Resp: 1830612

Ion	Ratio	Lower	Upper
82	100		
128	46.4	33.4	50.0
54	44.6	36.4	54.6

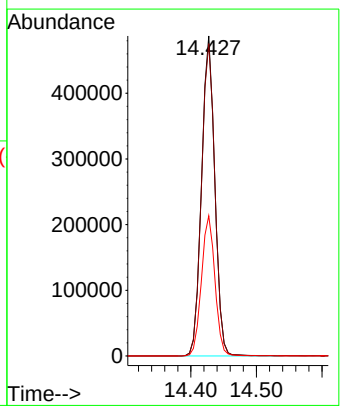


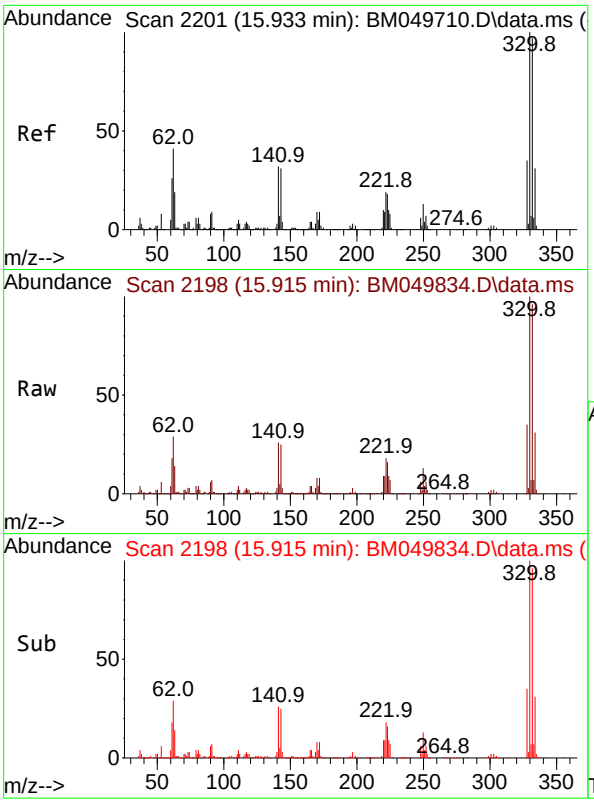


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:164 Resp: 684928

Ion	Ratio	Lower	Upper
164	100		
162	97.6	80.5	120.7
160	43.8	36.9	55.3



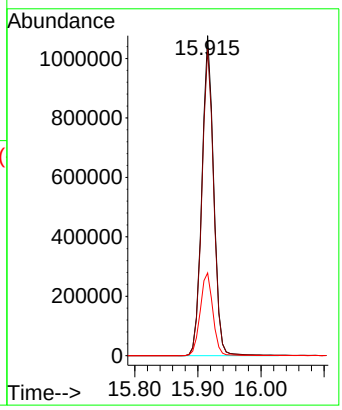


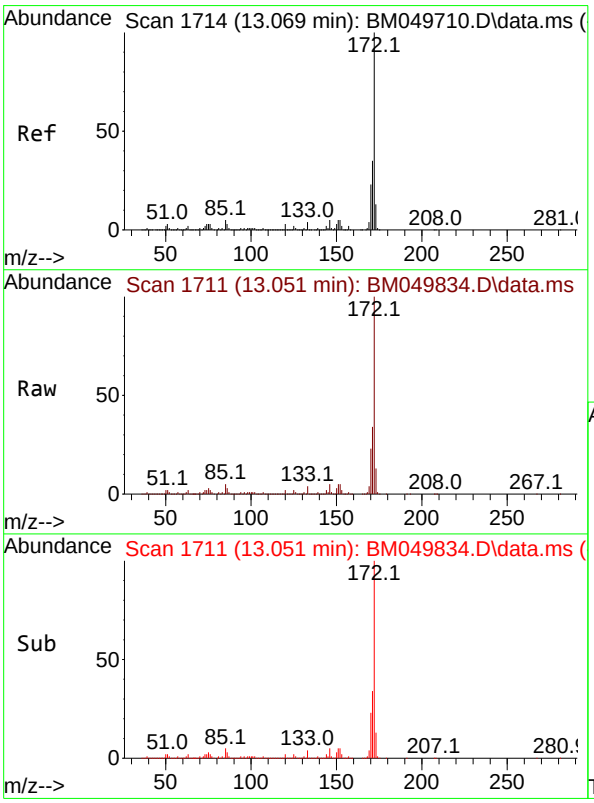
#42
2,4,6-Tribromophenol
Concen: 174.652 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:330 Resp: 1396852

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.4
141	27.8	27.8	41.6

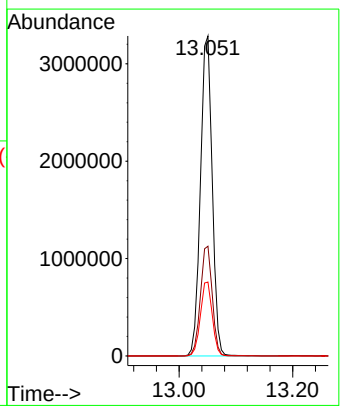


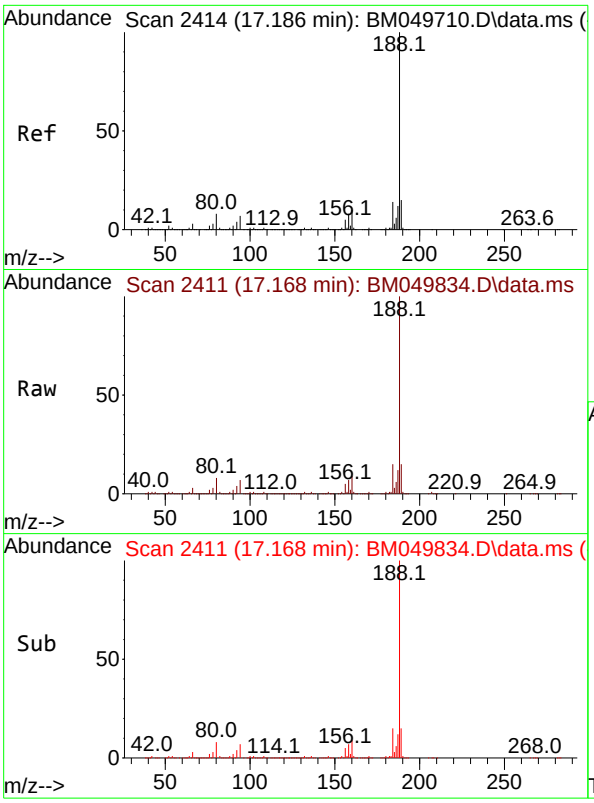


#45
2-Fluorobiphenyl
Concen: 86.449 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:172 Resp: 4727924

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	23.1	18.6	28.0



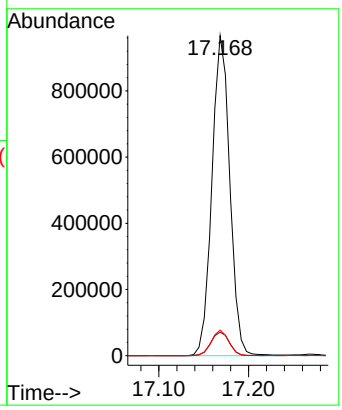


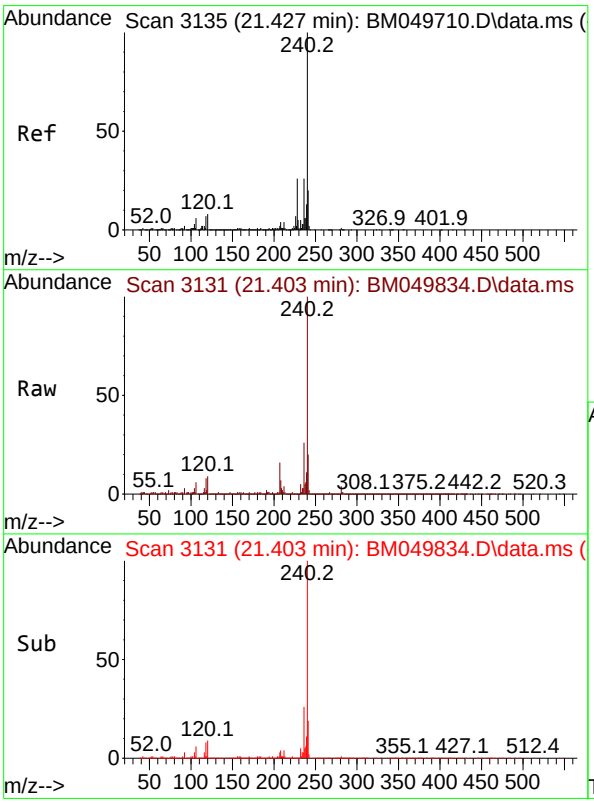
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:188 Resp: 1337160

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	8.0	6.3	9.5

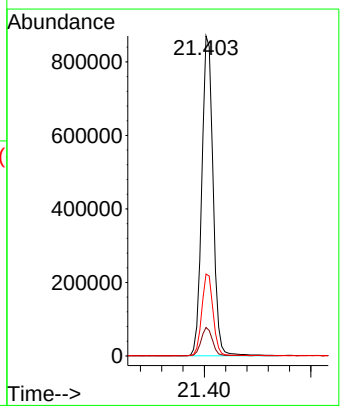


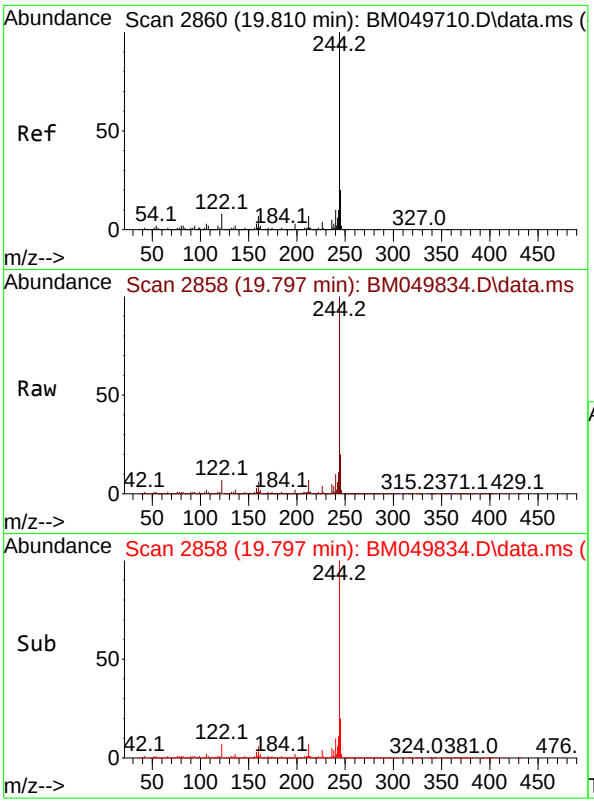


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:240 Resp: 1275922

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	25.6	20.7	31.1



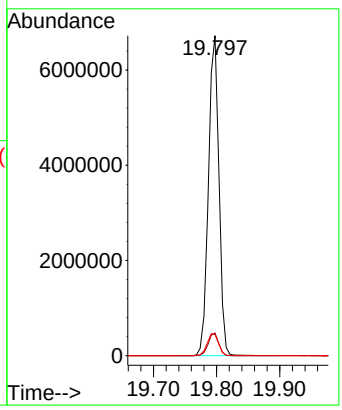


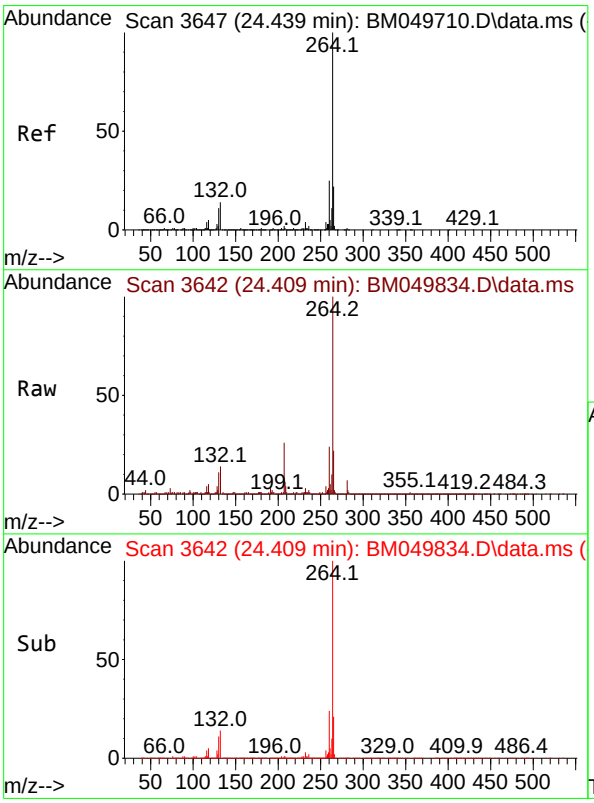
#79
Terphenyl-d14
Concen: 102.306 ng
RT: 19.797 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Instrument :
BNA_M
ClientSampleId :
PB167457BL

Tgt Ion:244 Resp: 7746331

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.6	6.0	9.0

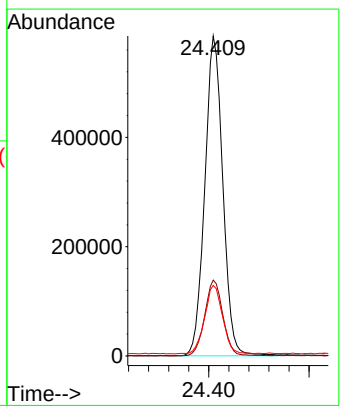




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049834.D
Acq: 07 Apr 2025 11:23

Tgt Ion:264 Resp: 1458537

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.0	18.2	27.2



Raw Data: **BM049835.D**

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Stockton			Date Received:	
Client Sample ID:	PB167457BS			SDG No.:	Q1675
Lab Sample ID:	PB167457BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BM049835.D	1	04/04/25 10:32	04/07/25 12:02	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		22.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	89.7		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.6		30 (20) - 130 (109)	92%	SPK: 100
1718-51-0	Terphenyl-d14	102		30 (10) - 130 (105)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	303000	7.787			
1146-65-2	Naphthalene-d8	1060000	10.58			
15067-26-2	Acenaphthene-d10	655000	14.427			
1517-22-2	Phenanthrene-d10	1270000	17.168			
1719-03-5	Chrysene-d12	1230000	21.409			
1520-96-3	Perylene-d12	1340000	24.409			

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	302641	20.000	ng		-0.02
21) Naphthalene-d8	10.580	136	1057941	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	655262	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1274582	20.000	ng		-0.02
76) Chrysene-d12	21.409	240	1227514	20.000	ng		-0.02
86) Perylene-d12	24.409	264	1340439	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	2603223	145.138	ng		-0.02
7) Phenol-d6	6.963	99	3170979	140.877	ng		-0.02
23) Nitrobenzene-d5	8.939	82	1848286	89.697	ng		-0.02
42) 2,4,6-Tribromophenol	15.915	330	1440540	188.269	ng		-0.02
45) 2-Fluorobiphenyl	13.051	172	4794312	91.632	ng		-0.02
79) Terphenyl-d14	19.792	244	7449014	102.259	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	310954	40.048	ng		97
3) Pyridine	3.663	79	866549	43.700	ng		98
4) n-Nitrosodimethylamine	3.569	42	361709	41.226	ng		88
6) Aniline	7.110	93	970965	51.489	ng		97
8) 2-Chlorophenol	7.351	128	960731	54.090	ng		97
9) Benzaldehyde	6.922	77	531809	47.792	ng		98
10) Phenol	6.987	94	1135143	52.010	ng		94
11) bis(2-Chloroethyl)ether	7.204	93	889584	50.333	ng		98
12) 1,3-Dichlorobenzene	7.675	146	1117467	51.770	ng		98
13) 1,4-Dichlorobenzene	7.822	146	1123597	51.598	ng		97
14) 1,2-Dichlorobenzene	8.139	146	1077518	52.066	ng		98
15) Benzyl Alcohol	8.022	79	764536	54.125	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1026287m	49.406	ng		
17) 2-Methylphenol	8.234	107	733756	56.627	ng		96
18) Hexachloroethane	8.863	117	392683	51.064	ng		92
19) n-Nitroso-di-n-propyla...	8.592	70	642257	49.208	ng		97
20) 3+4-Methylphenols	8.557	107	982039	56.553	ng		97
22) Acetophenone	8.604	105	1296521	47.529	ng	#	98
24) Nitrobenzene	8.981	77	926570	47.688	ng		95
25) Isophorone	9.510	82	1731740	54.737	ng		98
26) 2-Nitrophenol	9.692	139	494383	59.782	ng		95
27) 2,4-Dimethylphenol	9.757	122	825041	78.378	ng		95
28) bis(2-Chloroethoxy)met...	9.992	93	1102948	49.498	ng		100
29) 2,4-Dichlorophenol	10.233	162	931527	54.309	ng		98
30) 1,2,4-Trichlorobenzene	10.445	180	1064144	49.587	ng		99
31) Naphthalene	10.628	128	2653033	48.769	ng		100
32) Benzoic acid	9.898	122	573772	64.092	ng		96
33) 4-Chloroaniline	10.733	127	498642	26.858	ng		98
34) Hexachlorobutadiene	10.922	225	668135	50.433	ng		100
35) Caprolactam	11.522	113	252703	63.457	ng		88
36) 4-Chloro-3-methylphenol	11.874	107	803565	54.591	ng		97
37) 2-Methylnaphthalene	12.245	142	1727651	45.418	ng		99
38) 1-Methylnaphthalene	12.463	142	1816645	49.500	ng		99
40) 1,2,4,5-Tetrachloroben...	12.616	216	1188547	49.381	ng		99
41) Hexachlorocyclopentadiene	12.598	237	1735350	194.615	ng		98
43) 2,4,6-Trichlorophenol	12.857	196	763484	56.637	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

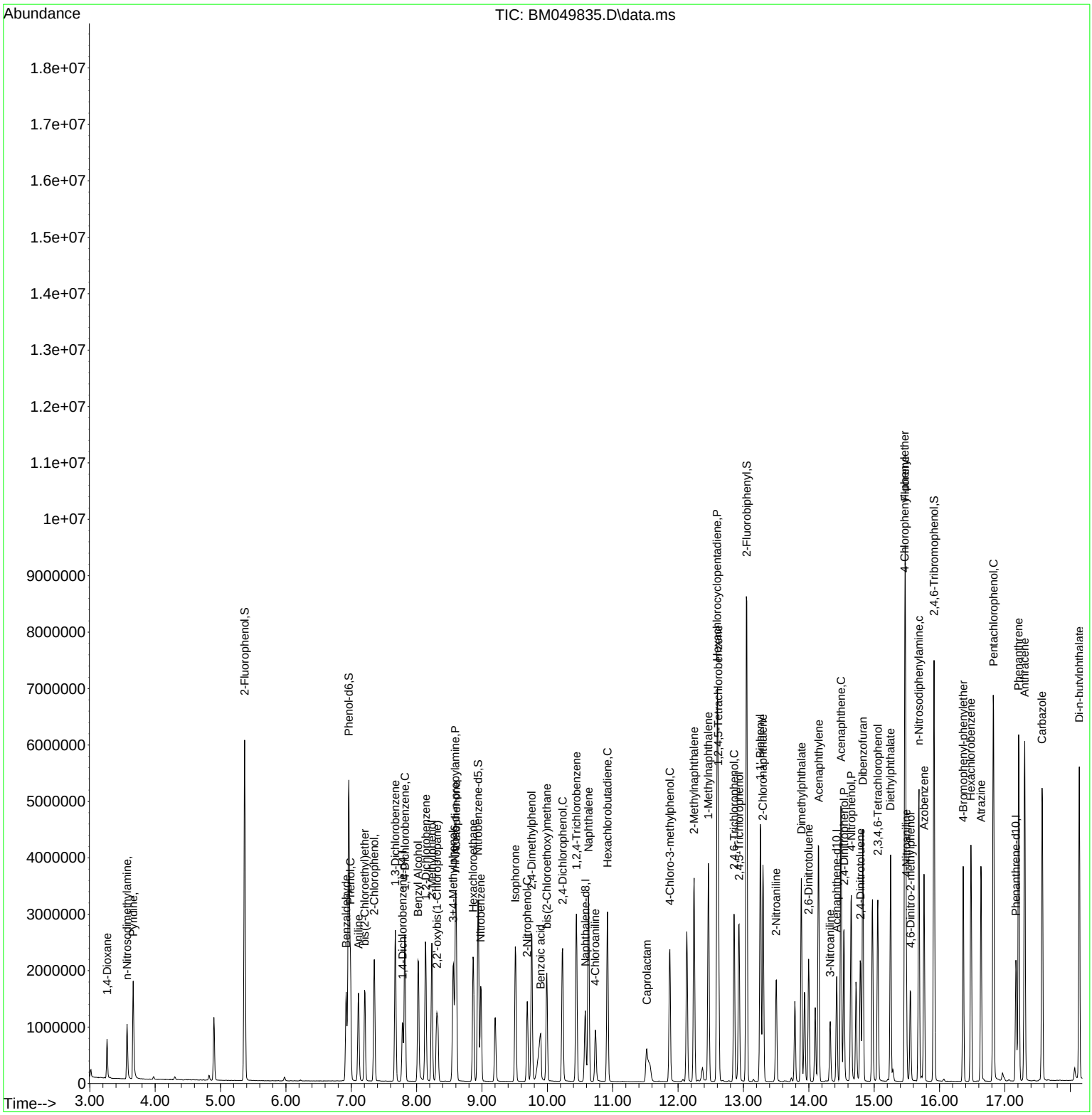
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	828758	56.338	ng		97
46) 1,1'-Biphenyl	13.257	154	2488311	49.272	ng		99
47) 2-Chloronaphthalene	13.298	162	1986776	50.543	ng		99
48) 2-Nitroaniline	13.498	65	474795	53.805	ng		92
49) Acenaphthylene	14.151	152	3078171	56.023	ng		100
50) Dimethylphthalate	13.886	163	2369811	52.529	ng		99
51) 2,6-Dinitrotoluene	13.998	165	512724	56.720	ng		90
52) Acenaphthene	14.492	154	1788612	49.628	ng		98
53) 3-Nitroaniline	14.327	138	292564	34.011	ng		95
54) 2,4-Dinitrophenol	14.539	184	670138	103.811	ng	#	88
55) Dibenzofuran	14.827	168	2910751	48.468	ng		98
56) 4-Nitrophenol	14.651	139	935144	124.890	ng		88
57) 2,4-Dinitrotoluene	14.792	165	714379	61.416	ng		89
58) Fluorene	15.474	166	2421737	49.529	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.057	232	700873	56.918	ng		98
60) Diethylphthalate	15.251	149	2223354	52.327	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	1309037	49.027	ng		97
62) 4-Nitroaniline	15.492	138	496912	48.508	ng		92
63) Azobenzene	15.762	77	1920304	47.315	ng		95
65) 4,6-Dinitro-2-methylph...	15.557	198	415746	57.020	ng		96
66) n-Nitrosodiphenylamine	15.686	169	2055011	53.215	ng		97
67) 4-Bromophenyl-phenylether	16.362	248	778250	52.885	ng		98
68) Hexachlorobenzene	16.480	284	882335	53.319	ng		98
69) Atrazine	16.633	200	755933	88.822	ng		100
70) Pentachlorophenol	16.827	266	1294388	124.467	ng		99
71) Phenanthrene	17.209	178	3712945	52.462	ng		100
72) Anthracene	17.304	178	3775589	55.085	ng		99
73) Carbazole	17.568	167	3426771	55.205	ng		100
74) Di-n-butylphthalate	18.139	149	3958932	58.189	ng		99
75) Fluoranthene	19.227	202	4411665	54.143	ng		99
77) Benzidine	19.409	184	2406945	163.212	ng		99
78) Pyrene	19.592	202	4541810	52.959	ng		100
80) Butylbenzylphthalate	20.492	149	1736401	65.242	ng		96
81) Benzo(a)anthracene	21.392	228	4431789	54.053	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	986523	36.957	ng		99
83) Chrysene	21.450	228	4125400	53.079	ng		100
84) Bis(2-ethylhexyl)phtha...	21.315	149	2538850	61.209	ng		98
85) Di-n-octyl phthalate	22.450	149	4373488	67.839	ng		97
87) Indeno(1,2,3-cd)pyrene	27.803	276	5466399	56.659	ng		100
88) Benzo(b)fluoranthene	23.468	252	4380628	48.521	ng		99
89) Benzo(k)fluoranthene	23.527	252	4337874	48.829	ng		99
90) Benzo(a)pyrene	24.274	252	4244481	55.970	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	4490850	55.869	ng		99
92) Benzo(g,h,i)perylene	28.868	276	4374612	54.030	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

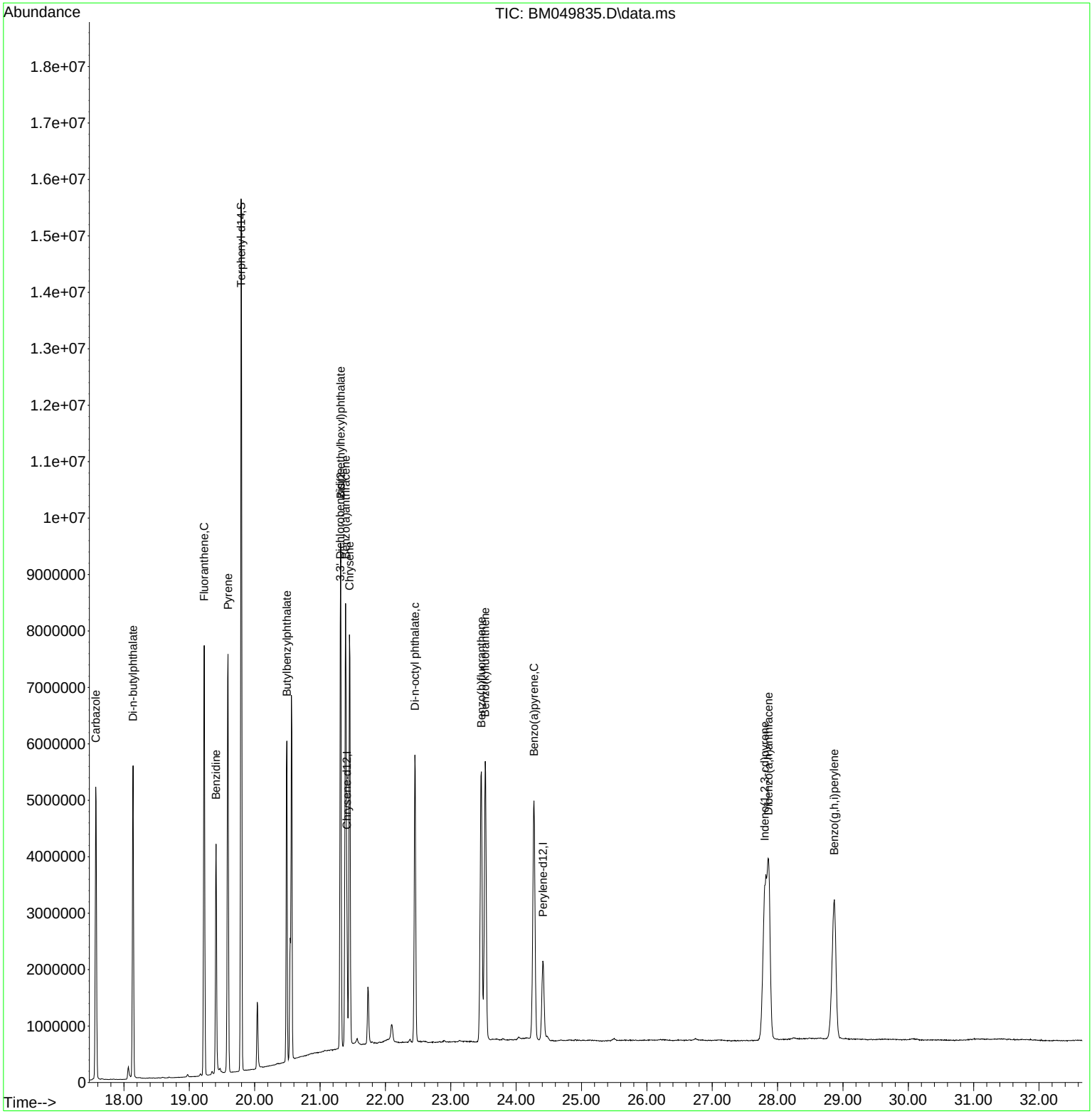


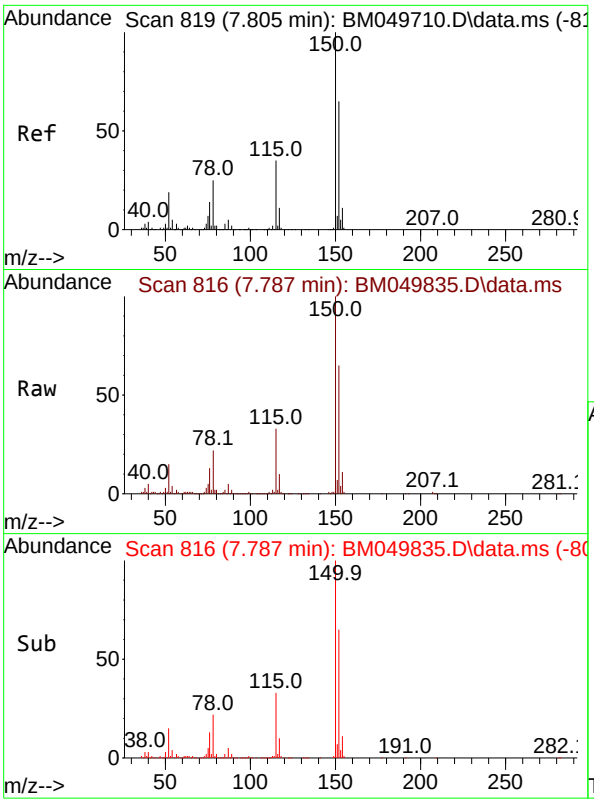
Sample Results: **BM049835.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049835.D
Acq On : 07 Apr 2025 12:02
Operator : RC/JU
Sample : PB167457BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Quant Time: Apr 07 12:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



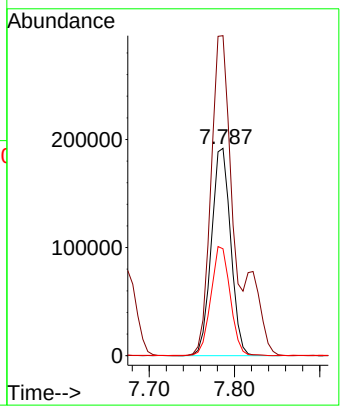


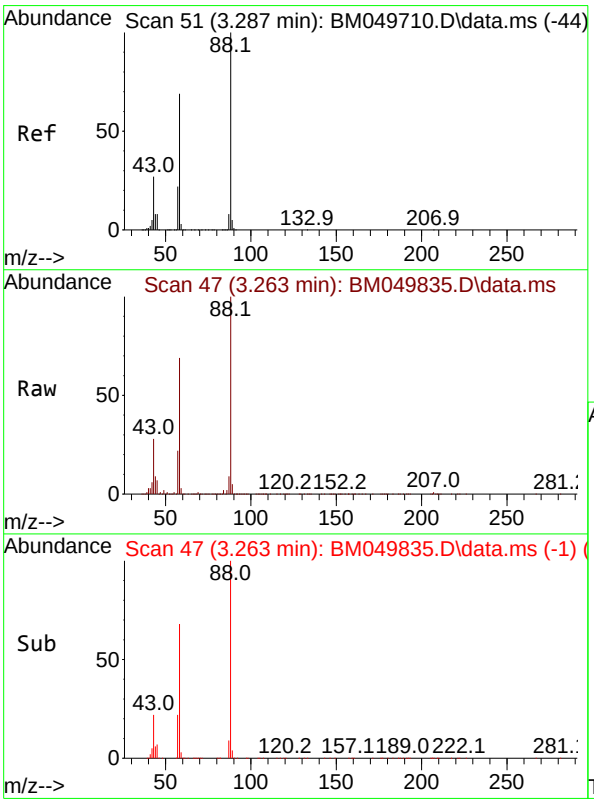
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:152 Resp: 302641

Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.8	185.8
115	51.5	43.0	64.6

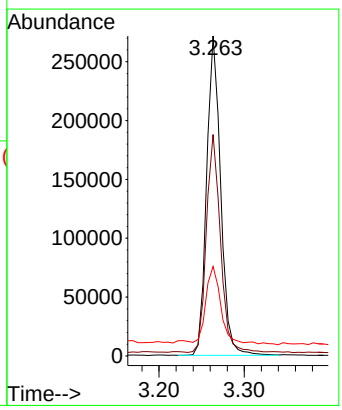


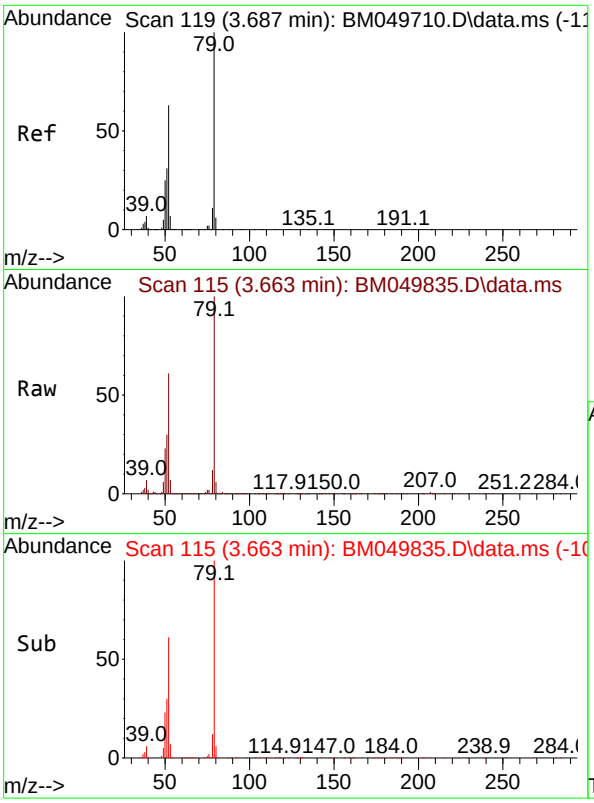


#2
1,4-Dioxane
Concen: 40.048 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 88 Resp: 310954

Ion	Ratio	Lower	Upper
88	100		
58	68.3	56.7	85.1
43	27.2	22.6	34.0



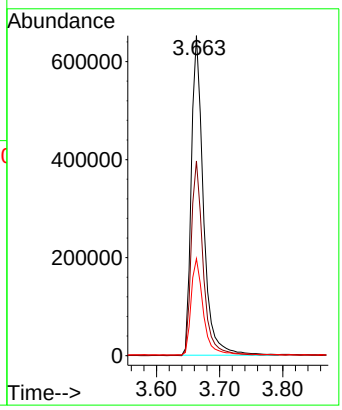


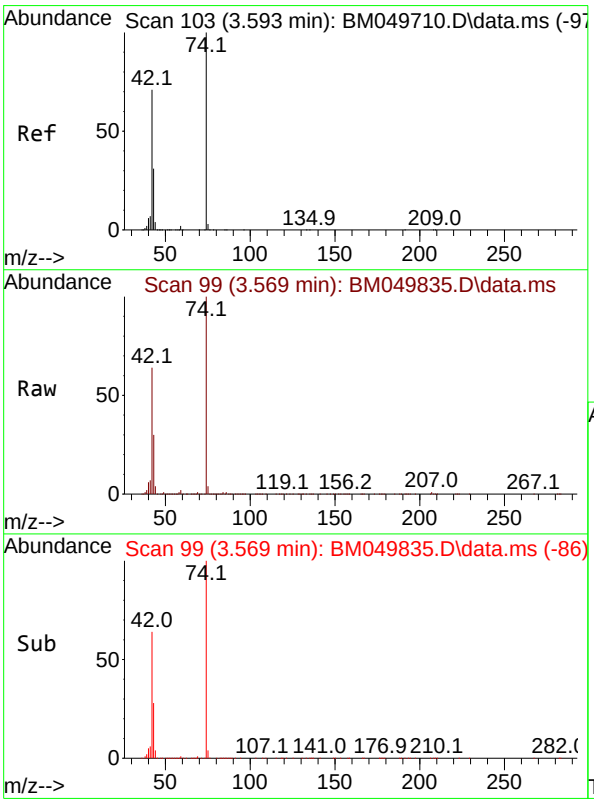
#3
Pyridine
Concen: 43.700 ng
RT: 3.663 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 79 Resp: 866549

Ion	Ratio	Lower	Upper
79	100		
52	60.8	50.1	75.1
51	30.3	25.2	37.8

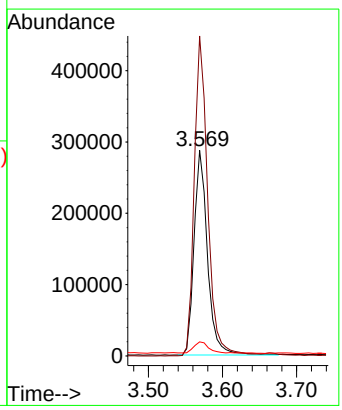


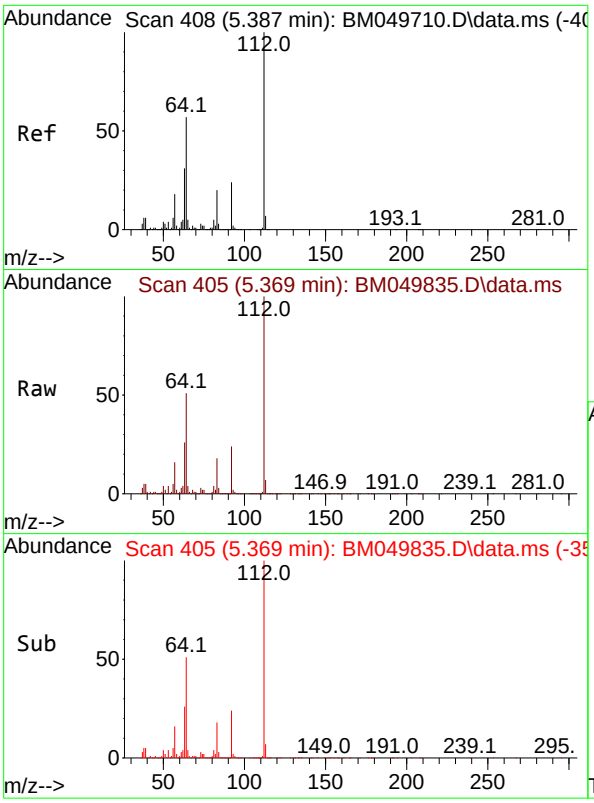


#4
n-Nitrosodimethylamine
Concen: 41.226 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 42 Resp: 361709

Ion	Ratio	Lower	Upper
42	100		
74	155.7	112.6	168.8
44	6.9	5.0	7.6



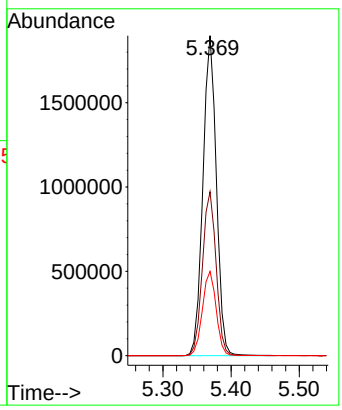


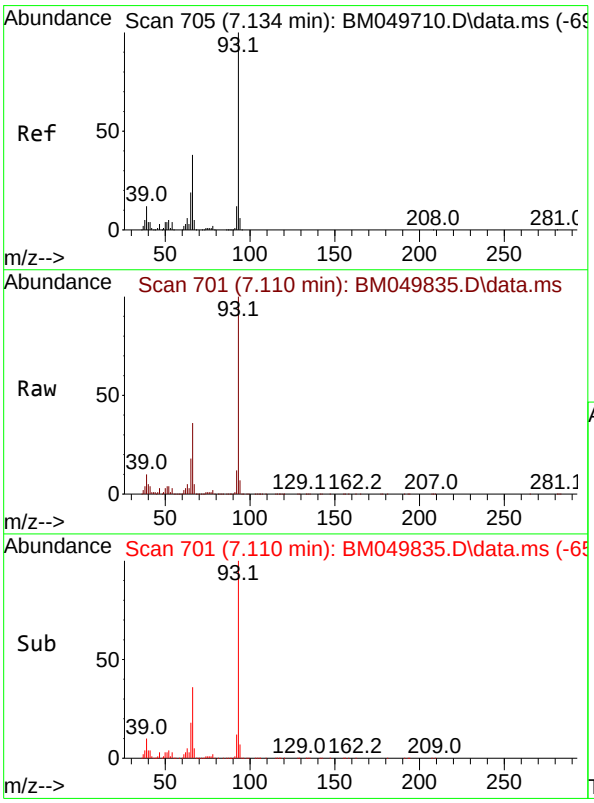
#5
2-Fluorophenol
Concen: 145.138 ng
RT: 5.369 min Scan# 40
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:112 Resp: 2603223

Ion	Ratio	Lower	Upper
112	100		
64	51.3	45.3	67.9
63	26.4	24.4	36.6

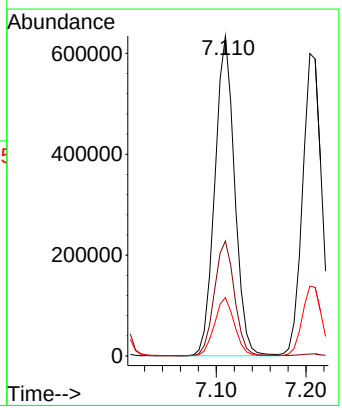


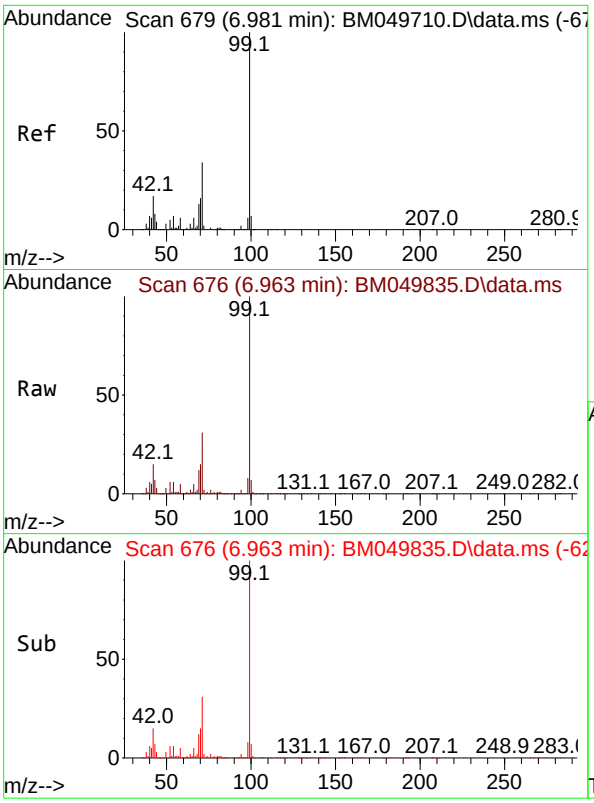


#6
Aniline
Concen: 51.489 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 93 Resp: 970965

Ion	Ratio	Lower	Upper
93	100		
66	35.9	30.6	46.0
65	18.2	15.4	23.2



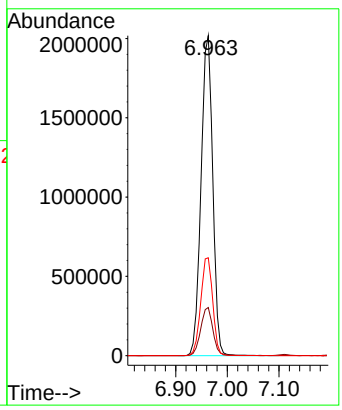


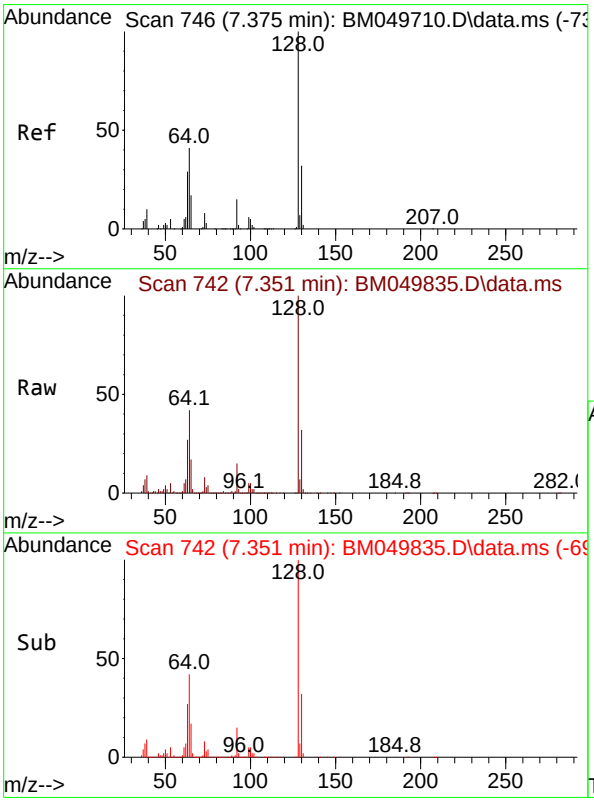
#7
Phenol-d6
Concen: 140.877 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 99 Resp: 3170979

Ion	Ratio	Lower	Upper
99	100		
42	15.1	13.6	20.4
71	30.6	27.0	40.6

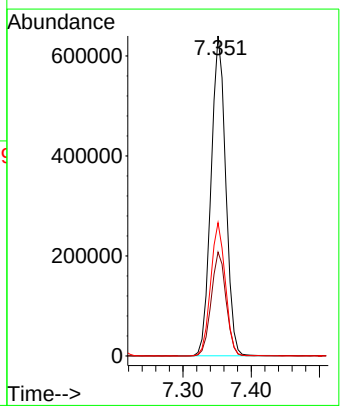


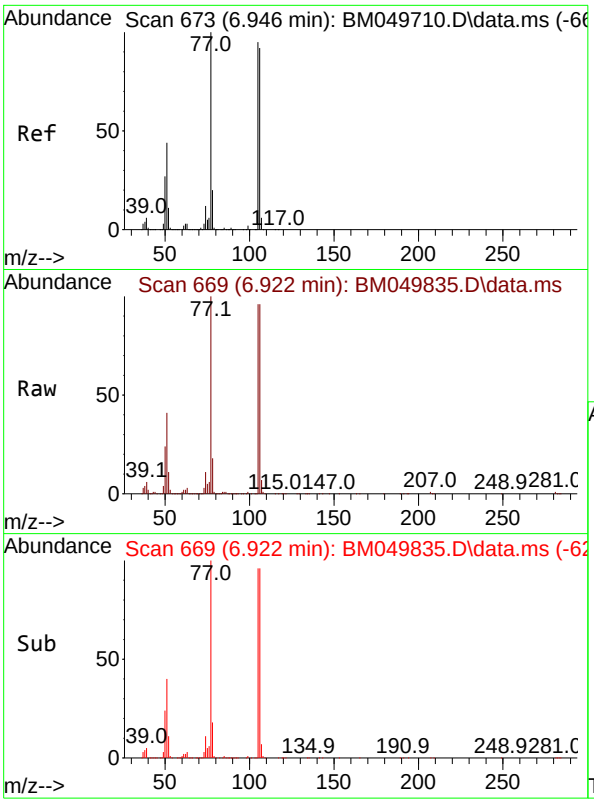


#8
2-Chlorophenol
Concen: 54.090 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:128 Resp: 960731

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.5	52.5
64	41.6	24.9	64.9



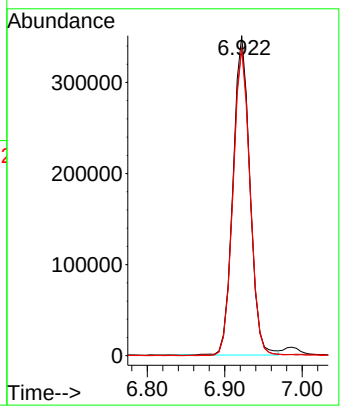


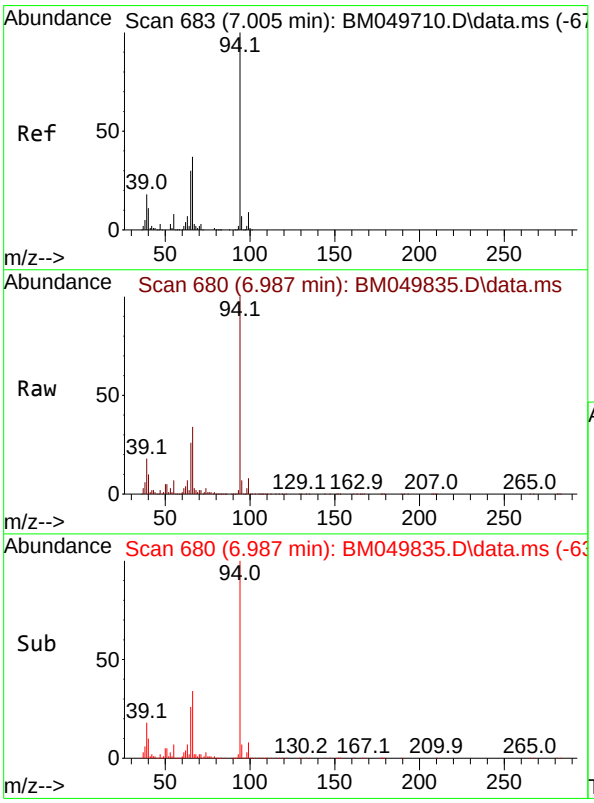
#9
Benzaldehyde
Concen: 47.792 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 77 Resp: 531809

Ion	Ratio	Lower	Upper
77	100		
105	96.0	75.0	115.0
106	95.9	72.3	112.3

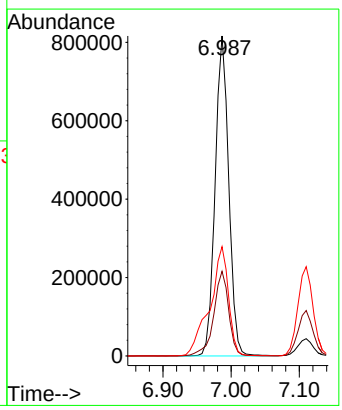


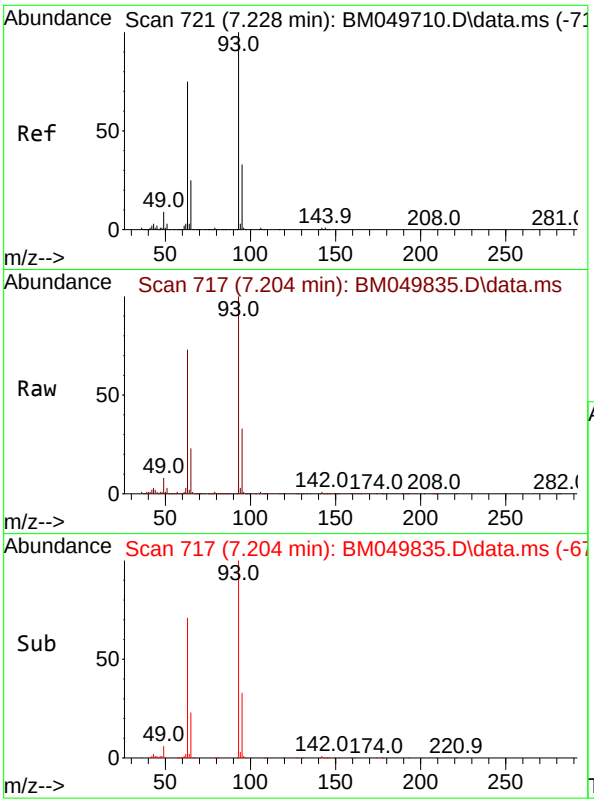


#10
Phenol
Concen: 52.010 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 94 Resp: 1135143

Ion	Ratio	Lower	Upper
94	100		
65	26.4	10.4	50.4
66	34.2	17.1	57.1



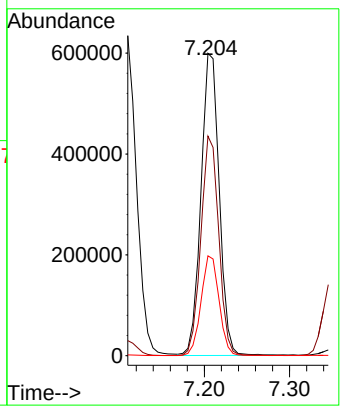


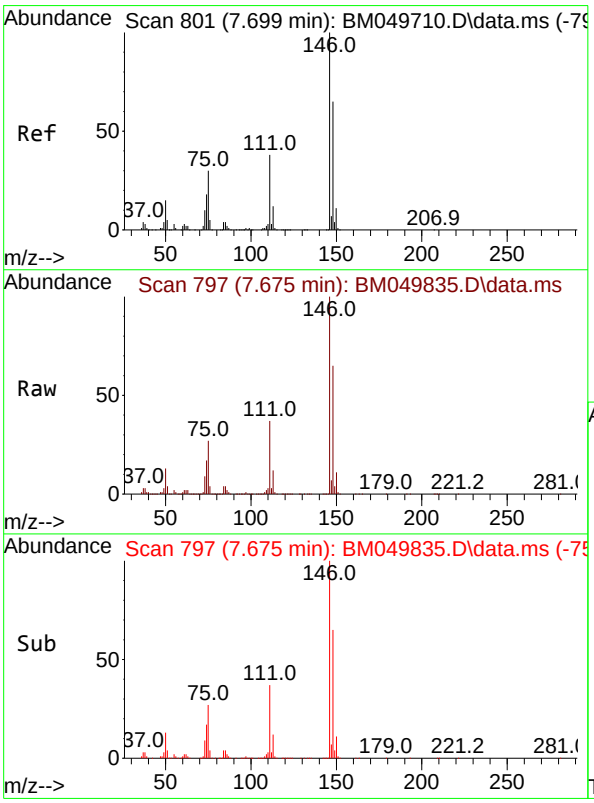
#11
bis(2-Chloroethyl)ether
Concen: 50.333 ng
RT: 7.204 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 93 Resp: 889584

Ion	Ratio	Lower	Upper
93	100		
63	72.6	54.8	94.8
95	33.0	12.8	52.8

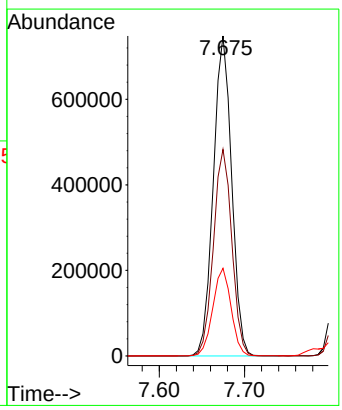


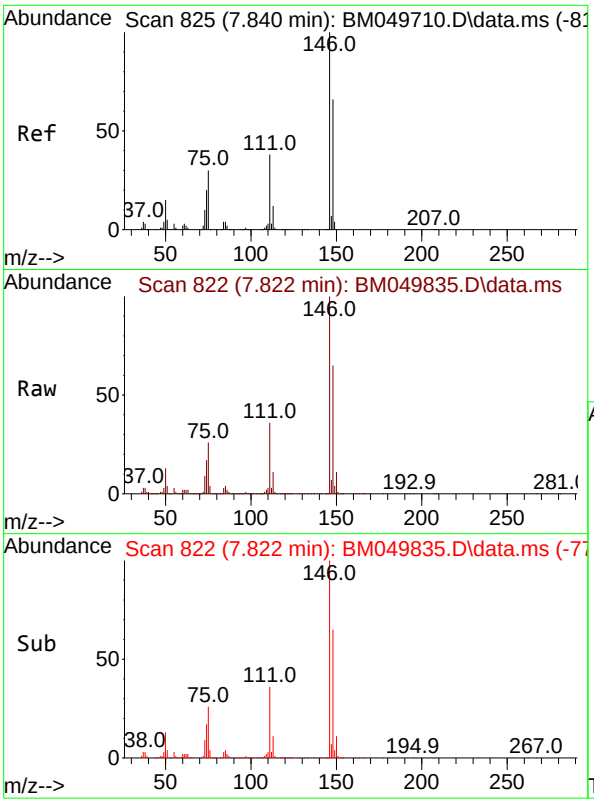


#12
1,3-Dichlorobenzene
Concen: 51.770 ng
RT: 7.675 min Scan# 797
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:146 Resp: 1117467

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.3	78.5
75	27.4	24.2	36.2



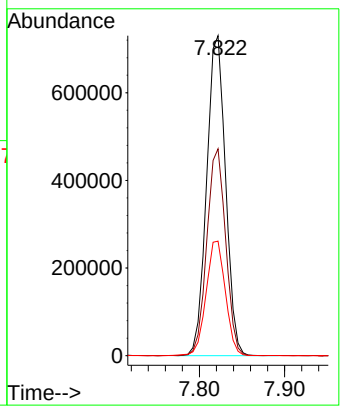


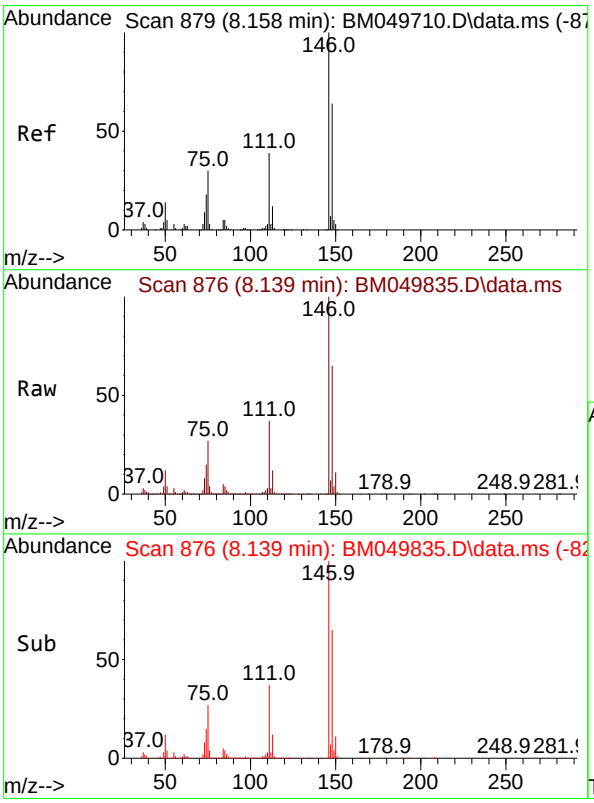
#13
1,4-Dichlorobenzene
Concen: 51.598 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:146 Resp: 1123597

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.6	79.0
111	35.8	30.8	46.2

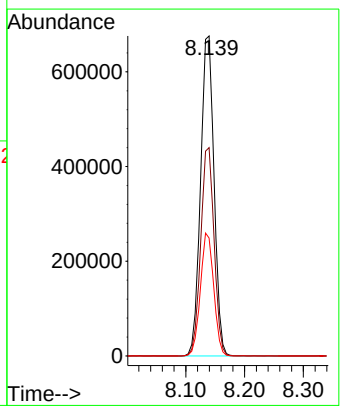


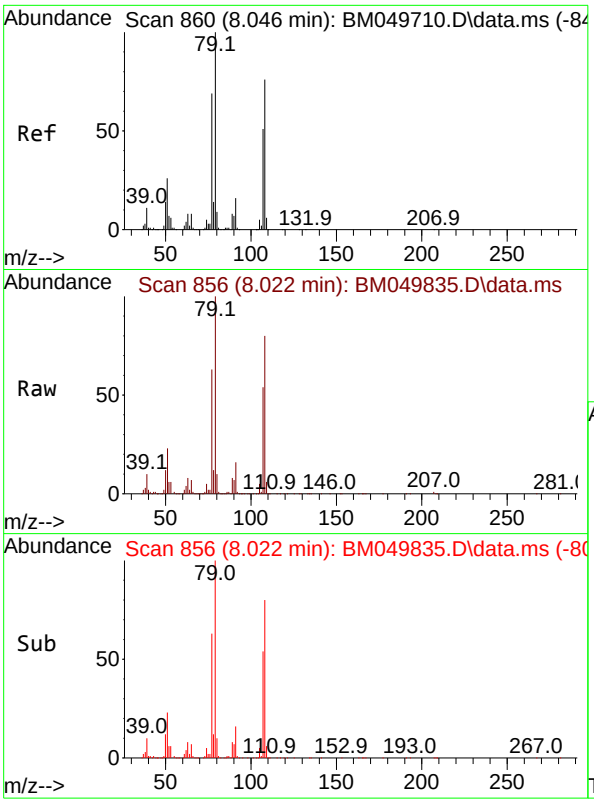


#14
1,2-Dichlorobenzene
Concen: 52.066 ng
RT: 8.139 min Scan# 876
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:146 Resp: 1077518

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.9	76.3
111	36.8	31.0	46.6



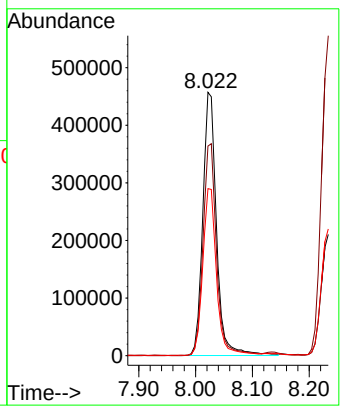


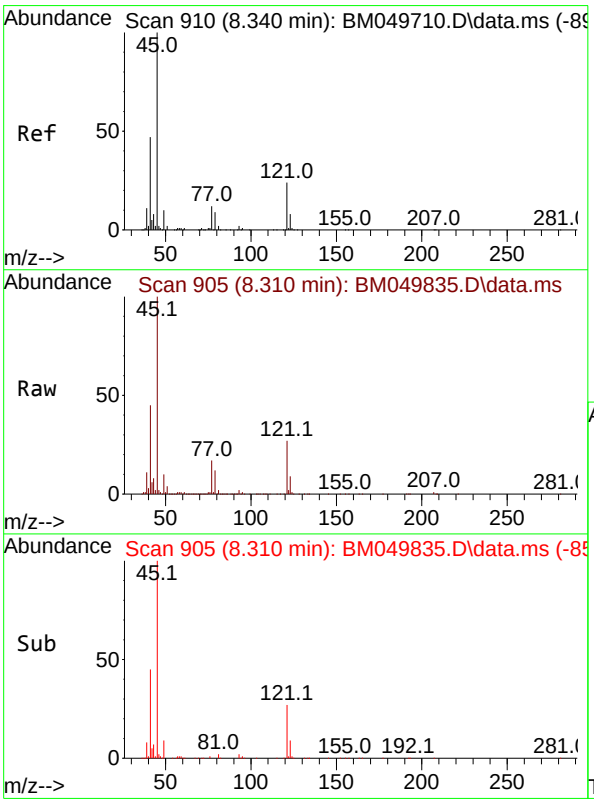
#15
Benzyl Alcohol
Concen: 54.125 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 79 Resp: 764536

Ion	Ratio	Lower	Upper
79	100		
108	79.6	60.7	91.1
77	63.4	55.4	83.2

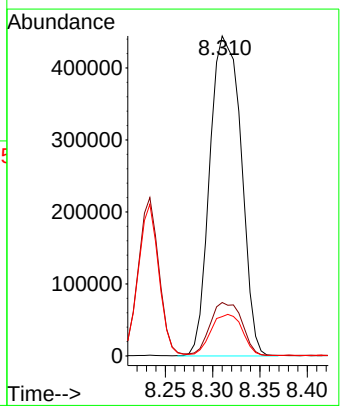


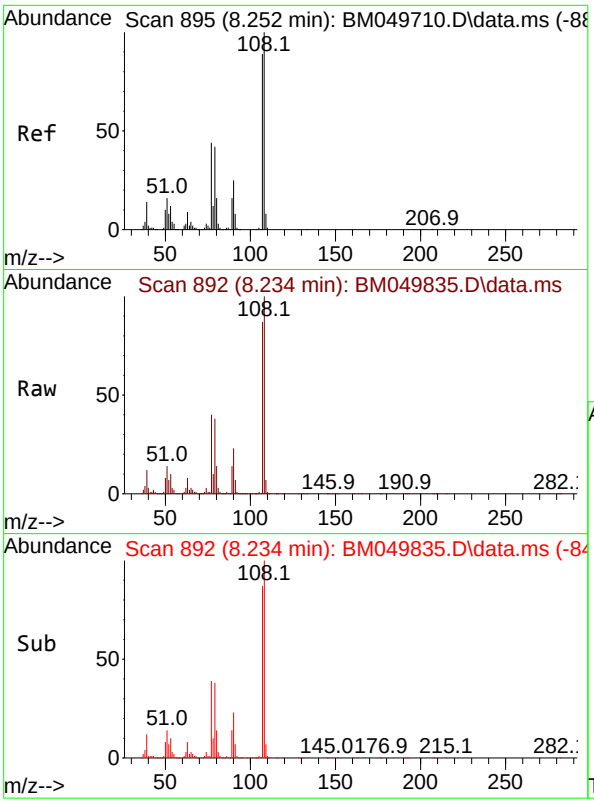


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.406 ng m
RT: 8.310 min Scan# 905
Delta R.T. -0.030 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 45 Resp: 1026287

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	36.1
79	12.3	0.0	32.8



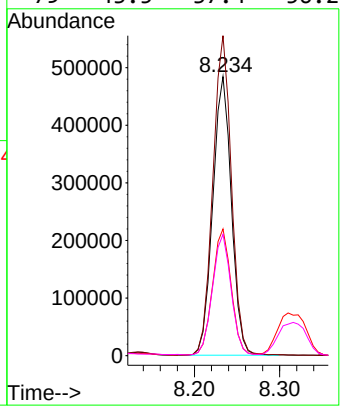


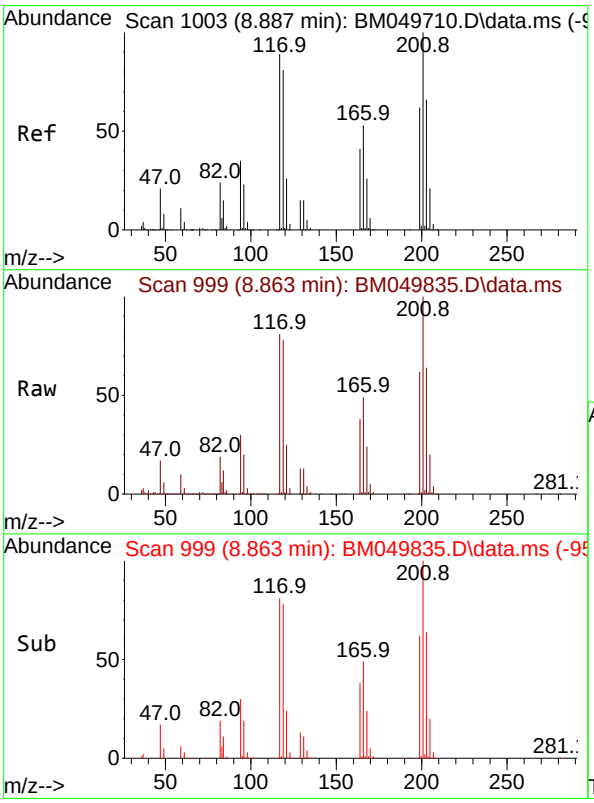
#17
2-Methylphenol
Concen: 56.627 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:107 Resp: 733756

Ion	Ratio	Lower	Upper
107	100		
108	114.7	89.6	134.4
77	45.4	39.8	59.6
79	43.5	37.4	56.2

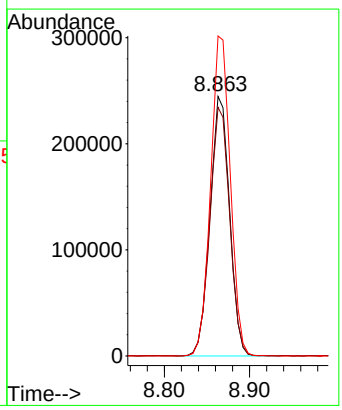


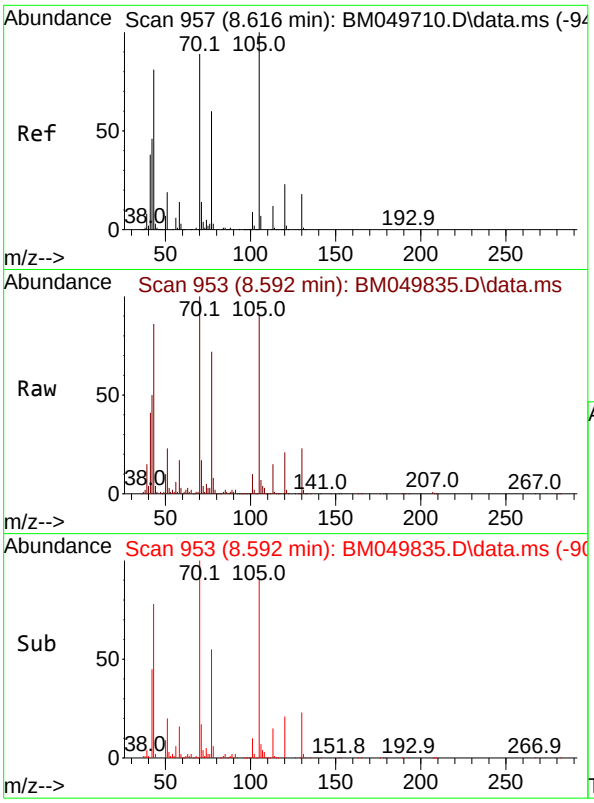


#18
Hexachloroethane
Concen: 51.064 ng
RT: 8.863 min Scan# 999
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:117 Resp: 392683

Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.1	109.7
201	123.3	90.0	135.0



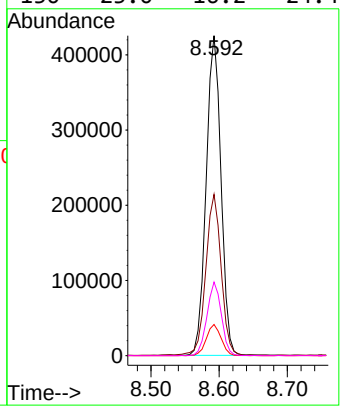


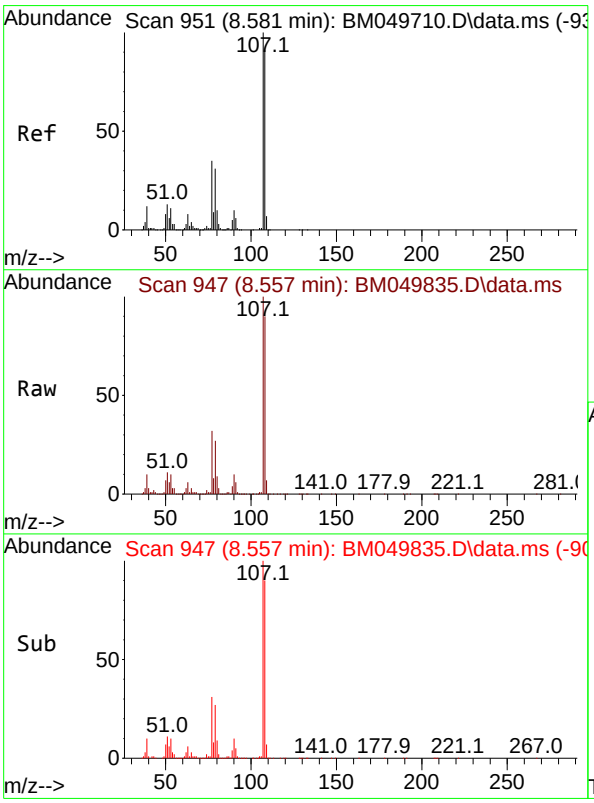
#19
n-Nitroso-di-n-propylamine
Concen: 49.208 ng
RT: 8.592 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 70 Resp: 642257

Ion	Ratio	Lower	Upper
70	100		
42	50.4	41.8	62.6
101	9.8	7.7	11.5
130	23.0	16.2	24.4

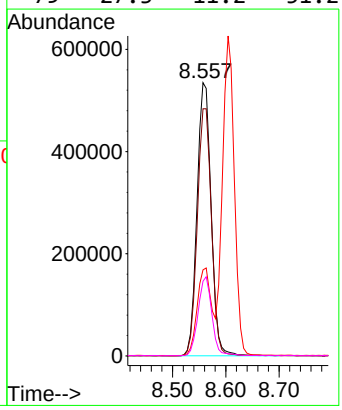


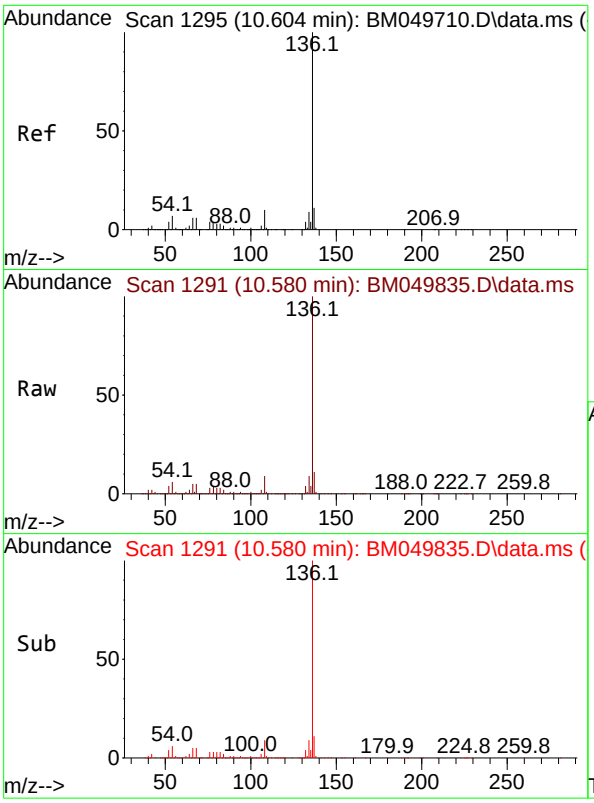


#20
3+4-Methylphenols
Concen: 56.553 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:107 Resp: 982039

Ion	Ratio	Lower	Upper
107	100		
108	90.4	71.0	111.0
77	31.5	15.1	55.1
79	27.3	11.2	51.2



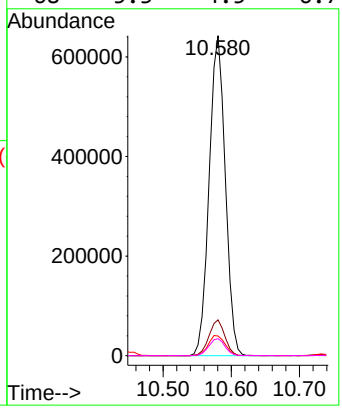


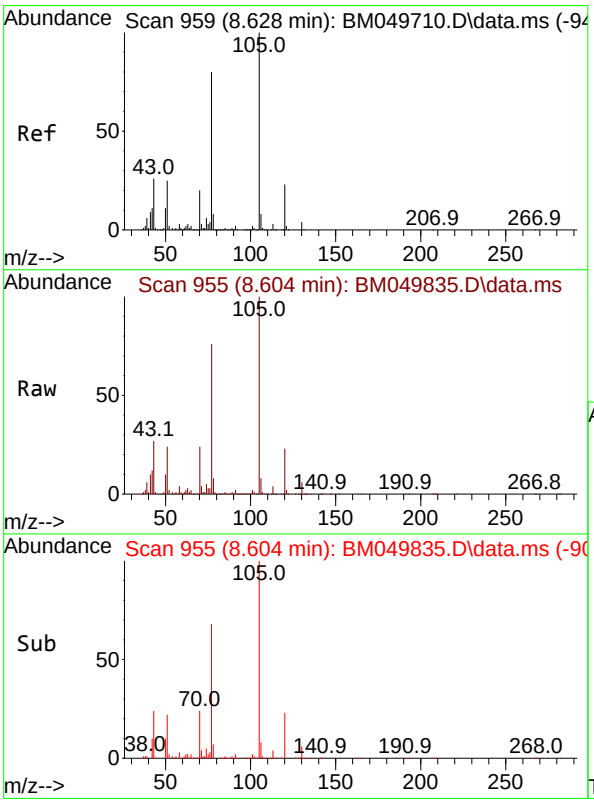
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:136 Resp: 1057941

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	6.2	5.8	8.8
68	5.3	4.5	6.7

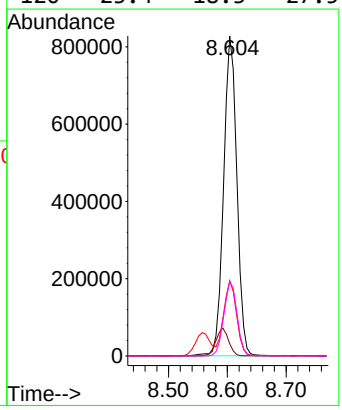


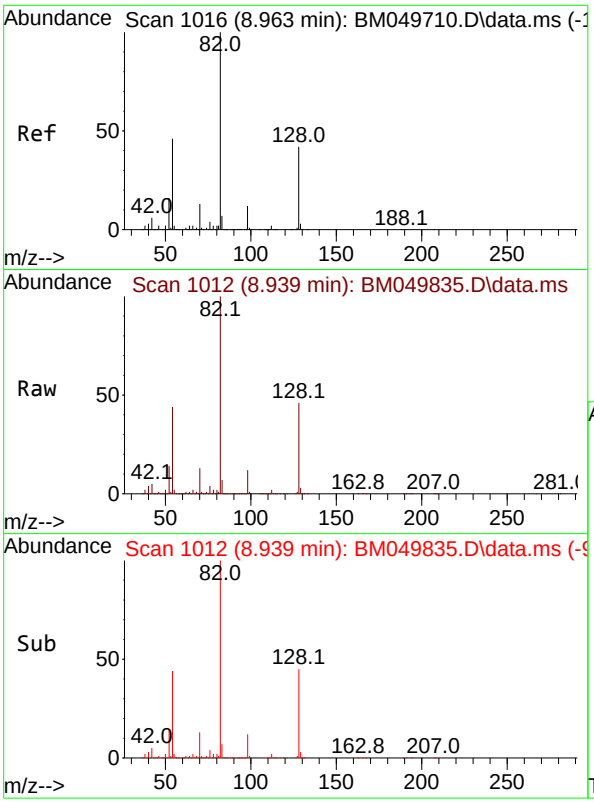


#22
Acetophenone
Concen: 47.529 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:105 Resp: 1296521

Ion	Ratio	Lower	Upper
105	100		
71	3.8	2.5	3.7#
51	23.5	19.9	29.9
120	23.4	18.3	27.5



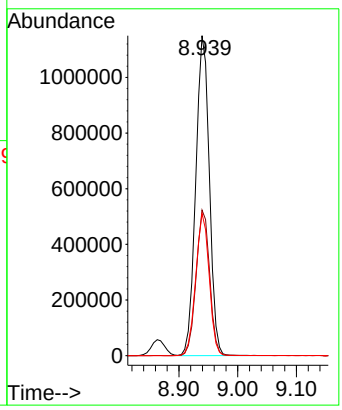


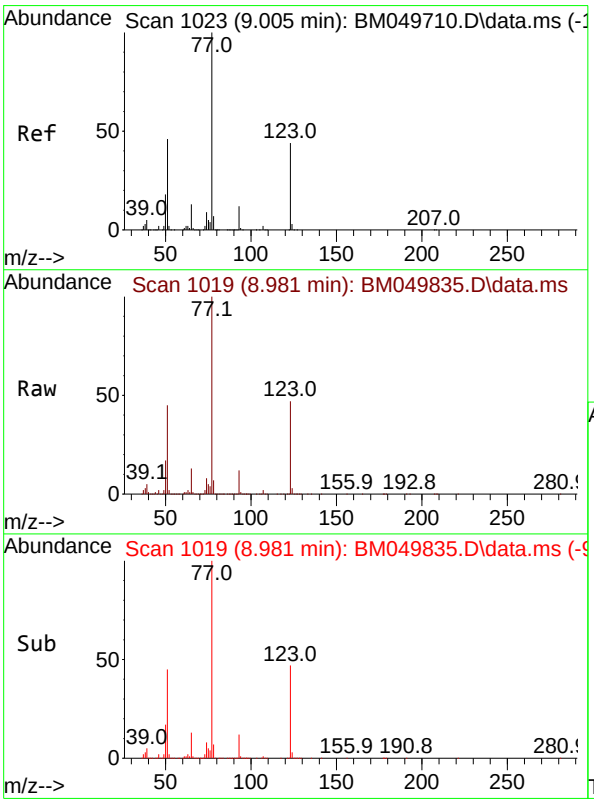
#23
Nitrobenzene-d5
Concen: 89.697 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 82 Resp: 1848286

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.4	50.0
54	44.4	36.4	54.6

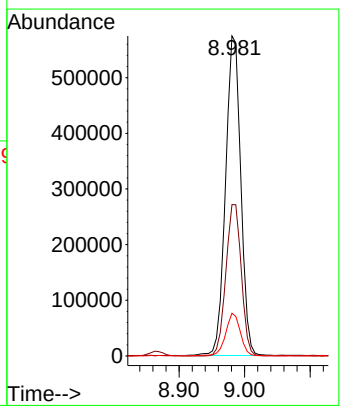


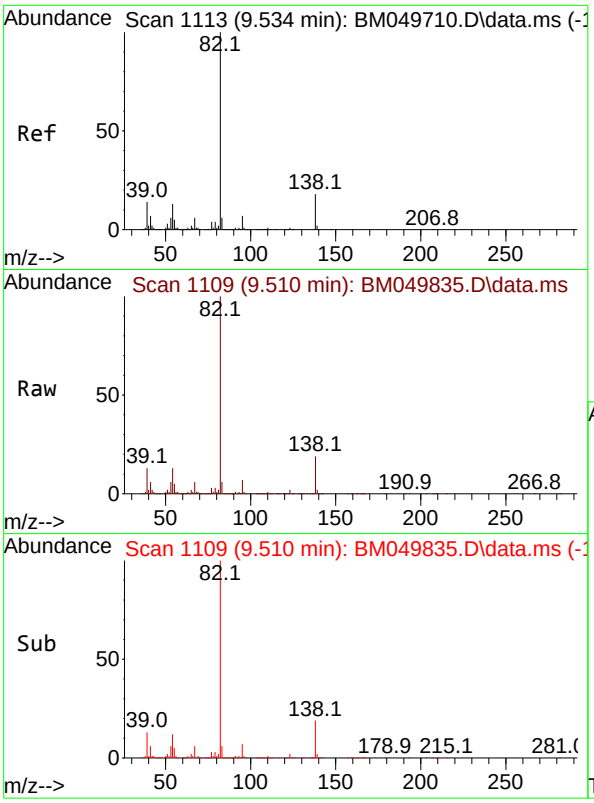


#24
Nitrobenzene
Concen: 47.688 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 77 Resp: 926570

Ion	Ratio	Lower	Upper
77	100		
123	47.3	34.9	52.3
65	13.4	10.6	15.8



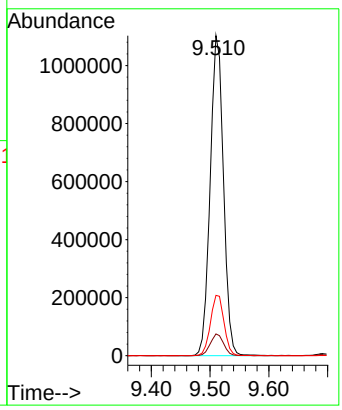


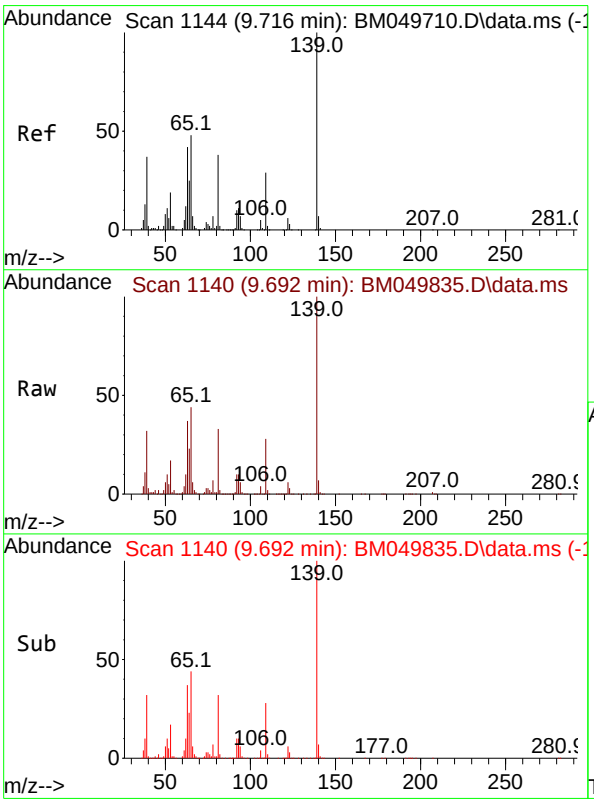
#25
Isophorone
Concen: 54.737 ng
RT: 9.510 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 82 Resp: 1731740

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.9	14.4	21.6

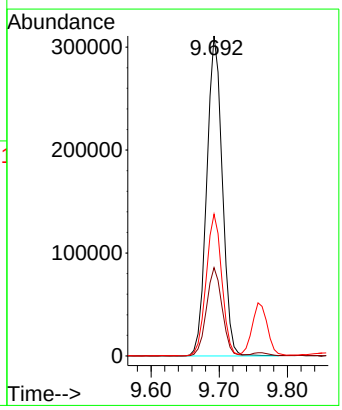


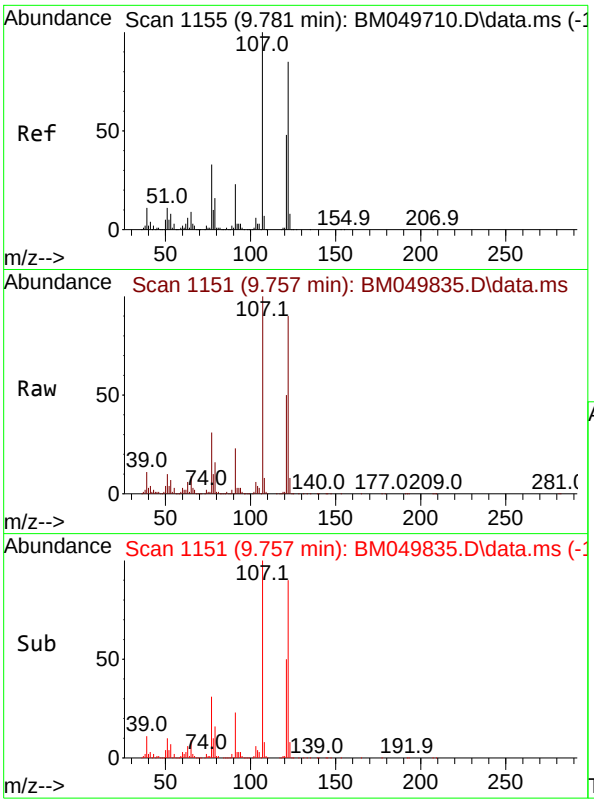


#26
2-Nitrophenol
Concen: 59.782 ng
RT: 9.692 min Scan# 1140
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:139 Resp: 494383

Ion	Ratio	Lower	Upper
139	100		
109	27.6	23.3	34.9
65	44.3	38.6	58.0



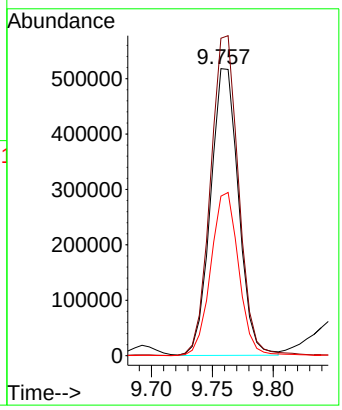


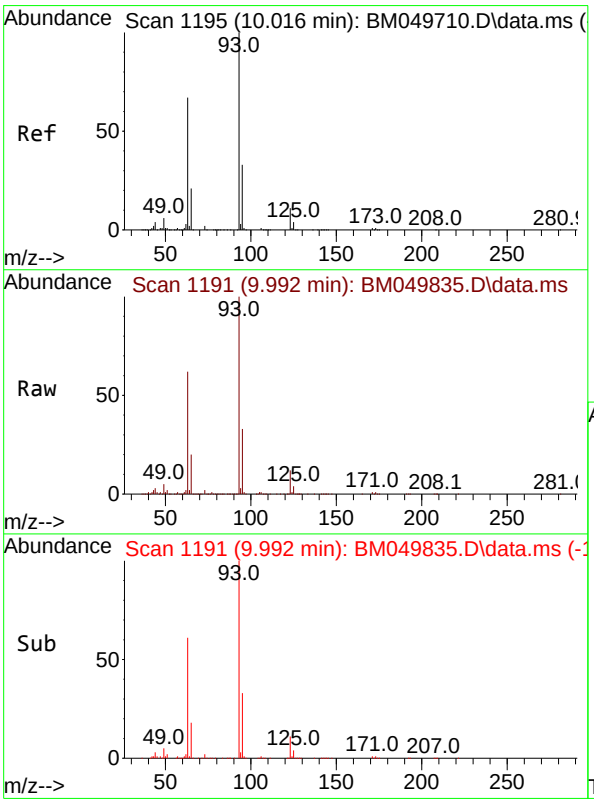
#27
2,4-Dimethylphenol
Concen: 78.378 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:122 Resp: 825041

Ion	Ratio	Lower	Upper
122	100		
107	110.6	94.3	141.5
121	55.6	45.4	68.2

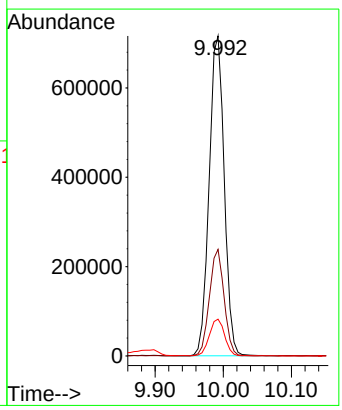


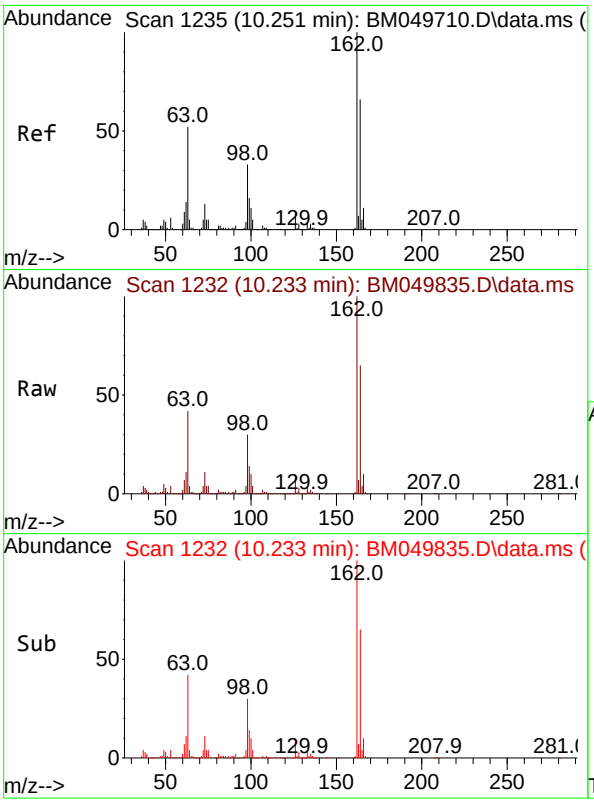


#28
bis(2-Chloroethoxy)methane
Concen: 49.498 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 93 Resp: 1102948

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	11.5	9.0	13.6



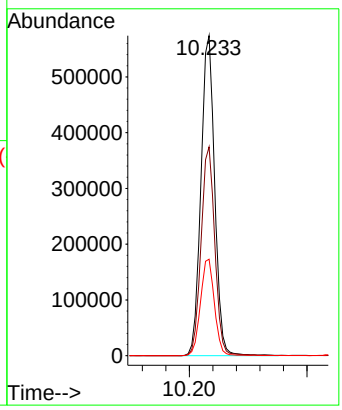


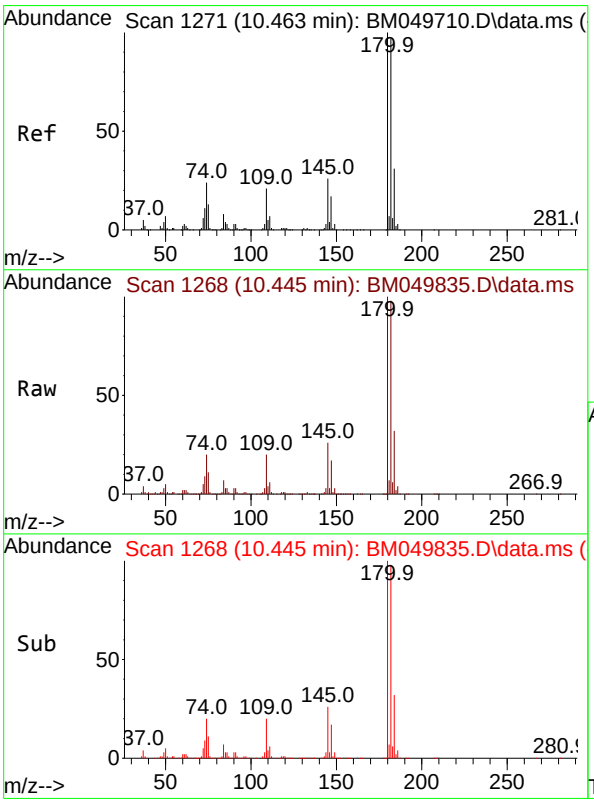
#29
2,4-Dichlorophenol
Concen: 54.309 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:162 Resp: 931527

Ion	Ratio	Lower	Upper
162	100		
164	65.3	46.3	86.3
98	30.2	12.8	52.8

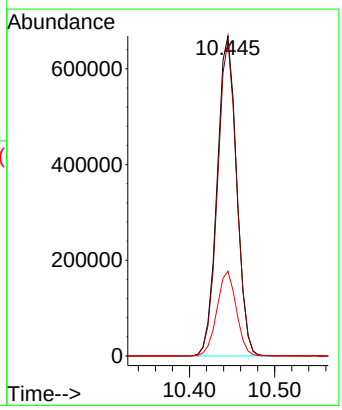


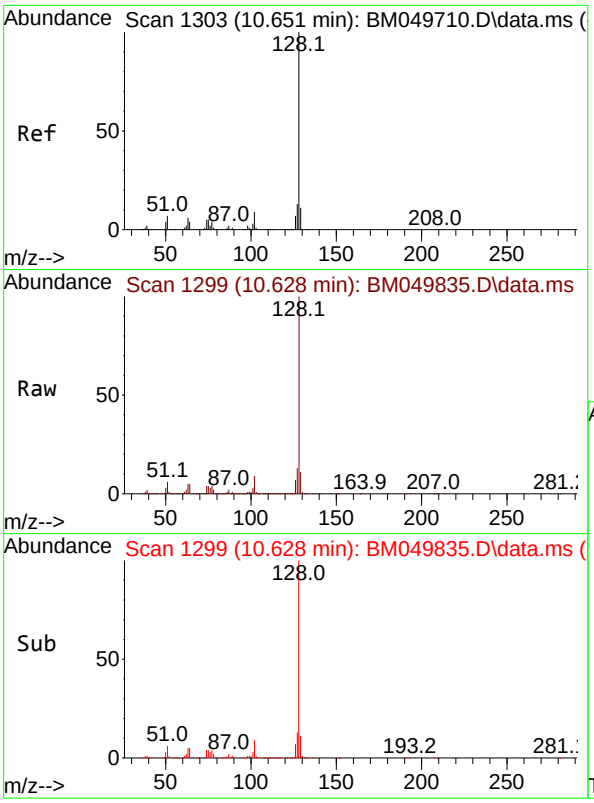


#30
1,2,4-Trichlorobenzene
Concen: 49.587 ng
RT: 10.445 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:180 Resp: 1064144

Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.7	116.5
145	26.5	21.0	31.4



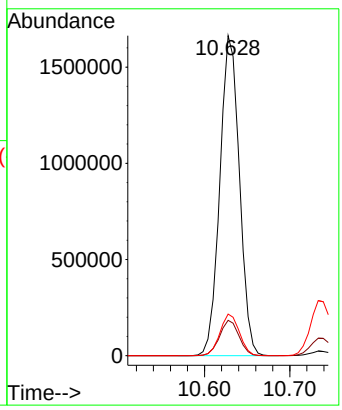


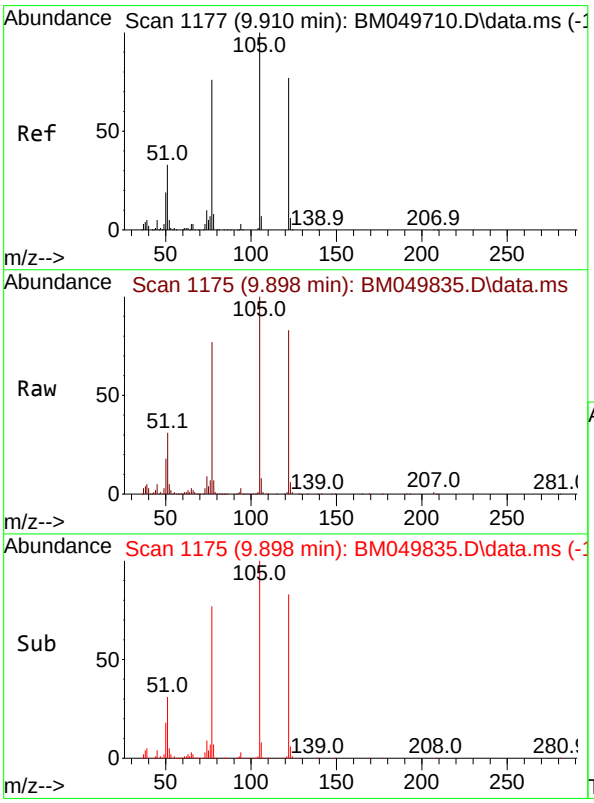
#31
Naphthalene
Concen: 48.769 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:128 Resp: 2653033

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.0	10.4	15.6

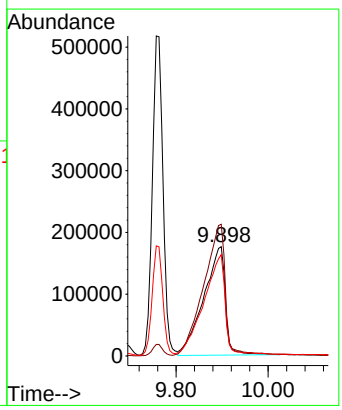


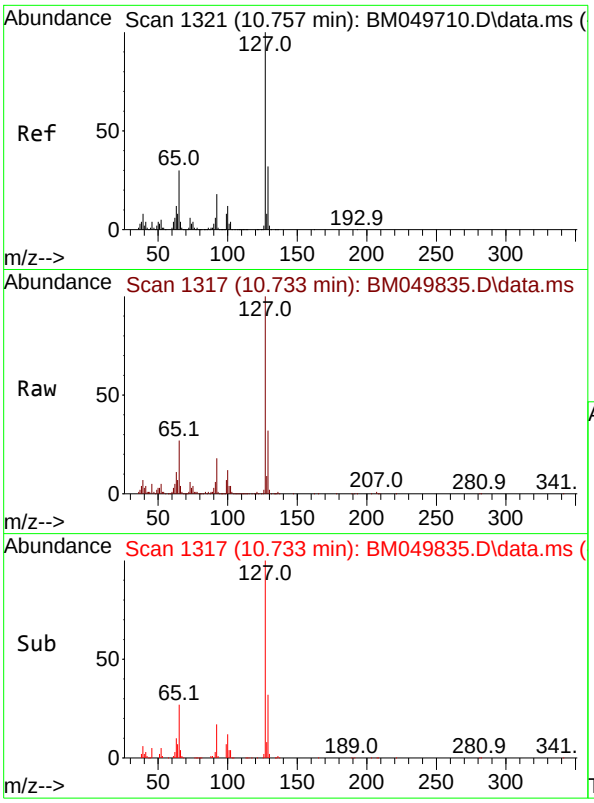


#32
Benzoic acid
Concen: 64.092 ng
RT: 9.898 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:122 Resp: 573772

Ion	Ratio	Lower	Upper
122	100		
105	120.5	105.6	145.6
77	92.8	76.9	116.9



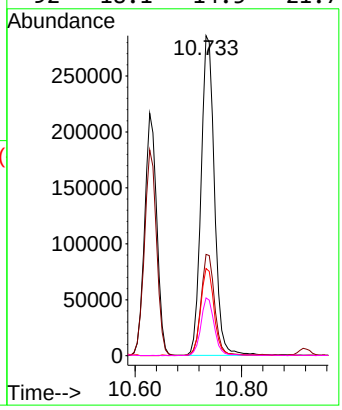


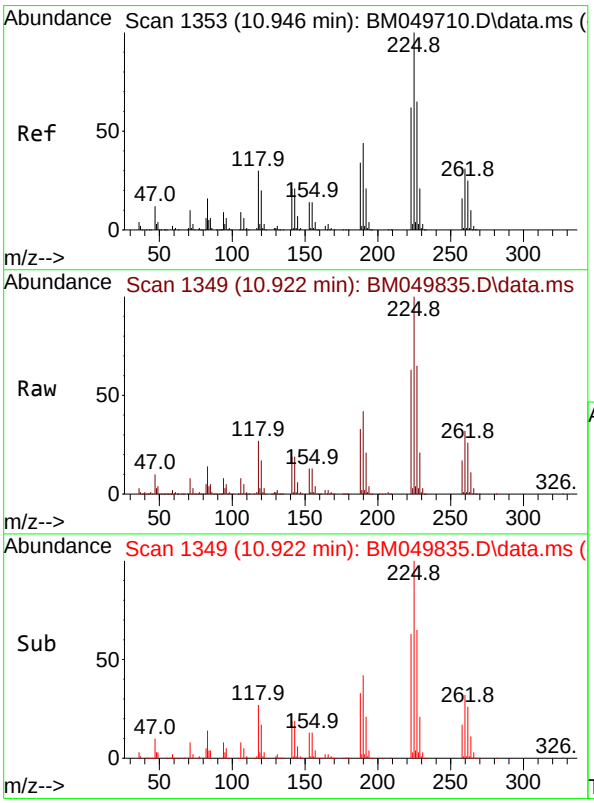
#33
4-Chloroaniline
Concen: 26.858 ng
RT: 10.733 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:127 Resp: 498642

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.7	38.5
65	27.2	24.1	36.1
92	18.1	14.5	21.7

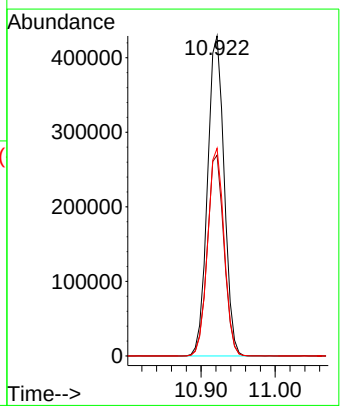


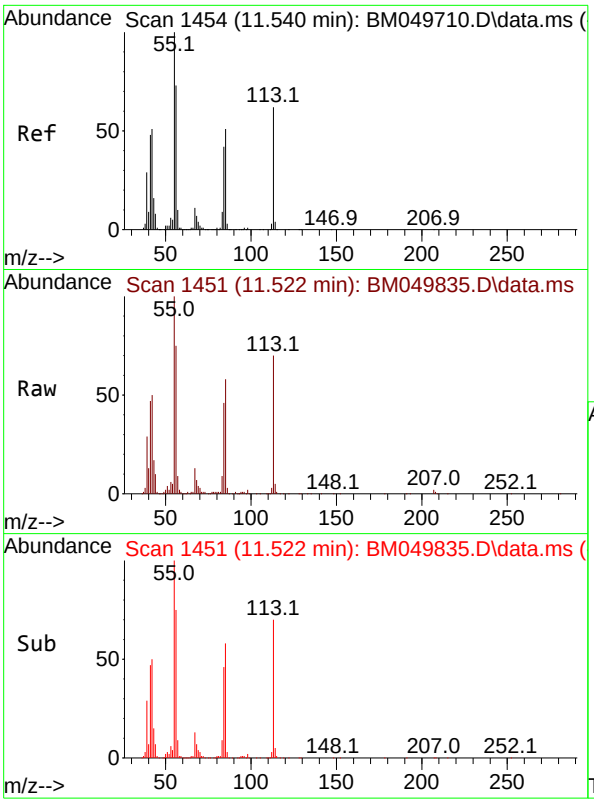


#34
Hexachlorobutadiene
Concen: 50.433 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:225 Resp: 668135

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.8
227	64.9	52.1	78.1



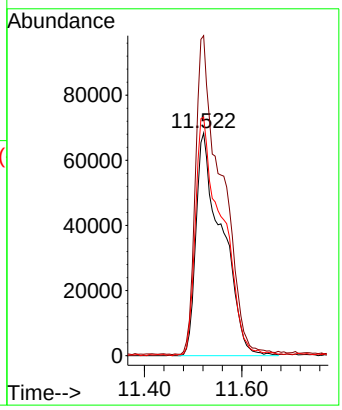


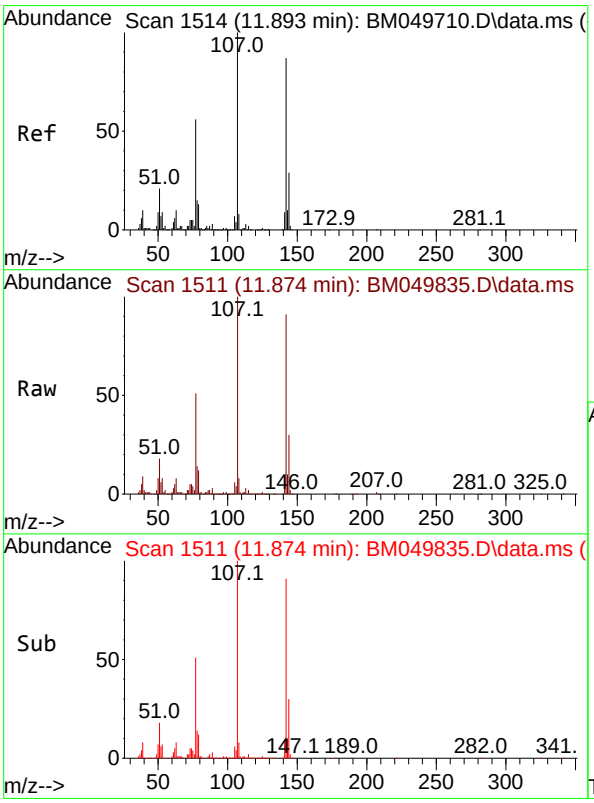
#35
Caprolactam
Concen: 63.457 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:113 Resp: 252703

Ion	Ratio	Lower	Upper
113	100		
55	143.8	141.8	181.8
56	107.2	98.0	138.0

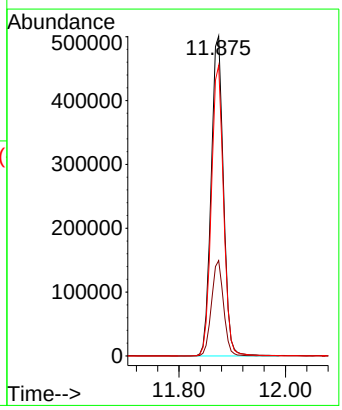


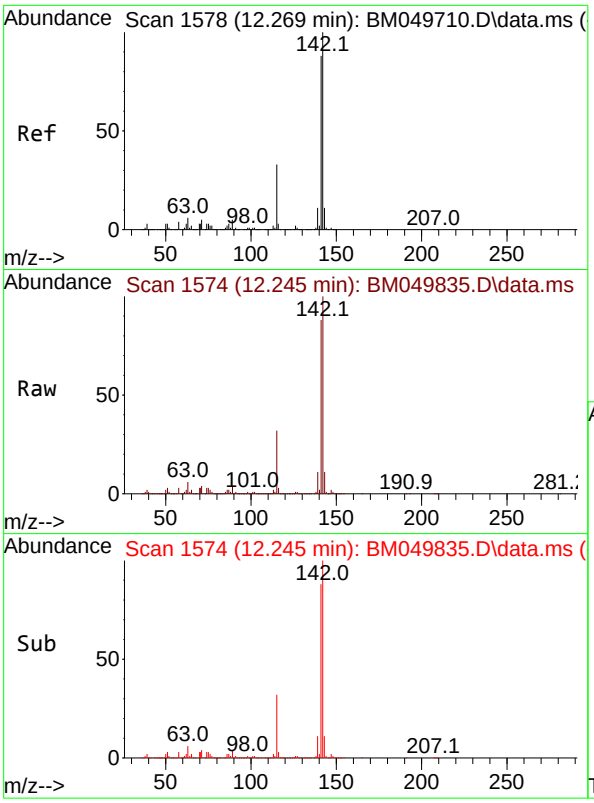


#36
4-Chloro-3-methylphenol
Concen: 54.591 ng
RT: 11.874 min Scan# 1511
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:107 Resp: 803565

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.0	34.6
142	90.8	69.8	104.8



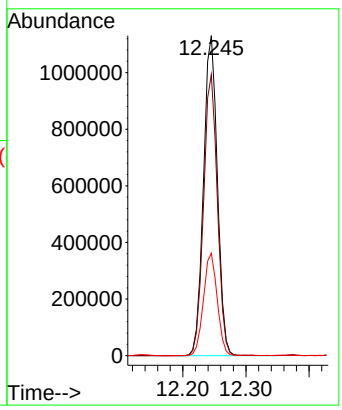


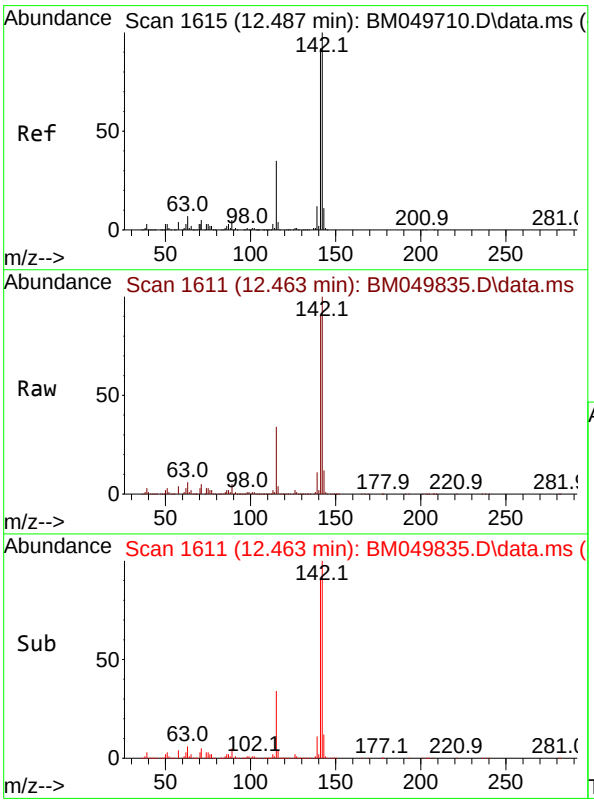
#37
2-Methylnaphthalene
Concen: 45.418 ng
RT: 12.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:142 Resp: 1727651

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.5	105.7
115	32.0	26.5	39.7

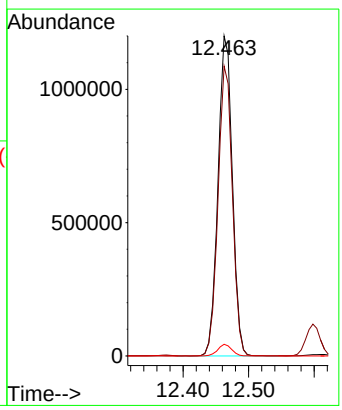


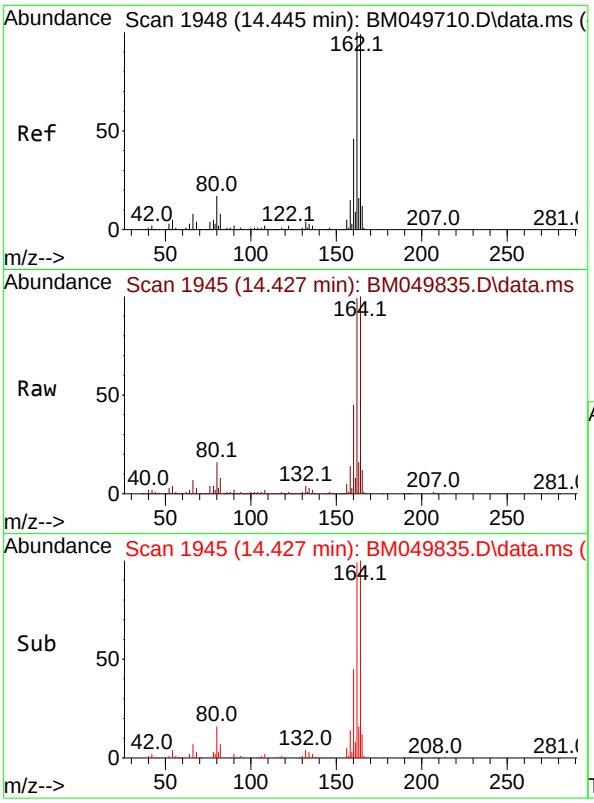


#38
1-Methylnaphthalene
Concen: 49.500 ng
RT: 12.463 min Scan# 1611
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:142 Resp: 1816645

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.4	110.2
116	3.6	2.8	4.2



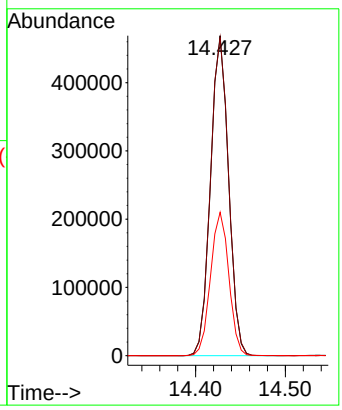


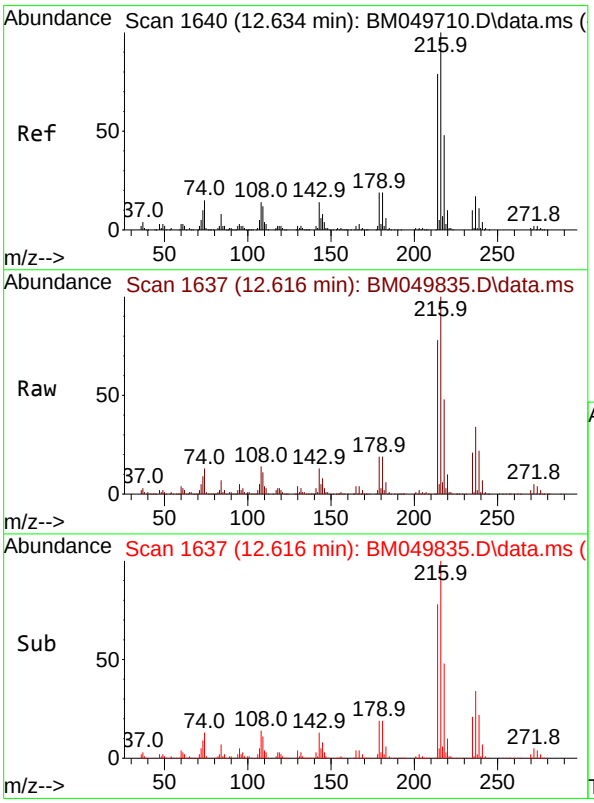
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:164 Resp: 655262

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.5	120.7
160	44.8	36.9	55.3

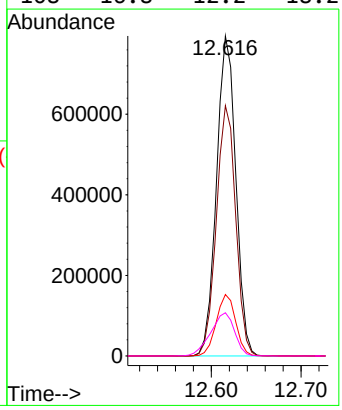


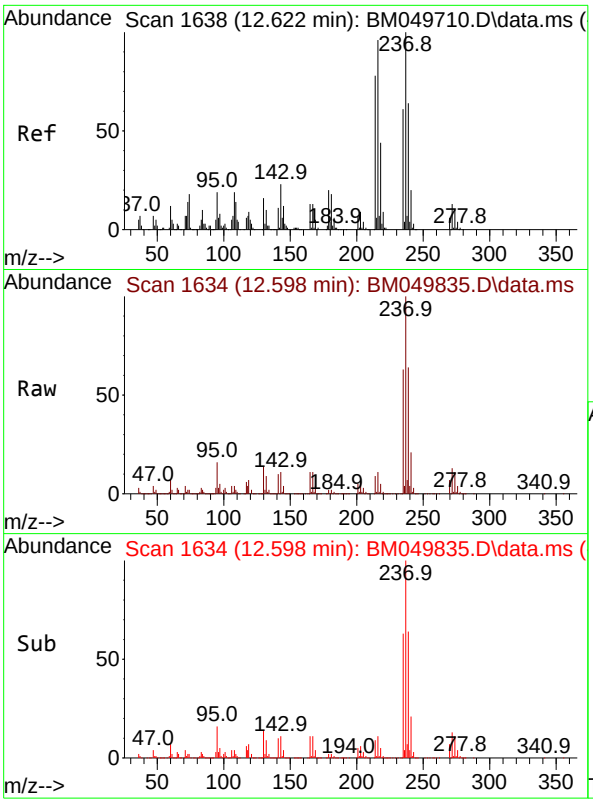


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.381 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:216 Resp: 1188547

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.5	95.3
179	19.3	15.7	23.5
108	16.8	12.2	18.2



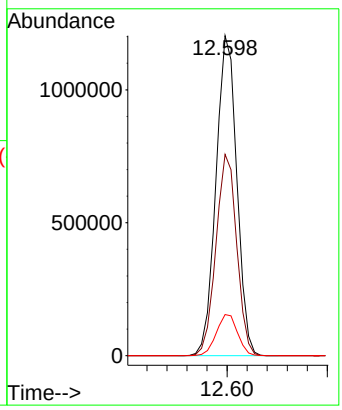


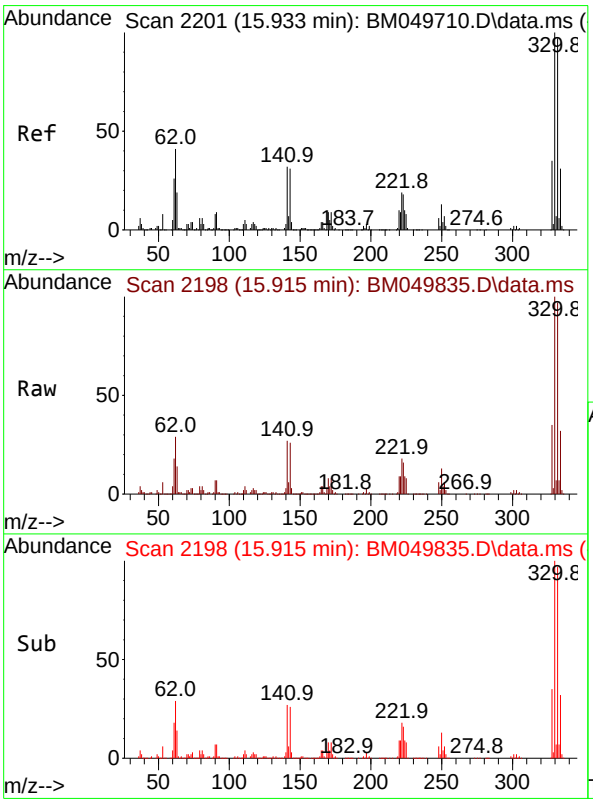
#41
Hexachlorocyclopentadiene
Concen: 194.615 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:237 Resp: 1735350

Ion	Ratio	Lower	Upper
237	100		
235	62.9	41.1	81.1
272	12.9	0.0	32.5

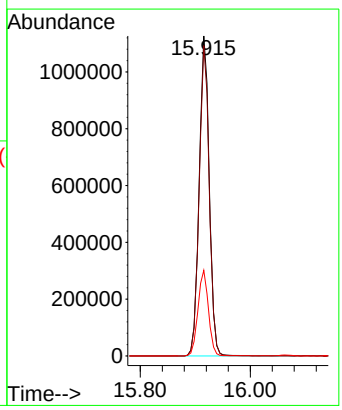


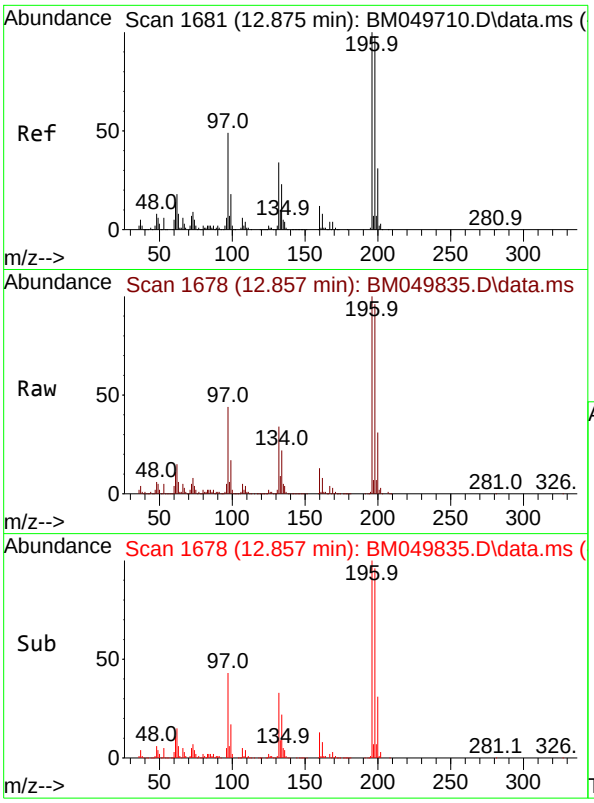


#42
2,4,6-Tribromophenol
Concen: 188.269 ng
RT: 15.915 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:330 Resp: 1440540

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.4
141	27.8	27.8	41.6



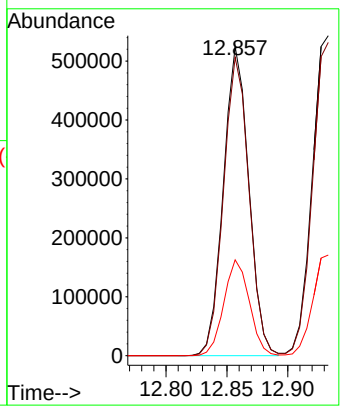


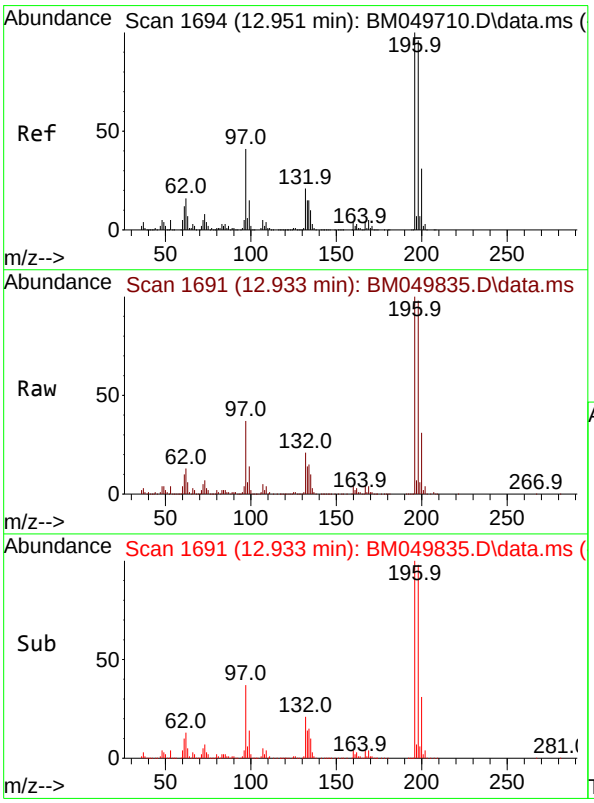
#43
2,4,6-Trichlorophenol
Concen: 56.637 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:196 Resp: 763484

Ion	Ratio	Lower	Upper
196	100		
198	96.5	78.3	117.5
200	31.0	25.1	37.7

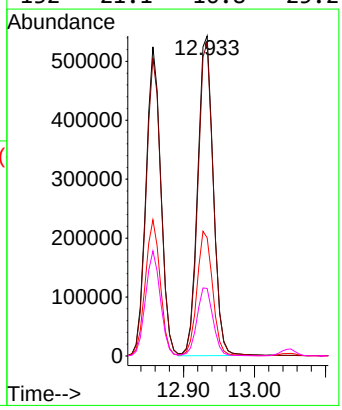


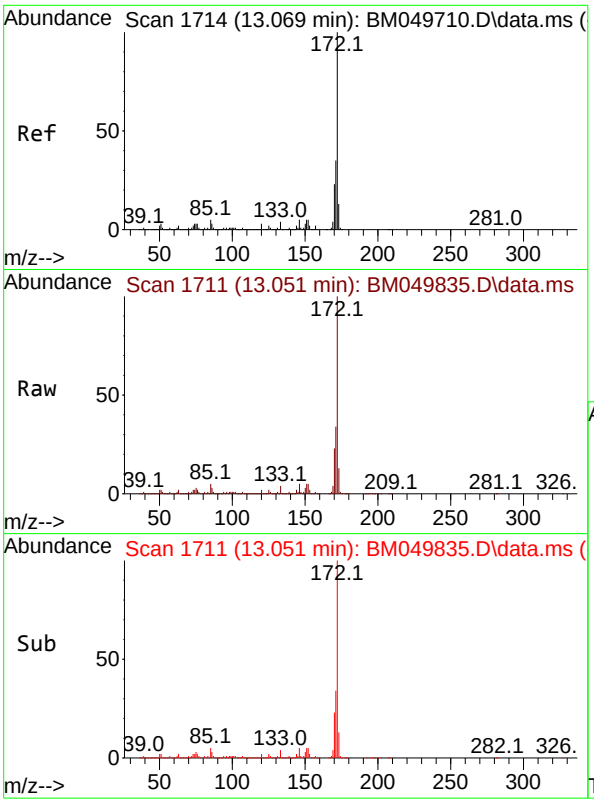


#44
2,4,5-Trichlorophenol
Concen: 56.338 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:196 Resp: 828758

Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.7	115.1
97	37.0	32.9	49.3
132	21.1	16.8	25.2



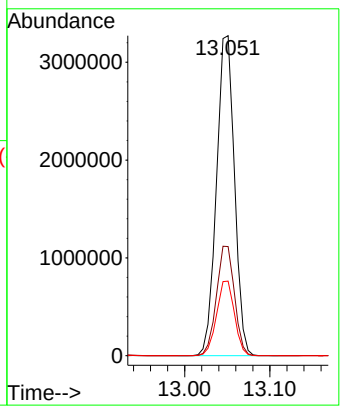


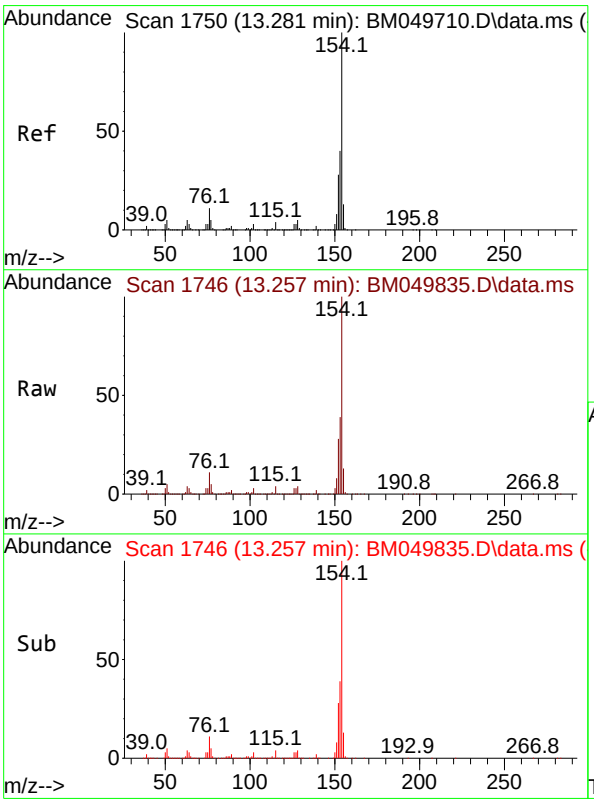
#45
2-Fluorobiphenyl
Concen: 91.632 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:172 Resp: 4794312

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.9	41.9
170	23.3	18.6	28.0

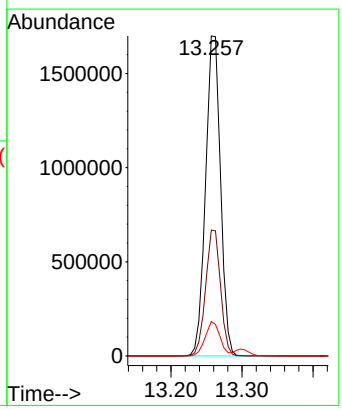


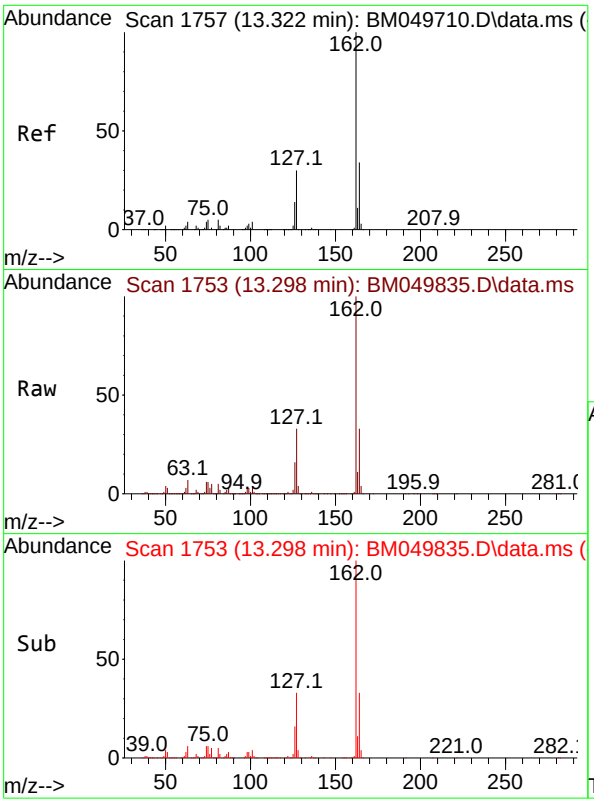


#46
1,1'-Biphenyl
Concen: 49.272 ng
RT: 13.257 min Scan# 1746
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:154 Resp: 2488311

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.7	59.7
76	10.7	0.0	31.2



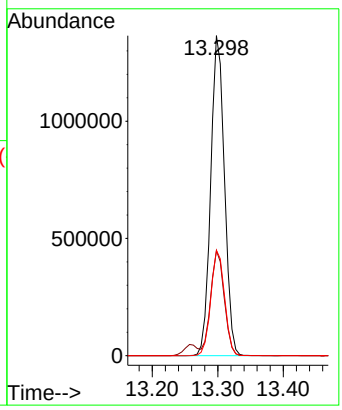


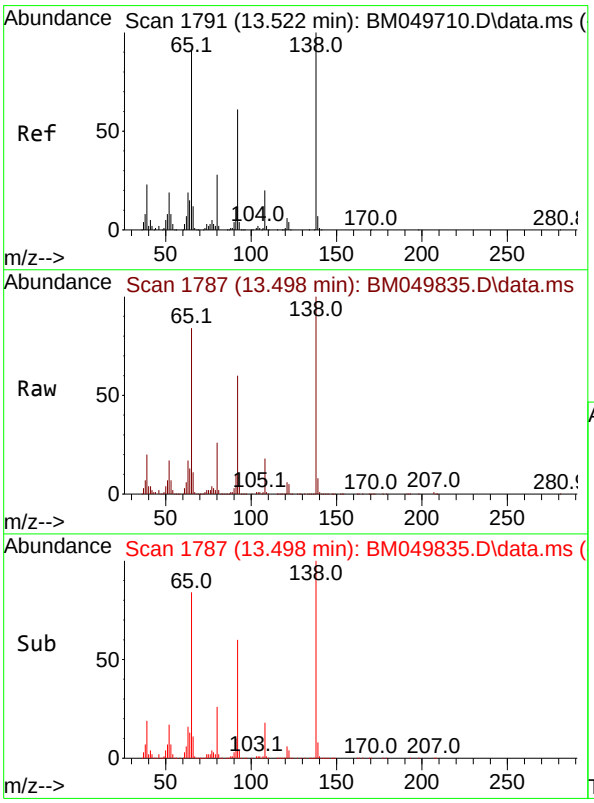
#47
2-Chloronaphthalene
Concen: 50.543 ng
RT: 13.298 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:162 Resp: 1986776

Ion	Ratio	Lower	Upper
162	100		
127	32.8	25.8	38.6
164	33.0	27.1	40.7

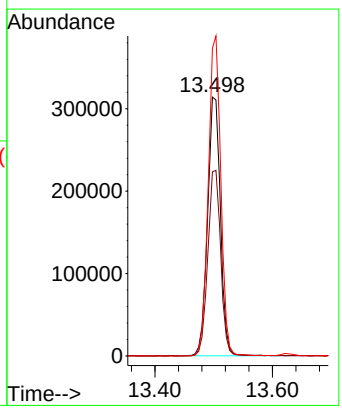


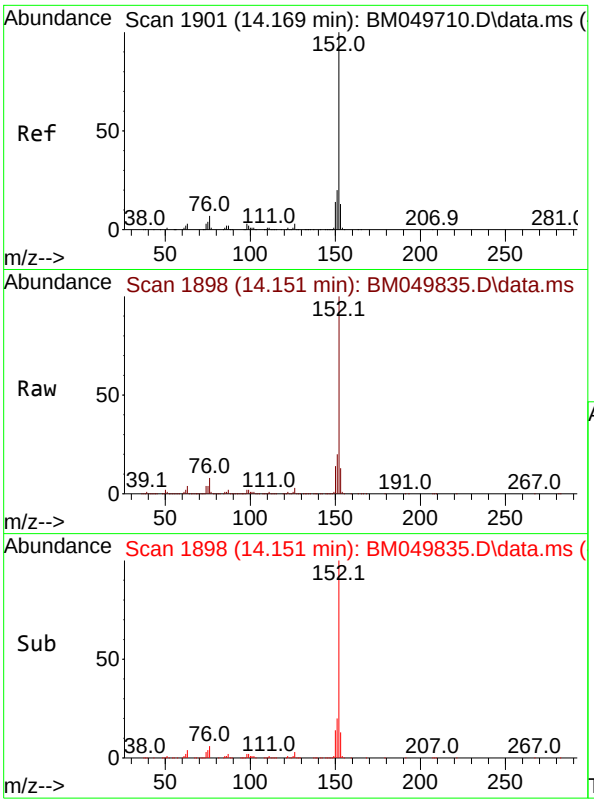


#48
2-Nitroaniline
Concen: 53.805 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 65 Resp: 474795

Ion	Ratio	Lower	Upper
65	100		
92	71.1	53.4	80.2
138	118.9	87.6	131.4



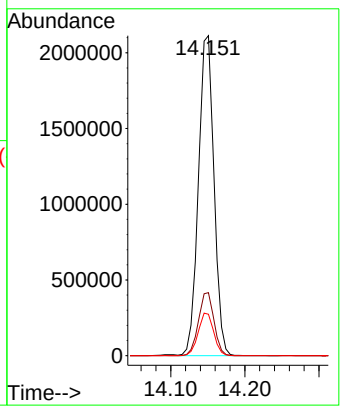


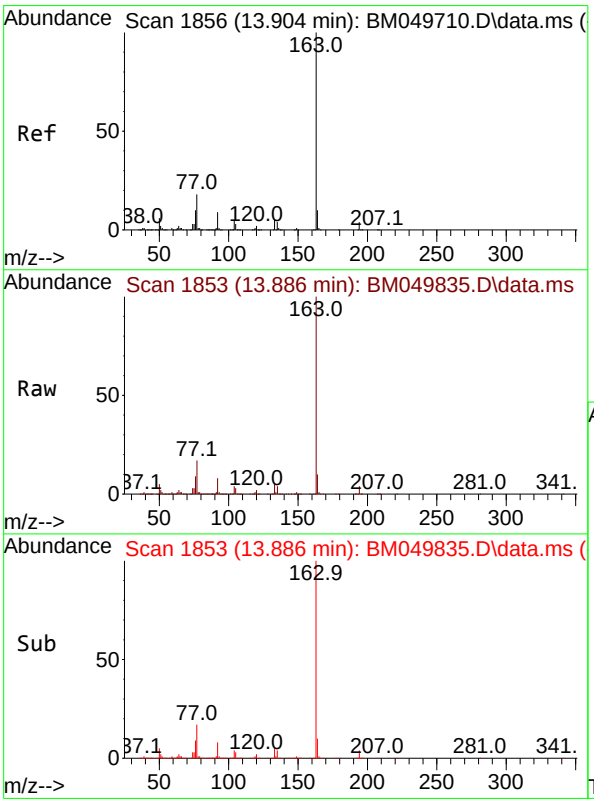
#49
Acenaphthylene
Concen: 56.023 ng
RT: 14.151 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:152 Resp: 3078171

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.9	10.2	15.4

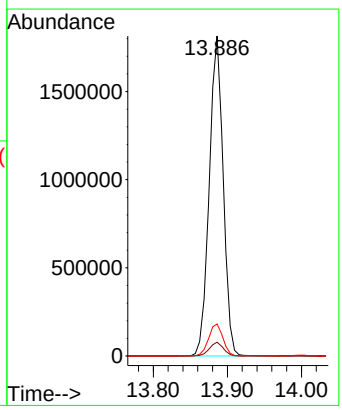


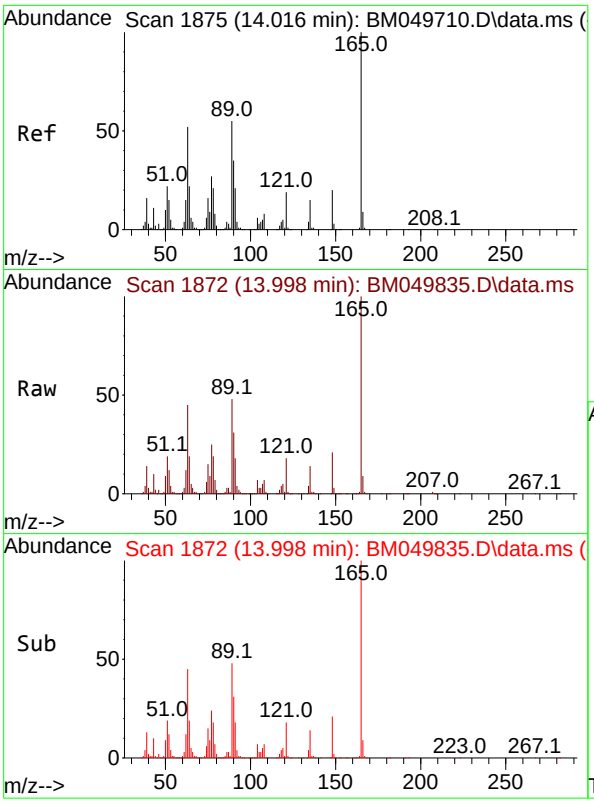


#50
Dimethylphthalate
Concen: 52.529 ng
RT: 13.886 min Scan# 1853
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:163 Resp: 2369811

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.0	8.2	12.2



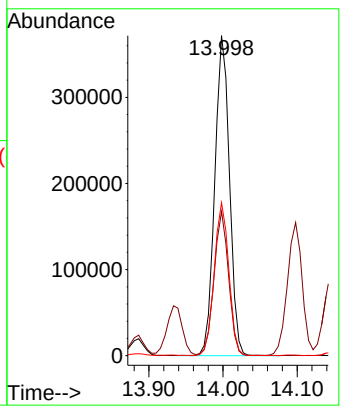


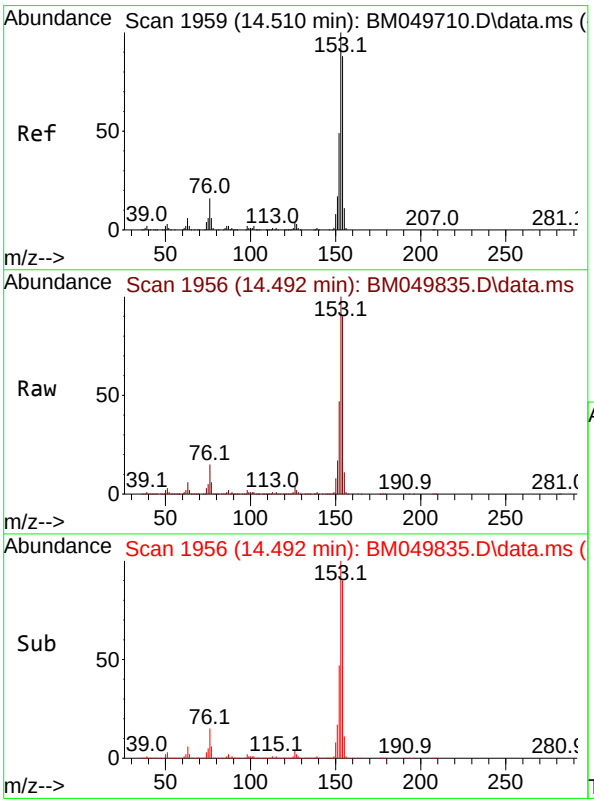
#51
2,6-Dinitrotoluene
Concen: 56.720 ng
RT: 13.998 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:165 Resp: 512724

Ion	Ratio	Lower	Upper
165	100		
63	45.0	42.3	63.5
89	47.8	43.9	65.9

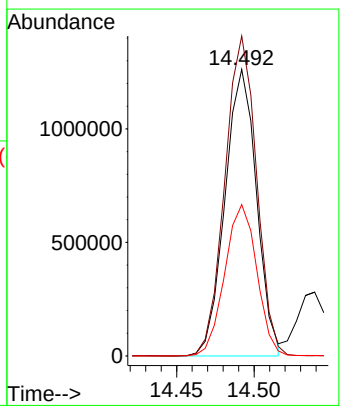


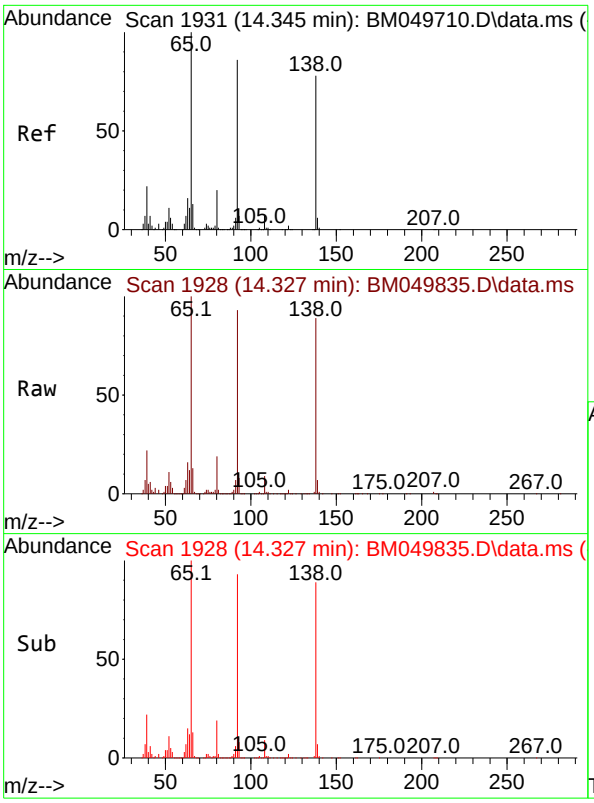


#52
Acenaphthene
Concen: 49.628 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:154 Resp: 1788612

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.4	135.6
152	52.8	44.2	66.2



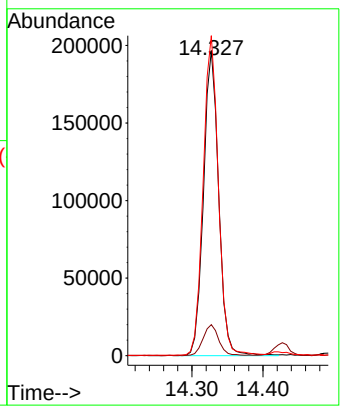


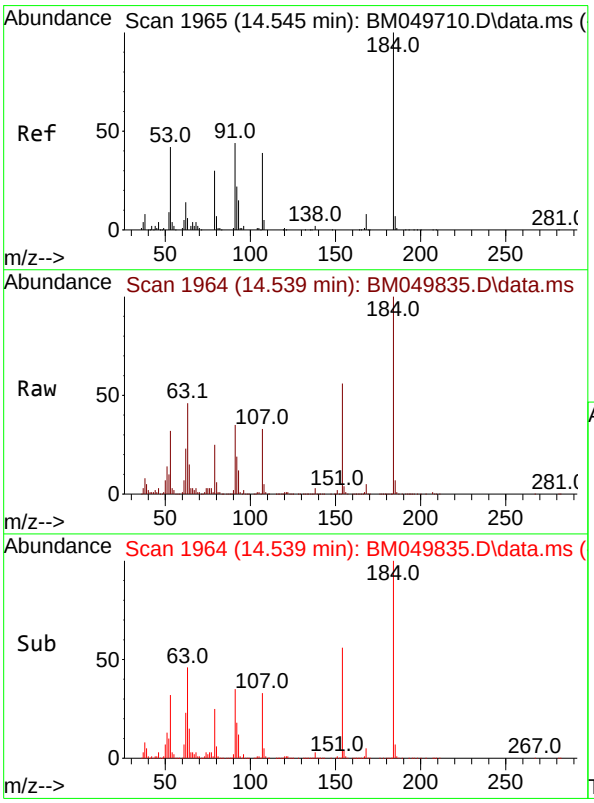
#53
3-Nitroaniline
Concen: 34.011 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:138 Resp: 292564

Ion	Ratio	Lower	Upper
138	100		
108	10.2	7.5	11.3
92	104.9	88.0	132.0

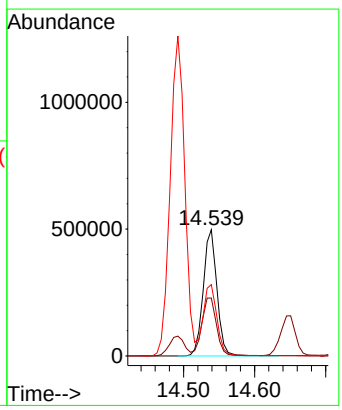


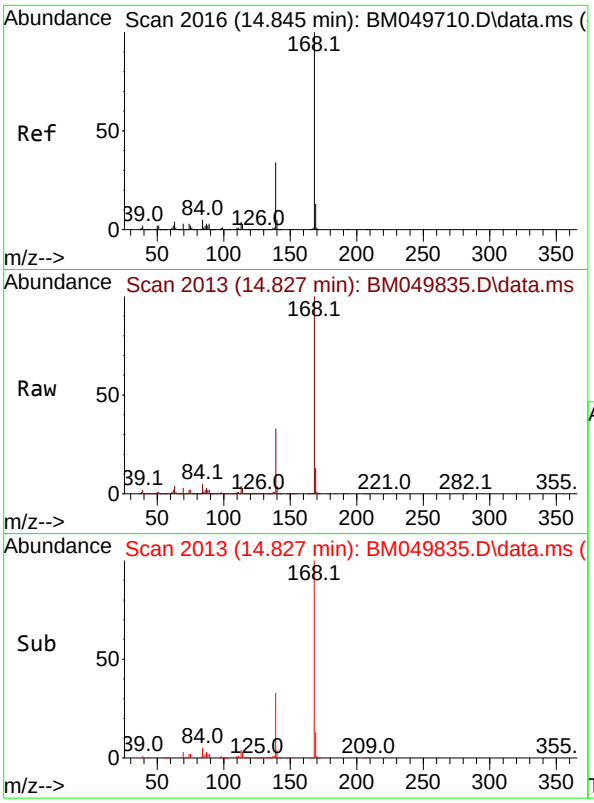


#54
2,4-Dinitrophenol
Concen: 103.811 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:184 Resp: 670138

Ion	Ratio	Lower	Upper
184	100		
63	45.8	47.2	70.8#
154	56.5	49.9	74.9



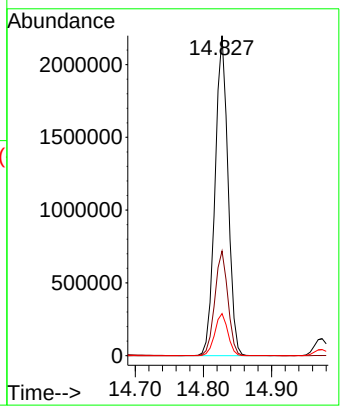


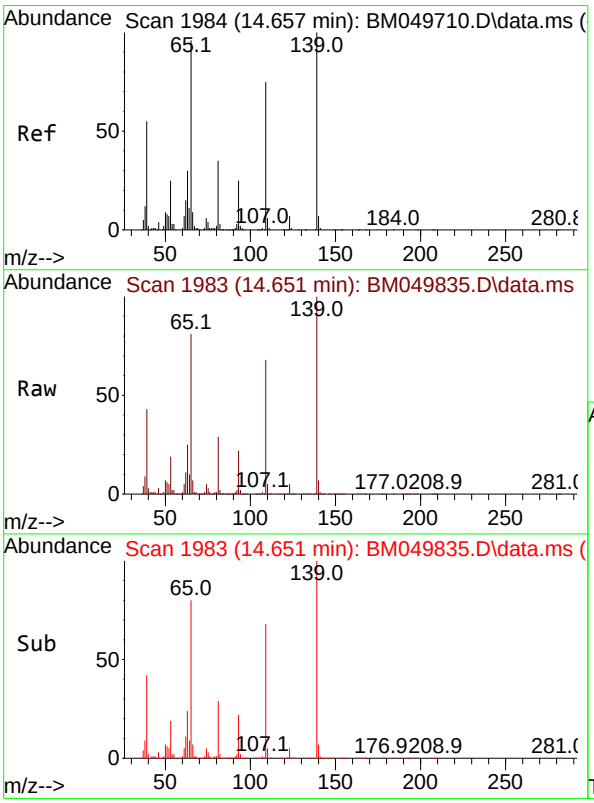
#55
Dibenzofuran
Concen: 48.468 ng
RT: 14.827 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:168 Resp: 2910751

Ion	Ratio	Lower	Upper
168	100		
139	32.7	27.4	41.0
169	13.2	10.7	16.1

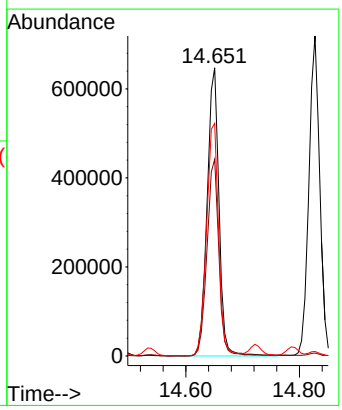


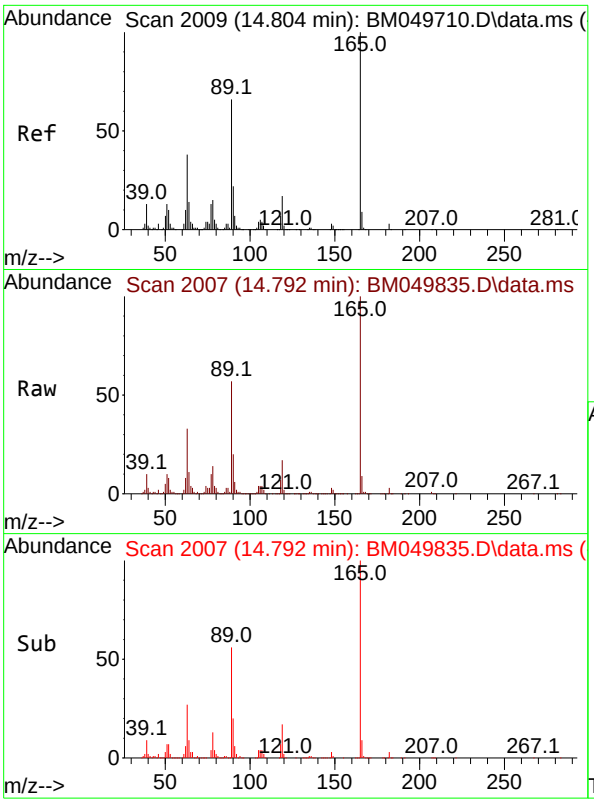


#56
4-Nitrophenol
Concen: 124.890 ng
RT: 14.651 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:139 Resp: 935144

Ion	Ratio	Lower	Upper
139	100		
109	68.3	54.7	94.7
65	80.8	76.2	116.2



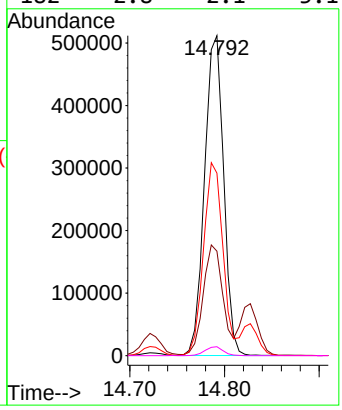


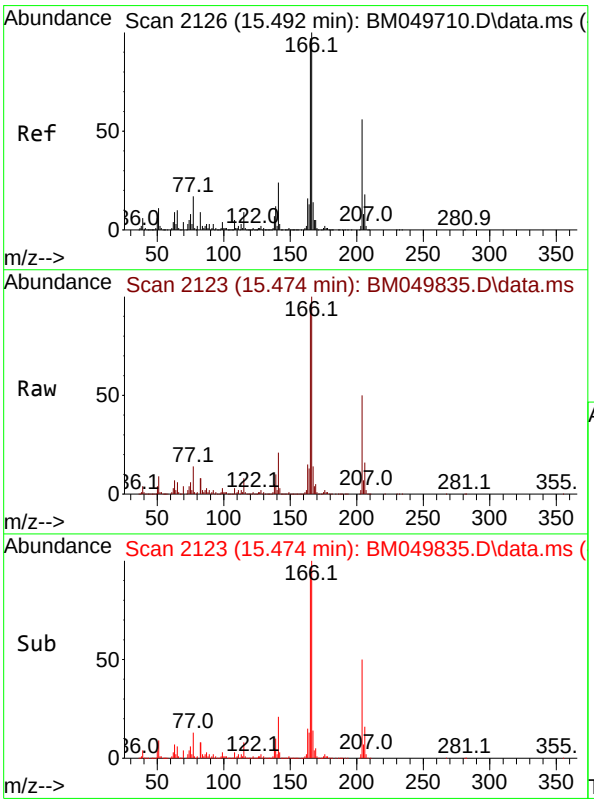
#57
2,4-Dinitrotoluene
Concen: 61.416 ng
RT: 14.792 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:165 Resp: 714379

Ion	Ratio	Lower	Upper
165	100		
63	32.7	30.8	46.2
89	57.0	53.1	79.7
182	2.8	2.1	3.1

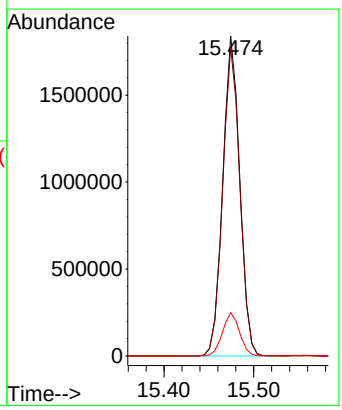


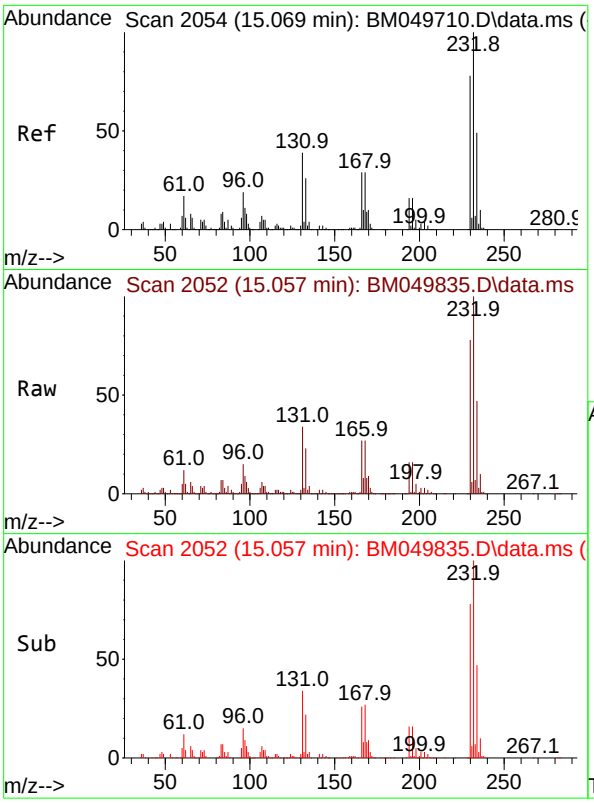


#58
Fluorene
Concen: 49.529 ng
RT: 15.474 min Scan# 2123
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:166 Resp: 2421737

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.5	116.3
167	13.5	10.9	16.3



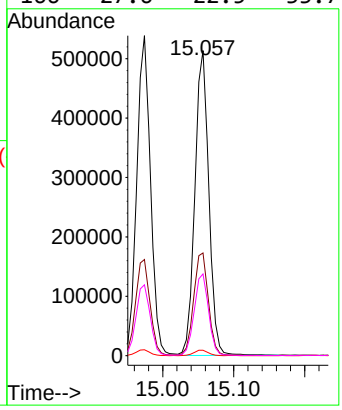


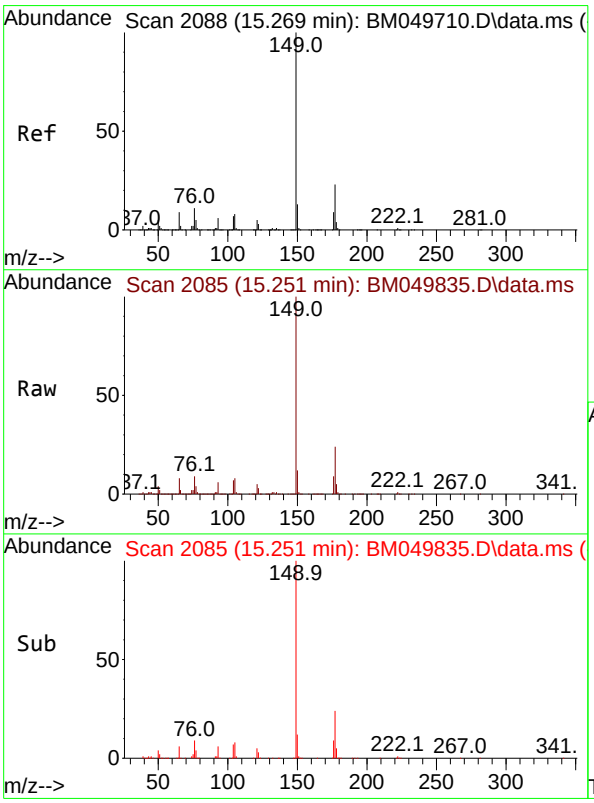
#59
2,3,4,6-Tetrachlorophenol
Concen: 56.918 ng
RT: 15.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:232 Resp: 700873

Ion	Ratio	Lower	Upper
232	100		
131	35.4	30.0	45.0
130	1.9	1.6	2.4
166	27.6	22.5	33.7

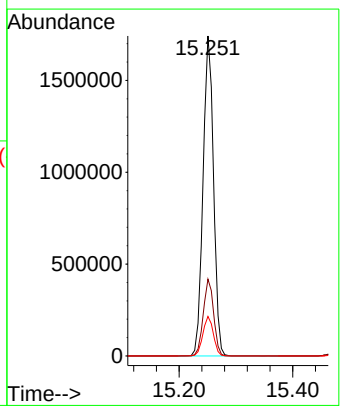


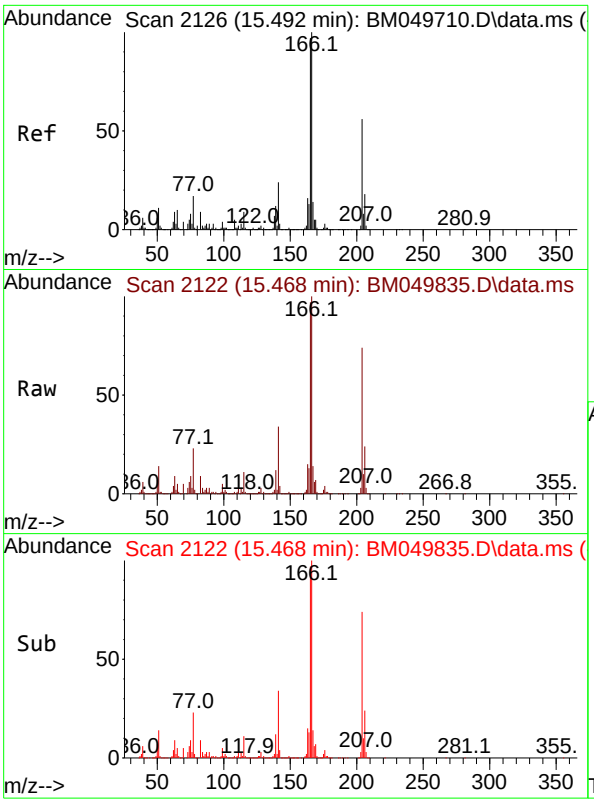


#60
Diethylphthalate
Concen: 52.327 ng
RT: 15.251 min Scan# 2085
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:149 Resp: 2223354

Ion	Ratio	Lower	Upper
149	100		
177	24.0	18.2	27.2
150	12.4	10.0	15.0



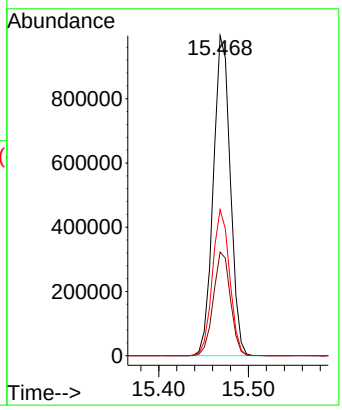


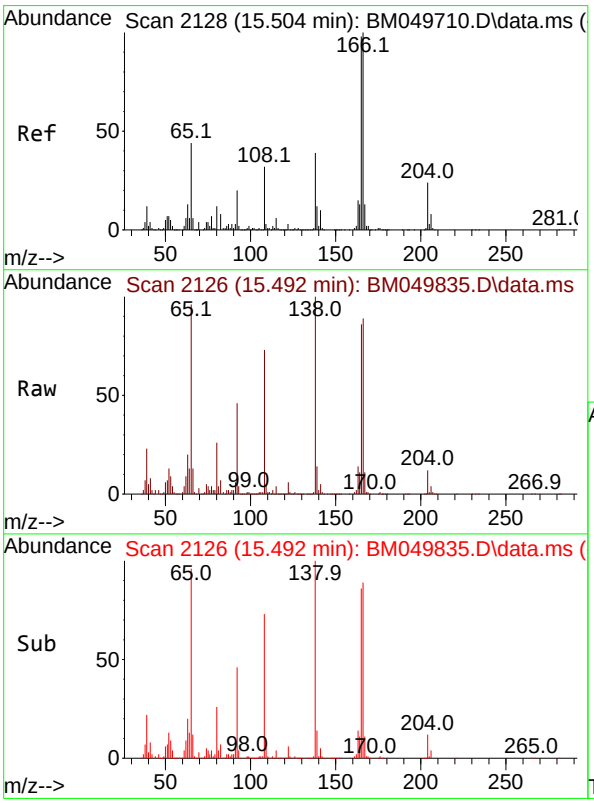
#61
4-Chlorophenyl-phenylether
Concen: 49.027 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:204 Resp: 1309037

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.2	37.8
141	45.7	34.5	51.7

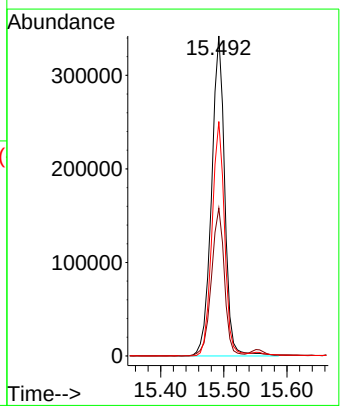


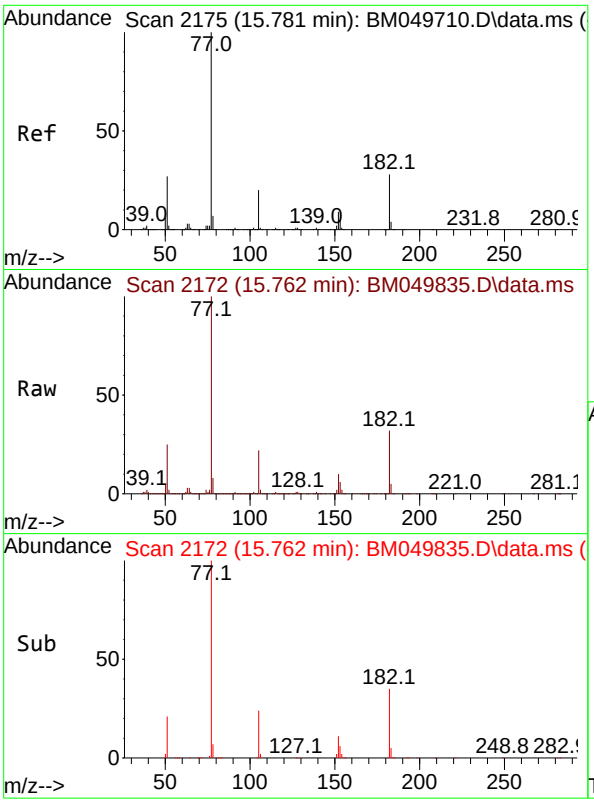


#62
4-Nitroaniline
Concen: 48.508 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:138 Resp: 496912

Ion	Ratio	Lower	Upper
138	100		
92	46.2	29.8	69.8
108	73.2	61.3	101.3



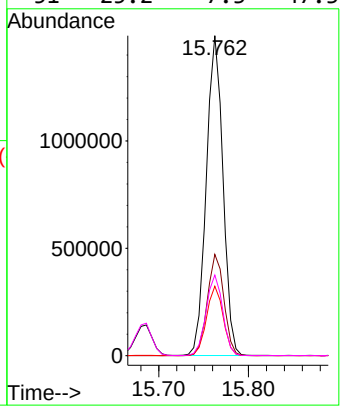


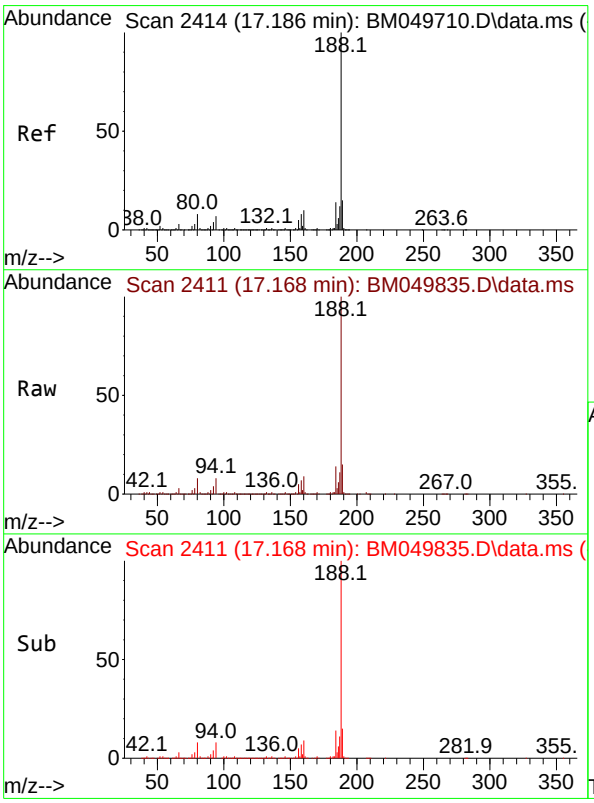
#63
Azobenzene
Concen: 47.315 ng
RT: 15.762 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion: 77 Resp: 1920304

Ion	Ratio	Lower	Upper
77	100		
182	31.7	8.0	48.0
105	21.7	0.0	40.0
51	25.2	7.3	47.3

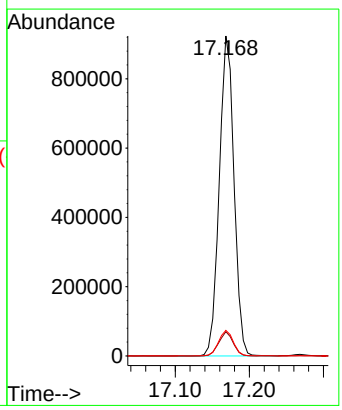


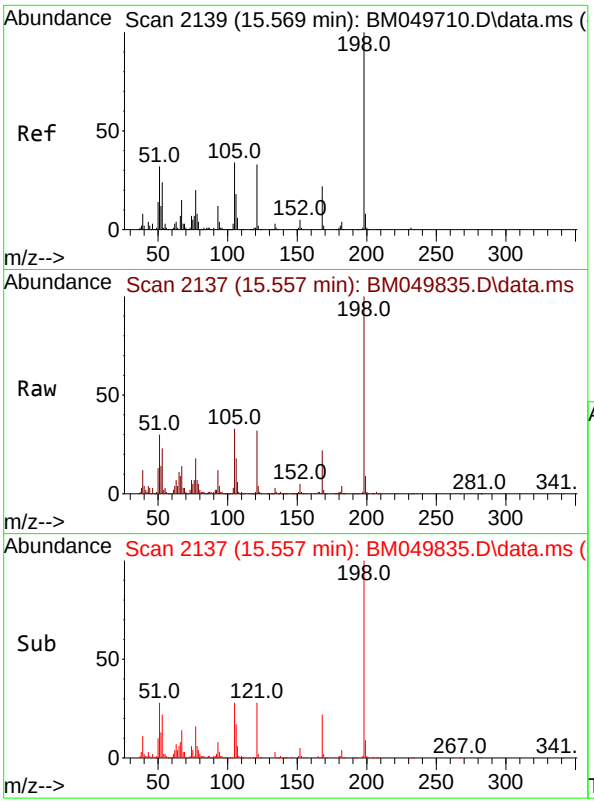


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:188 Resp: 1274582

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.8	8.6
80	8.0	6.3	9.5



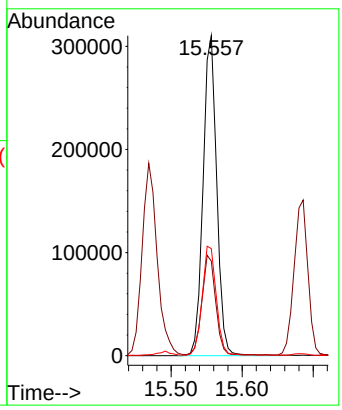


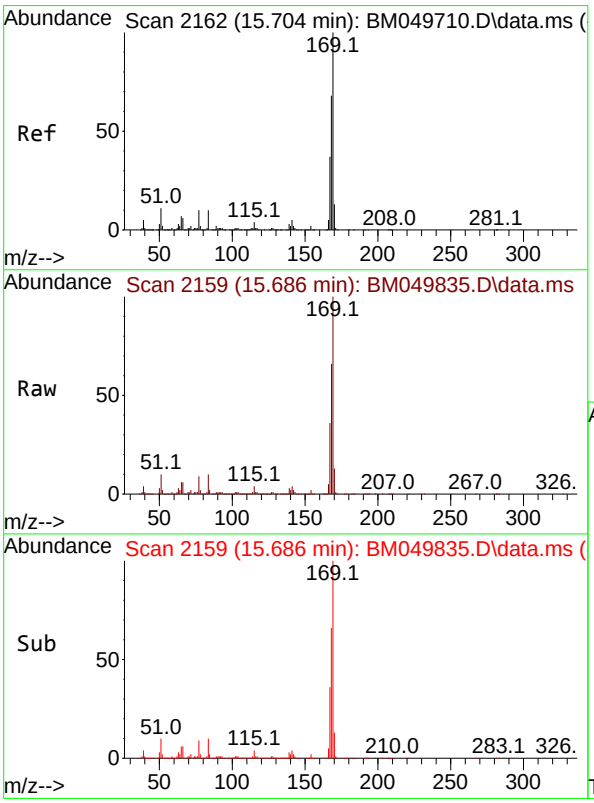
#65
4,6-Dinitro-2-methylphenol
Concen: 57.020 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:198 Resp: 415746

Ion	Ratio	Lower	Upper
198	100		
51	29.6	13.8	53.8
105	33.4	14.0	54.0

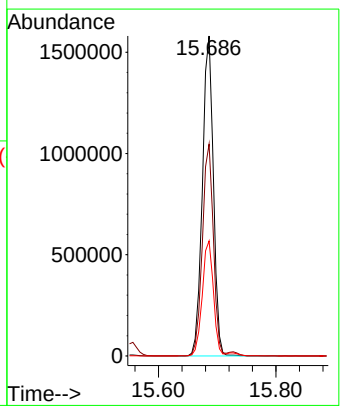


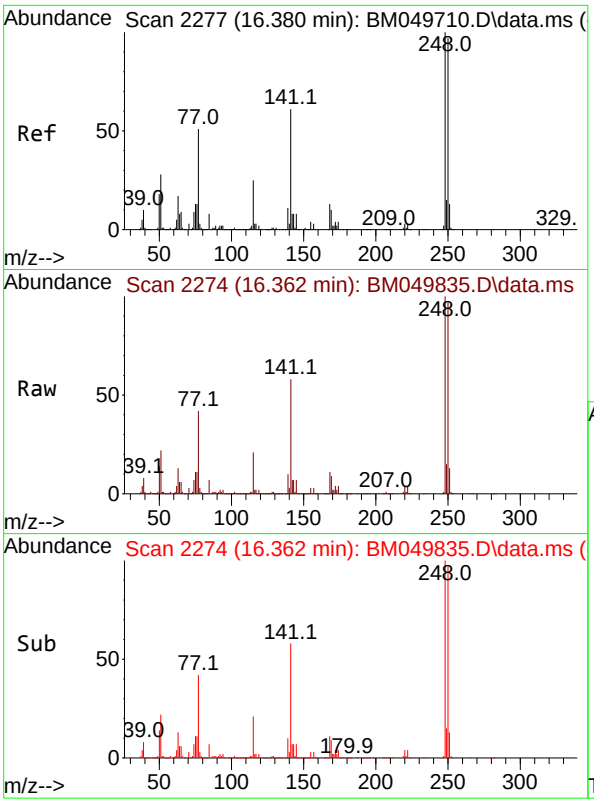


#66
n-Nitrosodiphenylamine
Concen: 53.215 ng
RT: 15.686 min Scan# 2159
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:169 Resp: 2055011

Ion	Ratio	Lower	Upper
169	100		
168	66.2	54.8	82.2
167	35.9	29.9	44.9



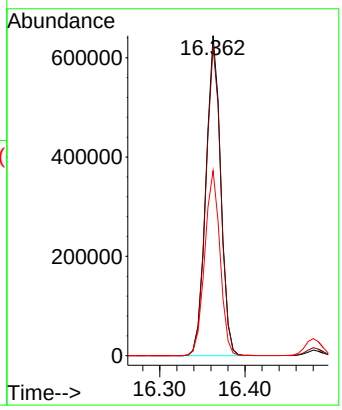


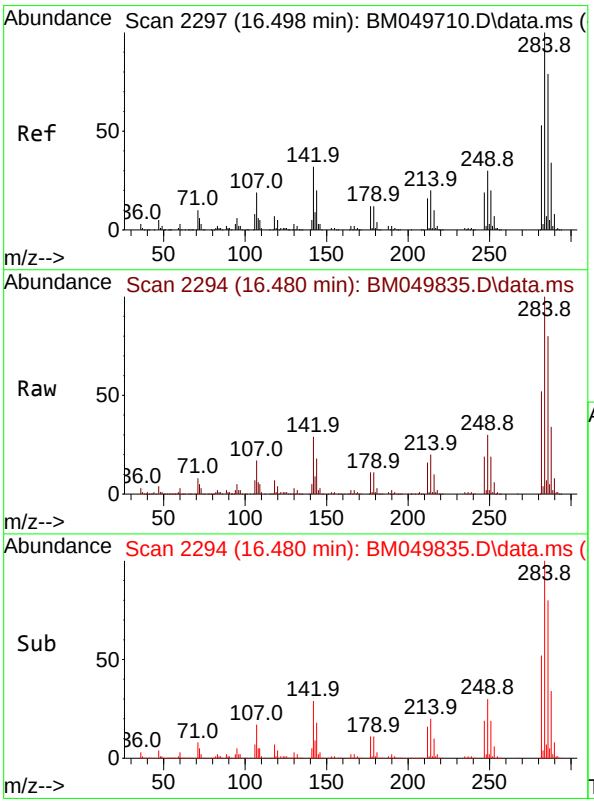
#67
4-Bromophenyl-phenylether
Concen: 52.885 ng
RT: 16.362 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:248 Resp: 778250

Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.9	116.9
141	57.8	48.6	73.0

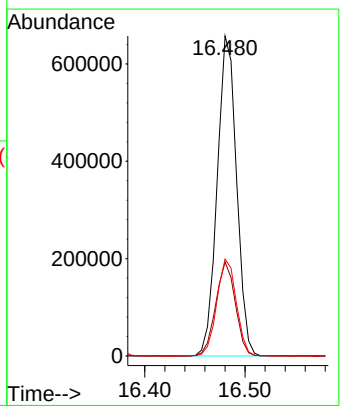


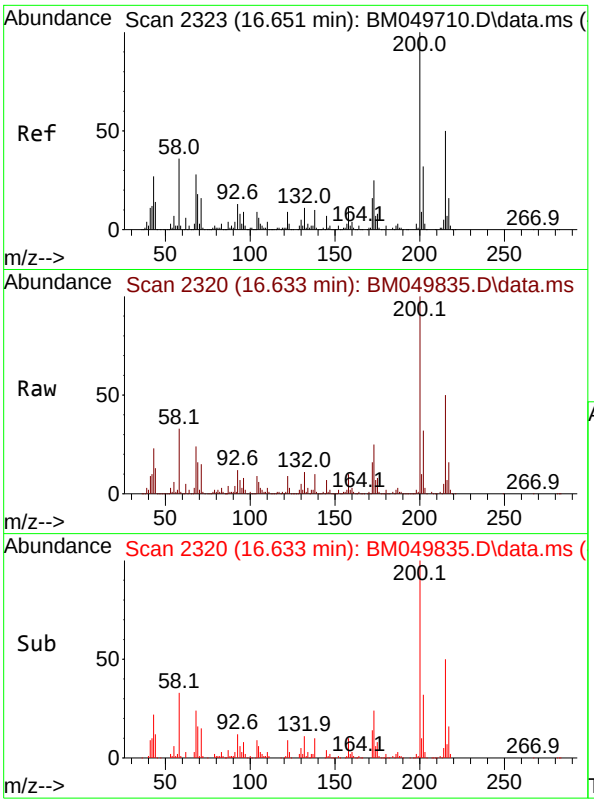


#68
Hexachlorobenzene
Concen: 53.319 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:284 Resp: 882335

Ion	Ratio	Lower	Upper
284	100		
142	29.4	25.5	38.3
249	30.2	24.2	36.2



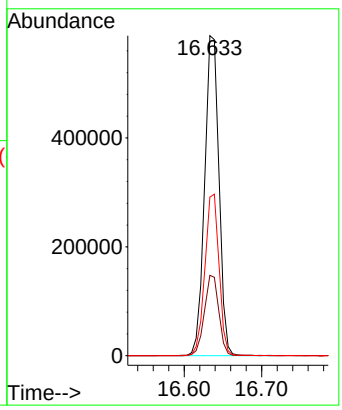


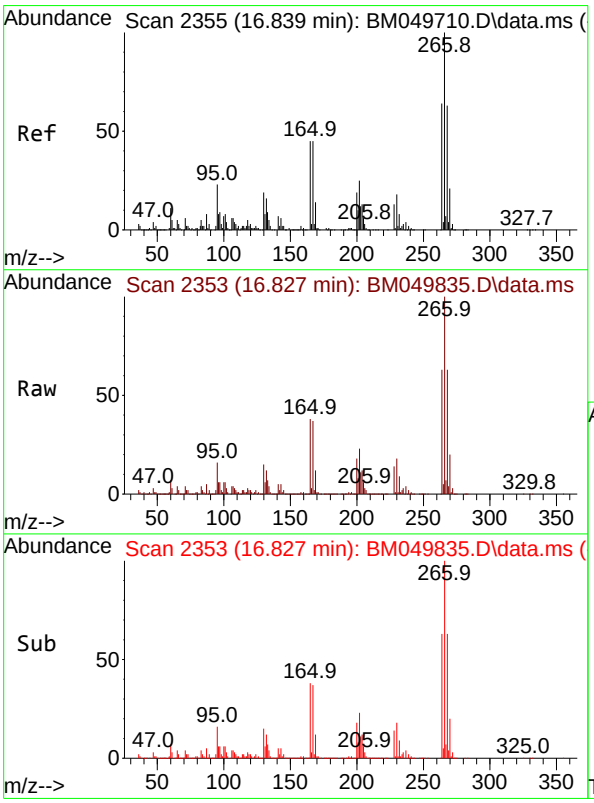
#69
Atrazine
Concen: 88.822 ng
RT: 16.633 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:200 Resp: 755933

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.4	45.4
215	49.5	29.8	69.8

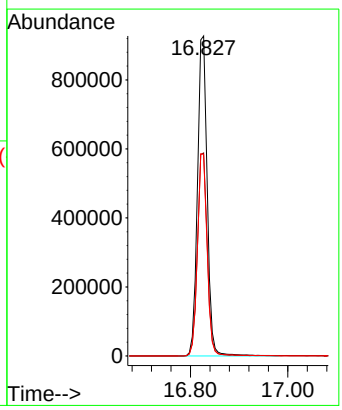


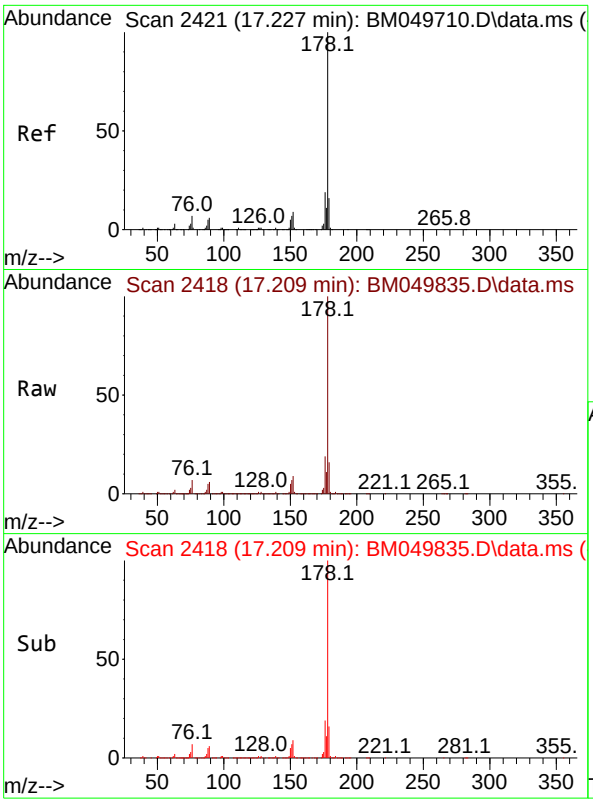


#70
Pentachlorophenol
Concen: 124.467 ng
RT: 16.827 min Scan# 2353
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:266 Resp: 1294388

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.2	75.2
264	62.9	51.3	76.9



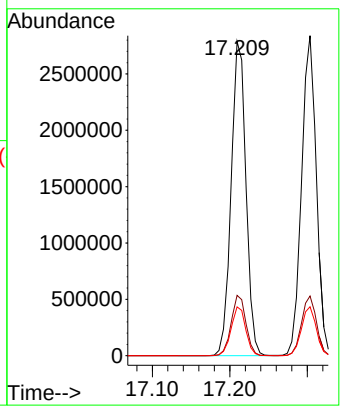


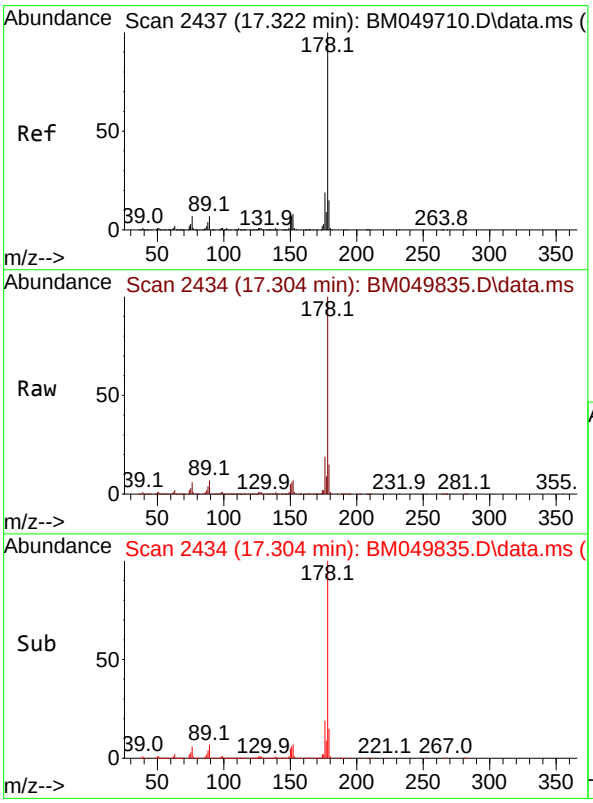
#71
Phenanthrene
Concen: 52.462 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:178 Resp: 3712945

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.5	18.7

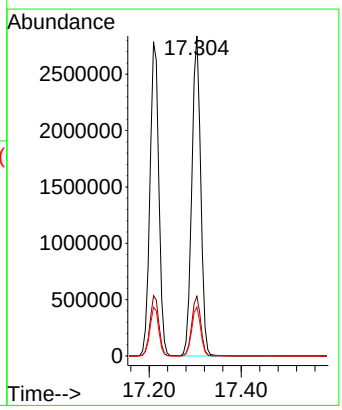


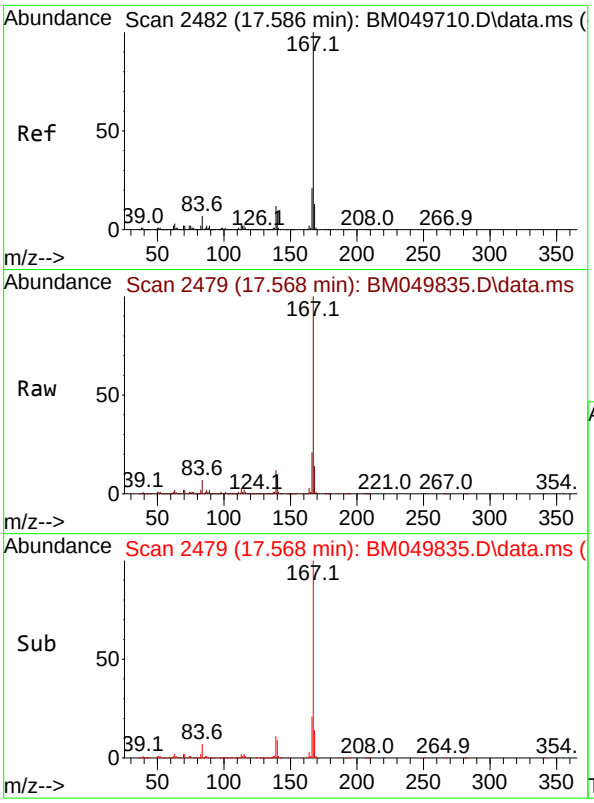


#72
Anthracene
Concen: 55.085 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:178 Resp: 3775589

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.3	12.4	18.6



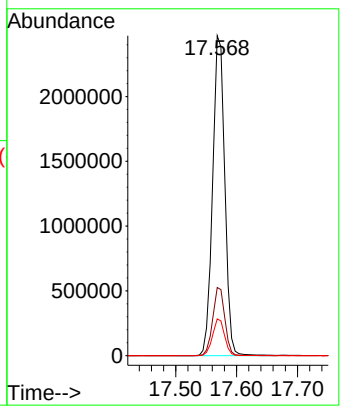


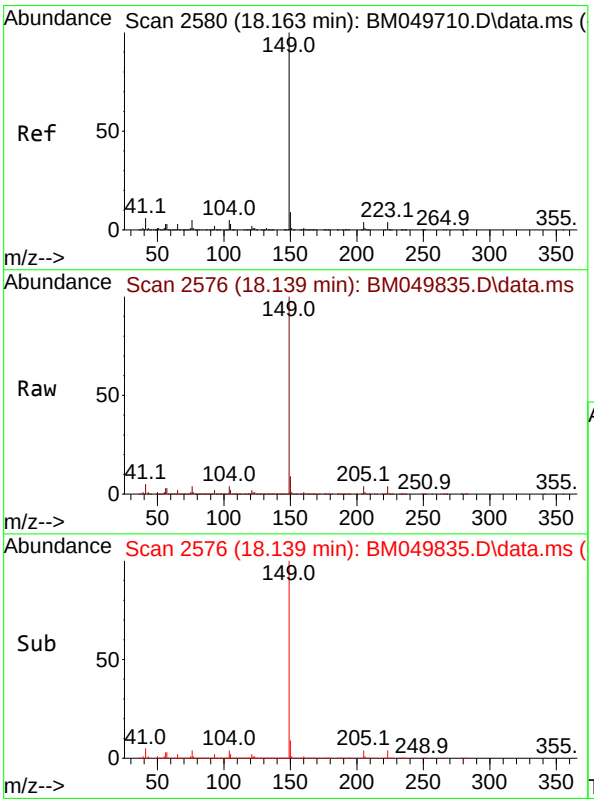
#73
Carbazole
Concen: 55.205 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:167 Resp: 3426771

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	11.5	9.4	14.2

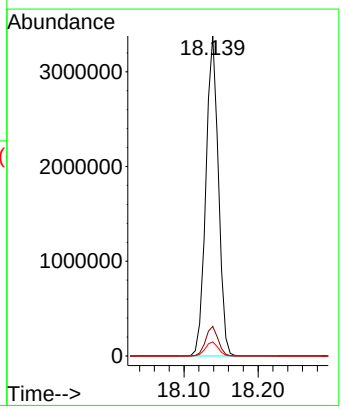


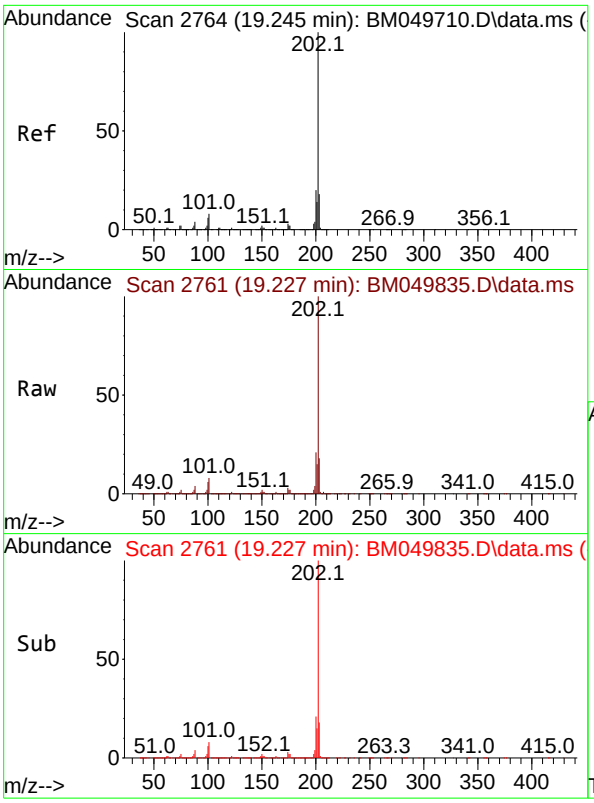


#74
Di-n-butylphthalate
Concen: 58.189 ng
RT: 18.139 min Scan# 2576
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:149 Resp: 3958932

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.4	3.9	5.9



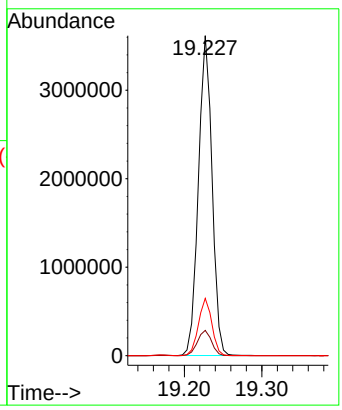


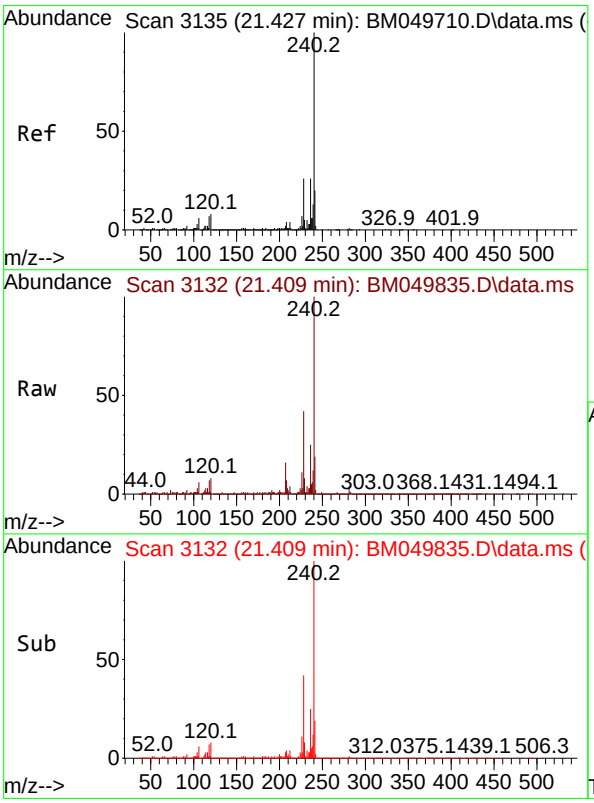
#75
Fluoranthene
Concen: 54.143 ng
RT: 19.227 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:202 Resp: 4411665

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.8
203	17.9	0.0	37.6

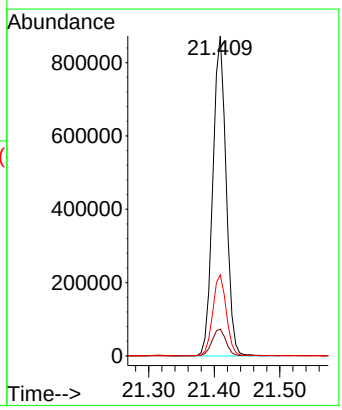


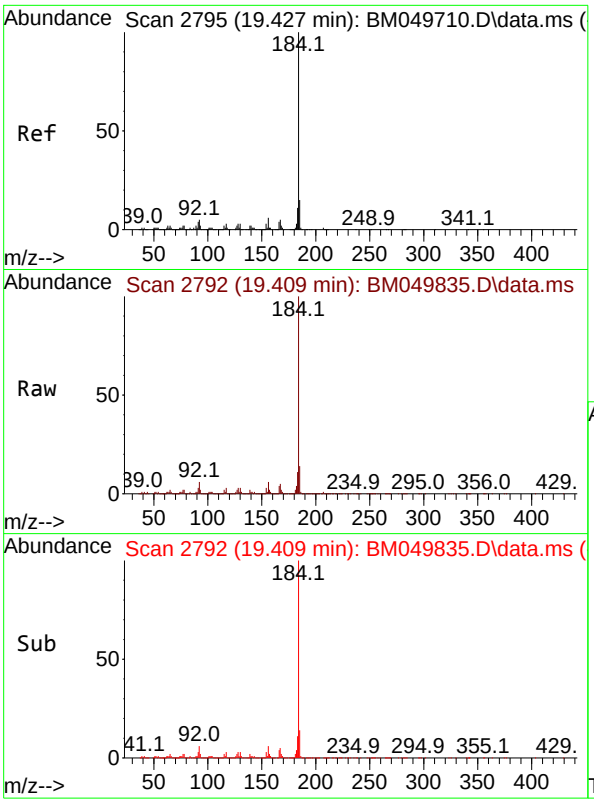


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3132
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:240 Resp: 1227514

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	25.4	20.7	31.1



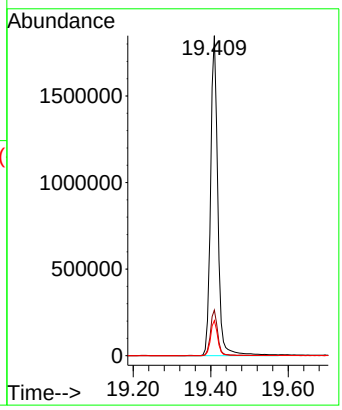


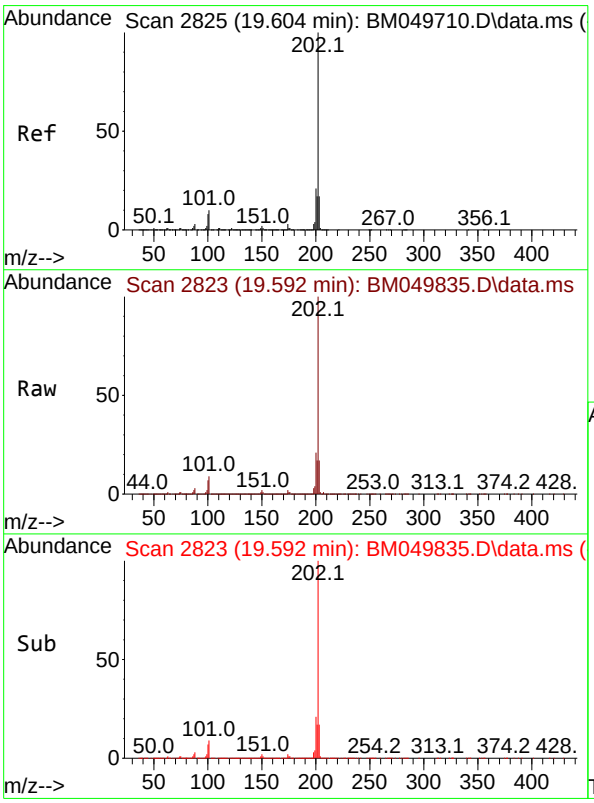
#77
Benzidine
Concen: 163.212 ng
RT: 19.409 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:184 Resp: 2406945

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.7	17.5
183	11.0	8.8	13.2

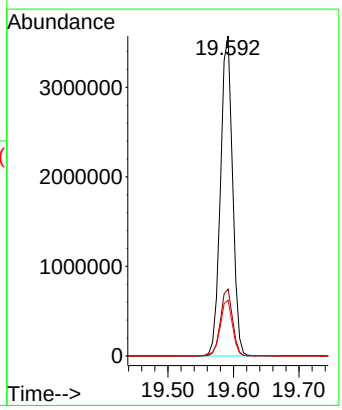


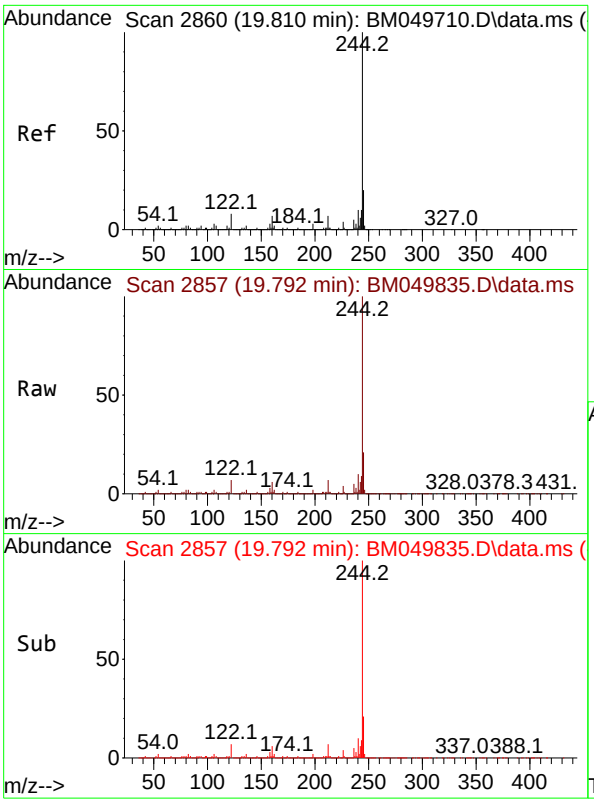


#78
Pyrene
Concen: 52.959 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:202 Resp: 4541810

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.4	14.0	21.0



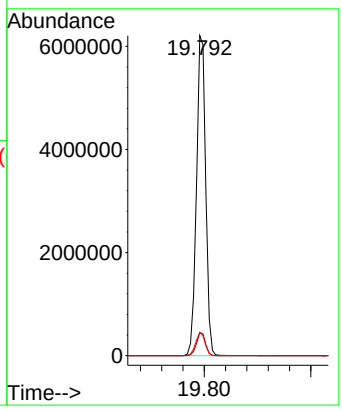


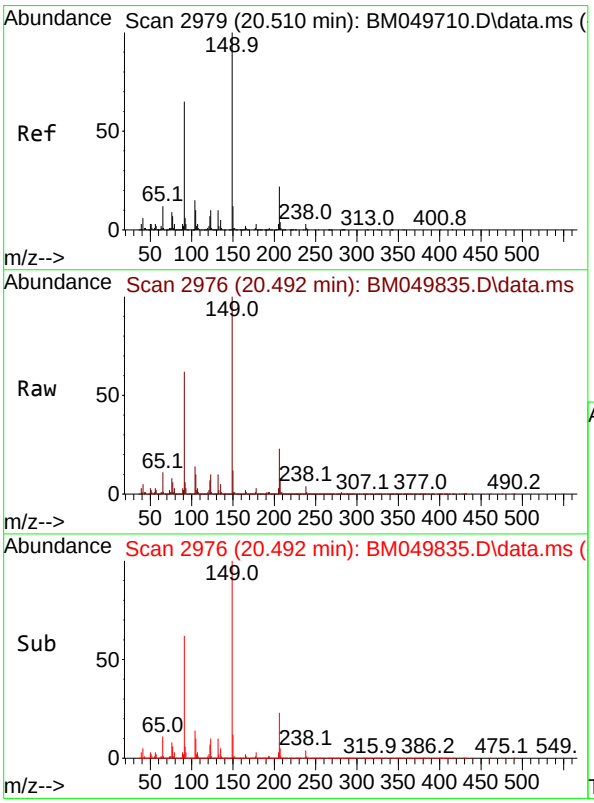
#79
Terphenyl-d14
Concen: 102.259 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:244 Resp: 7449014

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	7.3	6.0	9.0

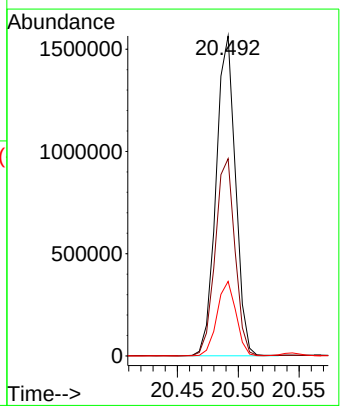


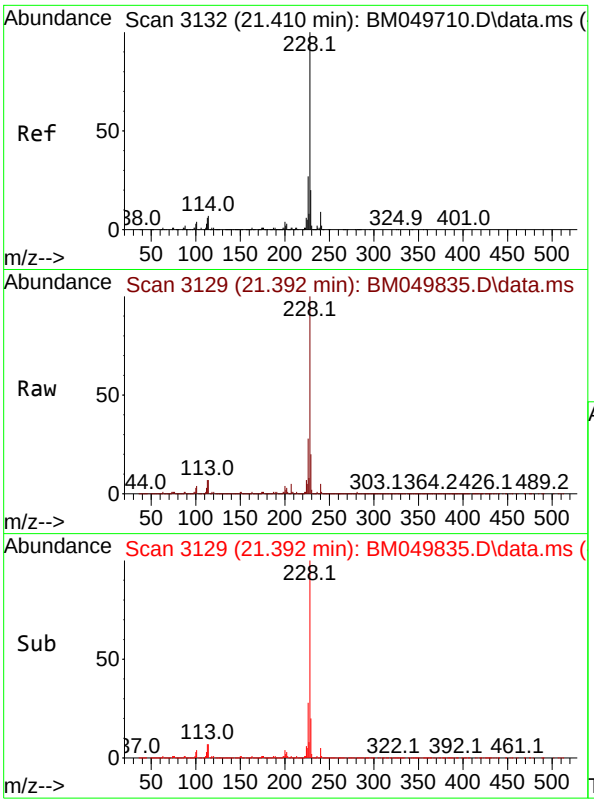


#80
Butylbenzylphthalate
Concen: 65.242 ng
RT: 20.492 min Scan# 2976
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:149 Resp: 1736401

Ion	Ratio	Lower	Upper
149	100		
91	61.7	52.2	78.4
206	23.3	17.6	26.4



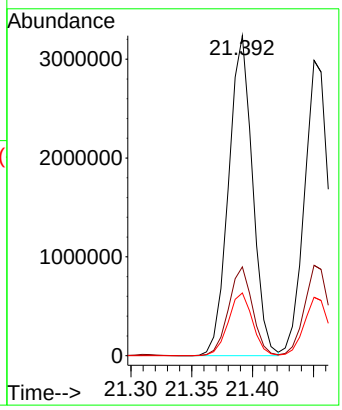


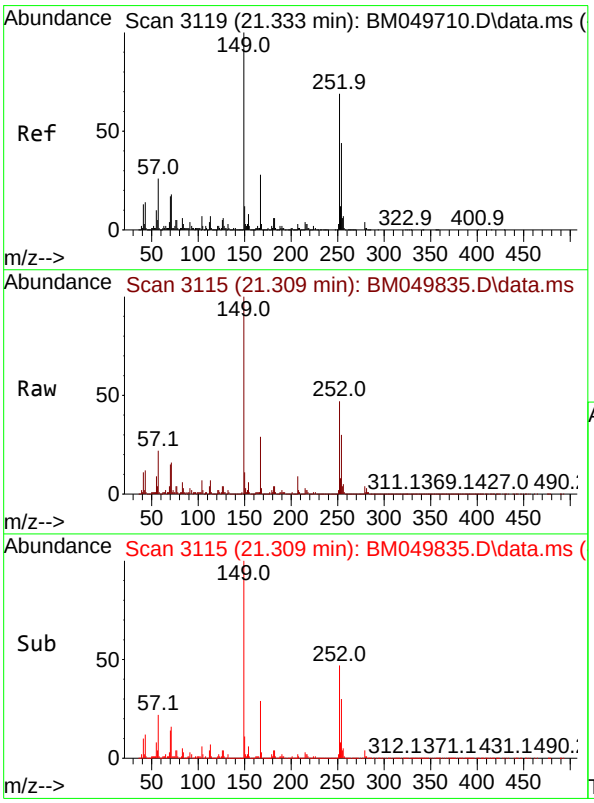
#81
Benzo(a)anthracene
Concen: 54.053 ng
RT: 21.392 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:228 Resp: 4431789

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	19.6	15.8	23.8

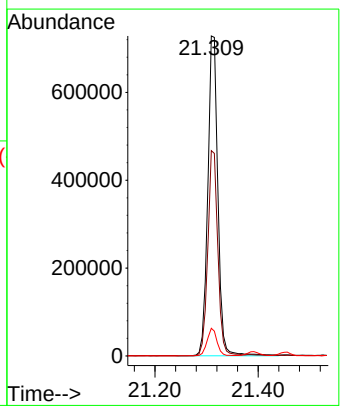


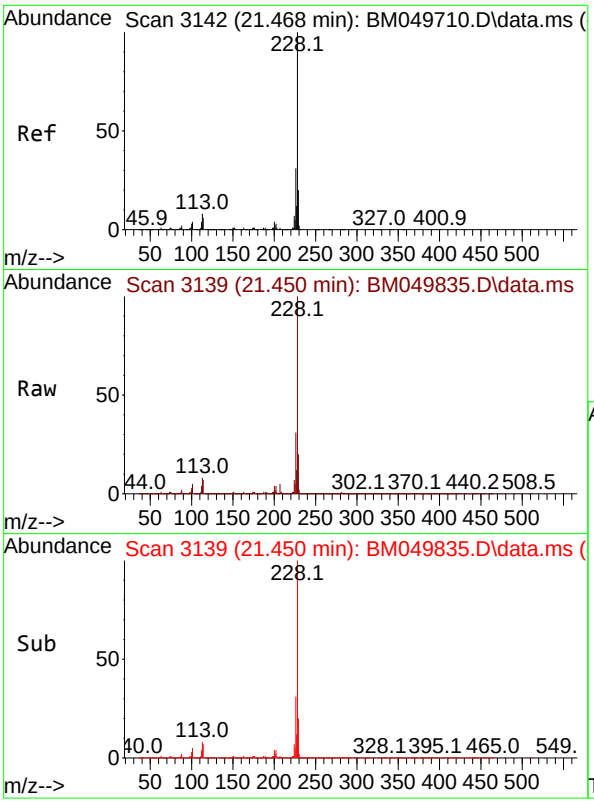


#82
3,3'-Dichlorobenzidine
Concen: 36.957 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:252 Resp: 986523

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.0	76.4
126	8.7	6.3	9.5



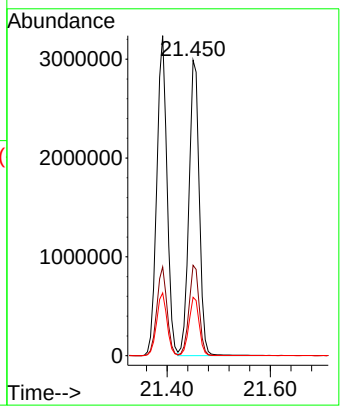


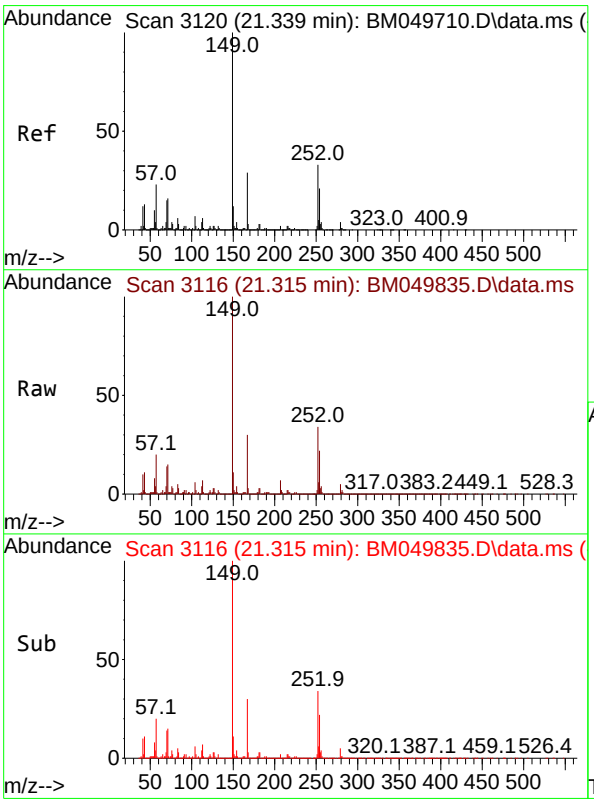
#83
Chrysene
Concen: 53.079 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:228 Resp: 4125400

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	19.8	15.8	23.6

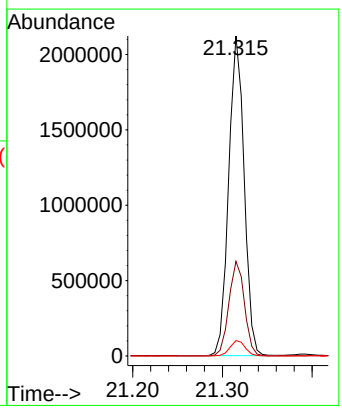


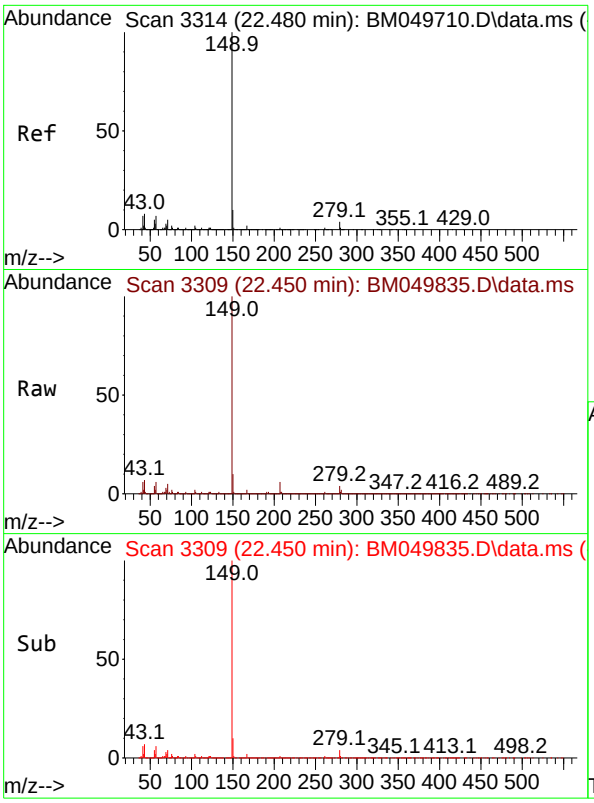


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.209 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:149 Resp: 2538850

Ion	Ratio	Lower	Upper
149	100		
167	29.6	22.9	34.3
279	4.8	3.5	5.3



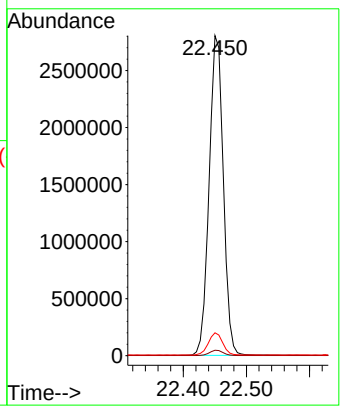


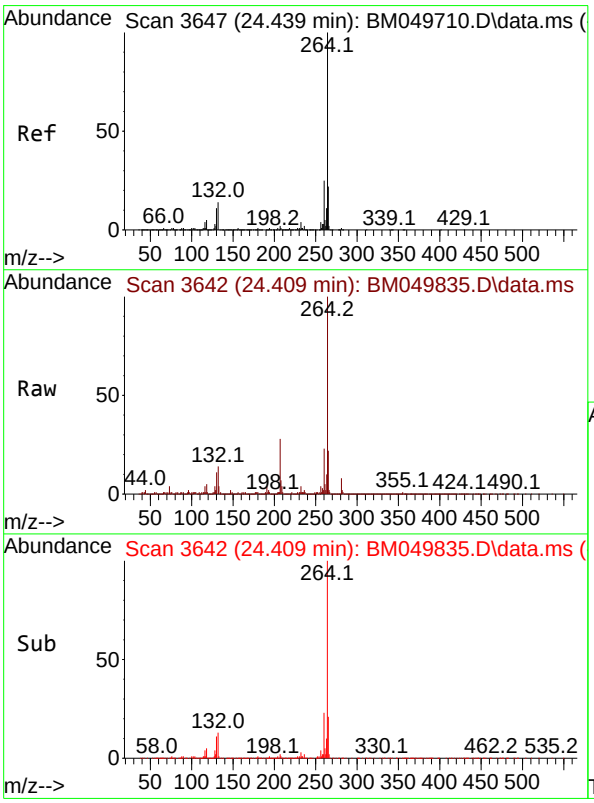
#85
Di-n-octyl phthalate
Concen: 67.839 ng
RT: 22.450 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:149 Resp: 4373488

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	6.8	10.2

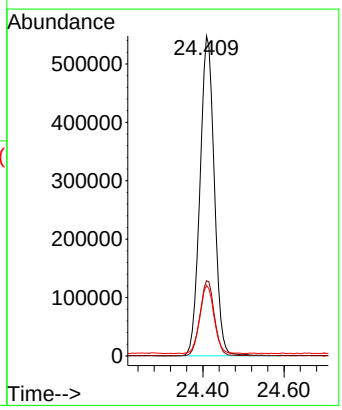


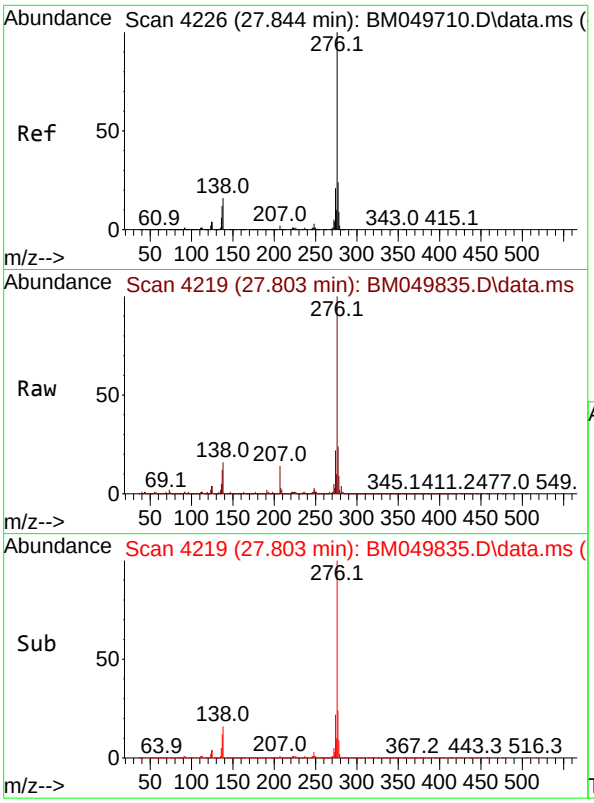


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:264 Resp: 1340439

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	22.1	18.2	27.2



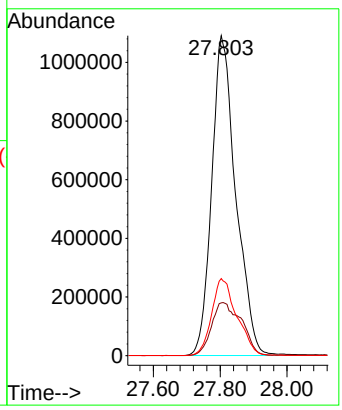


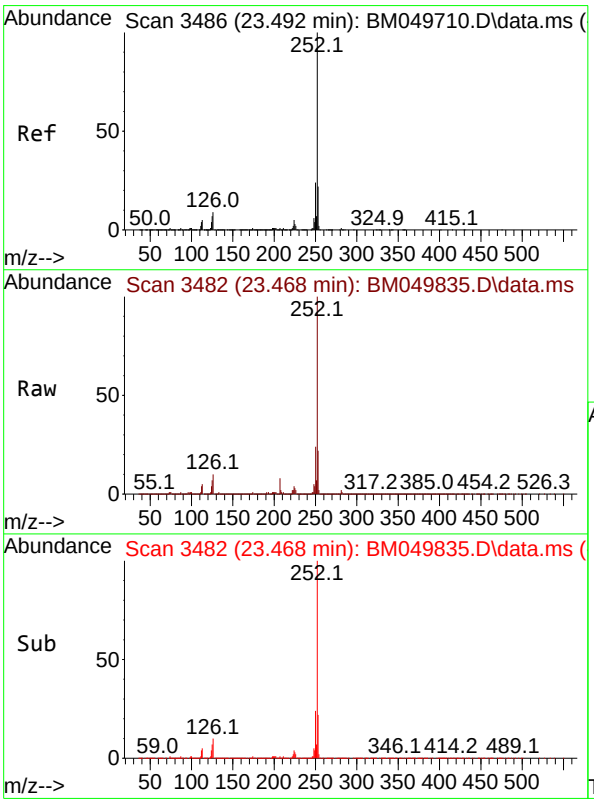
#87
Indeno(1,2,3-cd)pyrene
Concen: 56.659 ng
RT: 27.803 min Scan# 4
Delta R.T. -0.042 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:276 Resp: 5466399

Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.3	24.5
277	25.1	19.9	29.9

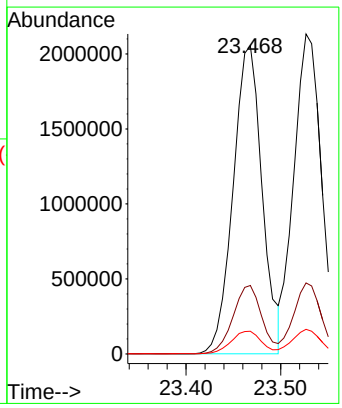


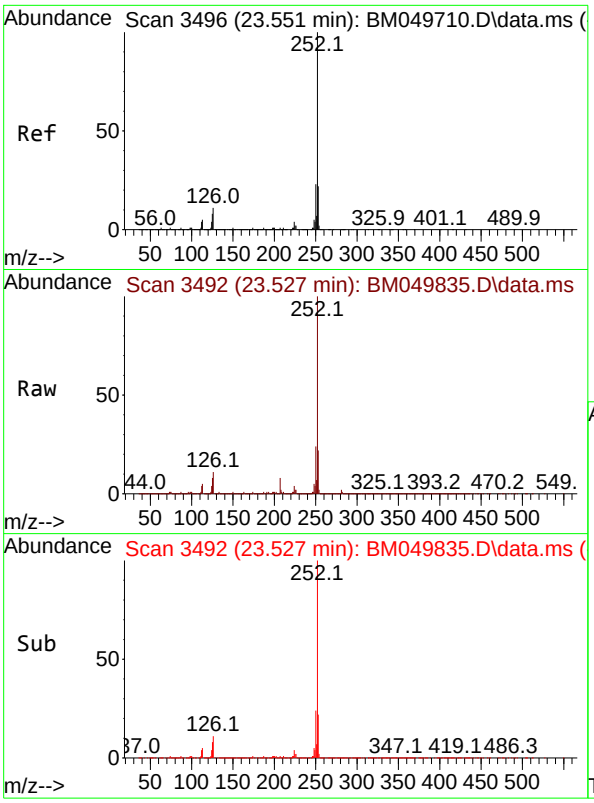


#88
Benzo(b)fluoranthene
Concen: 48.521 ng
RT: 23.468 min Scan# 3482
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:252 Resp: 4380628

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	7.4	5.9	8.9



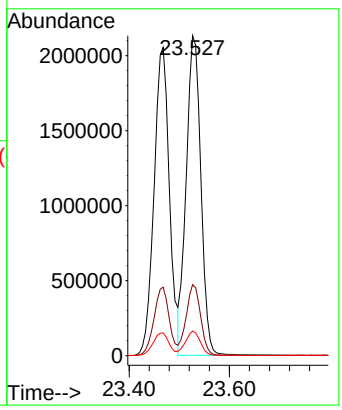


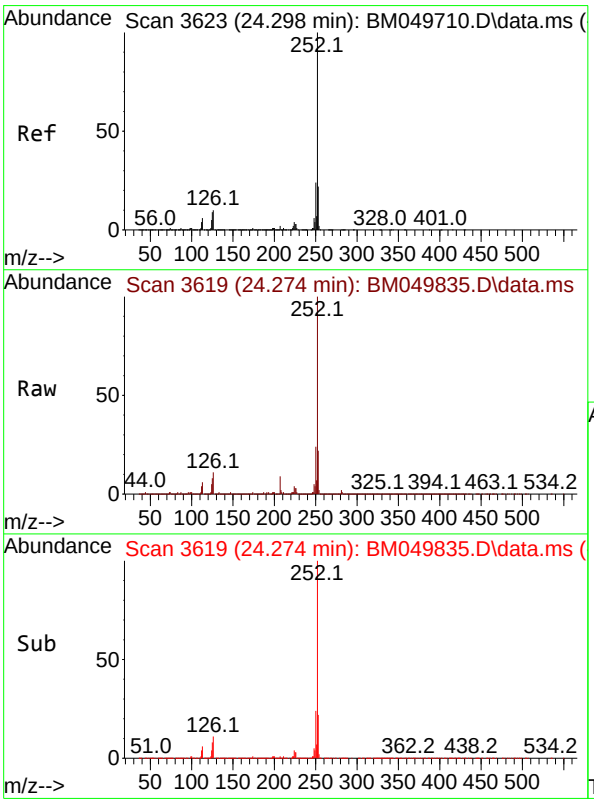
#89
Benzo(k)fluoranthene
Concen: 48.829 ng
RT: 23.527 min Scan# 34
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:252 Resp: 4337874

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	7.7	6.2	9.2

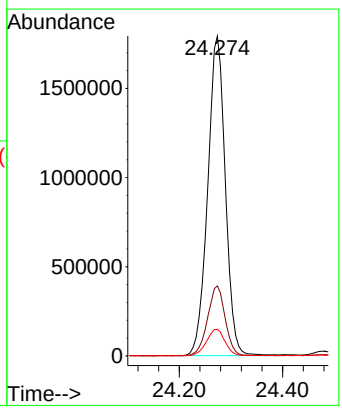


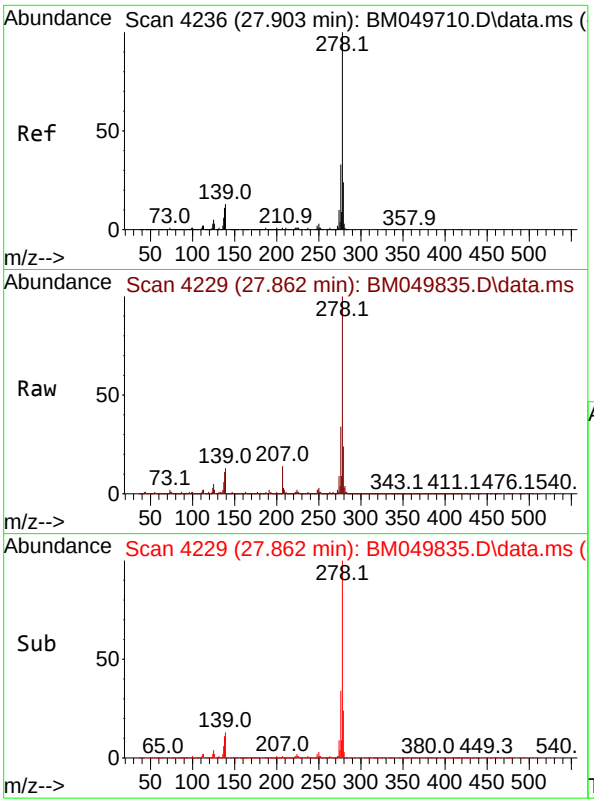


#90
Benzo(a)pyrene
Concen: 55.970 ng
RT: 24.274 min Scan# 3619
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:252 Resp: 4244481

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	8.3	7.0	10.6



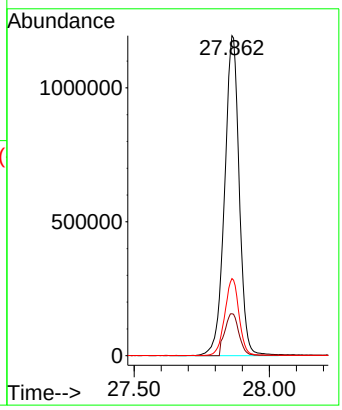


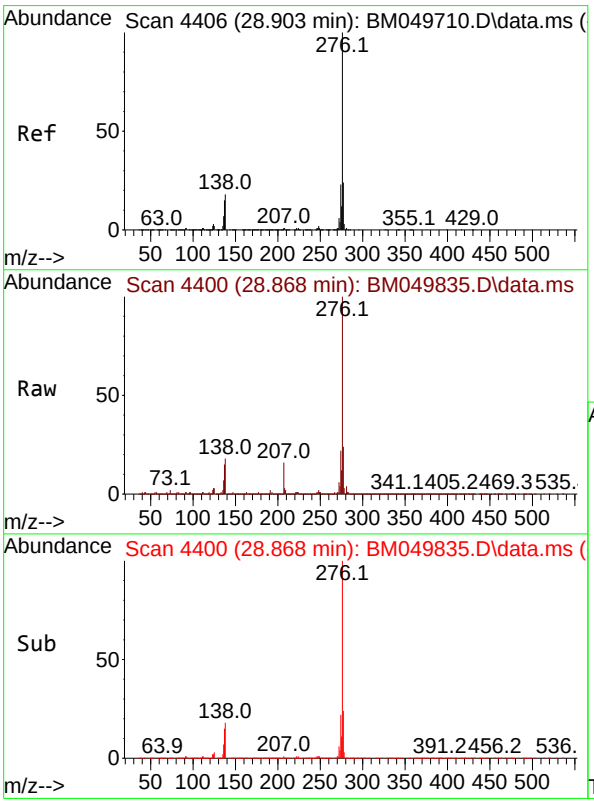
#91
Dibenzo(a,h)anthracene
Concen: 55.869 ng
RT: 27.862 min Scan# 4
Delta R.T. -0.042 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:278 Resp: 4490850

Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.1	15.1
279	24.1	19.1	28.7

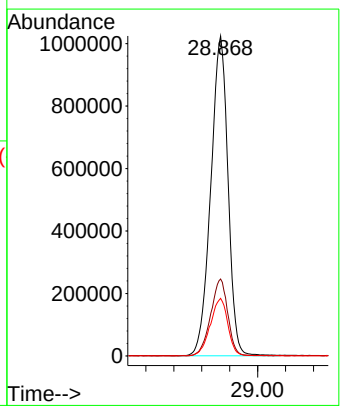




#92
Benzo(g,h,i)perylene
Concen: 54.030 ng
RT: 28.868 min Scan# 4400
Delta R.T. -0.036 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:276 Resp: 4374612

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	18.0	14.0	21.0



Raw Data: **BM049840.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/03/25
Project:	Stockton	Date Received:	04/03/25
Client Sample ID:	AU-05-040325MS	SDG No.:	Q1675
Lab Sample ID:	Q1721-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM049840.D	2	04/04/25 10:32	04/07/25 15:22	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1200		31.3	230	ug/Kg
91-57-6	2-Methylnaphthalene	1100		35.2	230	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	64.4		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.3		30 (20) - 130 (109)	61%	SPK: 100
1718-51-0	Terphenyl-d14	57.9		30 (10) - 130 (105)	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	393000	7.787			
1146-65-2	Naphthalene-d8	1400000	10.581			
15067-26-2	Acenaphthene-d10	888000	14.427			
1517-22-2	Phenanthrene-d10	1720000	17.168			
1719-03-5	Chrysene-d12	1690000	21.409			
1520-96-3	Perylene-d12	1890000	24.409			

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	392804	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1404251	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	888245	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1716279	20.000	ng		-0.02
76) Chrysene-d12	21.409	240	1693342	20.000	ng		-0.02
86) Perylene-d12	24.409	264	1886435	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1225224	52.631	ng		-0.02
7) Phenol-d6	6.957	99	1535286	52.552	ng		-0.02
23) Nitrobenzene-d5	8.939	82	880861	32.206	ng		-0.02
42) 2,4,6-Tribromophenol	15.915	330	712614	68.705	ng		-0.02
45) 2-Fluorobiphenyl	13.045	172	2175235	30.670	ng		-0.02
79) Terphenyl-d14	19.792	244	2908837	28.947	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	185355	18.393	ng		98
3) Pyridine	3.669	79	539454	20.960	ng		97
4) n-Nitrosodimethylamine	3.575	42	220833	19.392	ng	#	86
6) Aniline	7.110	93	565121	23.089	ng		99
8) 2-Chlorophenol	7.351	128	654462	28.389	ng		96
9) Benzaldehyde	6.922	77	348406	24.123	ng		95
10) Phenol	6.987	94	771862	27.247	ng		93
11) bis(2-Chloroethyl)ether	7.204	93	592450	25.827	ng		97
12) 1,3-Dichlorobenzene	7.675	146	726775	25.941	ng		97
13) 1,4-Dichlorobenzene	7.816	146	731656	25.887	ng		98
14) 1,2-Dichlorobenzene	8.134	146	703837	26.203	ng		98
15) Benzyl Alcohol	8.022	79	506673	27.636	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	681728m	25.285	ng		
17) 2-Methylphenol	8.234	107	494812	29.421	ng		95
18) Hexachloroethane	8.863	117	251351	25.183	ng		90
19) n-Nitroso-di-n-propyla...	8.586	70	423645	25.008	ng		97
20) 3+4-Methylphenols	8.557	107	672290	29.829	ng		97
22) Acetophenone	8.604	105	869534	24.015	ng		97
24) Nitrobenzene	8.981	77	613433	23.786	ng		92
25) Isophorone	9.510	82	1154874	27.501	ng		96
26) 2-Nitrophenol	9.692	139	367434	33.474	ng		94
27) 2,4-Dimethylphenol	9.757	122	560761	40.134	ng		95
28) bis(2-Chloroethoxy)met...	9.992	93	735485	24.867	ng		98
29) 2,4-Dichlorophenol	10.228	162	673450	29.580	ng		97
30) 1,2,4-Trichlorobenzene	10.445	180	725722	25.477	ng		99
31) Naphthalene	10.628	128	1824307	25.265	ng		99
33) 4-Chloroaniline	10.733	127	487832	19.796	ng		98
34) Hexachlorobutadiene	10.922	225	452652	25.741	ng		99
35) Caprolactam	11.516	113	182886	34.599	ng		87
36) 4-Chloro-3-methylphenol	11.869	107	563512	28.841	ng		98
37) 2-Methylnaphthalene	12.245	142	1200338	23.773	ng		98
38) 1-Methylnaphthalene	12.463	142	1258072	25.826	ng		98
40) 1,2,4,5-Tetrachloroben...	12.616	216	803247	24.619	ng		99
41) Hexachlorocyclopentadiene	12.598	237	235515	19.485	ng		100
43) 2,4,6-Trichlorophenol	12.857	196	594044	32.509	ng		98
44) 2,4,5-Trichlorophenol	12.927	196	641644	32.177	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

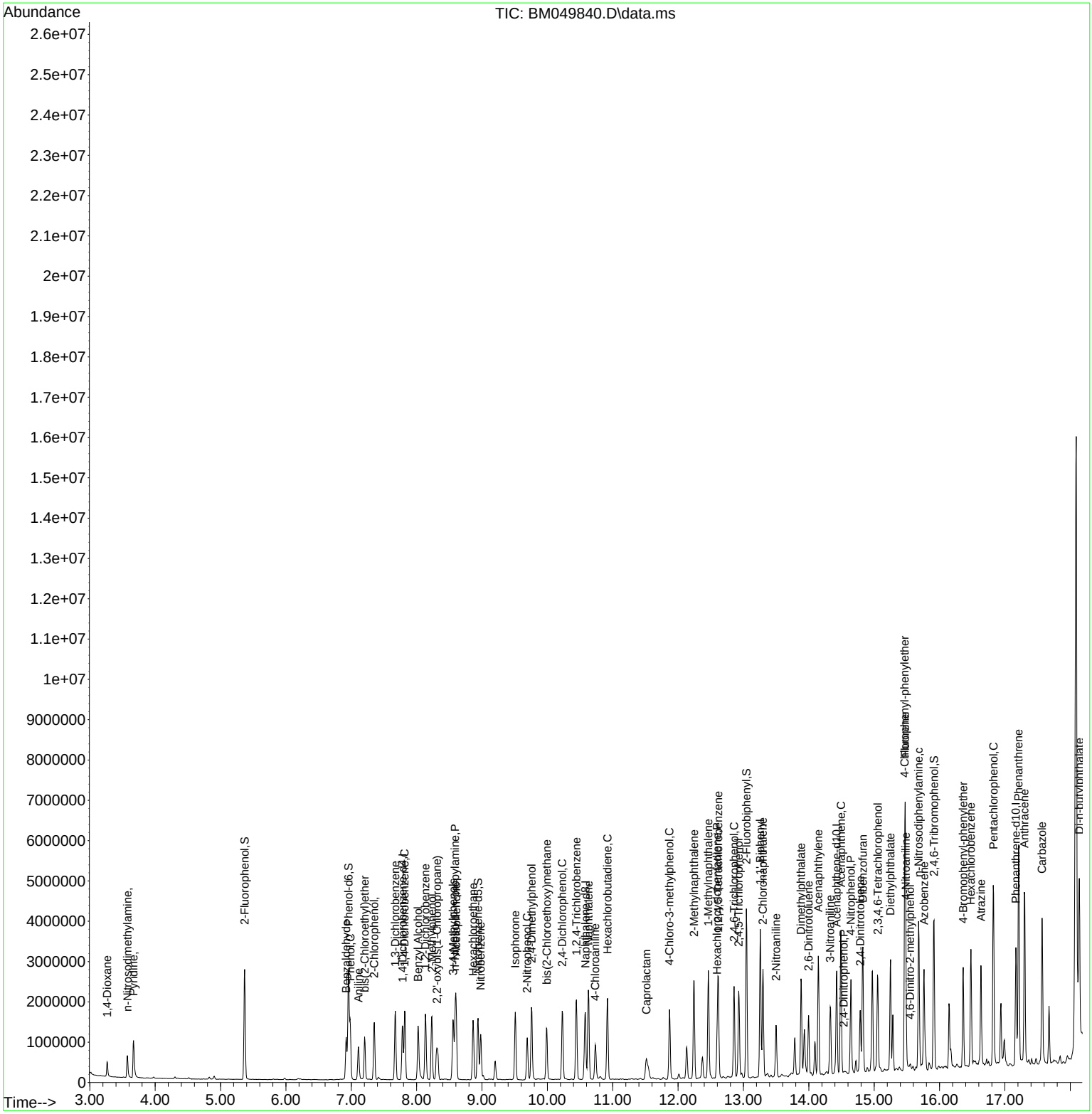
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.257	154	1728179	25.244	ng		99
47) 2-Chloronaphthalene	13.298	162	1361107	25.544	ng		99
48) 2-Nitroaniline	13.498	65	322997	27.002	ng		90
49) Acenaphthylene	14.145	152	2086203	28.010	ng		99
50) Dimethylphthalate	13.880	163	1592660	26.043	ng		100
51) 2,6-Dinitrotoluene	13.998	165	336940	27.497	ng	#	86
52) Acenaphthene	14.492	154	1288995	26.384	ng		99
53) 3-Nitroaniline	14.327	138	289665	24.841	ng		92
54) 2,4-Dinitrophenol	14.533	184	11567	5.415	ng		95
55) Dibenzofuran	14.827	168	2094904	25.733	ng		98
56) 4-Nitrophenol	14.645	139	645977	63.643	ng		89
57) 2,4-Dinitrotoluene	14.786	165	452917	28.724	ng		92
58) Fluorene	15.474	166	1780330	26.860	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.057	232	535877	32.104	ng		99
60) Diethylphthalate	15.251	149	1509646	26.210	ng		97
61) 4-Chlorophenyl-phenyle...	15.468	204	866175	23.932	ng		95
62) 4-Nitroaniline	15.486	138	344075	26.616	ng		91
63) Azobenzene	15.763	77	1370571	24.912	ng		93
65) 4,6-Dinitro-2-methylph...	15.551	198	32208	7.036	ng		82
66) n-Nitrosodiphenylamine	15.680	169	1397700	26.879	ng		98
67) 4-Bromophenyl-phenylether	16.362	248	519400	26.212	ng		98
68) Hexachlorobenzene	16.480	284	593045	26.614	ng		98
69) Atrazine	16.633	200	483864	42.222	ng		99
70) Pentachlorophenol	16.827	266	873322	62.366	ng		98
71) Phenanthrene	17.209	178	3346295	35.113	ng		100
72) Anthracene	17.298	178	2740257	29.690	ng		99
73) Carbazole	17.568	167	2370604	28.362	ng		100
74) Di-n-butylphthalate	18.139	149	2609863	28.488	ng		99
75) Fluoranthene	19.227	202	3769266	34.354	ng		100
77) Benzidine	19.409	184	364922	17.938	ng	#	75
78) Pyrene	19.592	202	3702863	31.299	ng		100
80) Butylbenzylphthalate	20.492	149	1174213	31.982	ng		95
81) Benzo(a)anthracene	21.392	228	3352891	29.644	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	602033	16.349	ng		99
83) Chrysene	21.450	228	3024622	28.211	ng		99
84) Bis(2-ethylhexyl)phtha...	21.315	149	1737937	30.373	ng		98
85) Di-n-octyl phthalate	22.450	149	2983839	33.551	ng	#	96
87) Indeno(1,2,3-cd)pyrene	27.809	276	3814615	28.095	ng		99
88) Benzo(b)fluoranthene	23.462	252	3377304	26.581	ng		98
89) Benzo(k)fluoranthene	23.527	252	3109134	24.868	ng		98
90) Benzo(a)pyrene	24.274	252	3159107	29.601	ng		99
91) Dibenzo(a,h)anthracene	27.868	278	2987633	26.410	ng		100
92) Benzo(g,h,i)perylene	28.868	276	3065814	26.906	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

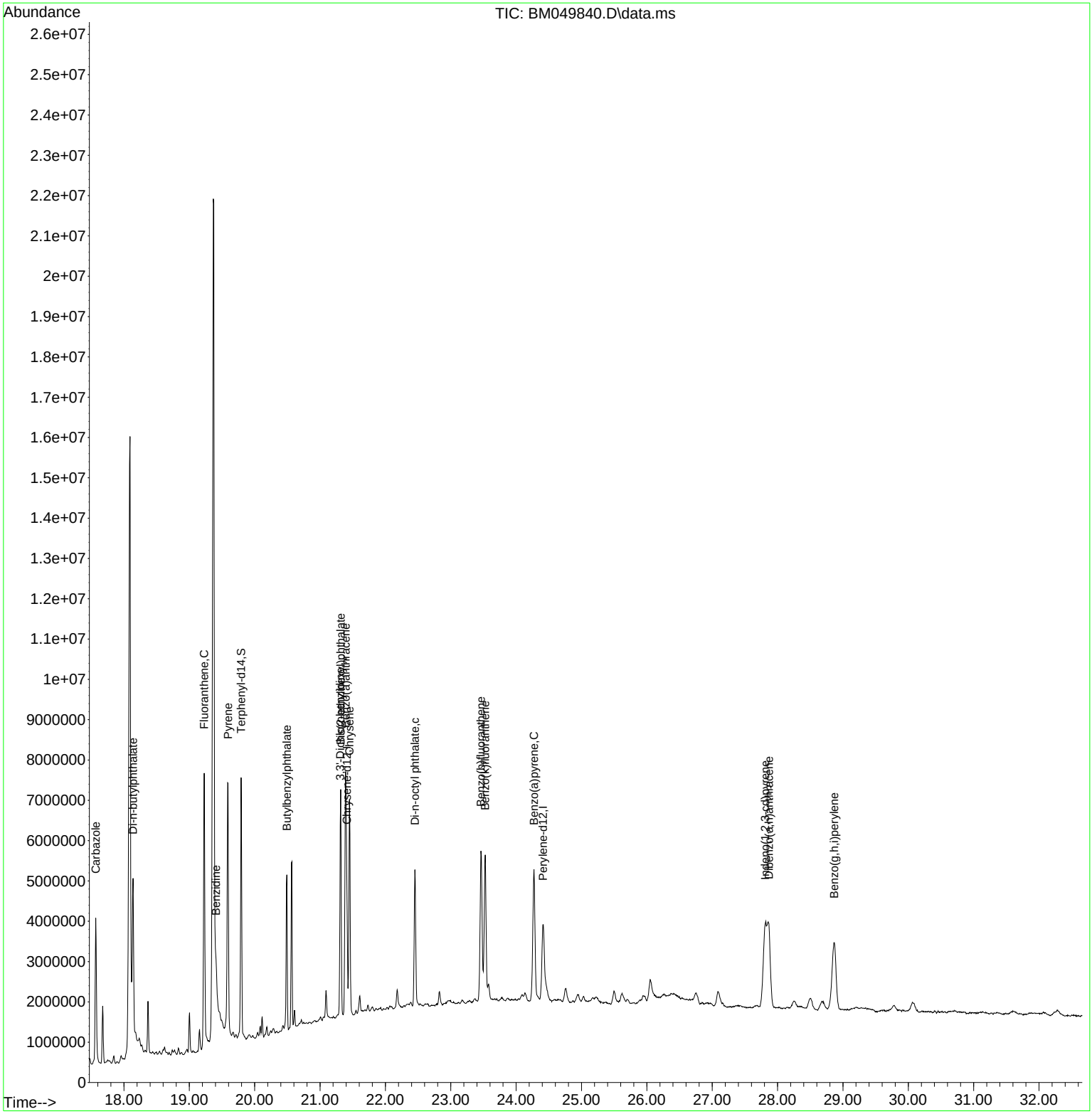
Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

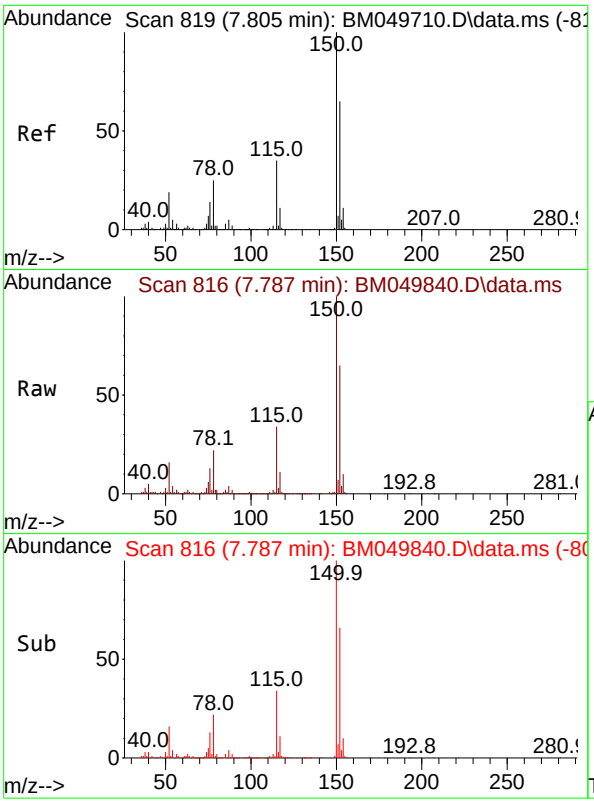


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049840.D
Acq On : 07 Apr 2025 15:22
Operator : RC/JU
Sample : Q1721-02MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Quant Time: Apr 07 16:21:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



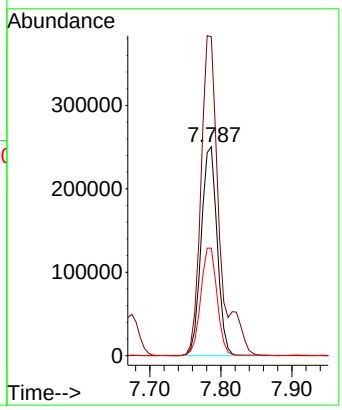


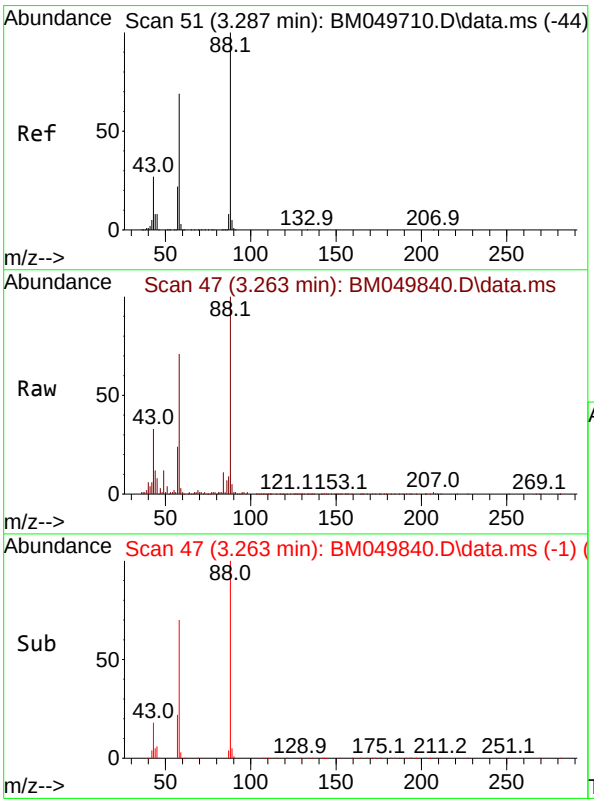
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:152 Resp: 392804

Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.8
115	51.5	43.0	64.6

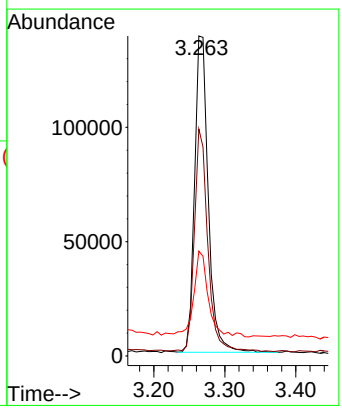


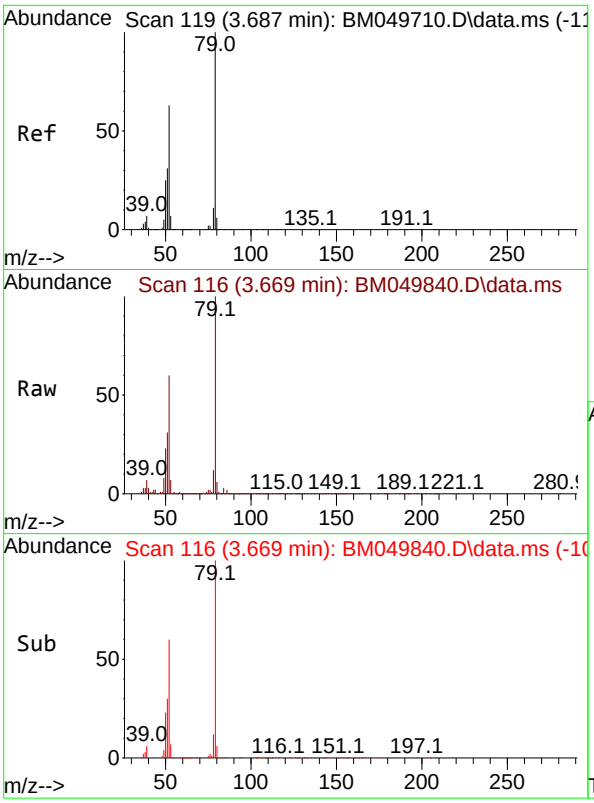


#2
1,4-Dioxane
Concen: 18.393 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion: 88 Resp: 185355

Ion	Ratio	Lower	Upper
88	100		
58	69.1	56.7	85.1
43	29.3	22.6	34.0



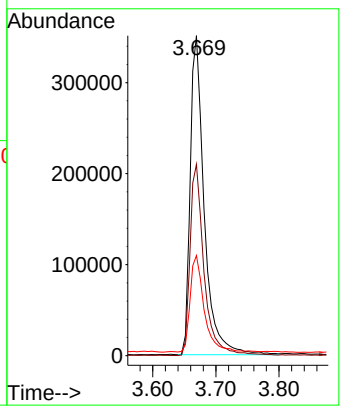


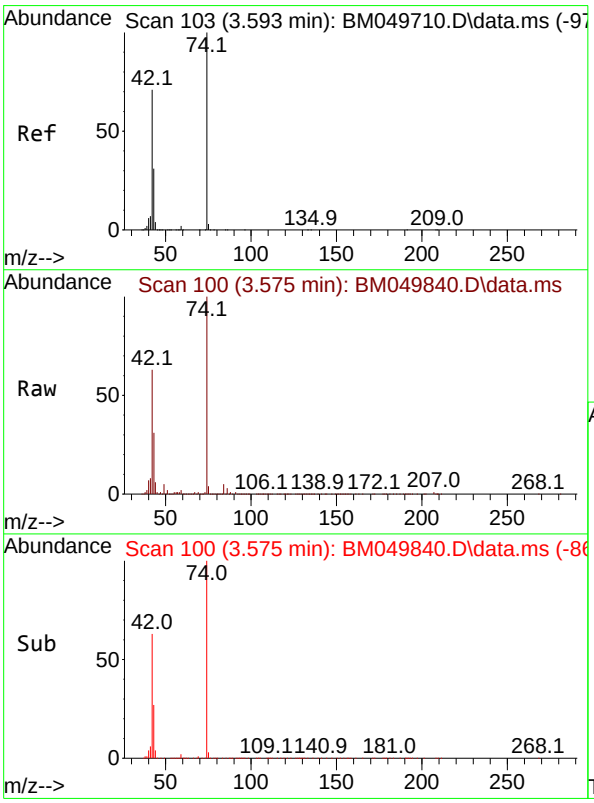
#3
Pyridine
Concen: 20.960 ng
RT: 3.669 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 79 Resp: 539454

Ion	Ratio	Lower	Upper
79	100		
52	59.8	50.1	75.1
51	31.3	25.2	37.8

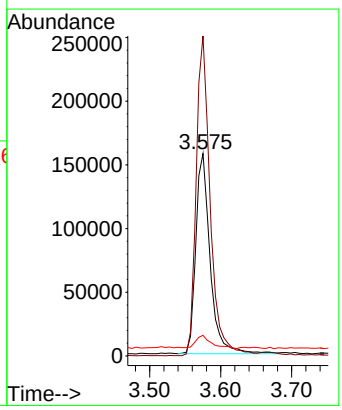


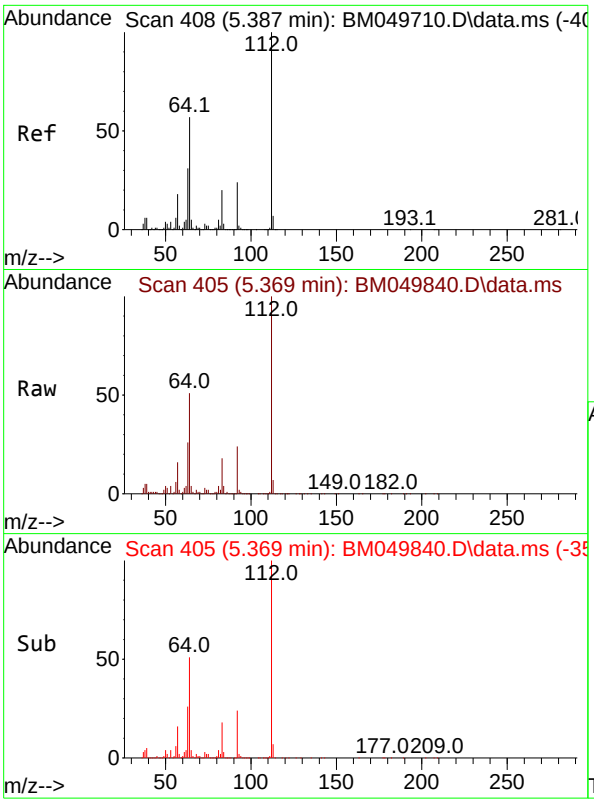


#4
n-Nitrosodimethylamine
Concen: 19.392 ng
RT: 3.575 min Scan# 100
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion: 42 Resp: 220833

Ion	Ratio	Lower	Upper
42	100		
74	158.1	112.6	168.8
44	10.2	5.0	7.6#



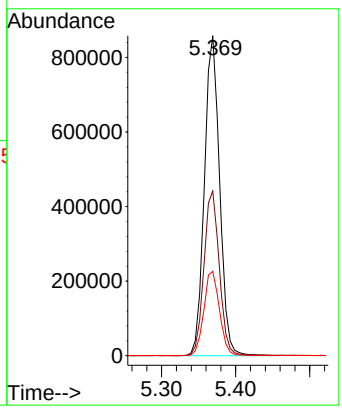


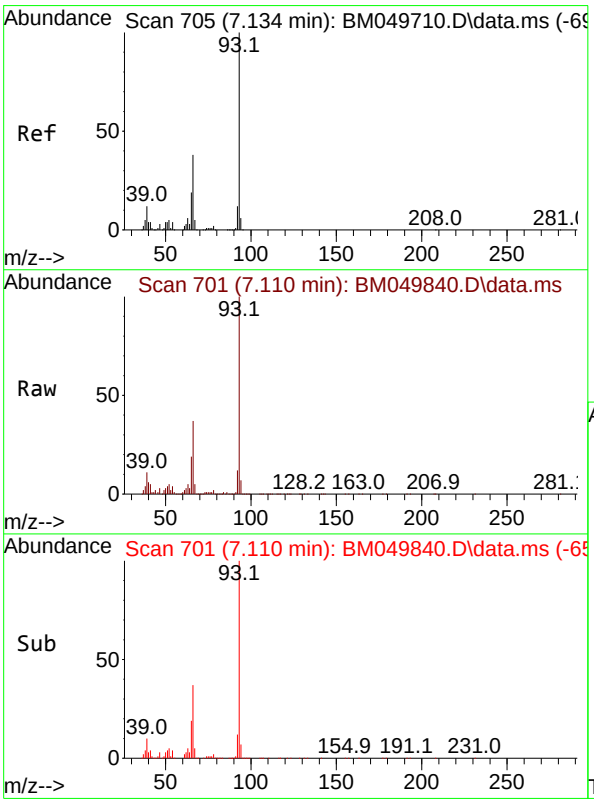
#5
2-Fluorophenol
Concen: 52.631 ng
RT: 5.369 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:112 Resp: 1225224

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.4	24.4	36.6

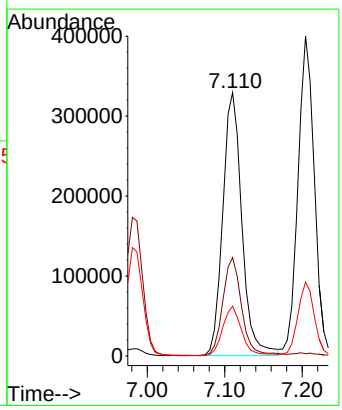


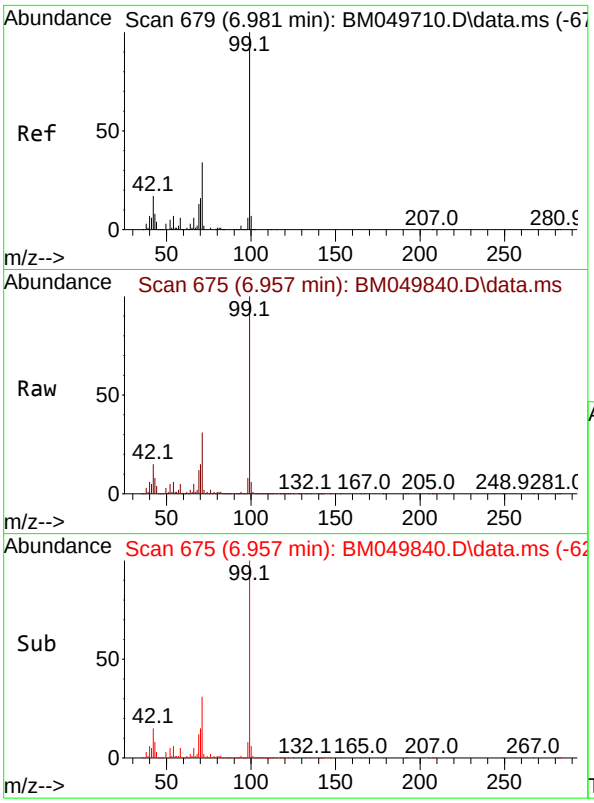


#6
Aniline
Concen: 23.089 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion: 93 Resp: 565121

Ion	Ratio	Lower	Upper
93	100		
66	37.4	30.6	46.0
65	18.9	15.4	23.2



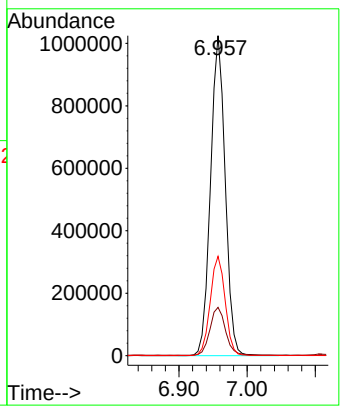


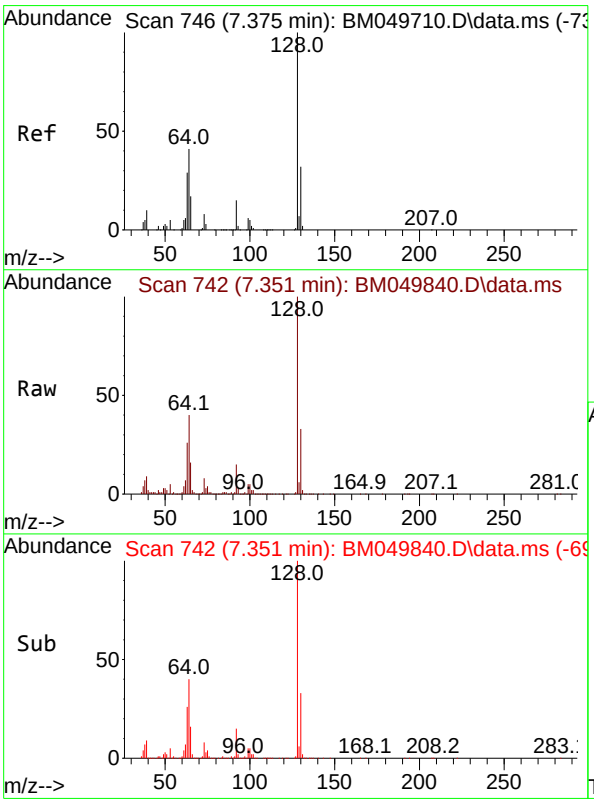
#7
Phenol-d6
Concen: 52.552 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 99 Resp: 1535286

Ion	Ratio	Lower	Upper
99	100		
42	15.1	13.6	20.4
71	31.0	27.0	40.6

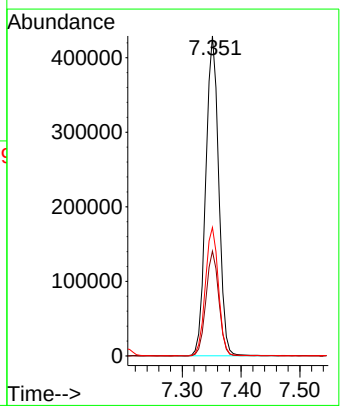


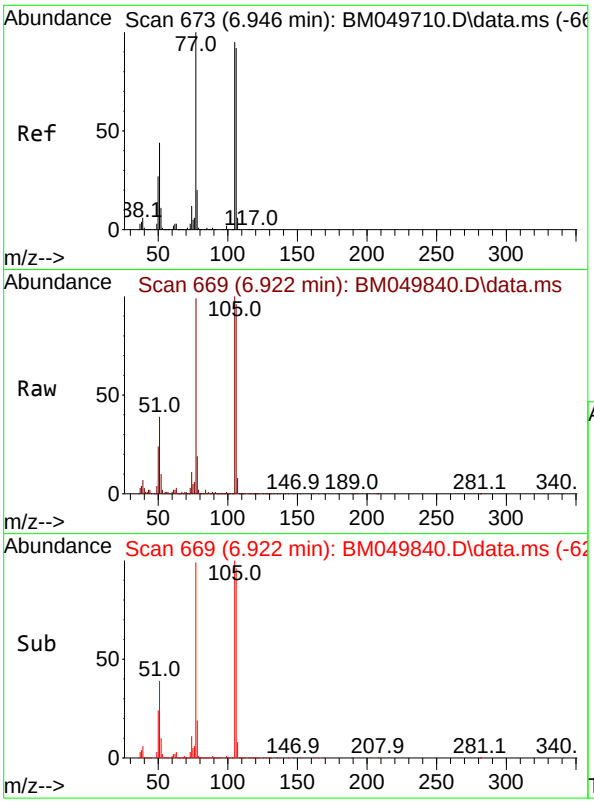


#8
2-Chlorophenol
Concen: 28.389 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:128 Resp: 654462

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	40.1	24.9	64.9



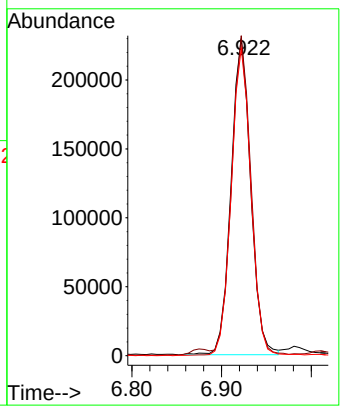


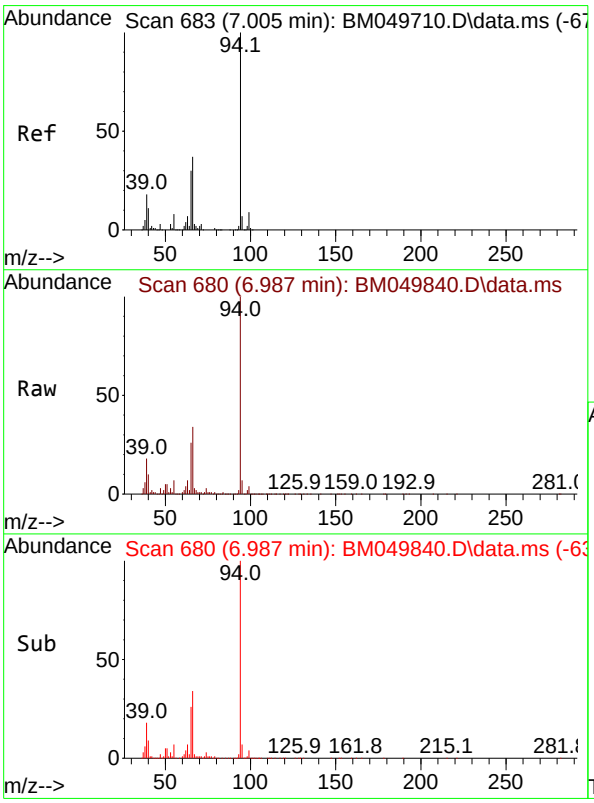
#9
Benzaldehyde
Concen: 24.123 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 77 Resp: 348406

Ion	Ratio	Lower	Upper
77	100		
105	100.8	75.0	115.0
106	96.9	72.3	112.3

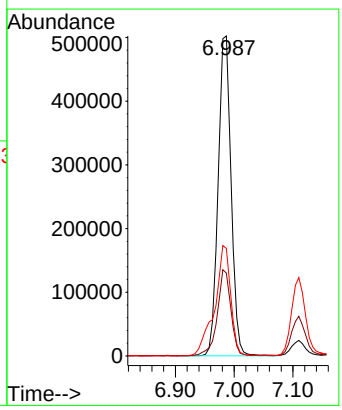


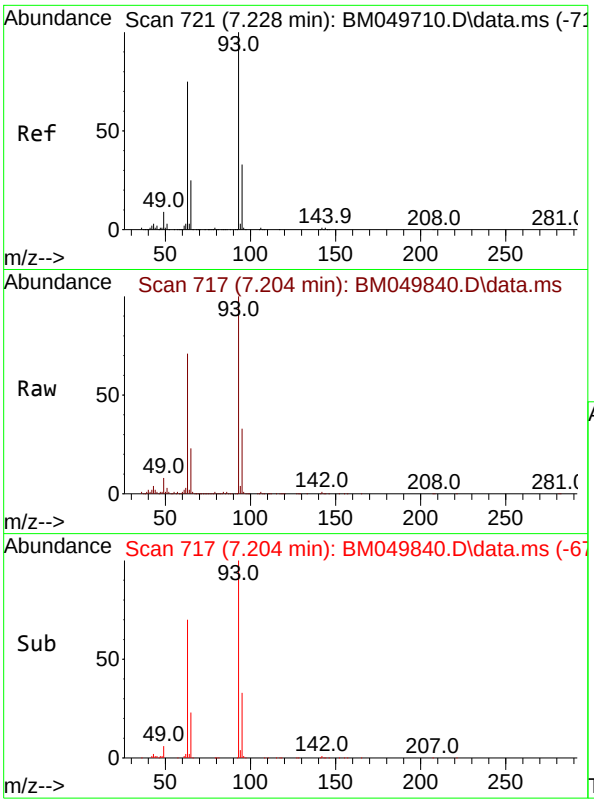


#10
Phenol
Concen: 27.247 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion: 94 Resp: 771862

Ion	Ratio	Lower	Upper
94	100		
65	25.9	10.4	50.4
66	33.6	17.1	57.1



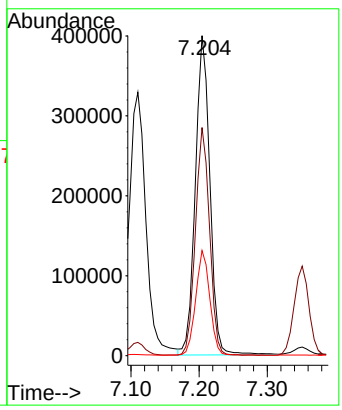


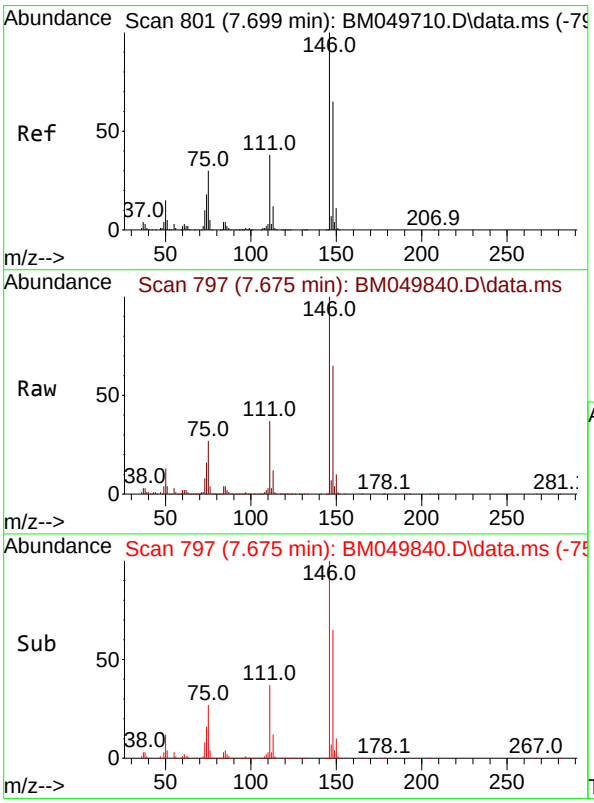
#11
bis(2-Chloroethyl)ether
Concen: 25.827 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 93 Resp: 592450

Ion	Ratio	Lower	Upper
93	100		
63	71.3	54.8	94.8
95	32.9	12.8	52.8

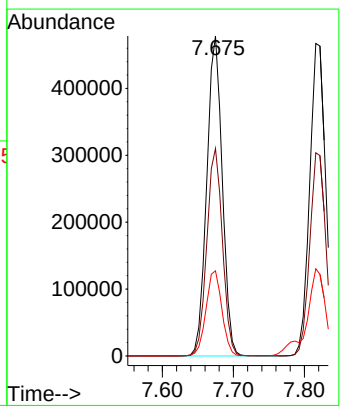


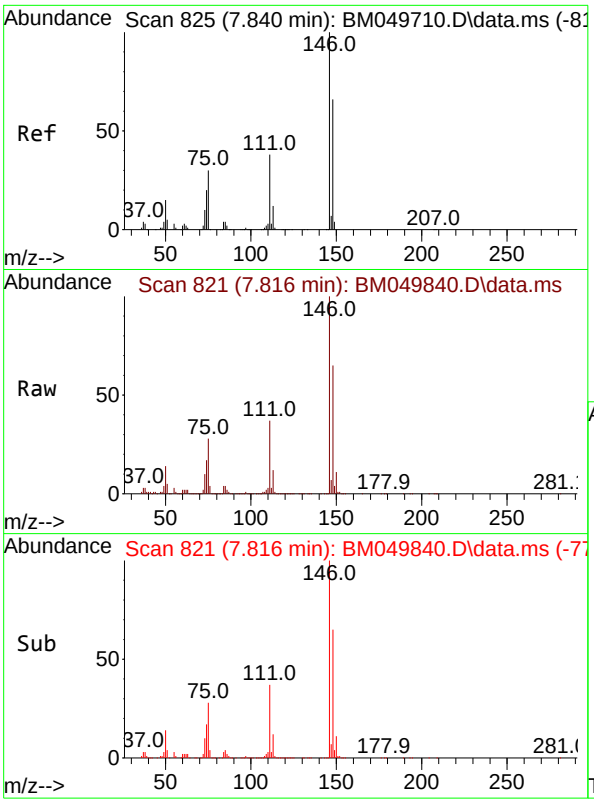


#12
1,3-Dichlorobenzene
Concen: 25.941 ng
RT: 7.675 min Scan# 797
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:146 Resp: 726775

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.3	78.5
75	26.6	24.2	36.2



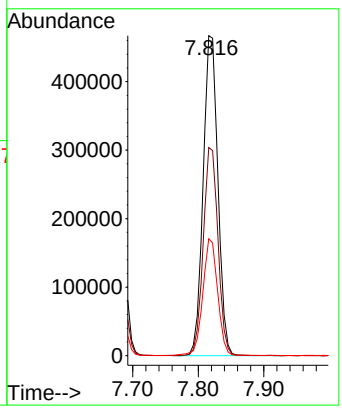


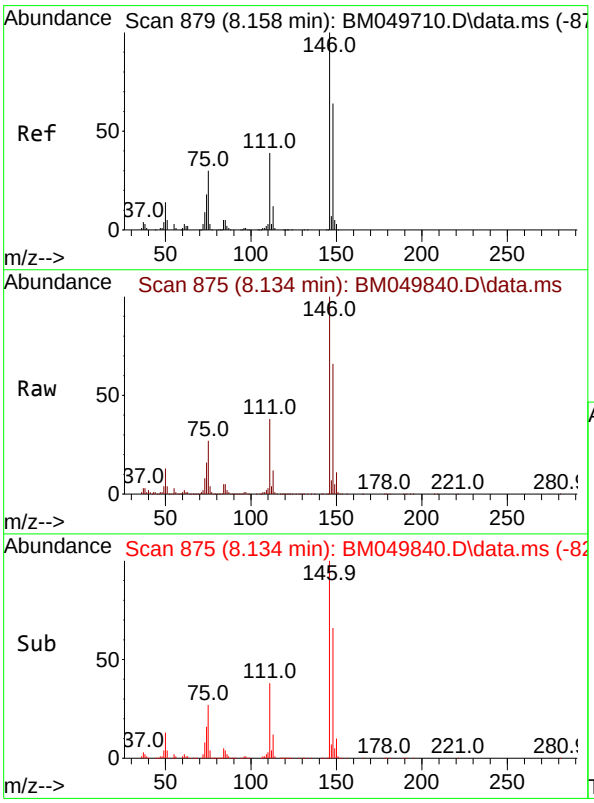
#13
1,4-Dichlorobenzene
Concen: 25.887 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:146 Resp: 731656

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.6	79.0
111	36.6	30.8	46.2

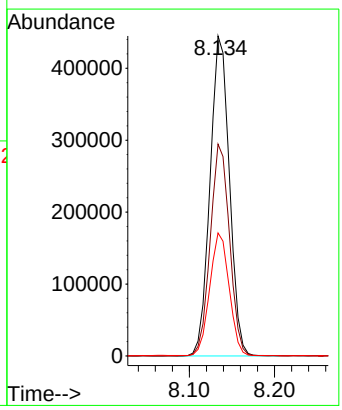


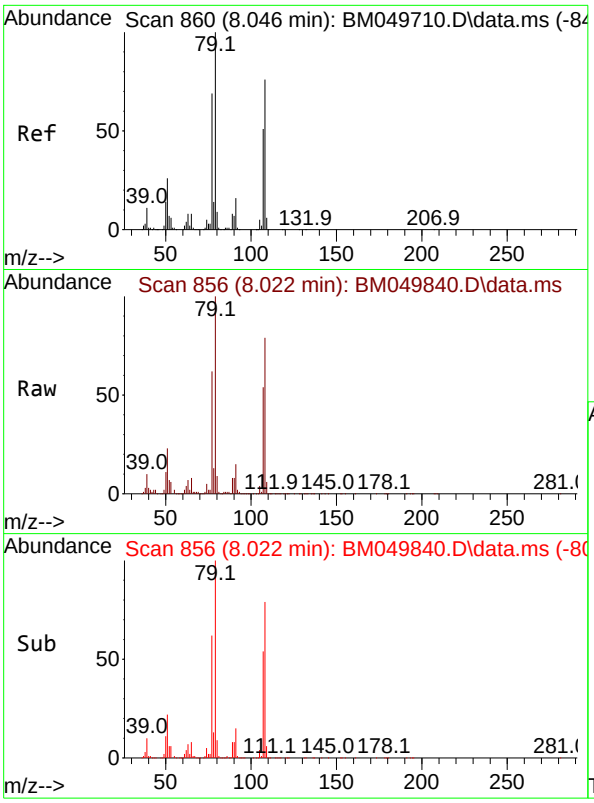


#14
1,2-Dichlorobenzene
Concen: 26.203 ng
RT: 8.134 min Scan# 875
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:146 Resp: 703837

Ion	Ratio	Lower	Upper
146	100		
148	66.2	50.9	76.3
111	38.5	31.0	46.6



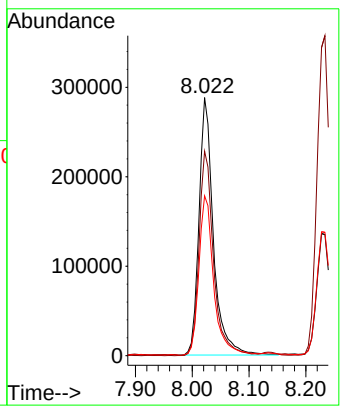


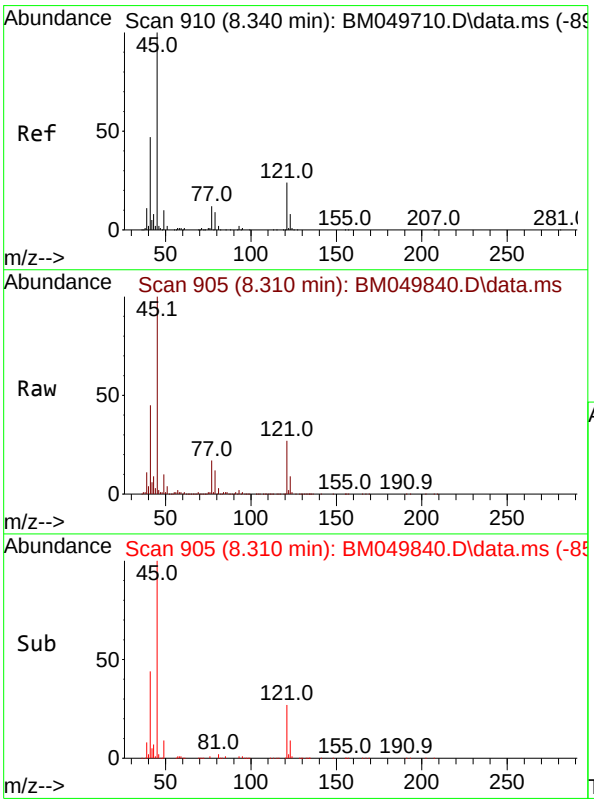
#15
Benzyl Alcohol
Concen: 27.636 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 79 Resp: 506673

Ion	Ratio	Lower	Upper
79	100		
108	79.2	60.7	91.1
77	61.9	55.4	83.2

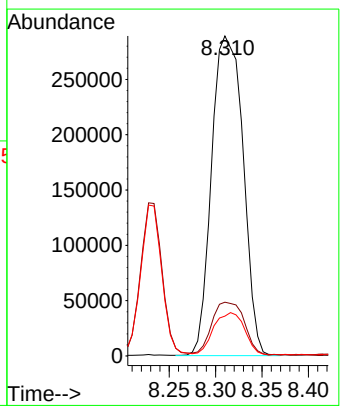


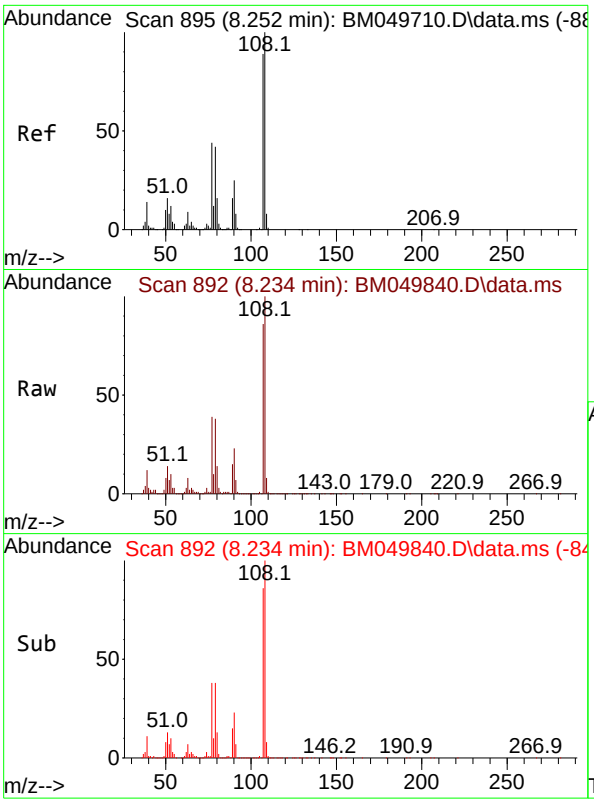


#16
2,2'-oxybis(1-Chloropropane)
Concen: 25.285 ng m
RT: 8.310 min Scan# 905
Delta R.T. -0.030 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion: 45 Resp: 681728

Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	36.1
79	12.5	0.0	32.8



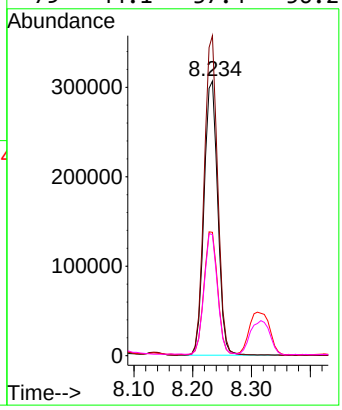


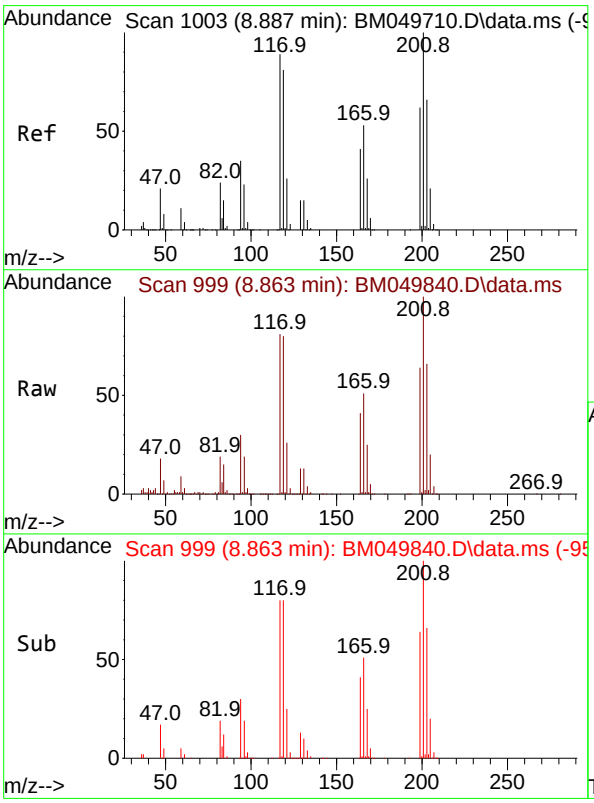
#17
2-Methylphenol
Concen: 29.421 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:107 Resp: 494812

Ion	Ratio	Lower	Upper
107	100		
108	116.5	89.6	134.4
77	44.9	39.8	59.6
79	44.1	37.4	56.2

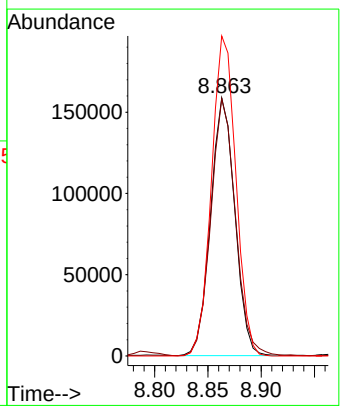


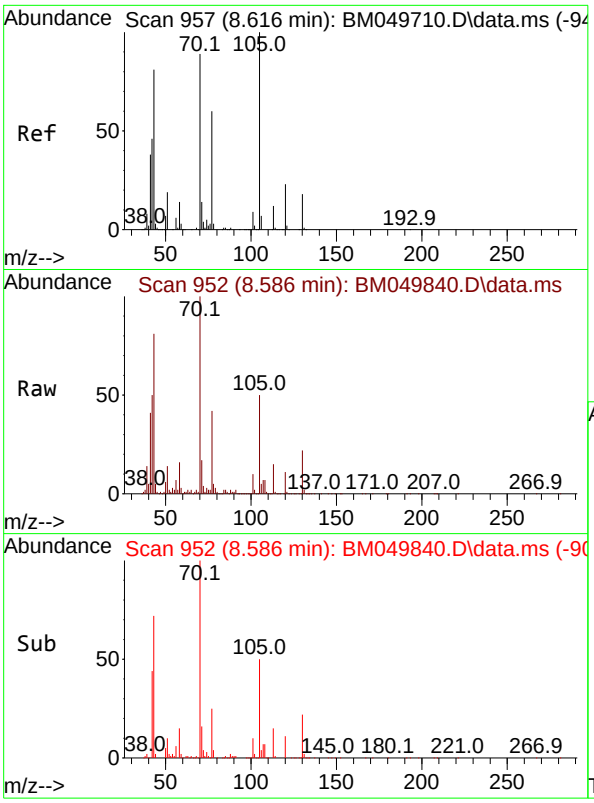


#18
Hexachloroethane
Concen: 25.183 ng
RT: 8.863 min Scan# 999
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:117 Resp: 251351

Ion	Ratio	Lower	Upper
117	100		
119	99.6	73.1	109.7
201	124.0	90.0	135.0



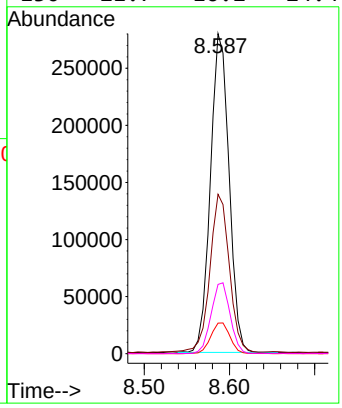


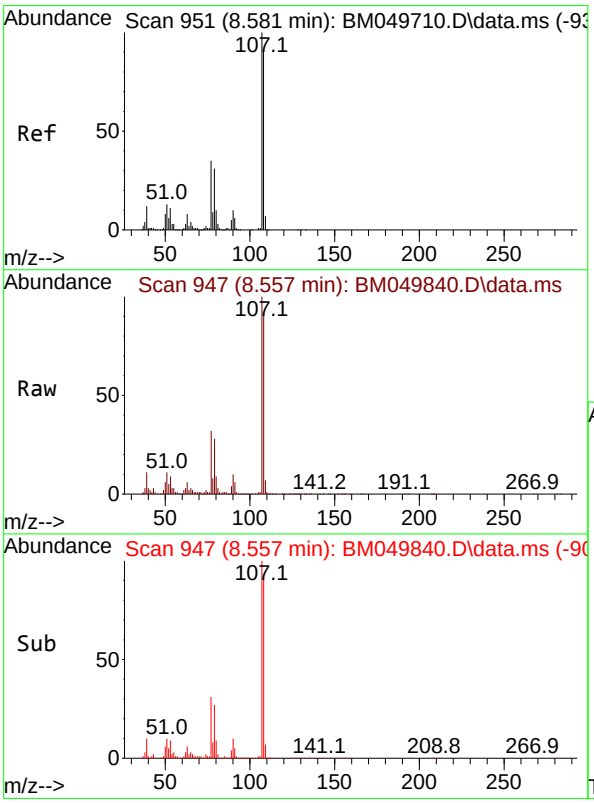
#19
n-Nitroso-di-n-propylamine
Concen: 25.008 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.030 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 70 Resp: 423645

Ion	Ratio	Lower	Upper
70	100		
42	49.8	41.8	62.6
101	9.6	7.7	11.5
130	21.7	16.2	24.4

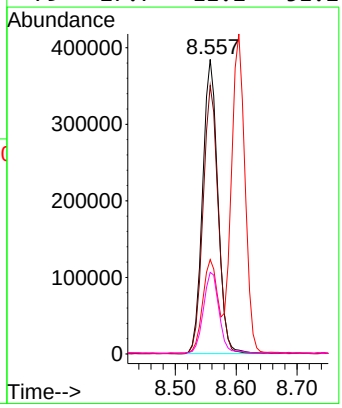


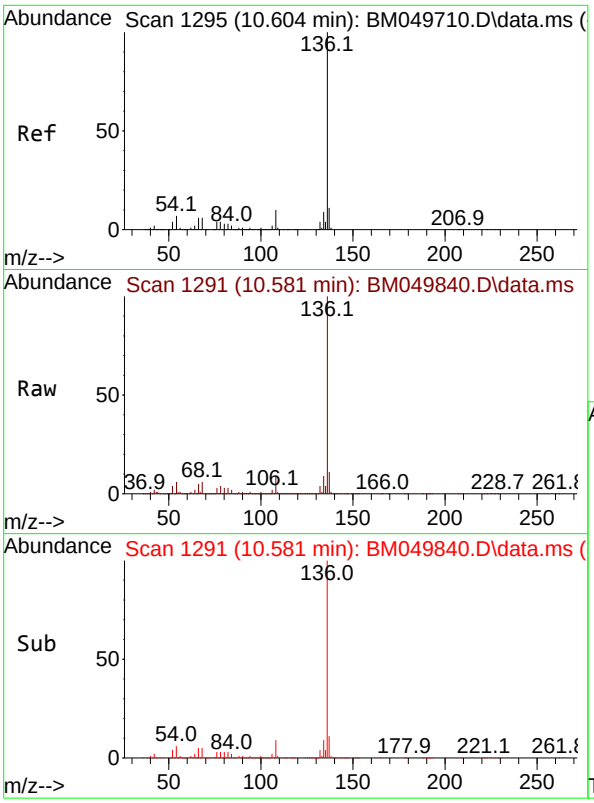


#20
3+4-Methylphenols
Concen: 29.829 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:107 Resp: 672290

Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.0	111.0
77	32.0	15.1	55.1
79	27.7	11.2	51.2



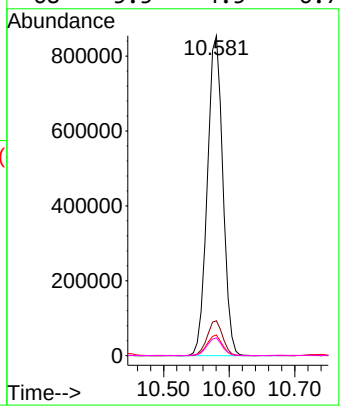


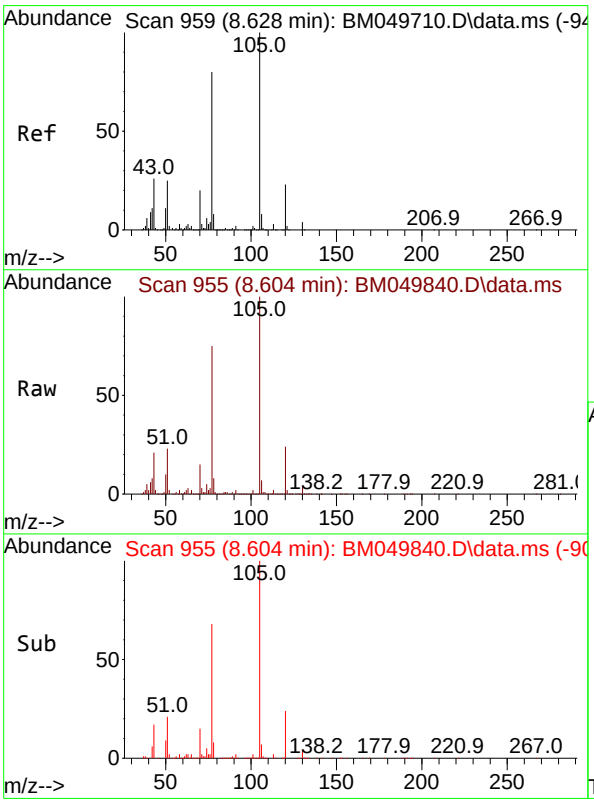
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:136 Resp: 1404251

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.5	5.8	8.8
68	5.5	4.5	6.7

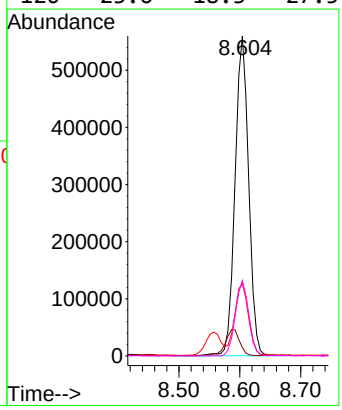


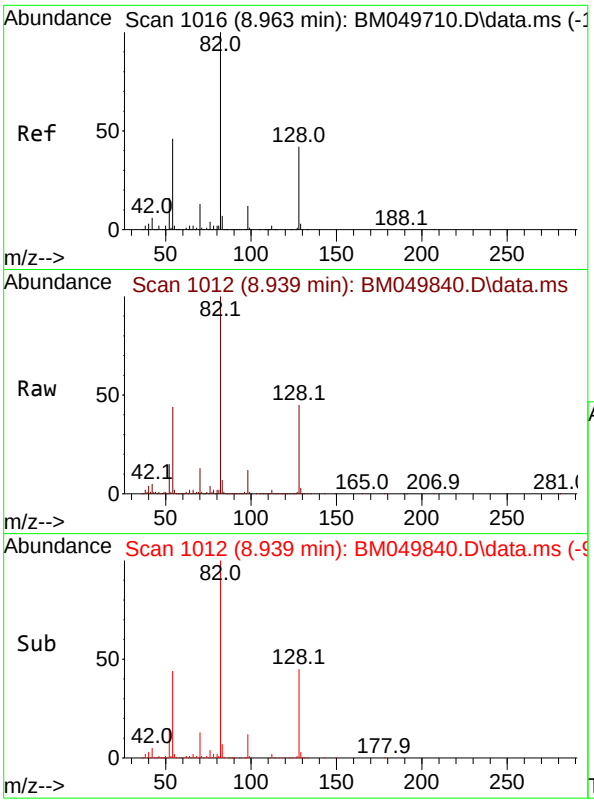


#22
Acetophenone
Concen: 24.015 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:105 Resp: 869534

Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.5	3.7
51	22.5	19.9	29.9
120	23.6	18.3	27.5



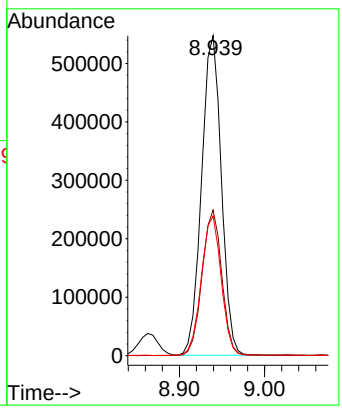


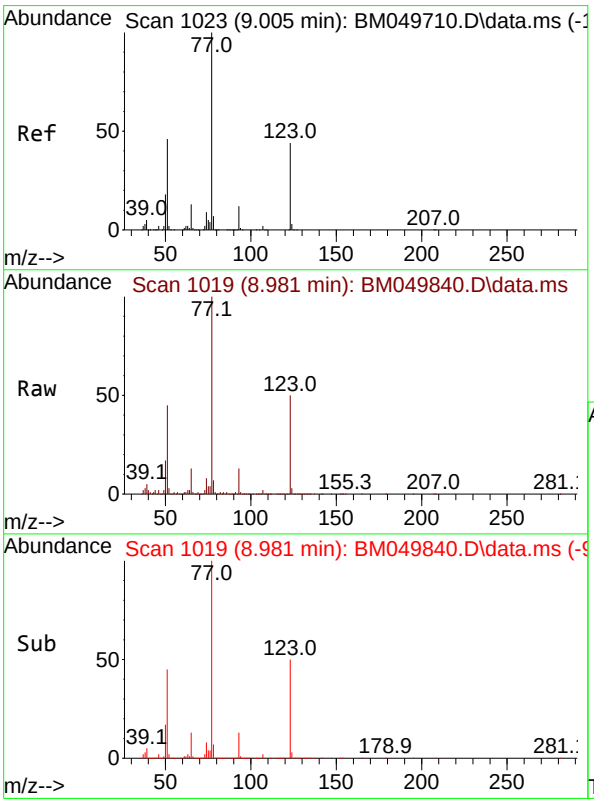
#23
Nitrobenzene-d5
Concen: 32.206 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 82 Resp: 880861

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.4	50.0
54	43.7	36.4	54.6

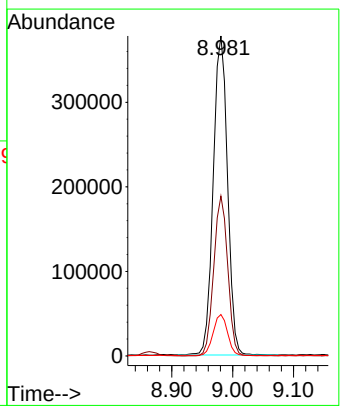


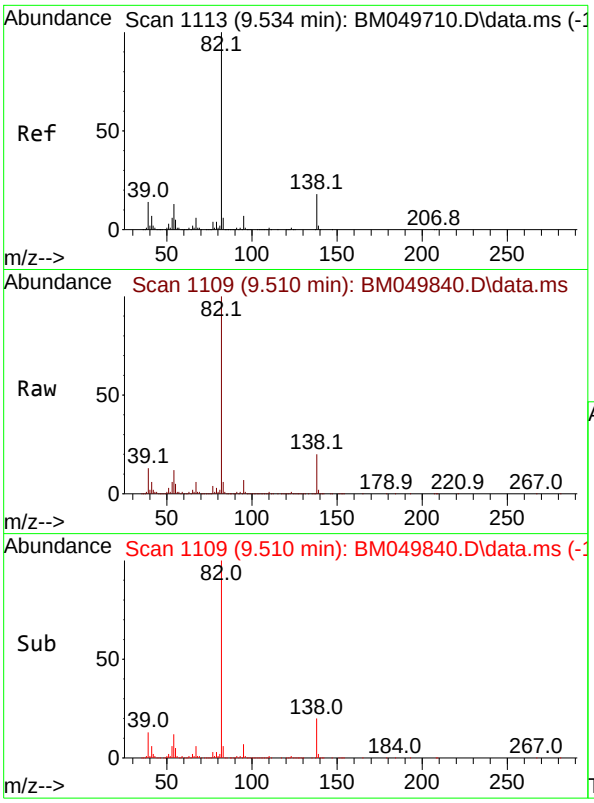


#24
Nitrobenzene
Concen: 23.786 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion: 77 Resp: 613433

Ion	Ratio	Lower	Upper
77	100		
123	49.9	34.9	52.3
65	13.0	10.6	15.8



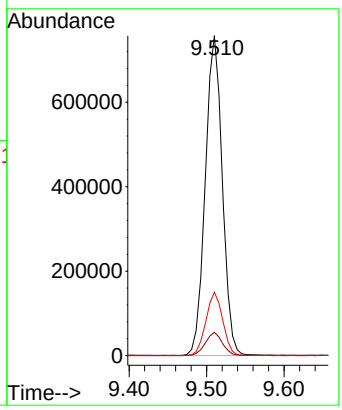


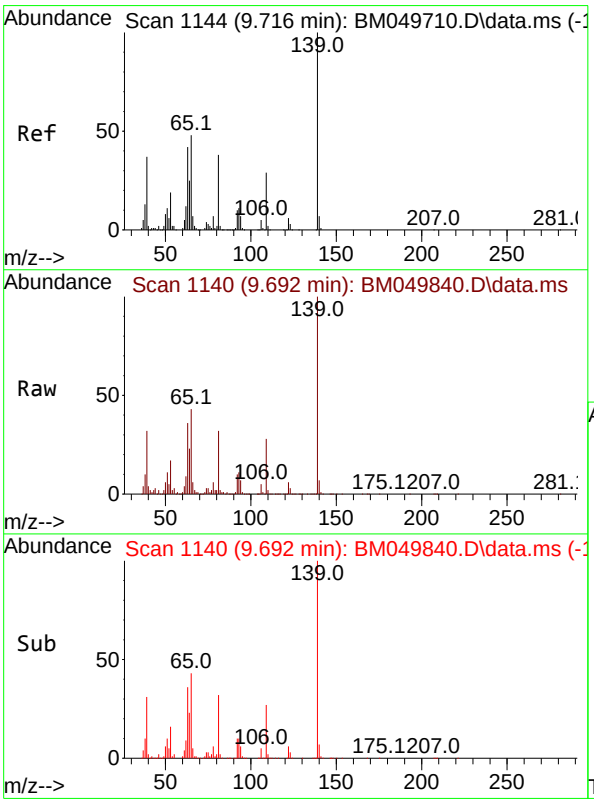
#25
Isophorone
Concen: 27.501 ng
RT: 9.510 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 82 Resp: 1154874

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.3	7.9
138	19.8	14.4	21.6

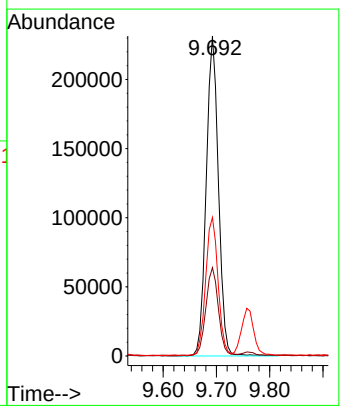


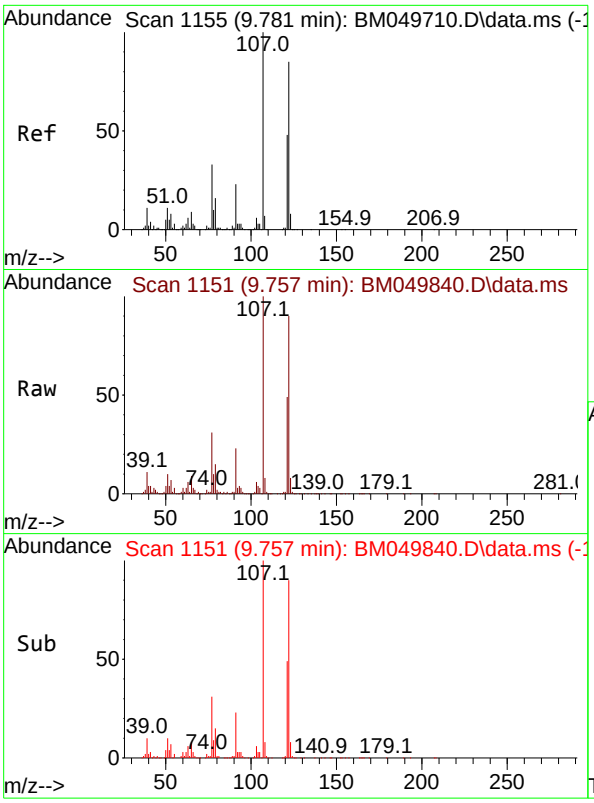


#26
2-Nitrophenol
Concen: 33.474 ng
RT: 9.692 min Scan# 1140
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:139 Resp: 367434

Ion	Ratio	Lower	Upper
139	100		
109	27.6	23.3	34.9
65	43.3	38.6	58.0



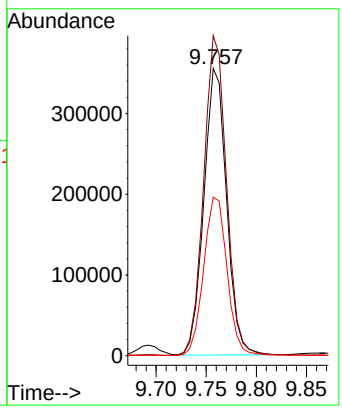


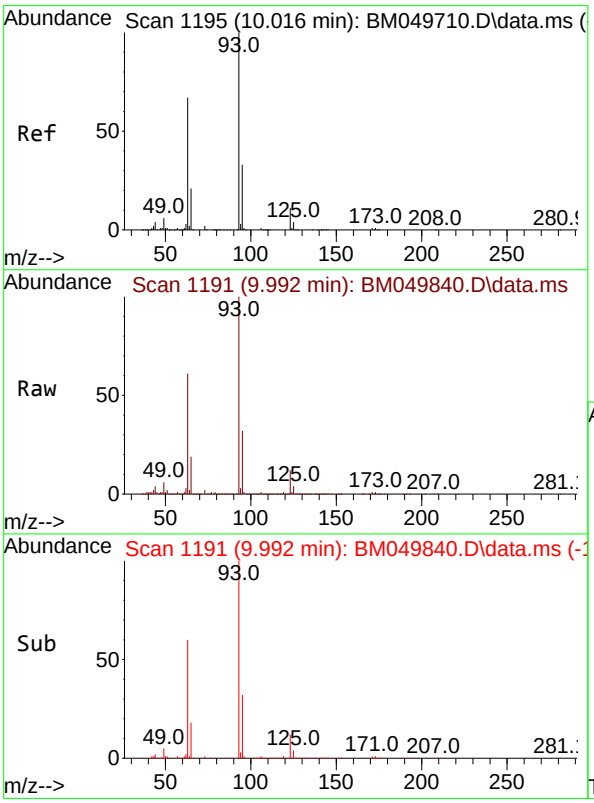
#27
2,4-Dimethylphenol
Concen: 40.134 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:122 Resp: 560761

Ion	Ratio	Lower	Upper
122	100		
107	111.4	94.3	141.5
121	55.2	45.4	68.2

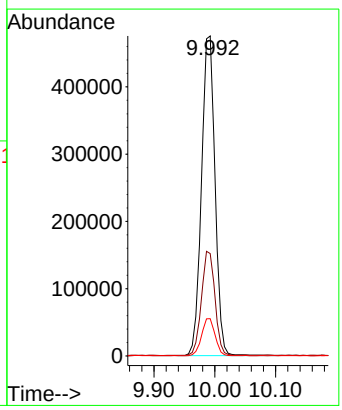


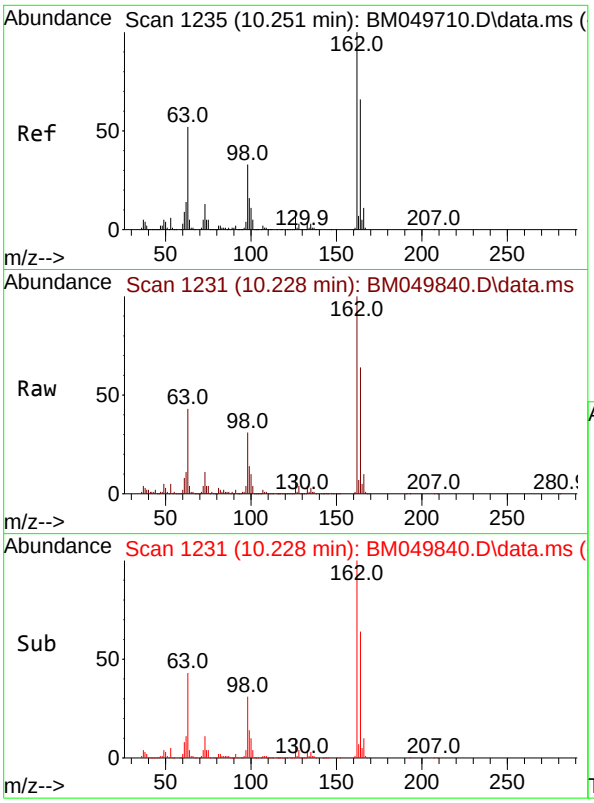


#28
bis(2-Chloroethoxy)methane
Concen: 24.867 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion: 93 Resp: 735485

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.6	40.0
123	11.7	9.0	13.6



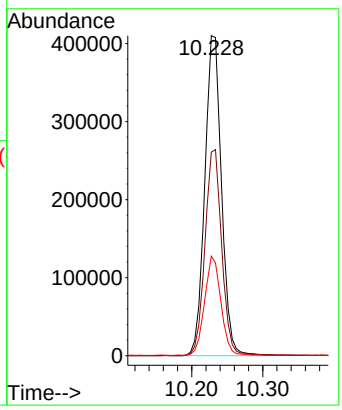


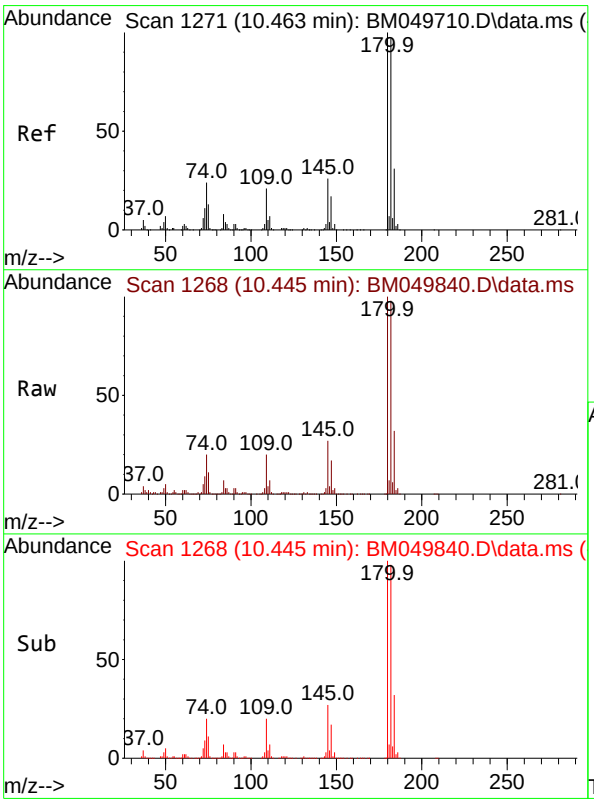
#29
2,4-Dichlorophenol
Concen: 29.580 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:162 Resp: 673450

Ion	Ratio	Lower	Upper
162	100		
164	63.6	46.3	86.3
98	31.1	12.8	52.8

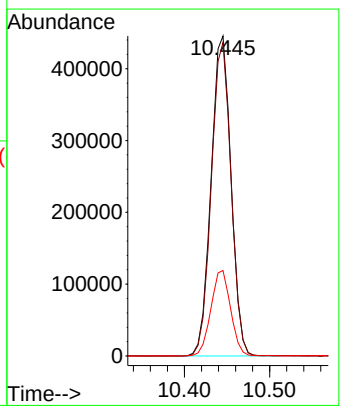


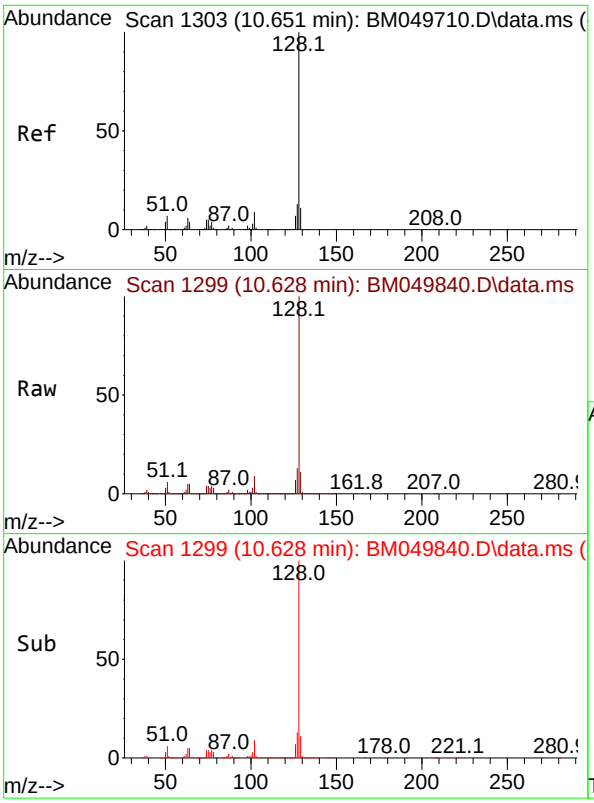


#30
1,2,4-Trichlorobenzene
Concen: 25.477 ng
RT: 10.445 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:180 Resp: 725722

Ion	Ratio	Lower	Upper
180	100		
182	98.0	77.7	116.5
145	26.7	21.0	31.4



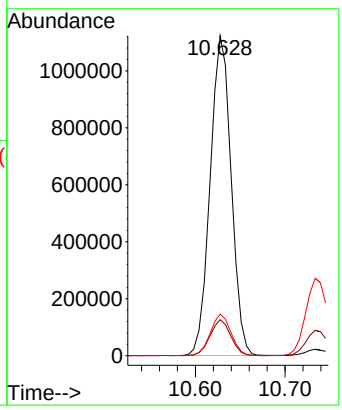


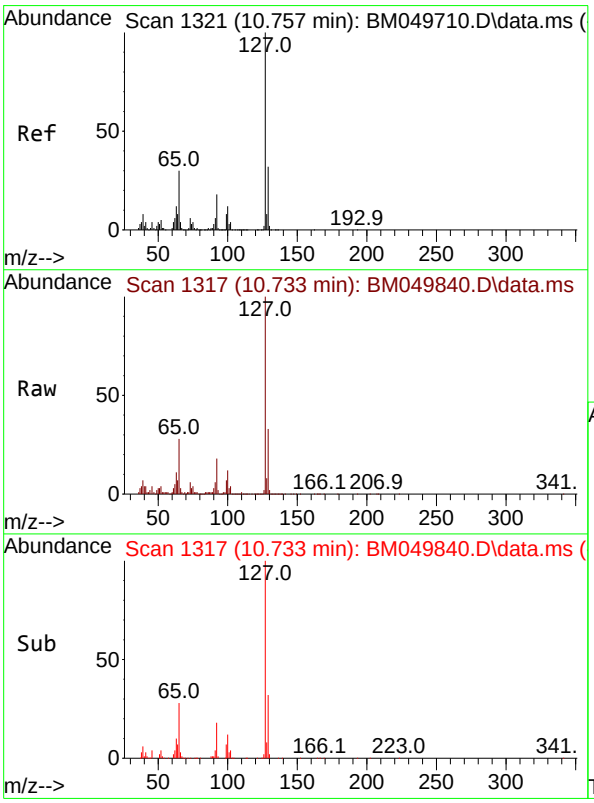
#31
Naphthalene
Concen: 25.265 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:128 Resp: 1824307

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.0	10.4	15.6

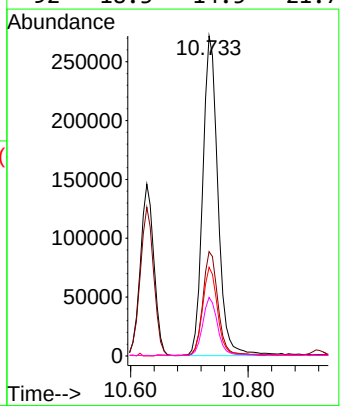


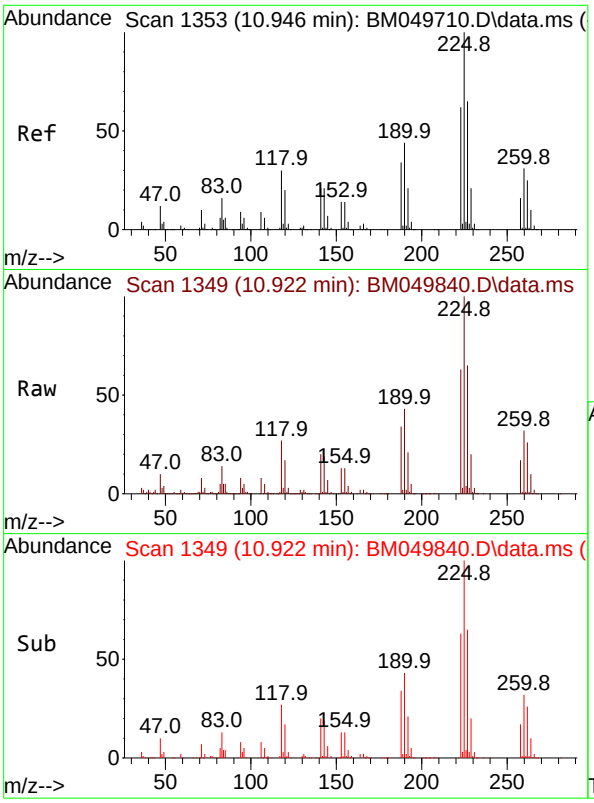


#33
4-Chloroaniline
Concen: 19.796 ng
RT: 10.733 min Scan# 1317
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:127 Resp: 487832

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	27.7	24.1	36.1
92	18.3	14.5	21.7



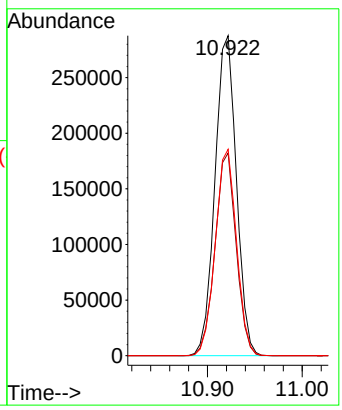


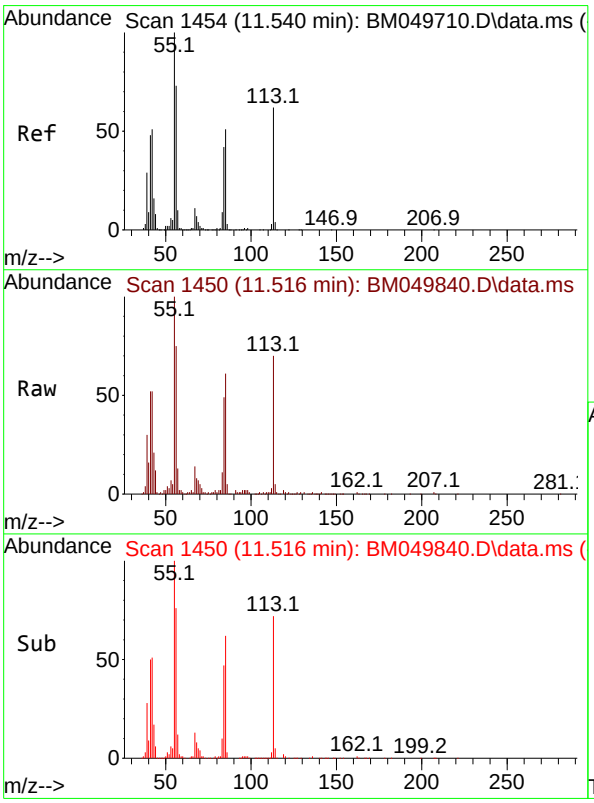
#34
Hexachlorobutadiene
Concen: 25.741 ng
RT: 10.922 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:225 Resp: 452652

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.8
227	64.5	52.1	78.1

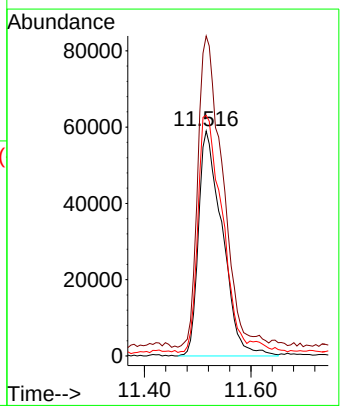


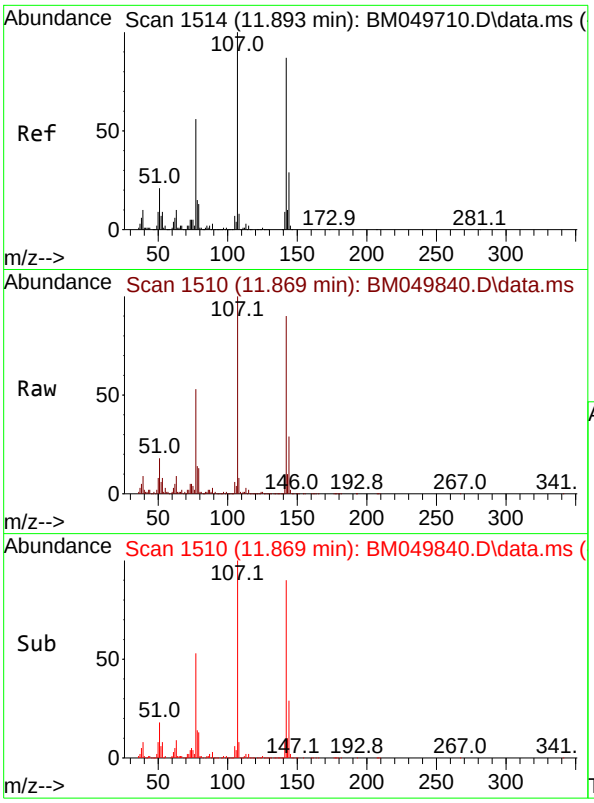


#35
Caprolactam
Concen: 34.599 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:113 Resp: 182886

Ion	Ratio	Lower	Upper
113	100		
55	142.2	141.8	181.8
56	107.0	98.0	138.0



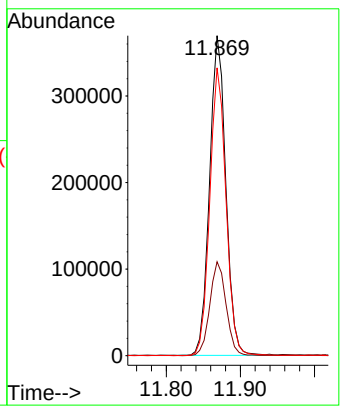


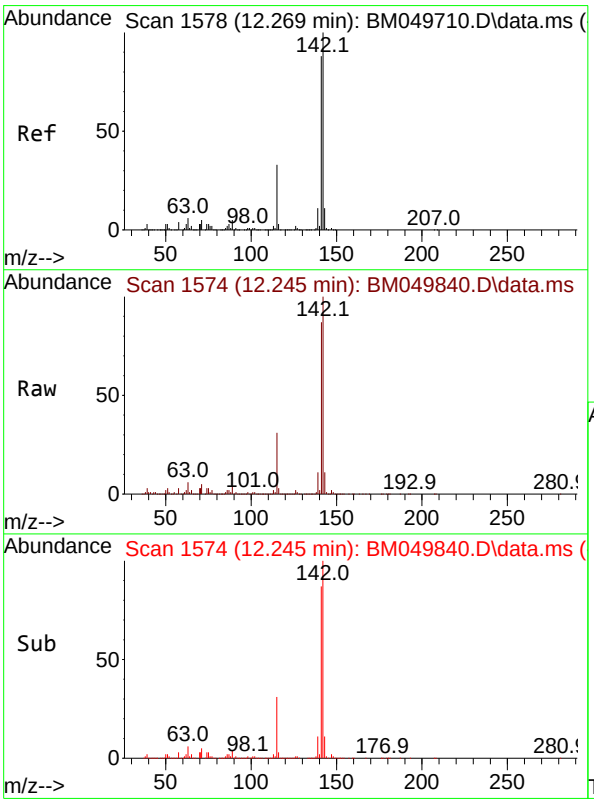
#36
4-Chloro-3-methylphenol
Concen: 28.841 ng
RT: 11.869 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:107 Resp: 563512

Ion	Ratio	Lower	Upper
107	100		
144	29.3	23.0	34.6
142	90.0	69.8	104.8

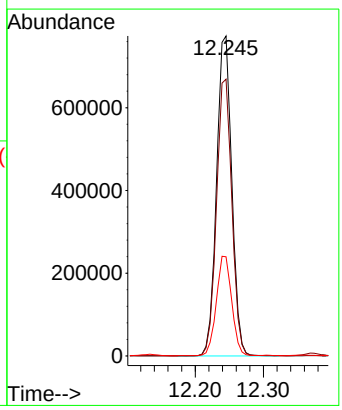


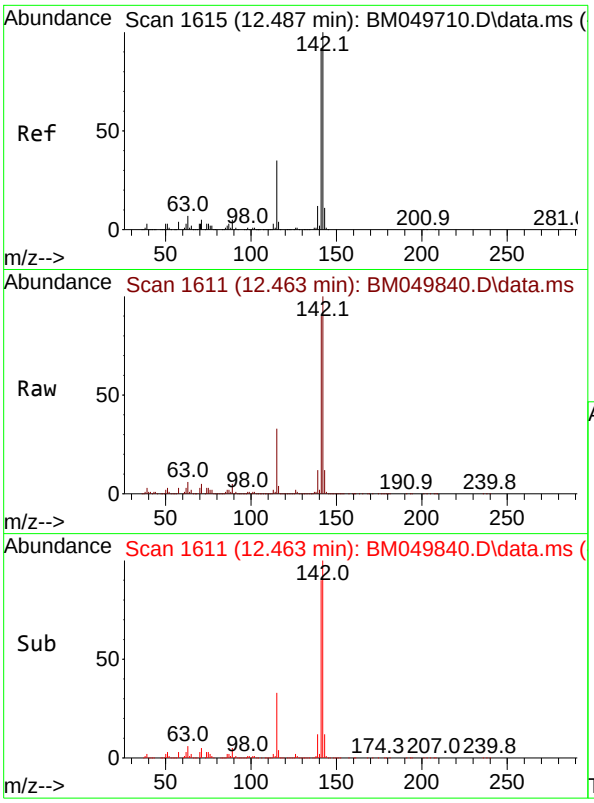


#37
2-Methylnaphthalene
Concen: 23.773 ng
RT: 12.245 min Scan# 1574
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:142 Resp: 1200338

Ion	Ratio	Lower	Upper
142	100		
141	86.5	70.5	105.7
115	31.0	26.5	39.7



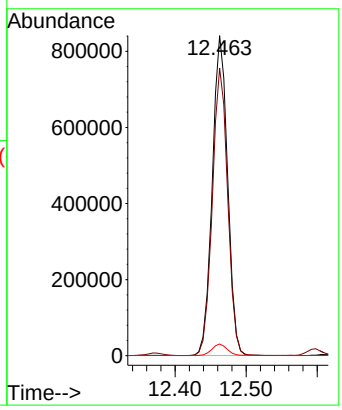


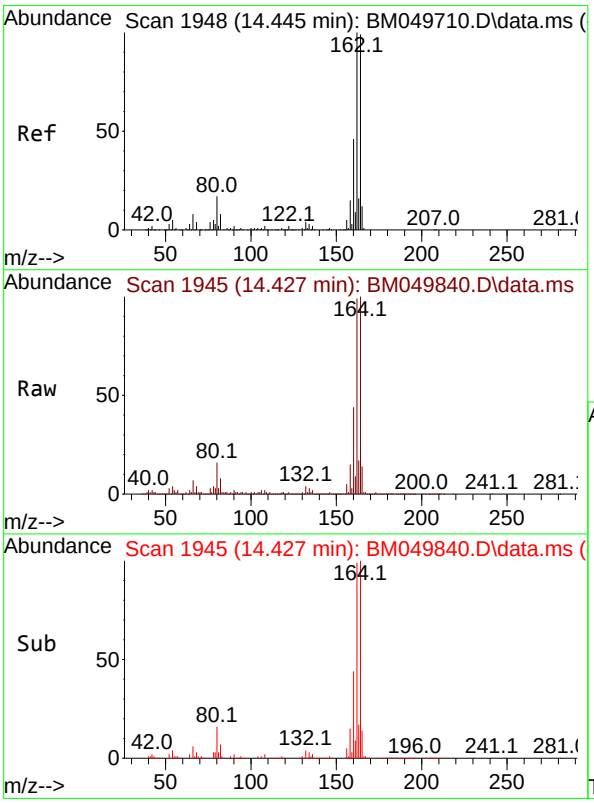
#38
1-Methylnaphthalene
Concen: 25.826 ng
RT: 12.463 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:142 Resp: 1258072

Ion	Ratio	Lower	Upper
142	100		
141	89.9	73.4	110.2
116	3.7	2.8	4.2

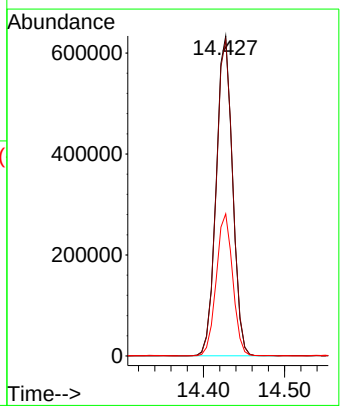


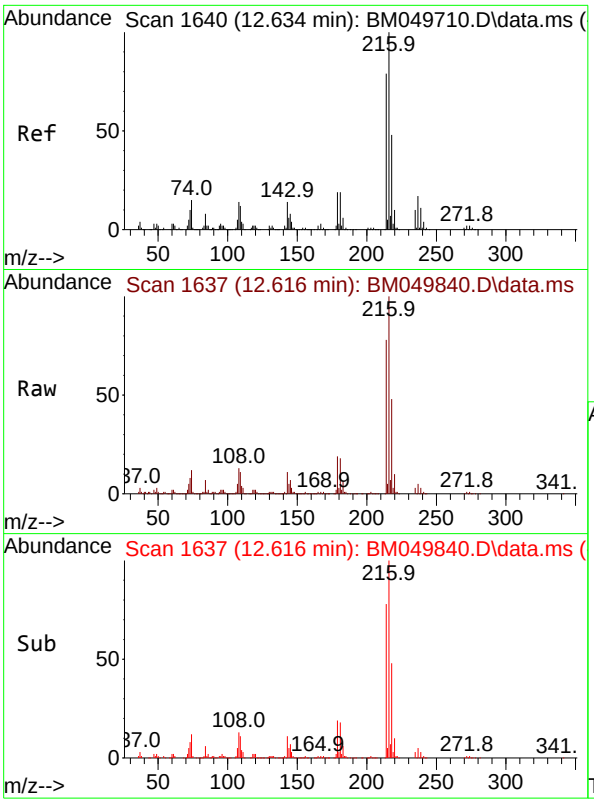


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:164 Resp: 888245

Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.5	120.7
160	44.4	36.9	55.3



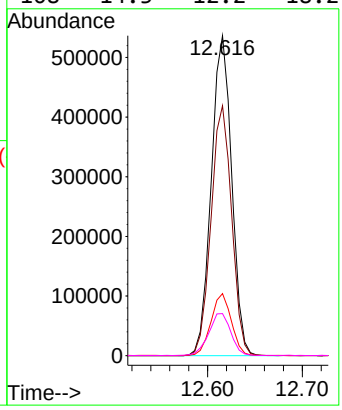


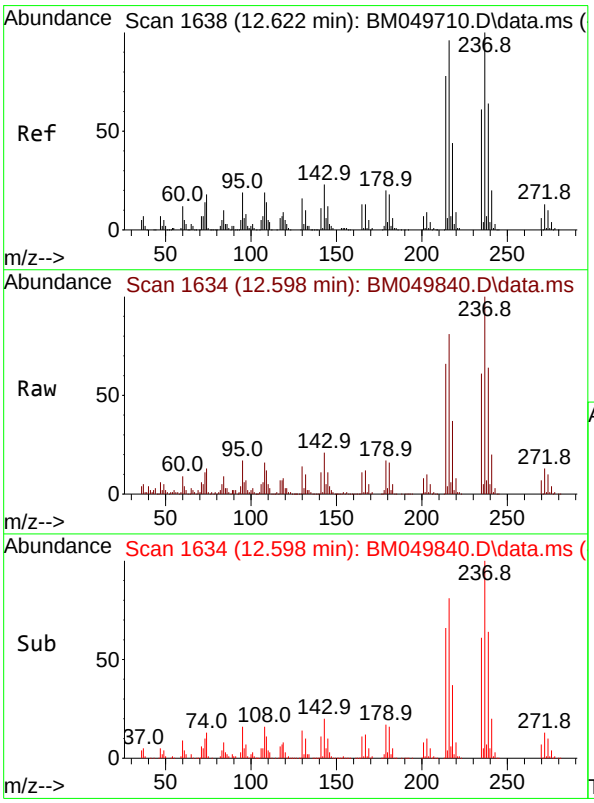
#40
1,2,4,5-Tetrachlorobenzene
Concen: 24.619 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:216 Resp: 803247

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.5	95.3
179	19.3	15.7	23.5
108	14.3	12.2	18.2

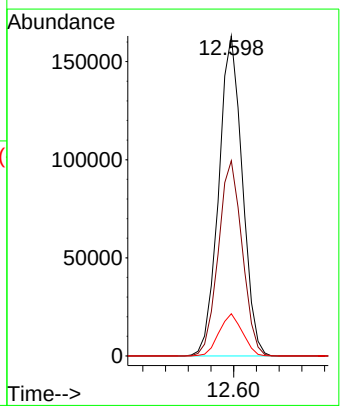


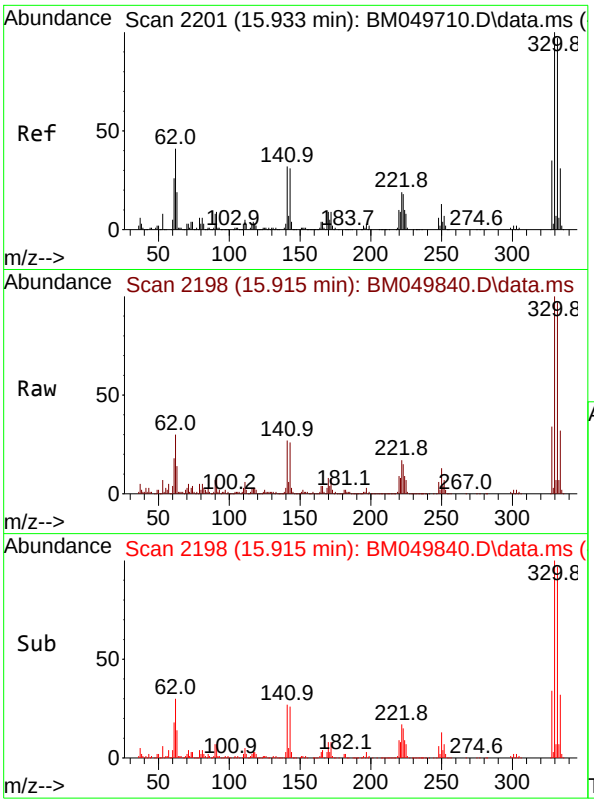


#41
Hexachlorocyclopentadiene
Concen: 19.485 ng
RT: 12.598 min Scan# 1634
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:237 Resp: 235515

Ion	Ratio	Lower	Upper
237	100		
235	61.0	41.1	81.1
272	13.2	0.0	32.5



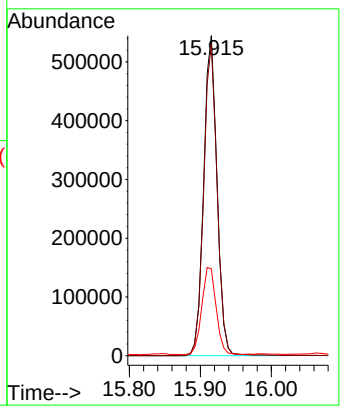


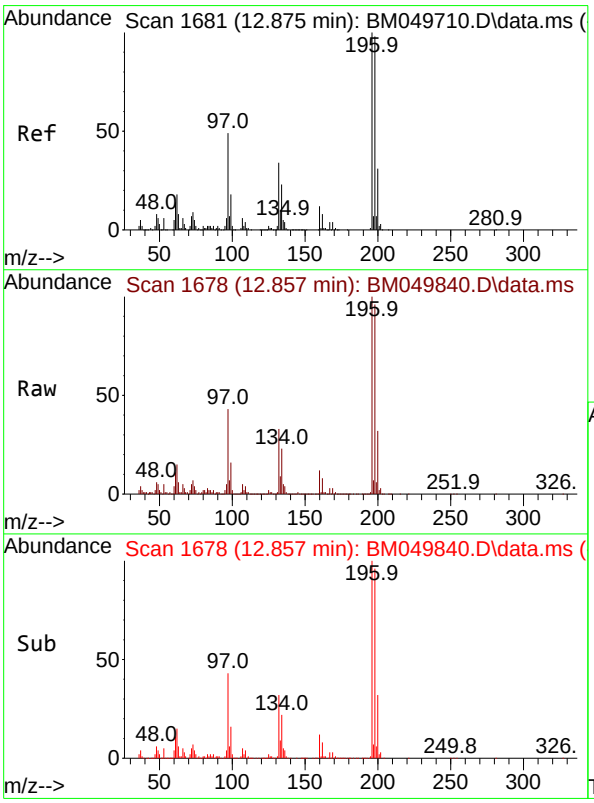
#42
2,4,6-Tribromophenol
Concen: 68.705 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:330 Resp: 712614

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.4
141	29.3	27.8	41.6

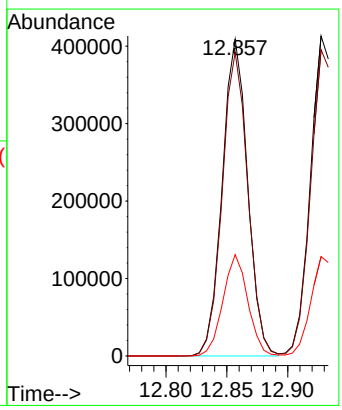


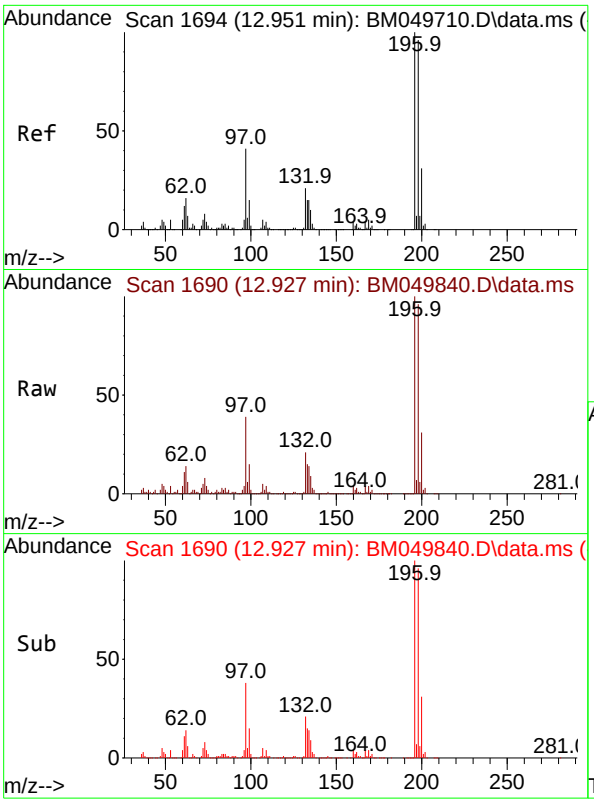


#43
2,4,6-Trichlorophenol
Concen: 32.509 ng
RT: 12.857 min Scan# 1678
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:196 Resp: 594044

Ion	Ratio	Lower	Upper
196	100		
198	95.9	78.3	117.5
200	32.0	25.1	37.7



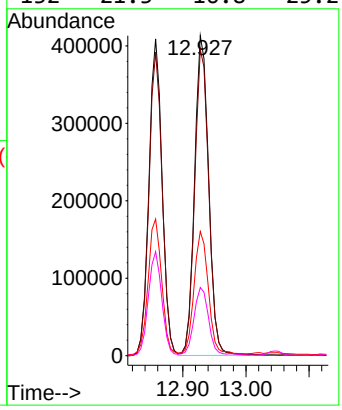


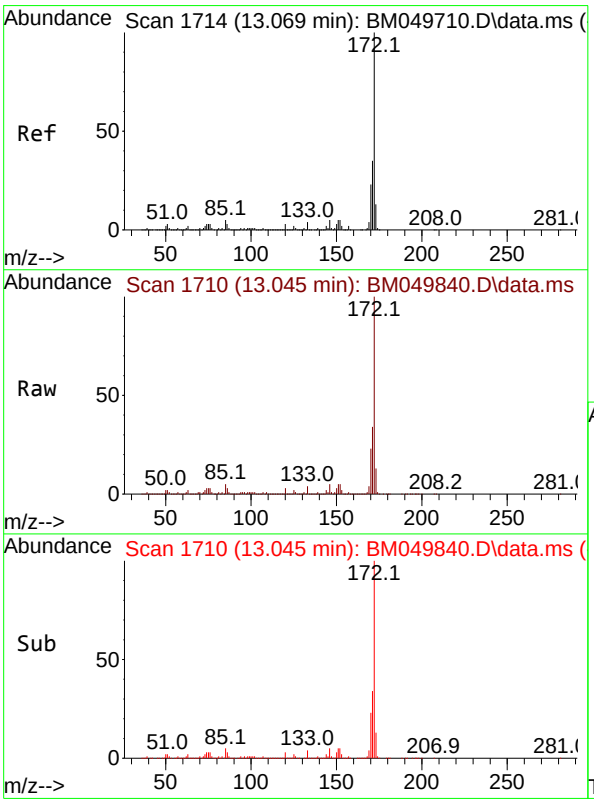
#44
2,4,5-Trichlorophenol
Concen: 32.177 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:196 Resp: 641644

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.7	115.1
97	38.8	32.9	49.3
132	21.3	16.8	25.2

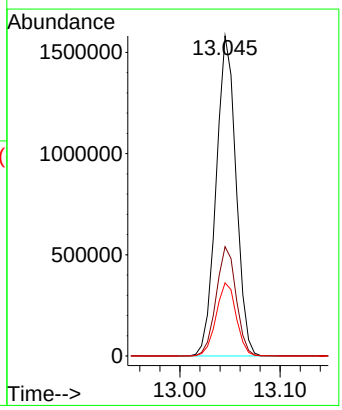


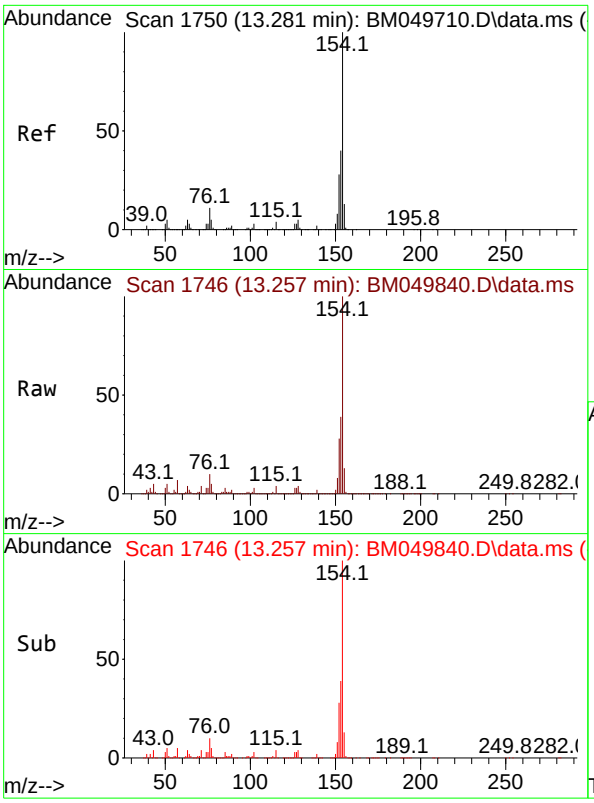


#45
2-Fluorobiphenyl
Concen: 30.670 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:172 Resp: 2175235

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.9	41.9
170	22.9	18.6	28.0



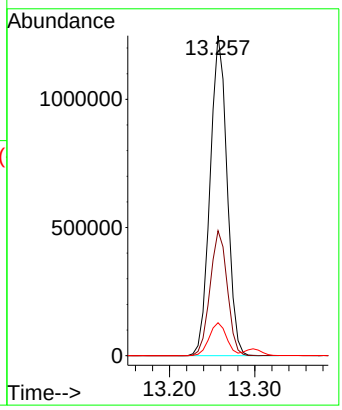


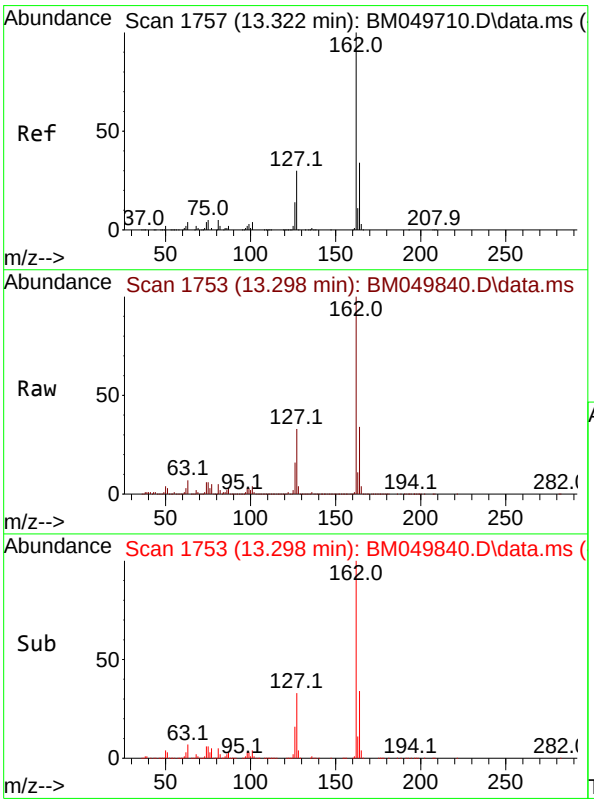
#46
1,1'-Biphenyl
Concen: 25.244 ng
RT: 13.257 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:154 Resp: 1728179

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.7	59.7
76	10.3	0.0	31.2

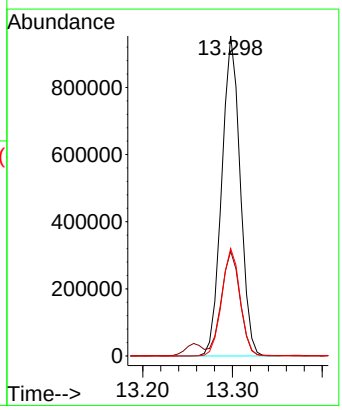


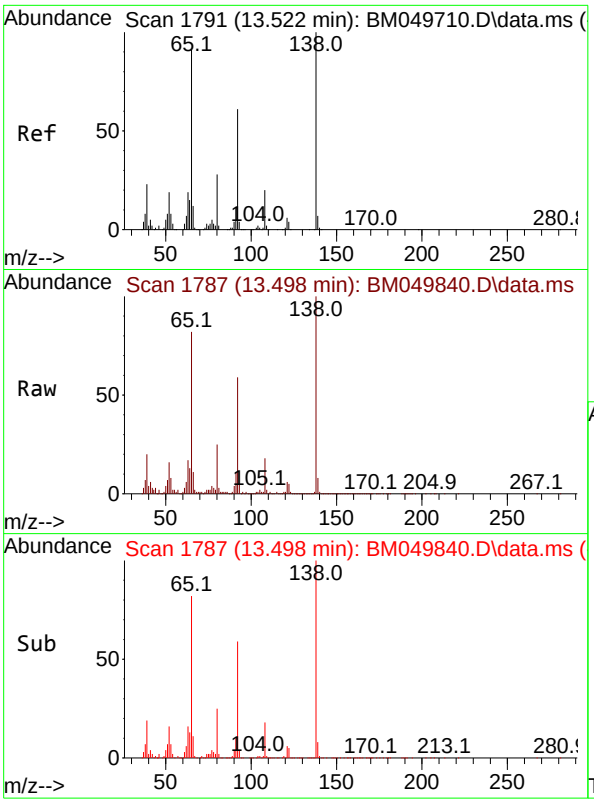


#47
2-Chloronaphthalene
Concen: 25.544 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:162 Resp: 1361107

Ion	Ratio	Lower	Upper
162	100		
127	32.7	25.8	38.6
164	33.6	27.1	40.7



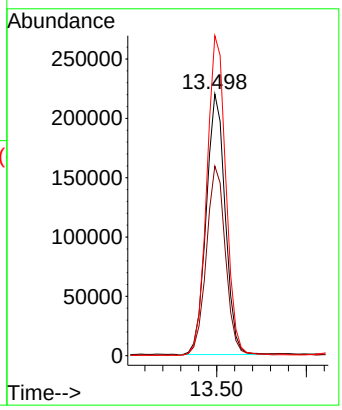


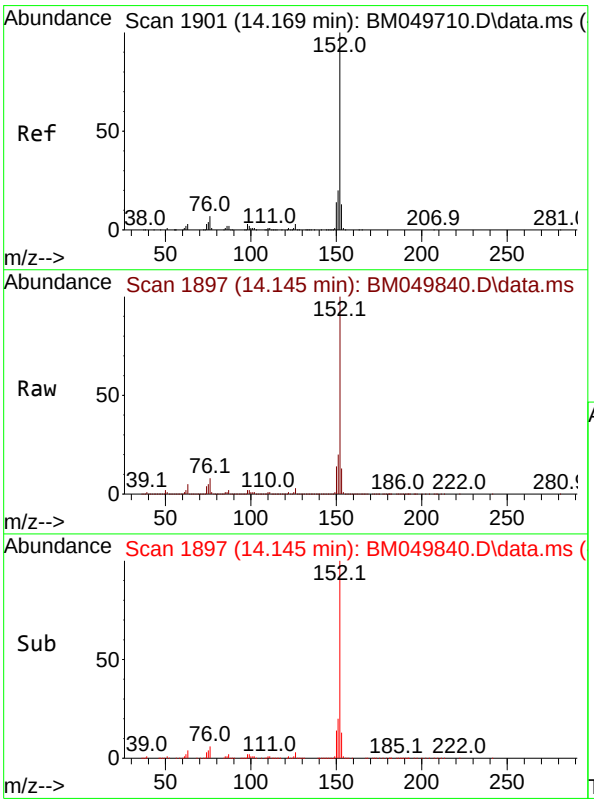
#48
2-Nitroaniline
Concen: 27.002 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion: 65 Resp: 322997

Ion	Ratio	Lower	Upper
65	100		
92	72.4	53.4	80.2
138	122.2	87.6	131.4

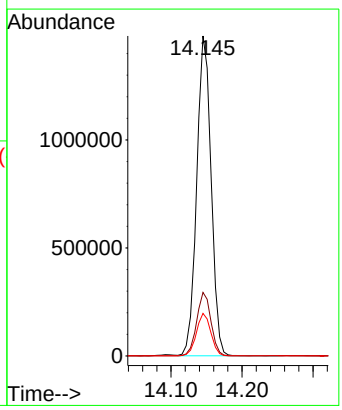


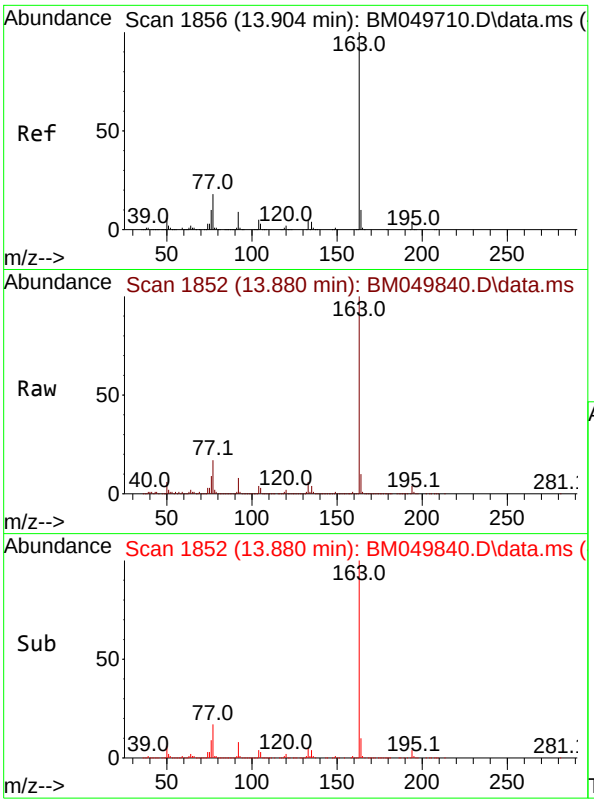


#49
Acenaphthylene
Concen: 28.010 ng
RT: 14.145 min Scan# 1897
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:152 Resp: 2086203

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.3	10.2	15.4



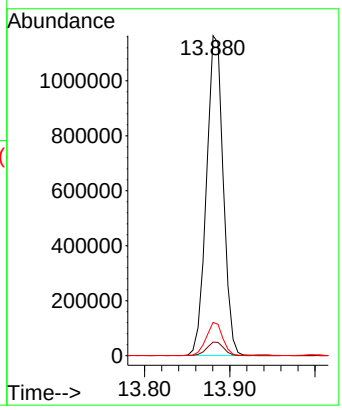


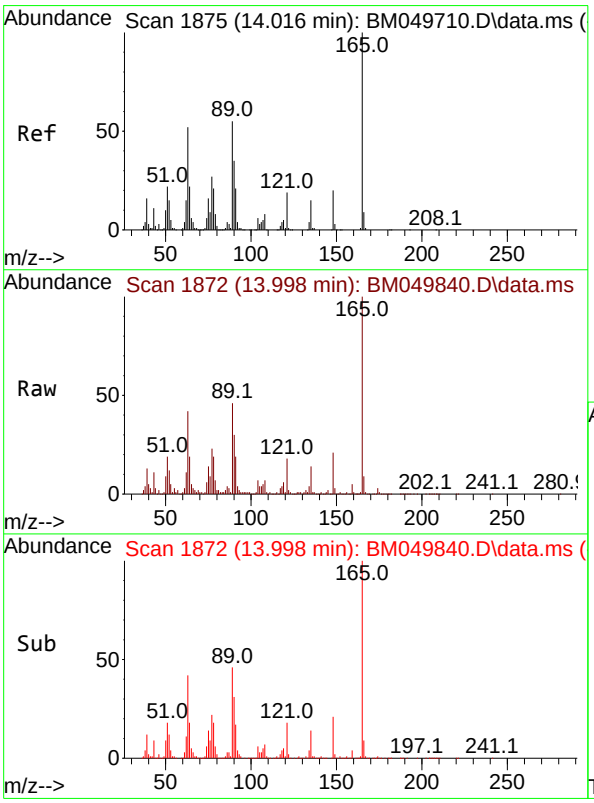
#50
Dimethylphthalate
Concen: 26.043 ng
RT: 13.880 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:163 Resp: 1592660

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.4	8.2	12.2

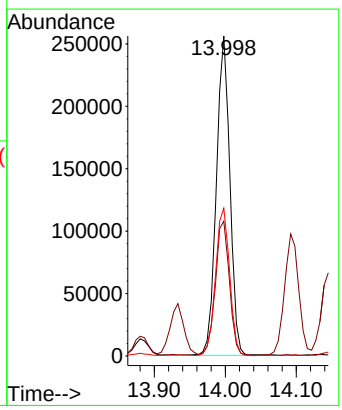


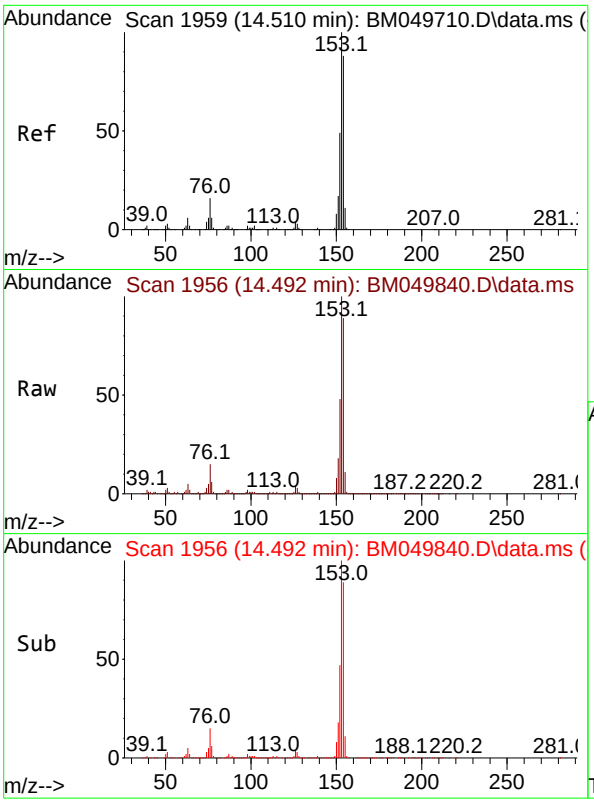


#51
2,6-Dinitrotoluene
Concen: 27.497 ng
RT: 13.998 min Scan# 1872
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:165 Resp: 336940

Ion	Ratio	Lower	Upper
165	100		
63	42.1	42.3	63.5#
89	46.1	43.9	65.9



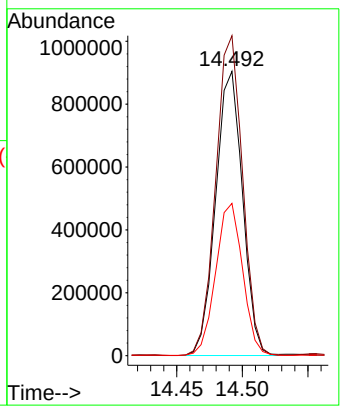


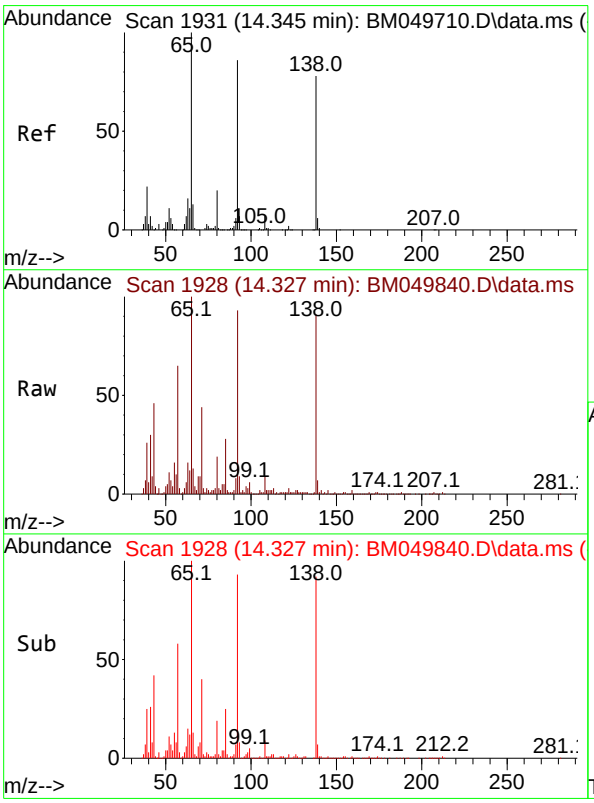
#52
Acenaphthene
Concen: 26.384 ng
RT: 14.492 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:154 Resp: 1288995

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.4	135.6
152	53.5	44.2	66.2

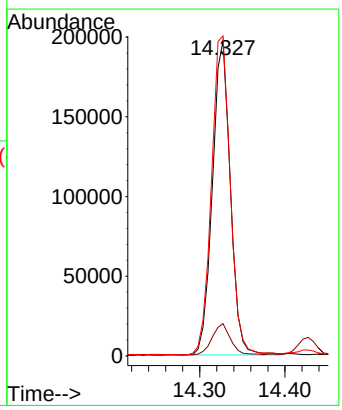


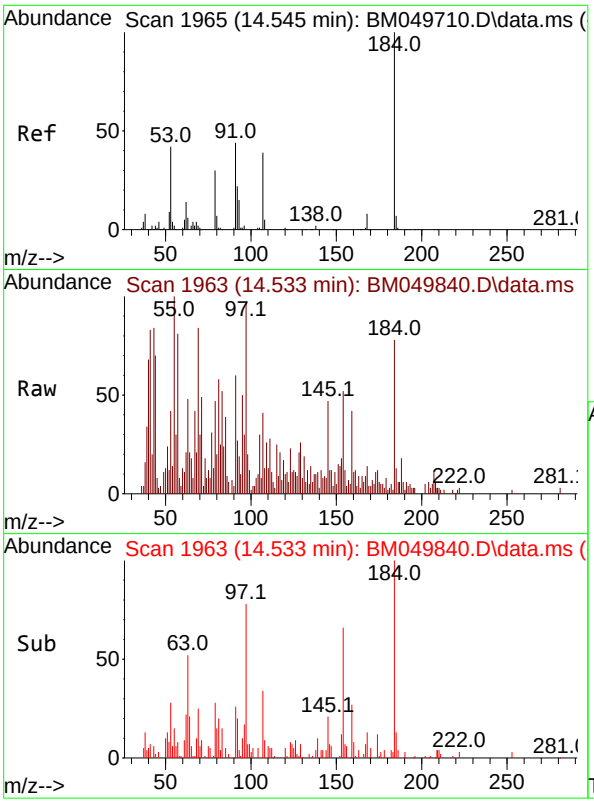


#53
3-Nitroaniline
Concen: 24.841 ng
RT: 14.327 min Scan# 1928
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:138 Resp: 289665

Ion	Ratio	Lower	Upper
138	100		
108	10.2	7.5	11.3
92	101.6	88.0	132.0



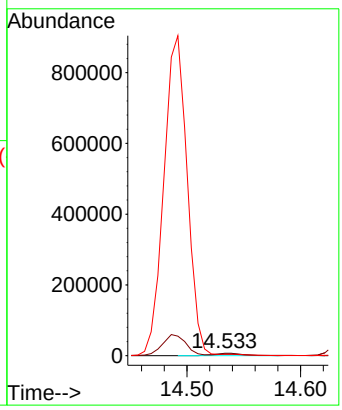


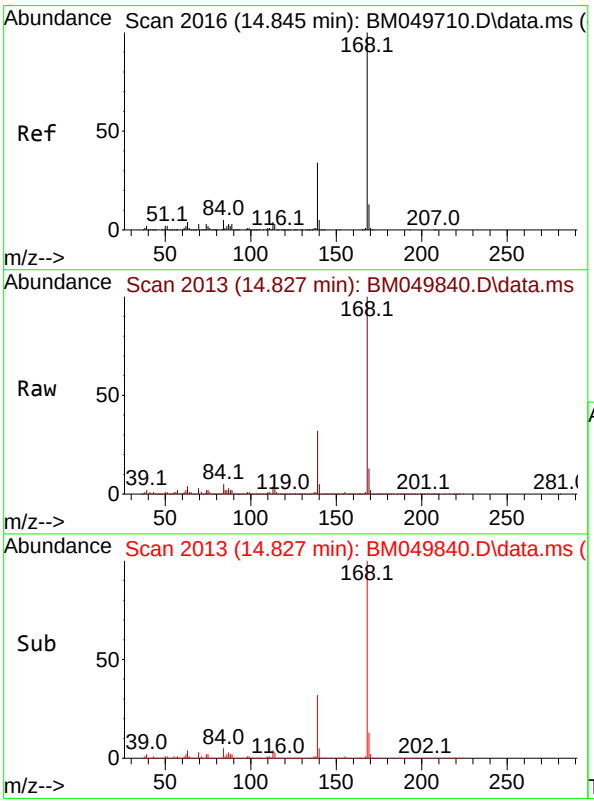
#54
2,4-Dinitrophenol
Concen: 5.415 ng
RT: 14.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:184 Resp: 11567

Ion	Ratio	Lower	Upper
184	100		
63	61.9	47.2	70.8
154	66.3	49.9	74.9

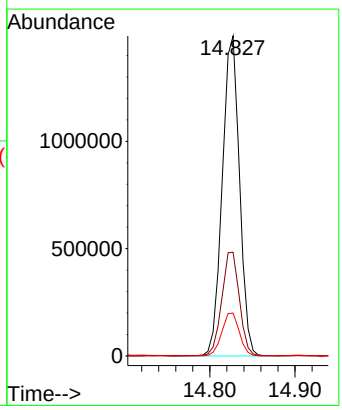


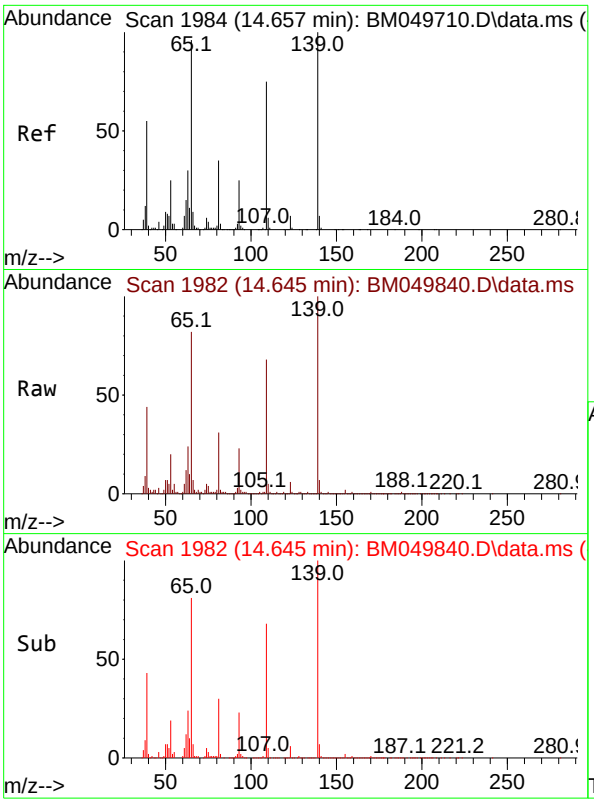


#55
Dibenzofuran
Concen: 25.733 ng
RT: 14.827 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:168 Resp: 2094904

Ion	Ratio	Lower	Upper
168	100		
139	32.4	27.4	41.0
169	13.4	10.7	16.1



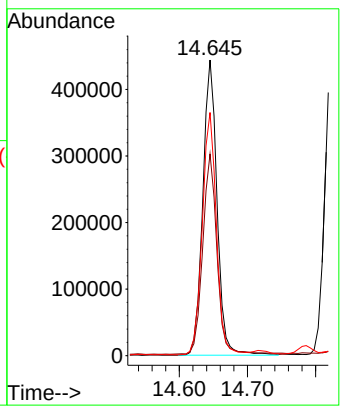


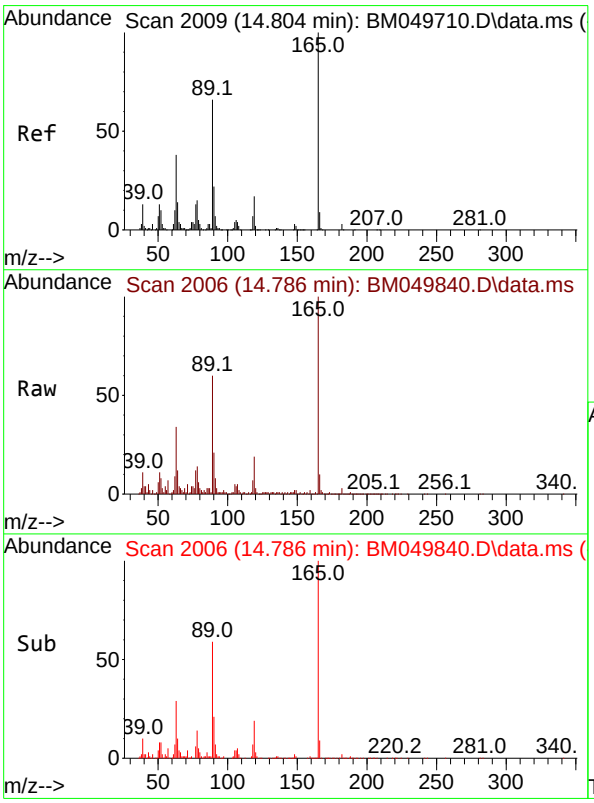
#56
4-Nitrophenol
Concen: 63.643 ng
RT: 14.645 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:139 Resp: 645977

Ion	Ratio	Lower	Upper
139	100		
109	68.2	54.7	94.7
65	82.2	76.2	116.2

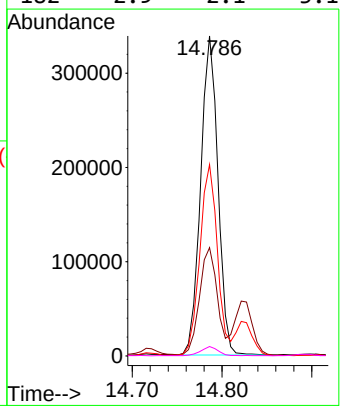


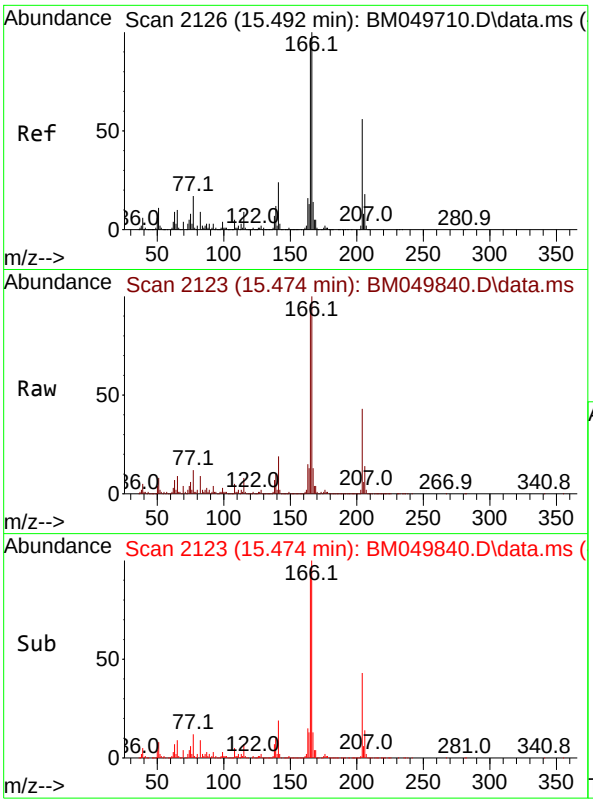


#57
2,4-Dinitrotoluene
Concen: 28.724 ng
RT: 14.786 min Scan# 2006
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:165 Resp: 452917

Ion	Ratio	Lower	Upper
165	100		
63	33.8	30.8	46.2
89	59.8	53.1	79.7
182	2.9	2.1	3.1



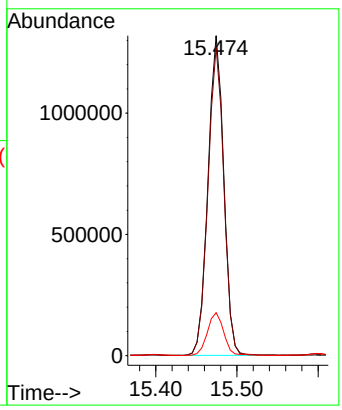


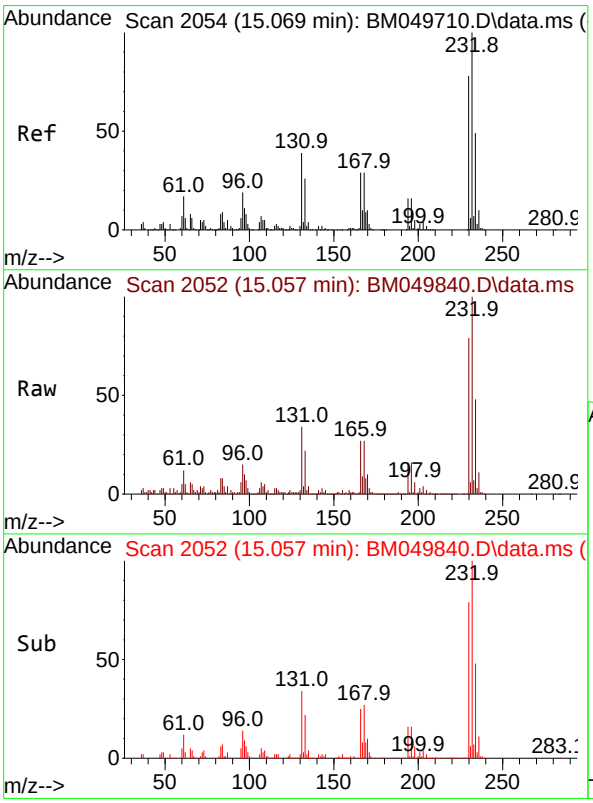
#58
Fluorene
Concen: 26.860 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:166 Resp: 1780330

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.5	116.3
167	13.5	10.9	16.3

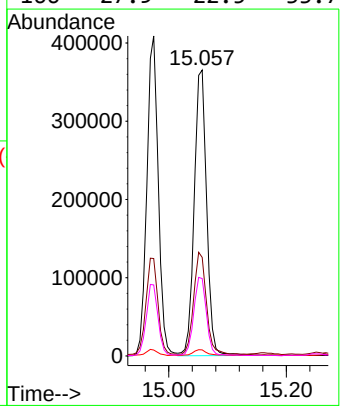


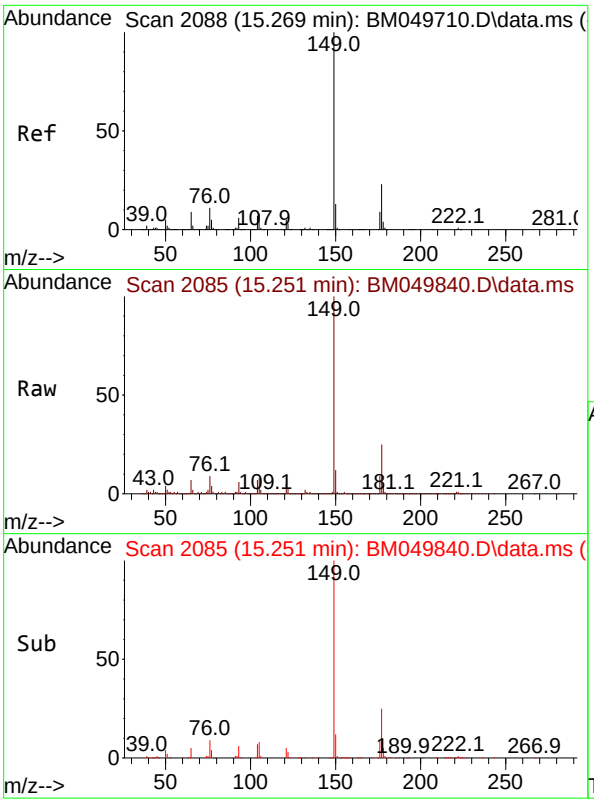


#59
2,3,4,6-Tetrachlorophenol
Concen: 32.104 ng
RT: 15.057 min Scan# 2052
Delta R.T. -0.012 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:232 Resp: 535877

Ion	Ratio	Lower	Upper
232	100		
131	36.8	30.0	45.0
130	2.4	1.6	2.4
166	27.9	22.5	33.7



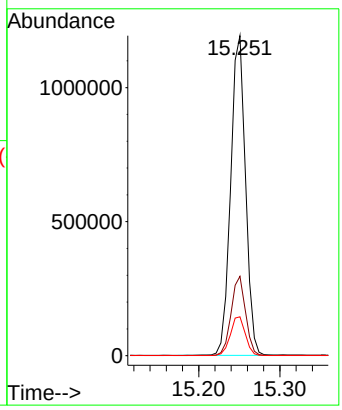


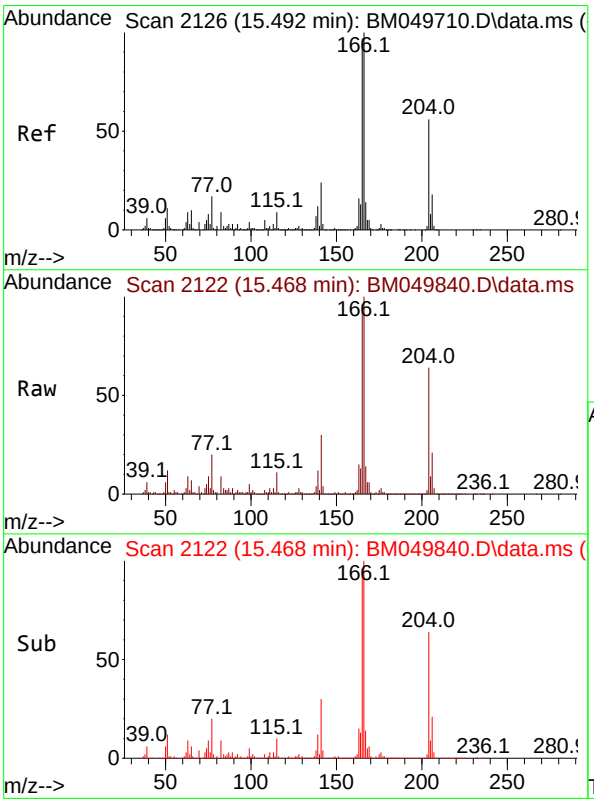
#60
Diethylphthalate
Concen: 26.210 ng
RT: 15.251 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:149 Resp: 1509646

Ion	Ratio	Lower	Upper
149	100		
177	24.8	18.2	27.2
150	12.2	10.0	15.0

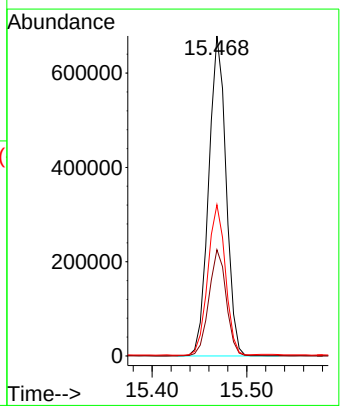


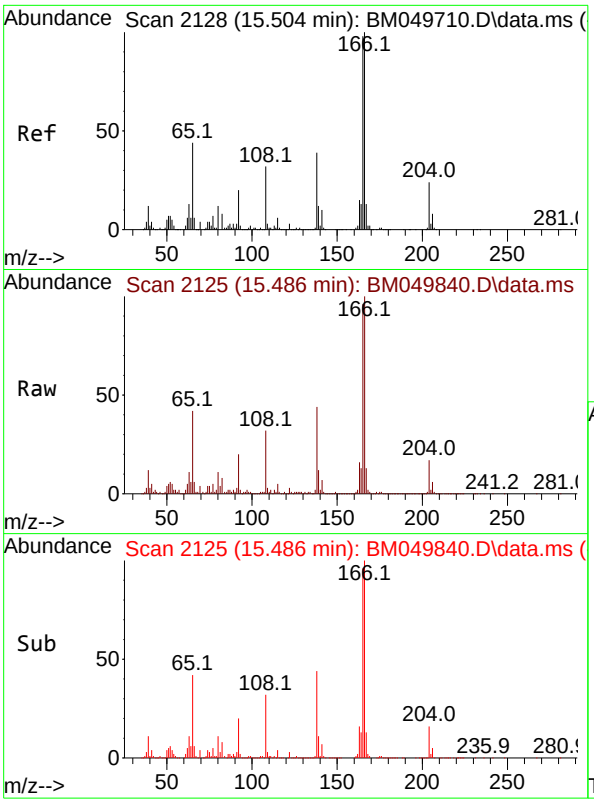


#61
4-Chlorophenyl-phenylether
Concen: 23.932 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:204 Resp: 866175

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.2	37.8
141	47.3	34.5	51.7



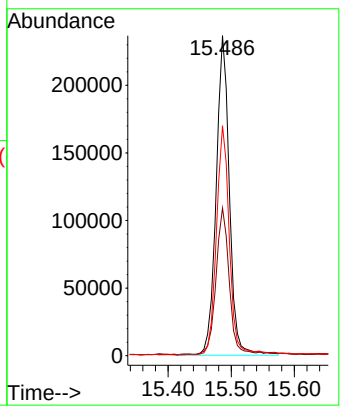


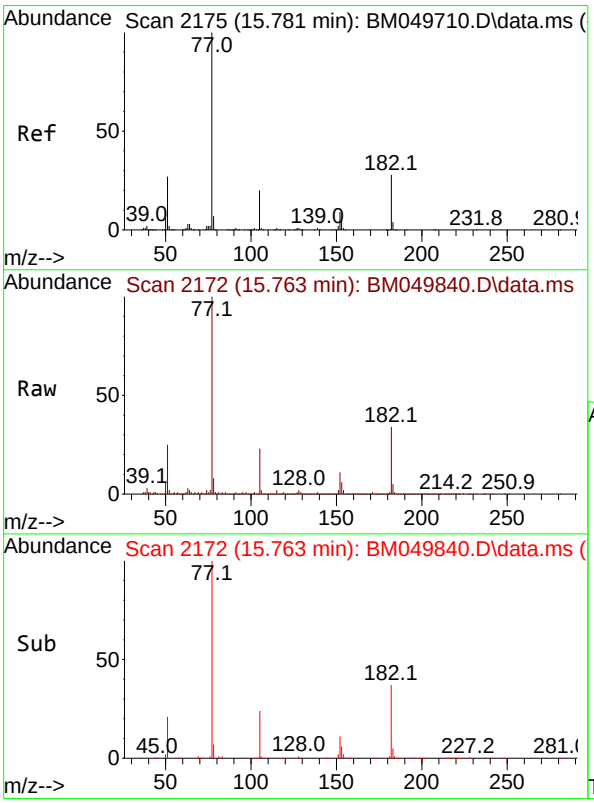
#62
4-Nitroaniline
Concen: 26.616 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:138 Resp: 344075

Ion	Ratio	Lower	Upper
138	100		
92	46.1	29.8	69.8
108	71.8	61.3	101.3

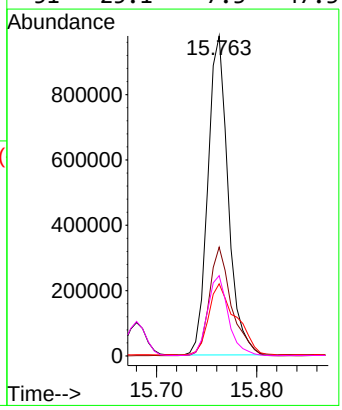


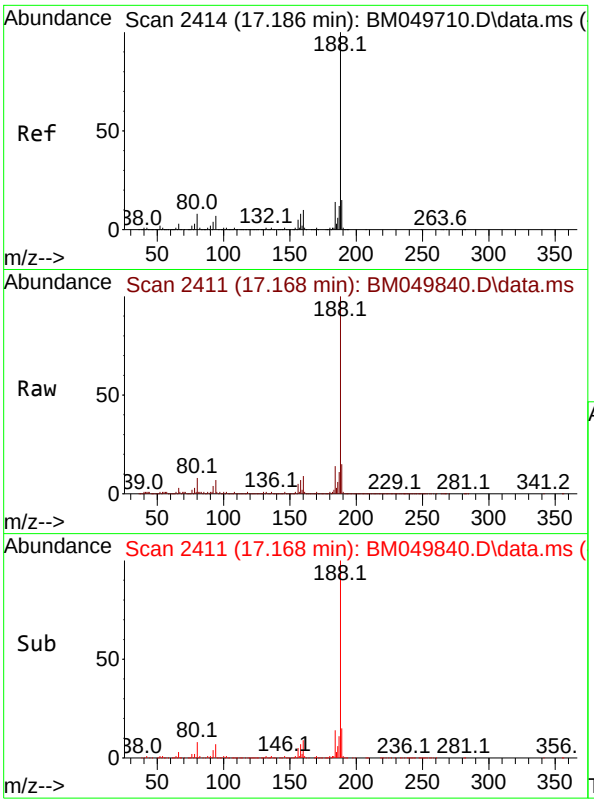


#63
Azobenzene
Concen: 24.912 ng
RT: 15.763 min Scan# 2172
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion: 77 Resp: 1370571

Ion	Ratio	Lower	Upper
77	100		
182	34.0	8.0	48.0
105	22.6	0.0	40.0
51	25.1	7.3	47.3



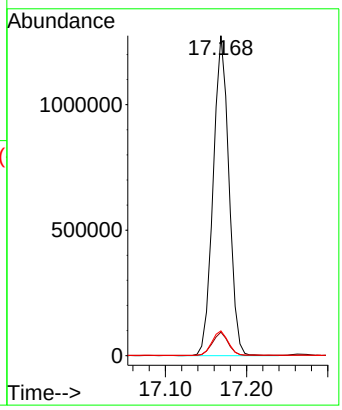


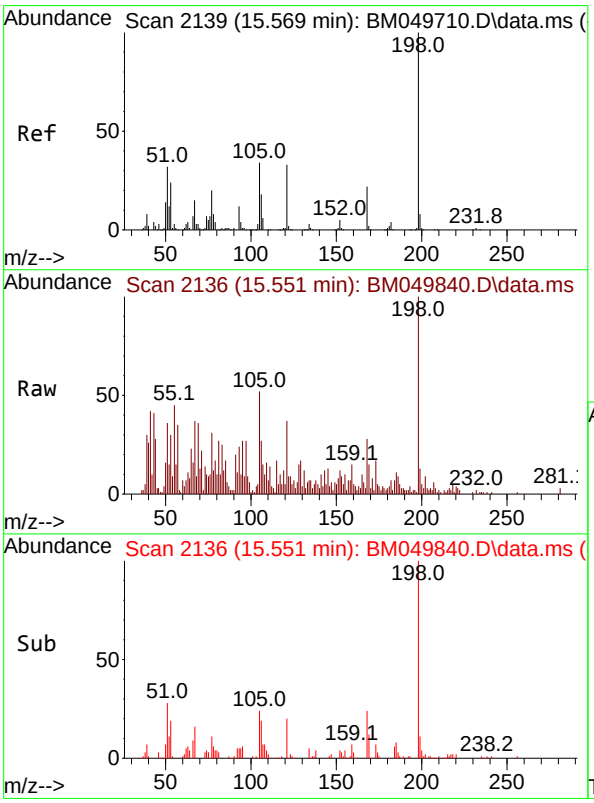
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:188 Resp: 1716279

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	7.8	6.3	9.5

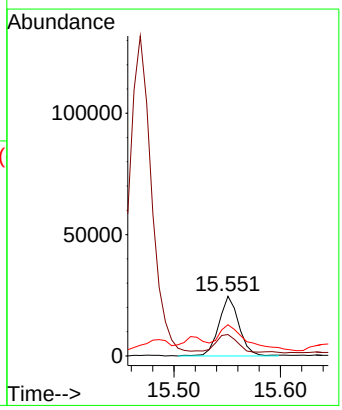


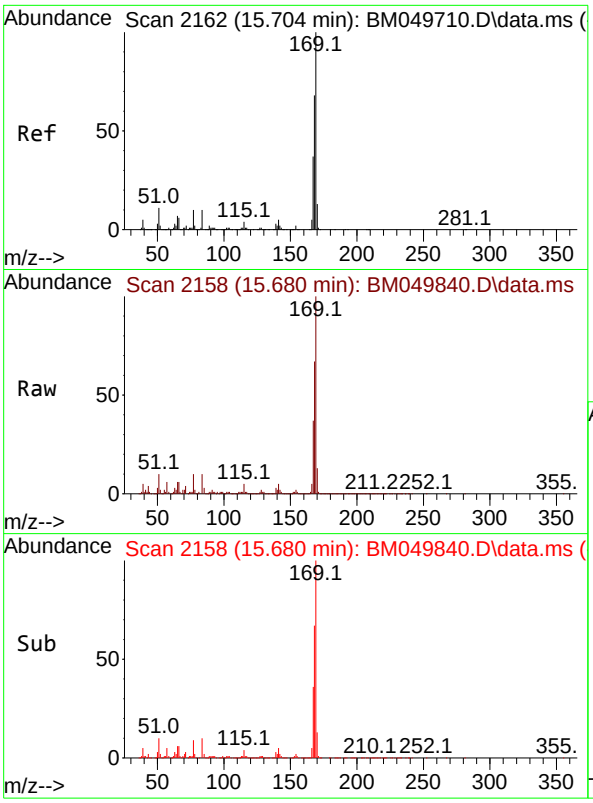


#65
4,6-Dinitro-2-methylphenol
Concen: 7.036 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:198 Resp: 32208

Ion	Ratio	Lower	Upper
198	100		
51	36.1	13.8	53.8
105	52.4	14.0	54.0



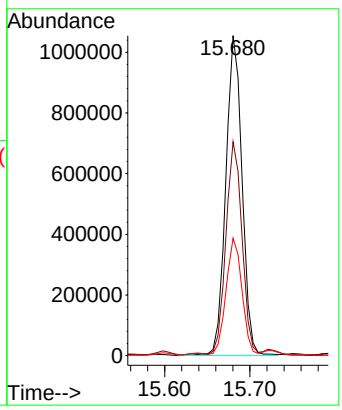


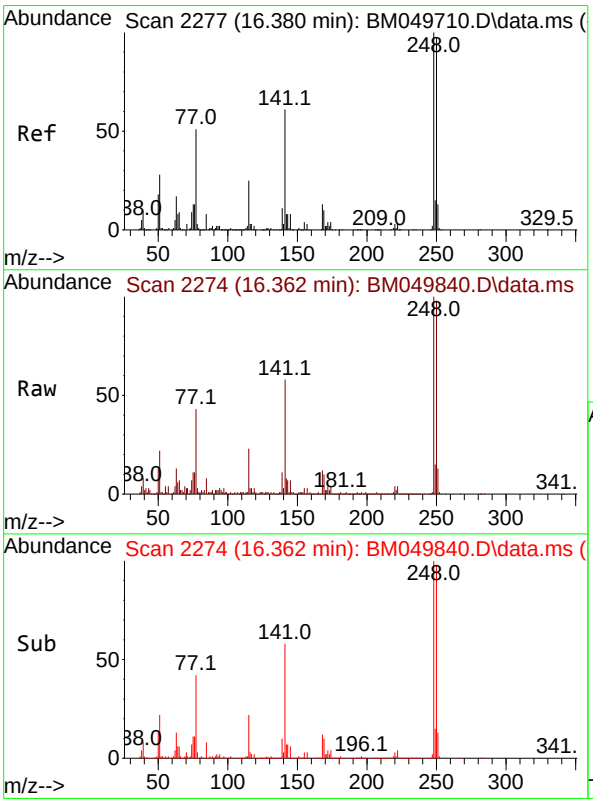
#66
n-Nitrosodiphenylamine
Concen: 26.879 ng
RT: 15.680 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:169 Resp: 1397700

Ion	Ratio	Lower	Upper
169	100		
168	66.9	54.8	82.2
167	36.7	29.9	44.9

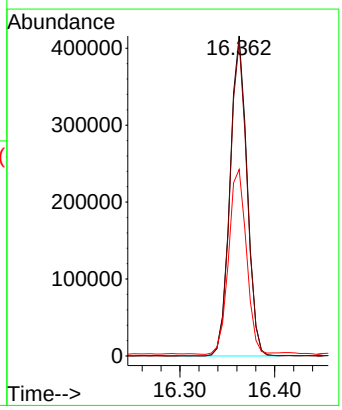


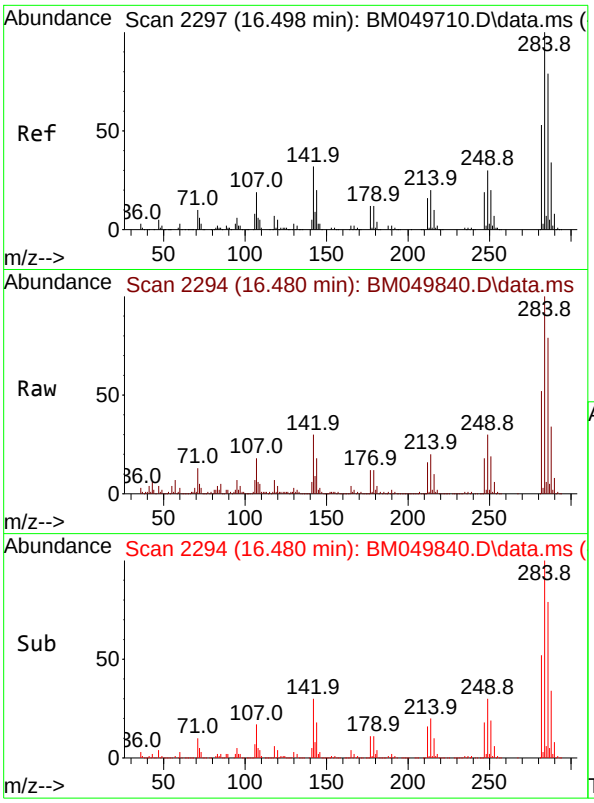


#67
4-Bromophenyl-phenylether
Concen: 26.212 ng
RT: 16.362 min Scan# 2274
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:248 Resp: 519400

Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.9	116.9
141	58.3	48.6	73.0



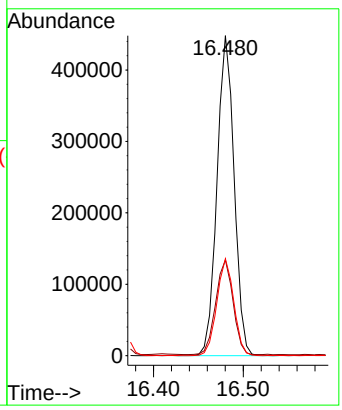


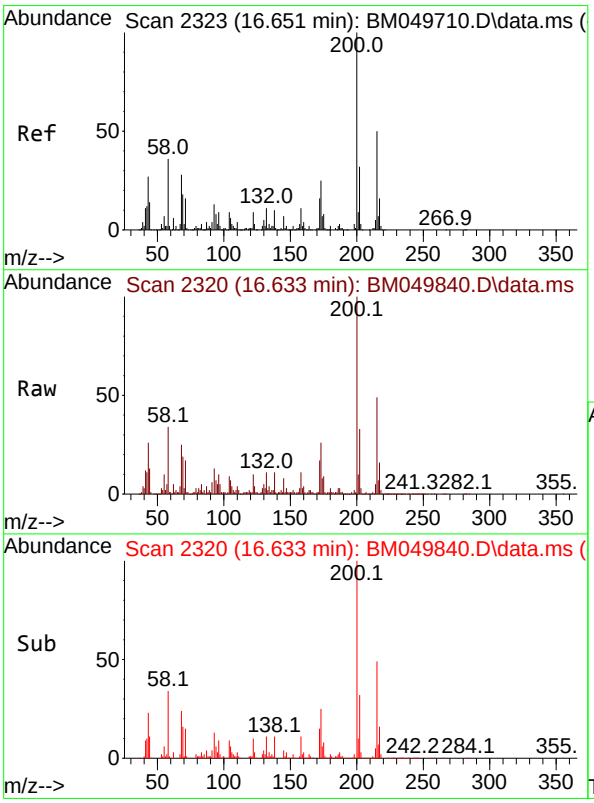
#68
Hexachlorobenzene
Concen: 26.614 ng
RT: 16.480 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:284 Resp: 593045

Ion	Ratio	Lower	Upper
284	100		
142	29.9	25.5	38.3
249	30.3	24.2	36.2

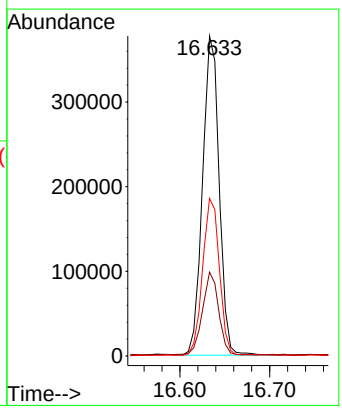


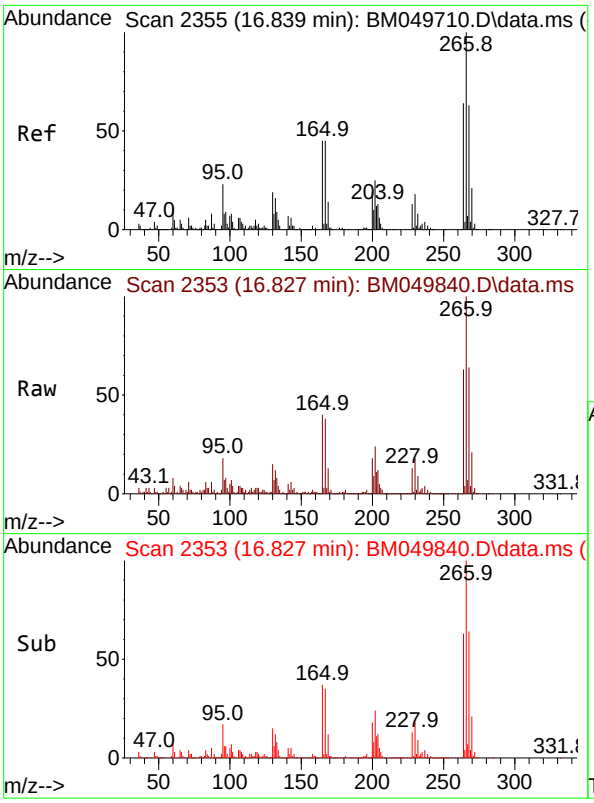


#69
Atrazine
Concen: 42.222 ng
RT: 16.633 min Scan# 2320
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:200 Resp: 483864

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.4	45.4
215	49.2	29.8	69.8



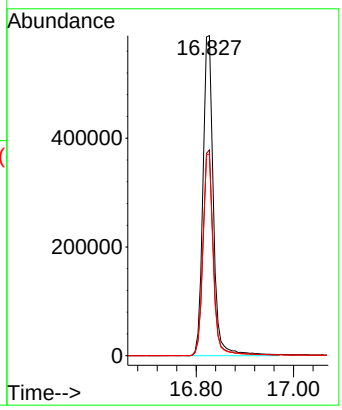


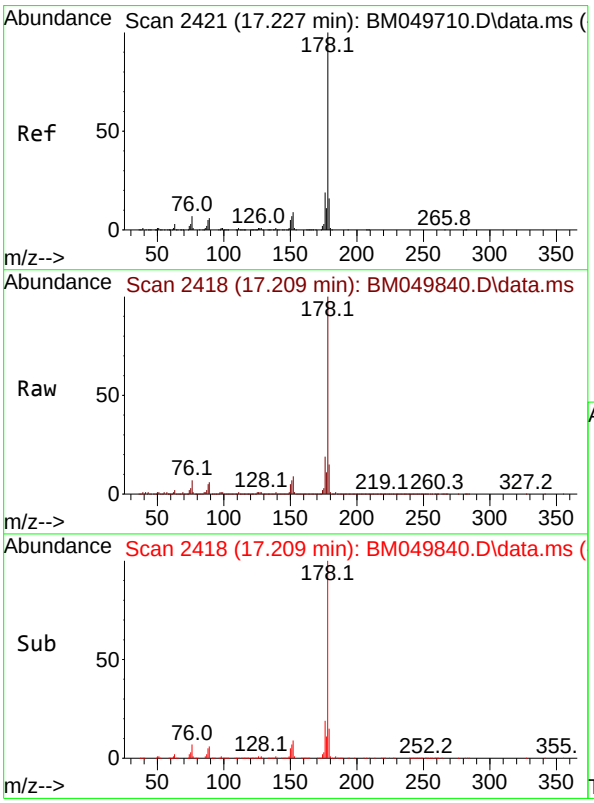
#70
Pentachlorophenol
Concen: 62.366 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:266 Resp: 873322

Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.2	75.2
264	63.0	51.3	76.9

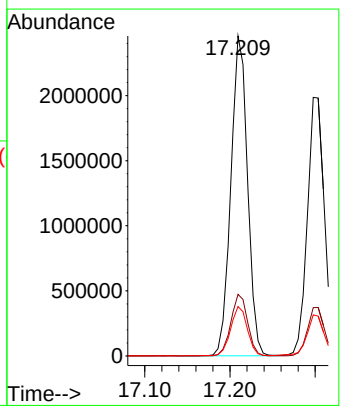


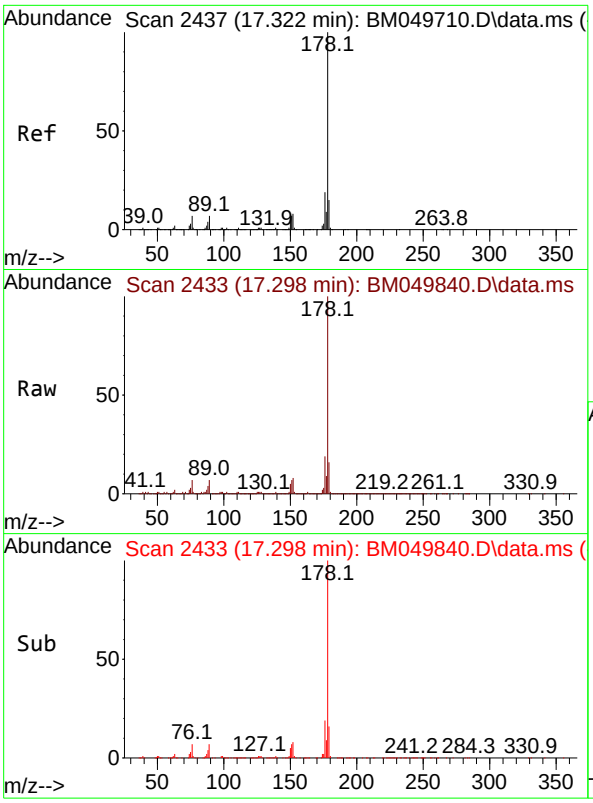


#71
Phenanthrene
Concen: 35.113 ng
RT: 17.209 min Scan# 2418
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:178 Resp: 3346295

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.4	12.5	18.7



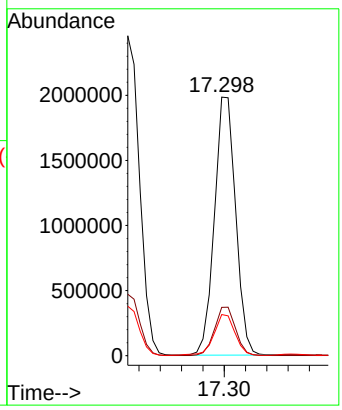


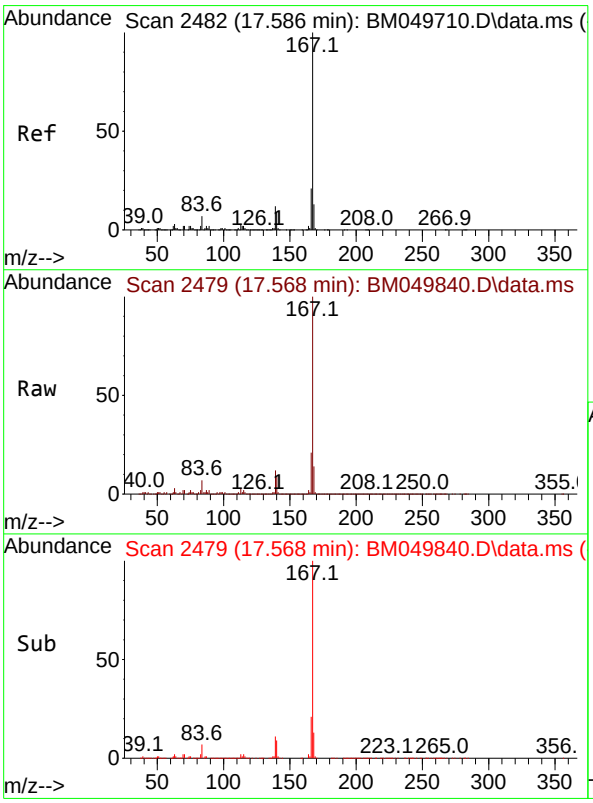
#72
Anthracene
Concen: 29.690 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:178 Resp: 2740257

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.9	12.4	18.6

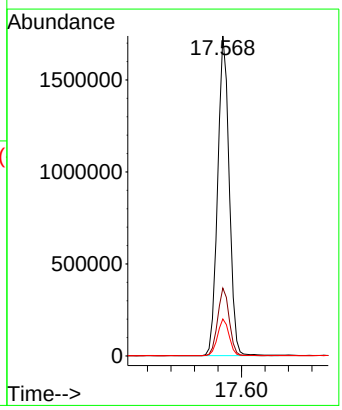


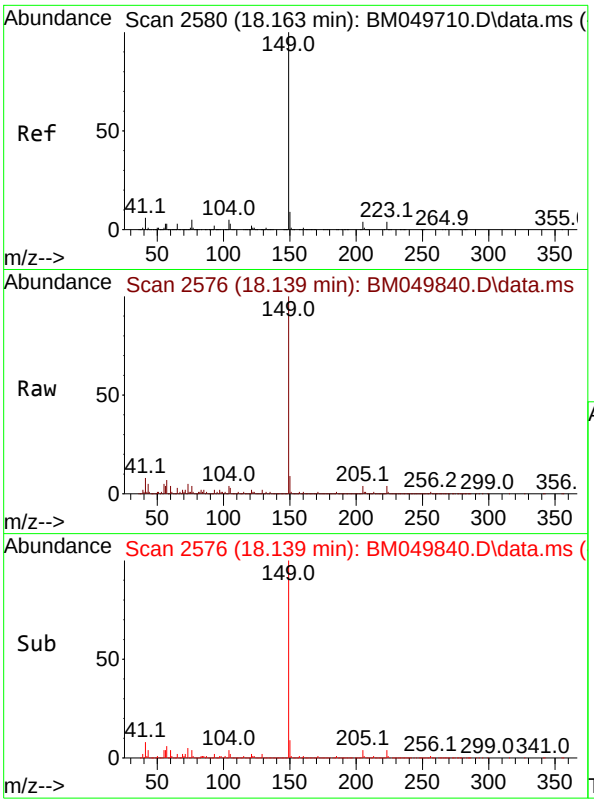


#73
Carbazole
Concen: 28.362 ng
RT: 17.568 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:167 Resp: 2370604

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	11.6	9.4	14.2



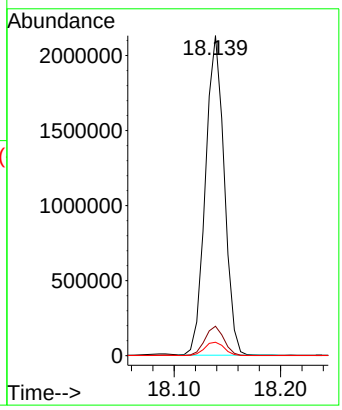


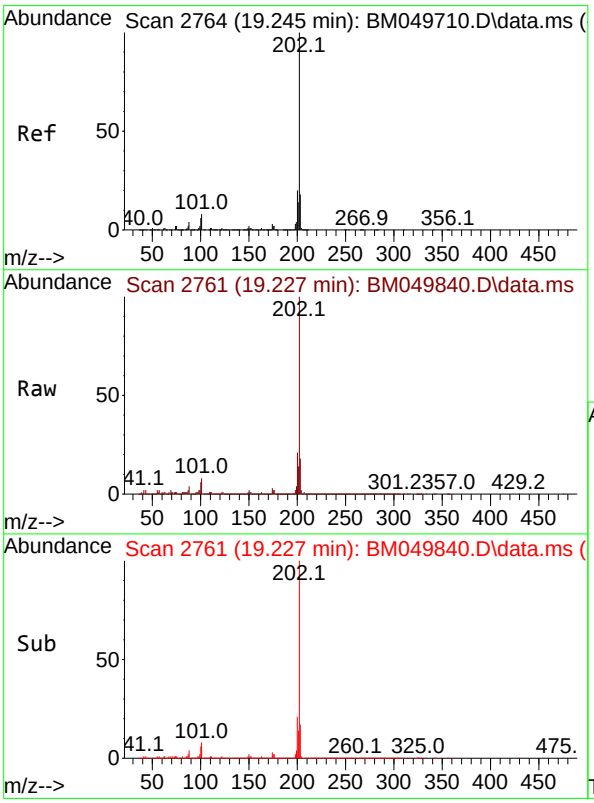
#74
Di-n-butylphthalate
Concen: 28.488 ng
RT: 18.139 min Scan# 2
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:149 Resp: 2609863

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.2	3.9	5.9

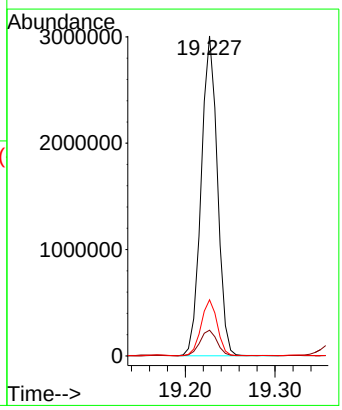


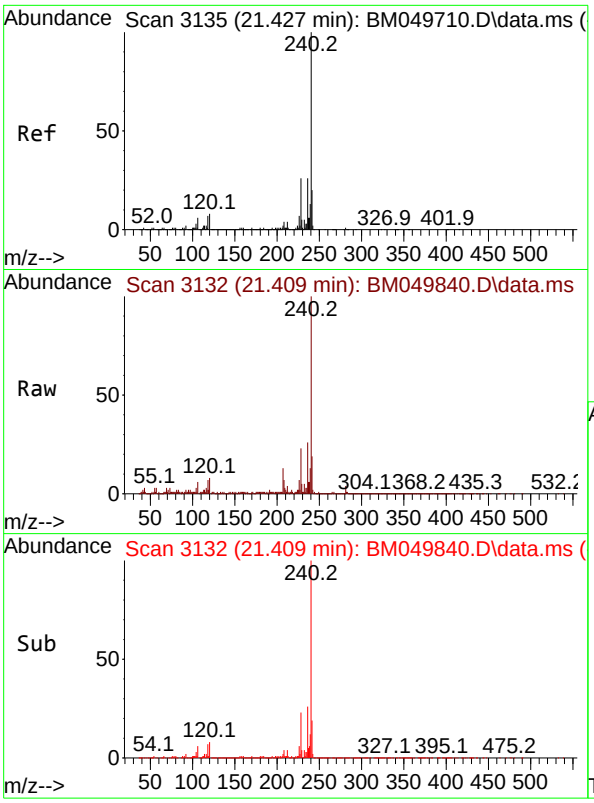


#75
Fluoranthene
Concen: 34.354 ng
RT: 19.227 min Scan# 2761
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:202 Resp: 3769266

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	27.8
203	17.6	0.0	37.6



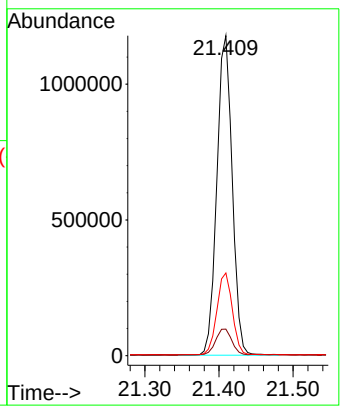


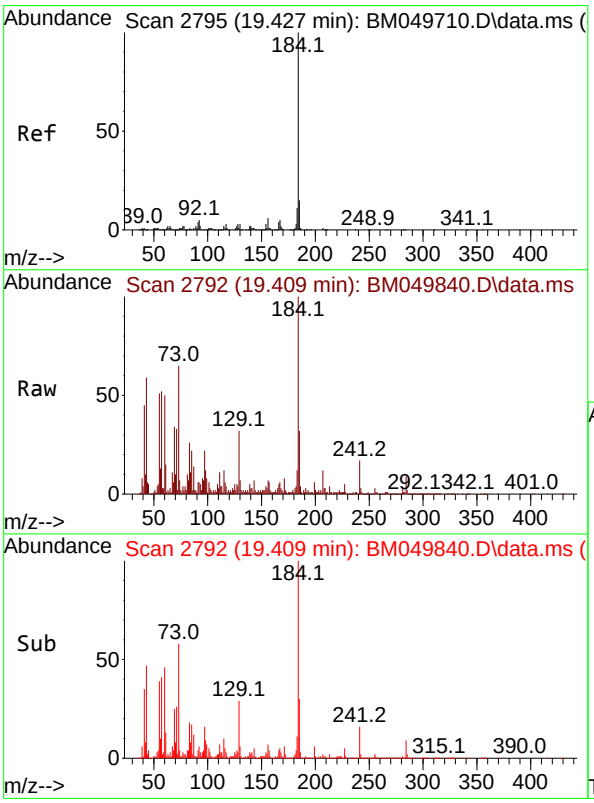
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:240 Resp: 1693342

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.9	20.7	31.1

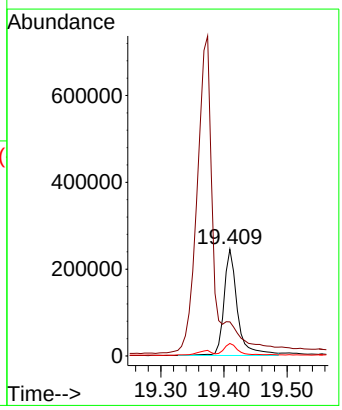


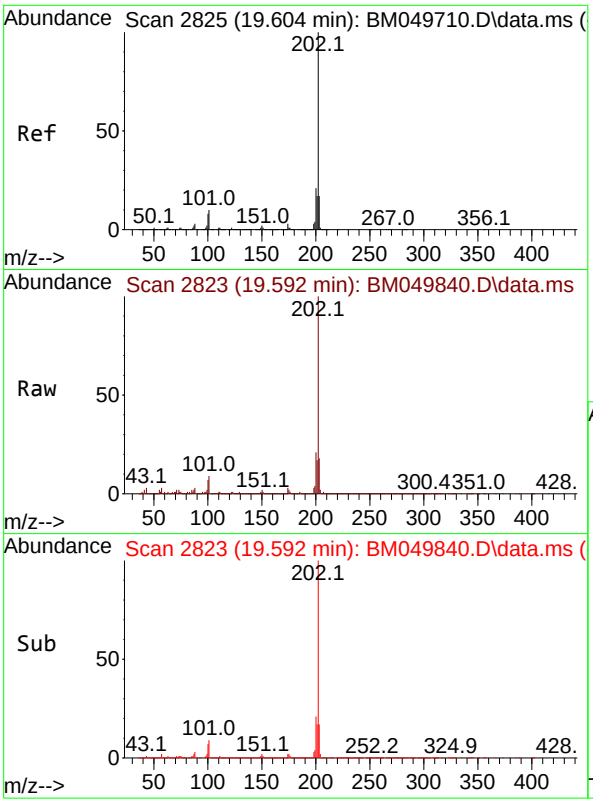


#77
Benzidine
Concen: 17.938 ng
RT: 19.409 min Scan# 2792
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:184 Resp: 364922

Ion	Ratio	Lower	Upper
184	100		
185	31.9	11.7	17.5#
183	11.7	8.8	13.2



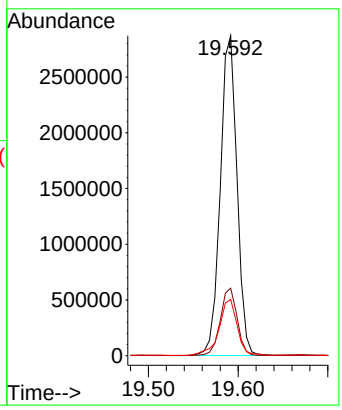


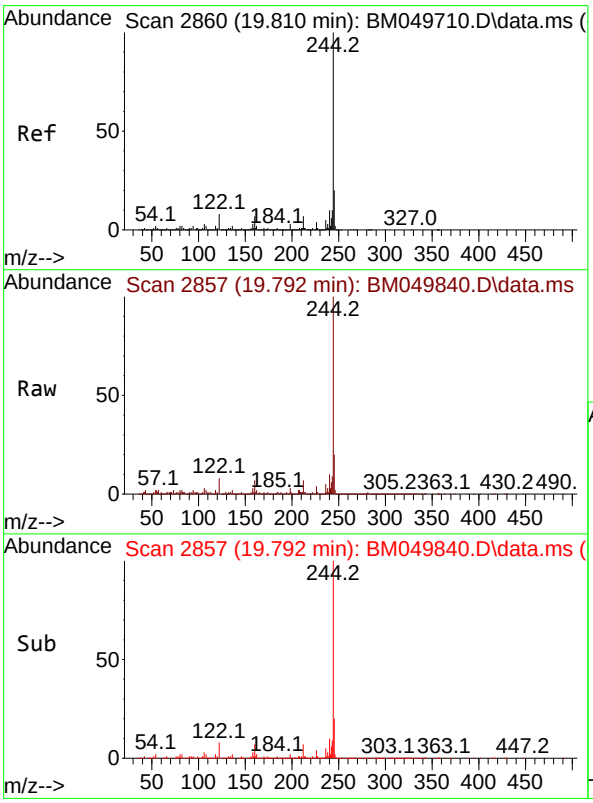
#78
Pyrene
Concen: 31.299 ng
RT: 19.592 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:202 Resp: 3702863

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.6	14.0	21.0

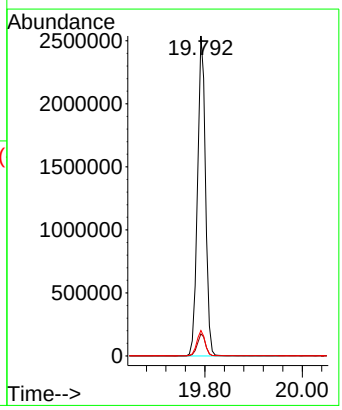


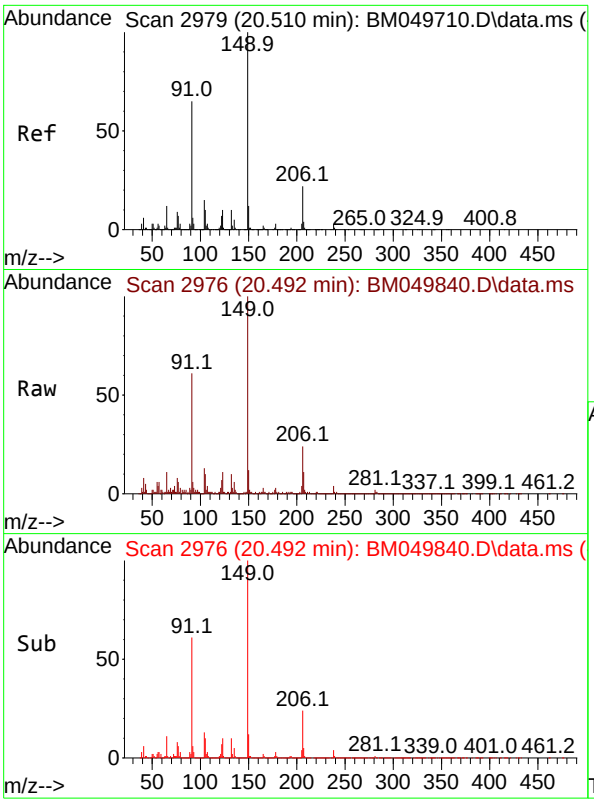


#79
Terphenyl-d14
Concen: 28.947 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:244 Resp: 2908837

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	7.9	6.0	9.0



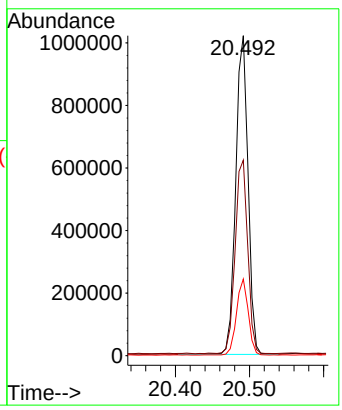


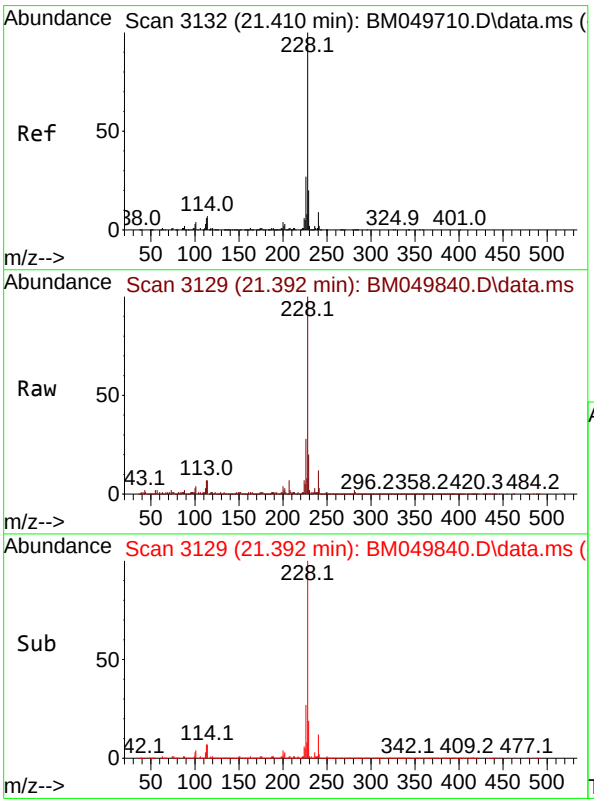
#80
Butylbenzylphthalate
Concen: 31.982 ng
RT: 20.492 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:149 Resp: 1174213

Ion	Ratio	Lower	Upper
149	100		
91	61.1	52.2	78.4
206	23.9	17.6	26.4

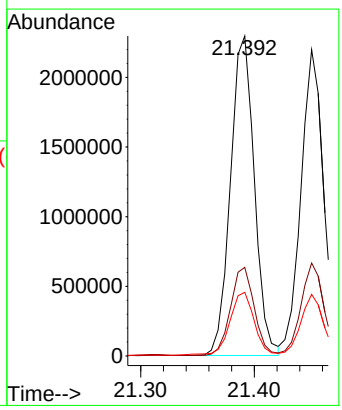


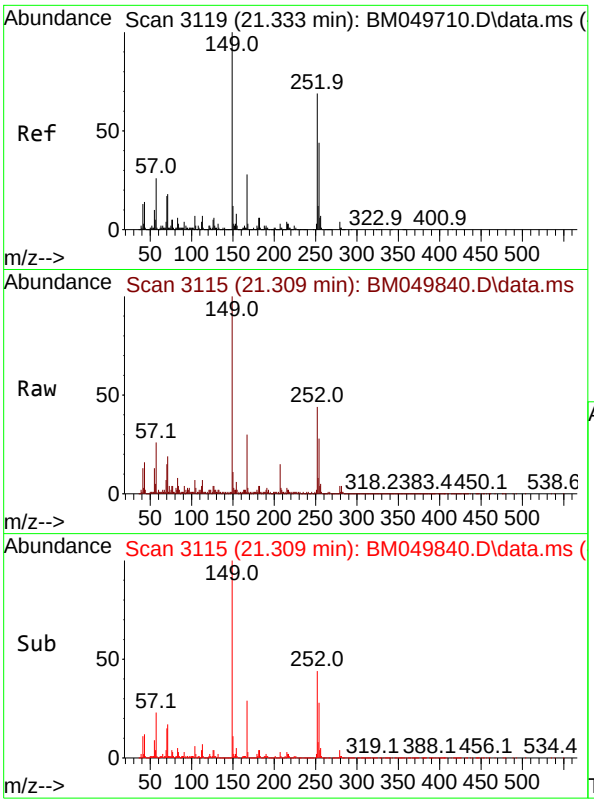


#81
Benzo(a)anthracene
Concen: 29.644 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:228 Resp: 3352891

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	19.9	15.8	23.8



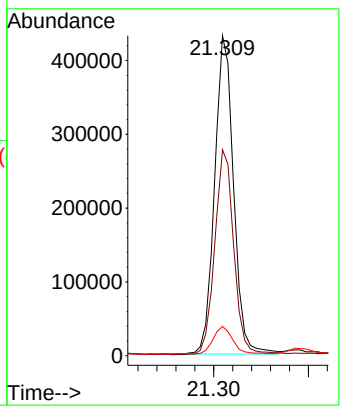


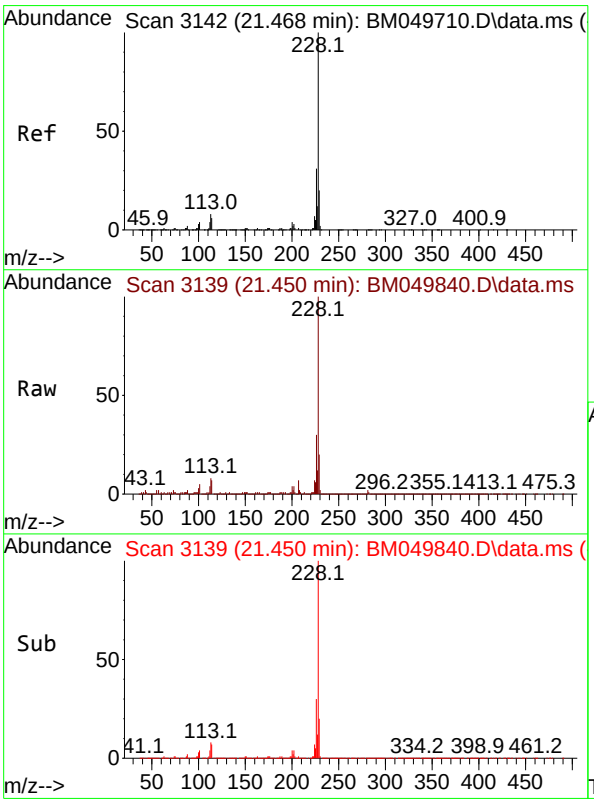
#82
3,3'-Dichlorobenzidine
Concen: 16.349 ng
RT: 21.309 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:252 Resp: 602033

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.0	76.4
126	9.1	6.3	9.5

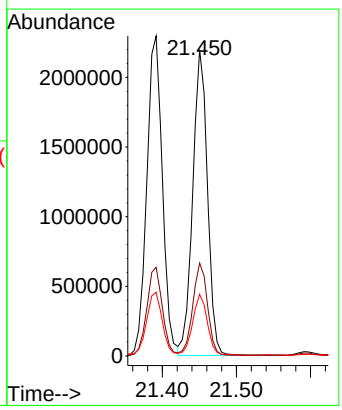


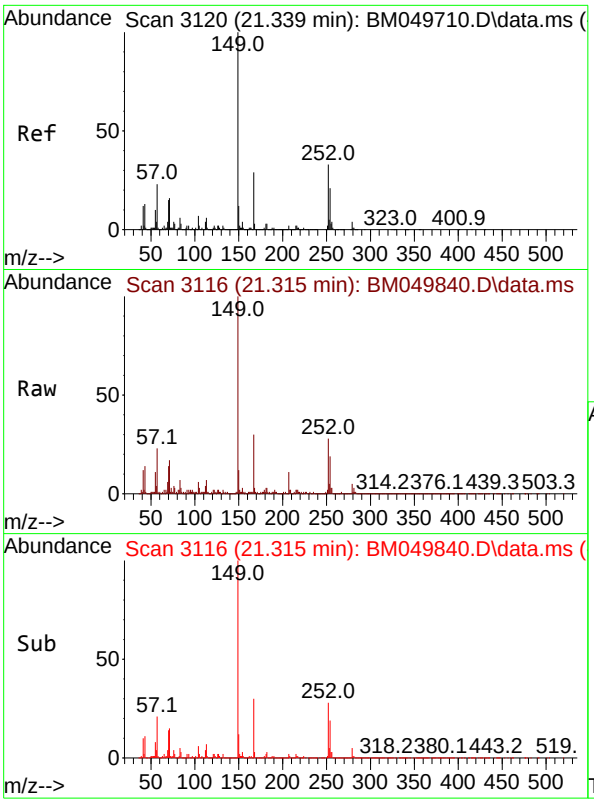


#83
Chrysene
Concen: 28.211 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.018 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:228 Resp: 3024622

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	20.1	15.8	23.6



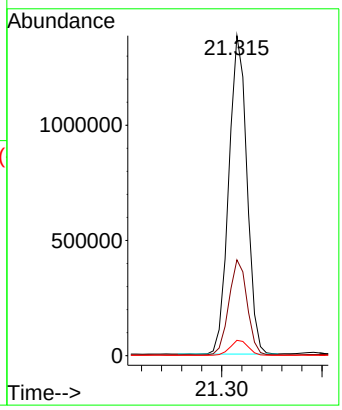


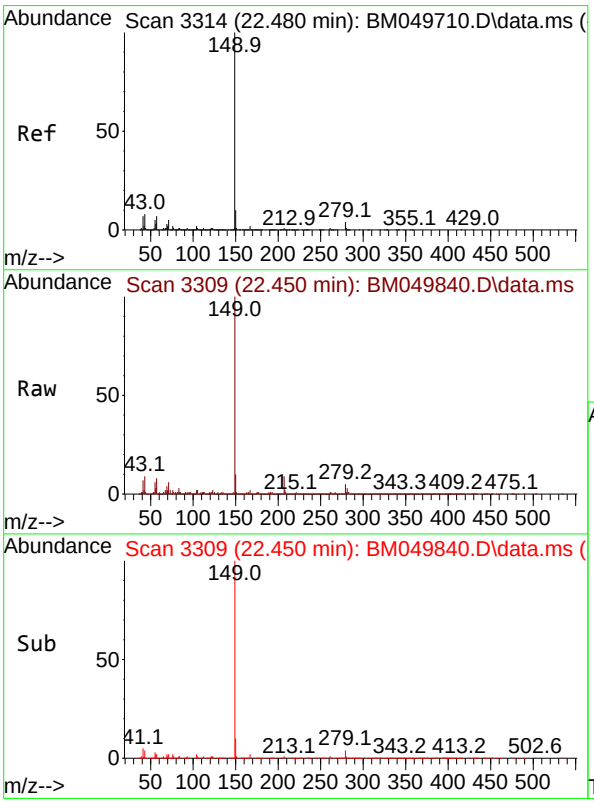
#84
Bis(2-ethylhexyl)phthalate
Concen: 30.373 ng
RT: 21.315 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:149 Resp: 1737937

Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.9	34.3
279	4.8	3.5	5.3

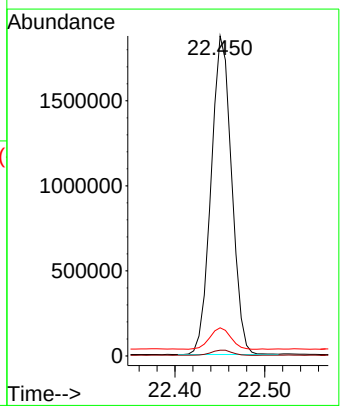


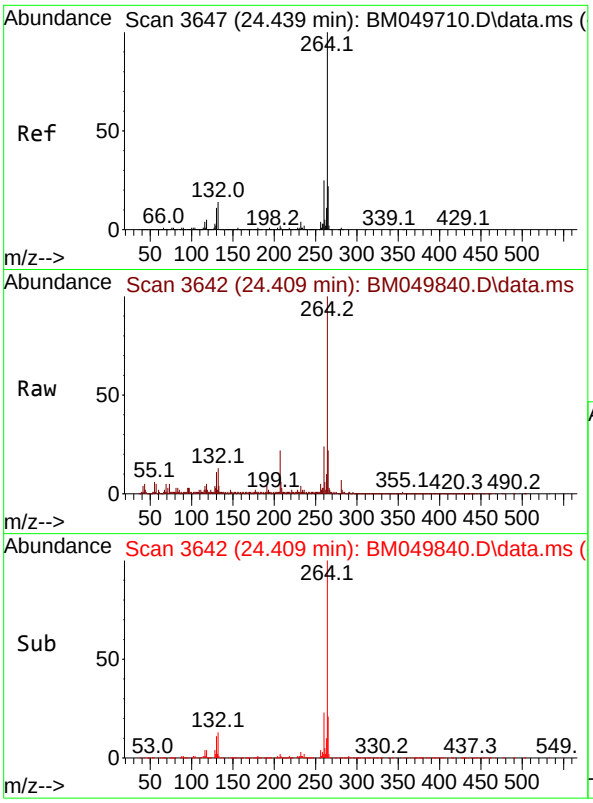


#85
Di-n-octyl phthalate
Concen: 33.551 ng
RT: 22.450 min Scan# 3309
Delta R.T. -0.030 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:149 Resp: 2983839

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	6.8	6.8	10.2#



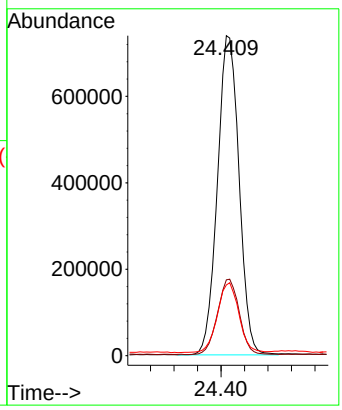


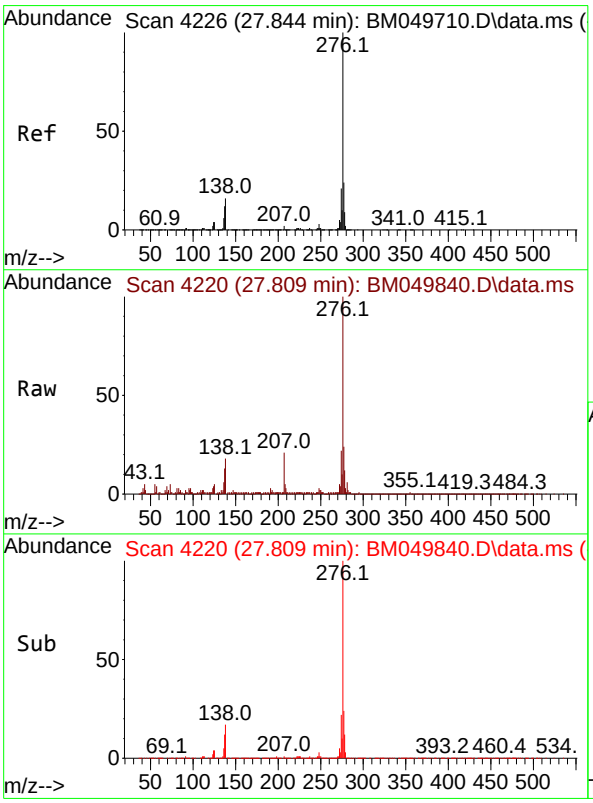
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:264 Resp: 1886435

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.1	18.2	27.2

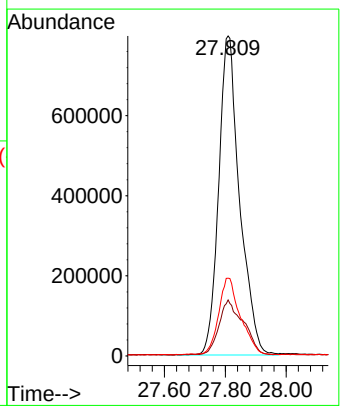


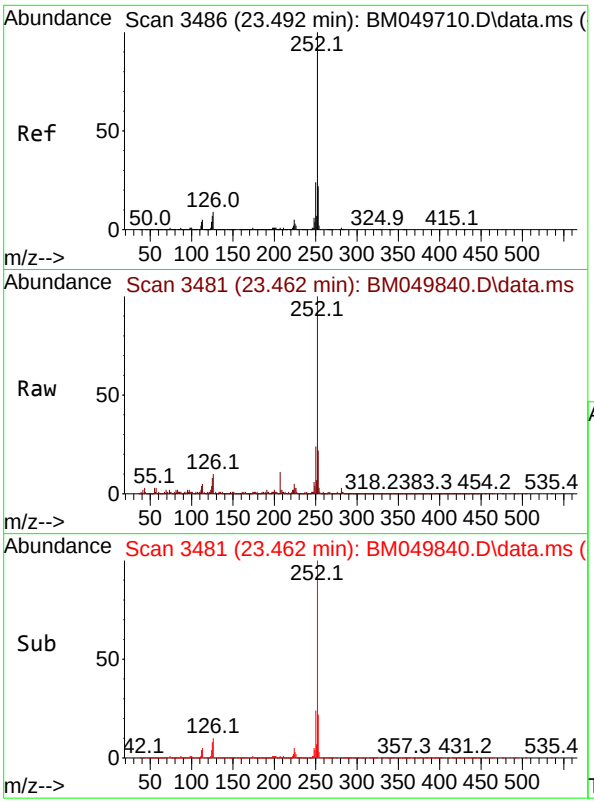


#87
Indeno(1,2,3-cd)pyrene
Concen: 28.095 ng
RT: 27.809 min Scan# 4220
Delta R.T. -0.036 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:276 Resp: 3814615

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.3	24.5
277	24.8	19.9	29.9



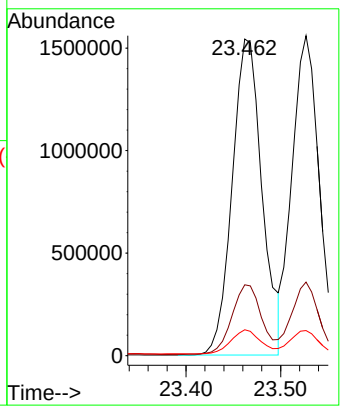


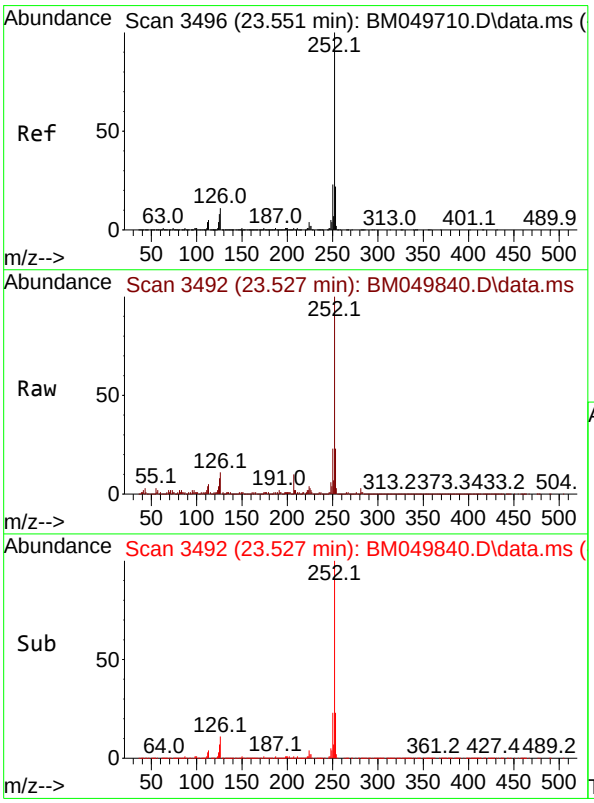
#88
Benzo(b)fluoranthene
Concen: 26.581 ng
RT: 23.462 min Scan# 34
Delta R.T. -0.030 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:252 Resp: 3377304

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	8.2	5.9	8.9

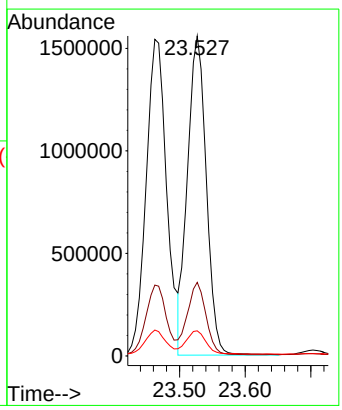


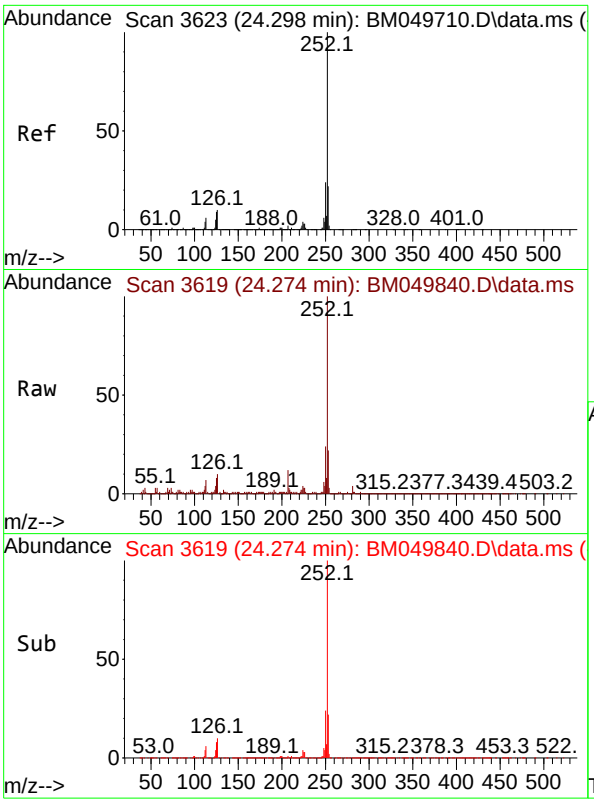


#89
Benzo(k)fluoranthene
Concen: 24.868 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:252 Resp: 3109134

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	7.9	6.2	9.2



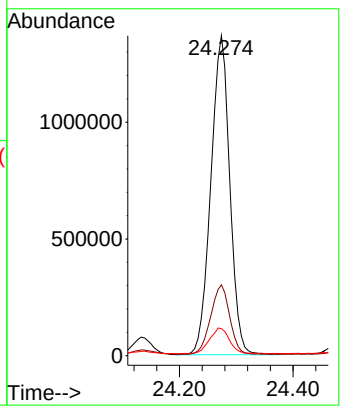


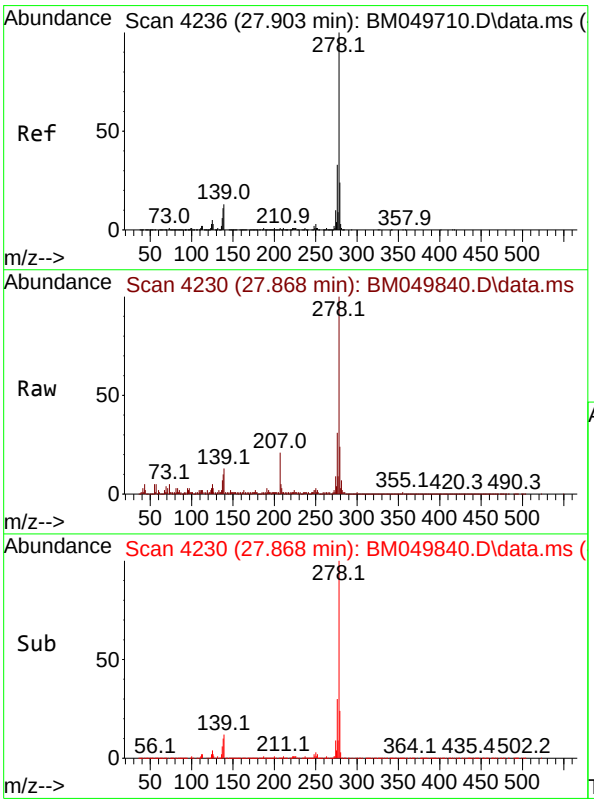
#90
Benzo(a)pyrene
Concen: 29.601 ng
RT: 24.274 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:252 Resp: 3159107

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	8.5	7.0	10.6

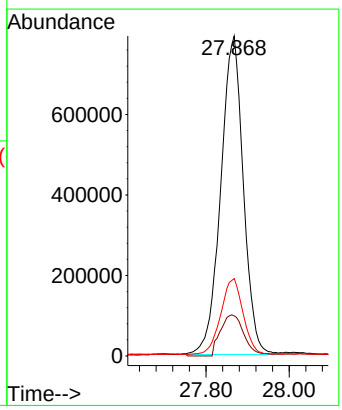


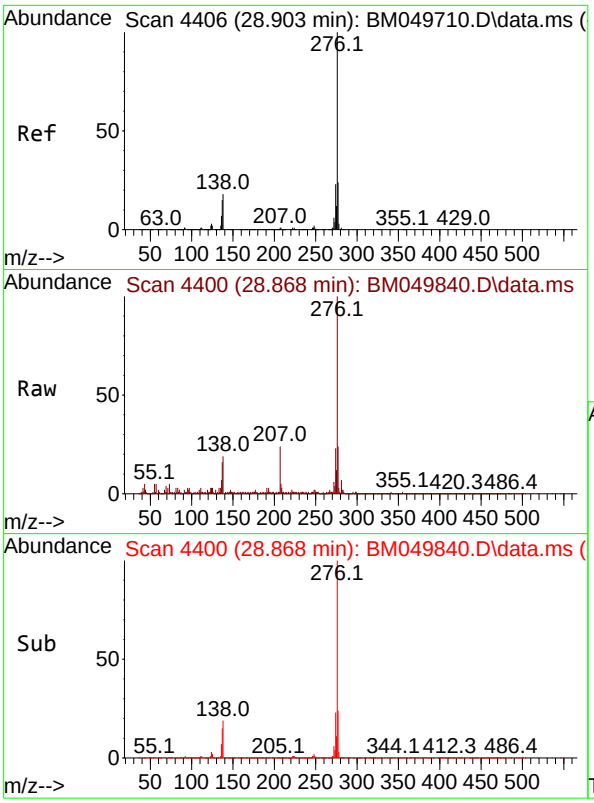


#91
Dibenzo(a,h)anthracene
Concen: 26.410 ng
RT: 27.868 min Scan# 4230
Delta R.T. -0.036 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Tgt Ion:278 Resp: 2987633

Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.1	15.1
279	24.2	19.1	28.7



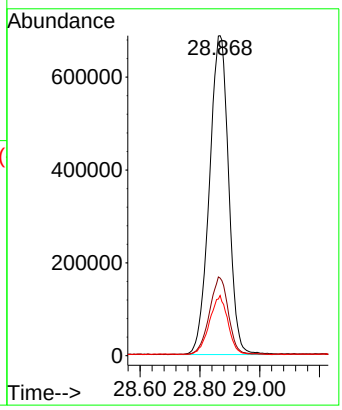


#92
Benzo(g,h,i)perylene
Concen: 26.906 ng
RT: 28.868 min Scan# 4
Delta R.T. -0.036 min
Lab File: BM049840.D
Acq: 07 Apr 2025 15:22

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MS

Tgt Ion:276 Resp: 3065814

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	18.8	14.0	21.0



Raw Data: **BM049841.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	04/03/25
Project:	Stockton	Date Received:	04/03/25
Client Sample ID:	AU-05-040325MSD	SDG No.:	Q1675
Lab Sample ID:	Q1721-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BM049841.D	2	04/04/25 10:32	04/07/25 16:02	PB167457

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1300		31.2	230	ug/Kg
91-57-6	2-Methylnaphthalene	1200		35.2	230	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	69.5		30 (18) - 130 (107)	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.3		30 (20) - 130 (109)	67%	SPK: 100
1718-51-0	Terphenyl-d14	61.8		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	369000	7.787			
1146-65-2	Naphthalene-d8	1280000	10.581			
15067-26-2	Acenaphthene-d10	803000	14.428			
1517-22-2	Phenanthrene-d10	1530000	17.169			
1719-03-5	Chrysene-d12	1540000	21.41			
1520-96-3	Perylene-d12	1730000	24.415			

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\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	368877	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1283324	20.000	ng		-0.02
39) Acenaphthene-d10	14.428	164	802650	20.000	ng		-0.02
64) Phenanthrene-d10	17.169	188	1533775	20.000	ng		-0.02
76) Chrysene-d12	21.410	240	1544485	20.000	ng		-0.02
86) Perylene-d12	24.415	264	1732654	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1210931	55.391	ng		-0.02
7) Phenol-d6	6.958	99	1498515	54.620	ng		-0.02
23) Nitrobenzene-d5	8.940	82	868593	34.750	ng		-0.02
42) 2,4,6-Tribromophenol	15.916	330	710977	75.857	ng		-0.02
45) 2-Fluorobiphenyl	13.045	172	2155380	33.630	ng		-0.02
79) Terphenyl-d14	19.792	244	2832951	30.909	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.270	88	189318	20.004	ng		98
3) Pyridine	3.670	79	529139	21.893	ng		97
4) n-Nitrosodimethylamine	3.575	42	220143	20.585	ng	#	86
6) Aniline	7.110	93	556961	24.232	ng		97
8) 2-Chlorophenol	7.352	128	645297	29.807	ng		97
9) Benzaldehyde	6.922	77	343247	25.308	ng		93
10) Phenol	6.987	94	755236	28.390	ng		94
11) bis(2-Chloroethyl)ether	7.205	93	575757	26.727	ng		96
12) 1,3-Dichlorobenzene	7.675	146	732678	27.848	ng		96
13) 1,4-Dichlorobenzene	7.822	146	734481	27.672	ng		97
14) 1,2-Dichlorobenzene	8.140	146	713298	28.278	ng		98
15) Benzyl Alcohol	8.022	79	496335	28.829	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	675021m	26.661	ng		
17) 2-Methylphenol	8.234	107	489726	31.008	ng		96
18) Hexachloroethane	8.863	117	242953	25.920	ng		91
19) n-Nitroso-di-n-propyla...	8.593	70	419971	26.399	ng		98
20) 3+4-Methylphenols	8.557	107	656796	31.032	ng		96
22) Acetophenone	8.604	105	853897	25.806	ng		98
24) Nitrobenzene	8.981	77	606481	25.732	ng		94
25) Isophorone	9.510	82	1151214	29.997	ng		97
26) 2-Nitrophenol	9.693	139	349379	34.828	ng		96
27) 2,4-Dimethylphenol	9.757	122	552266	43.251	ng		96
28) bis(2-Chloroethoxy)met...	9.987	93	731619	27.067	ng		99
29) 2,4-Dichlorophenol	10.234	162	660103	31.726	ng		97
30) 1,2,4-Trichlorobenzene	10.446	180	727179	27.934	ng		98
31) Naphthalene	10.628	128	1809880	27.427	ng		100
32) Benzoic acid	9.857	122	44923m	4.137	ng		
33) 4-Chloroaniline	10.740	127	499624	22.185	ng		97
34) Hexachlorobutadiene	10.922	225	455382	28.337	ng		98
35) Caprolactam	11.516	113	173517	35.920	ng		89
36) 4-Chloro-3-methylphenol	11.869	107	553591	31.004	ng		98
37) 2-Methylnaphthalene	12.245	142	1187231	25.730	ng		99
38) 1-Methylnaphthalene	12.463	142	1229265	27.612	ng		100
40) 1,2,4,5-Tetrachloroben...	12.616	216	799730	27.125	ng		99
41) Hexachlorocyclopentadiene	12.598	237	115800	10.602	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	584269	35.384	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

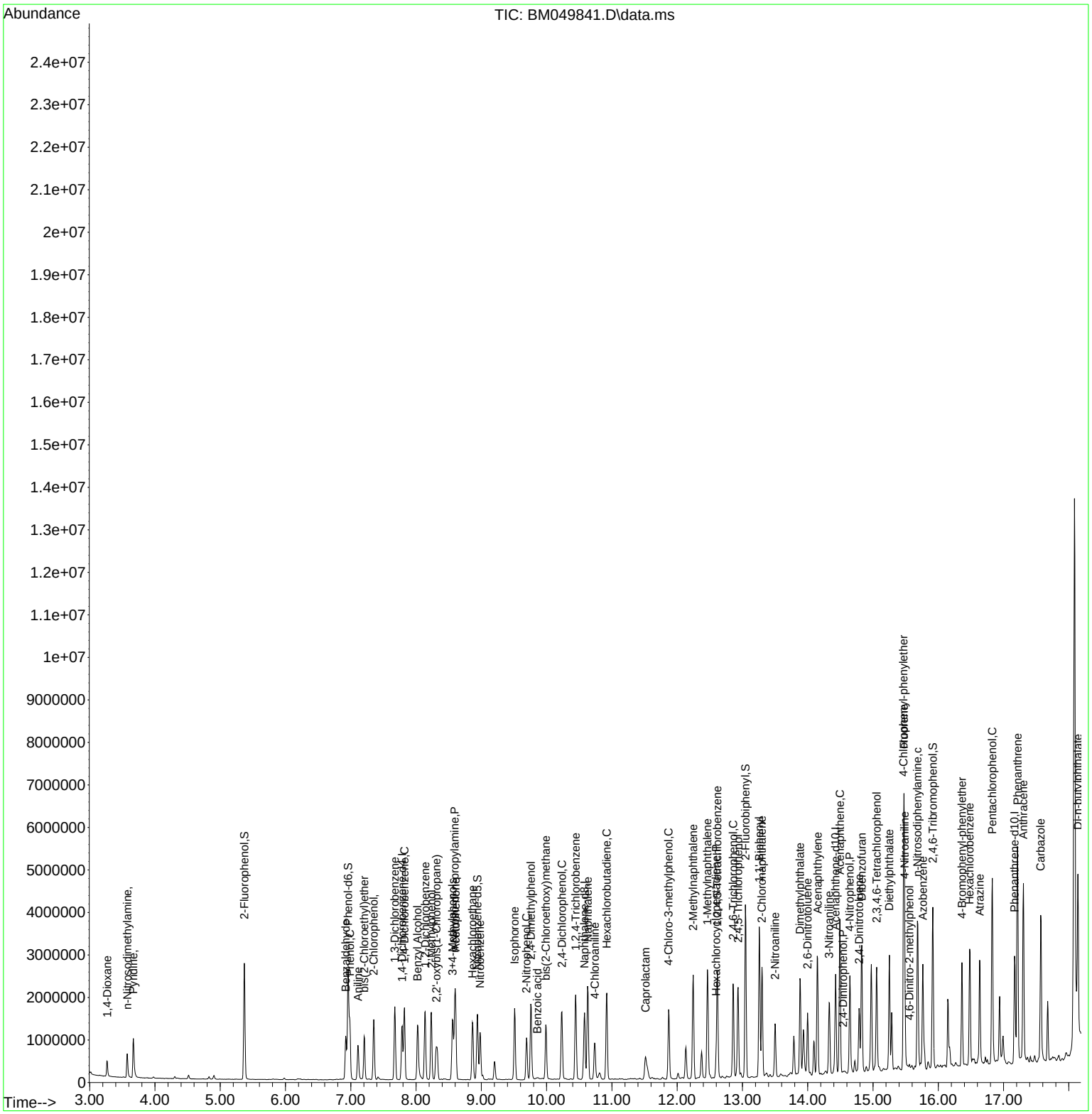
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	625465	34.711	ng		98
46) 1,1'-Biphenyl	13.257	154	1713141	27.693	ng		99
47) 2-Chloronaphthalene	13.298	162	1344485	27.922	ng		99
48) 2-Nitroaniline	13.498	65	317057	29.332	ng		91
49) Acenaphthylene	14.151	152	2065672	30.692	ng		99
50) Dimethylphthalate	13.881	163	1574344	28.489	ng		100
51) 2,6-Dinitrotoluene	13.998	165	327121	29.543	ng		88
52) Acenaphthene	14.492	154	1274700	28.874	ng		98
53) 3-Nitroaniline	14.328	138	296063	28.098	ng		95
54) 2,4-Dinitrophenol	14.539	184	6233	4.524	ng	#	87
55) Dibenzofuran	14.828	168	2061694	28.026	ng		98
56) 4-Nitrophenol	14.645	139	636380	69.383	ng		89
57) 2,4-Dinitrotoluene	14.786	165	442642	31.066	ng		92
58) Fluorene	15.475	166	1744955	29.134	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.057	232	532004m	35.271	ng		
60) Diethylphthalate	15.251	149	1487883	28.587	ng		97
61) 4-Chlorophenyl-phenyle...	15.469	204	857672	26.224	ng		95
62) 4-Nitroaniline	15.486	138	343901	29.041	ng		91
63) Azobenzene	15.763	77	1325193	26.656	ng		94
65) 4,6-Dinitro-2-methylph...	15.557	198	20773	5.936	ng	#	68
66) n-Nitrosodiphenylamine	15.680	169	1370027	29.482	ng		98
67) 4-Bromophenyl-phenylether	16.363	248	512850	28.961	ng		99
68) Hexachlorobenzene	16.480	284	586199	29.437	ng		99
69) Atrazine	16.633	200	478186	46.692	ng		99
70) Pentachlorophenol	16.827	266	862396	68.913	ng		98
71) Phenanthrene	17.216	178	3279776	38.510	ng		99
72) Anthracene	17.304	178	2687250	32.581	ng		100
73) Carbazole	17.569	167	2309010	30.912	ng		100
74) Di-n-butylphthalate	18.139	149	2540858	31.035	ng		99
75) Fluoranthene	19.227	202	3672649	37.456	ng		99
77) Benzidine	19.410	184	549114	29.593	ng	#	84
78) Pyrene	19.592	202	3620268	33.550	ng		100
80) Butylbenzylphthalate	20.492	149	1120117	33.449	ng		95
81) Benzo(a)anthracene	21.392	228	3330942	32.289	ng		100
82) 3,3'-Dichlorobenzidine	21.315	252	657250	19.569	ng		98
83) Chrysene	21.451	228	3025428	30.938	ng		99
84) Bis(2-ethylhexyl)phtha...	21.315	149	1678514	32.162	ng		98
85) Di-n-octyl phthalate	22.457	149	2934404	36.176	ng	#	96
87) Indeno(1,2,3-cd)pyrene	27.815	276	3786957	30.366	ng		99
88) Benzo(b)fluoranthene	23.468	252	3326545	28.505	ng		98
89) Benzo(k)fluoranthene	23.533	252	3164065	27.554	ng		98
90) Benzo(a)pyrene	24.274	252	3150499	32.140	ng		98
91) Dibenzo(a,h)anthracene	27.874	278	2981571	28.696	ng		99
92) Benzo(g,h,i)perylene	28.880	276	3072357	29.356	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

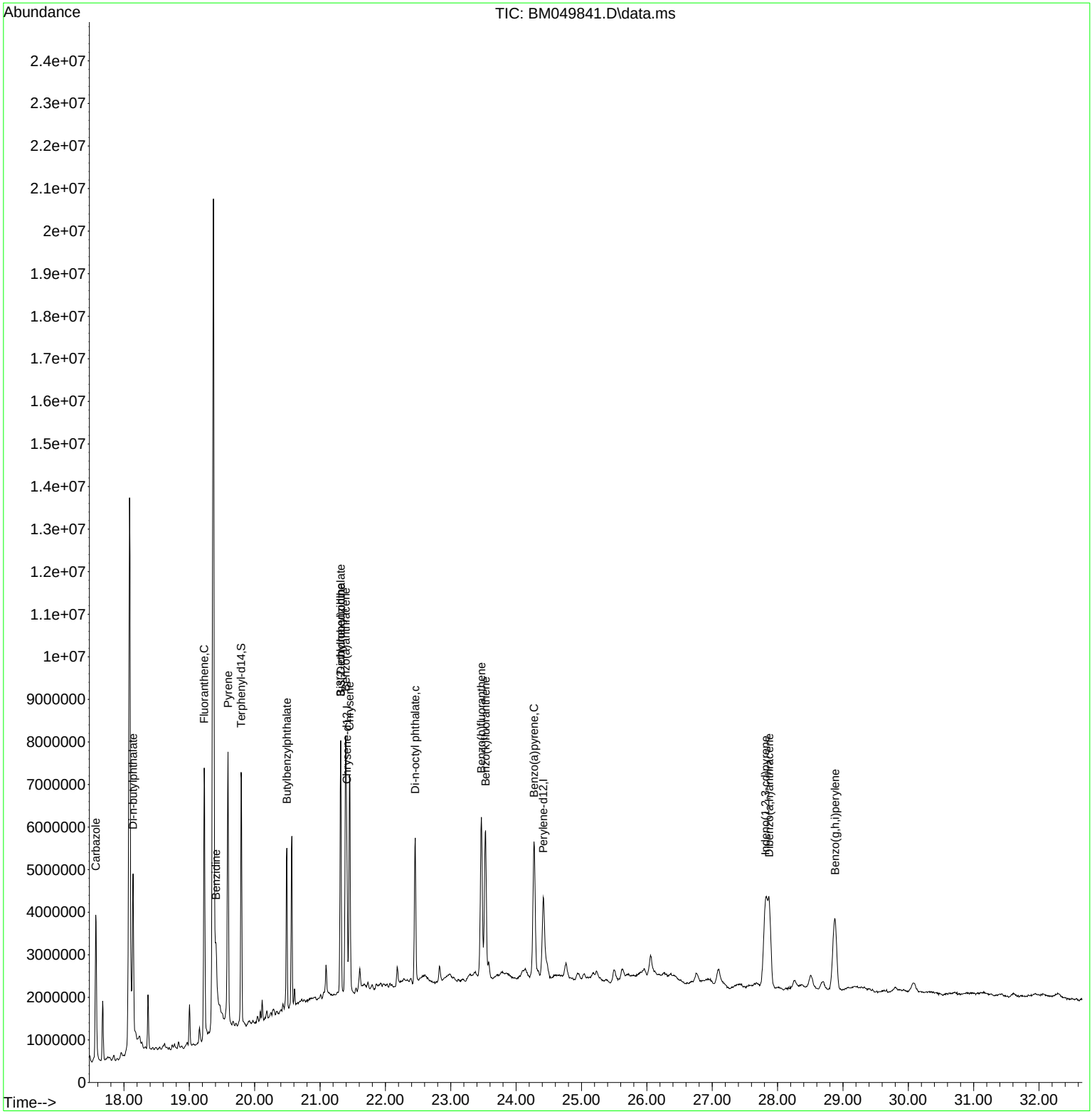


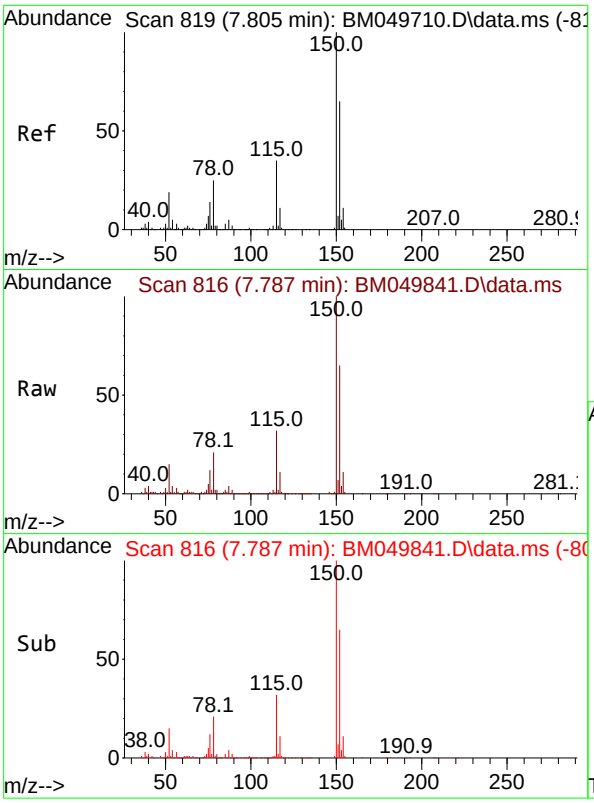
Sample Results: **BM049841.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049841.D
Acq On : 07 Apr 2025 16:02
Operator : RC/JU
Sample : Q1721-02MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Quant Time: Apr 07 16:43:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



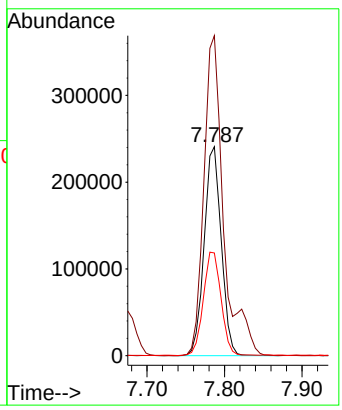


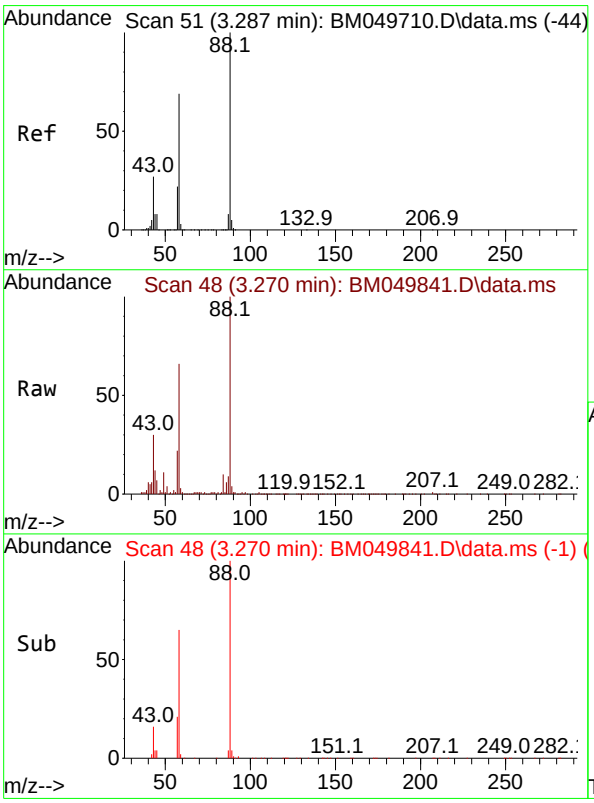
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:152 Resp: 368877

Ion	Ratio	Lower	Upper
152	100		
150	153.1	123.8	185.8
115	49.2	43.0	64.6

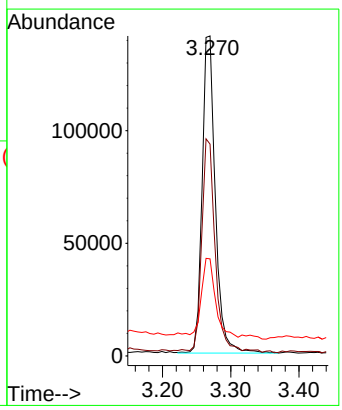


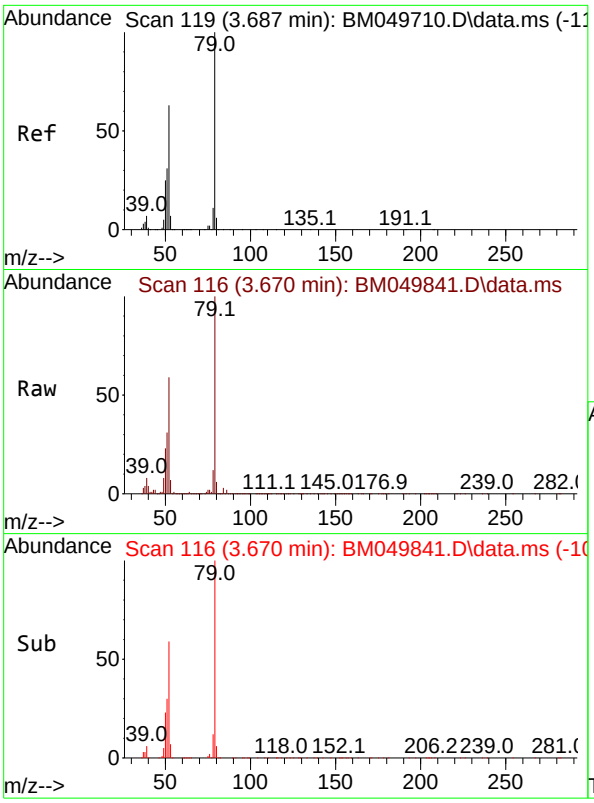


#2
1,4-Dioxane
Concen: 20.004 ng
RT: 3.270 min Scan# 48
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion: 88 Resp: 189318

Ion	Ratio	Lower	Upper
88	100		
58	69.7	56.7	85.1
43	26.2	22.6	34.0



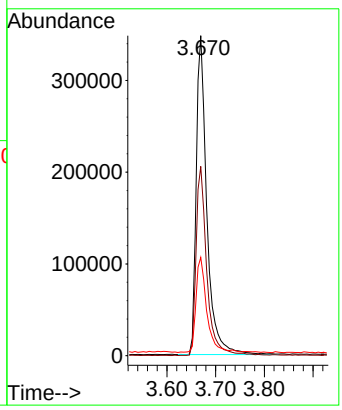


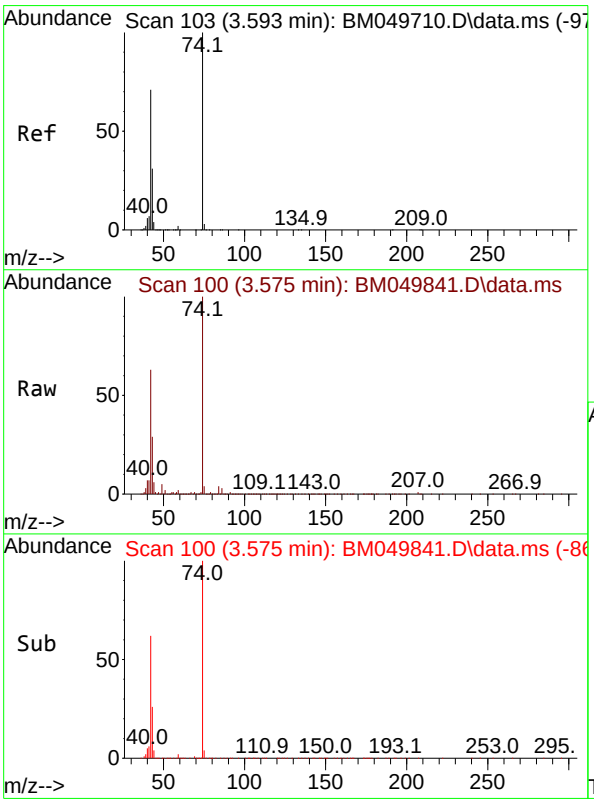
#3
Pyridine
Concen: 21.893 ng
RT: 3.670 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 79 Resp: 529139

Ion	Ratio	Lower	Upper
79	100		
52	59.1	50.1	75.1
51	30.7	25.2	37.8

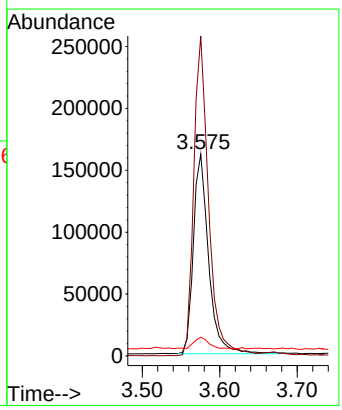


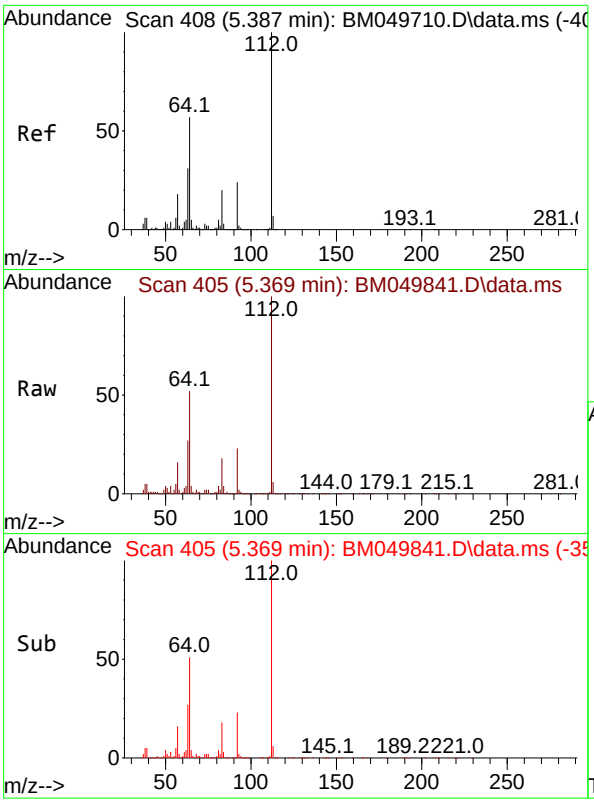


#4
n-Nitrosodimethylamine
Concen: 20.585 ng
RT: 3.575 min Scan# 100
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion: 42 Resp: 220143

Ion	Ratio	Lower	Upper
42	100		
74	158.5	112.6	168.8
44	9.3	5.0	7.6#



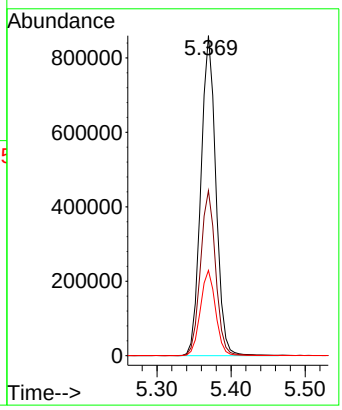


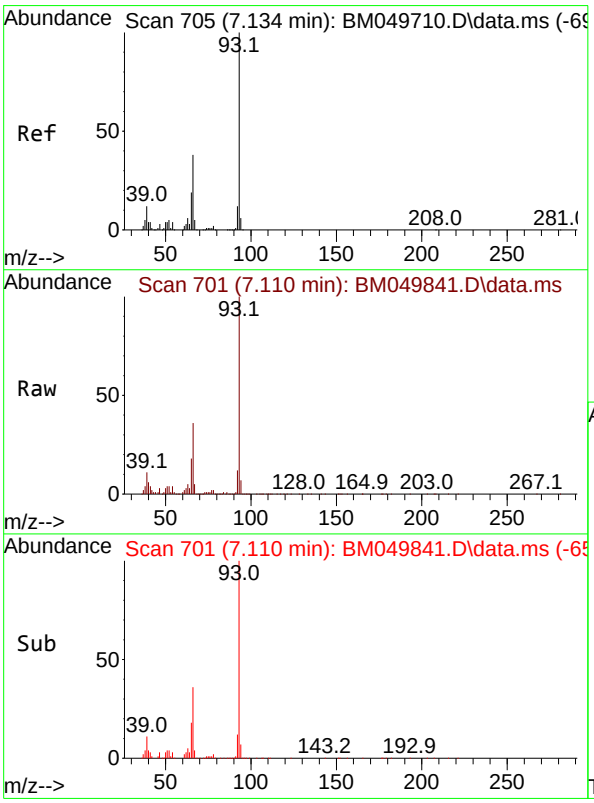
#5
2-Fluorophenol
Concen: 55.391 ng
RT: 5.369 min Scan# 40
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:112 Resp: 1210931

Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.3	67.9
63	26.7	24.4	36.6

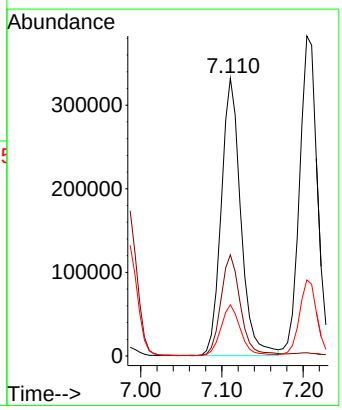


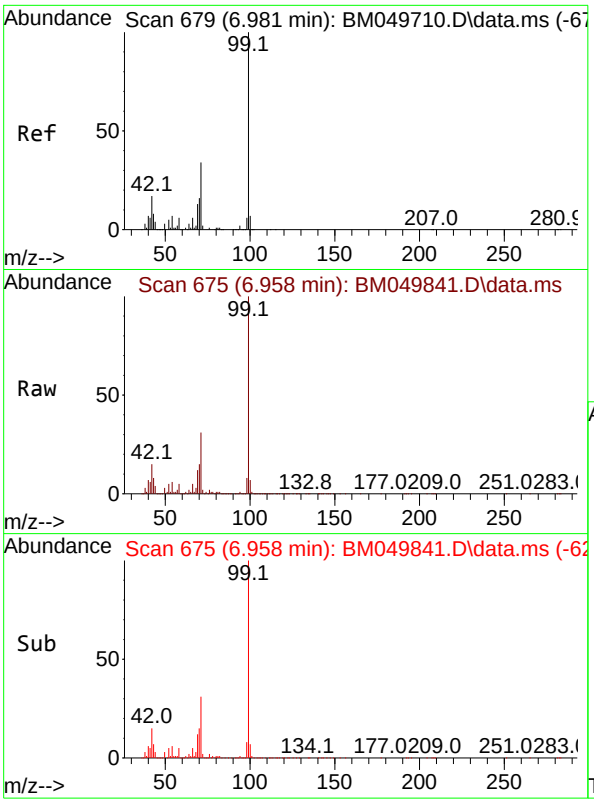


#6
Aniline
Concen: 24.232 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion: 93 Resp: 556961

Ion	Ratio	Lower	Upper
93	100		
66	36.4	30.6	46.0
65	18.5	15.4	23.2



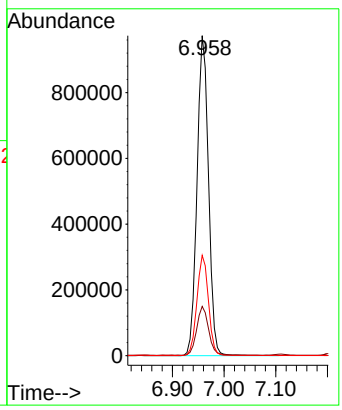


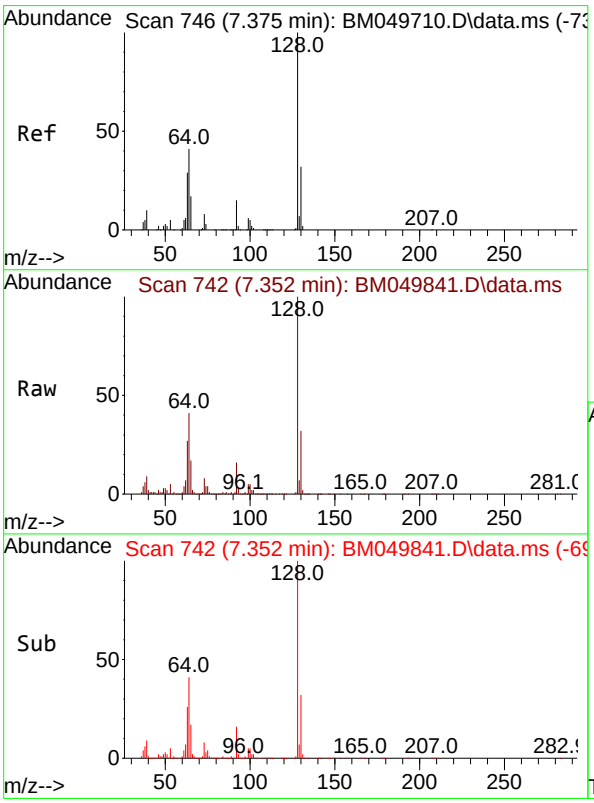
#7
Phenol-d6
Concen: 54.620 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 99 Resp: 1498515

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.6	20.4
71	31.4	27.0	40.6

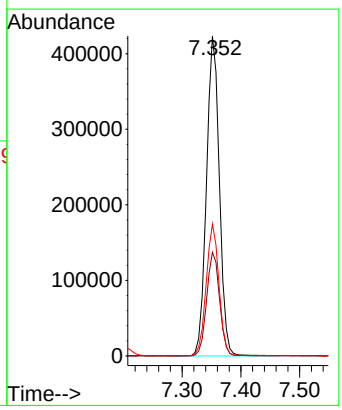


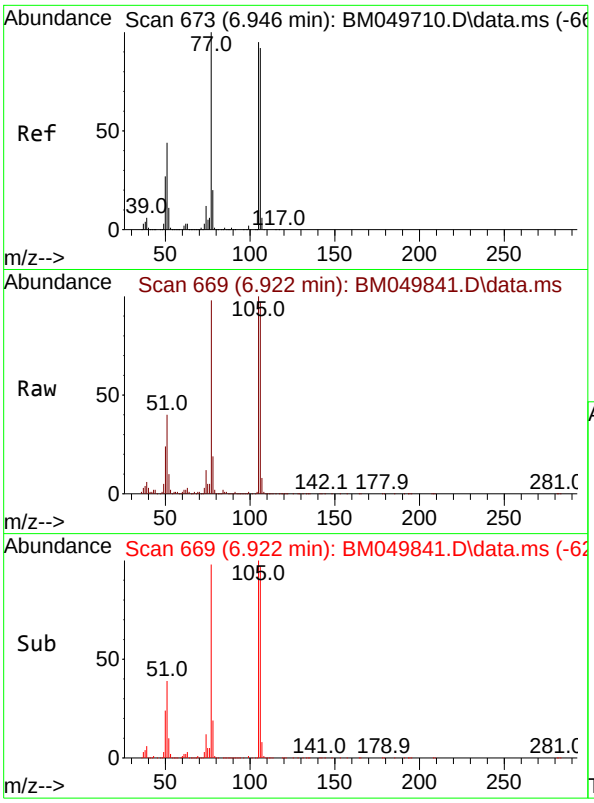


#8
2-Chlorophenol
Concen: 29.807 ng
RT: 7.352 min Scan# 742
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:128 Resp: 645297

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.5	52.5
64	41.3	24.9	64.9



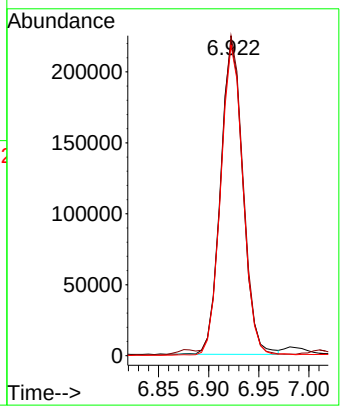


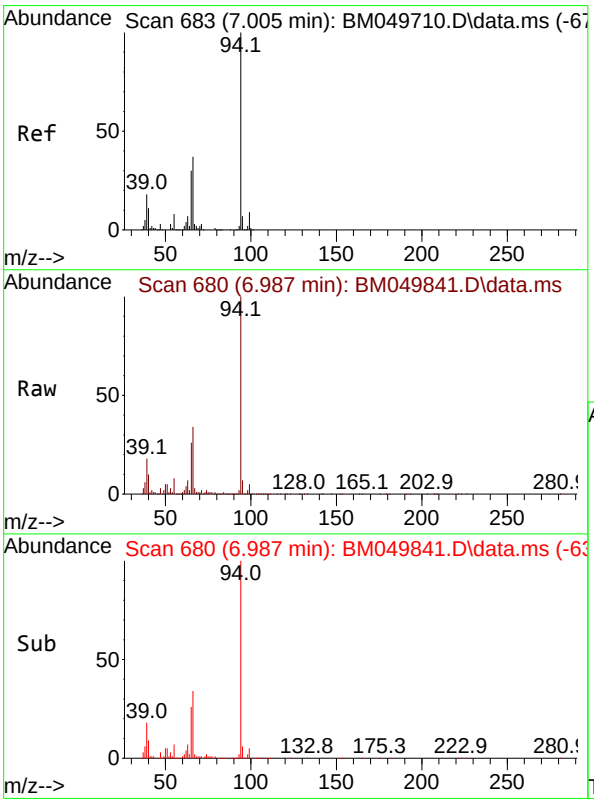
#9
Benzaldehyde
Concen: 25.308 ng
RT: 6.922 min Scan# 6(
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 77 Resp: 343247

Ion	Ratio	Lower	Upper
77	100		
105	102.0	75.0	115.0
106	99.0	72.3	112.3

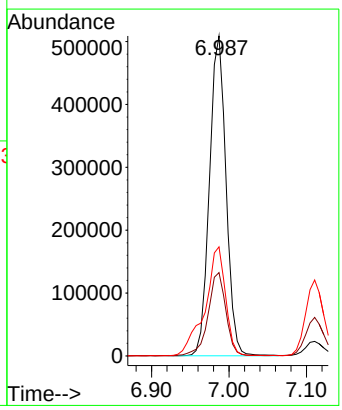


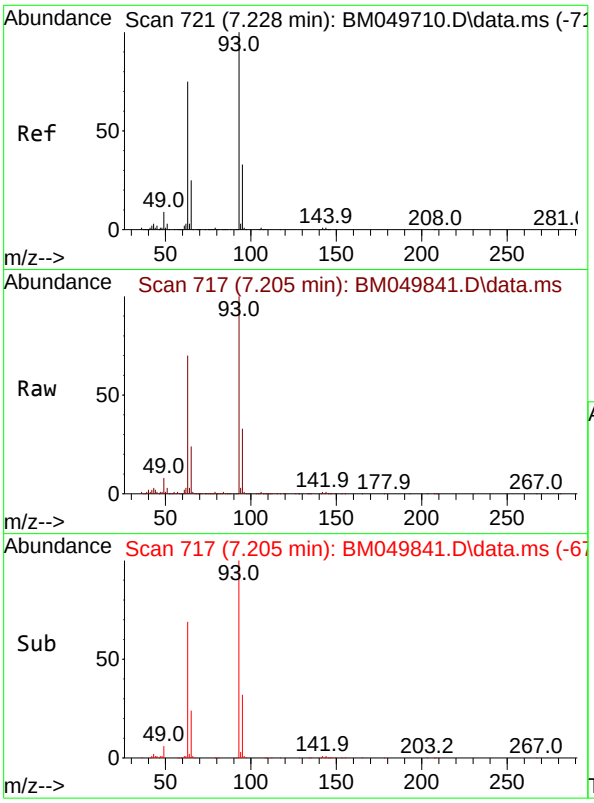


#10
Phenol
Concen: 28.390 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion: 94 Resp: 755236

Ion	Ratio	Lower	Upper
94	100		
65	26.0	10.4	50.4
66	34.1	17.1	57.1



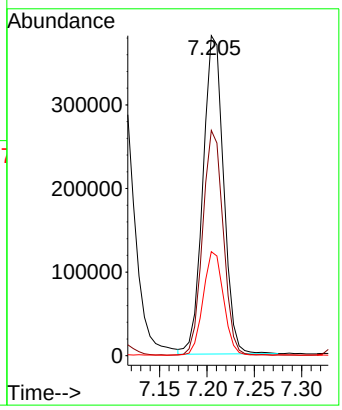


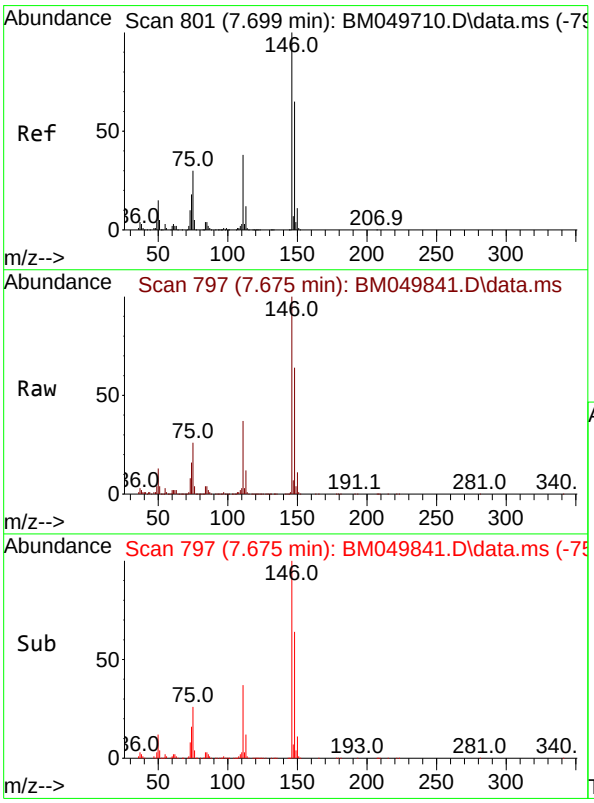
#11
bis(2-Chloroethyl)ether
Concen: 26.727 ng
RT: 7.205 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 93 Resp: 575757

Ion	Ratio	Lower	Upper
93	100		
63	70.4	54.8	94.8
95	32.5	12.8	52.8

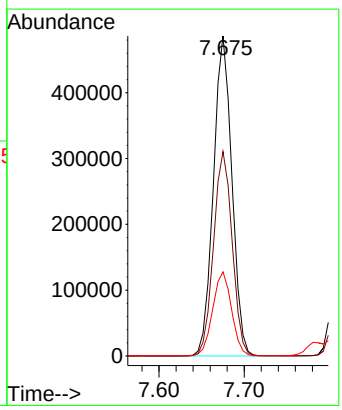


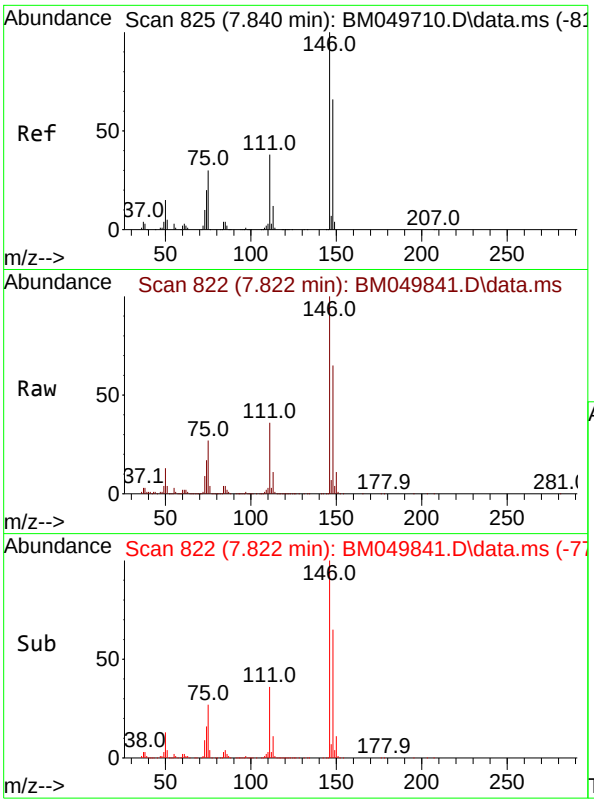


#12
1,3-Dichlorobenzene
Concen: 27.848 ng
RT: 7.675 min Scan# 797
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:146 Resp: 732678

Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.3	78.5
75	26.3	24.2	36.2



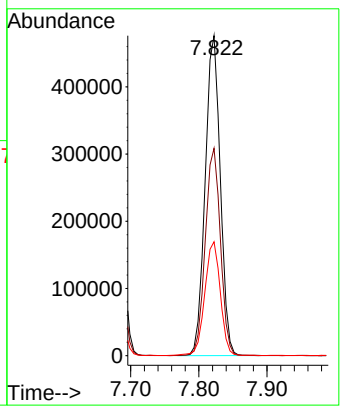


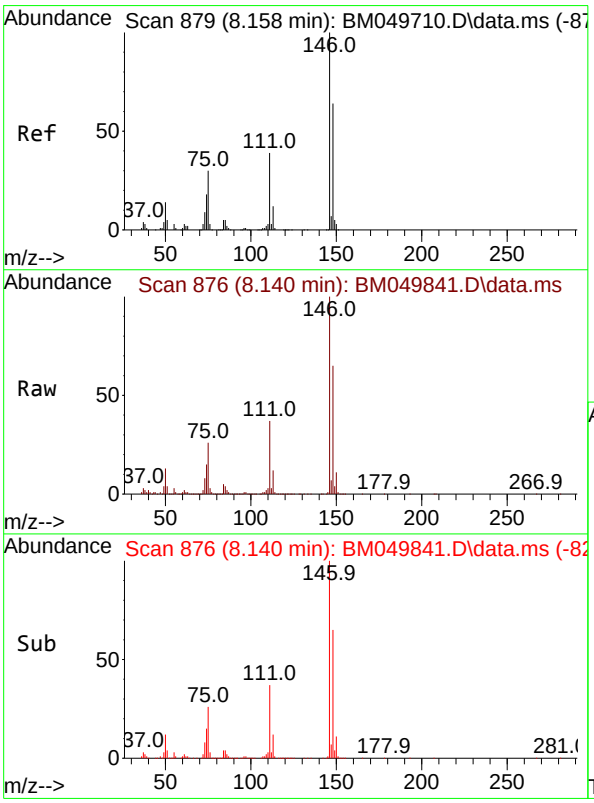
#13
1,4-Dichlorobenzene
Concen: 27.672 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:146 Resp: 734481

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.6	79.0
111	35.6	30.8	46.2

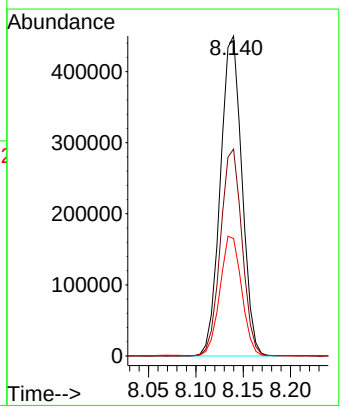


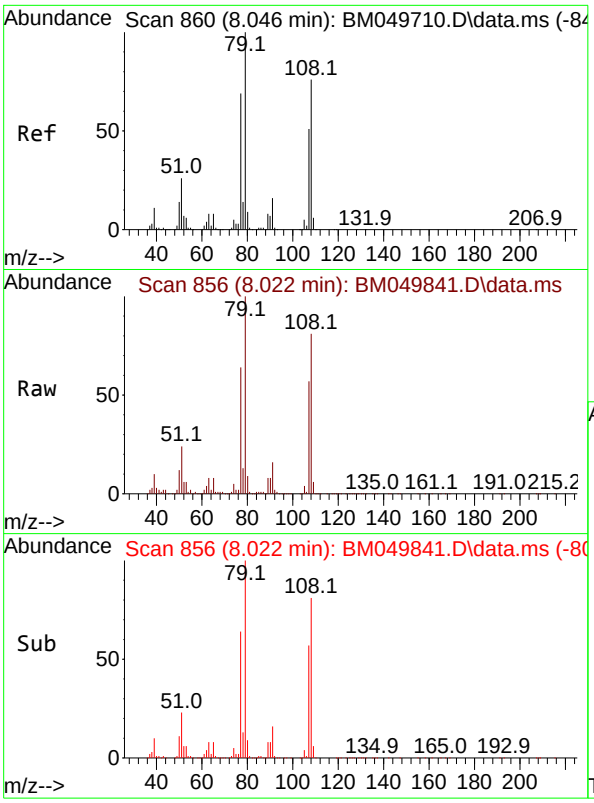


#14
1,2-Dichlorobenzene
Concen: 28.278 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:146 Resp: 713298

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.9	76.3
111	36.7	31.0	46.6



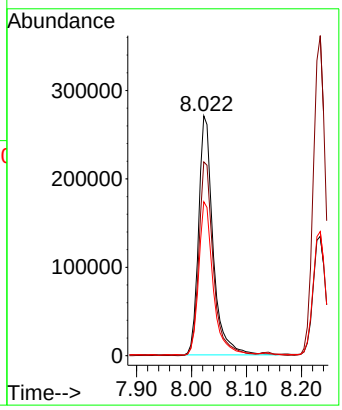


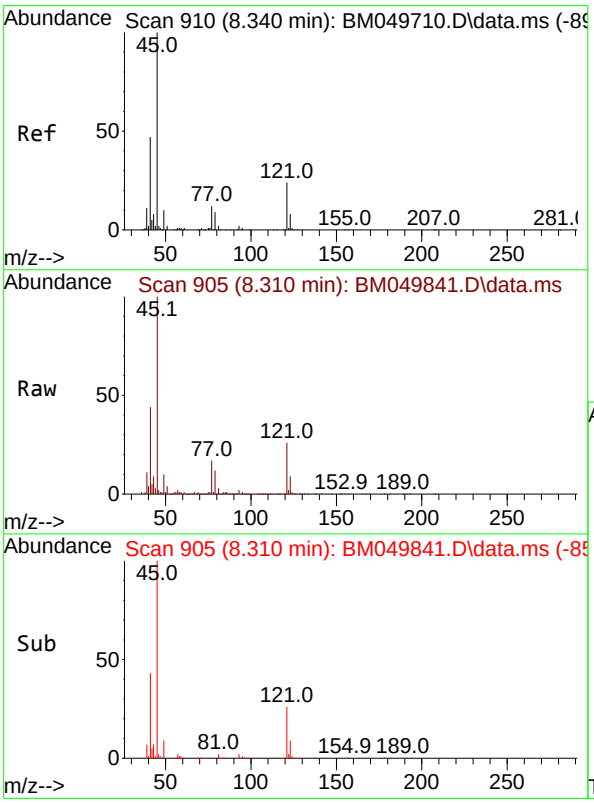
#15
Benzyl Alcohol
Concen: 28.829 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 79 Resp: 496335

Ion	Ratio	Lower	Upper
79	100		
108	80.8	60.7	91.1
77	64.2	55.4	83.2

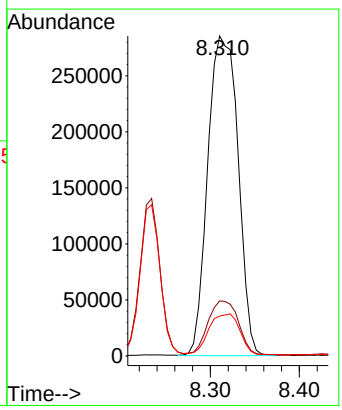


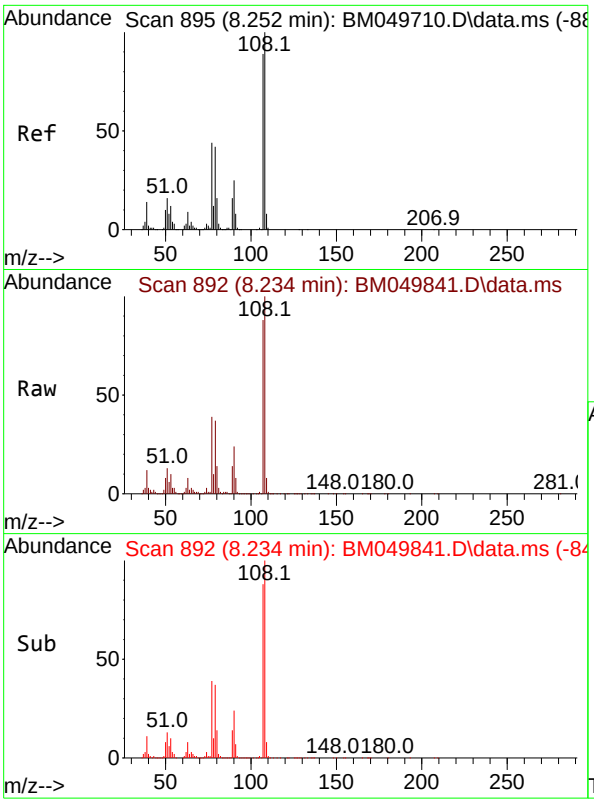


#16
2,2'-oxybis(1-Chloropropane)
Concen: 26.661 ng m
RT: 8.310 min Scan# 905
Delta R.T. -0.029 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion: 45 Resp: 675021

Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	36.1
79	12.4	0.0	32.8



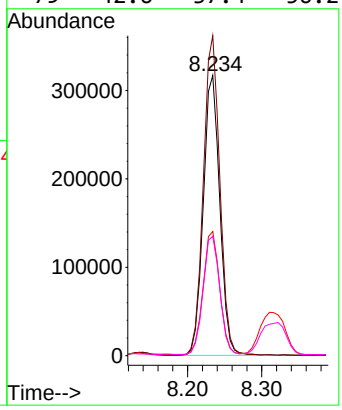


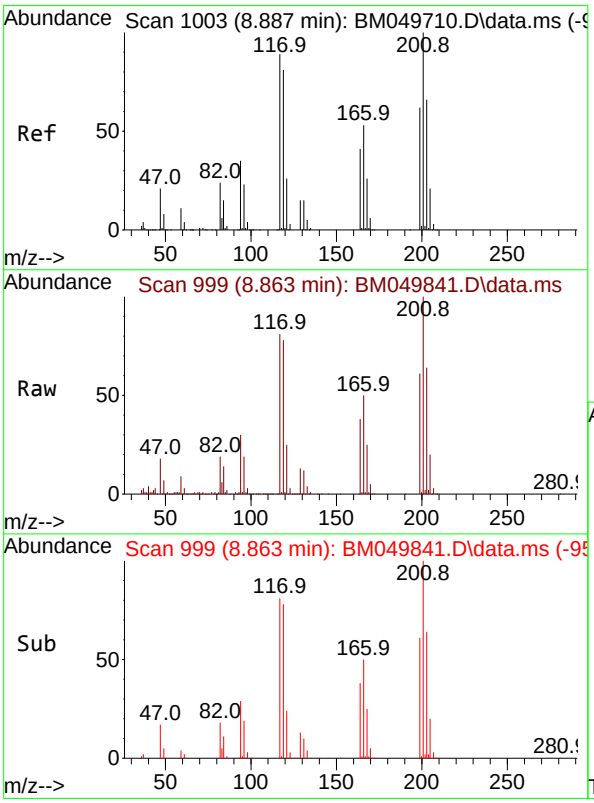
#17
2-Methylphenol
Concen: 31.008 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:107 Resp: 489726

Ion	Ratio	Lower	Upper
107	100		
108	114.2	89.6	134.4
77	44.3	39.8	59.6
79	42.6	37.4	56.2

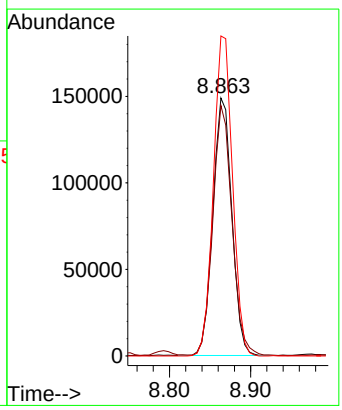


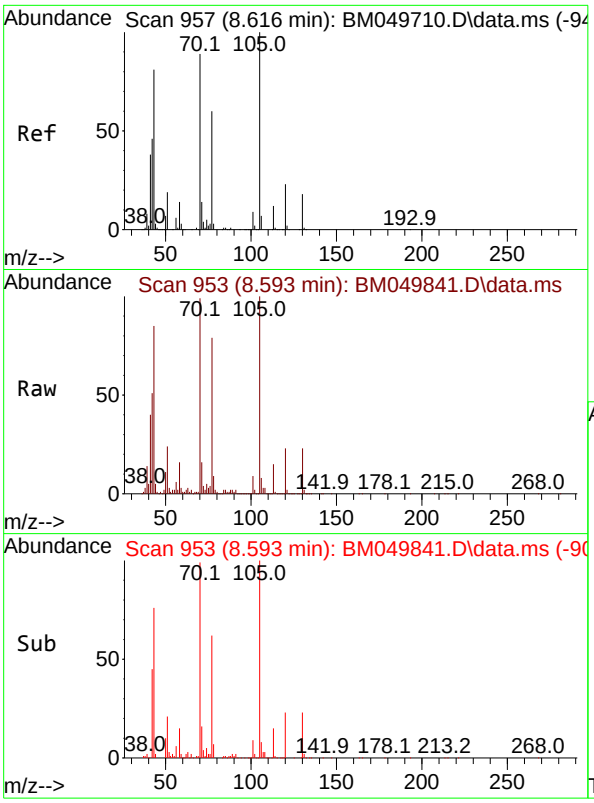


#18
Hexachloroethane
Concen: 25.920 ng
RT: 8.863 min Scan# 999
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:117 Resp: 242953

Ion	Ratio	Lower	Upper
117	100		
119	97.0	73.1	109.7
201	124.0	90.0	135.0



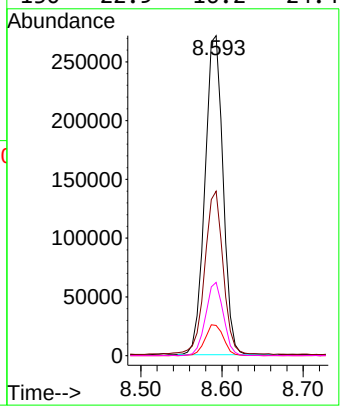


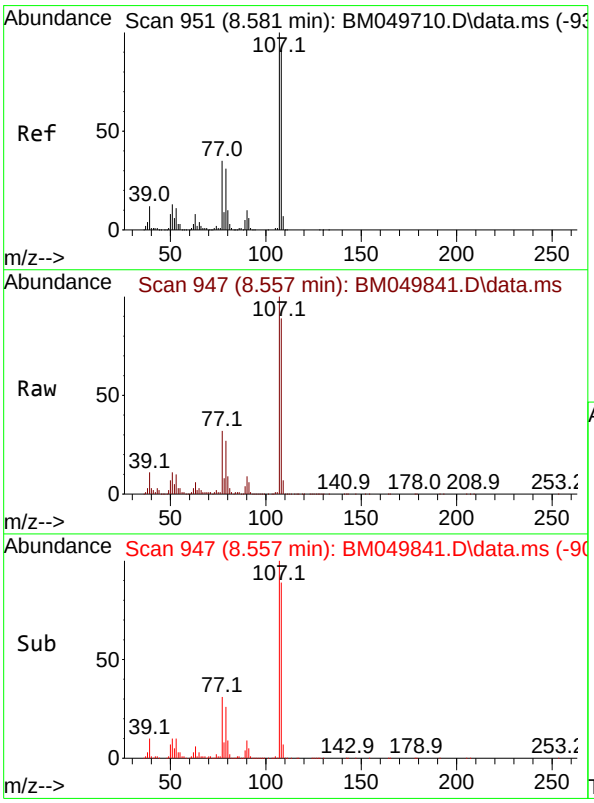
#19
n-Nitroso-di-n-propylamine
Concen: 26.399 ng
RT: 8.593 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 70 Resp: 419971

Ion	Ratio	Lower	Upper
70	100		
42	51.4	41.8	62.6
101	9.4	7.7	11.5
130	22.9	16.2	24.4

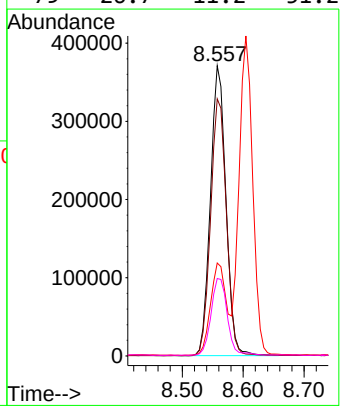


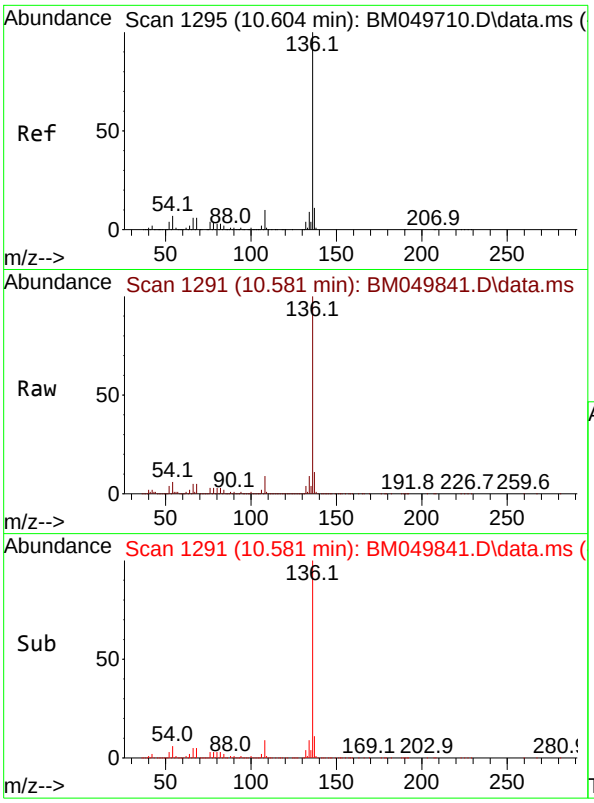


#20
3+4-Methylphenols
Concen: 31.032 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:107 Resp: 656796

Ion	Ratio	Lower	Upper
107	100		
108	88.6	71.0	111.0
77	32.0	15.1	55.1
79	26.7	11.2	51.2



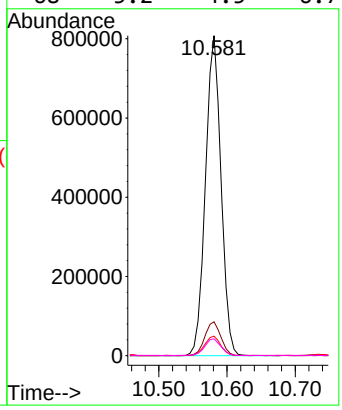


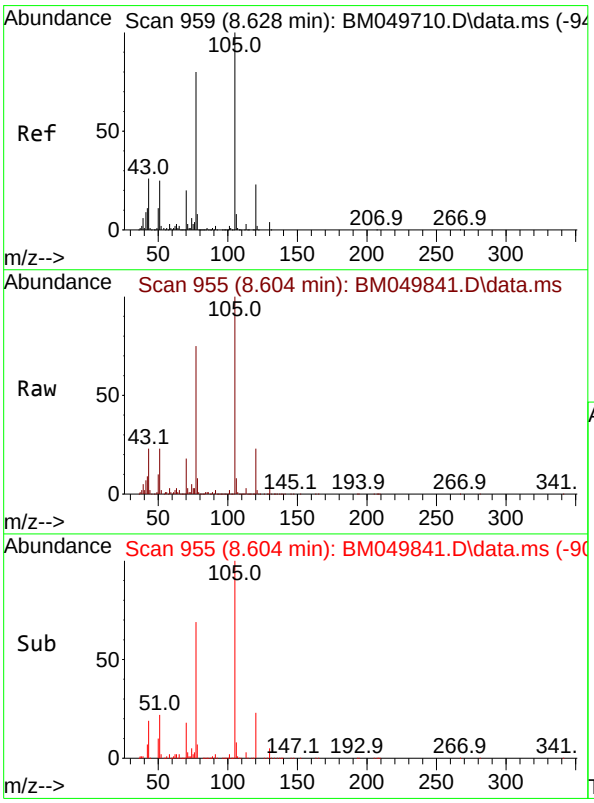
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:136 Resp: 1283324

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	6.1	5.8	8.8
68	5.2	4.5	6.7

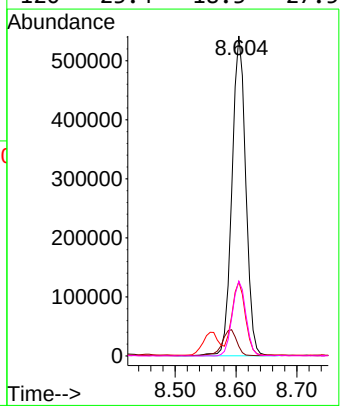


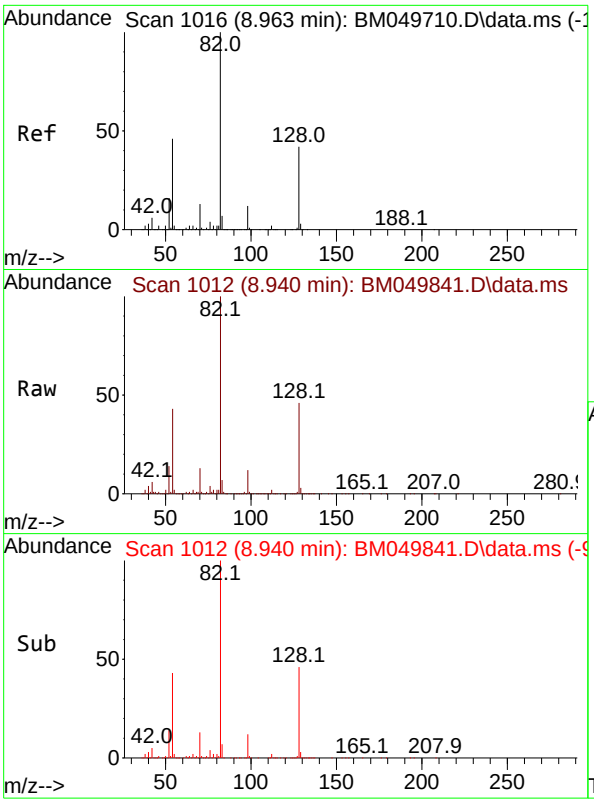


#22
Acetophenone
Concen: 25.806 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:105 Resp: 853897

Ion	Ratio	Lower	Upper
105	100		
71	3.0	2.5	3.7
51	23.2	19.9	29.9
120	23.4	18.3	27.5



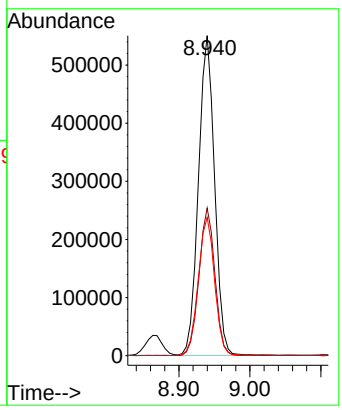


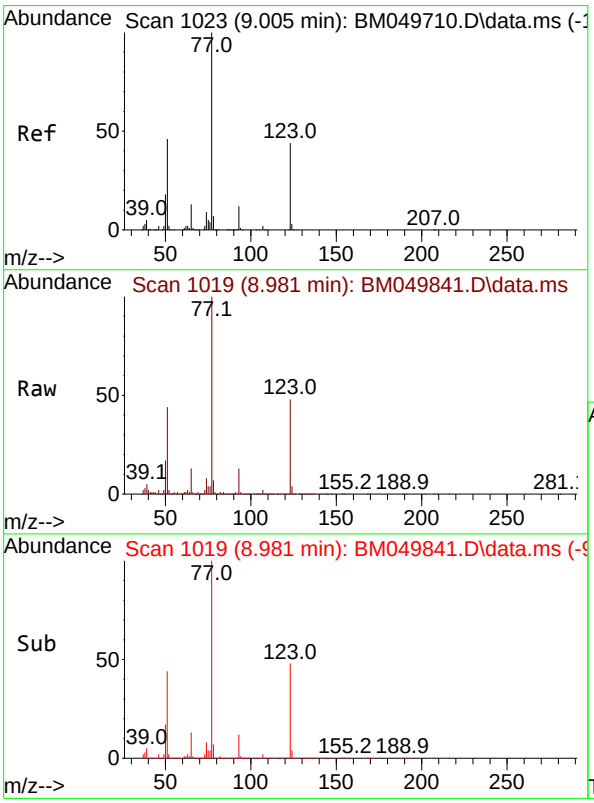
#23
Nitrobenzene-d5
Concen: 34.750 ng
RT: 8.940 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 82 Resp: 868593

Ion	Ratio	Lower	Upper
82	100		
128	46.1	33.4	50.0
54	43.2	36.4	54.6

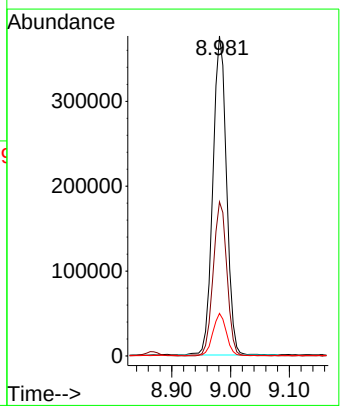


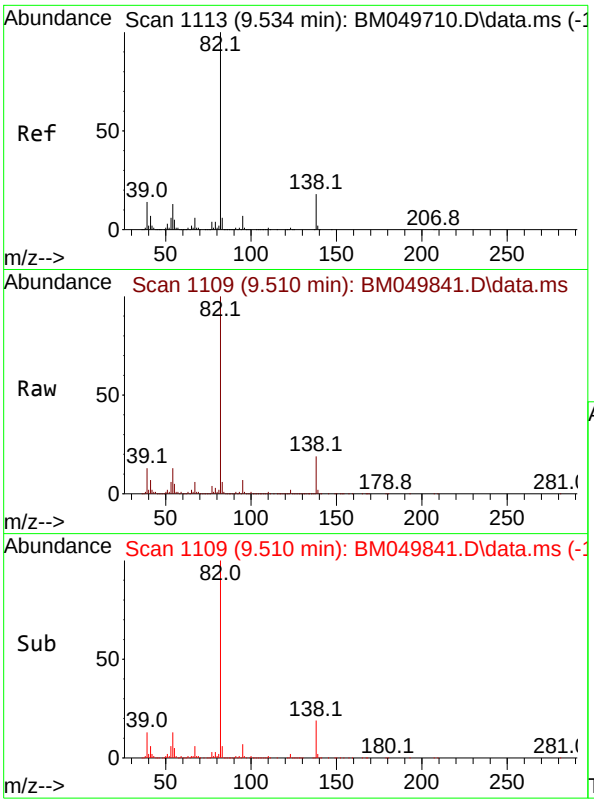


#24
Nitrobenzene
Concen: 25.732 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion: 77 Resp: 606481

Ion	Ratio	Lower	Upper
77	100		
123	48.2	34.9	52.3
65	13.3	10.6	15.8



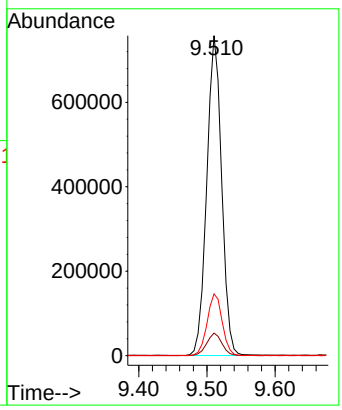


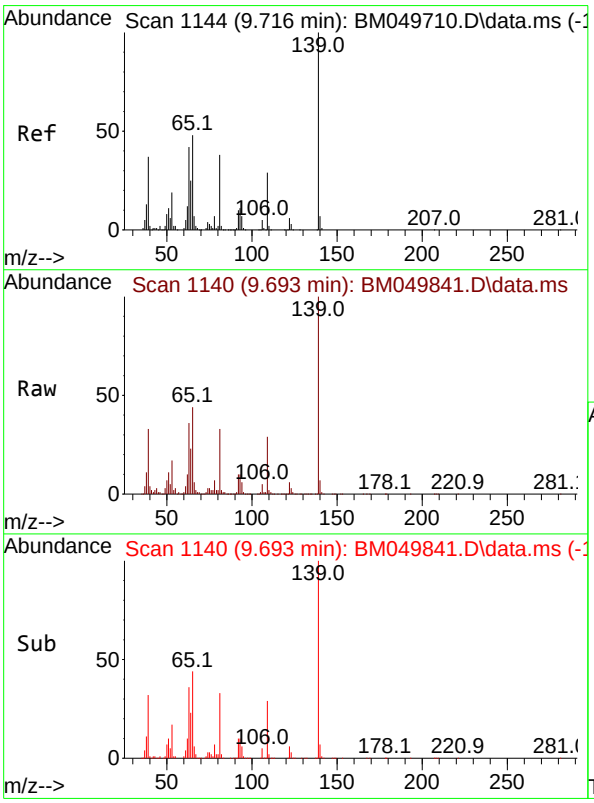
#25
Isophorone
Concen: 29.997 ng
RT: 9.510 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 82 Resp: 1151214

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.3	7.9
138	19.3	14.4	21.6

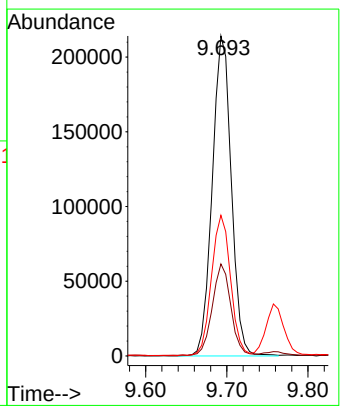


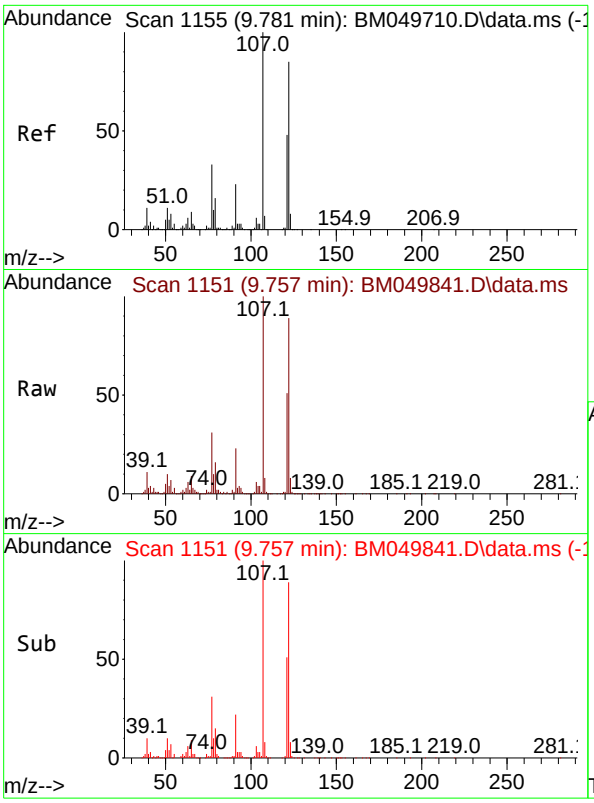


#26
2-Nitrophenol
Concen: 34.828 ng
RT: 9.693 min Scan# 1140
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:139 Resp: 349379

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.3	34.9
65	44.0	38.6	58.0



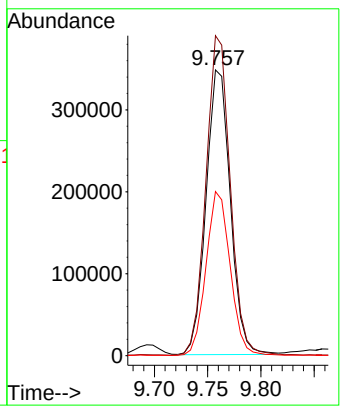


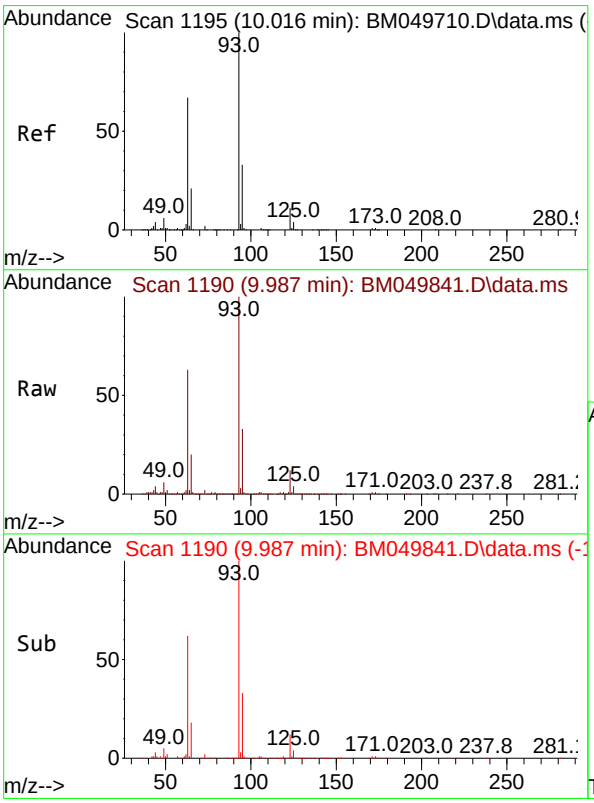
#27
2,4-Dimethylphenol
Concen: 43.251 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:122 Resp: 552266

Ion	Ratio	Lower	Upper
122	100		
107	112.0	94.3	141.5
121	57.4	45.4	68.2

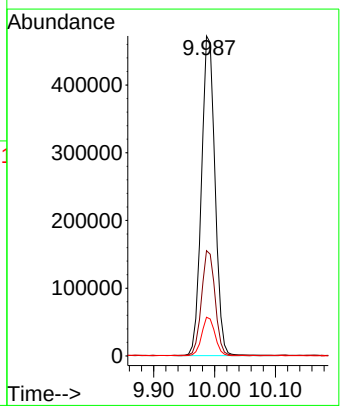


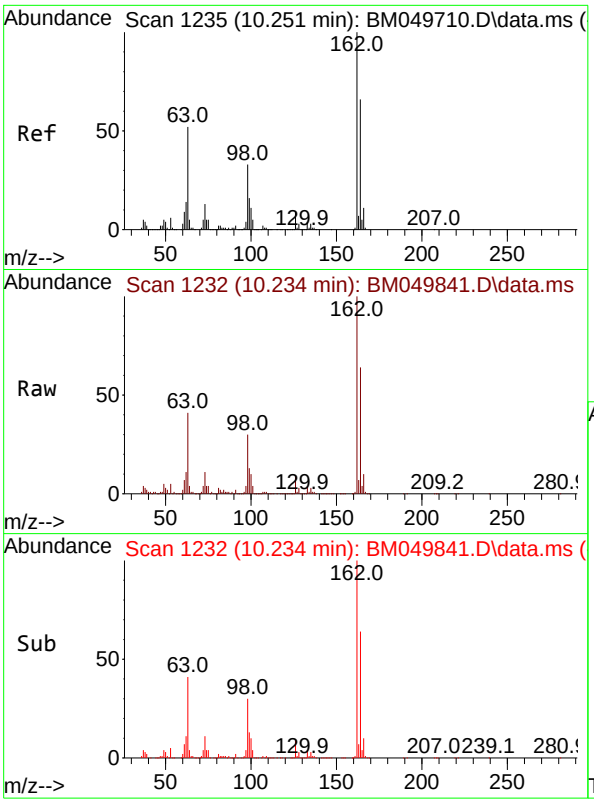


#28
bis(2-Chloroethoxy)methane
Concen: 27.067 ng
RT: 9.987 min Scan# 1190
Delta R.T. -0.029 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion: 93 Resp: 731619

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.6	40.0
123	12.1	9.0	13.6



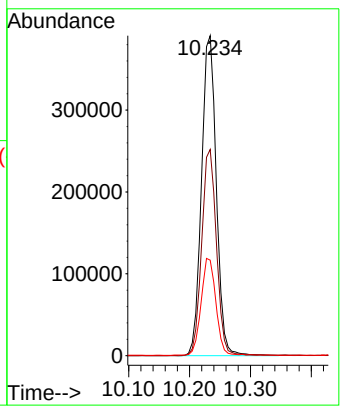


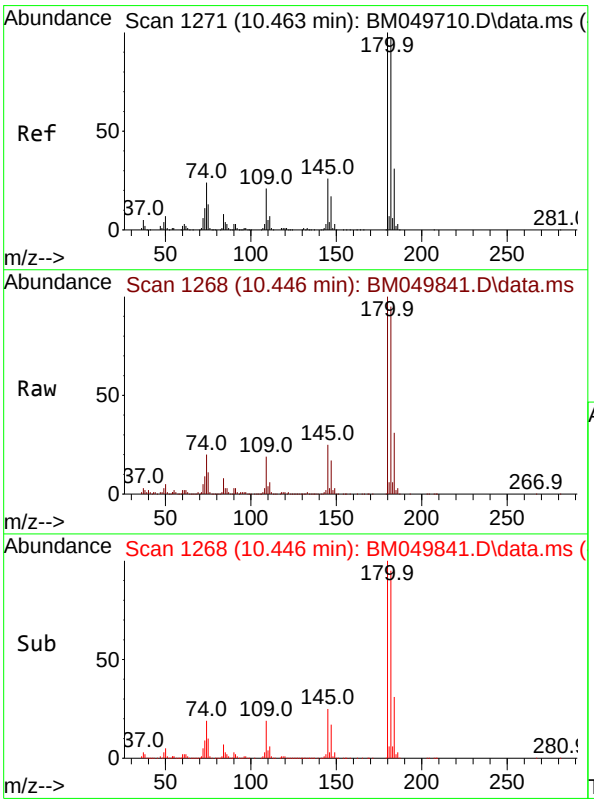
#29
2,4-Dichlorophenol
Concen: 31.726 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:162 Resp: 660103

Ion	Ratio	Lower	Upper
162	100		
164	64.4	46.3	86.3
98	29.8	12.8	52.8

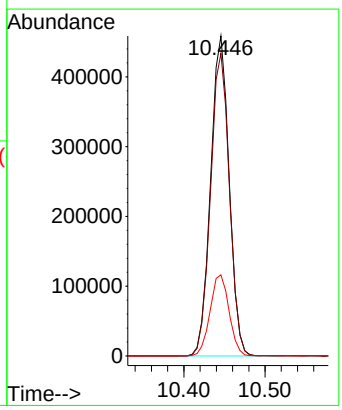


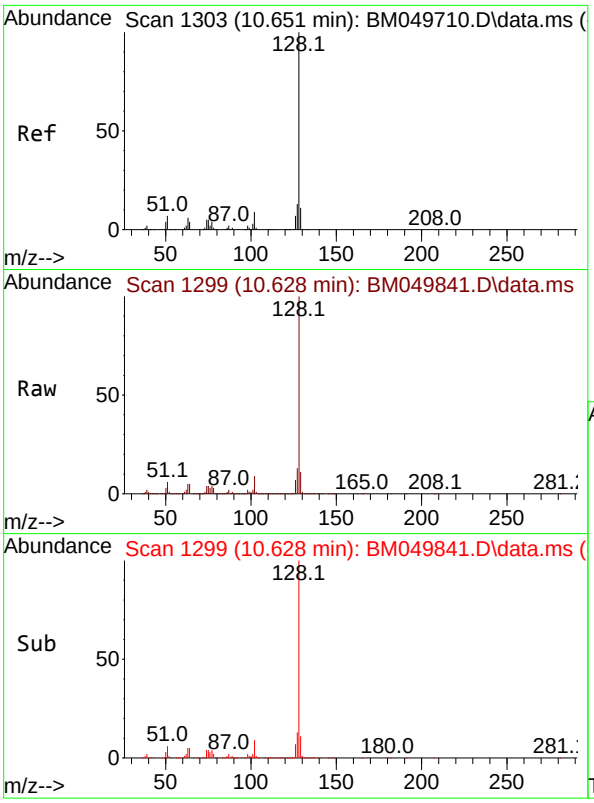


#30
1,2,4-Trichlorobenzene
Concen: 27.934 ng
RT: 10.446 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:180 Resp: 727179

Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.7	116.5
145	25.3	21.0	31.4



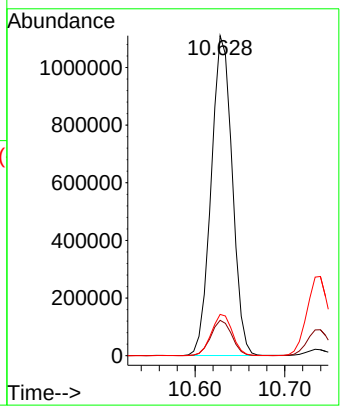


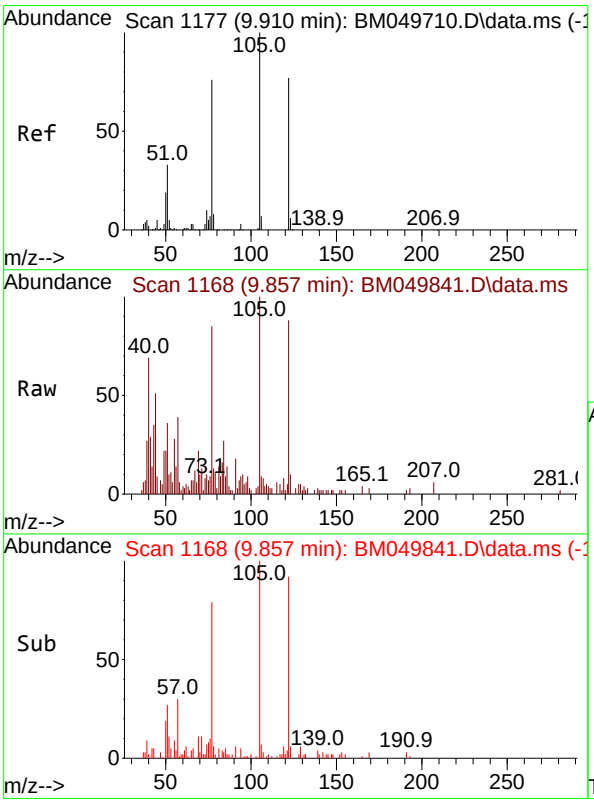
#31
Naphthalene
Concen: 27.427 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:128 Resp: 1809880

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	12.9	10.4	15.6

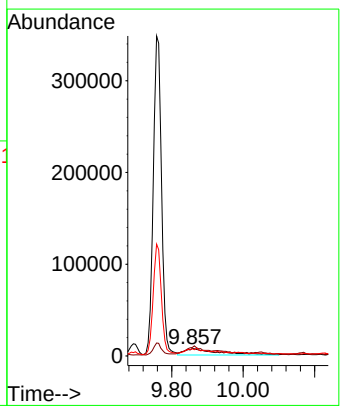


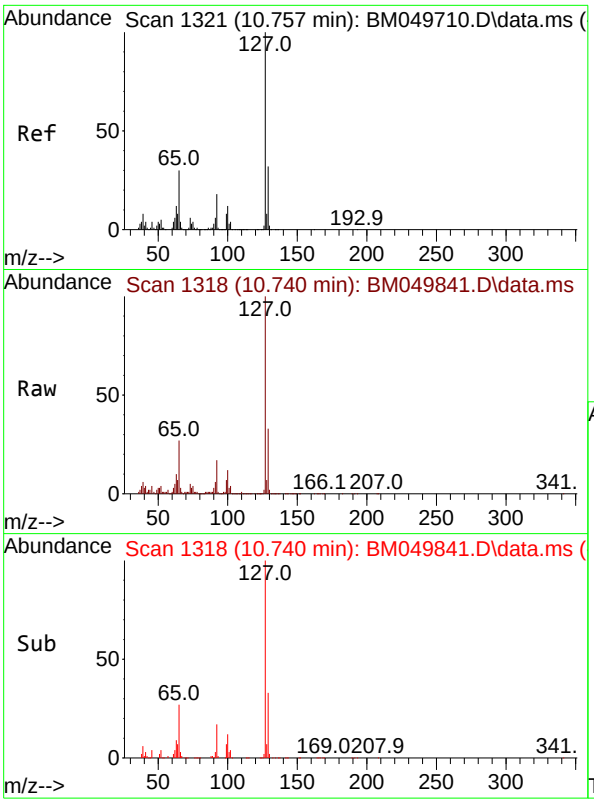


#32
Benzoic acid
Concen: 4.137 ng m
RT: 9.857 min Scan# 1168
Delta R.T. -0.053 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:122 Resp: 44923

Ion	Ratio	Lower	Upper
122	100		
105	113.9	105.6	145.6
77	96.7	76.9	116.9



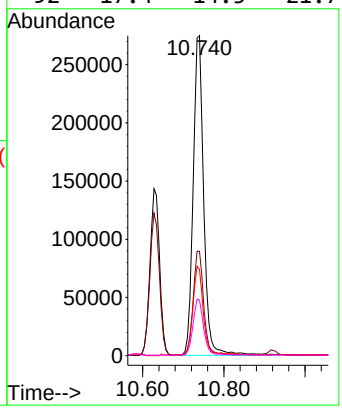


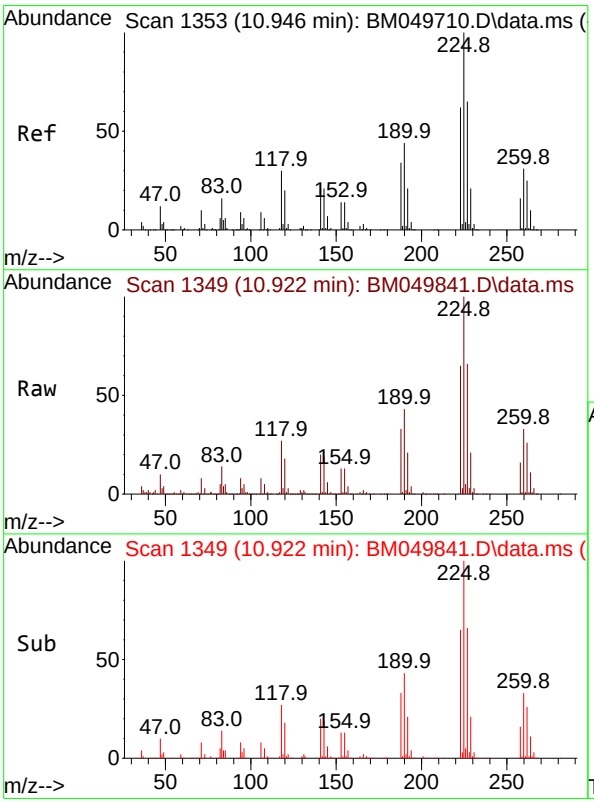
#33
4-Chloroaniline
Concen: 22.185 ng
RT: 10.740 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:127 Resp: 499624

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.7	38.5
65	27.0	24.1	36.1
92	17.4	14.5	21.7

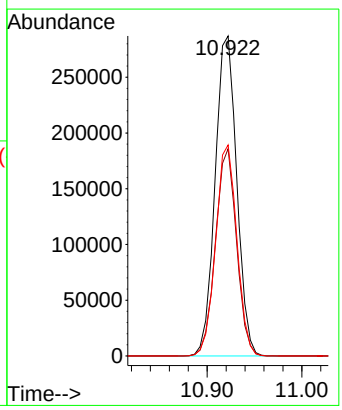


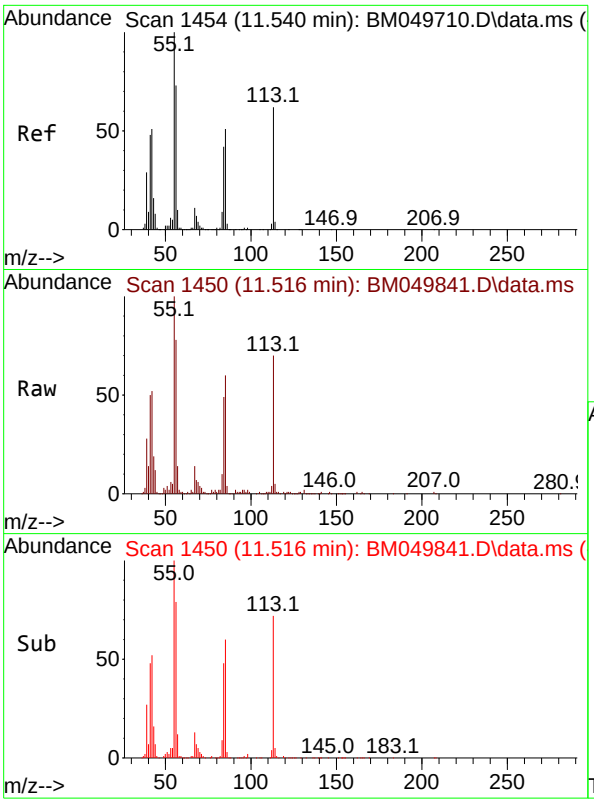


#34
Hexachlorobutadiene
Concen: 28.337 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:225 Resp: 455382

Ion	Ratio	Lower	Upper
225	100		
223	64.7	49.8	74.8
227	66.0	52.1	78.1



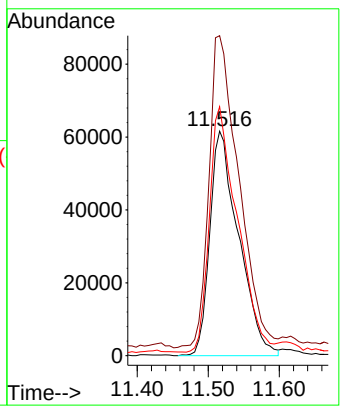


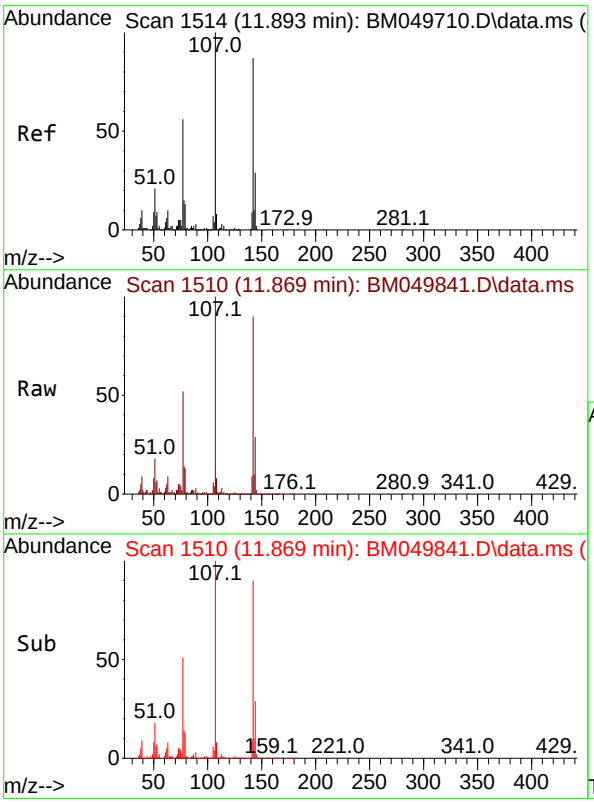
#35
Caprolactam
Concen: 35.920 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:113 Resp: 173517

Ion	Ratio	Lower	Upper
113	100		
55	142.5	141.8	181.8
56	110.9	98.0	138.0

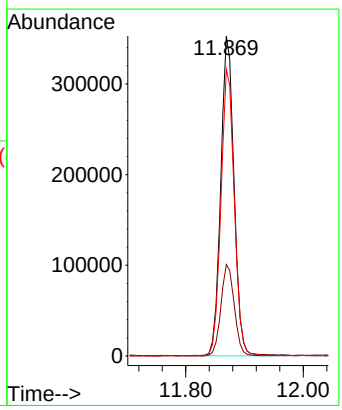


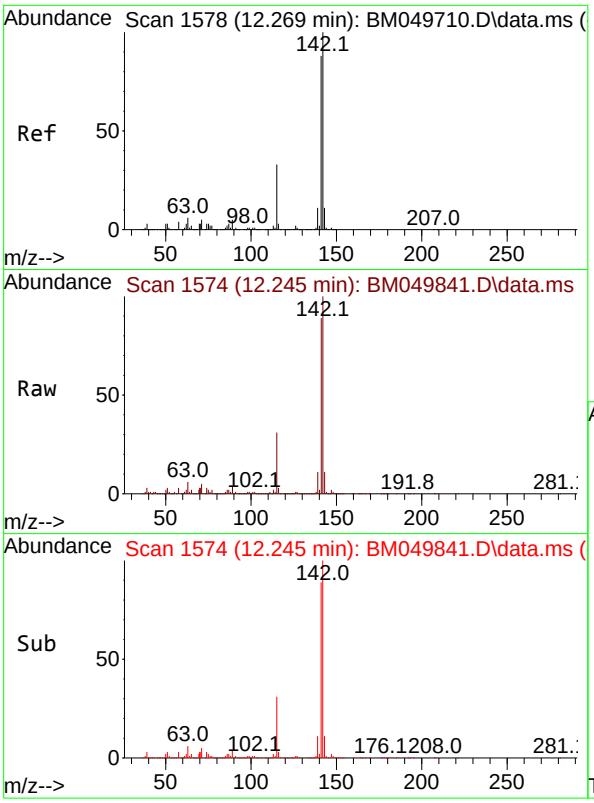


#36
4-Chloro-3-methylphenol
Concen: 31.004 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:107 Resp: 553591

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.0	34.6
142	89.6	69.8	104.8



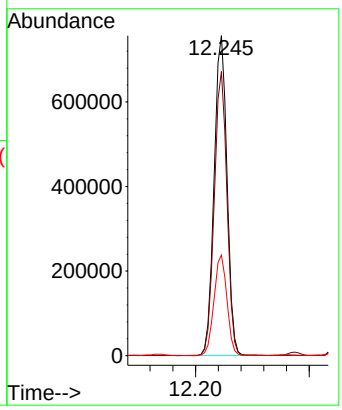


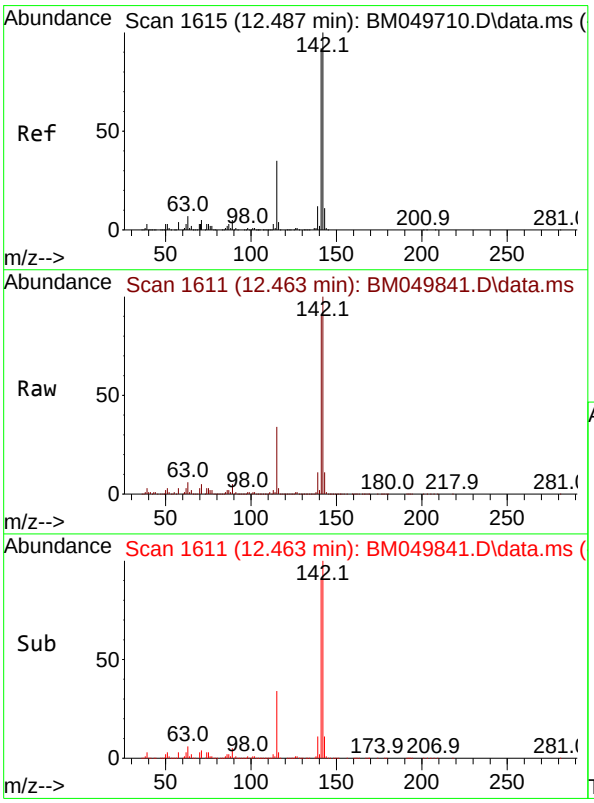
#37
2-Methylnaphthalene
Concen: 25.730 ng
RT: 12.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:142 Resp: 1187231

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.5	105.7
115	31.4	26.5	39.7

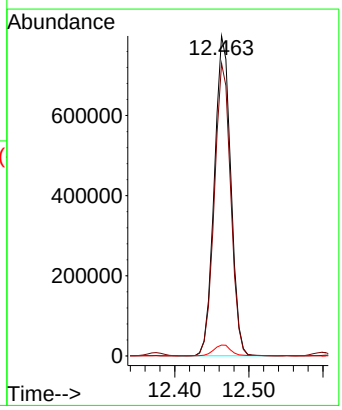


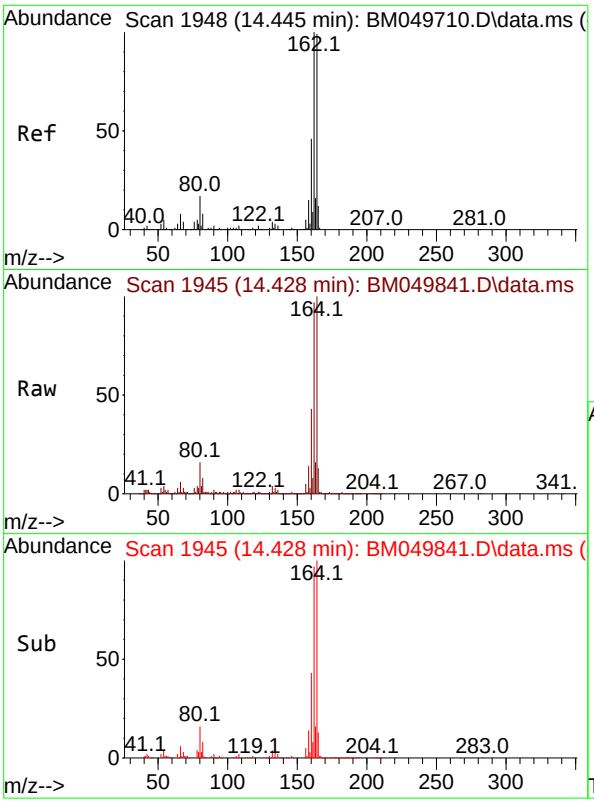


#38
1-Methylnaphthalene
Concen: 27.612 ng
RT: 12.463 min Scan# 1611
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:142 Resp: 1229265

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.4	110.2
116	3.4	2.8	4.2



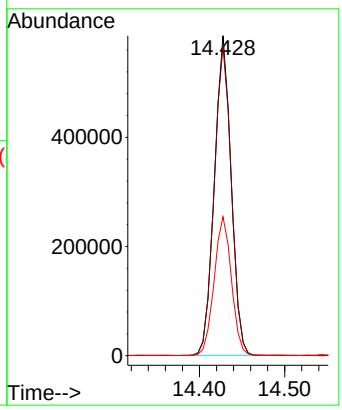


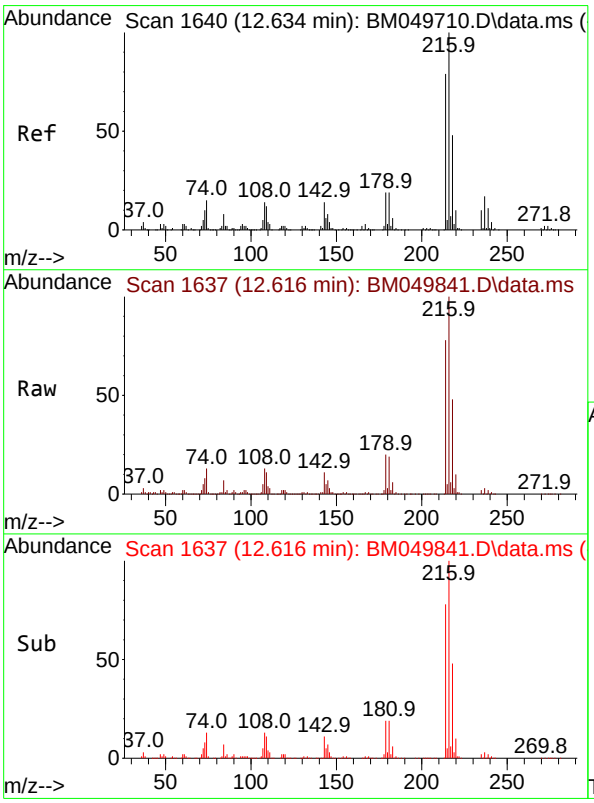
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.428 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:164 Resp: 802650

Ion	Ratio	Lower	Upper
164	100		
162	96.6	80.5	120.7
160	43.4	36.9	55.3

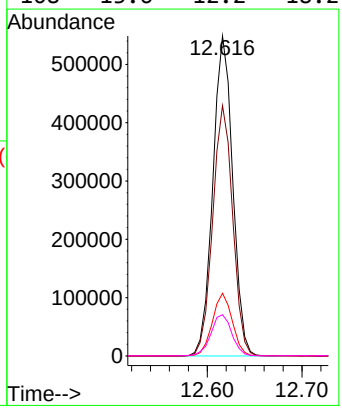


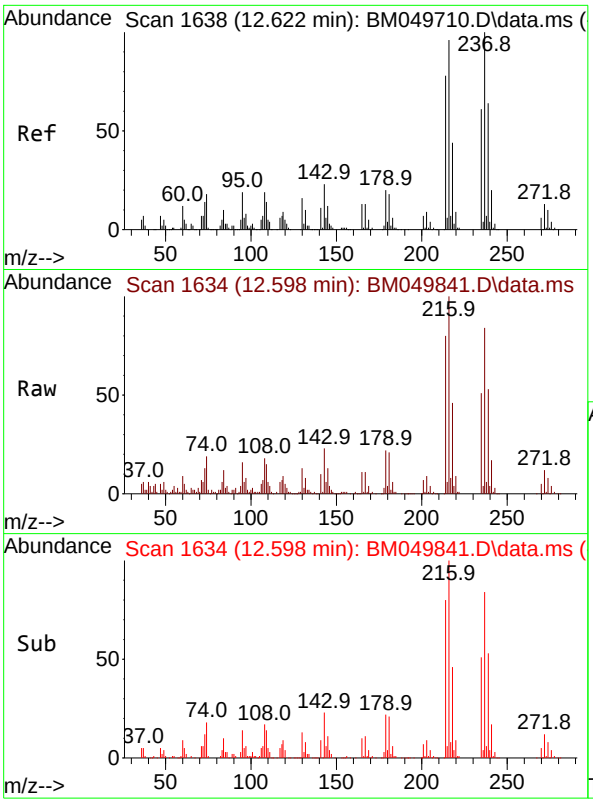


#40
1,2,4,5-Tetrachlorobenzene
Concen: 27.125 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:216 Resp: 799730

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.5	95.3
179	19.5	15.7	23.5
108	13.6	12.2	18.2



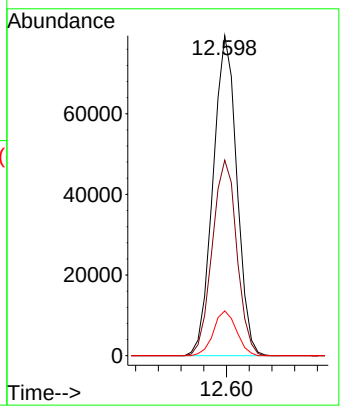


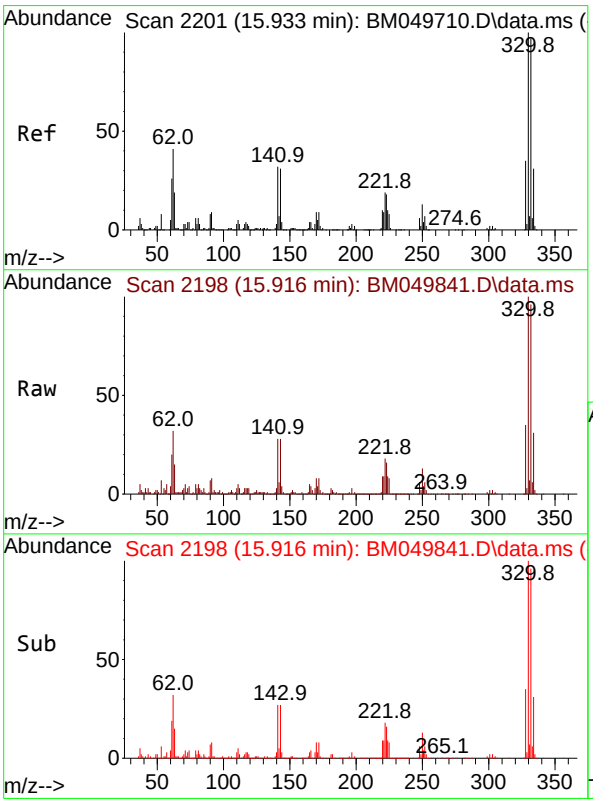
#41
Hexachlorocyclopentadiene
Concen: 10.602 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:237 Resp: 115800

Ion	Ratio	Lower	Upper
237	100		
235	61.1	41.1	81.1
272	14.0	0.0	32.5

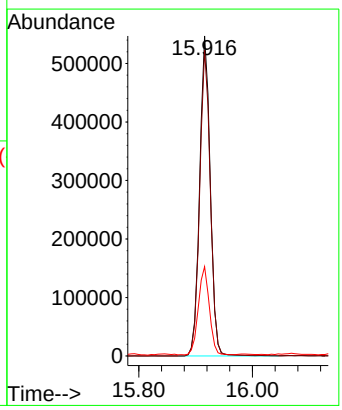


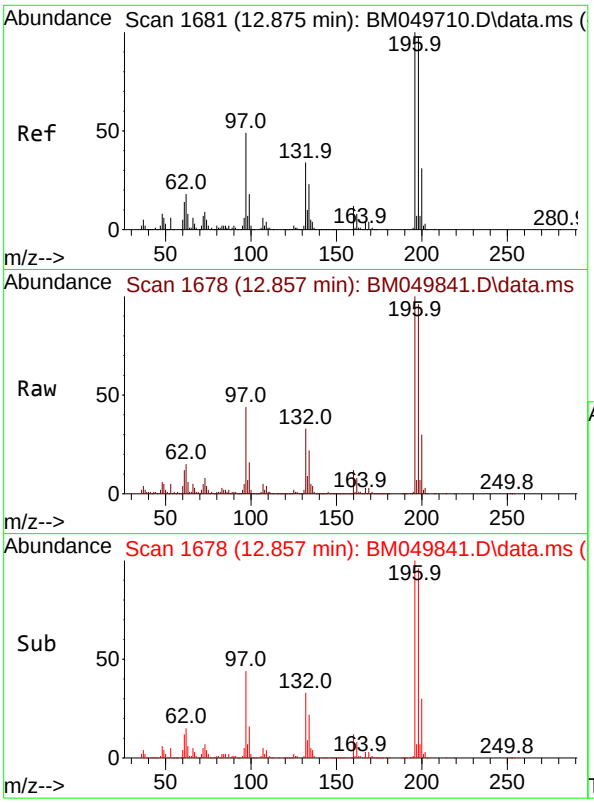


#42
2,4,6-Tribromophenol
Concen: 75.857 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.017 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:330 Resp: 710977

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.4
141	28.5	27.8	41.6



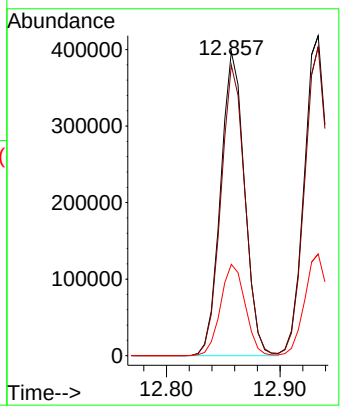


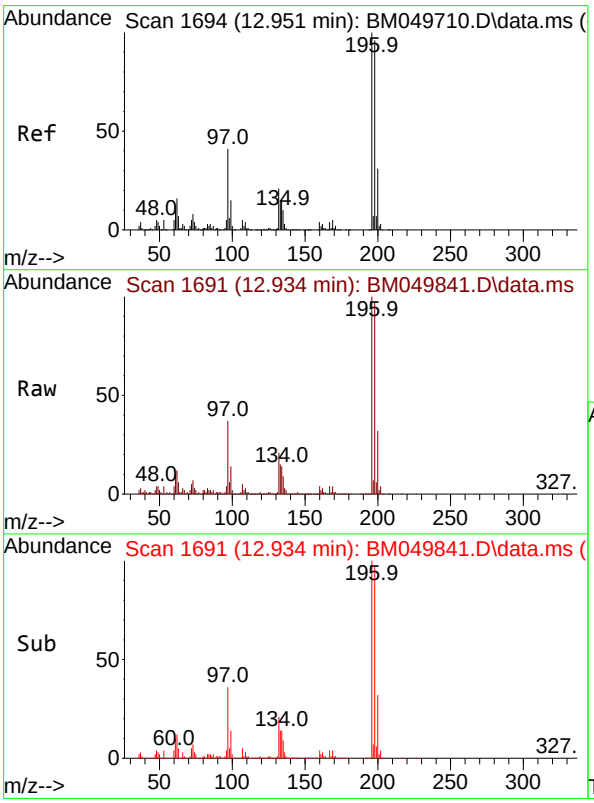
#43
2,4,6-Trichlorophenol
Concen: 35.384 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:196 Resp: 584269

Ion	Ratio	Lower	Upper
196	100		
198	95.6	78.3	117.5
200	30.0	25.1	37.7

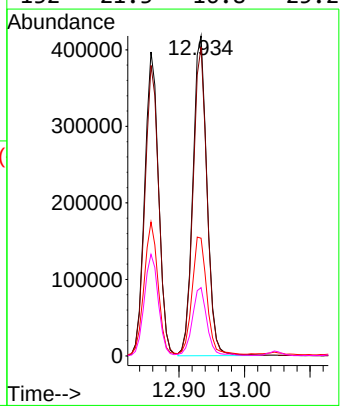


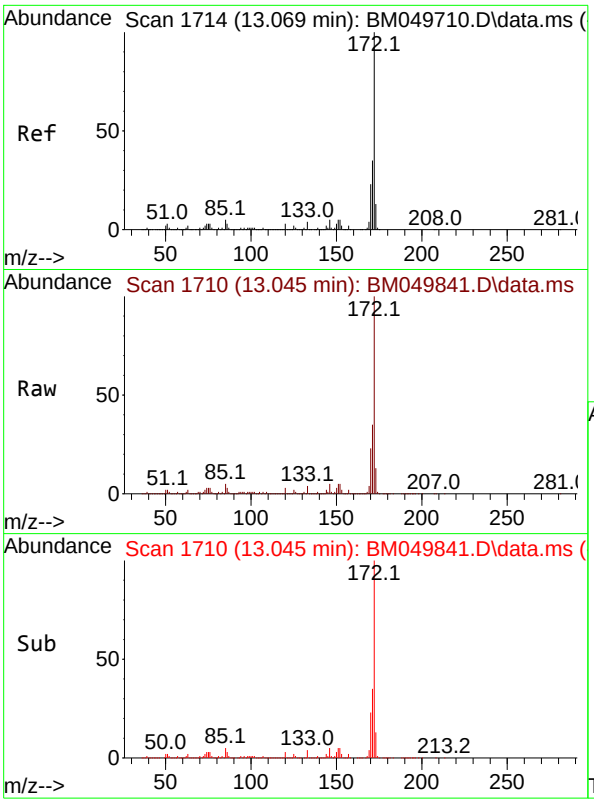


#44
2,4,5-Trichlorophenol
Concen: 34.711 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:196 Resp: 625465

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.7	115.1
97	36.8	32.9	49.3
132	21.3	16.8	25.2



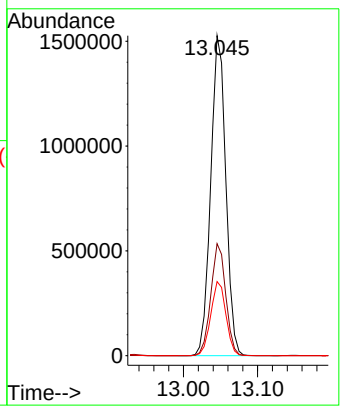


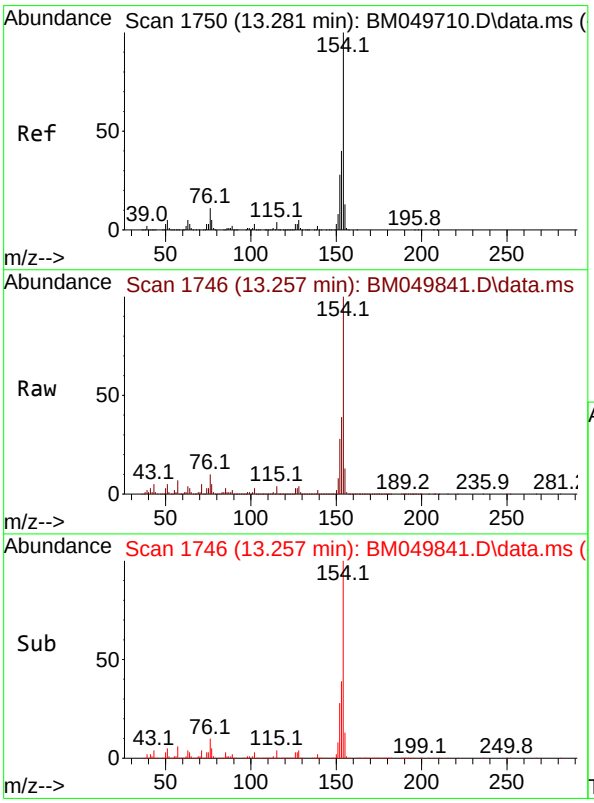
#45
2-Fluorobiphenyl
Concen: 33.630 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:172 Resp: 2155380

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.2	18.6	28.0

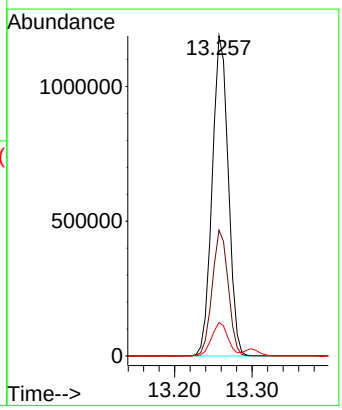


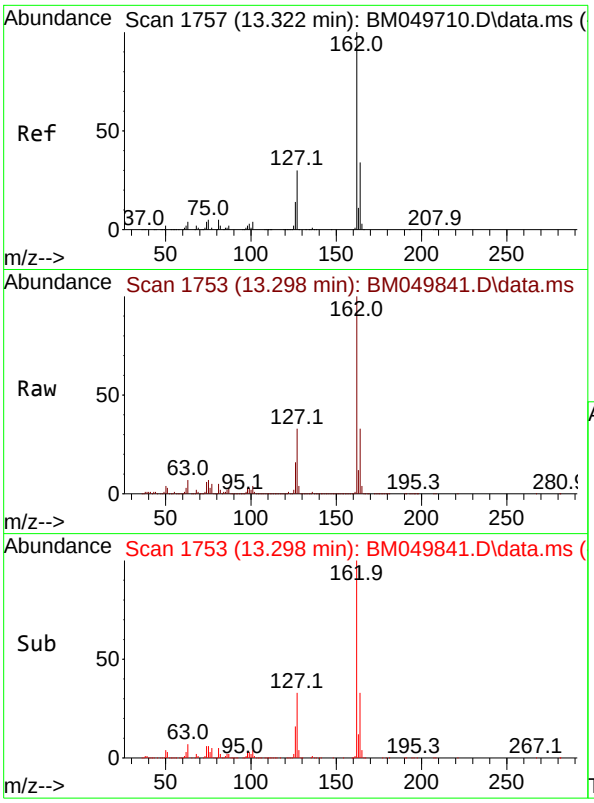


#46
1,1'-Biphenyl
Concen: 27.693 ng
RT: 13.257 min Scan# 1746
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:154 Resp: 1713141

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.7	59.7
76	10.5	0.0	31.2



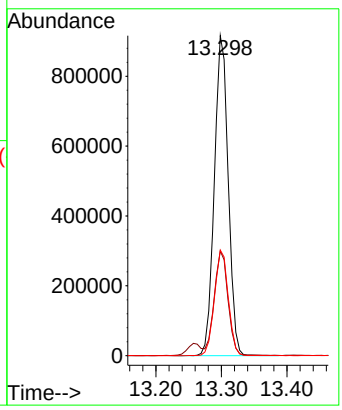


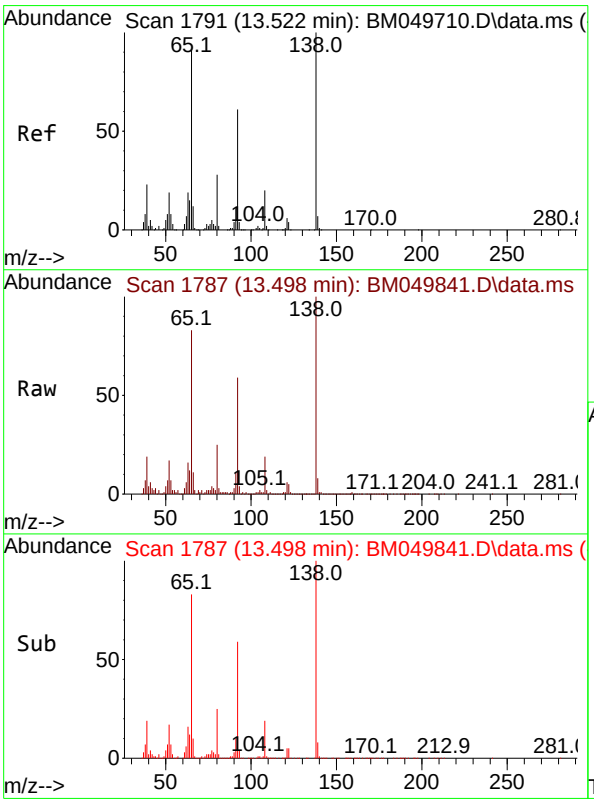
#47
2-Chloronaphthalene
Concen: 27.922 ng
RT: 13.298 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:162 Resp: 1344485

Ion	Ratio	Lower	Upper
162	100		
127	32.7	25.8	38.6
164	33.0	27.1	40.7

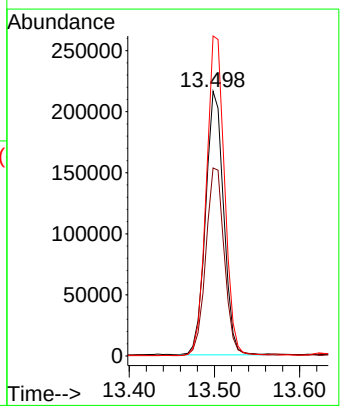


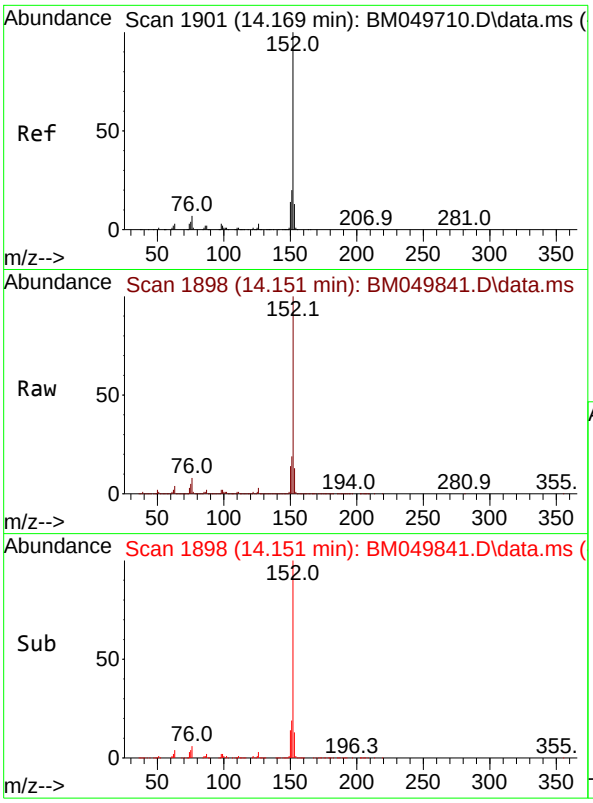


#48
2-Nitroaniline
Concen: 29.332 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion: 65 Resp: 317057

Ion	Ratio	Lower	Upper
65	100		
92	71.1	53.4	80.2
138	120.9	87.6	131.4



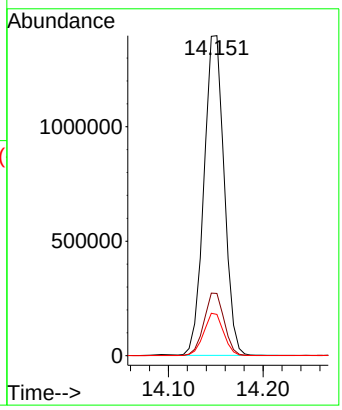


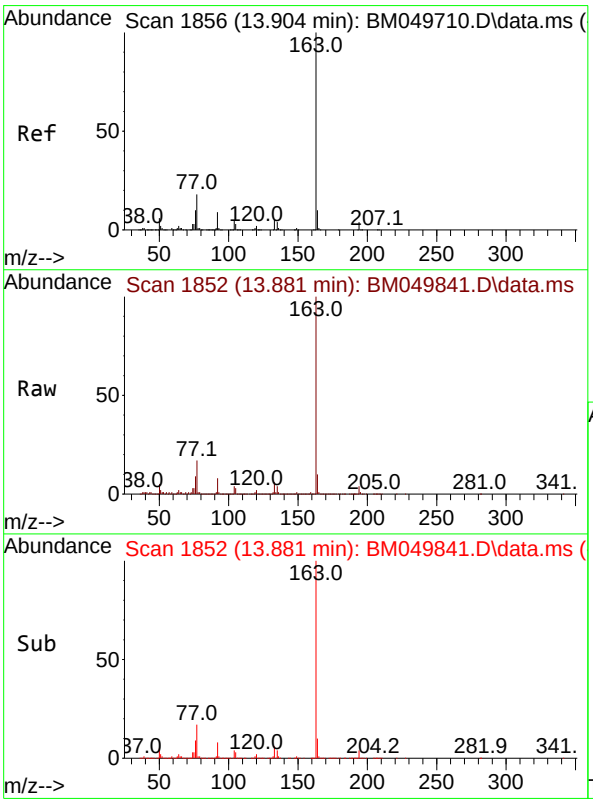
#49
Acenaphthylene
Concen: 30.692 ng
RT: 14.151 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:152 Resp: 2065672

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	12.9	10.2	15.4

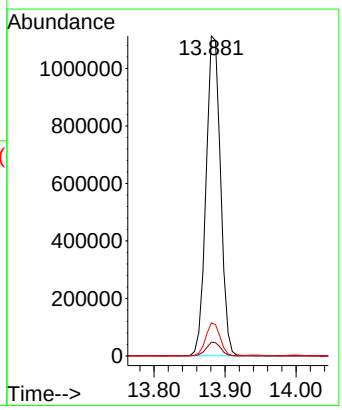


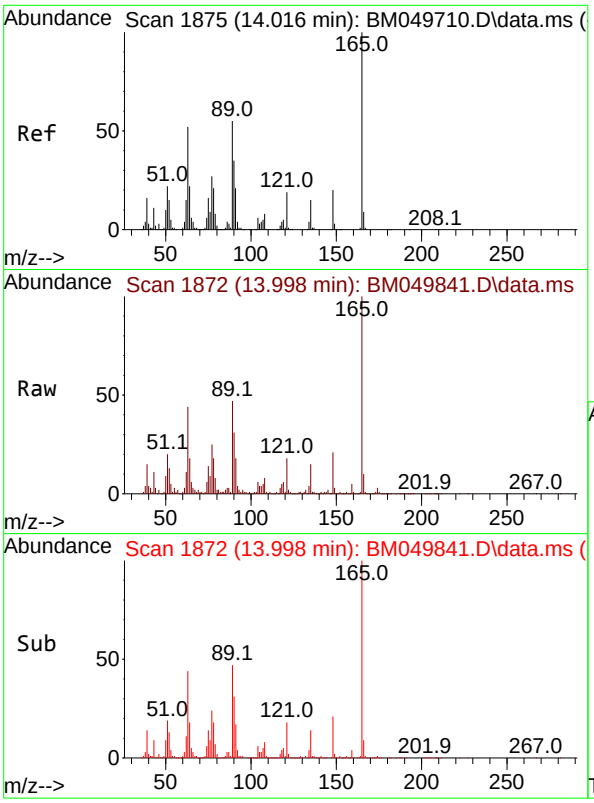


#50
Dimethylphthalate
Concen: 28.489 ng
RT: 13.881 min Scan# 1852
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:163 Resp: 1574344

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.3	8.2	12.2



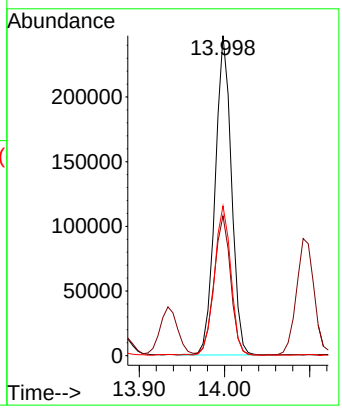


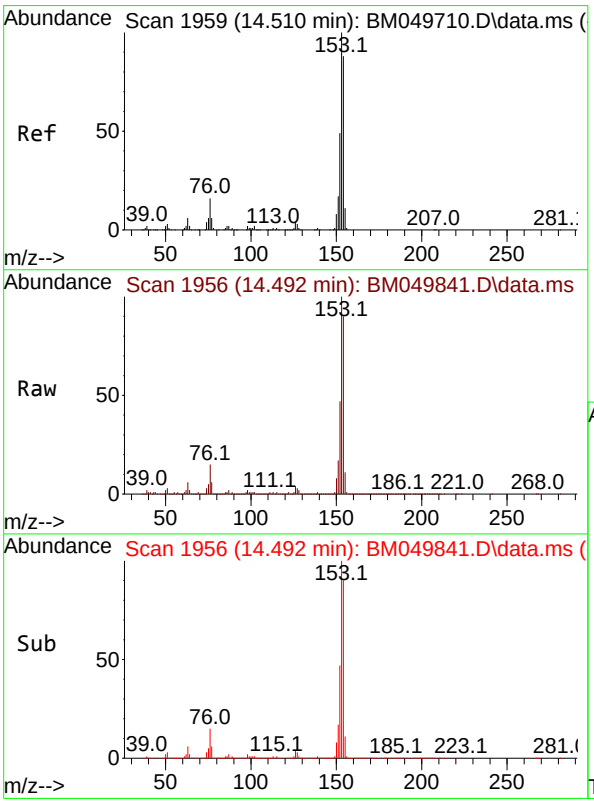
#51
2,6-Dinitrotoluene
Concen: 29.543 ng
RT: 13.998 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:165 Resp: 327121

Ion	Ratio	Lower	Upper
165	100		
63	43.7	42.3	63.5
89	46.8	43.9	65.9

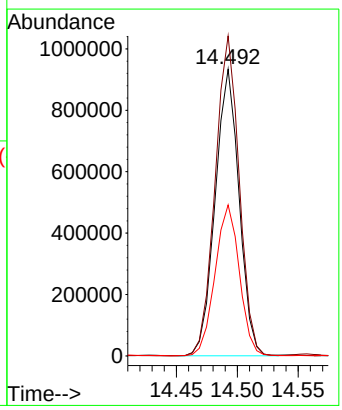


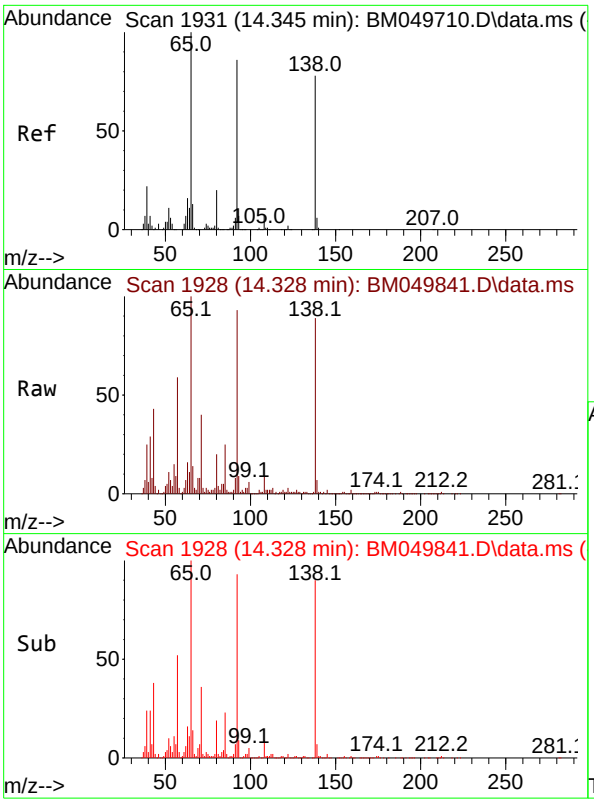


#52
Acenaphthene
Concen: 28.874 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:154 Resp: 1274700

Ion	Ratio	Lower	Upper
154	100		
153	111.6	90.4	135.6
152	52.7	44.2	66.2



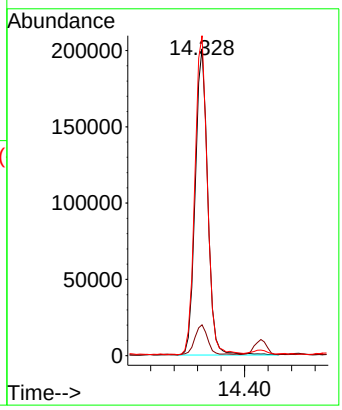


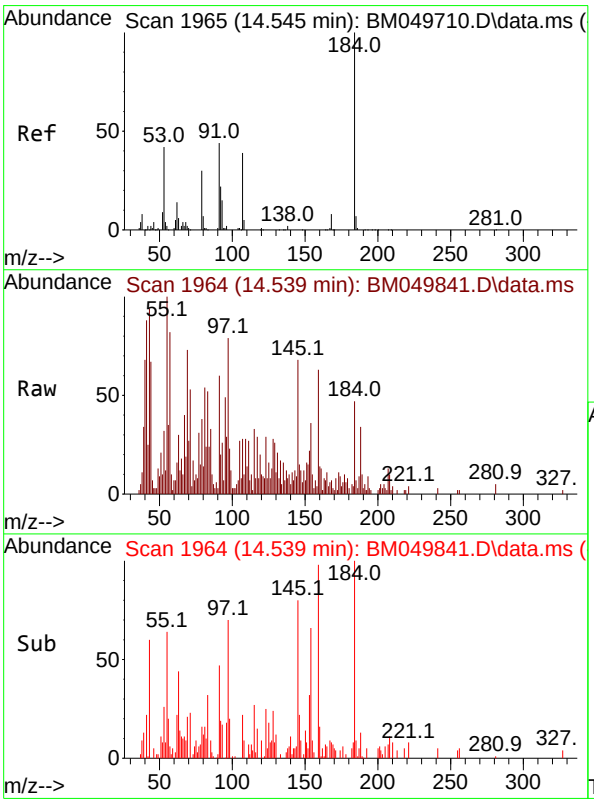
#53
3-Nitroaniline
Concen: 28.098 ng
RT: 14.328 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:138 Resp: 296063

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.5	11.3
92	104.3	88.0	132.0

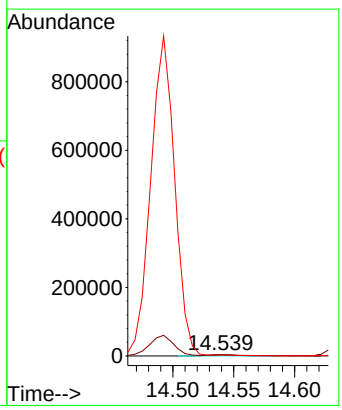


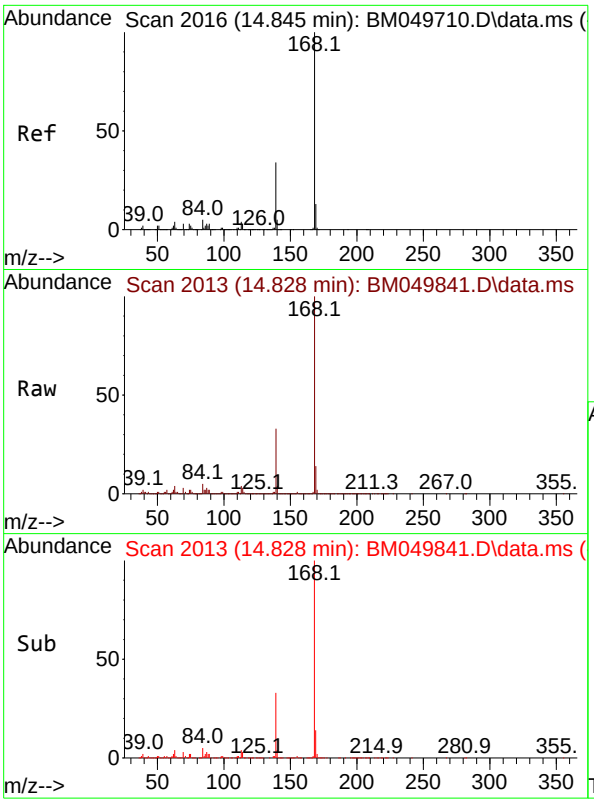


#54
2,4-Dinitrophenol
Concen: 4.524 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:184 Resp: 6233

Ion	Ratio	Lower	Upper
184	100		
63	64.1	47.2	70.8
154	76.9	49.9	74.9#



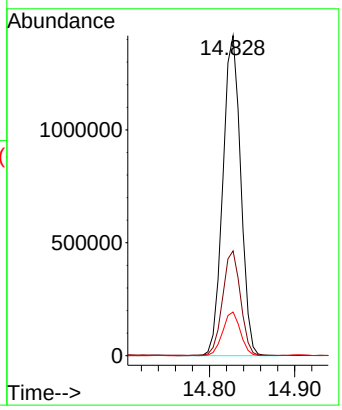


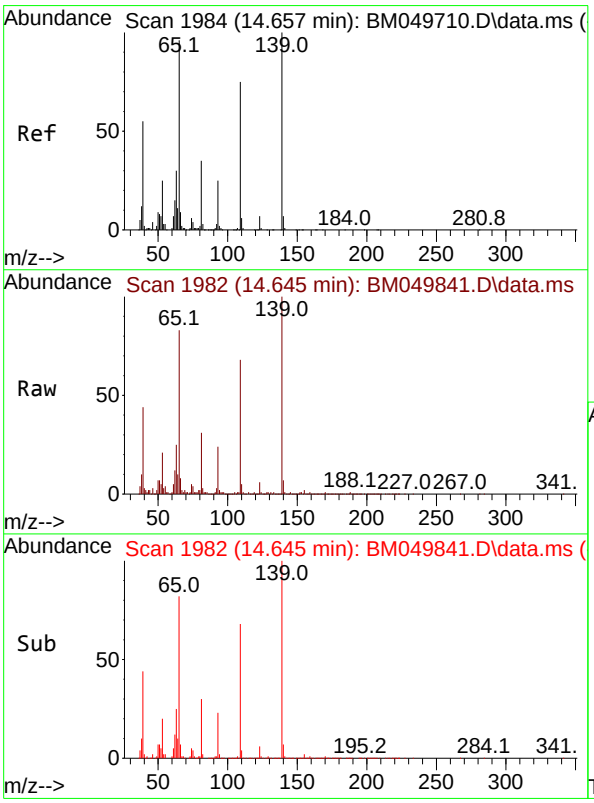
#55
Dibenzofuran
Concen: 28.026 ng
RT: 14.828 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:168 Resp: 2061694

Ion	Ratio	Lower	Upper
168	100		
139	32.8	27.4	41.0
169	13.7	10.7	16.1

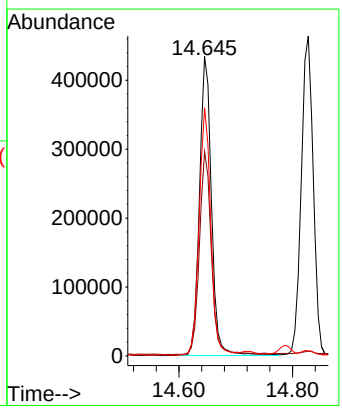


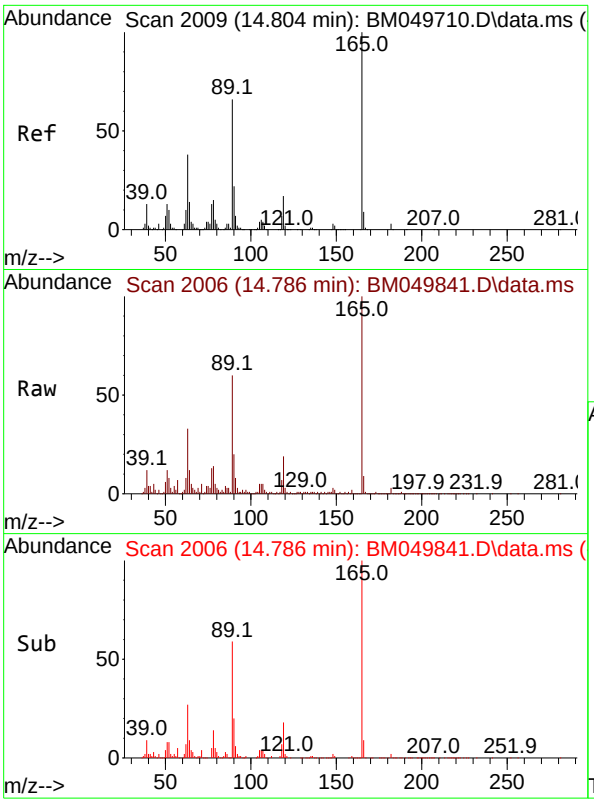


#56
4-Nitrophenol
Concen: 69.383 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:139 Resp: 636380

Ion	Ratio	Lower	Upper
139	100		
109	68.2	54.7	94.7
65	82.9	76.2	116.2



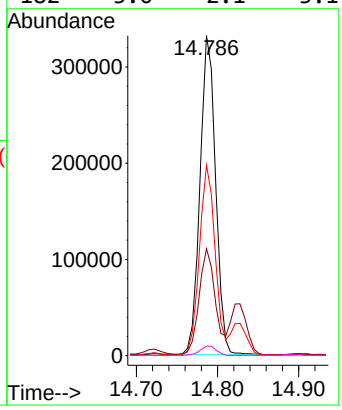


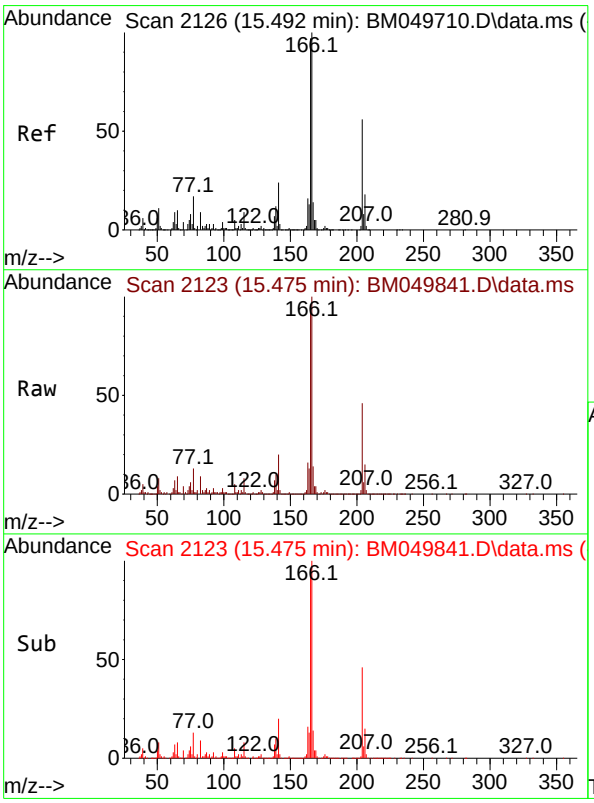
#57
2,4-Dinitrotoluene
Concen: 31.066 ng
RT: 14.786 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:165 Resp: 442642

Ion	Ratio	Lower	Upper
165	100		
63	33.4	30.8	46.2
89	59.5	53.1	79.7
182	3.0	2.1	3.1

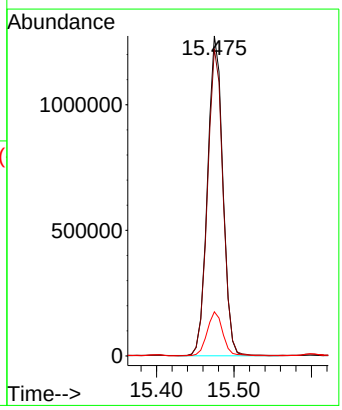


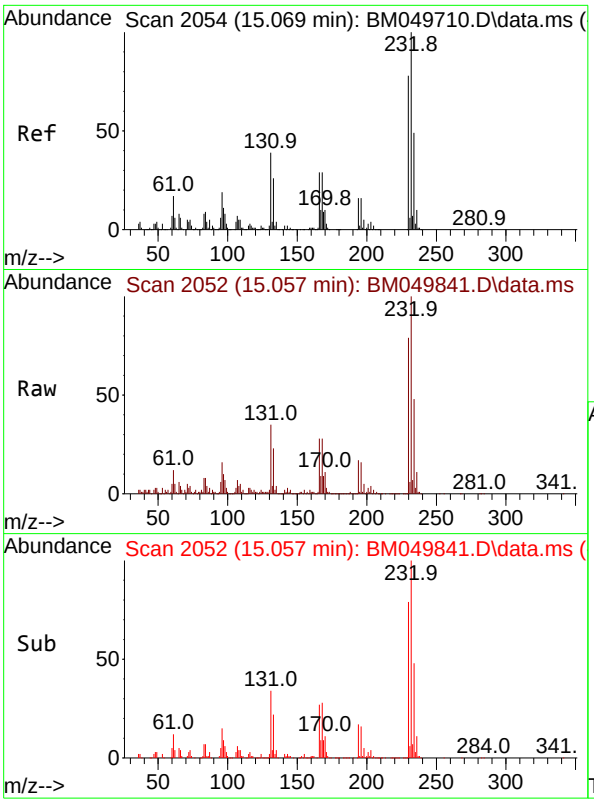


#58
Fluorene
Concen: 29.134 ng
RT: 15.475 min Scan# 2123
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:166 Resp: 1744955

Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.5	116.3
167	13.8	10.9	16.3



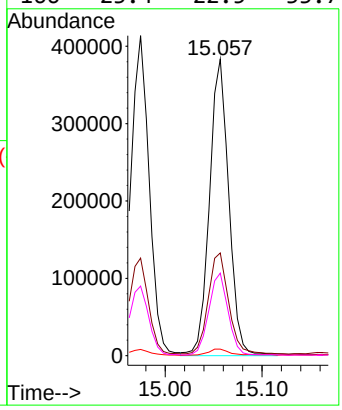


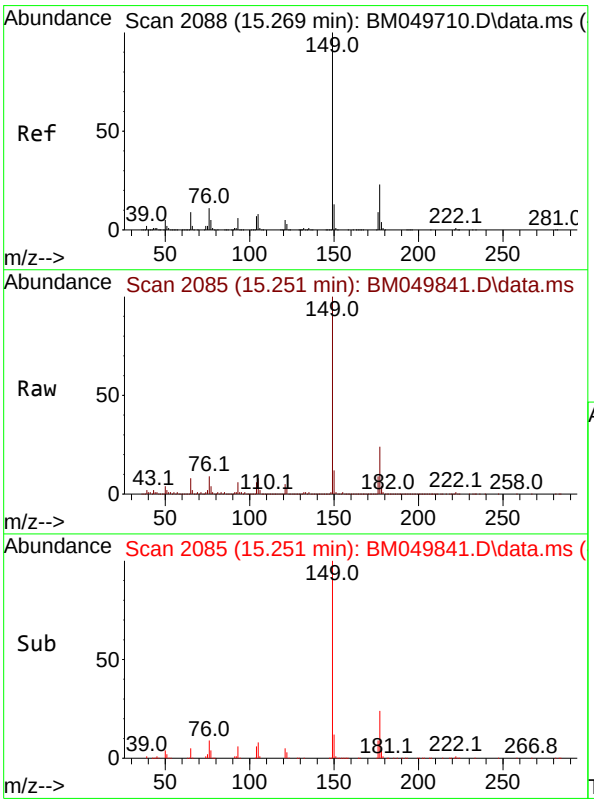
#59
2,3,4,6-Tetrachlorophenol
Concen: 35.271 ng m
RT: 15.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:232 Resp: 532004

Ion	Ratio	Lower	Upper
232	100		
131	32.9	30.0	45.0
130	2.1	1.6	2.4
166	23.4	22.5	33.7

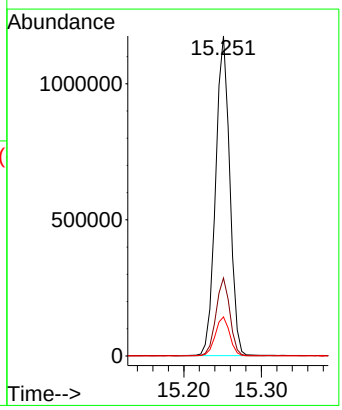


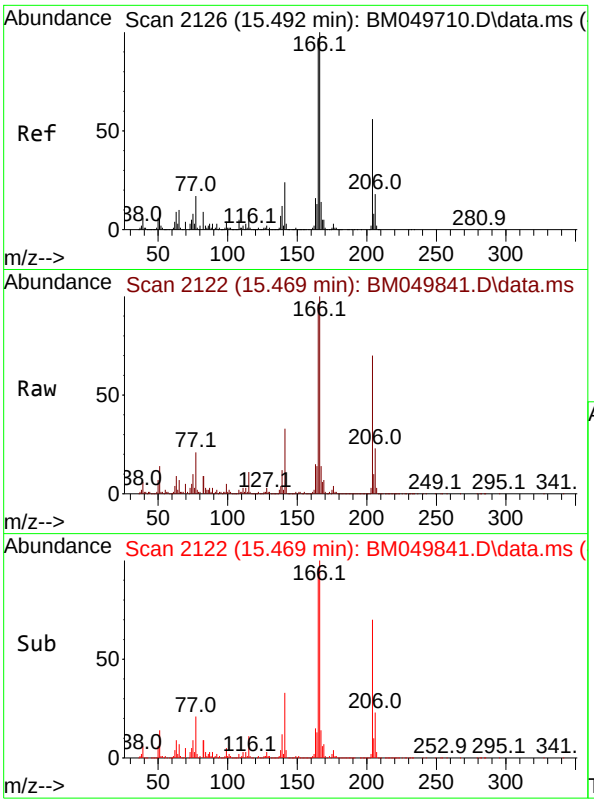


#60
Diethylphthalate
Concen: 28.587 ng
RT: 15.251 min Scan# 2085
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:149 Resp: 1487883

Ion	Ratio	Lower	Upper
149	100		
177	24.4	18.2	27.2
150	12.2	10.0	15.0



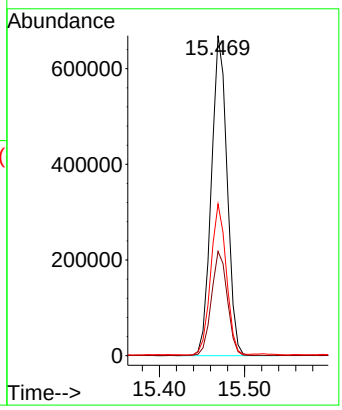


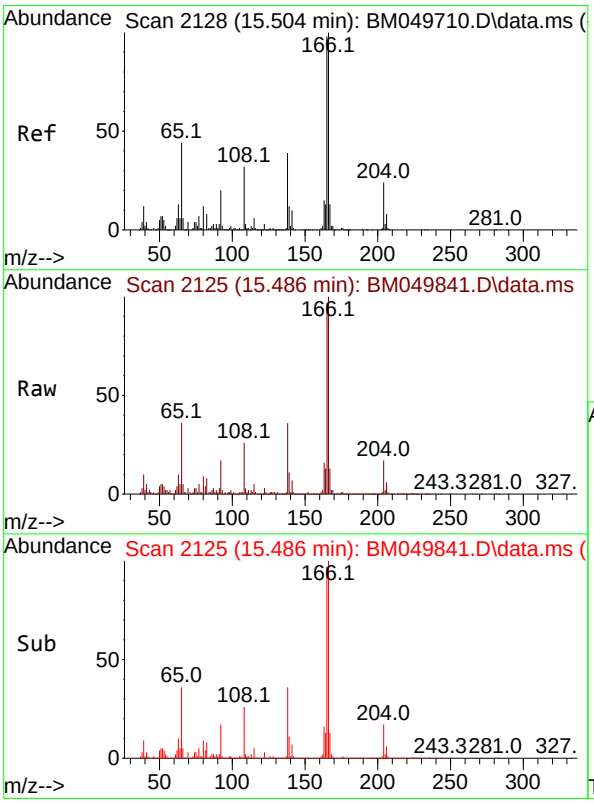
#61
4-Chlorophenyl-phenylether
Concen: 26.224 ng
RT: 15.469 min Scan# 21
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:204 Resp: 857672

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.2	37.8
141	47.4	34.5	51.7

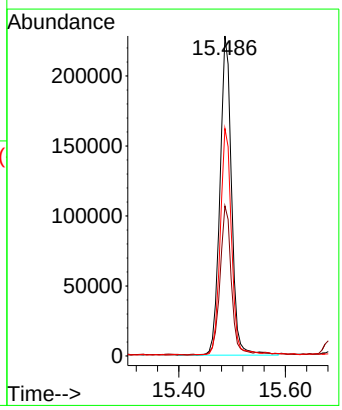


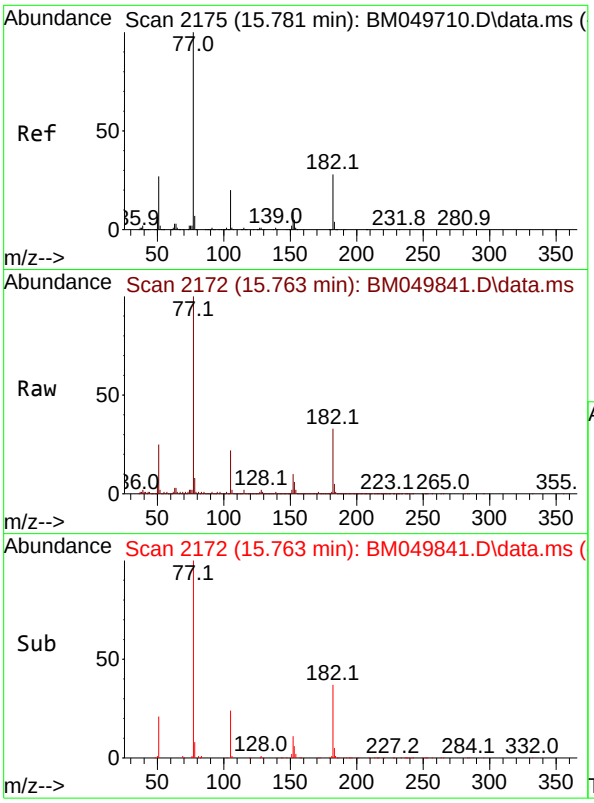


#62
4-Nitroaniline
Concen: 29.041 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:138 Resp: 343901

Ion	Ratio	Lower	Upper
138	100		
92	46.9	29.8	69.8
108	71.1	61.3	101.3



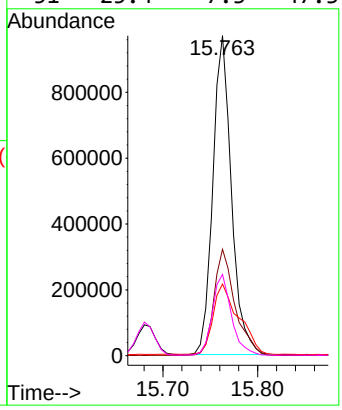


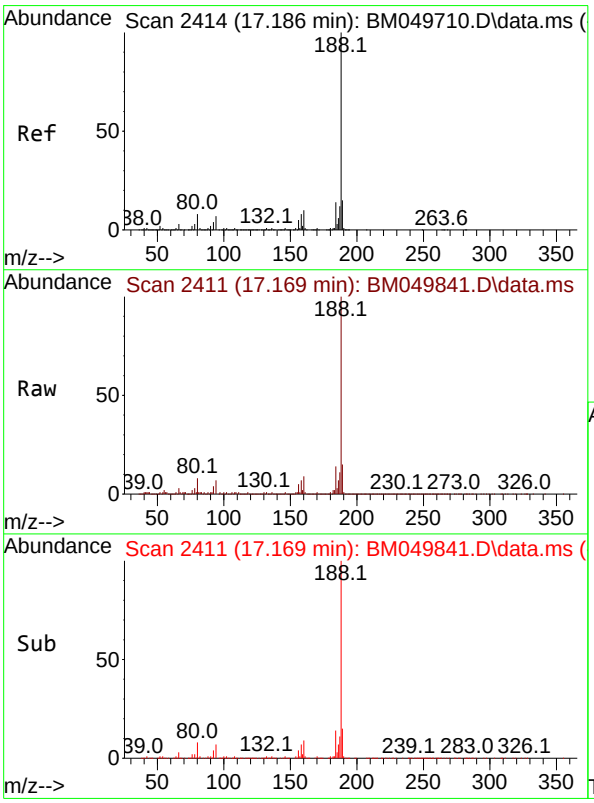
#63
Azobenzene
Concen: 26.656 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion: 77 Resp: 1325193

Ion	Ratio	Lower	Upper
77	100		
182	33.2	8.0	48.0
105	22.4	0.0	40.0
51	25.4	7.3	47.3

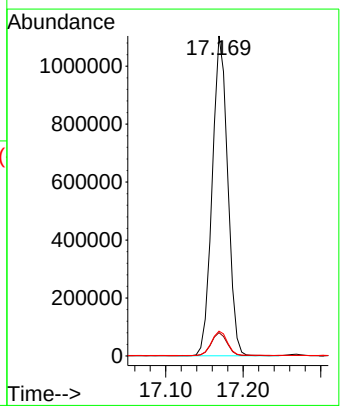


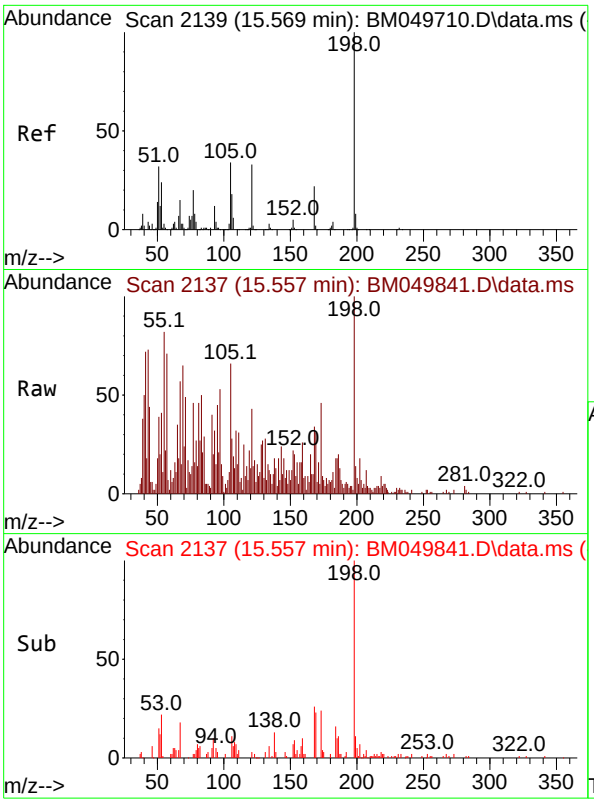


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.017 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:188 Resp: 1533775

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.7	6.3	9.5



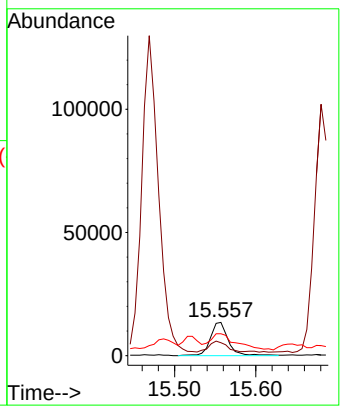


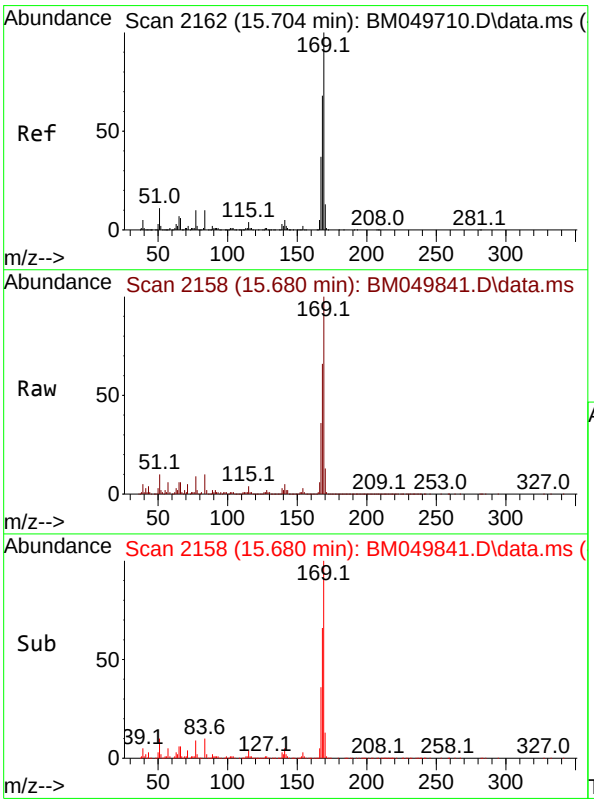
#65
4,6-Dinitro-2-methylphenol
Concen: 5.936 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:198 Resp: 20773

Ion	Ratio	Lower	Upper
198	100		
51	38.7	13.8	53.8
105	65.5	14.0	54.0#

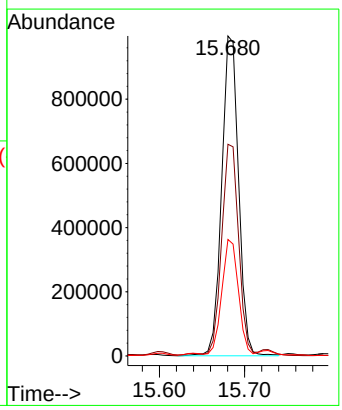


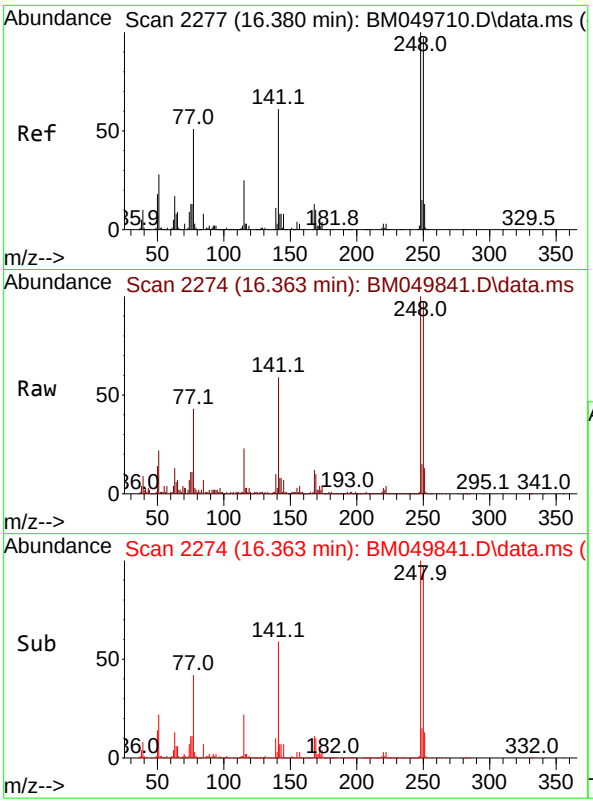


#66
n-Nitrosodiphenylamine
Concen: 29.482 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:169 Resp: 1370027

Ion	Ratio	Lower	Upper
169	100		
168	66.2	54.8	82.2
167	36.4	29.9	44.9



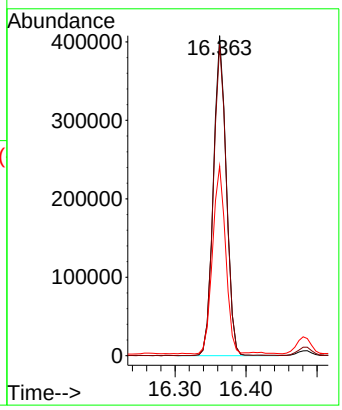


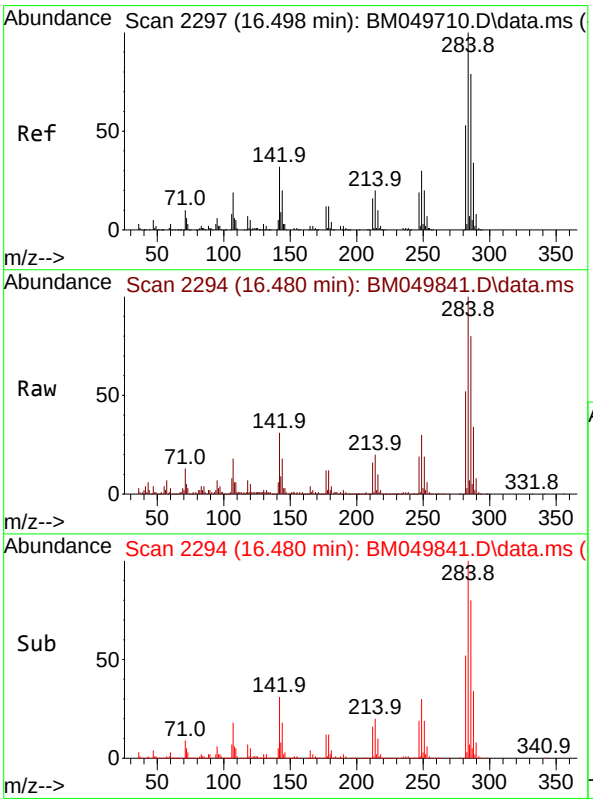
#67
4-Bromophenyl-phenylether
Concen: 28.961 ng
RT: 16.363 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:248 Resp: 512850

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.9	116.9
141	59.3	48.6	73.0

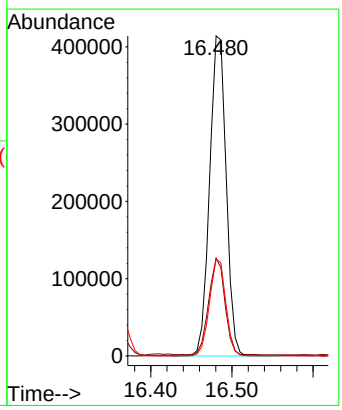


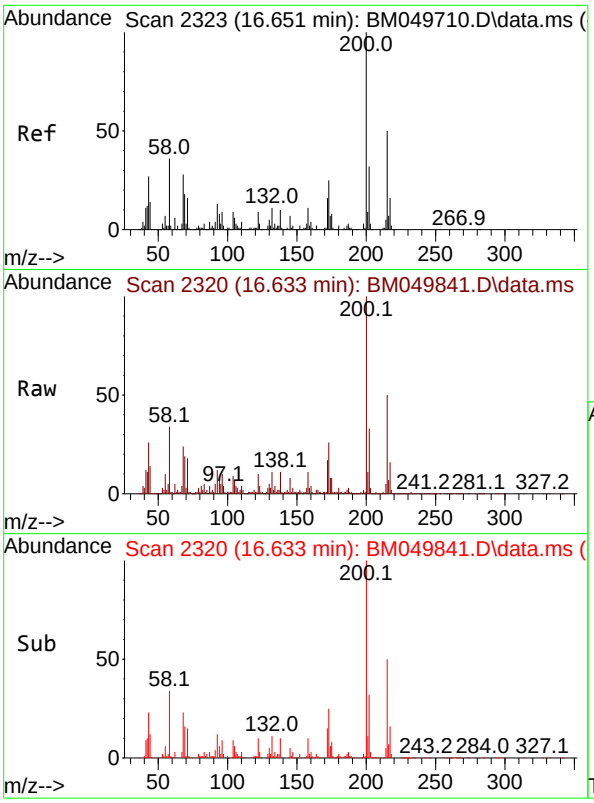


#68
Hexachlorobenzene
Concen: 29.437 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:284 Resp: 586199

Ion	Ratio	Lower	Upper
284	100		
142	30.6	25.5	38.3
249	30.3	24.2	36.2



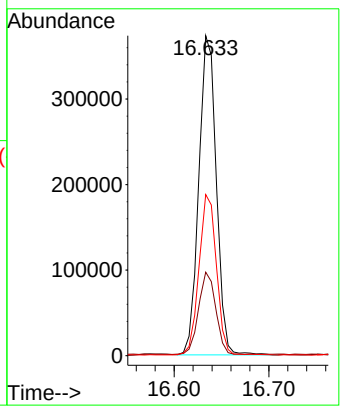


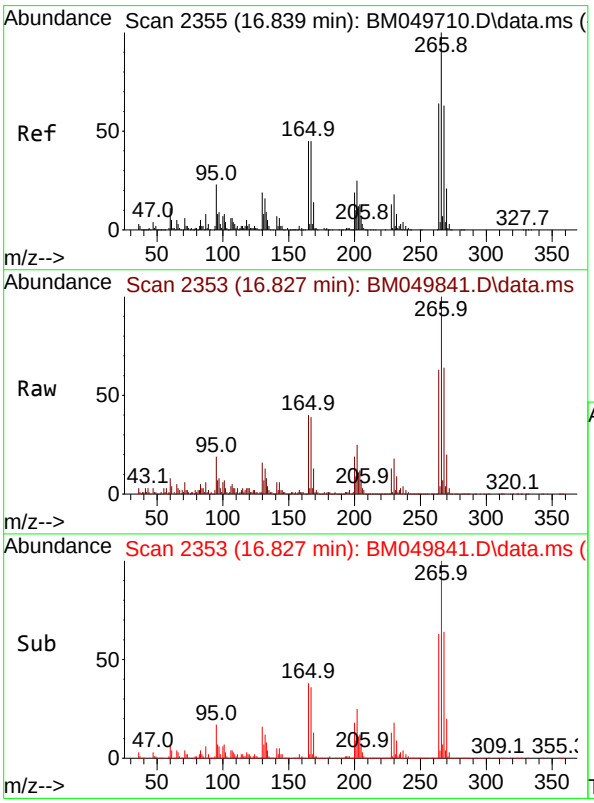
#69
Atrazine
Concen: 46.692 ng
RT: 16.633 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:200 Resp: 478186

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.4	45.4
215	50.3	29.8	69.8

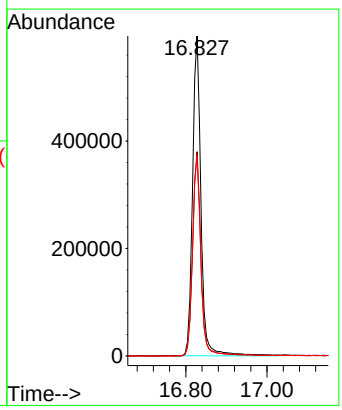


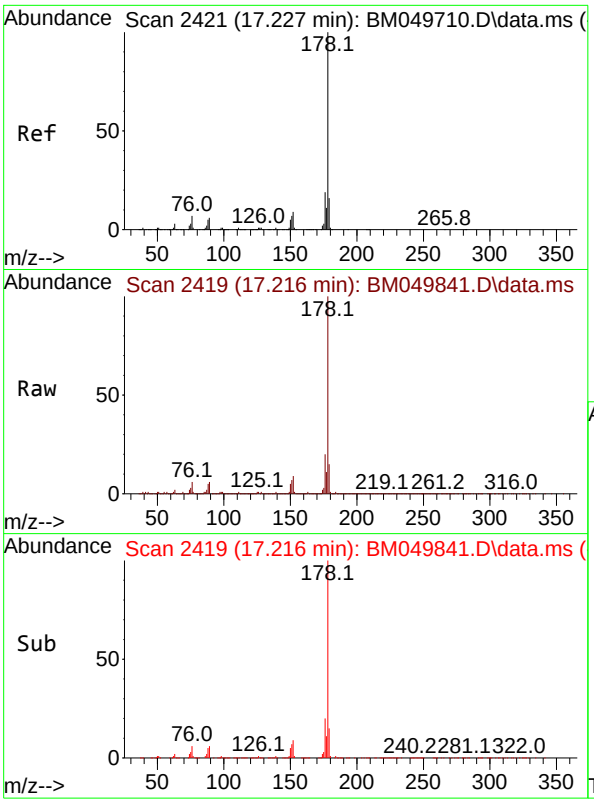


#70
Pentachlorophenol
Concen: 68.913 ng
RT: 16.827 min Scan# 2353
Delta R.T. -0.012 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:266 Resp: 862396

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.2	75.2
264	62.8	51.3	76.9



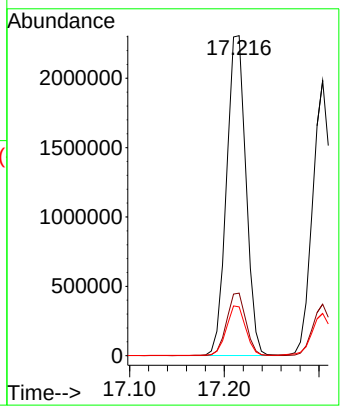


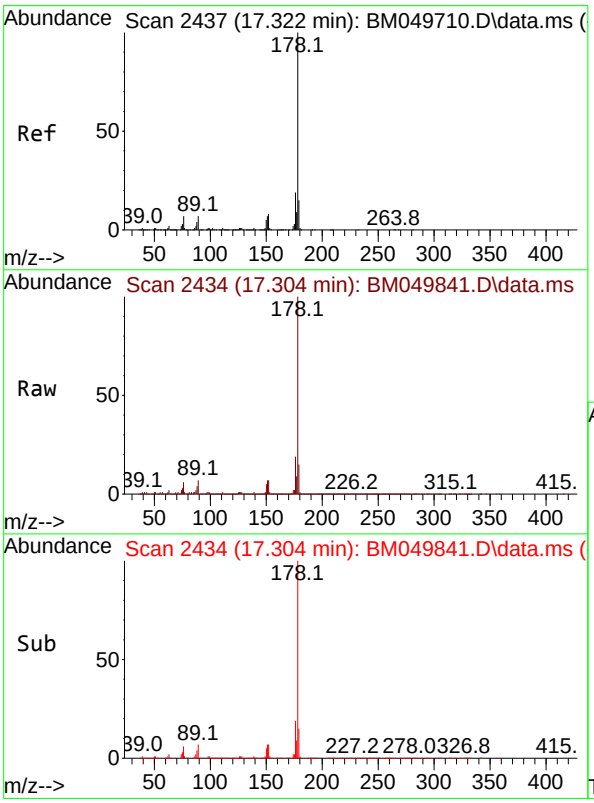
#71
Phenanthrene
Concen: 38.510 ng
RT: 17.216 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:178 Resp: 3279776

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.3	12.5	18.7

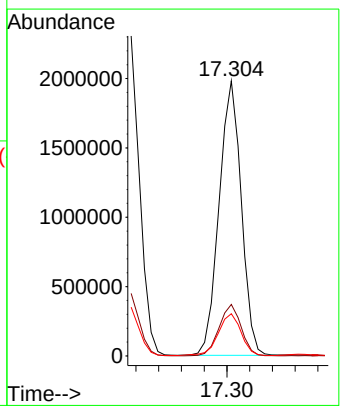


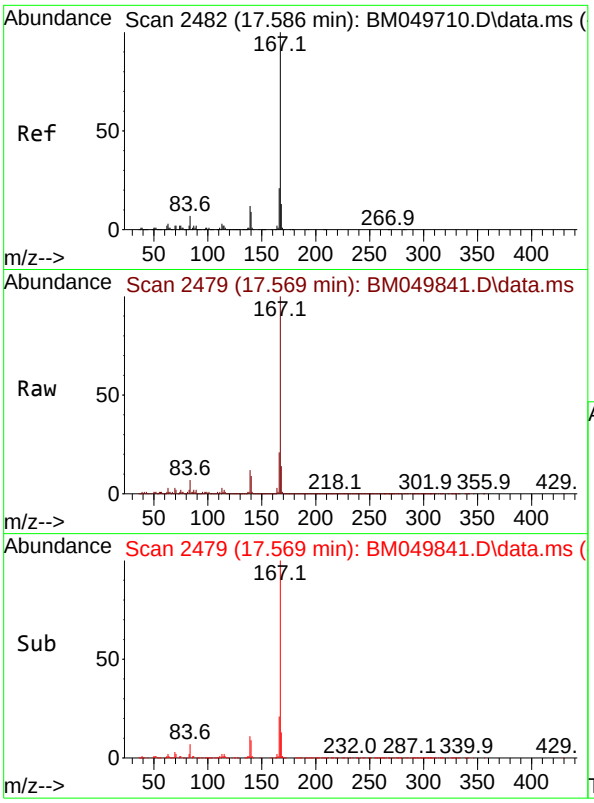


#72
Anthracene
Concen: 32.581 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:178 Resp: 2687250

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.4	12.4	18.6



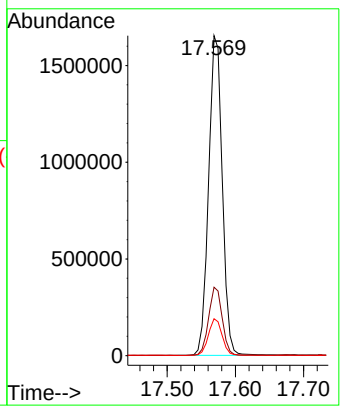


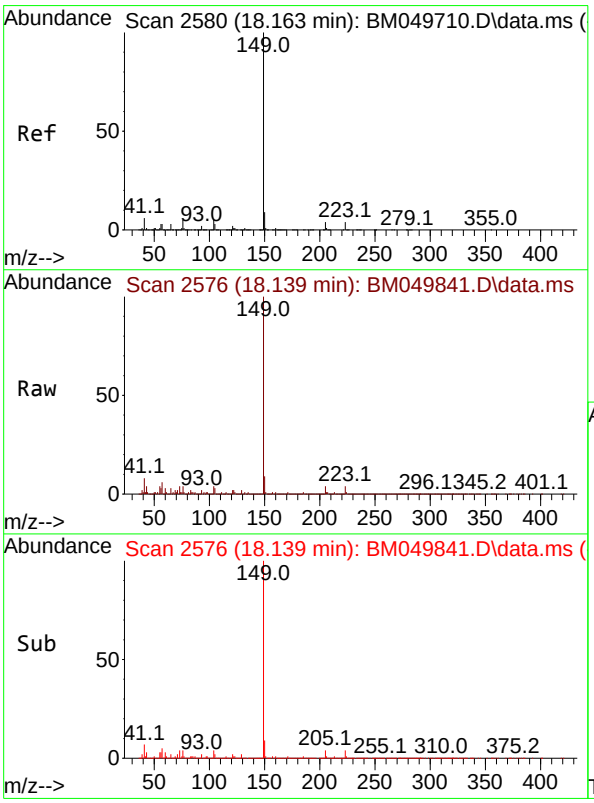
#73
Carbazole
Concen: 30.912 ng
RT: 17.569 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:167 Resp: 2309010

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	11.5	9.4	14.2

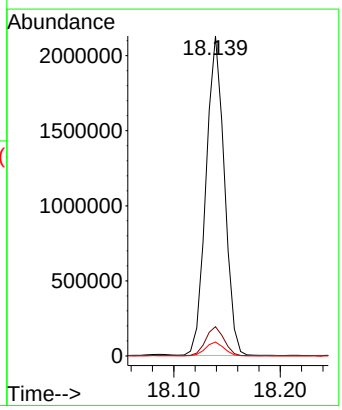


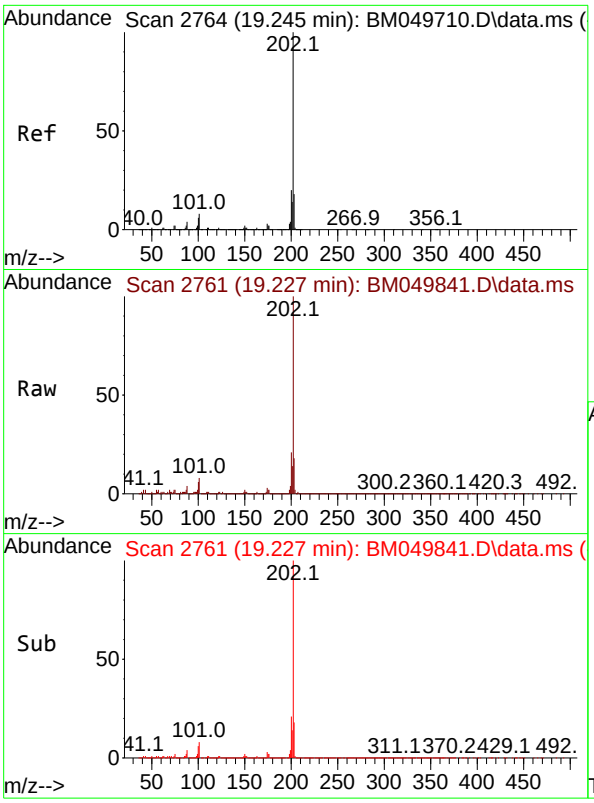


#74
Di-n-butylphthalate
Concen: 31.035 ng
RT: 18.139 min Scan# 2576
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:149 Resp: 2540858

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.4	3.9	5.9



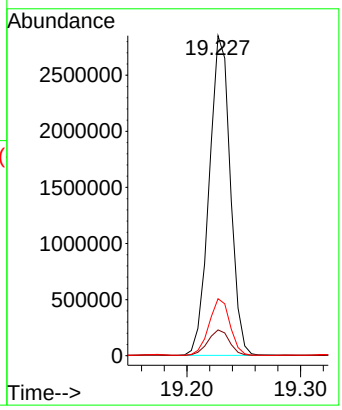


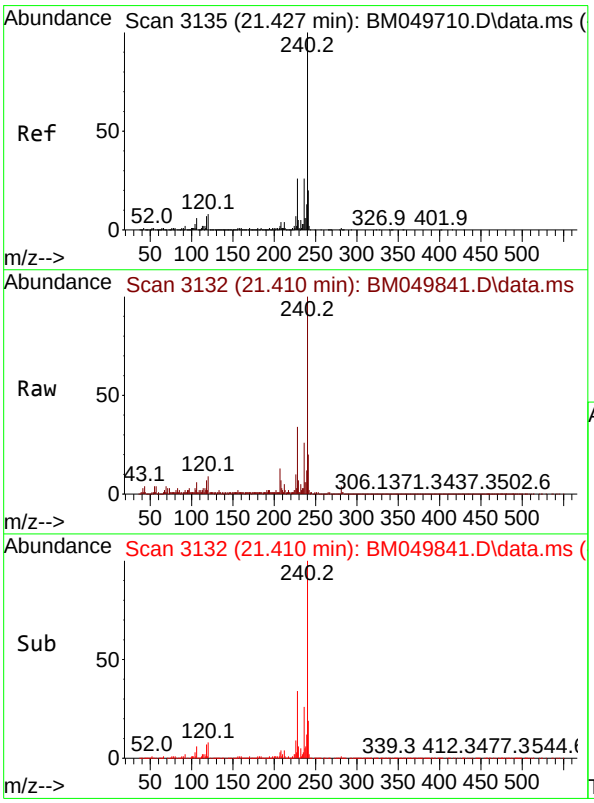
#75
Fluoranthene
Concen: 37.456 ng
RT: 19.227 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:202 Resp: 3672649

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	27.8
203	17.8	0.0	37.6

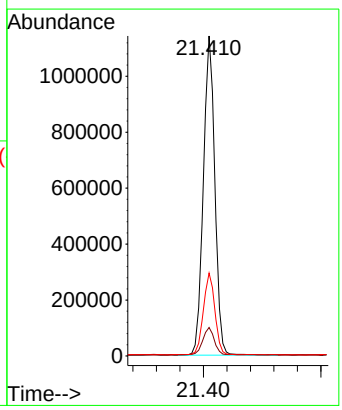


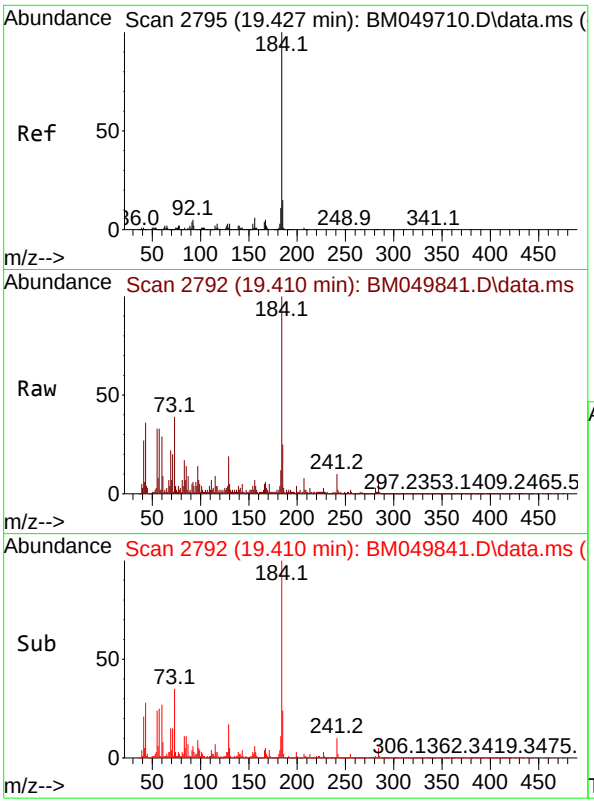


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3132
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:240 Resp: 1544485

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	25.9	20.7	31.1



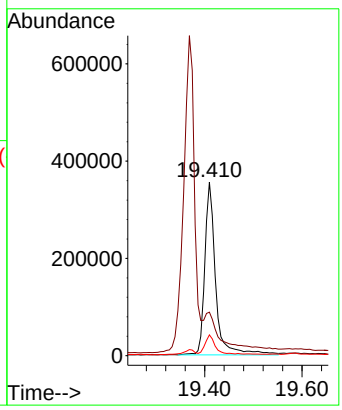


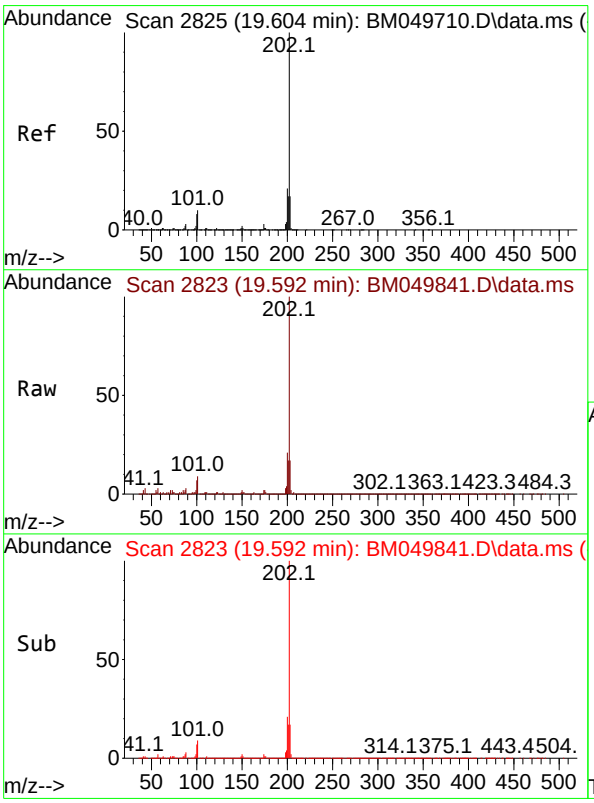
#77
Benzidine
Concen: 29.593 ng
RT: 19.410 min Scan# 2
Delta R.T. -0.017 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:184 Resp: 549114

Ion	Ratio	Lower	Upper
184	100		
185	25.1	11.7	17.5#
183	12.0	8.8	13.2

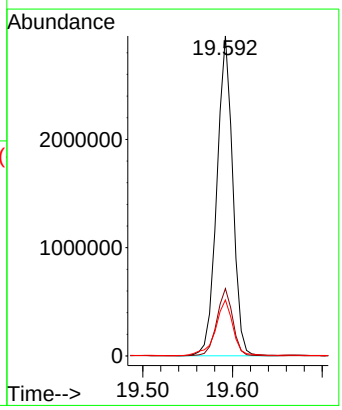


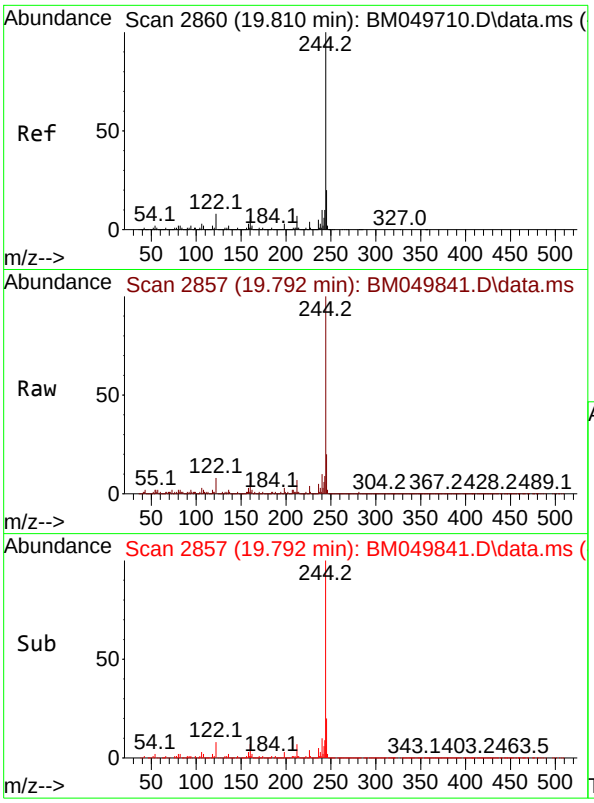


#78
Pyrene
Concen: 33.550 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:202 Resp: 3620268

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.5	14.0	21.0



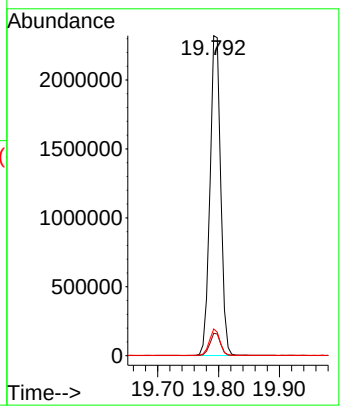


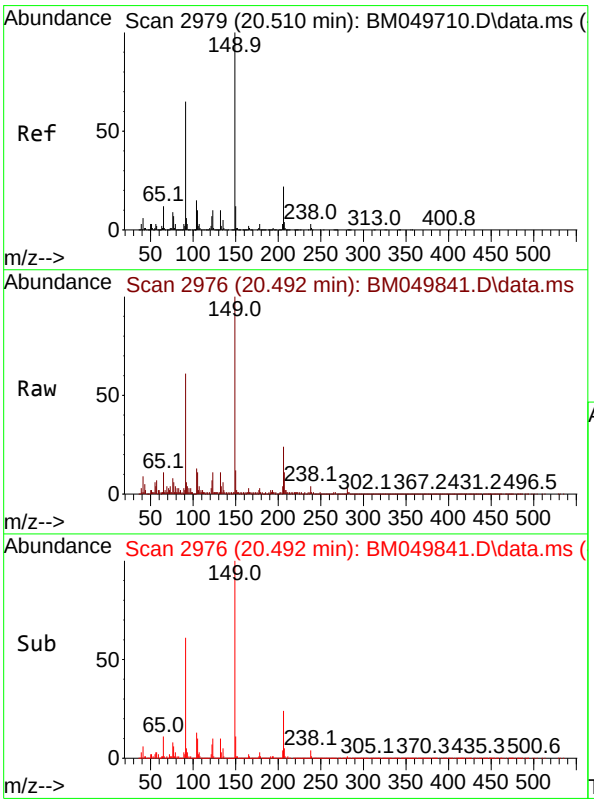
#79
Terphenyl-d14
Concen: 30.909 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:244 Resp: 2832951

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	8.3	6.0	9.0

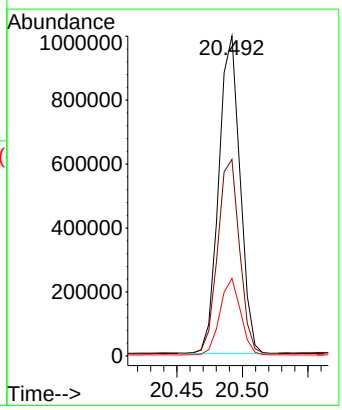


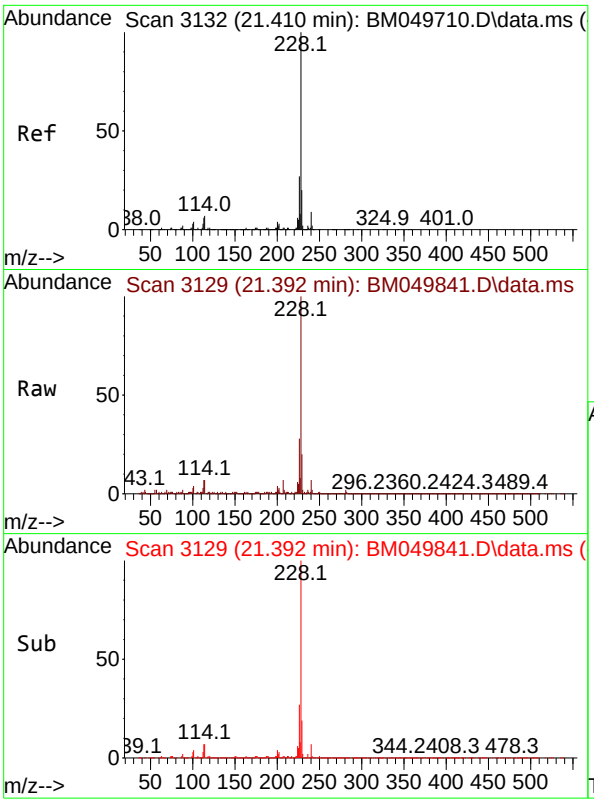


#80
Butylbenzylphthalate
Concen: 33.449 ng
RT: 20.492 min Scan# 2976
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:149 Resp: 1120117

Ion	Ratio	Lower	Upper
149	100		
91	61.4	52.2	78.4
206	24.2	17.6	26.4



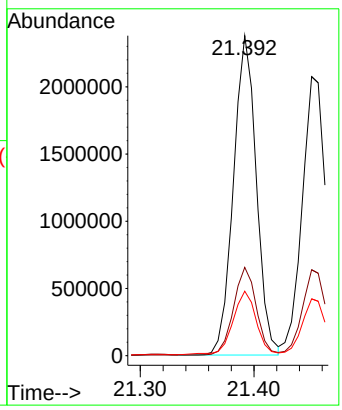


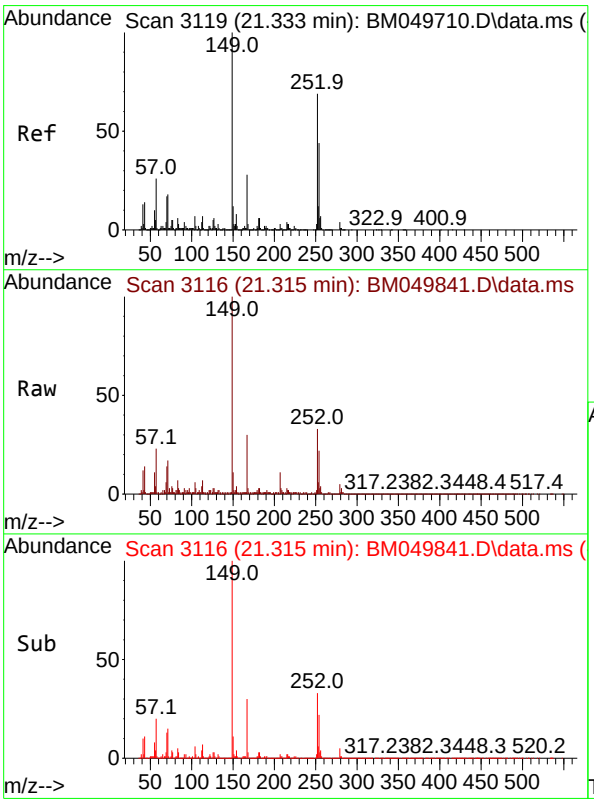
#81
Benzo(a)anthracene
Concen: 32.289 ng
RT: 21.392 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:228 Resp: 3330942

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.0	33.0
229	20.1	15.8	23.8

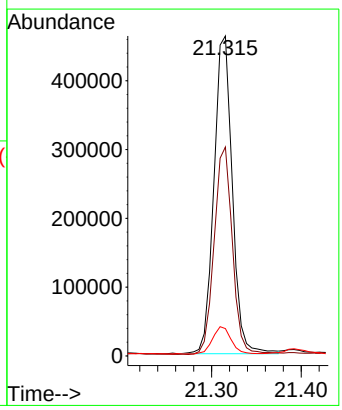


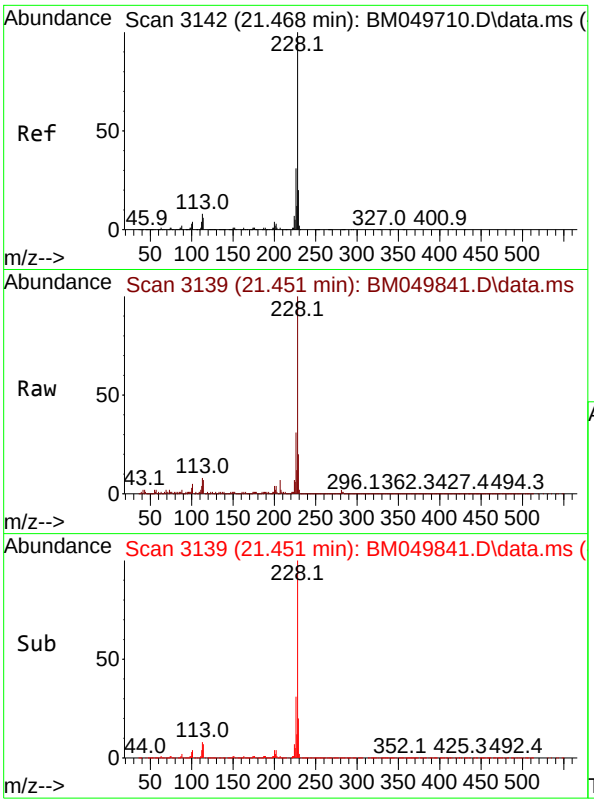


#82
3,3'-Dichlorobenzidine
Concen: 19.569 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:252 Resp: 657250

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.0	76.4
126	8.5	6.3	9.5



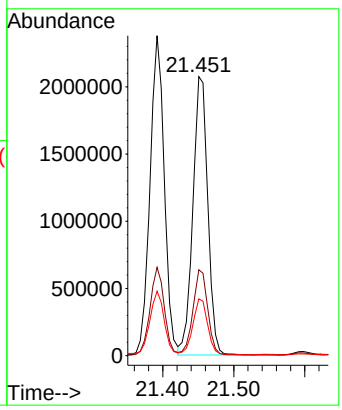


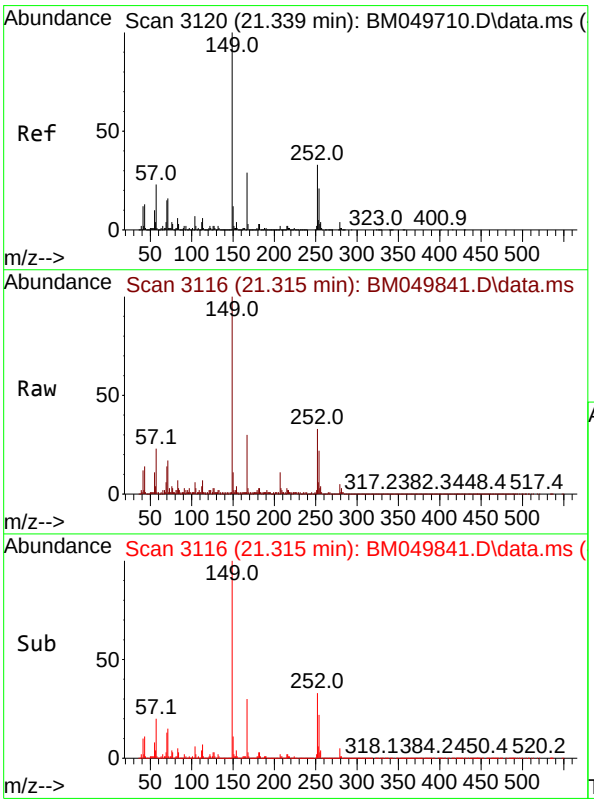
#83
Chrysene
Concen: 30.938 ng
RT: 21.451 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:228 Resp: 3025428

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	20.3	15.8	23.6

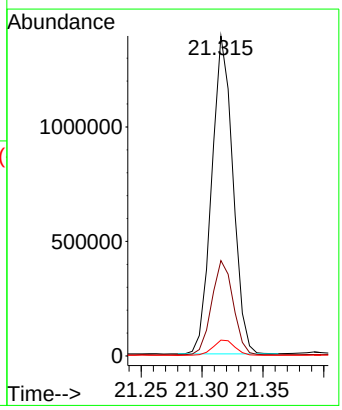


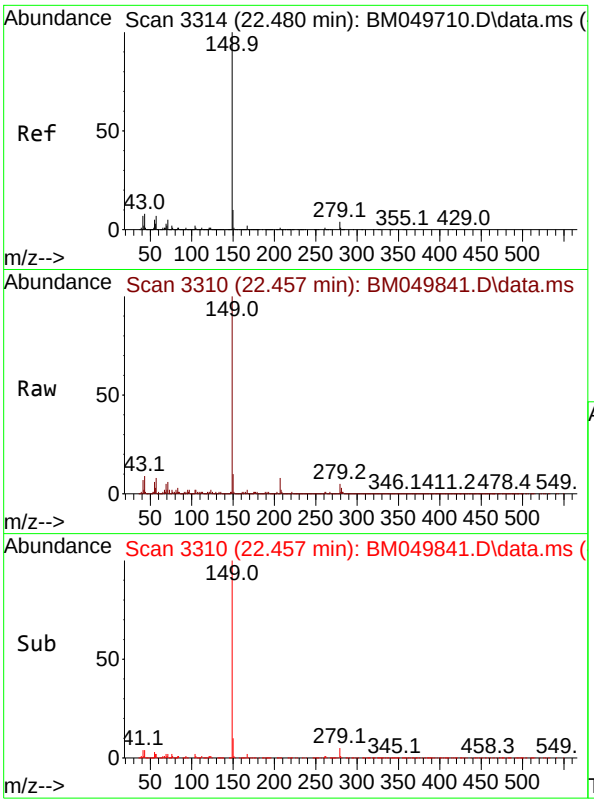


#84
Bis(2-ethylhexyl)phthalate
Concen: 32.162 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:149 Resp: 1678514

Ion	Ratio	Lower	Upper
149	100		
167	29.8	22.9	34.3
279	4.9	3.5	5.3



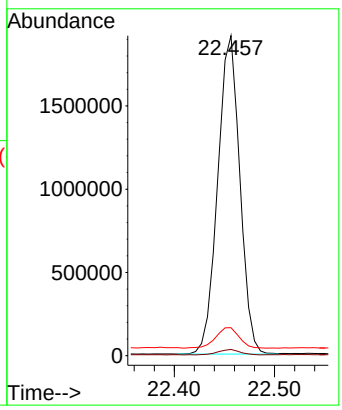


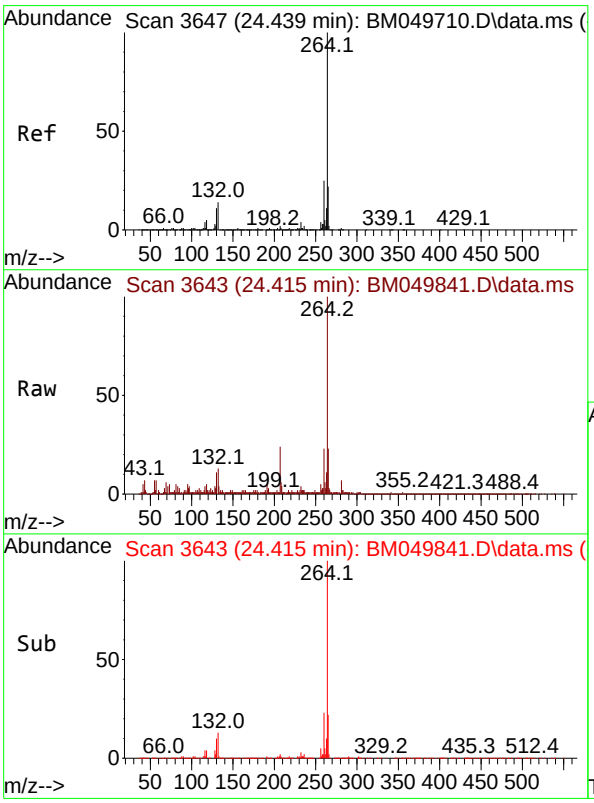
#85
Di-n-octyl phthalate
Concen: 36.176 ng
RT: 22.457 min Scan# 3
Delta R.T. -0.023 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:149 Resp: 2934404

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.7	6.8	10.2#

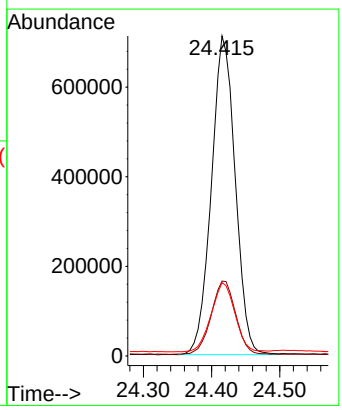


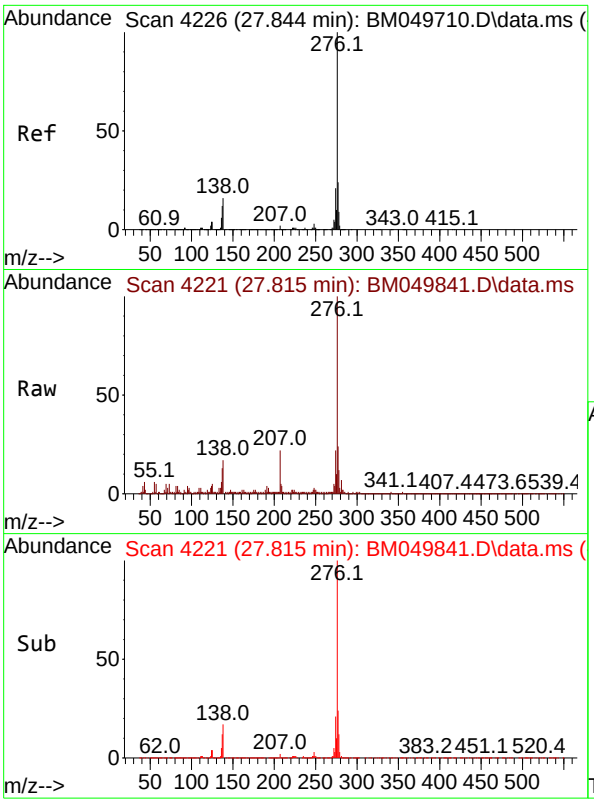


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.415 min Scan# 3643
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:264 Resp: 1732654

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	22.9	18.2	27.2



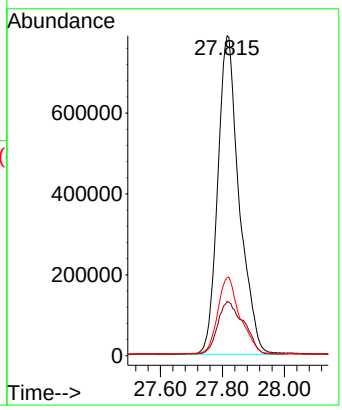


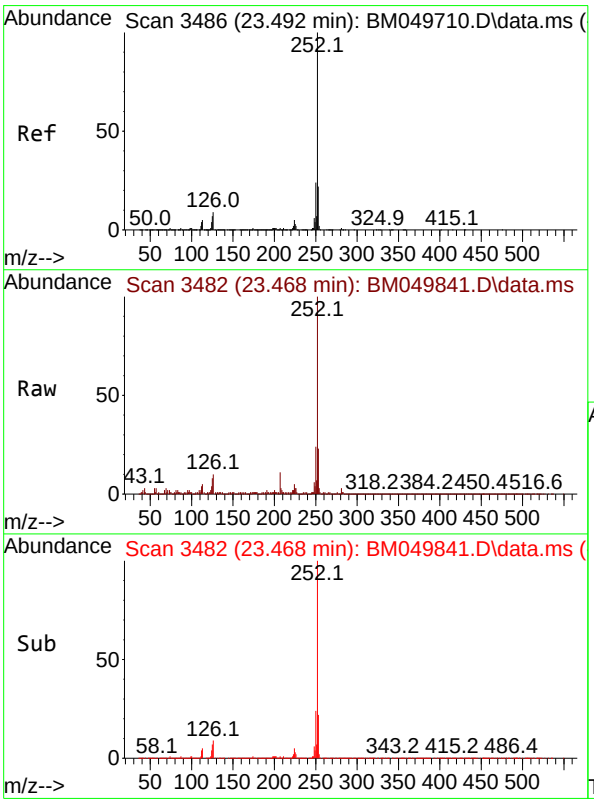
#87
Indeno(1,2,3-cd)pyrene
Concen: 30.366 ng
RT: 27.815 min Scan# 4
Delta R.T. -0.029 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:276 Resp: 3786957

Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.3	24.5
277	25.1	19.9	29.9

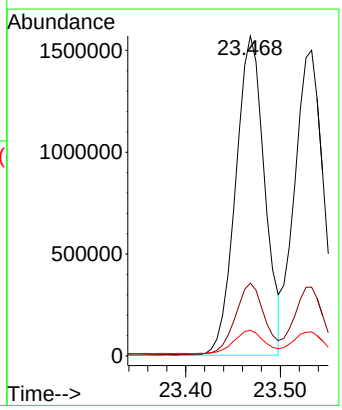


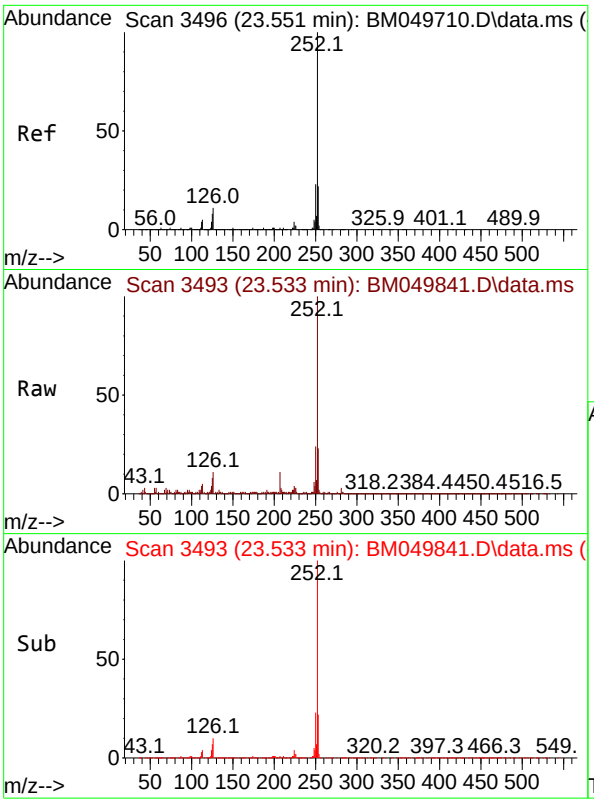


#88
Benzo(b)fluoranthene
Concen: 28.505 ng
RT: 23.468 min Scan# 3482
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:252 Resp: 3326545

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	8.0	5.9	8.9



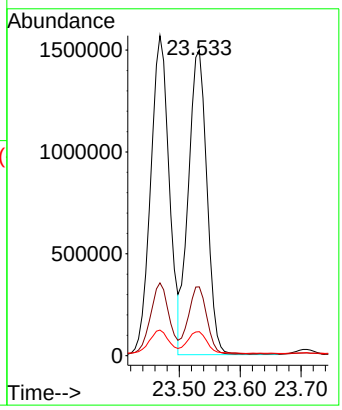


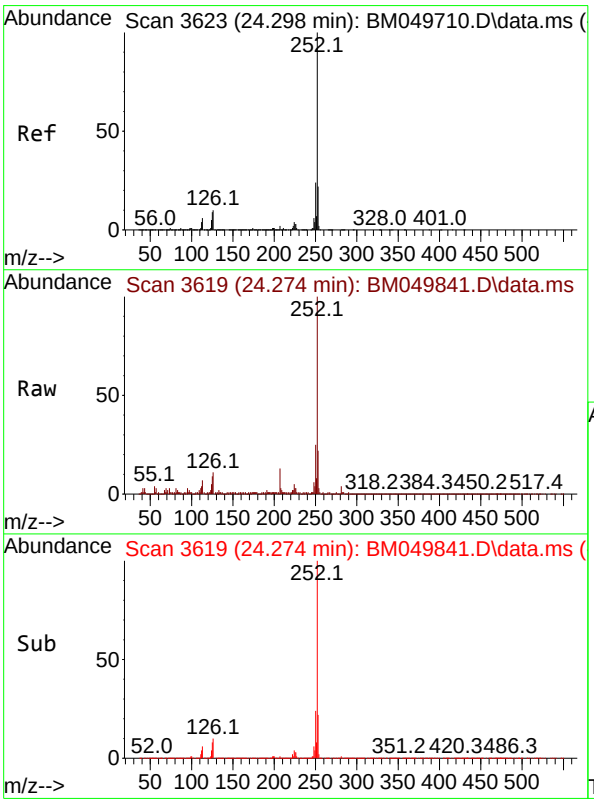
#89
Benzo(k)fluoranthene
Concen: 27.554 ng
RT: 23.533 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:252 Resp: 3164065

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	7.8	6.2	9.2

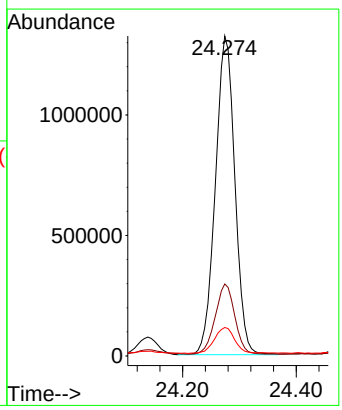


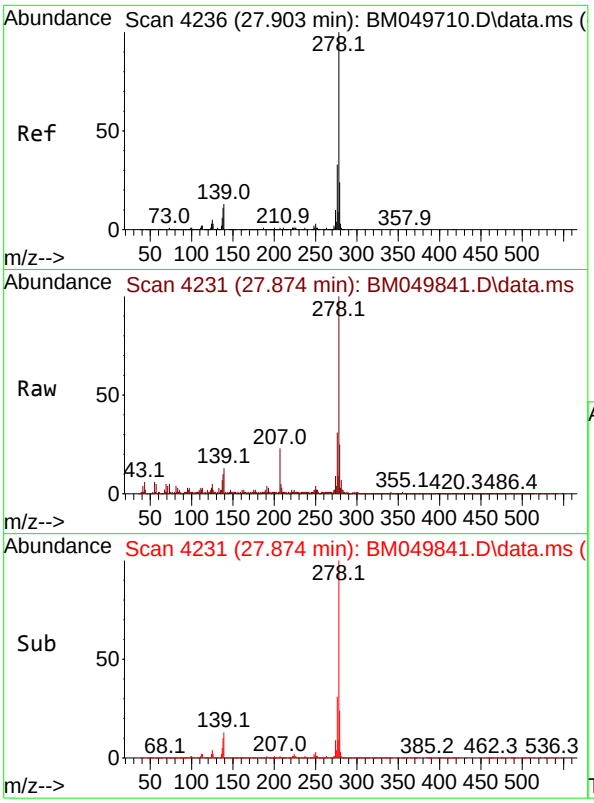


#90
Benzo(a)pyrene
Concen: 32.140 ng
RT: 24.274 min Scan# 3619
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:252 Resp: 3150499

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	8.9	7.0	10.6



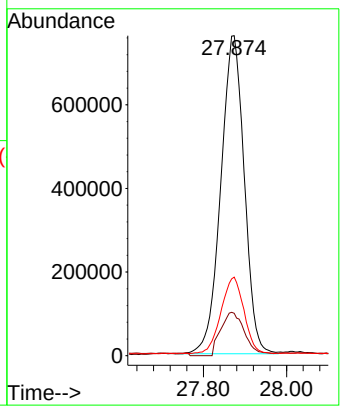


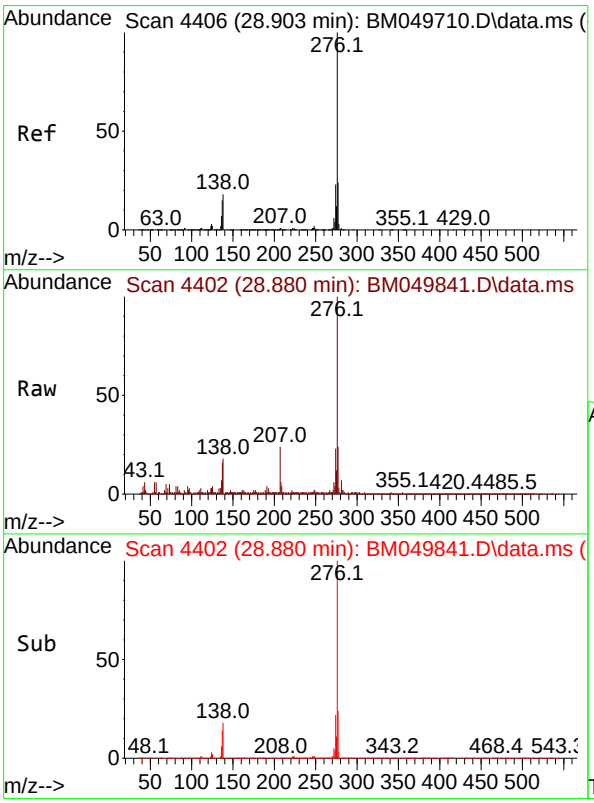
#91
Dibenzo(a,h)anthracene
Concen: 28.696 ng
RT: 27.874 min Scan# 4
Delta R.T. -0.029 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Instrument :
BNA_M
ClientSampleId :
AU-05-040325MSD

Tgt Ion:278 Resp: 2981571

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.1	15.1
279	24.5	19.1	28.7

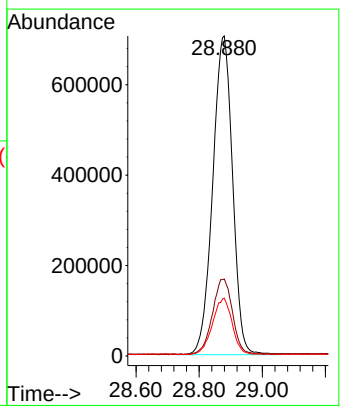




#92
Benzo(g,h,i)perylene
Concen: 29.356 ng
RT: 28.880 min Scan# 4402
Delta R.T. -0.024 min
Lab File: BM049841.D
Acq: 07 Apr 2025 16:02

Tgt Ion:276 Resp: 3072357

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	18.0	14.0	21.0



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Manual Integration Report

Sequence:	BM031325	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049707.D	Acenaphthene	anahy	3/14/2025 4:37:23 PM	Jagrut	3/14/2025 4:41:35 PM	Peak Integrated by Software
SSTDICC010	BM049708.D	Acenaphthene	anahy	3/14/2025 4:38:02 PM	Jagrut	3/14/2025 4:41:38 PM	Peak Integrated by Software
SSTDICC010	BM049708.D	Benzoic acid	anahy	3/14/2025 4:38:02 PM	Jagrut	3/14/2025 4:41:38 PM	Peak Integrated by Software
SSTDICC050	BM049711.D	Pyridine	anahy	3/14/2025 4:38:46 PM	Jagrut	3/14/2025 4:41:41 PM	Peak Integrated by Software
SSTDICC060	BM049712.D	Pyridine	anahy	3/14/2025 4:39:20 PM	Jagrut	3/14/2025 4:41:43 PM	Peak Integrated by Software
SSTDICC080	BM049713.D	Pyridine	anahy	3/14/2025 4:39:55 PM	Jagrut	3/14/2025 4:41:46 PM	Peak Integrated by Software
SSTDICV040	BM049714.D	Pyridine	anahy	3/14/2025 4:40:27 PM	Jagrut	3/14/2025 4:41:48 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM040725	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167457BS	BM049835.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:51:17 AM	Jagrut	4/8/2025 4:14:30 PM	Peak Integrated by Software
Q1721-02MS	BM049840.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:52:00 AM	Jagrut	4/8/2025 4:14:33 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	2,2"-oxybis(1-Chloropropane)	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	2,3,4,6-Tetrachlorophenol	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software
Q1721-02MSD	BM049841.D	Benzoic acid	anahy	4/8/2025 11:53:04 AM	Jagrut	4/8/2025 4:14:36 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM031325

Review By	anahy	Review On	3/14/2025 4:40:45 PM				
Supervise By	Jagrut	Supervise On	3/14/2025 4:41:58 PM				
SubDirectory	BM031325	HP Acquire Method	BNA_M		HP Processing Method	bm031325	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049705.D	13 Mar 2025 08:24	RC/JU	Ok
2	SSTDICC2.5	BM049706.D	13 Mar 2025 09:02	RC/JU	Ok
3	SSTDICC005	BM049707.D	13 Mar 2025 09:42	RC/JU	Ok,M
4	SSTDICC010	BM049708.D	13 Mar 2025 10:21	RC/JU	Ok,M
5	SSTDICC020	BM049709.D	13 Mar 2025 11:00	RC/JU	Ok
6	SSTDICCC040	BM049710.D	13 Mar 2025 11:39	RC/JU	Ok
7	SSTDICC050	BM049711.D	13 Mar 2025 12:19	RC/JU	Ok,M
8	SSTDICC060	BM049712.D	13 Mar 2025 12:58	RC/JU	Ok,M
9	SSTDICC080	BM049713.D	13 Mar 2025 13:37	RC/JU	Ok,M
10	SSTDICV040	BM049714.D	13 Mar 2025 14:41	RC/JU	Ok,M
11	PB167097BL	BM049715.D	13 Mar 2025 15:20	RC/JU	Ok
12	Q1502-22	BM049716.D	13 Mar 2025 16:00	RC/JU	Not Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040725

Review By	anahy	Review On	4/8/2025 12:29:39 PM				
Supervise By	Jagrut	Supervise On	4/8/2025 4:14:54 PM				
SubDirectory	BM040725	HP Acquire Method	BNA_M		HP Processing Method	bm031325	

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	BM049832.D	07 Apr 2025 10:04	RC/JU	Ok
2	SSTDCCC040	BM049833.D	07 Apr 2025 10:43	RC/JU	Ok
3	PB167457BL	BM049834.D	07 Apr 2025 11:23	RC/JU	Ok
4	PB167457BS	BM049835.D	07 Apr 2025 12:02	RC/JU	Ok,M
5	Q1675-21	BM049836.D	07 Apr 2025 12:45	RC/JU	Ok
6	Q1675-20	BM049837.D	07 Apr 2025 13:24	RC/JU	Ok
7	Q1675-18	BM049838.D	07 Apr 2025 14:04	RC/JU	Ok
8	Q1675-19	BM049839.D	07 Apr 2025 14:43	RC/JU	Ok
9	Q1721-02MS	BM049840.D	07 Apr 2025 15:22	RC/JU	Ok,M
10	Q1721-02MSD	BM049841.D	07 Apr 2025 16:02	RC/JU	Ok,M
11	Q1737-01	BM049842.D	07 Apr 2025 16:41	RC/JU	Ok,M
12	Q1738-01	BM049843.D	07 Apr 2025 17:20	RC/JU	Ok
13	Q1712-01DL	BM049844.D	07 Apr 2025 17:59	RC/JU	Not Ok
14	Q1733-01	BM049845.D	07 Apr 2025 18:39	RC/JU	Ok,M
15	Q1732-01	BM049846.D	07 Apr 2025 19:18	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 # BM031325

Review By	anahy	Review On	3/14/2025 4:40:45 PM		
Supervise By	Jagrut	Supervise On	3/14/2025 4:41:58 PM		
SubDirectory	BM031325	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/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	BM049705.D	13 Mar 2025 08:24		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049706.D	13 Mar 2025 09:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049707.D	13 Mar 2025 09:42	Compound#9,32,54,56,65,70,77, 82,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049708.D	13 Mar 2025 10:21		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049709.D	13 Mar 2025 11:00		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049710.D	13 Mar 2025 11:39	Compound#62 Kept on LR & 54,65 Kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049711.D	13 Mar 2025 12:19		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM049712.D	13 Mar 2025 12:58	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049713.D	13 Mar 2025 13:37	Compound#9,42,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM031325	BM049714.D	13 Mar 2025 14:41		RC/JU	Ok,M
11	PB167097BL	PB167097BL	BM049715.D	13 Mar 2025 15:20	Use for DOD Projects only	RC/JU	Ok
12	Q1502-22	RR-TRIAZINE-WP	BM049716.D	13 Mar 2025 16:00	PT Sample - Already analyzed.	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 # BM040725

Review By	anahy	Review On	4/8/2025 12:29:39 PM		
Supervise By	Jagrut	Supervise On	4/8/2025 4:14:54 PM		
SubDirectory	BM040725	HP Acquire Method	BNA_M	HP Processing Method	bm031325

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	BM049832.D	07 Apr 2025 10:04		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049833.D	07 Apr 2025 10:43		RC/JU	Ok
3	PB167457BL	PB167457BL	BM049834.D	07 Apr 2025 11:23		RC/JU	Ok
4	PB167457BS	PB167457BS	BM049835.D	07 Apr 2025 12:02		RC/JU	Ok,M
5	Q1675-21	K3	BM049836.D	07 Apr 2025 12:45		RC/JU	Ok
6	Q1675-20	K2	BM049837.D	07 Apr 2025 13:24		RC/JU	Ok
7	Q1675-18	K1P	BM049838.D	07 Apr 2025 14:04		RC/JU	Ok
8	Q1675-19	K1	BM049839.D	07 Apr 2025 14:43		RC/JU	Ok
9	Q1721-02MS	AU-05-040325MS	BM049840.D	07 Apr 2025 15:22		RC/JU	Ok,M
10	Q1721-02MSD	AU-05-040325MSD	BM049841.D	07 Apr 2025 16:02		RC/JU	Ok,M
11	Q1737-01	RT3069	BM049842.D	07 Apr 2025 16:41		RC/JU	Ok,M
12	Q1738-01	OK-02-040425	BM049843.D	07 Apr 2025 17:20		RC/JU	Ok
13	Q1712-01DL	Z-05ADL	BM049844.D	07 Apr 2025 17:59	Need further 5X Dilution, Not used not ok	RC/JU	Not Ok
14	Q1733-01	ETGI-328	BM049845.D	07 Apr 2025 18:39		RC/JU	Ok,M
15	Q1732-01	TT-8	BM049846.D	07 Apr 2025 19:18		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 03/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135225

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
Q1597-08	1-CONCRETE-SLAB	1	1.15	8.66	9.81	9.54	96.9	
Q1597-09	2-CONCRETE-SLAB	2	1.18	8.52	9.7	9.25	94.7	
Q1597-10	3-CONCRETE-SLAB	3	1.19	8.53	9.72	9.17	93.6	
Q1632-05	PIER-1-2	25	1.17	10.40	11.57	11.09	95.4	
Q1672-01	TP-8	4	1.18	10.24	11.42	10.66	92.6	
Q1672-02	TP-8-EPH	6	1.15	9.72	10.87	10.4	95.2	
Q1672-03	TP-8-VOC	5	1.13	10.11	11.24	10.00	87.7	
Q1674-01	RT5358	7	1.16	10.12	11.28	10.19	89.2	
Q1674-03	72-11991	8	1.19	10.27	11.46	9.84	84.2	
Q1675-01	P1	26	1.15	10.21	11.36	10.93	95.8	
Q1675-02	P2	27	1.19	10.57	11.76	11.39	96.5	
Q1675-03	P3	28	1.15	10.43	11.58	11.09	95.3	
Q1675-05	P5	29	1.18	10.78	11.96	11.11	92.1	
Q1675-06	P6	30	1.19	10.65	11.84	11.31	95.0	
Q1675-07	T1	31	1.18	10.08	11.26	10.53	92.8	
Q1675-08	T2	32	1.15	10.74	11.89	9.79	80.4	
Q1675-09	T3	33	1.17	10.50	11.67	9.82	82.4	
Q1675-10	T4	34	1.18	10.26	11.44	9.77	83.7	
Q1675-11	T5	35	1.18	10.41	11.59	9.84	83.2	
Q1675-12	T6	36	1.18	10.70	11.88	10.18	84.1	
Q1675-13	D1	37	1.18	10.40	11.58	9.67	81.6	
Q1675-14	D2	38	1.19	10.43	11.62	11.14	95.4	
Q1675-15	D3	39	1.18	10.26	11.44	10.97	95.4	
Q1675-16	D4	40	1.16	10.10	11.26	10.74	94.9	
Q1675-17	D5	41	1.18	10.76	11.94	11.36	94.6	
Q1675-18	K1P	42	1.15	11.65	12.8	11.03	84.8	
Q1675-19	K1	43	1.14	10.41	11.55	11.08	95.5	
Q1675-20	K2	44	1.18	10.45	11.63	11.18	95.7	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 03/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135225

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
Q1675-21	K3	45	1.17	10.15	11.32	10.9	95.9	
Q1676-05	SVOC-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1676-06	PEST-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1676-07	PEST-GPC-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q1676-08	PCB-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1676-09	PCB-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1676-10	SVOC-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q1676-11	PEST-GPC2-BLANK	15	1.00	1.00	2.00	2.00	100.0	
Q1676-12	PEST-GPC2-BLANK-SPIKE	16	1.00	1.00	2.00	2.00	100.0	
Q1676-13	PCB-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q1676-14	PCB-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q1677-01	JEI299N-1-1	19	1.00	1.00	2.00	2.00	100.0	pilc
Q1677-02	JEI299N-1-2	20	1.00	1.00	2.00	2.00	100.0	pilc
Q1677-03	HIH445B-1-1	21	1.00	1.00	2.00	2.00	100.0	pilc
Q1677-04	HIH445B-1-1	22	1.00	1.00	2.00	2.00	100.0	pilc
Q1678-01	MOO-25-0082	23	1.00	1.00	2.00	2.00	100.0	debris
Q1678-02	MOO-25-0082-87-88	24	1.14	10.54	11.68	10.55	89.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VR 13 5225

WorkList Name : %1-032825 **WorkList ID :** 188606 **Department :** Wet-Chemistry **Date :** 03-28-2025 08:10:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1675-01	P1	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-02	P2	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-03	P3	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-05	P5	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-06	P6	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-07	T1	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-20	K2	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-21	K3	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/28/2025	Chemtech -SO
Q1675-14	D2	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/28/2025	Chemtech -SO
Q1675-15	D3	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-16	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-17	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-18	K1P	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-19	K1	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/28/2025	Chemtech -SO
Q1675-08	T2	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/28/2025	Chemtech -SO
Q1675-09	T3	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-10	T4	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-11	T5	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-12	T6	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1675-13	D1	Solid	Percent Solids	Cool 4 deg C	GENV01	I31	03/27/2025	Chemtech -SO
Q1676-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO

Date/Time 03/28/25 15:20

Raw Sample Received by: JB WDC

Raw Sample Relinquished by: GH

Date/Time 03/28/25 17:10

Raw Sample Received by: SM

Raw Sample Relinquished by: WDC

WORKLIST(Hardcopy Internal Chain)

VB 135225

WorkList Name : %1-032825 **WorkList ID :** 188606 **Department :** Wet-Chemistry **Date :** 03-28-2025 08:10:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1676-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1676-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1597-08	1-CONCRETE-SLAB	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/28/2025	Chemtech -SO
Q1597-09	2-CONCRETE-SLAB	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/18/2025	Chemtech -SO
Q1597-10	3-CONCRETE-SLAB	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/18/2025	Chemtech -SO
Q1632-05	PIER-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/18/2025	Chemtech -SO
Q1672-01	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/24/2025	Chemtech -SO
Q1672-02	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1677-04	HIH445B-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1678-01	MOO-25-0082	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1678-02	MOO-25-0082-87-88	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1672-03	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1674-01	RT5358	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1674-03	72-11991	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO

Date/Time 03/28/25 15:20

Raw Sample Received by: JB WOC

Raw Sample Relinquished by: SM

Date/Time 03/28/25 17:10

Raw Sample Received by: SM

Raw Sample Relinquished by: JB WOC

WORKLIST(Hardcopy Internal Chain)

B5225

WorkList Name : %1-032825 **WorkList ID :** 188606 **Department :** Wet-Chemistry **Date :** 03-28-2025 08:10:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1677-01	JEI299N-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1677-02	JEI299N-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO
Q1677-03	HIH445B-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/28/2025	Chemtech -SO

Date/Time 03/28/25 15:20

Raw Sample Received by: JB WDC

Raw Sample Relinquished by: SM

Date/Time 03/28/25 17:10

Raw Sample Received by: SM

Raw Sample Relinquished by: JB WDC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167457

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 : 04/04/2025

Extraction Start Time : 08:55

Extraction End Date : 04/04/2025

Extraction End Time : 13:25

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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673. Q1675-18,19,20,21 Added in batch at 10:32.

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
04/04/25	RP (Ext Lab)	RC/SVOC
13:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167457

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/04/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167457BL	SBLK457	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U3-1
PB167457BS	SLCS457	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q1675-18	K1P	SVOCMS Group1	30.07	N/A	ritesh	Evelyn	1		Stone	3
Q1675-19	K1	SVOCMS Group1	30.04	N/A	ritesh	Evelyn	1		Stone	4
Q1675-20	K2	SVOCMS Group1	30.01	N/A	ritesh	Evelyn	1	A	Stone	5
Q1675-21	K3	SVOCMS Group1	30.05	N/A	ritesh	Evelyn	1	A	Stone	6
Q1712-01	Z-05A	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	C		3
Q1712-05	TT-7	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	C		4
Q1721-02	AU-05-040325	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q1721-02MS	AU-05-040325MS	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		6
Q1721-02MS D	AU-05-040325MSD	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		U2-1

* **Extracts relinquished on the same date as received.**

10745?
8:55

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1721S **WorkList ID :** 188723 **Department :** Extraction **Date :** 04-04-2025 08:11:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1712-01	Z-05A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L22	04/02/2025	8270E
Q1712-05	TT-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L22	04/03/2025	8270E
Q1721-02	AU-05-040325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L31	04/03/2025	8270E

Date/Time 04/04/25 8:50
Raw Sample Received by: RJ (Est 1.4)
Raw Sample Relinquished by: SM

Date/Time 04/04/25 9:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Est 4.5)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1675S **WorkList ID :** 188744 **Department :** Extraction **Date :** 04-04-2025 10:32:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1675-18	K1P	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-19	K1	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-20	K2	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E
Q1675-21	K3	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	I31	03/28/2025	8270E

Date/Time 04/04/25 10:32

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/04/25 10:05

Raw Sample Received by:

Raw Sample Relinquished by:

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

Prep Standard - Chemical Standard Summary

Order ID : Q1675

Test : SVOCMS Group1

Prepbatch ID : PB167457,

Sequence ID/Qc Batch ID: bm040725,

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,S12657,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	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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Fax : 908 789 8922

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

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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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Fax : 908 789 8922

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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Fax : 908 789 8922

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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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	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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CHEMICAL RECEIPT LOG BOOK

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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	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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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	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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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	10/01/2025	04/01/2025 / anahy	09/20/2024 / anahy	S12657

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

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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	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

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

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

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(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

CPI INTERNATIONAL

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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.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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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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.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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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)

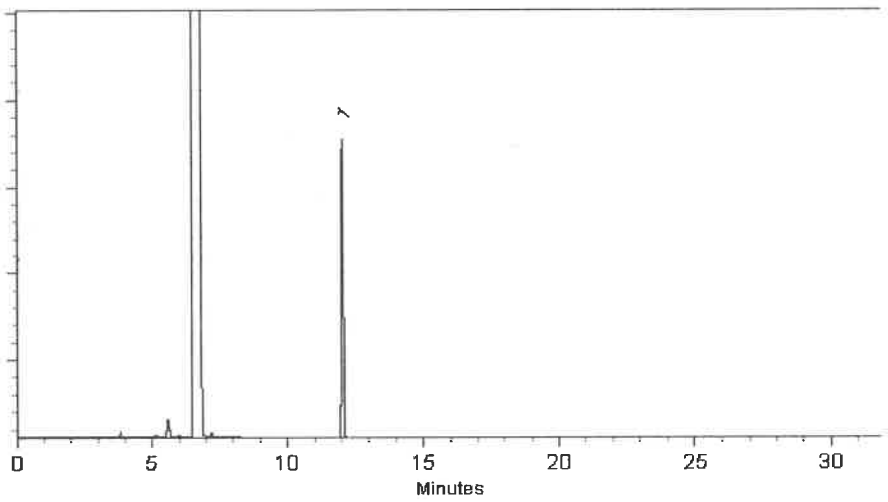
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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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.

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

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

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

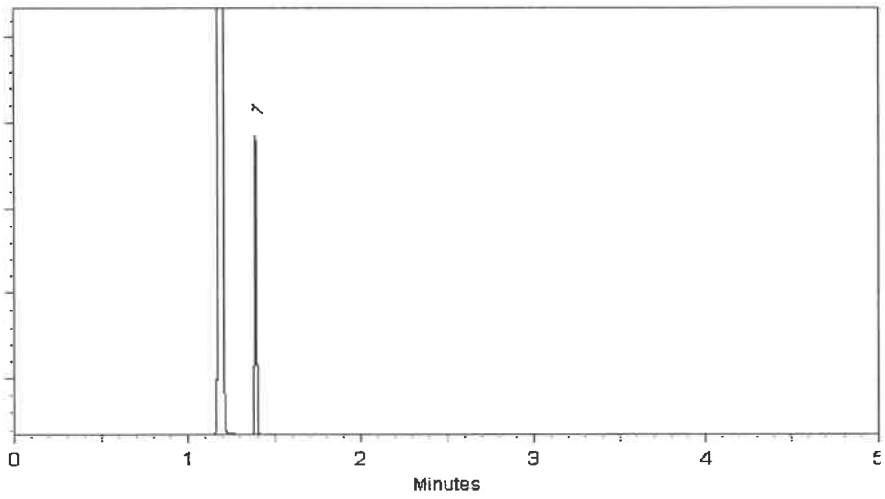
Inj. Temp:
250°C

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.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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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. : 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.)

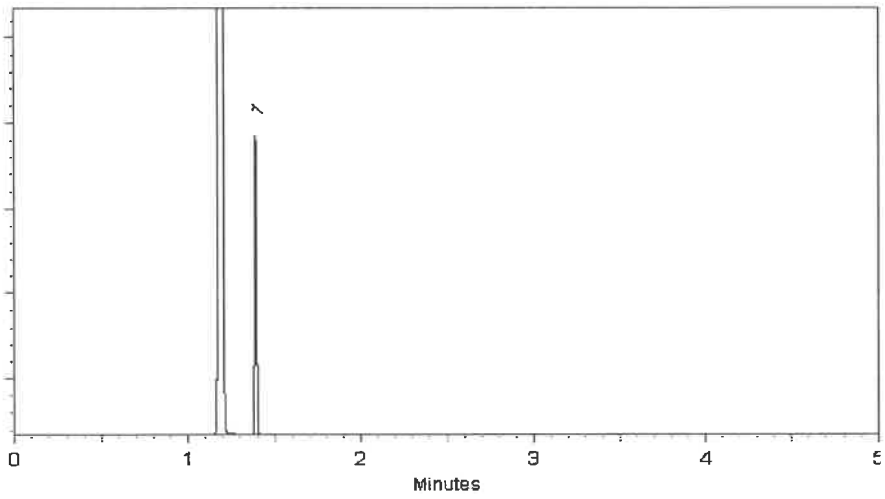
Inj. Temp:
250°C

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.
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Purity Notes:

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Certified Uncertainty Value Notes:

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Certificate of Analysis

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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.)

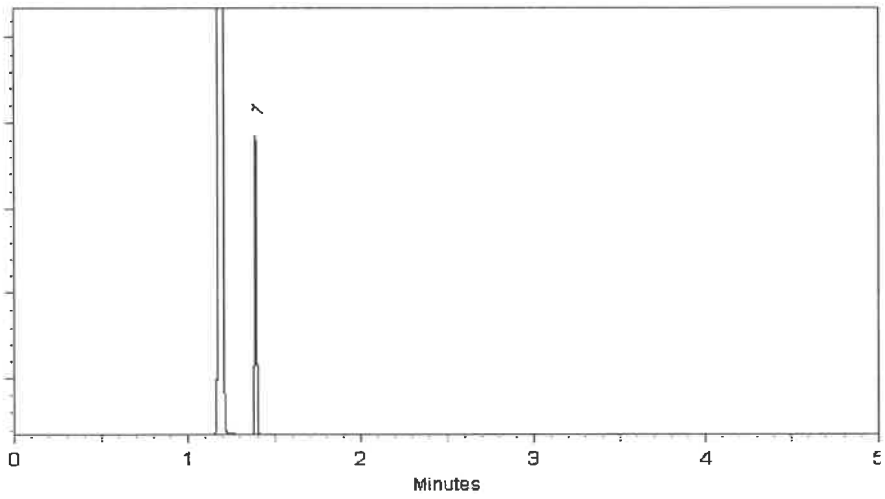
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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:

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Certified Uncertainty Value 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:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.)

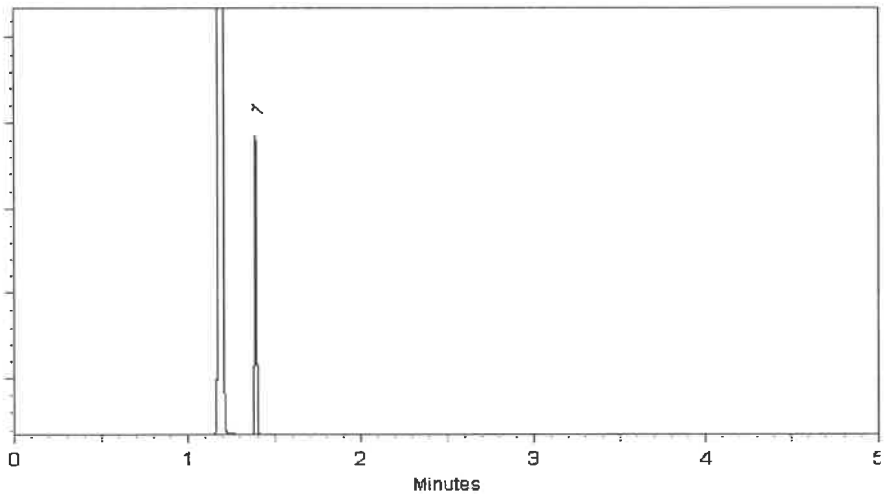
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

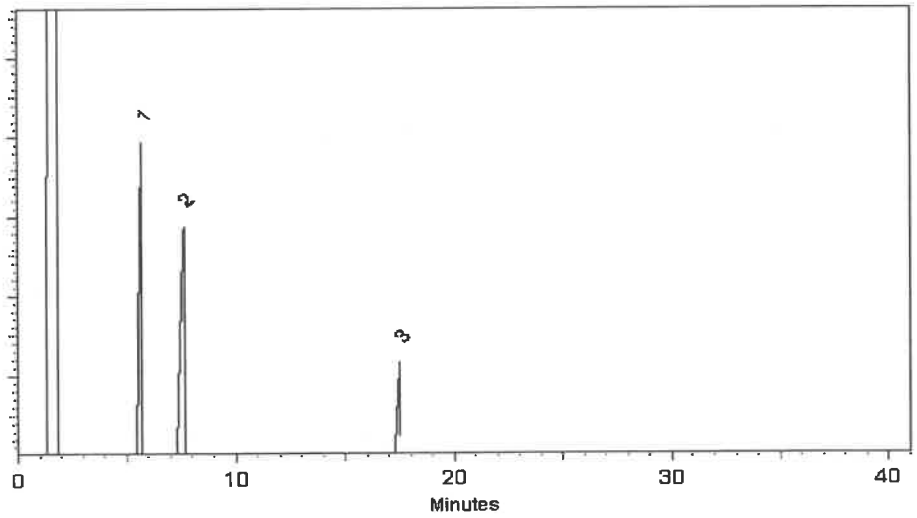
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

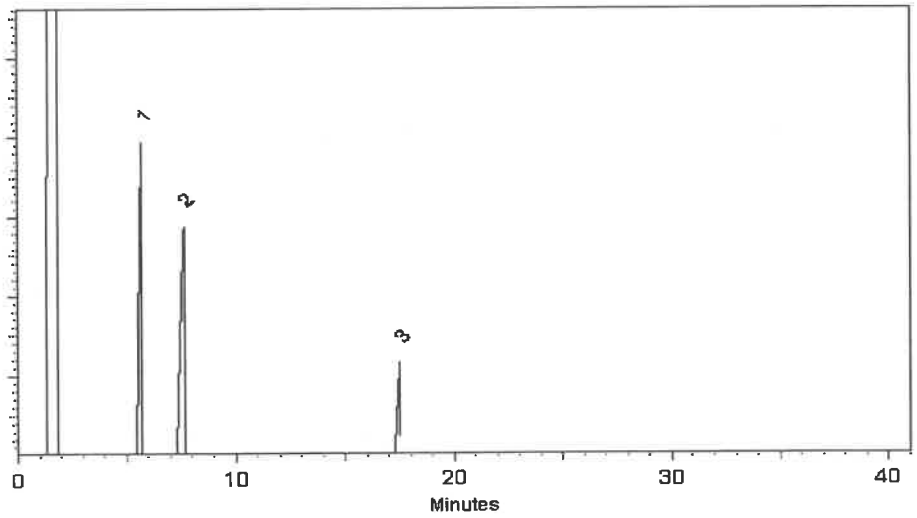
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

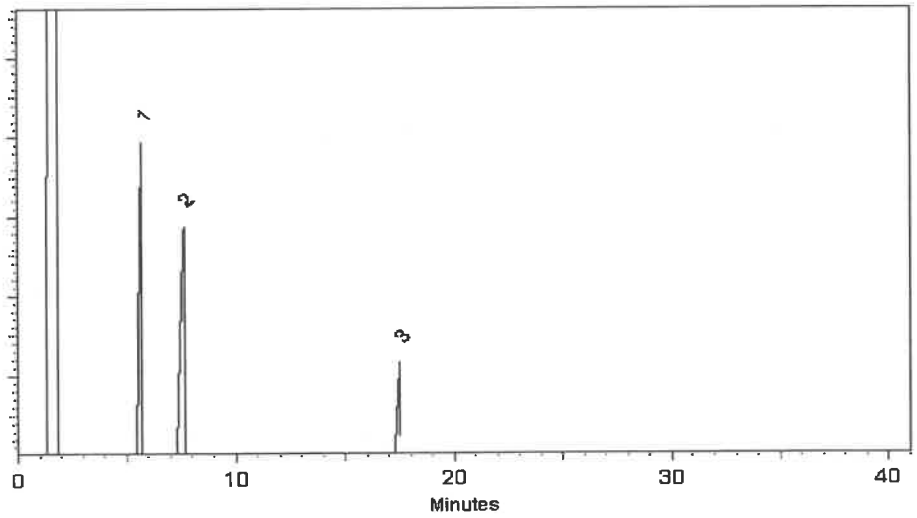
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

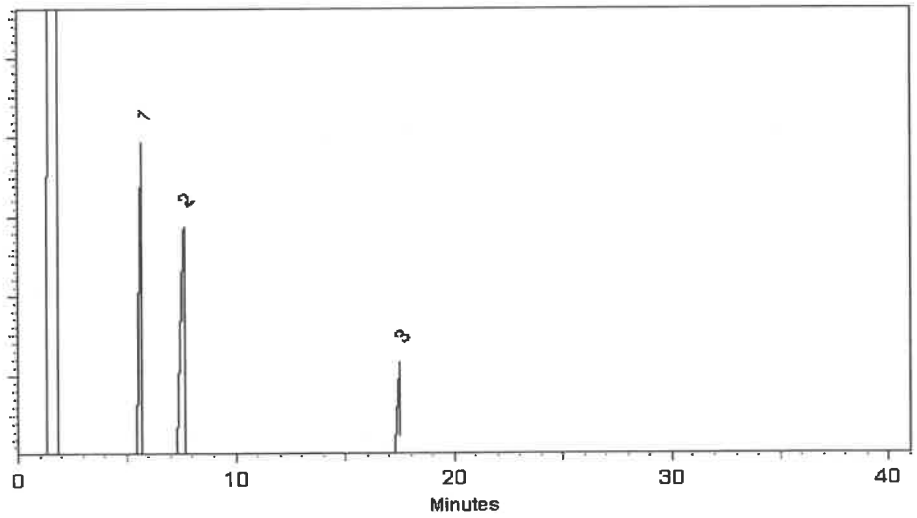
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

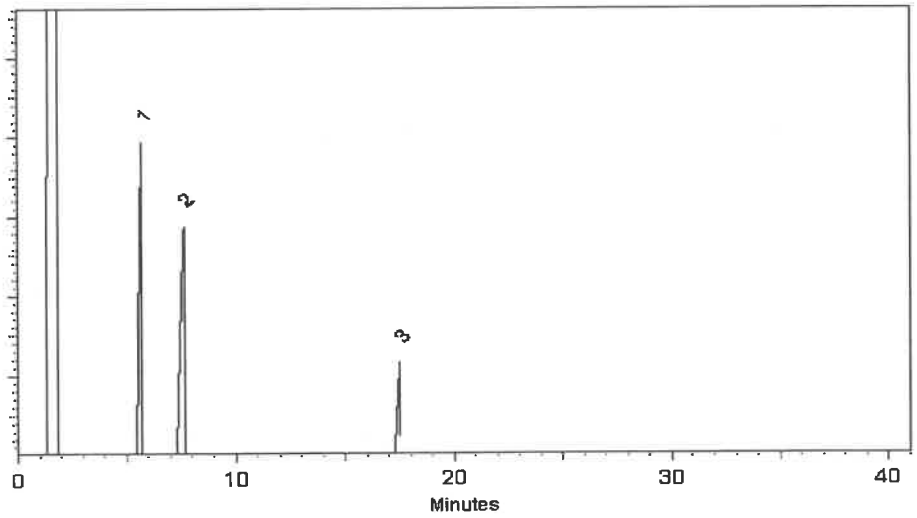
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

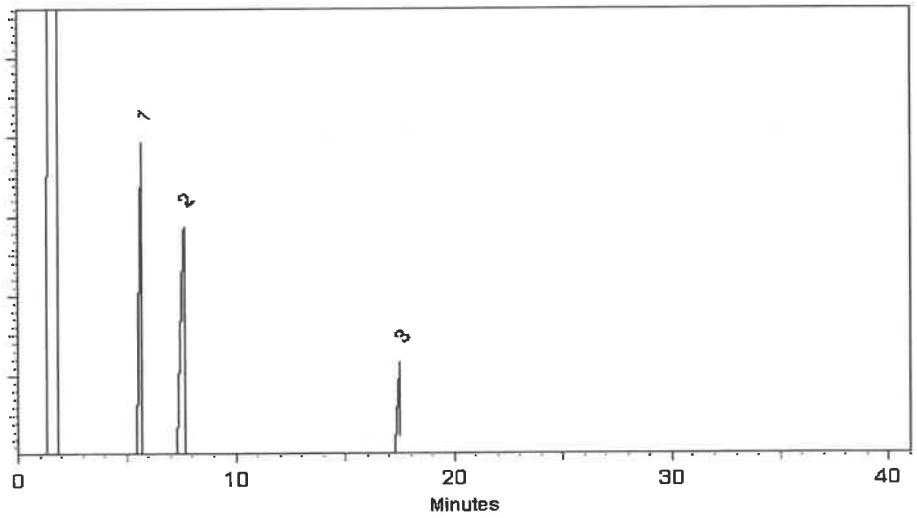
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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.)

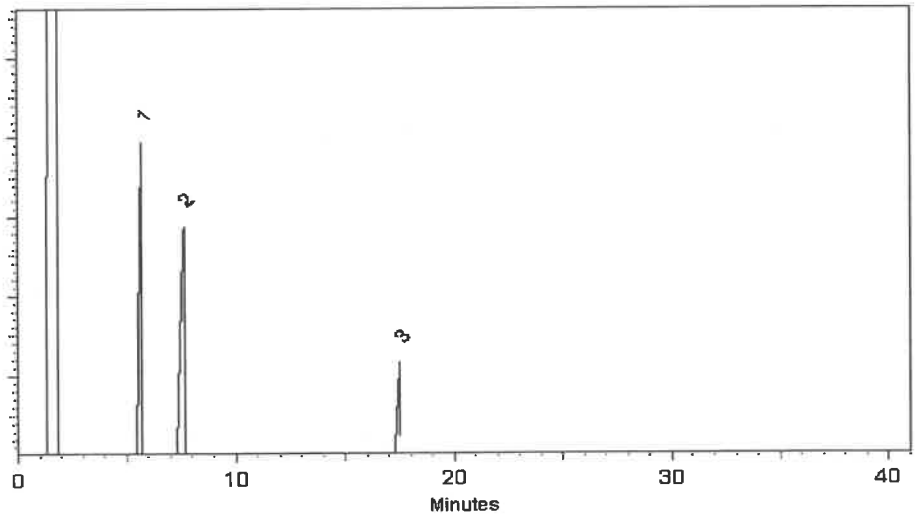
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Certificate of Analysis

chromatographic plus

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

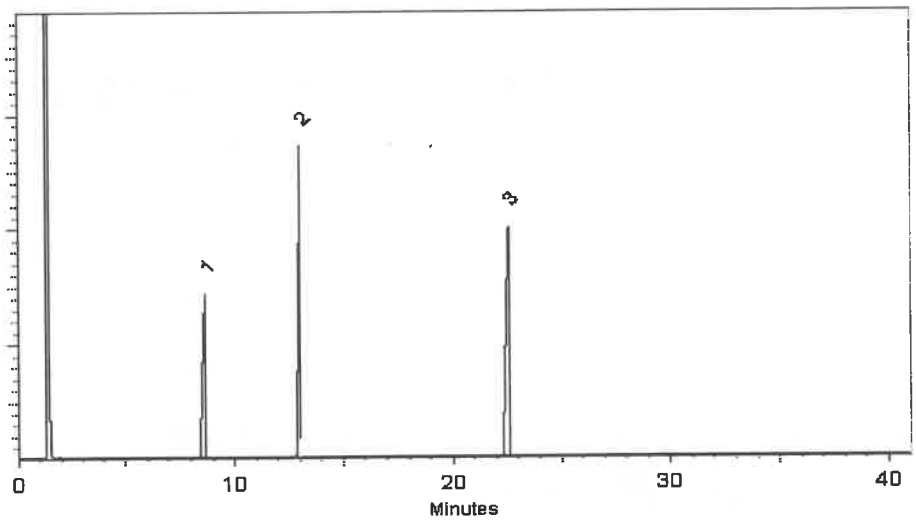
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

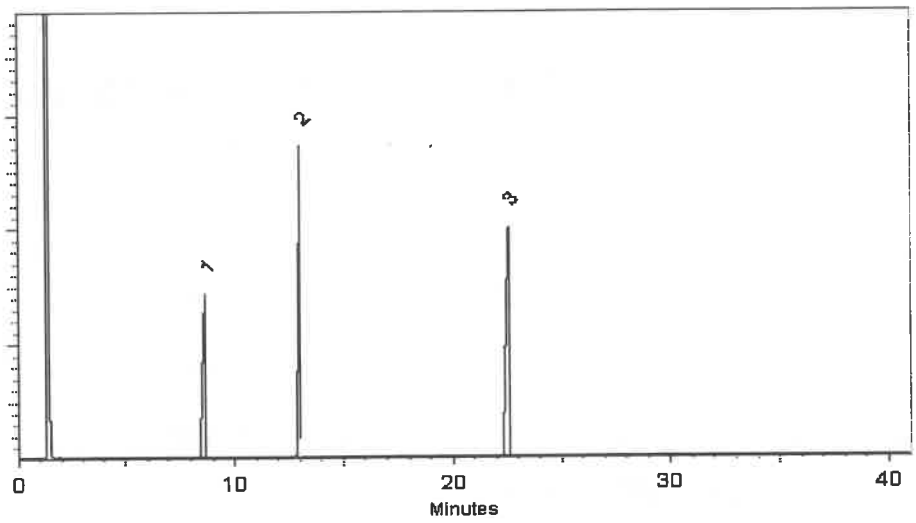
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

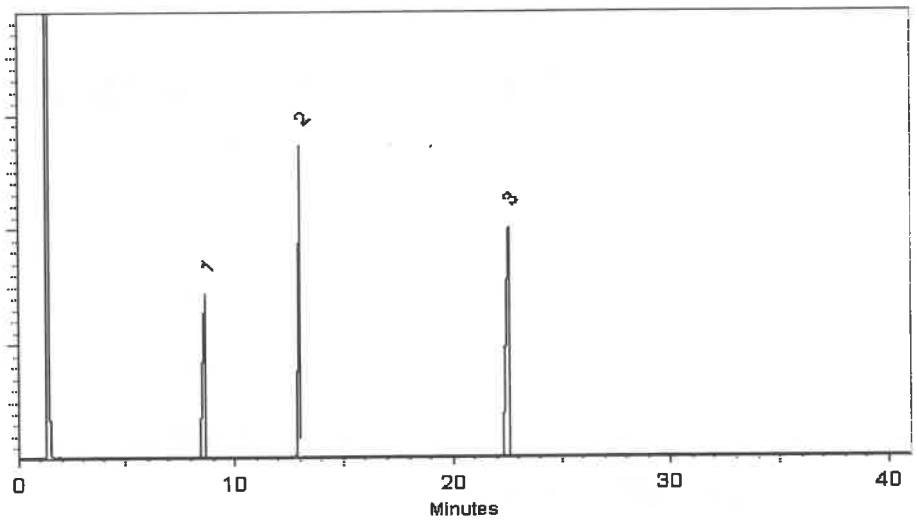
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

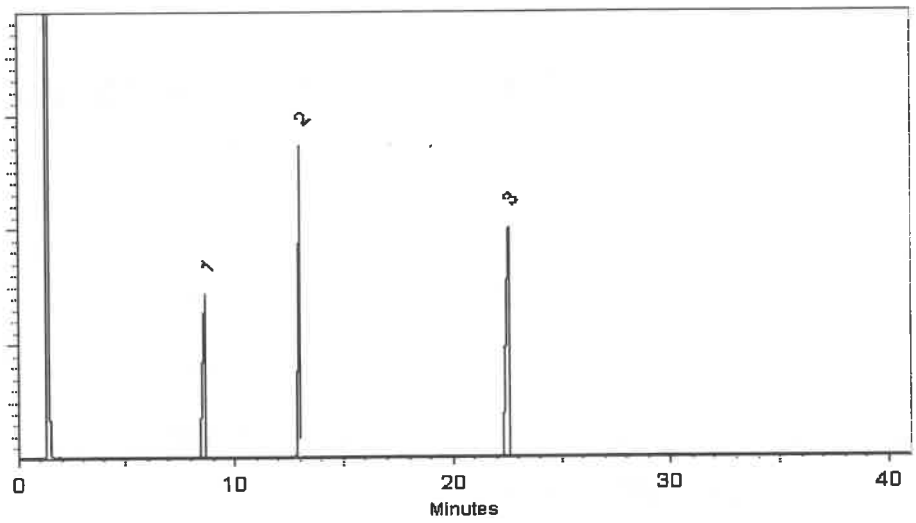
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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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:
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Det. Type:
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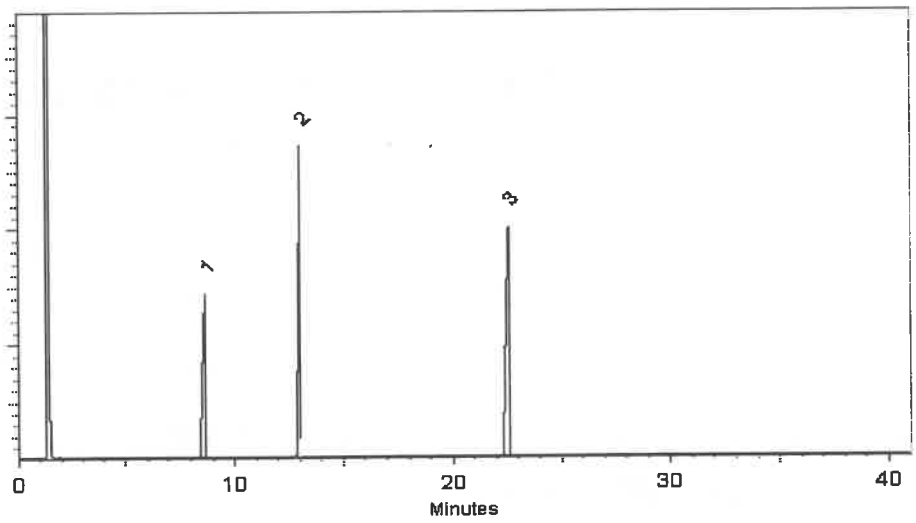
Split Vent:
2 ml/min.

Inj. Vol
1µl



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S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

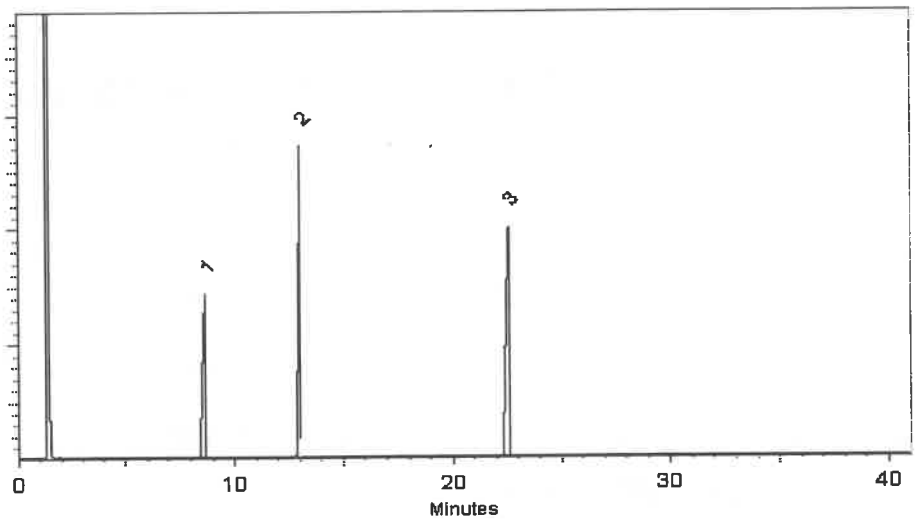
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

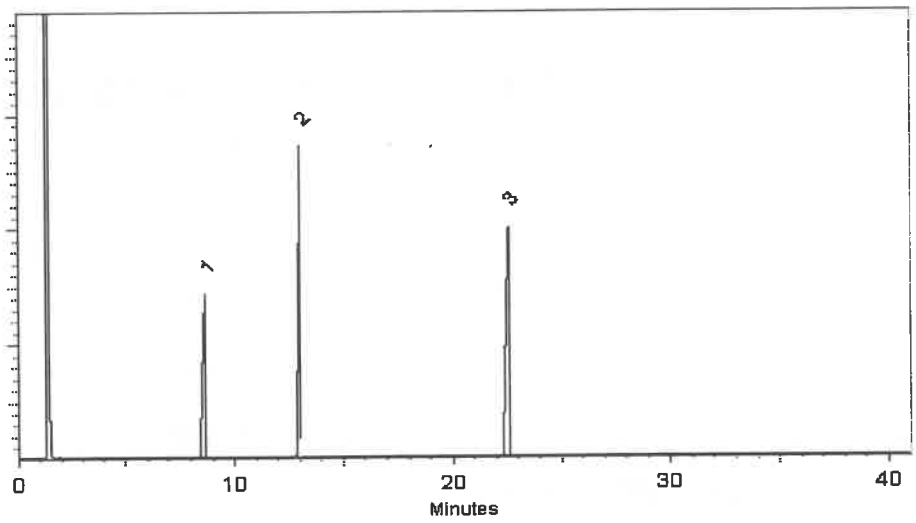
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Quality Confirmation Test

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30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

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@ 10°C/min. (hold 10 min.)

Inj. Temp:
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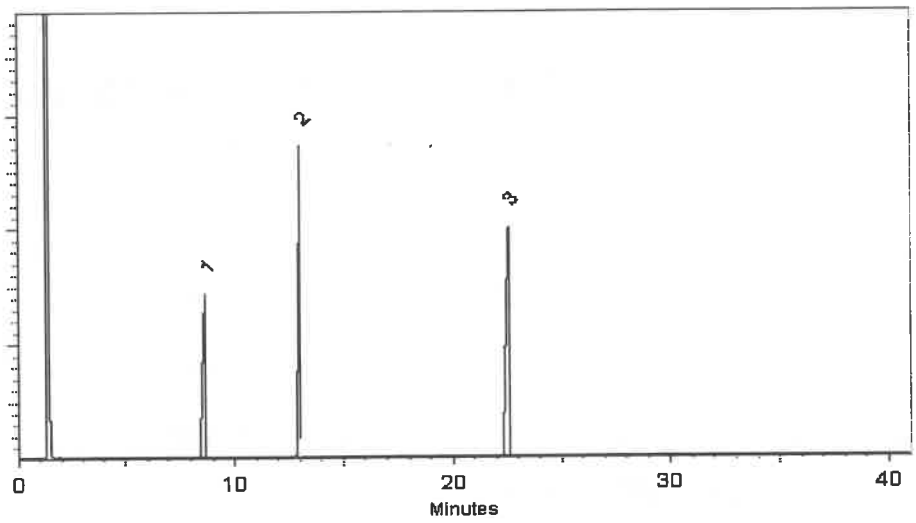
Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
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CAS # 75-09-2
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Det. Type:
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Split Vent:
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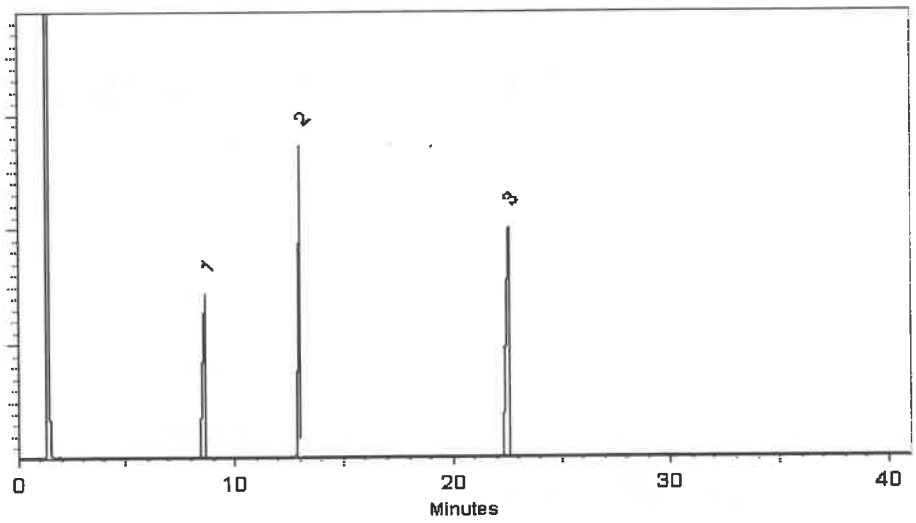
Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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(707)545-7901 Fax

Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

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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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

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RESTEK
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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

chromatographic plus

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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.)

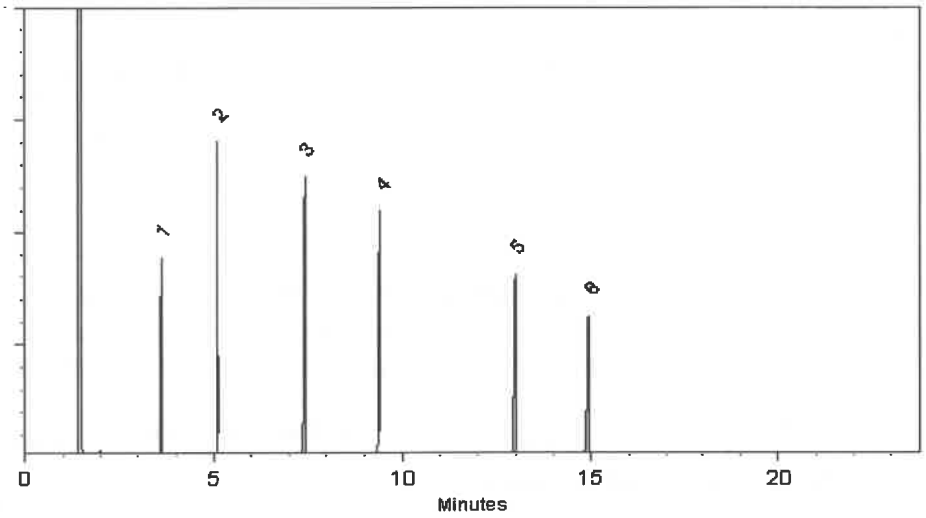
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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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

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.
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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:

- 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:

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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.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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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.

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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- 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
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
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Certificate #3222.01

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Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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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

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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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

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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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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

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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

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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

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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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

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.)

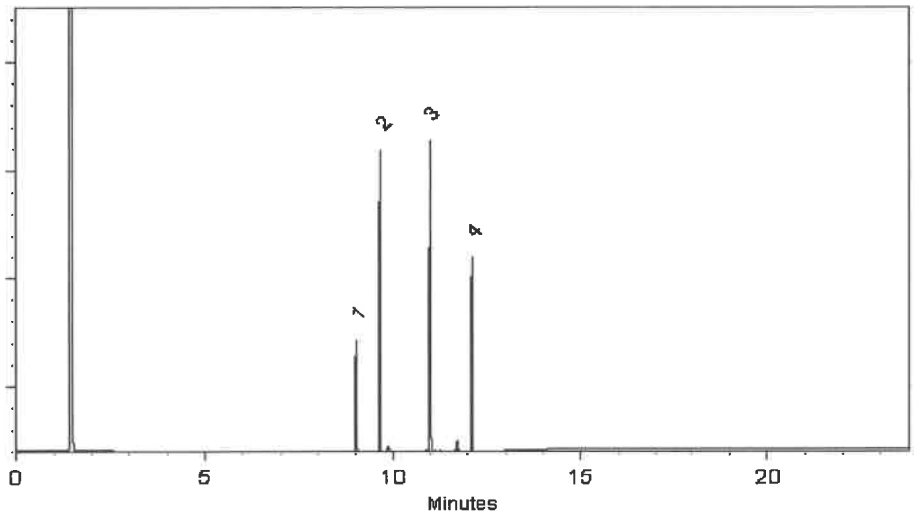
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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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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chromatographic plus

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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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.

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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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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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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. Q1675
COC Number 2045870

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE Lane
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: GL
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STOCKTON
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail: gary@g-environmentalcom
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH): 5x EPH-3 days DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT: ☐ Other
☒ EDD FORMAT: mobile edd

ANALYSIS

1: Soil VOC + SPLP
2
3. EPH Cat 1 (contingent 2-methylnaphthalene + naphthalene SPLP)
4
5
6
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	P1	Soil		X	3/27/25	0854		X		X							
2.	P2					0856				X							
3.	P3					0900				X							
4.	P4					0915				X							
5.	P5				3/27/25	0930		X		X							
6.	P6					0935				X							
7.	T1					1143		X									
8.	T2					1155		X									
9.	T3					1205		X									
	T4	Soil		X	3/27/25	1210		X									

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 3/28/25 1100	RECEIVED BY: 1.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
Comments: EPH Cat 1 (contingent SPLP 2methylnaphthalene naphthalene 2methylnaphthalene/naphthalene) with 3 DAY TAT

Page ____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

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ALLIANCE PROJECT NO.
QUOTE NO. Q1675
COC Number 2045869

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stockton
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: G
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) EPH 3 day TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: Standard 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)
- X NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- X EDD FORMAT haz-site, excel pdf

ANALYSIS

1: TCL VOCs TICs
2:
3: EPH C9-C44
4:
5:
6: List Inorg
7: 2-methylnaph
8: Naphthalene
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
1.	T5	SOIL		X	3/27/25	1215		X								
2.	T6					1216		X								
3.	D1	SOIL				1221	1			X						
4.	D2					1228	1			X						
5.	D3					1230	1			X						
6.	D4					1245	1			X						
7.	D5	SOIL		X	3/27/25	1252	1			X						
8.																
9.																
10.																

Cool to 4°C (with ice) 2 Methylnaphthalene

PRESERVATIVES
COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/28/25 1100	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.6 °C
Comments: EPH 3 day TAT

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Alliance TECHNICAL GROUP

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ALLIANCE PROJECT NO. Q1673
QUOTE NO.
COC Number 2045978 3 of 3

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stockton
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS:
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): EPH 3 day STANDARD DAYS*
EDD: Standard 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
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ US EPA CLP
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

EPH Cat B continue PH-1

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.	K1 P	Soil	X	X	3/28/25		1	X									
2.	K1	Soil		X			1	X									
3.	K2	Soil		X			2	X									
4.	K3	Soil		X	3/28/25	K3	2	X									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/28/25 1100	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8°C °C
Comments: EPH Cat B continue PH-1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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Org e Chem

From: Gary Landis <gary@g-environmental.com>
Sent: Friday, March 28, 2025 12:39 PM
To: Yazmeen Gomez
Subject: Re: P-4 and P-6

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Yes analyze for VOC and EPH. And there is no P4

Get Outlook for iOS

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, March 28, 2025 12:20 PM
To: Gary Landis <gary@g-environmental.com>
Subject: P-4 and P-6

Gary,

For the attached – we received VOC for P-6 but its not checked off on the COC – did you want us to analyze this for VOC?

Also, we didn't receive anything for sample P-4.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

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